MEMORANDUM OF AGREEMENT
AMONG THE NATIONAL CEMETERY ADMINISTRATION OF THE U.S. DEPARTMENT OF VETERANS AFFAIRS, THE TONAWANDA SENECA NATION, THE NEW YORK STATE HISTORIC PRESERVATION OFFICE, AND THE ESTATE OF LEROY VEENENDAAL, REGARDING ESTABLISHMENT OF A NEW NATIONAL CEMETERY AT AN APPROXIMATELY 132-ACRE SITE LOCATED AT 1232 INDIAN FALLS ROAD, GENESEE COUNTY, NY (SHPO Project Review No.12PR2608)

WHEREAS, in accordance with the Service Members Civil Relief Act, also known as the Veteran's Benefit Act of 2010, Public Law 111-275, Sec. 503, *Reports on Selection of New National Cemeteries* (Title 38, United States Code 2400), the National Cemetery Administration of the Department of Veterans Affairs (NCA) was directed to establish five new National Cemeteries, including a cemetery in western New York; and

WHEREAS, the proposed undertaking is described to be the acquisition, development and operation of a National Cemetery; and

WHEREAS, pursuant to authority granted by Title 38, United States Code, Section 2406, NCA proposes to purchase an approximately 132-acre parcel of land ("property") (Attachment 1) from the Estate of Leroy Veenendaal ("Landowner") for the purpose of establishing the new National Cemetery; and

WHEREAS, NCA has determined the area of potential effect (APE) to be the 132-acre parcel, the same as the purchase area; and

WHEREAS, NCA has determined there are archeological sites within the APE that may be eligible for the National Register of Historic Places under Criterion E (historic properties), and the likely presence of cultural artifacts may qualify the site as a Traditional Cultural Property; and

WHEREAS, NCA is in the process of implementing the Data Recovery Plan (DRP) (Attachment 2), as accepted by the New York State Preservation Office (SHPO) on October 30, 2013,resulting in recovered artifacts and records; and

WHEREAS, NCA has acknowledged the proposed undertaking will result in an adverse effect to the historic properties within the APE; and

WHEREAS, NCA has consulted with the SHPO and The Seneca Nation of Indians of New York (SNI) and the Tonawanda Seneca Nation (TSN) in accordance with Section 106 of the National Historic Preservation Act, 16 U.S.C. § 470 (NHPA), and its implementing regulations, 36 CFR Part 800.6(b)(1)), as well as Executive Order 13175; and

WHEREAS, pursuant to 36 CFR 800.6(a)(1), NCA notified the Advisory Council on Historic Preservation (ACHP) of the adverse effect finding, and the Council declined to participate in consultation; and

WHEREAS, pursuant to 36 CFR 800.6(c)(3), NCA has invited TSN to sign this Memorandum of Agreement (MOA) and SNI to concur; and

WHEREAS, all parties recognize that time is of the essence, and in order to allow for execution of the MOA prior to March 1, 2014, all parties will work in good faith to complete responsibilities under this agreement, where possible, in a timely manner and expedite reviews as is feasible;

NOW, THEREFORE, all parties agree that upon NCA's decision to proceed with the Undertaking, NCA shall ensure that the following stipulations are implemented in order to mitigate the adverse effects of the Undertaking on historic properties, and that these stipulations shall govern the Undertaking and all of its parts until this MOA is terminated. This MOA applies to the initial development of the property identified as Early Turnover and Phase 1.

1) Definitions.

a) "Items of cultural value to the Nation" is defined as here as all aspects of the human environment that have historical, architectural, archaeological, or cultural significance, including, but not limited to, historic properties, archaeological resources and data, Native American ancestral remains and cultural items, religious places and practices, historical objects and artifacts, historical documents, and community identity.

2) Stipulations.

a) Stipulations of NCA.

i. All of the following stipulations within Section 1, Part a, are contingent upon acquisition of the property, which remains at the sole and absolute discretion of NCA.

ii. NCA shall ensure that funds in the amount of $5,000.00 will be available to TSN for two years following closing on the property in order to fund community education activities associated with the artifacts removed from the site.

iii. NCA shall ensure delivery of the recovered artifacts and associated records to the TSN within two years following closing on the property.

iv. Nothing in this agreement shall be construed to diminish NCA's responsibilities to TSN under Federal law.

v. NCA shall comply with Attachment 5 in the event human remains or artifacts that are or may be Haudenosaunee Medicine Masks, or Sacred Objects, or items of cultural value to the Nation are discovered during design, construction, or operation.

vi. NCA agrees to accept an onsite cultural monitor designated by TSN as necessary to ensure that proper protocols are followed during the construction phase of the undertaking during specific times when excavation or earthwork ground disturbance construction activities of a depth in excess of 36" are occurring. The 36" depth is based on cryoturbation and areas that have been mechanically excavated during Phase III Archeological Evaluations, and agricultural use.

vii. NCA agrees to pay such a monitor, subject to the availability of appropriated funds, at the prevailing rates applicable to similar monitoring activities under the NHPA. The cost to NCA shall not exceed $26,000.00. NCA agrees to follow reasonable recommendations of the cultural monitor with regard the steps necessary to protect the integrity and condition of Indian artifacts that may be discovered during the construction of the undertaking.

viii. All other construction activities (including shallow excavation or earthwork ground disturbance construction activities of depth less than 36"), would not require a cultural monitor except if an inadvertent discovery of cultural resources were to occur. In the event of an inadvertent discovery of human remains or artifacts that are or may be Haudenosaunee Medicine Masks, Sacred Objects, or Items of cultural value to the Nation during such construction, NCA shall comply with Attachment 5. NCA will immediately stop work in the area of the discovery and, within 36 hours, contact TSN to determine appropriate next steps. NCA could continue work in other areas of the property so long as there is no direct interference with the site identified. If TSN so requests in writing, NCA will cease all activities on the property, in order to facilitate the performance of any ceremonies regarding the discovery.

ix. If TSN incurs travel costs to facilitate the participation of Haudenosaunee leaders in ceremonies to remediate any disturbance to such human remains or artifacts, NCA shall be responsible for such reasonable travel costs, not to exceed $2,000.00.

x. NCA will develop an excavation or earthwork ground disturbance construction monitoring schedule that will be updated approximately every 6 weeks and provided to TSN to identify availability. If TSN has expressly agreed that for a particular phase of the undertaking, a cultural monitor is not necessary or not available, NCA may proceed without a monitor.

xi. Following completion of the construction, during normal operations of the cemetery there is minimal undisturbed ground being excavated due to the pre-placement of crypts during initial construction. In the event of an inadvertent discovery of human remains or artifacts that are or may be Haudenosaunee Medicine Masks, or Sacred Objects during operation of the cemetery, NCA shall comply with Attachment 5. In the event of an inadvertent discovery of a cultural resource that is not subject to Attachment 5 during normal cemetery operations, NCA will contact TSN, the Seneca Nation of Indians, and the New York State Historic Preservation to determine appropriate next steps

b) Stipulations of SHPO.

i. SHPO agrees to work in good faith to provide expedited review, and concurrence or comments, on NCA submissions.

ii. SHPO agrees to respect the procedures and policies set forth in Attachment 5 and the Haudenosaunee Policies and Practices on Human Remains and Cultural Properties.

c) Stipulations of TSN.

i. TSN agrees to enter into a curation agreement (Attachment 3), under which it will agree to hold all right, title, ownership, claim, and responsibility for the curated artifacts.

ii. TSN agrees to serve as a repository of the artifact collection and associated documentation resulting from the archaeological study (OPRHP No. 12PR2608) at no cost to NCA.

iii. TSN agrees that, upon written request and subject to TSN staff and facility availability, the collection will be made available to qualified professional researchers on a temporary basis for non-destructive forms of analysis, as determined by TSN in its sole discretion.

iv. TSN will provide for the professional care and management of the artifacts and associated documentation deposited under this agreement in accordance with its laws and customs. The conveyance of the artifact collection and documentation is a donation by the landowner. In the event TSN determines it no longer wishes to hold and maintain the collection, TSN will allow the Seneca Nation of Indians of New York or another Haudenosaunee Nation the right of first refusal. In the event that neither the Seneca Nation of Indians of New York nor another Haudenosaunee Nation agrees to maintain the collection, TSN will work with SHPO to identify a suitable entity to maintain the collection.

v. TSN agrees that the artifact collection will not be loaned to any person without a written agreement specifying the conditions of the loan

vi. TSN agrees to make available a monitor based on the construction monitoring plan. If an onsite monitor is not available TSN will make available a monitor via an on-call scenario via email or phone.

vii. TSN agrees that if an onsite or on call monitor is not available, or if NCA receives no response regarding an inadvertent discovery within 72 hours of completion of the notice protocol by NCA per the terms of Attachment 5, NCA will be allowed to continue work. NCA will take all necessary actions to ensure that the area is protected and that no cultural resources are negatively affected.

viii. 8. Insurance. TSN shall obtain at their own cost and expense, and keep in full force and effect, during the term of their access upon the Property, a comprehensive general liability insurance policy in an amount not less than One Million Dollars ($1,000,000.00) combined single limit for bodily injury, death and property damage arising out of any one occurrence. The policy or policies required hereunder shall be issued by insurance companies qualified to do business in the state and such policy or policies shall provide at least twenty (20) days' notice to NCA before cancellation or

material modification. TSN shall provide NCA certificates of such insurance evidencing the coverage in force as of the commencement date of the on-site monitoring, as well as any replacement certificates issued during the Term of this MOA.

d) Stipulations of Landowner.

i. Landowner shall allow for site work to continue per the terms of the Site Access Agreement (Attachment 4) between Landowner and VA, until site work is complete or title transfers to VA (whichever occurs sooner);

ii. Landowner will execute the attached curation agreement, and thereby relinquishes all right, ownership, future ownership or claim to all artifacts discovered on or under the site.

3) Dispute Resolution.

a) Should any party to this agreement object in writing to NCA regarding any action carried out or proposed with respect to the Undertaking or implementation of this agreement, NCA shall consult with the objecting party to resolve the objection. If after initiating such consultation NCA and the objecting party together determine that the objection cannot be resolved through consultation, NCA shall forward all documentation relevant to the objection to the ACHP, including NCA's proposed response to the objection. Within 30 days after receipt of all pertinent documentation, ACHP shall exercise one of the following options:

i) Advise NCA that ACHP concurs in NCA's proposed response to the objection, whereupon NCA will respond to the objection accordingly;

ii) Provide NCA with recommendations, which NCA shall take into account in reaching a final decision regarding its response to the objection; or

iii) Notify NCA that the objection will be referred for comment pursuant to 36 CFR 800.7(a)(4), and proceed to refer the objection and comment. NCA shall take the resulting comment into account in accordance with 36 CFR 800.7(c)(4) and Section 110(l) of NHPA.

b) Should ACHP not respond within 60 days after receipt of all pertinent documentation, VA may assume ACHP concurrence in its proposed response to the objection.

c) NCA shall take into account any Council recommendation or comment provided in accordance with this stipulation with reference only to the subject of the objection; NCA's responsibility to carry out all actions under this agreement that are not the subjects of the objection shall remain unchanged.

d) At any time during implementation of the measures stipulated in this agreement, should an objection pertaining to this agreement or the effect of the undertaking on historic properties be raised by a member of the public, NCA shall notify the parties to this

agreement and take the objection into account, consulting with the objector and, where appropriate, with any of the parties to this agreement to resolve the objection.

e) In the event of a conflict between the Data Recovery Plan and this MOA, the terms and conditions of this MOA shall govern.

4) Execution, Modification and Termination.

a) If NCA determines it is not in the Federal Government's best interest to acquire the property, or if the terms of this agreement have not been implemented by December 31, 2015, this agreement shall be considered null and void. In either such event NCA shall immediately notify in writing the parties to this agreement, and if it chooses to continue with the undertaking, shall re-initiate review of the undertaking in accordance with 36 CFR Part 800.

b) This MOA constitutes the entire agreement between the parties hereto and may not be modified or amended except by instrument in writing signed by the parties hereto, and no provisions or conditions may be waived other than by a writing signed by the party waiving such provision or condition.

c) This MOA may be executed in any number of counterparts and any party hereto may execute any such counterpart, each of which when executed and delivered shall be deemed to be an original and all of which counterparts taken together shall constitute but one and the same instrument. This agreement shall become binding when all counterparts taken together shall have been executed and delivered by all of the parties. The parties hereto agree that facsimile transmission, or e-mail transmission of a scanned original signature shall constitute and be accepted as an original signatures.

d) Any party to this MOA may propose to NCA that the MOA be amended, whereupon NCA shall consult with the other parties to this agreement to consider such an amendment. 36 CFR 800.6(c)(1) shall govern the execution of any such amendment.

e) If NCA determines that it cannot implement the terms of this MOA, or if another party to this MOA determines that it cannot implement the terms of this MOA or that the MOA is not being properly implemented, such party may propose to the other parties to this MOA that it be terminated.

f) The party proposing to terminate this MOA shall so notify all parties to this MOA, explaining the reasons for termination and affording them at least 30 days to consult and seek alternatives to termination. The parties shall then consult.

g) Should such consultation fail, NCA or any other signatory to this MOA may terminate the MOA by so notifying in writing all parties.

h) Should this MOA be terminated, NCA shall either:

i. Consult in accordance with 36 CFR 800.6 to develop a new agreement; or

ii. Request the comments of the Council pursuant to 36 CFR 800.7.

6) **Scope and Related Agreements.**

I. Nothing within this MOA alters the rights or responsibilities of the parties to the Offer to Sell contract, entered into by U.S. Department of Veterans Affairs and landowner on September 11, 2012, and as amended on June 26, 2013, or the attached curation agreement, between TSN and the landowner.

II. Nothing within this MOA shall be construed to provide NCA with any right, ownership, future ownership, claim, or responsibility for the artifacts or documentation related thereto.

1. Nothing in this MOA shall be construed to diminish TSN's sovereignty. Nothing herein shall be construed to waive TSN's sovereign immunity under Federal law, nor shall it be construed to waive any sovereign immunity extended by Federal law to TSN's Council of Chiefs, Clan Mothers, or employees.

Execution of this MOA and implementation of its terms evidence that NCA has afforded the Council an opportunity to comment on the proposed undertaking; and that NCA has taken into account the adverse effects of the acquisition, development and operation of a National Cemetery in Western New York on historic properties.

Signatories

National Cemetery Administration
U.S. Department of Veterans Affairs

By: _____ Date: 5-29-14

The Tonawanda Seneca Nation

By: _____ Date: 4/29/14

State Historic Preservation Office
State of New York

By: _____ Date: 5/8/14

Estate of Leroy Veeneendaal
1232 Indian Falls, Genesee County, New York

By: _____ Date: 5/8/14

Concurring Parties

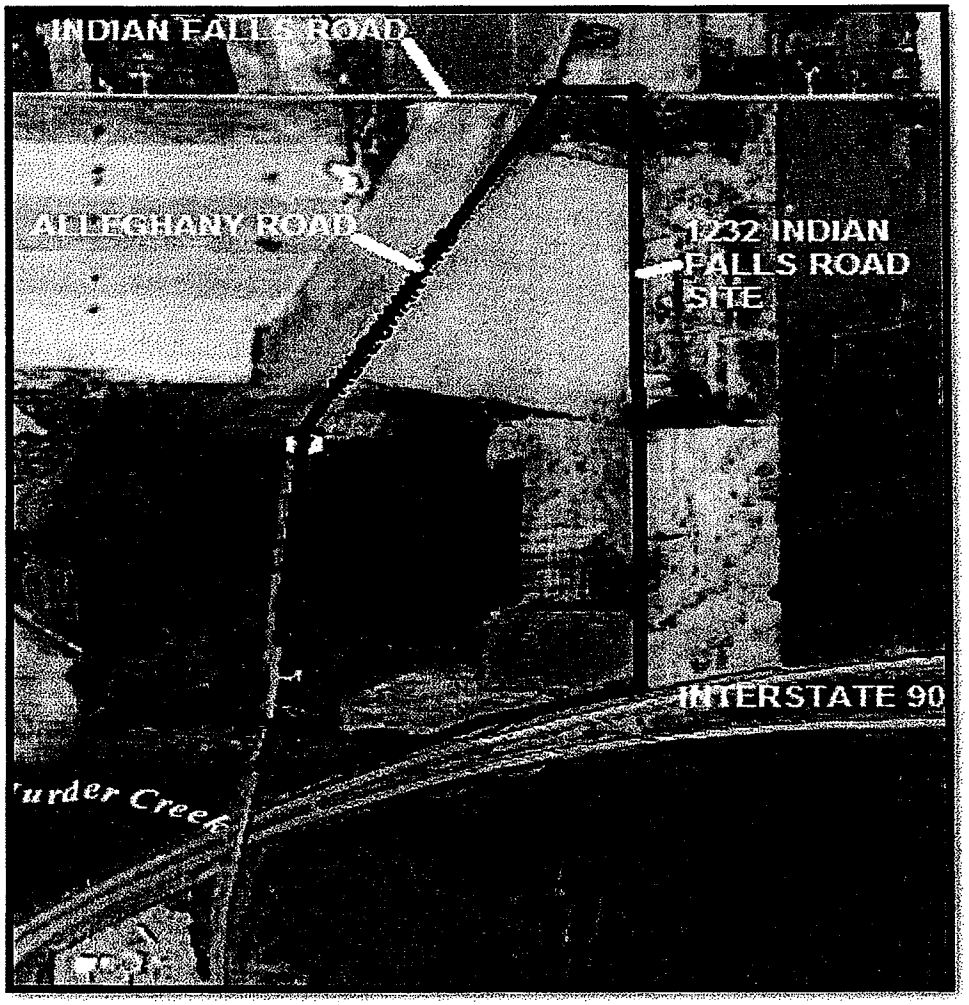
Seneca Nation of Indians of New York

By:_____ Date:_____

Attachments

Attachment 1: Depiction of site
Attachment 2: Phase III Data Recovery Plan
Attachment 3: Curation Agreement
Attachment 4: Access Agreement
Attachment 5: Human Remains and Sacred Objects Discovery Protocol

Attachment A:
Site Depiction of Proposed
Western New York National Cemetery



1232 Indian Falls RD
Pembroke, NY

Phase 3 Data Recovery Plan for the Indian Falls V.A. Precontact Site (A03712.000035) at the Proposed Western New York U.S. Department of Veterans Affairs Cemetery Location in East Pembroke, New York

Including Initial Findings of Phase 2 Investigations and Proposed Phase 3 Methodology

Prepared by Michael L. Kagelmacher, M.A.
Principal Investigator

July 26, 2013

Commonwealth Cultural Resources Group, Inc.
2530 Spring Arbor Road
Jackson, Michigan 49203

1. Introduction

The U.S. Department of Veterans Affairs (VA) is considering the establishment of a cemetery on Allegheny Road in East Pembroke, Pembroke Township, Genesee County, New York. To assist in completing its obligations under Section 106 of the National Historic Preservation Act to identify historic properties, the VA contracted with Commonwealth Cultural Resources Group, Inc. (CCRG). A Phase 1 cultural resource survey revealed the presence of archaeological materials in the tract (Peltier 2012), and the State Historic Preservation Office (SHPO) concurred with CCRG's recommendation that a Phase 2 investigation be undertaken. CCRG's Phase 2 field investigations of the prehistoric cultural deposits at the proposed VA cemetery began on April 15, 2013 and were concluded on June 24, 2013. Michael L Kagelmacher served as Principal Investigator and Field Director. Field technicians included Martin Boratin, Kyle Brock, Tony Bonn, Paul Jensen, Sigmund Antecki, Joe Kline, Vivian Honsinger, Jackie Damon, Dan Whalen and James Wasiura. The project was monitored by Justin Abrams of the Tonawanda Band of Seneca Indians. This report presents the initial findings from the Phase 2 investigations and documents the proposed Phase 3 methodology and Data Recovery Plan (DRP).

The Area of Potential Effect (APE) consists of 130+/- acres east of Allegheny Rd., between the I-90 and Indian Falls Rd. It had previously (Phase 1 investigations, Fall of 2012) been found to contain several prehistoric lithic scatters of varying spatial extent, most of which were concentrated in Area F, a large agricultural field that had been planted with soybeans and, more recently, winter wheat (Figure 1). One of the largest clusters of artifacts, covering approximately 2 acres and located in the northeast corner of Area F, was found during Phase 1 investigations to include projectile points of Genesee (Late Archaic period) and Meadowood (Early Woodland period) types (Ritchie 1971). A total of 593 prehistoric artifacts were recovered during Phase 1 investigations, including projectile points, bifaces/fragments, and chert debitage.

Several other large clusters (approximately 1-5 acres in extent) of artifacts were apparent in Area F from the results of Phase 1 investigations, the largest being in the southeast corner of the field. Other large clusters were noted in the southwest and central portions of the field, as were numerous scattered finds of a more isolated nature within the field.

Eighteen additional prehistoric find spots were located elsewhere within the APE (i.e. outside Area F, the wheat field), in Areas A, B, D, E and G, and consisted mostly of 1-3 chert flakes each. Based on the Phase 1 results, CCRG recommended that Phase 2 investigations be undertaken. The SHPO concurred with that recommendation.

2. Initial Findings of Phase 2 Investigations

CCRG's Phase 2 field investigations consisted largely of close-interval (20ft) and radial shovel testing around previous Phase 1 prehistoric find spots, in order to determine the spatial extent, distribution, and relative artifact density of prehistoric sites within the APE. The majority of Phase 2 field time was spent shovel testing in close-interval grids around Phase 1 find spots in Area F. Radial shovel tests were also placed around 15 find spots south of Area F (in areas A, B, D and E) and 3 find spots north of Area F (in Area G and in the vicinity of the former farmhouse). Aside from Area F, all previous prehistoric finds in

Areas A, B, D, E and G appear to be small single-use lithic scatters of short temporal duration and minimal spatial extent, generally featuring relatively lesser-quality and earlier stage reduction flakes.

At the beginning of Phase 2 investigations, 5 foot metal u-posts were placed at 300 foot intervals across Area F, to define investigation Blocks A-P. Using 300-foot tape measures, a 20 foot close-interval grid could thus quickly be established anywhere in the field. In blocks A, D, E, and P, all or nearly all possible shovel tests were excavated, to define the boundaries of the largest clusters. Partial grids were placed over several other blocks in a similar fashion, with boundaries generally defined by the presence of double negative shovel tests around the outskirts of a cluster of positive shovel tests.

Several of the stray lithic finds in the northern portion of Area F were initially subjected to radial testing to determine the presence or absence of additional cultural material. When many of these tests were found positive, it was decided that radial testing elsewhere would be abandoned in favor of placing close-interval grids around all of the stray finds in Area F. In general, as positive Phase 1 shovel tests were relocated among the growing wheat, each was initially encompassed by a 5x5 grid of 20ft close-interval shovel tests. As with the larger clusters, these smaller grids were generally terminated as double negative shovel tests were achieved. In several cases, this resulted in the discovery of additional artifact clusters up to 100 feet across (Figures 2 and 3).

When Phase 2 investigations began, the wheat crop was approximately 1-2 inches in height. After the seeding of the field and subsequent winter melt, numerous artifacts were apparent on the surface at the beginning of Phase 2 field investigations, particularly in the vicinity of the largest clusters of positive Phase 1 shovel tests. Of the approximately 6,000 total artifacts recovered during Phase 2 investigations, approximately 25 percent were surface finds, which were recorded separately in relation to the nearest shovel tests. The Phase 2 surface finds included numerous bifaces and biface fragments, a formal count of which will be available at the conclusion of the debitage and tool analysis. As the wheat crop grew, surface visibility gradually diminished, especially as close-interval grids were being placed around the more isolated finds in Area F.

Though a formal analysis of the chert tools and debitage has not yet been undertaken, rough counts indicate approximately 6,000 artifacts were recovered during Phase 2 investigations. These include numerous bifaces and biface fragments, as well as several projectile points or point fragments. Most notably, a Meadowood Point and a Genesee-like point fragment, similar to those found during Phase 1 in what would become Block A, were recovered on the surface in Blocks E and D, respectively. A drill fragment was also recovered in Block E, and what appears to be an unfinished Late Woodland triangular point was recovered from Block J.

Based on the initial results of the Phase 2 investigations, NYSHPO has recommended a Phase 3 Data Recovery at the Indian Falls V.A. Precontact Site (A03712.000035).

3. Phase 3 Data Recovery Research Questions

A Phase 3 Data Recovery at the Indian Falls V.A. Precontact Site (A03712.000035), including a surface inspection and subsequent mechanical stripping of a portion of the topsoil in Area F to explore for

subsurface features, would be intended to address specific research questions pertaining to site function as well as timing of occupation, and would allow the site to be placed within the broader contextual framework of the Late Archaic and Early- to Late-Woodland settlement patterns of the surrounding area. These questions include the following:

1. What are the boundaries and spatial dimensions of the site(s) or artifact clusters in Area F? (This question has been partly addressed during Phase 2 close-interval shovel testing.)

2. What is the functional relationship (if any) between the various artifact clusters in Area F?

3. What is the temporal relationship between the various artifact clusters in Area F?

4. What environmental factors attracted prehistoric inhabitants to the site over the course of multiple cultural periods and over several thousand years?

5. How do the site and its various artifact clusters fit into the broader cultural/temporal context of known prehistoric sites and settlement patterns in the surrounding area?

The data provided by a Phase 3 surface inspection has the potential to add to our understanding of site boundaries in Area F, which to this point is based largely on the results of Phase 2 close-interval shovel testing. Lithic data produced by a surface inspection may also provide further insight into the function of the various artifact clusters and help to determine whether they represent separate temporal occupations or concurrent and temporally-related activity stations of varying function.

A formal surface inspection, which is typically conducted at the beginning of Phase 2 investigations, also offers a high potential for the recovery of additional temporally diagnostic artifacts, such as projectile points. This may allow a cultural age to be assigned to clusters within which no diagnostic artifacts have yet been found, and it may also allow for the identification of further cultural manifestations (e.g. additional diagnostic projectile point or tool types) not yet identified at the site.

Phase 3 mechanical stripping would provide an opportunity to explore for subsurface features and thus has the potential to further our understanding of the environmental factors that attracted prehistoric inhabitants to the area. These might include proximity to water-based resources, the presence of lithic raw materials, or the presence of seasonal food resources (game, nuts, etc.). As well, subsurface features (such as hearths) may provide datable carbon samples, which could potentially shed light on the temporal relationship between the various clusters and also allow the site to be better understood in a temporal context relating to other known prehistoric sites in the area.

4. Proposed Phase 3 Field Methodology and Schedule

Due to the number and distribution of prehistoric artifacts recovered in Area F during Phase 1 investigations, Phase 2 close-interval testing in this field (which began in April) would normally have been preceded by plowing, disking, and a surface inspection of the field, and followed by the placement of up to 30-40 excavation units (1 x 1meter each). In order to avoid damage to the already-planted wheat

crop in Area F, and to avoid a delay to the project, the VA, CCRG, and the SHPO agreed to postpone a surface inspection until after the close-interval testing and mid-July harvest. Such a surface inspection would further our understanding of the distribution of sites or activity areas within the APE, and would have the potential to produce additional temporally-diagnostic artifacts, such as those found in the northeast corner of the field during Phase 1, in association with other clusters of artifacts.

Many of the more isolated Phase 1 prehistoric finds in the wheat field (Area F) were initially thought to be the result of plow-dragged specimens from the larger clusters. By early June of 2013, close-interval and radial shovel testing in the wheat field had revealed a larger than expected number of separate small clusters of artifacts around several of these more isolated finds.

After consultation with New York State SHPO and the VA, and in order to more adequately define site boundaries within the APE, it was determined in early June that the best course of action would be to forgo placing the planned 1m x 1m excavation units in favor of additional shovel test grids around the more isolated finds in Area F. Excavation units would have provided an opportunity to explore for subsurface features, with the potential for additional diagnostic artifacts as well as the potential for radio-carbon dates, but it was determined that this research potential could be addressed in a less labor-intensive way through mechanical stripping, which along with the postponed surface inspection would then be considered a Phase 3 investigation.

It is recognized that the project has not followed the classic trajectory of discovery, evaluation, and data recovery. Schedule concerns and avoidance of crop damage have forced the VA, CCRG, and the SHPO to modify the normal sequencing of tasks. The Section 106 compliance process is meant to be flexible, to respond to the demands of specific undertakings, and the present project displays that flexibility. The SHPO, VA, and CCRG have agreed that with the completion and reporting of the proposed Phase 3 investigations, the research potential of the site will have been achieved, and that further investigations (barring late discoveries) will not be necessary.

In interpreting lithic-dominated sites partially or completely in plowzone contexts, it is important to collect several key data sets. Certain of these data sources have been addressed during the Phase 2 investigation, and the proposed Phase 3 study will be focused on two tasks: 1) controlled surface collection of Area F, to provide a more comprehensive sample of the plowzone artifacts; and 2) machine-assisted removal of the plowzone from a sample of Area F to determine if cultural features are present, and to excavate such features.

Immediately after the harvest of the wheat crop, and prior to mechanical stripping, CCRG proposes to plow and disk the entire wheat field (Area F, approximately 40 +/- acres). After a weathering period of about 2 weeks, during which the site would be monitored by a field technician to deter looters and artifact collectors, Area F would then be subjected to a surface inspection lasting 5 days. This would afford the potential opportunity to recover additional diagnostic artifacts or tools, and may add to our understanding of the distribution of artifacts and/or sites across the field.

At the conclusion of a Phase 3 surface inspection, an End-of-Field letter (EOF) will be prepared and forwarded to the SHPO and the Nations (the Tonawanda Seneca Nation and the Seneca Nation of

Indians). This EOF will include a map showing the proposed mechanical stripping locations, and will provide an opportunity for additional consultation before a portion of the site is permanently removed through mechanical stripping.

In order to better address questions concerning site function and timing of prehistoric occupations within the APE, CCRG then proposes to mechanically strip the topsoil from an area approximately 1 acre in extent within Area F over a period of 10 days. This is equivalent to approximately half of one of the 300ft x 300ft grid blocks. Stripping would be accomplished by placing 9 "windows", of approximately 50ft x 100ft each, in and around the various concentrations identified during Phase 2 close-interval shovel testing, in order to explore for subsurface features. Two or 3 of these windows may be split into two 50ft x 50ft windows and used to investigate areas in the vicinity of the smaller clusters. Specific locations of the areas to be stripped will be determined based on artifact density (including high and low density areas), location of tools (projectile points, bifaces, etc.), and apparent site boundaries.

A total of 15 days over three weeks (pending weather) would be spent in the field for Phase 3 investigations once the harvest is concluded and the field plowed/disked/weathered. Five days would be spent on surface inspection of Area F (the wheat field), and following the completion and approval of the EOF, nine days would be spent on mechanical stripping of nine windows in Area F (approximately 50ft x 100ft each) to explore for subsurface features, and one day would be left for cleanup and to address any remaining features. A tribal monitor from the Tonawanda Senecas will be on site during plowing, surface inspection, and mechanical stripping.

A Phase 3 Management Summary will be issued within two weeks of completion of the field work. Upon SHPO review and acceptance of the Management Summary, the tract will be cleared for construction activities, with the understanding that a complete Phase 3 report will be issued within one calendar year of completion of the field work.

The Phase 3 study would include laboratory processing and analysis of all artifacts recovered during Phase 2 and 3. If features are encountered, the analysis will include zooarchaeological and ethnobotanical analyses. Up to three samples will be submitted for radiocarbon assay. The reporting and curation preparation will follow the guidelines established by Section 14.09 of the New York State Historic Preservation Act of 1980 and Section 106 of the National Historic Preservation Act of 1966. At the conclusion of reporting, any recovered artifacts will be curated by the Tonawanda Senecas at a permanent artifact repository that is currently in the planning stages.

NYSHPO recommends that the Indian Falls V.A. Precontact Site (A03712.000035) is National Register eligible under Criterion D (information potential) and has concurred with the Phase 3 archaeological testing methodology proposed above.

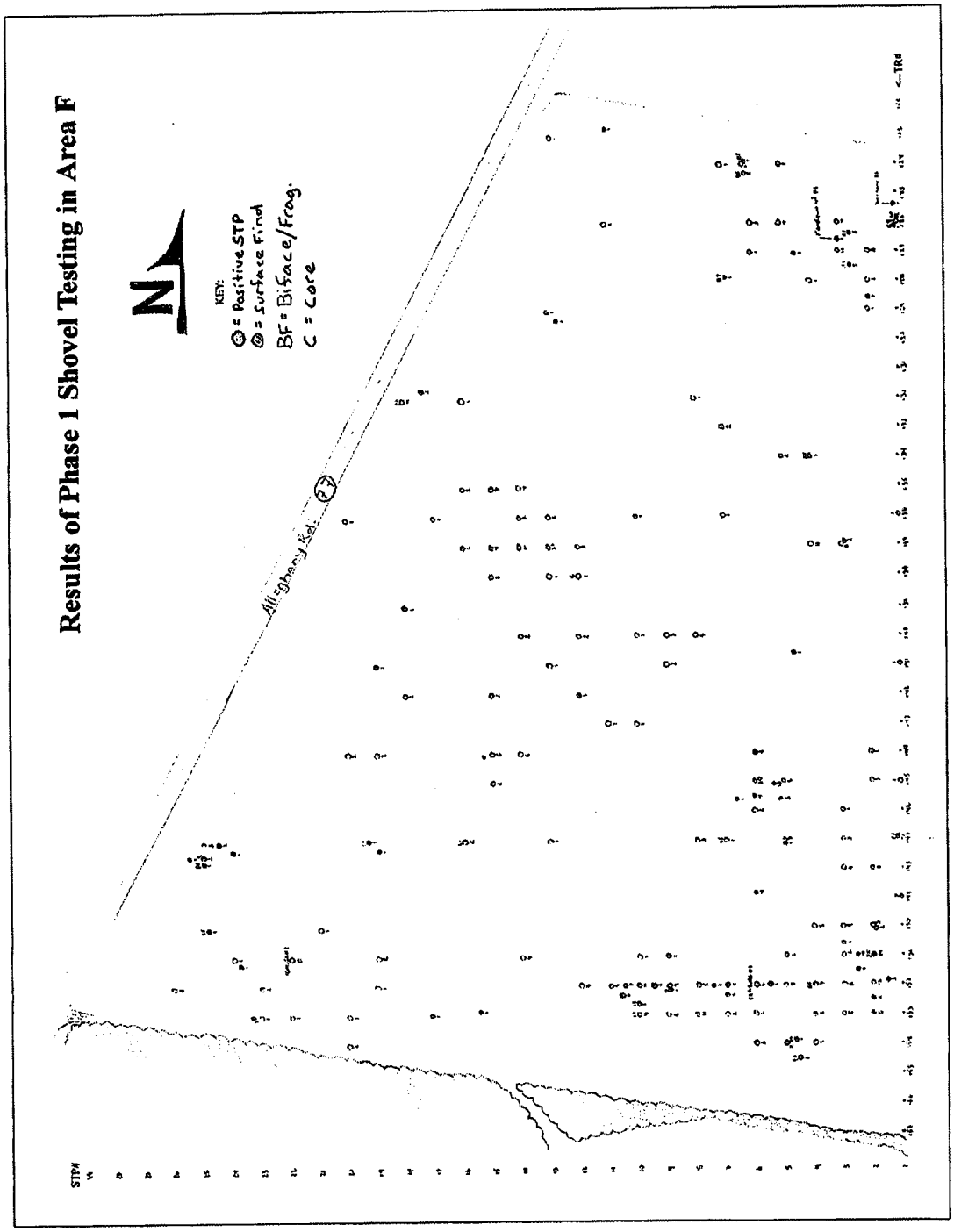


Figure 1. Positive Phase 1 Shovel Tests and Surface Finds in Area F.

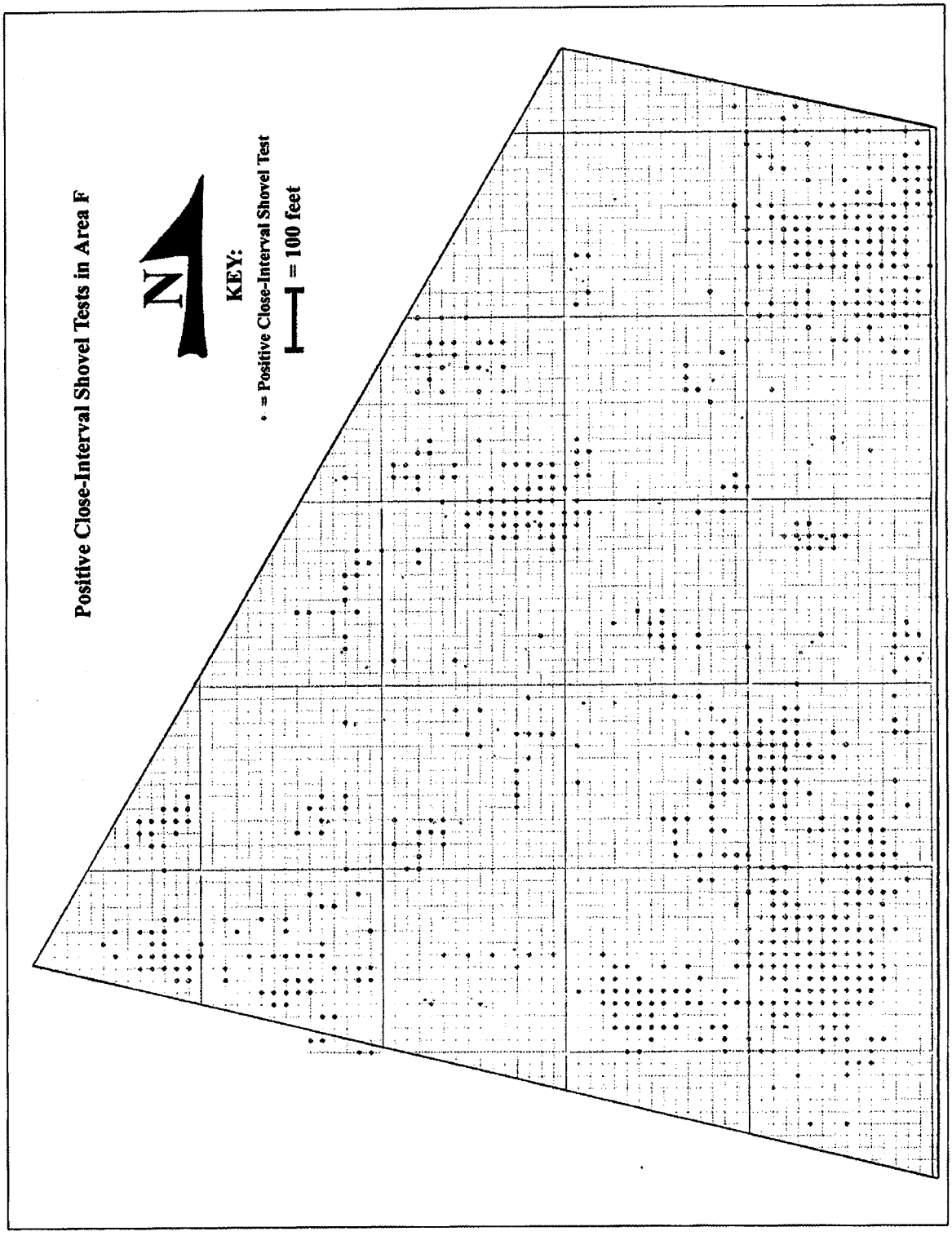


Figure 2. Positive Phase 2 Close-Interval Shovel Tests in Area F.

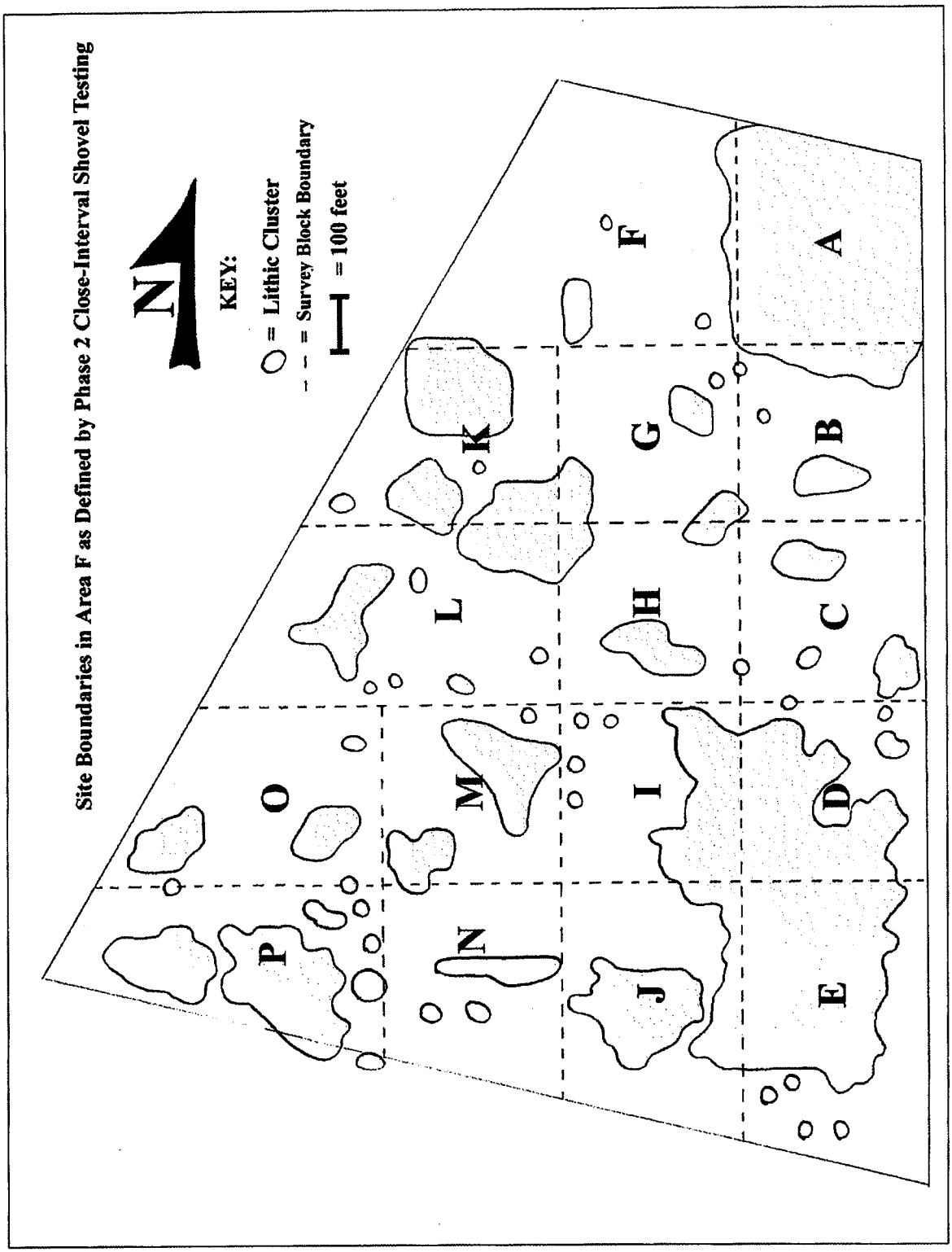


Figure 3. Clusters of Positive Close-Interval Shovel Tests in Area F.

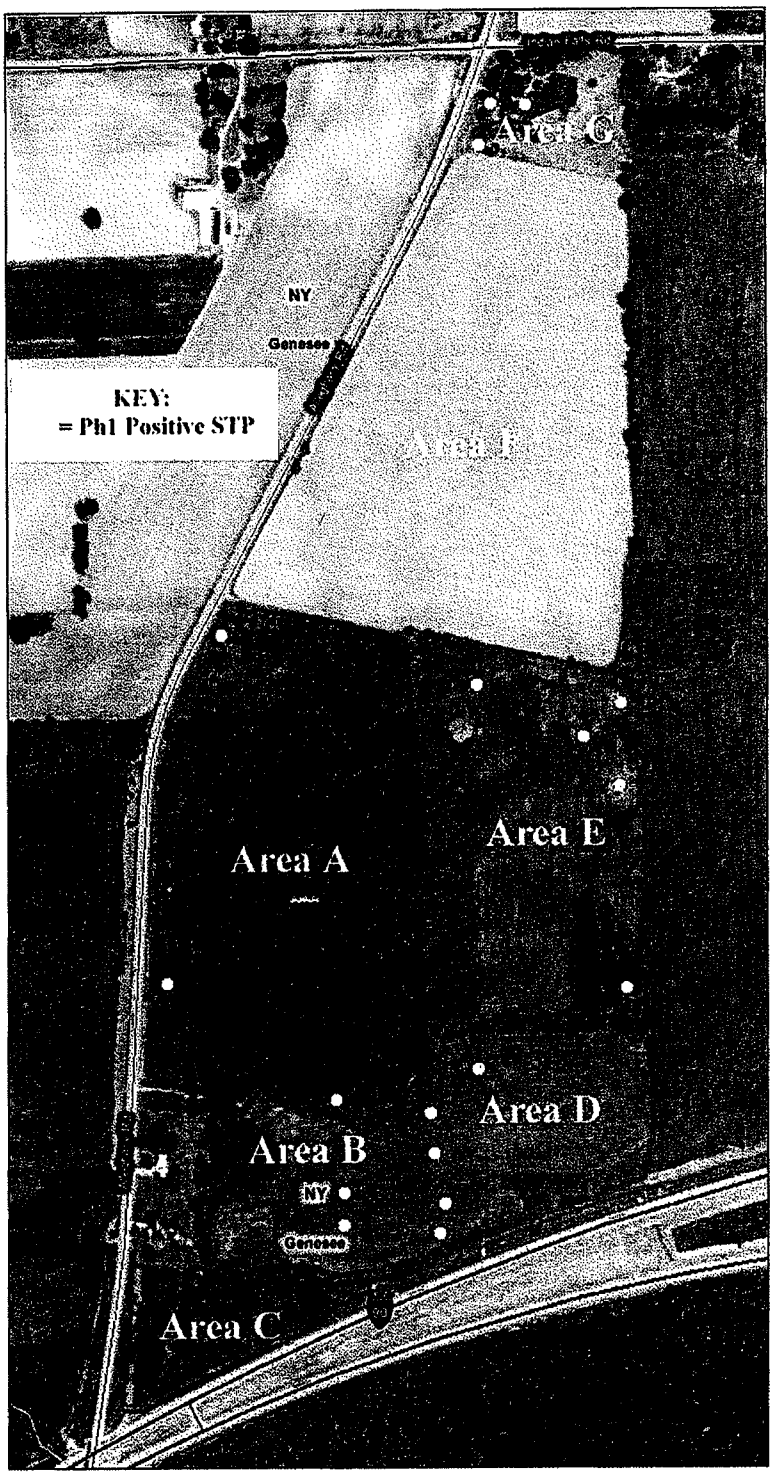


Figure 4. Positive Phase 1 Shovel Tests outside Area F.

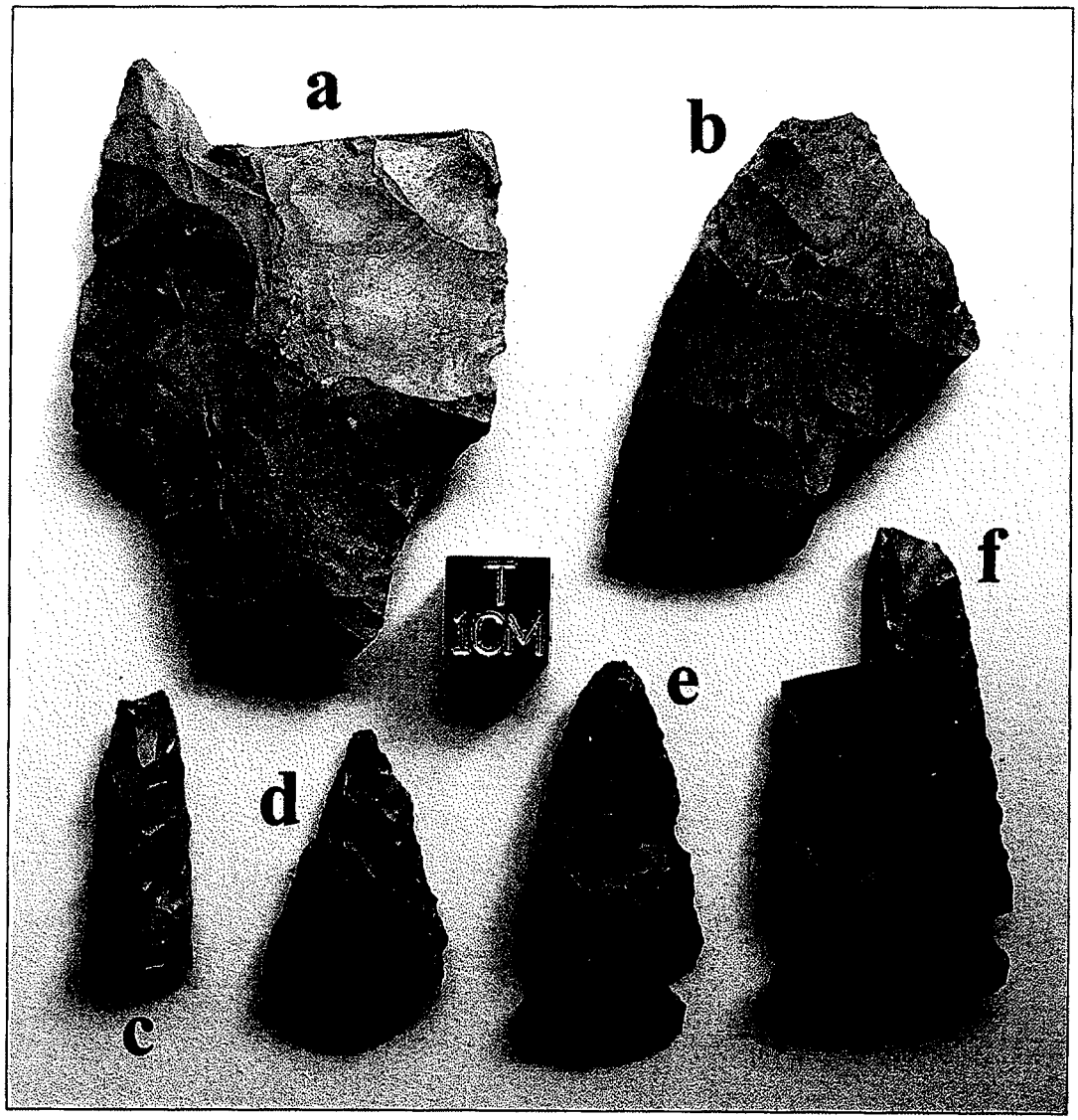


Figure 5. Tools from Phase 1 and Phase 2 investigations.

KEY:

a. Genesee Point fragment – Area A (Phase 1)

b. Genesee-like distal biface fragment – Area D (Phase 2)

c. Drill fragment – Area E (Phase 2)

e. Meadowood Point – Area E (Phase 2)

f. Meadowood Point Fragment – Area A (Phase 1)

COMMONWEALTH
CULTURAL RESOURCES GROUP, INC.

Repository Agreement:

Indian Falls Precontact Loci
Proposed Western New York National Cemetery
1232 Indian Falls Road
Town of Pembroke, Genesee County, New York
OPRHP No. 12PR2608

Issued to: **Council of Chiefs**
Tonawanda Seneca Nation

Effective Date: **March 28, 2013**

The Council of Chiefs, Tonawanda Seneca Nation (TSN) agrees to serve as a repository of the artifact collection and associated documentation resulting from the archaeological study conducted for the Western New York National Cemetery project, located at 1232 Indian Falls Road, Town of Pembroke, Genesee County, New York (OPRHP No. 12PR2608). The TSN will provide for the professional care and management of the artifacts and associated documentation deposited under this agreement. The transfer of the assemblage is considered a donation, as the collection will be permanently curated with the TSN.

Curation of artifacts requiring special environmental conditions, such as waterlogged materials, or particularly fragile or unstable materials will be discussed with the TSN prior to submittal. All materials submitted to the TSN for curation will be prepared in accordance with the procedures outlined in *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State* as required by the Office of Parks, Recreation, and Historic Preservation and in accordance with the New York Archaeological Council specifications (NYAC 1994).

_____ _____
Chief Roger Hill Date
Council of Chiefs
Tonawanda Seneca Nation

_____ _____
Commonwealth Cultural Resources Group, Inc. Date
Depositor

_____ _____
Property/Artifact Owner Date

Main office 2530 Spring Arbor Road, Jackson, MI 49203 (517) 788-3550 • fax (517) 788-6594
Minnesota office 1298 Yukon Court North, Golden Valley, MN 55427 (612) 812-5478 • fax (763) 545-8167
New York office 189 McKinley Avenue, Buffalo, NY 14217 (716) 510-9115
Wisconsin office 8669 North Deerwood Drive, Milwaukee, WI 53209 (414) 446-4121 • fax (414) 446-4325
ccrginc.com

ACCESS AGREEMENT

PROPERTY ACCESS AGREEMENT

This Property Access Agreement ("Agreement") is made and entered into this September day of 11, 2012 by and between Estate of Leroy Veenendaal who has address of 104 Bank Street, Batavia, NY 14020 (Owner") and the U. S. Department of Veterans' Affairs, a federal agency with an address of 810 Vermont Ave., Washington, DC 20420 ("Government").

Whereas, the Owner is the owner of certain real estate, consisting of approximately 132.5 acres of land, with improvements located thereon, situated in the State of New York in Genesee County, with an address of 1232 Indian Falls Road, Pembroke, New York, (hereinafter the "Property").

Whereas, Government has requested permission from Owner to enter the Property to appraise the value of the Property, to perform surveys, and to conduct engineering tests and studies, make test borings, and carry out such other exploratory investigations (collectively, the "Due Diligence") as may be reasonably necessary to complete the due diligence investigations of the Property.

Whereas, Owner is willing to give Government permission to enter the Property for the purpose of performing due diligence activities.

NOW, THEREFORE, in consideration of the foregoing, certain valuable non-monetary consideration, and of agreements hereafter contained, the Owner hereby grants to Government a license to enter the Property subject to terms and conditions set forth herein.

1. Purpose of Entry. The Government by its duly authorized officers, employees, agents and duly authorized employees of it contractors and subcontractors, may enter the Property at any reasonable time during the Term (as defined below) of this Agreement, as hereinafter described, solely for the purpose of performing due diligence activities.

2. Government's Responsibilities. Government shall be responsible for all costs associated with all such activities and shall leave the Property in the condition in which Government or Government's contractors, agents or representatives found it. Government shall not permit any liens to attach to the Property by reason of the exercise of Government's rights hereunder. All tools, equipment, buildings, improvements, and other property taken upon or placed upon the land by Government shall remain the property of Government and must be removed by Government prior to the expiration of this Agreement.

3. Term. The term of this license shall commence upon the date of execution of this Agreement and shall expire on February 15, 2013 (the "Term") except if a subsequent agreement between the parties respecting an offer by the Owner to sell the Property to the Government is accepted by the Government then the term of this license MAY BE EXTENDED as set forth in the subsequent agreement.

4. Compliance with Law. Government shall perform due diligence activities at Government's expense and in compliance with all applicable laws, ordinances and regulations and obtain at Government's own expense all permits, licenses, certificates and approvals required to perform due diligence activities.

5. Notice to Owner. At least five (5) business days prior to commencing Due Diligence, Government shall provide the Owner with notice of the commencement, and shall include a brief description and an estimated schedule for completion.

6. Security of Site. The Due Diligence shall include reasonable security measures, to minimize the risk of property damage or bodily injury at or in the vicinity of the site as the result of due diligence investigations.

7. Condition of Site. Government shall repair any damage to the Property caused by performing due diligence activities and shall leave the Property in substantially the same condition as existed when the Government entered the Property.

8. Insurance. Government is a self-insured instrumentality of the United States of America. Government's contractors and any and all subcontractors (hereinafter contractors) shall obtain at their own cost and expense, and keep in full force and effect, during the term of their access upon the Property, a comprehensive general liability insurance policy in an amount not less than One Million Dollars ($1,000,000.00) combined single limit for bodily injury, death and property damage arising out of any one occurrence, protecting the Owner against any and all claims for bodily injury, death or property damage arising directly or indirectly from Government's use of the Property. Such policy or policies shall name the Owner as an additional insured. The policy or policies required hereunder shall be issued by insurance companies qualified to do business in the state and such policy or policies shall provide at least twenty (20) days' notice to the Owner before cancellation or material modification. The Government's contactors shall deliver to the Owner certificates of such insurance evidencing the coverage in force as of the commencement date of this Agreement, as well as any replacement certificates issued during the term of this Agreement.

9. Owner's Representation. Owner hereby represents and warrants that it is the owner of the Property and has the right to grant the Government permission to enter upon the property and perform Due Diligence.

10. Termination. The license granted pursuant to this Agreement may be terminated by Owner or Government by providing written notice to the other party. Upon any such termination, the Government shall have continued access to the Property for a reasonable and sufficient period of time to permit Government to complete any necessary repairs as set forth in Paragraph 7 of this Agreement.

11. Notices. Any notice permitted or required to be given under this Agreement shall be in writing and shall be deemed to be duly given [illegible] delivered certified mail, return receipt requested, to the party entitled to such n[illegible] set forth hereinabove, with a copy to:

For the Government: Director, Real Property Service
Department of Veterans Affairs
Real Property Service (003C1E)
810 Vermont Ave NW
Washington, DC 20420
Jessica. Kaplan@VA.gov

With a copy to: Gary Rothfeld
Realty Specialist
Real Property Services
Office of Construction and Facilities Management
Department of Veterans Affairs
425 I Street, NW
Room 6W219A
Washington, DC 20001
(202) 632-55-11
Gary.Rothfeld@va.gov

AND

Attn: Marion (Lee) Veenendaal
With a copy to his attorney, David Metzler, Esq.
104 Bank Street
Batavia, NY 14020
Tel: 585-343-3090
Email rmglaw3@verzion.net

12. Third Parties. The license granted to Government under this Agreement is a personal privilege of Government and shall not be transferred or assigned except as provided in Paragraph 1 hereof. Nothing in this Agreement, whether express or implied, is intended to relieve or discharge the obligation or liability of any third persons to either party to this Agreement, nor will any provision give any third persons any right of subrogation or action over against either party to this Agreement.

13. Applicable Law; Entire Agreement. This Agreement shall be construed and enforced in accordance with and governed by the laws of the United States of America. The terms and conditions of this Agreement, together with the terms and provisions of all documents referred to herein, constitute the full and entire Agreement between the parties affecting the rights and obligations contained herein. No other agreement or understanding concerning the same has been entered into or will be recognized. Neither party has made inducements nor representations to the other except as expressly stated in

this Agreement. No amendments or modifications of this Agreement shall have any force or effect without the written consent of both parties.

Notwithstanding anything in this Agreement, any provision that purports to assign liability to the United States Government shall be subject to and governed by Federal law, including but not limited to, the Contract Disputes Act of 1978 (41 U.S.C Sections 601-613); the Anti-Deficiency Act (31 U.S.C. Sections 1341, and 1501); and the Federal Tort Claims Act (28 U.S.C. Section 2671, *et seq.*).

14. Counterparts. This Agreement may be executed in counterparts, and it shall not be necessary that the signatures of all parties hereto be contained on any one counterpart hereof; each counterpart shall be deemed an original, but all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals on the date first above written.

WITNESSES:

NAME (print): Mary Ellen Wilber

NAME (print):

OWNER:
Estate of Leroy Veenendaal

By:
Marion (Lee) Veenendaal, Executor of the Estate

Date: 8/31/12

WITNESSES:

NAME (print):

NAME (print):

GOVERNMENT:
DEPARTMENT OF VETERANS AFFAIRS

By:
Name:

(CFM)

AMENDMENT TO PROPERTY ACCESS AGREEMENT

This AMENDMENT TO PROPERTY ACCESS AGREEMENT ("Amendment") is entered into as of this 12 day of September, 2013, by and between Estate of Leroy Veeneidaal, with an address of 104 Bank Street, Batavia, NY 14020 ("Owner") and THE UNITED STATES OF AMERICA FOR AND ON BEHALF OF THE DEPARTMENT OF VETERANS AFFAIRS, a Federal agency ("Government").

Witnesseth:

WHEREAS, the parties entered into a Property Access Agreement dated September 11, 2012 ("Agreement"); and

WHEREAS, the Agreement expired on February 15, 2013 as described in paragraph 3 of the Agreement; and

WHEREAS, following the expiration of the Agreement, Government continued to access the Property as provided in the Agreement with no objection by Owner; and

WHEREAS, Government intends to continue due diligence activities on the Property as described in the Agreement in an effort to purchase the Property; and

WHEREAS, the parties desire to amend paragraph 3 of the Agreement to provide that the Agreement shall expire on December 31, 2013.

NOW THEREFORE, the parties agree to amend the Agreement as follows:

1. The expiration of the Agreement, noted in Paragraph 3, is hereby amended to be December 31, 2013.

2. All other terms and conditions of the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have executed this Amendment as of the date first above written.

WITNESSES:

Eric Canelle

Print Name: Eric Canelle

OWNER:
Estate of Leroy Lou Veeneidaal

By: _____
Marion (Lee) Veenendaal
Executor of the Estate

GOVERNMENT:
U.S. DEPARTMENT OF VETERANS' AFFAIRS

Amanda Wehner for

Print Name: Amanda Wehner

By: _____
Jessica L. Kaplan
Director, Real Property Service

135299.1

Attachment 5

By this attachment, the Parties to the MOA incorporate by reference the 2002 Haudenosaunee Policies and Practices, attached, which lists Haudenosaunee sacred objects and provides background information regarding Haudenosaunee cultural practices.

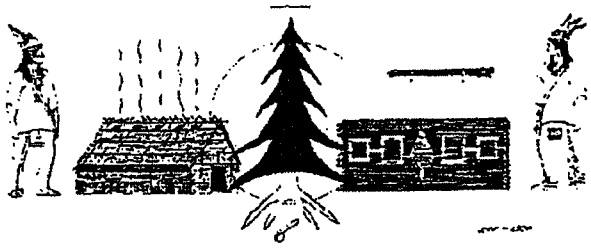
Pursuant to the protocols outlined in the 2002 Haudenosaunee Policies and Practices, the parties agree that:

In the event Medicine Masks, Haudenosaunee Sacred Objects, or Human Remains are found on the site by NCA or any entity designated by NCA to conduct work or other activities on the site, such work will immediately cease and NCA or its designee will promptly contact the Nation. (See contact below). The Nation and NCA will work together to determine what steps must be taken, bearing in mind the fundamental principle that human remains should not be disturbed and that, in the event such disturbance is unavoidable, no human remains should be removed from the site without proper Haudenosaunee cultural protocols.

Contact:

Chief Roger Hill: 716-542-4244 (office)

Part 4 Haudenosaunee Policies and Practices Today



4.1 Haudenosaunee Cultural Properties

Haudenosaunee culture shapes the behavior of its' members in deep and persistent ways, some times, even beyond the conscious control of the individual. It is a way of being, of acting, of reacting. Culture, therefore, is a way of thinking, a way of feeling, but also an intuitive way of problem solving and a unique way to express oneself in the world. The Haudenosaunee call all of this Ongwehoweka meaning all things that pertain to the way of life of the Original People.

Each generation defines for itself what its culture is, and these definitions may be different across the generations. Certainly there will be some underlying foundations that remain, but there are also new ways to express cultural values.

Identifying cultural properties for the Haudenosaunee must be done is a manner that is consistent with our culture. It must consider what is important to the Haudenosaunee. It is less about identifying a building or monument and more about identifying locations that have spiritual, cultural, and political significance to the Haudenosaunee. Appendix F is a listing of types of cultural properties that is of interest to the Haudenosaunee.

4.2 Haudenosaunee Policy on Human Remains

The Haudenosaunee Beliefs

We have been taught that we bury our dead into the ground so that their bodies can become part of the sacred Earth. We believe that we come from the Mother Earth and that the human remains that rest within the Earth are an important spiritual connection to the spirit of the Earth. The Earth is enriched by the dead as our flesh becomes part of the soil. The souls of the dead have a path of destiny that they must follow. We refer to this as their journey after life. In this way, we feel that the dead are around us and protects us as we hold our ceremonies or dances. We believe

that the dead have power and it is dangerous to neglect the spiritual needs of the dead. The protection of the human remains and associated graves, sacred burial sites and related objects from the graves of the Haudenosaunee are the responsibility of each generation of Chiefs, Clan mothers, and Faithkeepers. We believe that the remains, the associated burial objects and the actual soil in which they rest is sacred. There is no acceptable excuse to justify the desecration of this sacred burial.

Violation of our Spiritual Rights

Removing the remains from their eternal resting place is a great desecration to both the dead and the living. The disturbance, destruction, and theft of the dead is a violation of the religious and spiritual welfare of the Haudenosaunee. As long as the human remains are disturbed, there will be spiritual consequences to our people. The desecration of the graves of our ancestors, no matter what the age of the burial, is a violation of our religious freedom. Permits issued by the State of New York or any other local government, to allow anyone to violate the sanctity of the graves of our ancestors can no longer be tolerated. In the past, our ancestors buried many objects along with the body with the belief that in the afterlife, you will need all of those things that you need in this life. All types of objects have been associated with burials, including decorated clothing, glass beads, shell beads, silver combs, tools and weapons, ceramic and metal cooking pots, wampum belts, strings of wampum, and a variety of personal items. The removal of these objects from the grave is a theft from the dead.

Violation of our Human Rights

The remains of our deceased relatives are not "archaeological resources" that are subjects of study. They are human beings who one lived on this land. They had real lives and feelings. They had spiritual expectations about their final resting places. To look at Native Americans as objects rather than as human beings is a gross violation of our human rights. All graves and burial sites, Native or other races, deserve respect. Our dead relatives deserve the basic human right to a dignified burial. We do not believe in the use of permanent headstones to mark graves of our ancestors and state law makes a difference between cemeteries and unmarked burials. Our burial sites deserve to be considered hallowed ground, whether they are marked or not. There has been double standard in dealing with our people and non-Native remains. Non-Native grave sites are often afforded more protection then Native burials. Despite the efforts of state agencies to identify Native grave locations, construction permits are issued nonetheless. Our dead relatives deserve the same right to an eternal resting place as all other races and religions.

Violation of our Treaty Rights

The unearthing of the remains of our ancestors from their eternal resting pace is also a violation of promises made to the Haudenosaunee under the terms of the Canandaigua Treaty of 1794. By

that treaty, the United States, including the State of New York, promised not to "disturb" the Haudenosaunee in the free use and enjoyment of their lands. We have been on record protesting the desecration of our graves. The continual destruction of Native graves, the stealing of Native remains and the looting of burial objects causes us serious mental, emotional, and spiritual harm. Our people are continually upset by these events and we have been forced to adjust our spiritual traditions to accommodate outside developments. The desecration of the graves violates the mutual respect promised by the United States as they pledged a firm and permanent friendship between our peoples. The treaty also promised to remove the cause of complaint that upsets our peace. We therefore make it clear that the desecration of the graves of our ancestors causes great harm to our people and the United States and State of New York have an obligation to protect the general welfare of our people as promised in the legally binding treaties.

4.3 Past Burial Practices and Sites

In ancient days, the dead were handled differently than today. When people died, their bodies were wrapped in hides and placed on wooden scaffolds. Eventually, the flesh would decay and when the villages moved to a new location, the bones of the dead would be removed from the scaffolds, cleaned and re-wrapped. The small bundles of bones would then be buried in group graves called ossuaries. Some bodies were buried in single graves, with the body placed in a flexed position, as if sitting on the ground with the knees folded up and arms crossed over the knees.

In the late 1500s, fifty percent of Seneca graves contain artifacts showing the rituals of burial had become more complex. By the early 1600s, graves were oval or circular in shape. The grave was lined with furs, bark or woven grass mats. Bodies placed in a flexed position, with the head to the west side of the grave. The body was then covered with bark and field stones. By 1660, sixty percent of Seneca graves had brass trade items and fifty percent had iron trade items.

Wray and Schoff (1953) and Wray (1973) note that the custom of giving the dead offerings continued and probably used up their stock of trade goods as fast as it was acquired. After 1700, there appears to be a mixture of earlier and later bead types found on sites, which indicates that cemeteries were being looted at that time and the old bead types were coming into circulation. By 1687, the extended form of burial was slowly being adopted and the graves were becoming progressively shallower until by 1779, they were barely below plow depth.

Wooden caskets of pine boards with a few iron nails were beginning to be used by 1700 and the burials were made in rows instead of circular plots of scattered graves. As communities were breaking up and families began living in individual cabins, the burial plots became much smaller and more numerous with each family having their own plot behind their cabin. Burial offerings were often placed beside the body with food at the feet.

The goods included in burials during this time were mostly manufactured items with little of native make, replaced by crockery, pails, and iron tools of the European trader. The bodies would be dressed in their best clothes and would have been accompanied with food offerings in ceramic pots, tools and weapons, including flintlocks, necklaces of shell, silver ornaments on the clothing and specially prepared moccasins. All that was needed in this life was thought to be needed in the after life.

The bodies would be placed at the western end of the grave. The body of the deceased is now dressed in traditional style clothing, but no glass beads or metal is placed on the body. Glass and metal last a long time, even when buried, so they are not placed in the casket. Cloth, ribbon, feathers, or wood items are still placed on the body, as they will decay through time.

4.4 Haudenosaunee Sacred Objects

Since 1974, the Grand Council of the Haudenosaunee identified the following objects as being considered sacred and part of our national cultural patrimony. This is the underlying basis of our claims that have been made for the past twenty-eight years:

1) Wooden medicine masks, small and large
2) Corn husk masks, small and large
3) Snowsnakes, short and long
4) Condolence canes
5) Wampum
6) Peach stone game bowls and game dice
7) Wooden lacrosse sticks used in medicine games
8) Turtle rattles of all sizes
9) Ceremonial songs, speeches and prayers
10) Lacrosse sticks
11) Ceremonial clothing
12) Ceremonial dance instruments
13) Medicine objects and charms

In addition, a number of objects have been documented to have been included in graves of the Haudenosaunee, at one time or another.

a) Ceramic pots
b) Metal kettles
c) Shell, stone or glass beads
d) Wood spoons, ladles, or serving trays
e) Wampum beads, ornaments or belts

f) Metal tools, hatchets, guns, axes or knives
g) Baskets
h) Antler hair combs and carvings
i) Manufactures hair combs
j) Clay or manufactures pipes
k) Silver and pewter ornaments

4.5 Haudenosaunee Policy on Medicine (False Face) Masks

The Grand Council of the Haudenosaunee issued, in 1995, this policy regarding all medicine masks of the Haudenosaunee.

Medicine Societies

Within the Haudenosaunee there are various medicine societies that have the sacred duty to maintain the use and strength of special medicines, both for individual and community welfare. A medicine society is comprised of Haudenosaunee who have partaken of the medicine and are thereby bound to the protection and perpetuation of the special medicines.

Such medicines are essential to the spiritual and emotional well-being of the Haudenosaunee communities. The medicine societies are a united group of individuals who must uphold and preserve the rituals that guard and protect the people, and the future generations.

Among these medicine societies are those that utilize the wooden masks and corn husk masks, which represent the shared power of the original medicine beings. Although there are variations of their images, all the masks have power and an intended purpose that is solely for the members of the respective medicine societies. Interference with the sacred duties of the societies and/or their masks is a violation of the freedom of the Haudenosaunee and does great harm to the welfare of the Haudenosaunee communities.

Status of Masks

All wooden and corn husk masks of the Haudenosaunee are sacred, regardless of size or age. By their very nature, masks are empowered the moment they are made.

The image of the mask is sacred and is only to be used for its intended purpose. Masks do not have to be put through any ceremony or have tobacco attached to them in order to become useful or powerful. Masks should not be made unless they are to be used by members of the medicine society, according to establish tradition.

Sales of Masks

No masks can be made for commercial purposes. Individuals who make masks for sale or sell masks to non-Indians violate the intended use of the masks, and such individuals must cease these activities as they do great harm to the Haudenosaunee. The commercialization of medicine masks is an exploitation of Haudenosaunee culture.

Authority Over Medicine Masks

Each Haudenosaunee [community] reservation has a medicine mask society that has authority over the use of masks for individual and community needs. Each society is charged with the protection of their sacred masks and the assurance of their proper use.

The Grand Council of Chiefs has authority over all medicine societies and shall appoint individual leaders or medicine societies as necessary. However, no individual can speak or make decisions for medicine societies or the displacement of medicine masks. No institution has the authority over medicine masks, as they are the sole responsibility of the medicine societies and the Grand Council of Chiefs.

Exhibition of Medicine Masks

The public exhibition of all medicine masks is forbidden. Medicine masks are not intended for everyone to see and such exhibition does not recognize the sacred duties and special functions of the masks.

The exhibition of masks does not serve to enlighten the public regarding the culture of the Haudenosaunee as such an exhibition violates the intended purpose of the mask and contributes to the desecration of the sacred image. In addition, information regarding medicine societies is not meant for general distribution.

The non-Indian public does not have the right to examine, interpret, or present the beliefs, functions, and duties of the secret medicine societies of the Haudenosaunee. The sovereign responsibility of the Haudenosaunee over their spiritual duties must be respected by the removal of all medicine masks from exhibition and from access to non-Indians.

Reproductions, castings, photographs, or illustrations of medicine masks should not be used in exhibitions, as the image of the medicine masks should not be used in these fashions. To subject the image of the medicine masks to ridicule or misrepresentation is a violation of the sacred functions of the masks.

The Council of Chiefs find that there is no proper way to explain, interpret, or present the significance of the medicine masks and therefore, ask that no attempt be made by museums to do so other than to explain the wishes of the Haudenosaunee on this matter.

Return of Medicine Masks

All Haudenosaunee medicine masks currently possessed by non-Indians, including Museums, Art Galleries, Historical Societies, Universities, Commercial Enterprises, Foreign Governments, and Individuals should be returned to the Grand Council of Chiefs of the Haudenosaunee, who will ensure their proper use and protection for the future generations.

There is no legal, moral, or ethical way in which a medicine mask can be obtained or possessed by a non-Indian individual or institution, as in order for a medicine mask to be removed from the society it would require the sanction of the Grand Council of Chiefs. This sanction has never been given. We ask all people to cooperate in the restoration of masks and other sacred objects to the proper caretakers among the Haudenosaunee. It is only through these actions that the traditional culture will remain strong and peace will be restored to our communities.

4.6 Haudenosaunee Standing Committee on Burial Rules and Regulations

Our Nations operate their repatriation programs under the auspices of the Haudenosaunee. The Grand Council, in accordance with the Great Law of Peace and based on Haudenosaunee protocols and cultural beliefs established the Haudenosaunee Standing Committee on Burial Rules and Regulations (HSCBRR). The HSCBRR has been tasked to work with the Nations of the Haudenosaunee to develop protocols and procedures for a coordinated approach related to burial remains.

The HSCBRR works in cooperation and collaboration with the other nations and communities on both the United States and Canadian side of the border. Through our own internal governance, we then decide where repatriated objects will be assigned. In terms of cultural patrimony, these objects are held on behalf of all of the Haudenosaunee, no matter where they reside. In reality, we view all of our aboriginal territory on both sides of the U.S. - Canada boundary line as one land and we view all of the Haudenosaunee as one people.

4.7 Procedures for Handling Discovery of Human Remains

	Known Burials	Unidentified Burials
	Intentional excavation	**Inadvertent Discovery**
When to contact?	At the earliest time in the decision-making process.	Upon discovery
Which Nation to contact?	If find is within existing nation boundary, contact that nations' Cultural Resource representatives. If the find is within the traditional land use area (fifty mile radius from the current nation territory, contact the closest nations' Cultural Resource Representative. If the find is within the aboriginal territory of each nation, as shown on the attached map, contact the nation within that territory. For finds located within fifty miles on either side of the boundary lines shown on the map, contact the Cultural Resource Representatives of both nations.	
Who to contact?	Haudenosaunee Cultural Resource Representatives	Haudenosaunee Cultural Resource Representatives
	HSCBRR	HSCBRR
How to contact?	Contact list is provided.	
Information required	Brief description of the find or potential find; site map and any information on the known cultural history of the area and summary of nearby archaeological findings	
	Nation will send a representative to review the site	Company must hire a Native American on-site observer.
Next steps	Non-disturbance of burials is preferred.	No remains should be removed without proper Cultural protocols.
	If after proper consultation, the remains must be removed, we prefer to have them reburied as close to their original location as possible, provided the future sanctity of the grave can be assured. If no safe local burial ground can be offered, the Haudenosaunee will reclaim the remains for reburial at an undisclosed location. The local government/state agency/developer must pay all of the costs for such a reburial. All objects associated with the original burial must be reburied as well. All of the soil in the immediate area of the burial should also be placed in the new grave.	
Time Frame	30 to 45 days	As soon as possible.

Western New York National Cemetery
Traffic Study -

Town of Pembroke, Genesee County -
New York -

Prepared for: -

Department of Veterans Affairs
Office of Construction & Facilities Management -
Washington DC 20001 -

May 11, 2015 -

Prepared by:

FISHERASSOCIATES
135 Calkins Road, Rochester, NY 14623
Phone: 585-334-1310
www.fisherassoc.com

Fisher Associates Project Number: 154013

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EXECUTIVE SUMMARY

This Traffic Study was conducted for the Western New York National Cemetery project located in the southeast corner of the intersection of Alleghany Road (Route77) and Indian Falls Road in Pembroke, NY. The primary focus of this study was to:

- Assess the potential effects of the Cemetery's generated vehicular traffic, from daily/routine operations, on the adjacent roadway network.
- Provide guidance on access point locations, geometry and controls.
- Offer guidance on potential speed control measures for Alleghany Road in the vicinity of the project site.
- Provide a general documentation and understanding of how traffic associated with larger funeral processions and special events may be managed.

To establish traffic flow patterns and characteristics within the study area, seven days of vehicular traffic volumes, speeds and classification data was collected on Route 77 south of Indian Falls Road and on Indian Falls Road east of Route 77 during a typical week in April 2015. Additionally, intersection turning movement counts were conducted at Route 77/Indian Falls Road during intersection weekday morning and evening peak periods. The traffic count data confirmed field observations that motorists on Route 77 traveled at or above the posted speed limit of 55 MPH. Acceptable capacity and operations were observed at the intersection of Route 77/Indian Falls Road, which was substantiated by the intersection counts and existing conditions operations capacity analysis modeling.

It is anticipated that daily/routine operations trip generation rates will peak for the Cemetery when burial rates are estimated to peak in 2017. After 2017, burial rates are expected to remain steady then begin a slow decline over the next 20 years. Therefore, to provide a conservative assessment it was assumed that 2017 would represent the future conditions year in this study.

Based on discussions with NYSDOT, no specifically approved developments or roadway improvements/modifications were identified within the immediate area surrounding the project site. Therefore, to account for ambient traffic volume growth from undocumented sources, current counts conducted in March 2015 were compared to historic data to develop a general straight line growth rate of 1.5% per year for a total of 3.0% traffic volume growth, from 2015 to 2017. With the application of this traffic volume growth rate, minimal degradation in roadway or intersection operations was predicted.

Guidance on potential access point locations was facilitated by sight distance evaluations, which was used to identify sections (access zones) of Route 77 where public and service entrances should be located. Additionally, a sight distance evaluation was conducted for a specific spot-location on Route 77 at the southern end of the project site were a dirt access-way already exists for a billboard sign located along the Thruway.

The Cemetery's peak traffic generation correlates with burial services hours, which occur on a weekday between 9:00 AM and 3:00 PM. Based on traffic generation at other National Cemeteries, the Trip generation for this project assumed two corteges of 15 vehicles each may arrive at the Cemetery between 8:00 and 9:00 AM and

two corteges of 15 vehicles each may leave the cemetery between 3:00 and 4:00 PM, since two committal services areas will be provided on site. Additionally, to provide a conservative assessment, it was assumed all seven employees arrive at 8:00 AM and leave at 4:00 PM along with an estimated number of visitors. This resulted in the following trip generation:

Morning Trip Generation 8:00-9:00 AM		
Trip Generator	Enter	Exit
Employee	7	0
Cortage	30	0
Visitor	10	5
Total	47	5

Afternoon Trip Generation 3:00-4:00 PM		
Trip Generator	Enter	Exit
Employee	0	7
Cortage	30	30
Visitor	10	20
Total	40	57

The estimated trip generation for the Cemetery was distributed onto the adjacent roadway network at the proposed public access point, and generally assumed that approximately 75% of the trips to the Cemetery would arrive from and return to points south of the site; with the remaining 25% of the trips to the Cemetery arriving from and returning to points north of the site. This distribution pattern assumed the Cemetery to be a destination type of land use and a majority of the traffic would arrive and leave the study area using the Thruway, I-90.

Operational analysis for proposed conditions, which included the Cemetery trips distributed onto the study area, was initially conducted assuming conventional types of roadway geometry for the public access point and the intersection of Route 77/Indian Falls Road. Both sets of analysis indicated that each intersection is predicted to operate acceptably, Level of Service results of 'c' or better. It is anticipated that the service access point for the Cemetery will accommodate less than 10 trips during either of the two analysis periods on a typical day without funerals. Given the very low traffic volumes and sporadic use of the service access, a detailed capacity analysis was not conducted; however, acceptable levels of operations are expected.

Under the conventional geometry scenario, no geometric improvements or changes to intersection controls were identified for the intersection of Route 77/ Indian Falls Road. For the public access point the operational capacity analysis assumed the Cemetery's public access would be stop sign controlled and have one lane entering and one lane exiting the site with no auxiliary turn lanes on Alleghany Road at the public access point.

A qualitative review of traffic signal warrants determined neither intersection is an appropriate candidate for traffic signal control.

As indicated by the operational analysis, left and right turn lanes on Route 77 at the public access point are not required to accommodate the Cemetery's typical operations. However, a review of the left and right turn lane warrant indicates the addition of a right turn lane should be considered based on traffic volumes alone. Additionally, given the 55-60 MPH travel speeds on Route 77 coupled with the predominant driver types associated with the Cemetery (older, unfamiliar with the area, and potentially preoccupied by their visit), it is recommended left and right turn lanes be provided on Rout 77 at the public access point to reduce the potential for accidents. To identify a best-fit set of turn lane geometrics that will accommodate the Cemetery's functions and activities it is recommended as part of the detailed design process for the access points that follow on discussions with NYSDOT be conducted to properly vet and account for physical constraints, adjacent intersection encroachment and right-of-way impacts.

An alternative geometric option assessed for the public access point/Route 77 and Route 77/Indian Falls Road intersections was a one-lane roundabout, which is predicted to provide acceptable operations, Level of Service 'a' for both locations. It was included in this study for consideration as, primarily, a potential speed mitigation option as well as a feature that may assist with transforming the traveling characteristics of Route 77. Should the roundabout option deserve further consideration, it is recommended an engineering feasibility assessment be conducted to determine specific roundabout geometry and related right-of-way impacts.

The Hamlet of Indian Falls located north of the study area has a posted speed limit of 40 MPH on Route 77. As part of the field investigation efforts with NYSDOT, it was noted that an extension of the 40 PMH speed limit in a southerly direction on Route 77, past the project site, is not expected to have an appreciable impact on actual travel speeds and is therefore not recommended. However, additional design considerations and travel speed countermeasures to improve safety and reduced speeds on Route 77 could include:

- Roadway restriping
- Speed limit pavement legend
- Speed feedback signs
- Speed activated feedback warning signs

A more comprehensive list of speed countermeasures is included in the appendix of the report for reference and consideration with New York State Department of Transportation.

Finally, although the average funeral procession (which occurs on a weekday between 9:00 AM and 3:00 PM) is approximately 15 vehicles there are sporadic occasions when funeral procession lengths can be considerably longer. These are typically associated with the death of an active duty person or someone who has been killed-in-action. For such occurrences, the Cemetery Director and the Department of Veterans Affairs (VA) has specific procedures and protocols in place to accommodate the higher traffic loads, which include the involvement of the VA Police as well as coordination with local authorities. On Memorial and Veterans Days a majority of the parking for related holiday ceremonies may be located offsite in designated remote parking lots and shuttle service for visitors to and from the Cemetery and the parking lots will be provided. Additionally, the VA Police

will be present at the Cemetery to control traffic. On other less busy holiday weekends when Cemetery traffic volumes may be elevated, but not to the point that may be experienced on Memorial or Veterans Day, coordination with local authorities will occur and an increased presence will be requested.

I. Introduction

The U.S. Department of Veterans Affairs (VA) proposes to build the Western New York National Cemetery on a 130+ acre site located in Pembroke, NY. Phase I of a four to five phase build-out of the project site involves the development of 45 acres of the site, which will include construction of cemetery facilities necessary to maintain, operate and provide burials for approximately 10 years.

The purpose of this traffic assessment is to:

- Assess the effects of the Cemetery's generated vehicular traffic, from daily/routine operations, on the adjacent roadway network.
- Provide guidance on access point locations, geometry and controls.
- Offer guidance on potential speed control measures for Alleghany Road in the vicinity of the project site.
- Provide a general documentation and understanding of how traffic associated with larger funeral processions and special events may be managed.

The project site is located along the eastern side of Alleghany Road (Route 77) between Indian Falls Road (to the north) and NY I-90 (to the south) in the town of Pembroke, NY. The study area encompasses the segments of Route 77 and Indian Falls Road adjacent to the project site and the intersection of Route 77/Indian Falls Road. The land uses bordering the project site are active agricultural land with undeveloped woodland/wetland area and a few residential properties. **Figure 1** provides a project location map. **Figure 2** identifies the proposed project area.

The following sections of the report document analysis procedures, technical assumptions, and vehicular operations, conclusions and recommendations.

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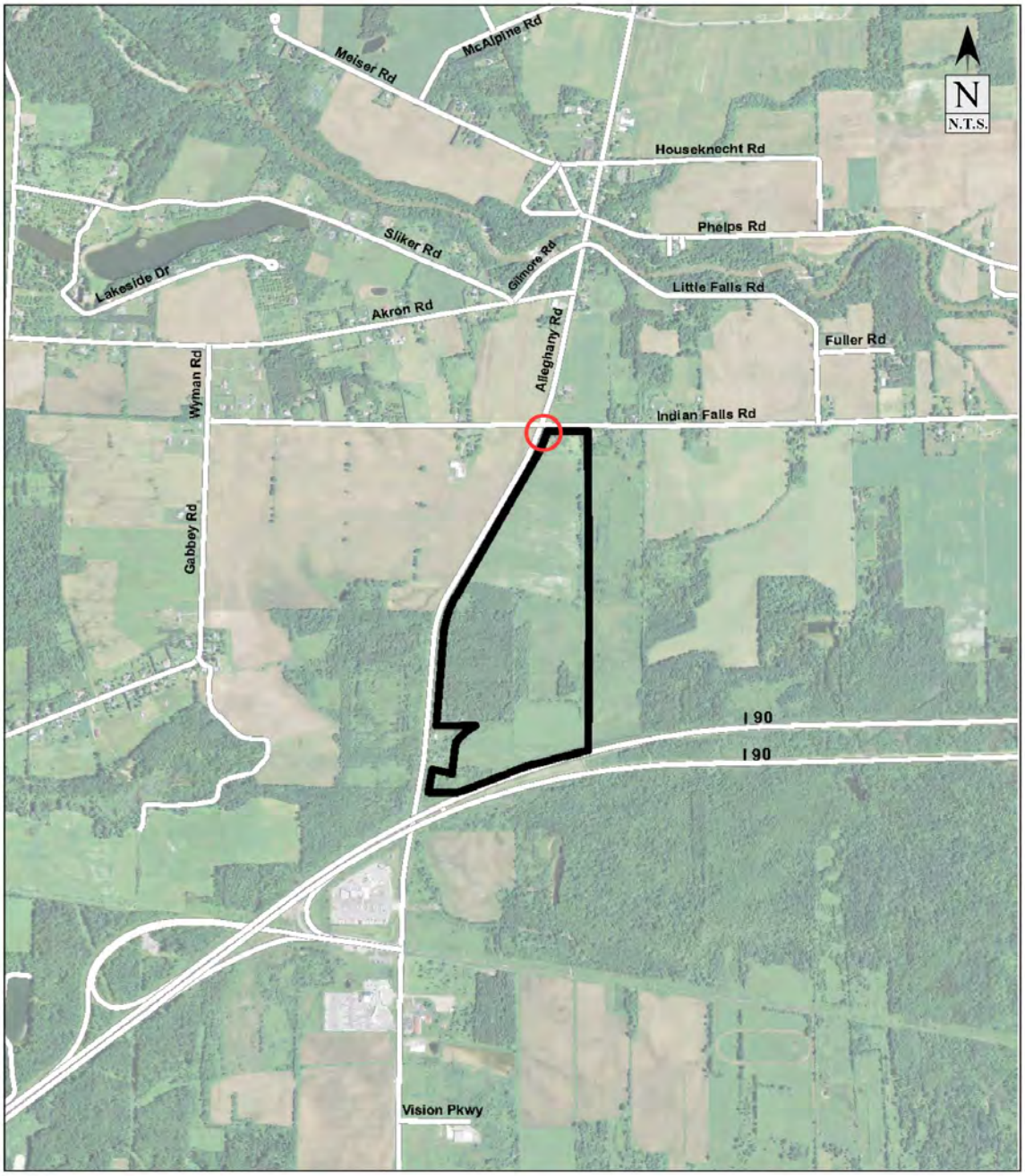
Western New York National Cemetery
NY Route 77 & Indian Falls Road
Project Location Map

Figure 1



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Western New York National Cemetery
NY Route 77 & Indian Falls Road
Proposed Project Area

Figure 2

II. Data Collection and Field Observations

Intersection turning movement counts (TMC) were collected for the intersection of Route 77/Indian Falls Road on Thursday April 16, 2015. The turning movement count data's primary purpose was to form the basis for the morning study period and afternoon study period operational assessments. Existing conditions volume data for the intersection of Route 77/Indian Falls Road is provided on **Figures 3 and 4** in the Existing Conditions section of this report. The actual intersection turning movement count data is provided in the **Appendix** of this study.

To confirm roadway character, motorist behaviors and to validate the TMC data, Automated Traffic Recorders (ATR's) collected continuous traffic volume, speed and classification data on Route 77 south of Indian Falls Road and on Indian Falls Road east of Route 77, from April 15, 2015 to April 22, 2015. **Table 1** below summarizes the weekday ADT, 85% speed and heavy vehicle percentage data collected by the ATRs. The ATR count data is provided in the **Appendix** of this study.

Table 1

ATR Data

Route	Route 77: South of Indian Falls Road	Indian Falls Road: East of Route 77
Weekday ADT	6,535	931
85% Speed	59 MPH	45 MPH
Heavy Vehicle %	9%	7%

Additionally, to establish potential access point locations, sight distance evaluations were conducted for Route 77 and Indian Falls Road within the study area on April 7, 2015 and April 16, 2015. The criteria utilized for the sight distance evaluation, the evaluation process and findings are explained in the Future Conditions section of this study.

Field observations noted good levels of operation at the study intersection as well as for Route 77 and Indian Falls roadway segments. Motorists appeared to be traveling at or above the posted 55 MPH speed limit on Route 77. On both days of observation police were present on Route 77 monitoring traffic and stopping vehicles.

III. Existing Conditions

This section of the study describes the current transportation network included in this assessment and documents the transportation network, capacity analysis methodology and current network operations.

A. Description of Transportation Network

Route 77– Route 77, also known as Alleghany Road, within the study limits, is a north-south travel route with one travel lane in each direction. The travel lanes are approximately 12' wide. Route 77 is classified by NYSDOT as a rural minor arterial roadway. The posted speed limit is 55 MPH within the study limits. ATR counts documented a weekday ADT of 6,535 for Route 77.

Route 77
Southbound

Indian Falls Road – Indian Falls Road, within the study area, is an east-west travel route with one travel lane in each direction. The travel lanes are approximately 11' wide. Indian Falls Road to the east of Alleghany Road is classified by NYSDOT as a rural minor collector roadway and to the west of Route 77 is classified as a local road. The posted speed limit is 55 MPH within the study limits. ATR counts documented a weekday ADT of 931 for Indian Falls Road.

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Indian Falls Road
Westbound

Route 77 & Indian Falls Road Intersection – The Route 77 and Indian Falls Road intersection is a four-legged intersection with one lane entering from each approach. It is stop sign controlled on Indian Falls Road's eastbound and westbound approaches.

Route 77/Indian Falls Road Intersection
Westbound Approach

NYS Interstate 90 (I-90) Exit 48-Pembroke - I-90 is an east-west toll road with two lanes in each direction that stretches across Upstate New York. The I-90 Exit 48-Pembroke access is located off Route 77 approximately 1/3 mile south of the southern Site boundary. Although it is not included in the study area, it's proximity to the project site is notable, as a significant percentage of traffic to and from the National Cemetery is expected to take advantage and use of I-90.

B. Capacity Analysis Methodology

Intersection capacity analysis was conducted using Synchro, Version 8.0 software[1]. The program is based on methods presented in the 2010 Highway Capacity Manual[2] that describes the levels of operation of intersections controlled by signals and regulated by stop signs.

Using an analytical approach, a Level of Service is determined for traffic travelling through an intersection. The Level of Service is defined or quantified in terms of average delay experienced by motorists, which is equated to the letters 'a' to 'f' for stop sign controlled intersections. The following provides delay descriptions for each level of service:

Stop Sign Controlled Intersections

a	10 seconds or less
b	10.1 to 15 seconds
c	15.1 to 25 seconds
d	25.2 to 35 seconds
e	35.1 to 50 seconds
f	Greater than 50 seconds

From experience, a Level of Service 'd' for a stop controlled intersection is generally considered to be the threshold of acceptable operations in a rural setting.

C. Establishment of Study Time Period and Operational Analysis

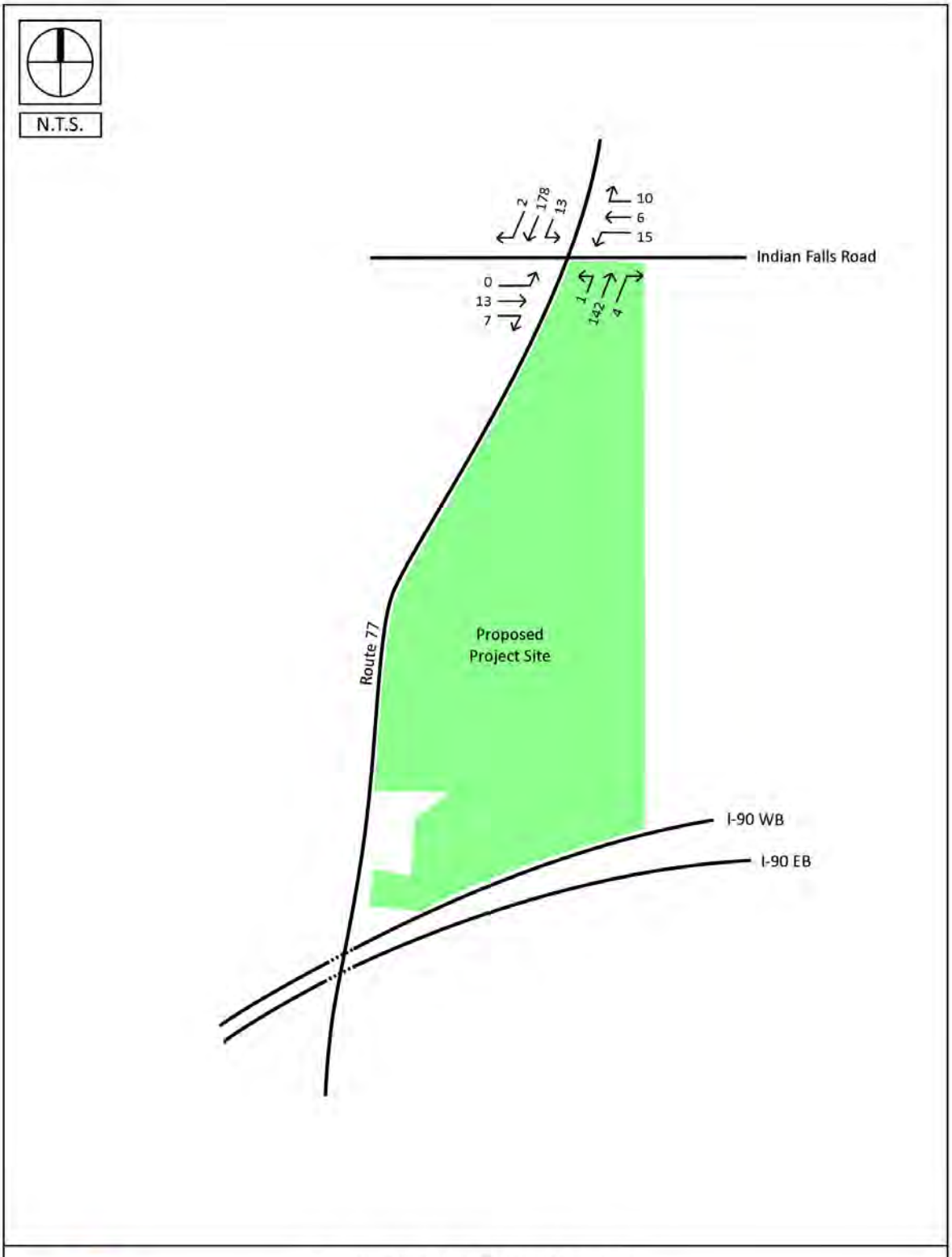
The Western New York National Cemetery operations and functions will be in accordance with the operations for all other National Cemeteries and will closely replicate the operations of Indiantown Gap National Cemetery in Annville, PA. Based on the operations at Indiantown Gap and through discussions with the project team, weekday morning and afternoon study periods were determined for analysis purposes. Specific operational details include:

- **Employees** arrive between 7:30-8:00 AM, begin work promptly at 8:00 AM and conclude the work day by 4:30 PM.
- **Funeral services** occur between 9:00 AM and 3:00 PM, primarily Tuesday thru Thursday, taking place promptly on the hour/half hour as scheduled throughout the day.
- **Funeral corteges** begin to arrive between 8:00-9:00 AM for 9:00 AM services. In the afternoon the last services end at 3:00 PM with attendee departures after 3:00PM.
- **Visitors** may pay their respects and tour the the Cemetery from dawn until dusk.

Based on the Cemetery operations, a morning study period of 8:00-9:00 AM was a chosen for operational capacity analysis to capture the peak traffic generating morning period of the cemetery. Similarly, an afternoon study period of 3:00-4:00 PM was chosen for operational capacity analysis to capture the peak afternoon traffic generating period of the Cemetery.

Existing conditions traffic volume data for the morning and afternoon study periods were obtained from turning movement counts collected April 16, 2015 for the intersection of Route 77/Indian Falls Road and depicted on **Figure 3** and **Figure 4,** respectively. Existing conditions capacity analysis indicate a Level of Service (LOS) 'c ' or better, for all movements within the study intersection, for both time periods, which confirmed field observations.

Capacity analysis summary reports for Existing Conditions are provided in the **Appendix** of this report.



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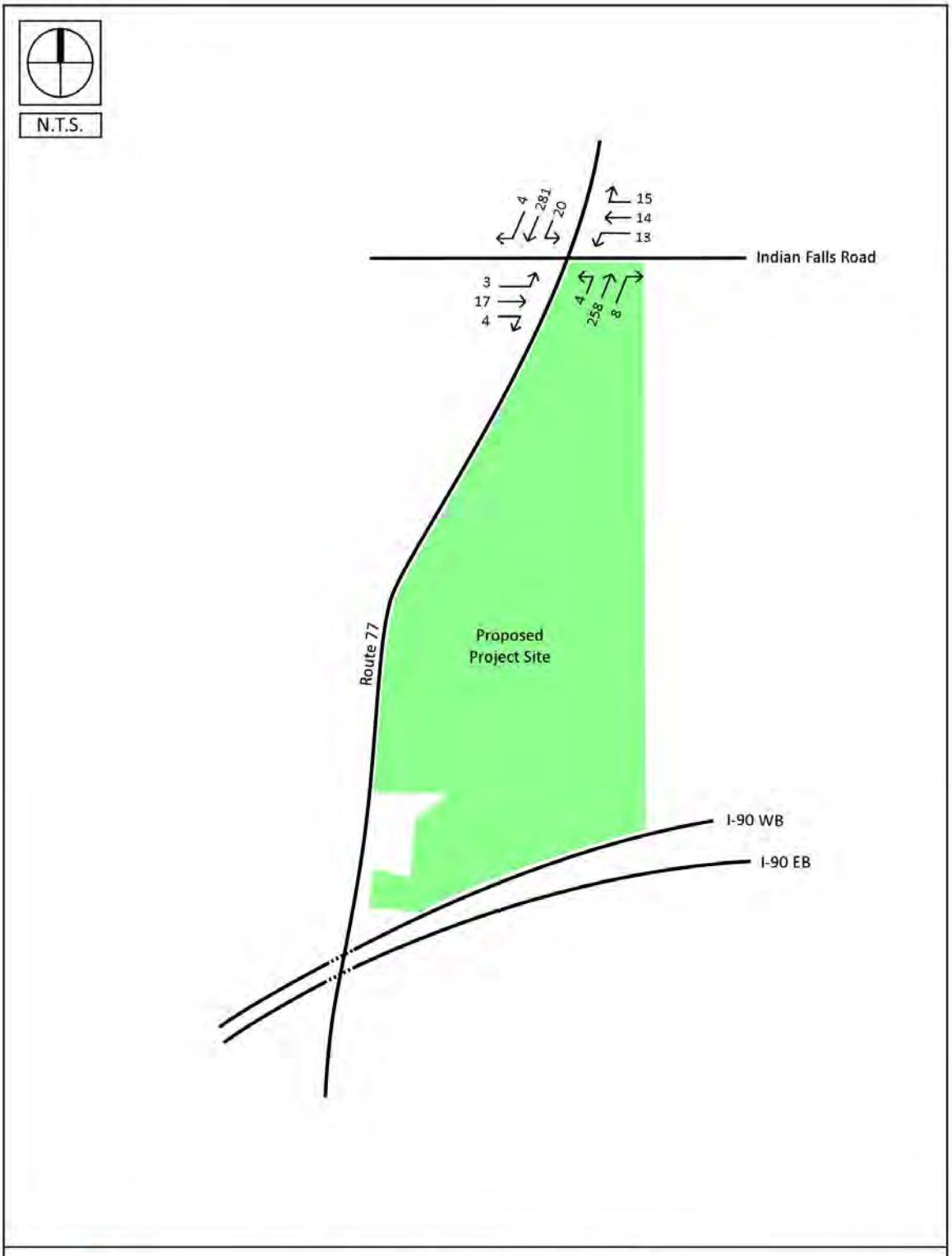
Western New York National Cemetery
Existing Conditions (2015) Traffic Volumes
Morning Study Period

Figure 3



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Western New York National Cemetery
Existing Conditions (2015) Traffic Volumes
Evening Study Period

Figure 4

IV. Background Conditions

This section of the study establishes the base conditions upon which the Cemetery generated traffic will be added to assess proposed (future) conditions and operations.

A. Background Growth

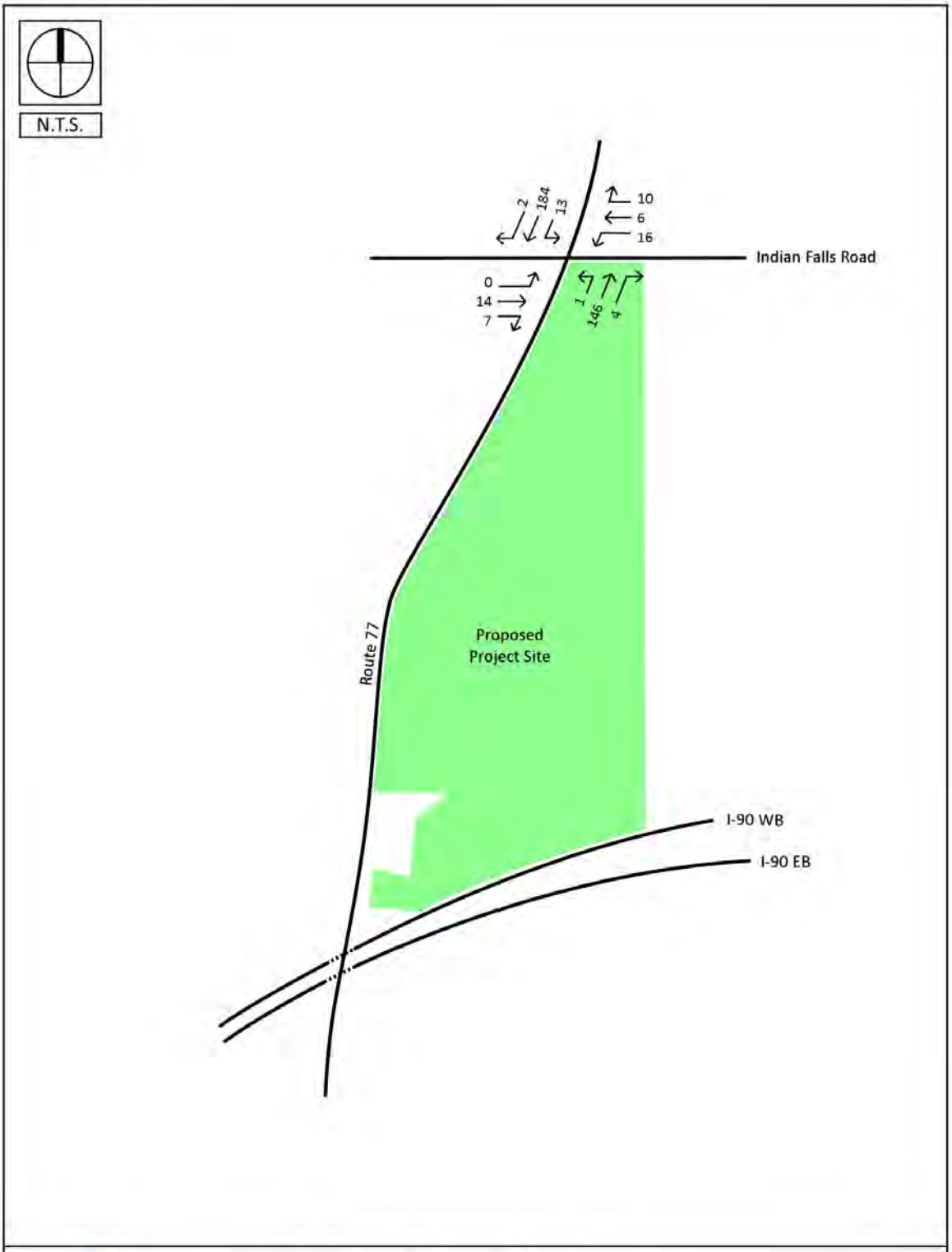
It is anticipated that the National Cemetery will be operational in 2016. However, projected internment rate data provided by the VA identifies 2017 as the year that projected internment rates are expected to be at their highest level of 421. Additionally, the data shows that internment rates are expected to consistently decline in the subsequent 20 years. Therefore, to provide a conservative assessment, background conditions were established for the year 2017.

Based on discussions with NYSDOT, no specifically approved developments or roadway improvements/modifications were identified within the immediate area surrounding the project site. Hence, current Route 77 ADT from April 2015 ATR count data was compared against historic ADT data to develop a straight-line nominal growth rate of 1.5% per year to account for ambient traffic volume growth. As a result, a total of 3% traffic volume growth for 2015 to 2017 was applied to the 2015 Existing Conditions traffic volumes to establish 2017 Background Conditions traffic volumes.

Figure 5 and Figure 6 depict morning and afternoon Background Conditions traffic volumes respectively.

B. Background Operations & Capacity Analysis

The background conditions capacity analysis indicates a Level of Service of 'c' or better for all movements within the study intersection, for both time periods. These results are indicative of a roadway network that is projected to operate without significant capacity constraints well into the immediate future. Capacity analysis summary reports for background conditions are provided in the **Appendix** of this report.



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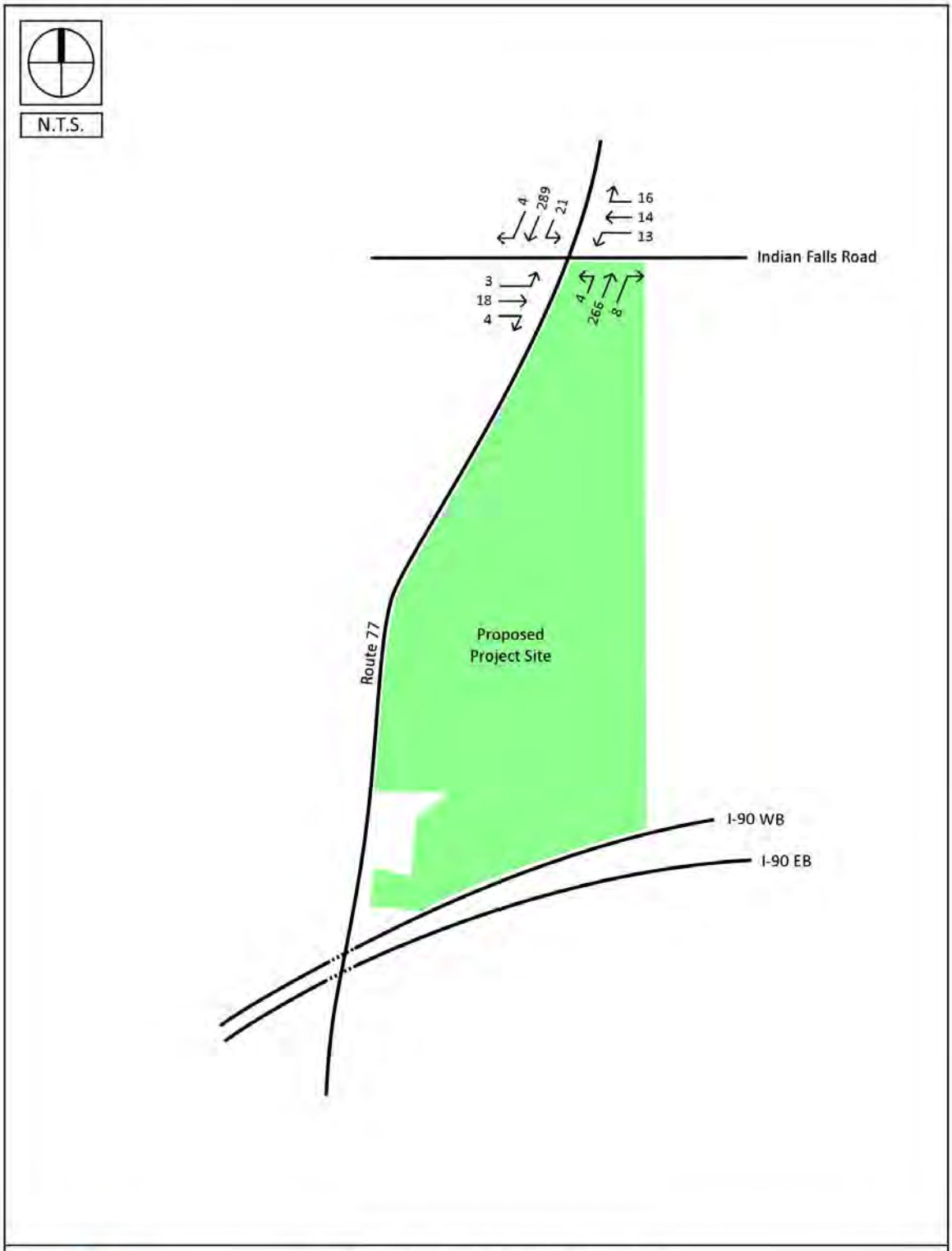
Western New York National Cemetery
Background Conditions (2017) Traffic Volumes
Morning Study Period

Figure 5



Western New York National Cemetery
Background Conditions (2017) Traffic Volumes
Evening Study Period

Figure 6

V. Future Conditions

Under future conditions the study will provide guidance on:

- Access point locations.
- Access point geometry and control recommendations
- Potential speed control measures for Route77 in the vicinity of the project site.

Additionally, a general understanding will be provided on how traffic associated with larger funeral processions and special events may be managed by the VA and in cooperation with the local jurisdictions and authorities.

A. Access Point Sight Distance Evaluation

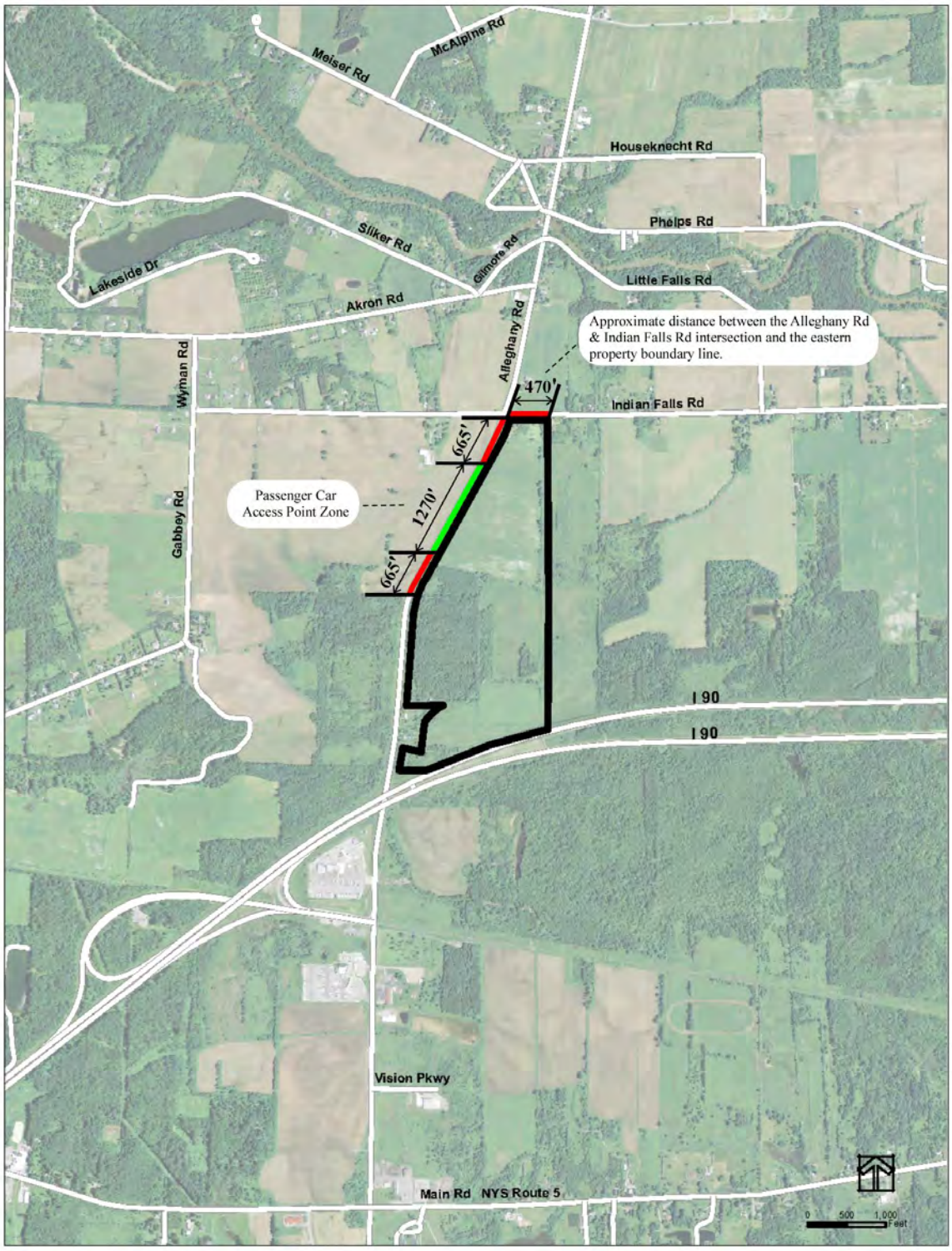
To identify an appropriate zone in which to locate public and service access points, a sight distance evaluation was conducted along the project's property fronting Route 77. Criterion for conducting this evaluation was obtained from ASSHTO's A Policy on Geometric Design of Highways and Streets[3], FHWA's Access Management in the Vicinity of Intersections[4] and NYSDOT's Highway Design Manual[5].

Additionally, based on field observations and project team discussions, it was assumed that:

- Access would be limited to Route 77 at the northern end of the project site
- Access from the project onto Route 77 would not occur within the wooded/wetland area.
- The horizontal curve on Alleghany Road was the sight constraint to the south.
- The intersection of Route 77 and Indian Falls Road was the sight (crest of vertical curve) constraint to the north.
- The estimated functional area of the Route 77 and Indian Falls Road intersection was used to determine the intersection separation constraint.
- The primary vehicle type using the public access point would be a passenger vehicle (car, suv or light truck).
- The primary vehicle type using the service access point would be a utility/maintenance vehicle (heavy duty truck, box truck or single unit truck).

Based on this evaluation, a public access zone of approximately 1,270 feet and a service access zone of approximately 920 feet were identified along Route 77 at the northern end of the project site. **See Figures 7 and 8**.

Additionally, sight distance measurements for a specific service access point were documented at the southern end of the project site. This specific service access point is located in the vicinity of a dirt road/access-way for a billboard sign located along the Thruway. At this specific location, the observed intersection sight distance was greater than the desired intersection and stopping sight distance that was established for determining the service access point zone at the northern end of the project site. **See Figure 9**. A detailed access point sight distance evaluation analysis and support material is contained in the **Appendix** of this report.



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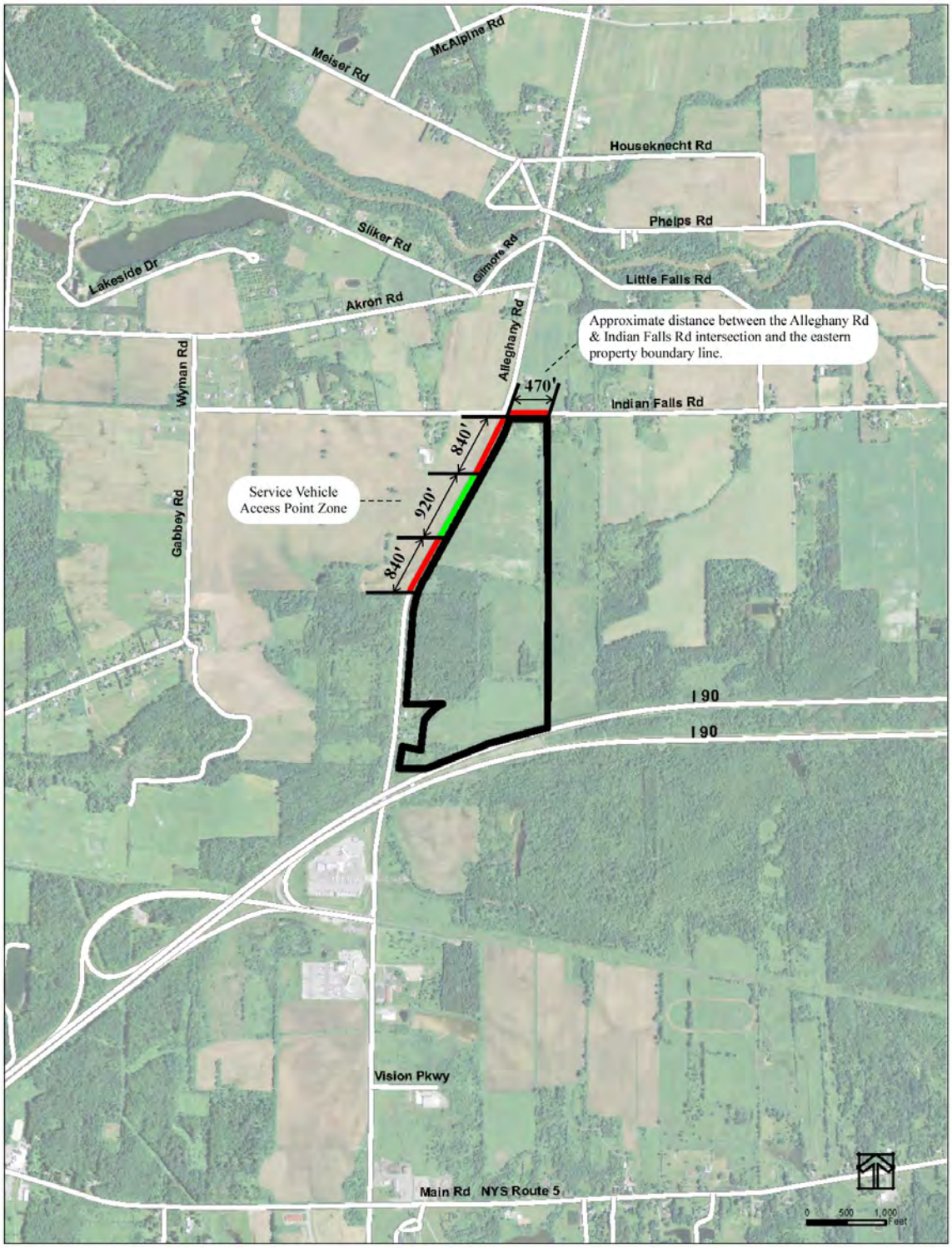
Western New York National Cemetery
Route 77 & Indian Falls Road
Passenger Car Access Point Zone Map

Figure 7



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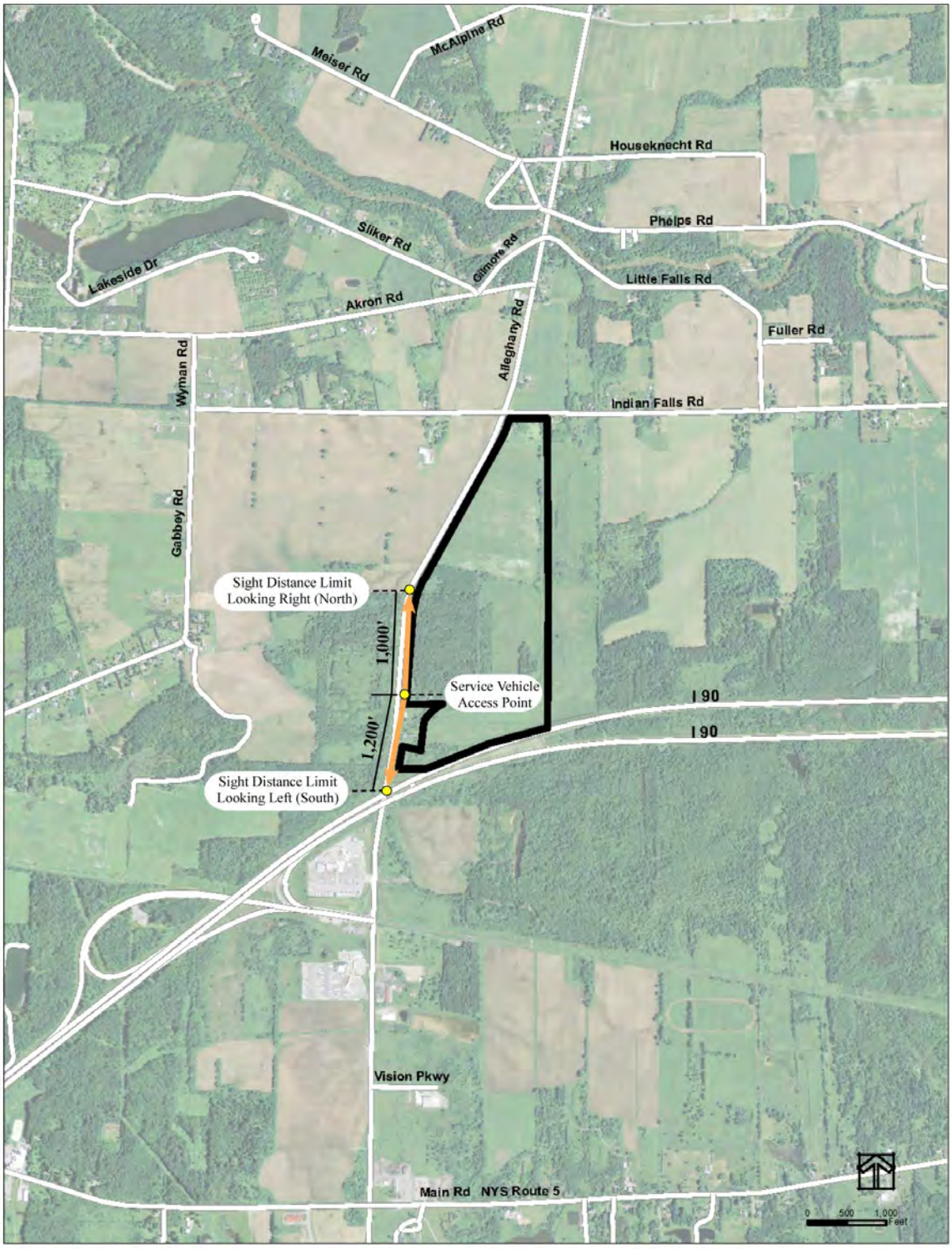
Western New York National Cemetery
Route 77 & Indian Falls Road
Service Vehicle Access Point Zone Map

Figure 8



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Western New York National Cemetery
Route 77 & Indian Falls Road
Service Vehicle Access - Observed Intersection Sight Distance

Figure 9

B. Trip Generation

Site specific trip data for this project was provided by the VA based on their extensive experience with development of similar national cemetery projects and historical knowledge of national cemetery operations.

The national cemetery is expected to have seven (7) employees that are expected to arrive by 8:00 AM and depart by 4:30 PM. On a typical day 3-4 (maximum 6) funeral services will be provided that will generally occur between the hours of 9:00 AM and 3:00 PM, Tuesday thru Thursday. Based on the understanding of existing operations at Indiantown Gap National Cemetery and program information provided by the VA, the average funeral cortege consists of 15 vehicles with the potential of 2 funeral services occurring at the same time. The cemetery site will be designed with an onsite vehicle staging area to accommodate 2 average corteges (30 vehicles). It is anticipated standard-practice escort services will provide sufficient traffic control assistance for these types of daily events.

Trip generation estimates are conservatively based on the assumption that 7 employees and 2 overlapping committal services with corteges of 15 vehicles each will all arrive between 8:00 – 9:00 AM and depart between 3:00-4:00 PM.

Approximately 150 visitors, 2 persons per vehicle, are expected at the cemetery on an average day amounting to 75 vehicle trips. It is assumed that up to 20% (15) of visitors may arrive and depart during the morning study period and up to 40% (30) of visitors may arrive and depart during the afternoon study period.

Table 2 below provides morning and afternoon study period trip generation summary based on the above estimates and assumptions.

Table 2
Summary of Trip Generation

Morning Trip Generation 8:00-9:00 AM		
Trip Generator	Enter	Exit
Employee	7	0
Cortage	30	0
Visitor	10	5
Total	47	5
Afternoon Trip Generation 3:00-4:00 PM		
Trip Generator	Enter	Exit
Employee	0	7
Cortage	30	30
Visitor	10	20
Total	40	57

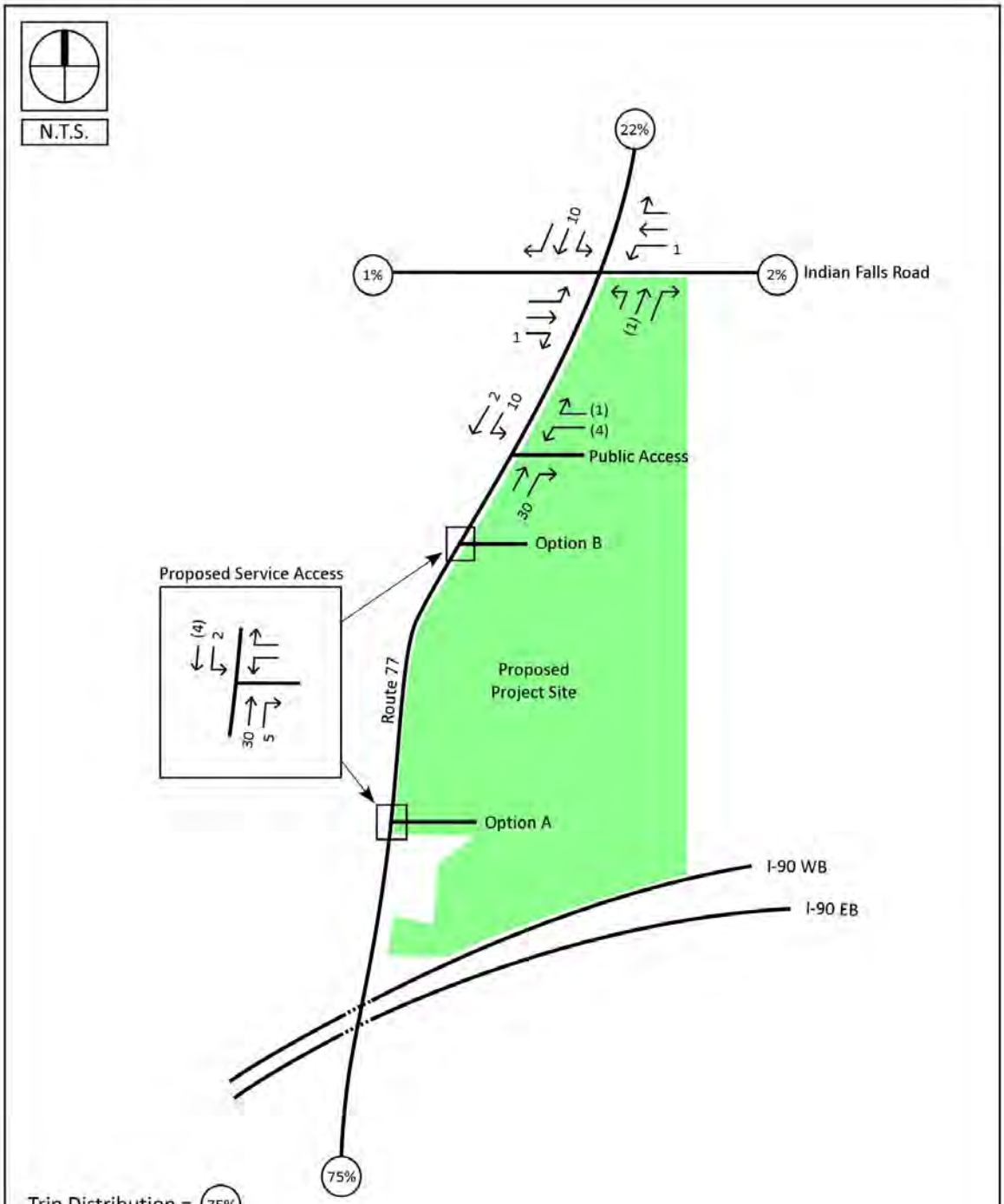
C. Trip Distribution

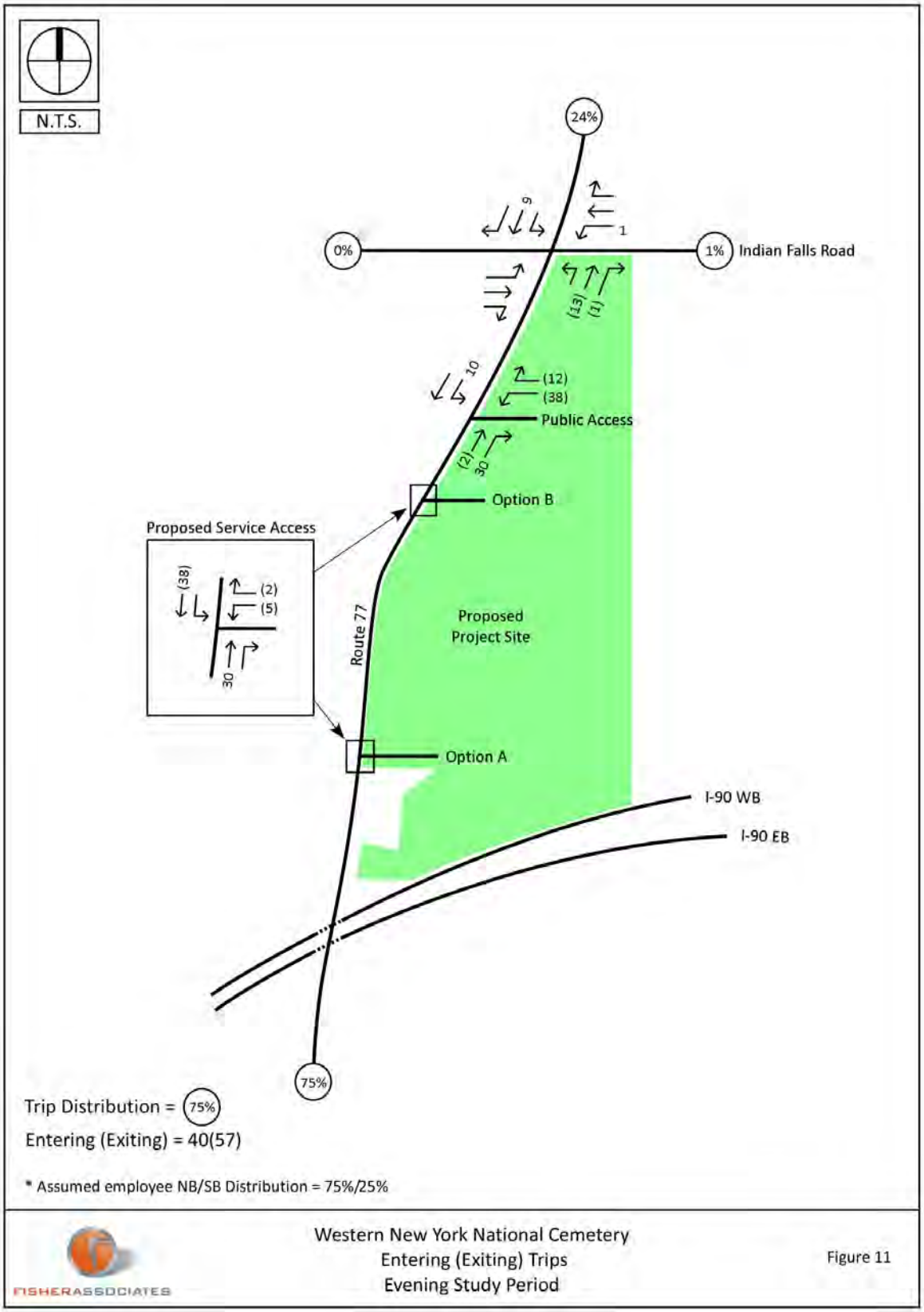
Approximately 1/3rd of mile south of Cemetery site is NYS I-90 Exit 48-Pembroke access is located on Route 77. NYS I-90 is an east-west toll road that stretches across Upstate New York and is expected it will serve a significant percentage of the traffic destined for the Cemetery.

Hence, it is was estimated that 75% of Cemetery trips traveling from and returning to south of the site are expected to travel I-90 Exit-48, and 25% of Cemetery trips travelling from and returning to north of the site are expected to travel through the intersection of Route 77/Indian Falls Road.

Cemetery trips arriving from and returning to north of the site via the Route 77/Indian Falls Road intersection were distributed based on turning movement count volume data collected April 16, 2015. Trips entering and exiting the project site were distributed based on their trip generator categorization (employee, visitor, and cortege) to determine the appropriate trip across the access point distributions.

Morning and afternoon trip distributions in the form of entering and exiting percentages along with actual new trips are provided in **Figure 10** and **Figure 11,** respectively.


N.T.S.
22%
1%
2%
Indian Falls Road
Public Access
Option B
Option A
Proposed Service Access
Proposed
Project Site
Route 77
I-90 WB
I-90 EB
75%
Trip Distribution = 75%
Entering (Exiting) = 47(5)
* Assumed employee NB/SB Distribution = 75%/25%
FISHERASSOCIATES
Western New York National Cemetery
Entering (Exiting) Trips
Morning Study Period
Figure 10


N.T.S.
24%
0%
1%
Indian Falls Road
9
1
(13)
(1)
10
(12)
(38)
Public Access
(2)
30
Option B
Proposed Service Access
(38)
(2)
(5)
30
Route 77
Proposed
Project Site
Option A
I-90 WB
I-90 EB
75%
Trip Distribution = 75%
Entering (Exiting) = 40(57)
* Assumed employee NB/SB Distribution = 75%/25%
FISHERASSOCIATES
Western New York National Cemetery
Entering (Exiting) Trips
Evening Study Period
Figure 11

D. Cemetery Related Operations & Capacity Analysis

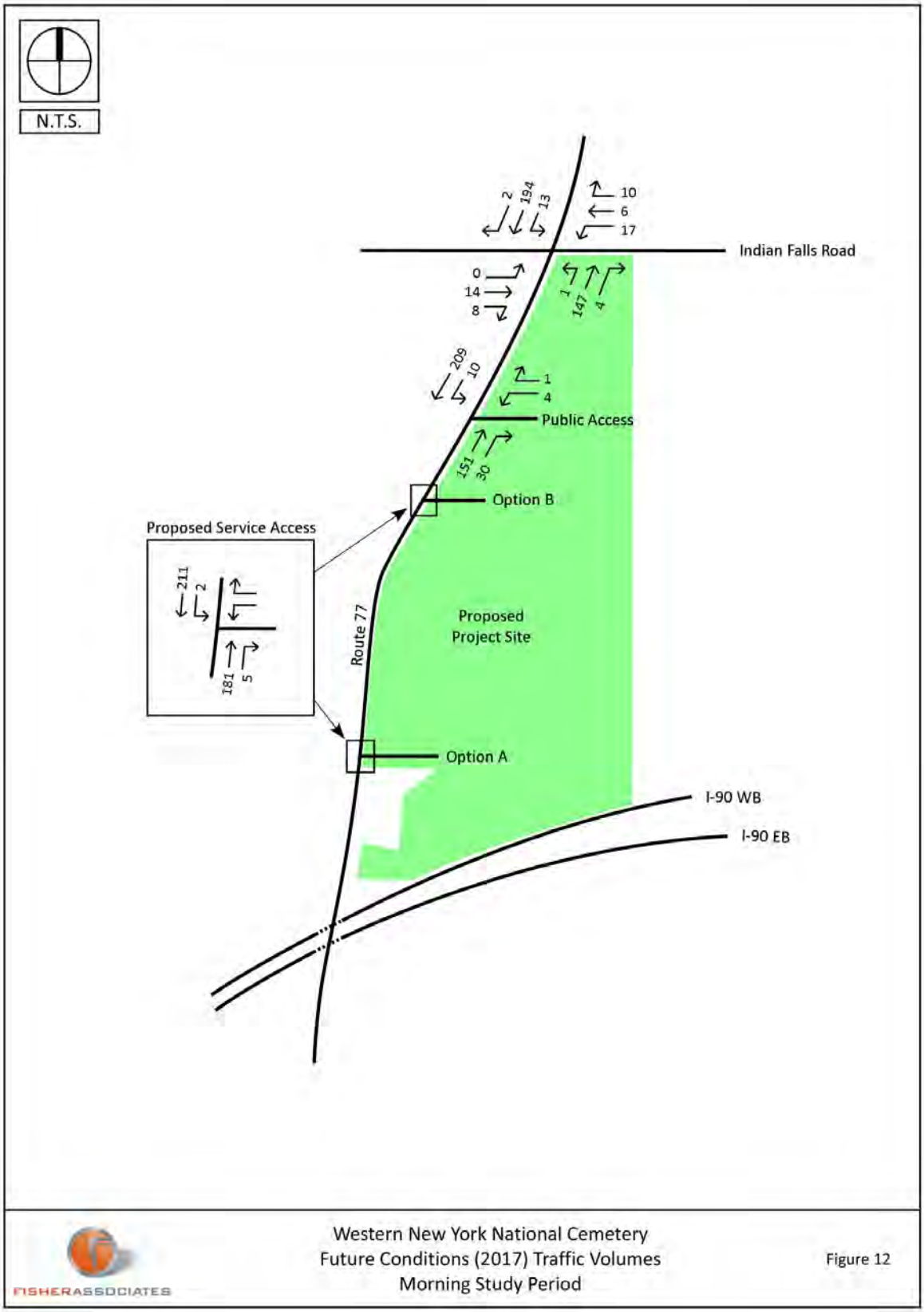
To conduct operational capacity analysis for the intersection of Route77/Indian Falls Road and the Route 77/Public Assess point, the Cemetery's trip generation was applied to background conditions traffic volumes. Future Conditions morning and afternoon traffic volumes are provided in **Figures 12 and 13** respectively.

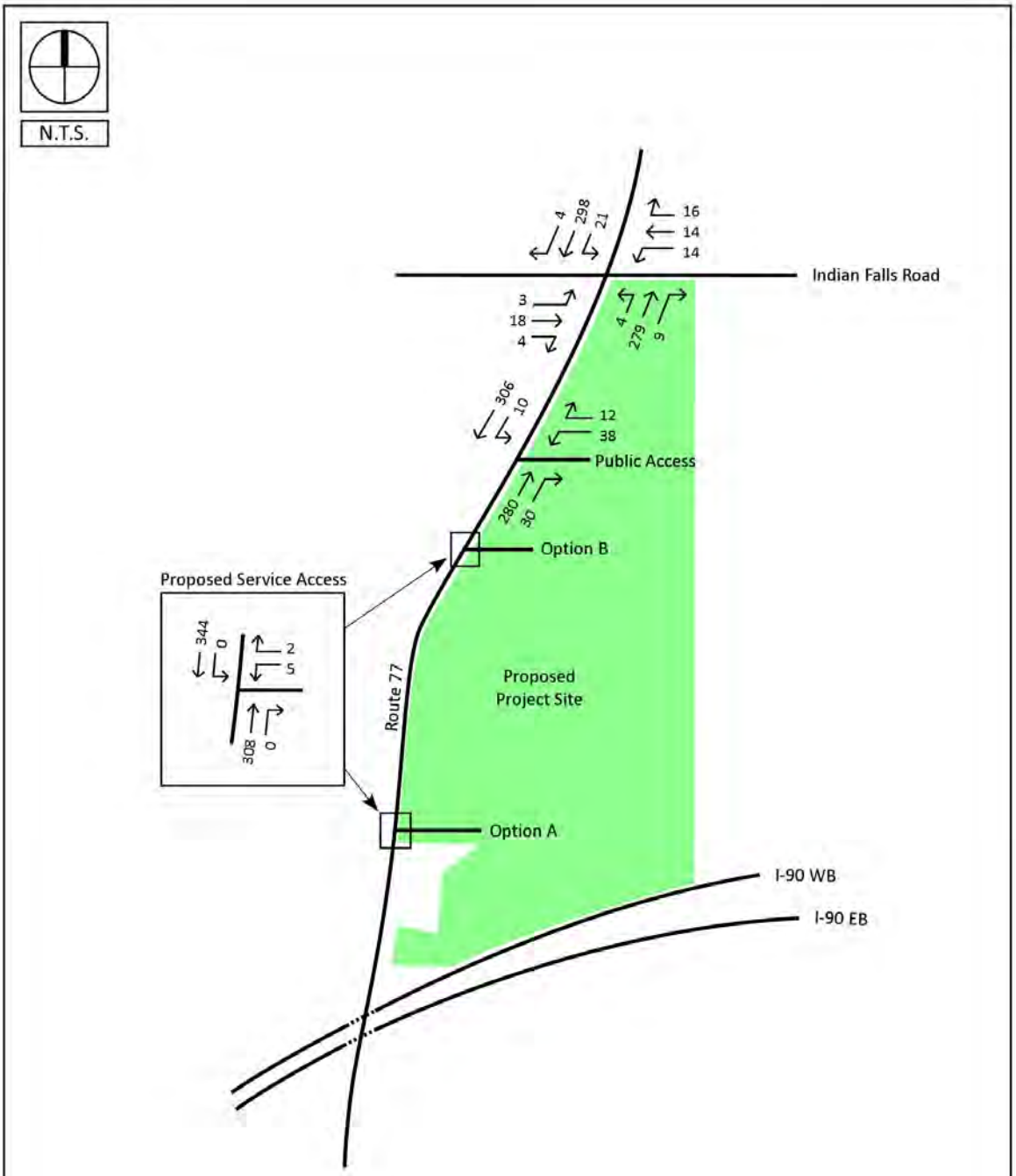
Initially, based on the projected future traffic volumes, the operational capacity analysis assumed the Cemetery's public access would be stop controlled on the Cemetery approach with one lane exiting and one lane entering the property with no left or right turn lanes on Route 77.

Although two locations were identified on Route 77 for a possible service access point, *Option A* - south of the horizontal curve on Route 77, and *Option B* - north of the horizontal curve on Route 77 within the public access zone, a preferred service access location remained under evaluation at the time of this study. *Option A* and *Option B* are both graphically depicted in the traffic volume figures along with the service access trips. It is anticipated that the service access will serve less than 10 vehicles during either of the two study periods on a typical day. Therefore, due to these minimal traffic volumes, the service access point is expected to operate acceptably.

Results of the capacity analysis indicate that all movements within the study intersections are expected to operate at a Level of Service 'c' or better during both analysis hours. Capacity analysis summary reports for proposed conditions are provided in the appendix of this report.

The 2009 edition of the Manual of Uniform Traffic Control Devices (MUTCD) Chapter 4C[6] provides nine signal warrants to evaluate the need for a traffic signal at an intersection. A qualitative review of signal warrants indicated signal control is not applicable at the Route 77/Indian Falls Road intersection or the Route 77/Public Access intersection, which is further supported by the acceptable level of service 'c' or better for side street stop control.


N.T.S.
2
194
13
10
6
17
Indian Falls Road
0
14
8
1
147
4
209
10
1
4
Public Access
151
30
Option B
Proposed Service Access
211
2
181
5
Route 77
Proposed
Project Site
Option A
I-90 WB
I-90 EB
FISHERASSOCIATES
Western New York National Cemetery
Future Conditions (2017) Traffic Volumes
Morning Study Period
Figure 12



Western New York National Cemetery
Future Conditions (2017) Traffic Volumes
Evening Study Period

Figure 13

E. Turn Lane Evaluation – Safety Considerations

As indicated by the operational analysis, left and right turn lanes at the public access point on Route 77 are not necessary to achieve acceptable Levels of Service for the proposed traffic demands related to the more routine/typical weekday Cemetery activities associated with visitors, burial corteges and staffing. A review of the left and right turn lane warrants, contained in the appendix, does indicate the addition of a right turn lane should be considered based on traffic volumes alone. Additionally, given the higher travel speeds on Route 77 coupled with the predominant driver types connected with the Cemetery (older, unfamiliar with the area, and potentially preoccupied by their visit), it is recommended left and right turn lanes be provided on Route 77 at the public access point to reduce the potential for accidents. Given the low traffic volumes at the service entrance and assumed access point operations, it is anticipated left and/or right turn lanes are not warranted.

For the public access point, a review of ASSHTO's Policy on Geometric Design of Highway's and Streets[3] as well as Chapter Five from the NYSDOT Highway Design Manual[5] noted the desirable full deceleration length is 605 feet for a roadway travel speed of 60 MPH. If it is assumed that traffic entering the turn lane has already begun its deceleration by 10 MPH, then the desirable full deceleration length is 425 feet for a roadway travel speed of 50 MPH. These full deceleration lengths are in addition to vehicle storage lengths based on potential vehicle queuing. Since the operational capacity analysis for the public access point did not predict the need for turn lanes to satisfy a capacity constraint, a nominal vehicle queue length of two passenger cars was assumed. This queue length was then correlated to a lane storage length of approximately 75' at the public access point.

These turn lane geometries are provided for guidance purposes. It is recommended, as part of the detailed design process for the access points, that follow up discussions with NYSDOT occur to identify a best-fit set of turn lane geometrics to account for the physical constraints of the roadway network and desirable conditions to accommodate the Cemetery's functions and activities. Capacity analysis summary reports for turn lane evaluation are provided in the **Appendix** of this report.

F. Roundabout Evaluation

Capacity analysis was conducted for roundabouts at the Public access point and Route 77/Indian Falls intersection. Although roundabouts are not necessary to achieve acceptable Levels of Service for the proposed traffic demands related to the more routine/typical weekday Cemetery activities, it is included in this study as an option that may mitigate travel speed and may assist with changing the travelling characteristics of Route 77 within the vicinity of the Cemetery.

Results of the capacity analysis conducted for roundabout evaluation indicate that the study intersections are expected to operate at a Level of Service 'a' during both analysis hours. Capacity analysis summary reports for roundabout evaluation are provided in the **Appendix** of this report.

Should the roundabout option be pursued further, it is recommended an engineering feasibility assessment be conducted to determine specific roundabout geometry and related right-of-way impacts.

G. Rural Road Travel Speed Countermeasures

The Hamlet of Indian Falls located north of the study area has a posted speed limit of 40 MPH on Route 77. As part of the field investigation efforts with NYSDOT, it was noted that an extension of the 40 PMH speed limit in a southerly direction on Route 77, past the project site, is not expected to have an appreciable impact on actual travel speeds and is therefore not recommended. However, additional design considerations and travel speed countermeasures to improve safety and reduced speeds on Route 77 could include:

- Roadway restriping
- Speed limit pavement legend
- Speed feedback signs
- Speed activated feedback warning signs

A more comprehensive list of speed countermeasures provided by the Federal Highway Administration (FHWA) is included in the **Appendix** of the report for reference and consideration with New York State Department of Transportation.

H. Cemetery Events and Special Occasions

Capacity analysis results indicate that the Cemetery operations throughout a typical day will have minimal operational impact on the surrounding roadway network during the study hours. However, there are occasions when funeral processions may be larger than the average 15-vehicle cortege. These typically occur when a funeral service is for an active duty service member who was killed-in-action. To accommodate the expected traffic volumes, the Cemetery Director and the VA have specific procedures and protocols in place, which include coordination with VA police and local municipalities to provide appropriate traffic controls and safety as the procession travels the roadways.

For Memorial Day and Veteran's Day ceremonies the Cemetery can experience an increase visitor demand and attendance. It is acknowledged for these events coordinated traffic control may be necessary and the will work with local authorities on appropriate temporary measures to facilitate these events. Also, because parking within the national cemetery is limited, on such occasions, off-site parking may be arranged with a shuttle service. During busy holidays like Christmas week and Mother's Day weekend when increased visitor volumes occur throughout the day, unlike a scheduled event when visitors arrive at the same time, cemetery staff may coordinate with local authorities to request an increased police presence in the area.

VI. Conclusions

In Summary, the following transportation related recommendations and considerations are provided to accommodate the traffic generation for the Western New York National Cemetery:

- The public access point should be located within the 1270 feet public access zone.
- The service access point should be located either within 920 feet service access zone or located in the vicinity of a dirt road/access-way for a billboard sign located along the Thruway.
- No geometric improvement or modifications to intersection controls were identified for the intersection of Route 77/Indian Falls Road.
- Acceptable levels of service are predicted for the public access point with the Cemetery approach being stop sign controlled with one lane exiting and one lane entering.
- It is recommended left and right turn lanes be provided at the public access point to reduce the potential for accidents. As part of the detailed design process for the access points, follow up discussions with NYSDOT should occur to identify a best-fit set of turn lane geometrics to account for the physical constraints of the roadway network and desirable conditions to accommodate the Cemetery's functions and activities.
- Application of a roundabout at either the public access point or the intersection of Route 77/Indian Falls Road may mitigate travel speed and may assist with changing the travelling characteristics of Route 77 within the vicinity of the Cemetery. Further consideration of this option warrants an engineering feasibility assessment be conducted to determine specific roundabout geometry and related right-of-way impacts.
- Other treatments may be considered in an effort to control travel speeds within the study area, For example, but not limited to:
    - Roadway restriping
    - Speed limit pavement legend
    - Speed feedback signs
    - Advance warning signs

References:

1. Trafficware, Synchro 8 Software.
2. Transportation Research Board. Highway Capacity Manual, Washington, DC, 2010.
3. ASSHTO. A Policy on Geometric Design of Highways and Streets.
4. FHWA. Access Management in the Vicinity of Intersections.
5. NYSDOT. Highway Design Manual.
6. Federal Highway Administration. 2009 Manual on Uniform Traffic Control Devices (MUTCD).
7. Federal Highway Administration. New York State Supplemental to the MUTCD.

APPENDIX

Western New York National Cemetery
Traffic Study

Town of Pembroke, Genesee County
New York

Prepared for:

Department of Veterans Affairs
Office of Construction & Facilities Management -
Washington DC 20001 -

May 11, 2015 -

Prepared by:

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Fisher Associates Project Number: 154013

APPENDIX

Western New York National Cemetery
Traffic Study

TABLE OF CONTENTS

A. TURNING MOVEMENT COUNTS

Western New York National Cemetery
Existing Conditions
Morning Peak Hour

Location: Pembroke, NY
Intersection: Rt 77/Indian Falls Road
Date: Thurday, April 16th, 2015
Counter: MIO TW

File Name : Rt 77 at Indian Falls Wday
Site Code : 01
Start Date : 4/16/2015
Page No : 1

Groups Printed- Cars - Buses - Trucks - Pedestrians

	Alleghany Rd Southbound					Gabbey Rd Westbound					Alleghany Rd Northbound					Indian Falls Rd Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
07:00 AM	1	62	0	0	63	6	2	1	0	9	2	49	1	0	52	0	3	2	0	5	129
07:15 AM	4	74	0	0	78	10	2	2	0	14	0	39	1	0	40	0	1	4	0	5	137
07:30 AM	7	74	1	0	82	6	4	2	0	12	1	35	2	0	38	1	4	5	0	10	142
07:45 AM	6	67	1	0	74	4	0	2	0	6	1	38	1	0	40	0	2	2	0	4	124
Total	18	277	2	0	297	26	8	7	0	41	4	161	5	0	170	1	10	13	0	24	532
08:00 AM	5	52	1	0	58	3	1	4	0	8	0	25	0	0	25	0	3	2	0	5	96
08:15 AM	2	61	0	0	63	6	1	0	0	7	1	39	1	0	41	0	3	3	0	6	117
08:30 AM	1	36	1	0	38	3	3	1	0	7	0	40	1	0	41	0	5	1	0	6	92
08:45 AM	5	29	0	0	34	3	1	5	0	9	0	38	2	0	40	0	2	1	0	3	86
Total	13	178	2	0	193	15	6	10	0	31	1	142	4	0	147	0	13	7	0	20	391
09:00 AM	5	34	0	0	39	1	1	3	0	5	2	35	3	0	40	0	1	0	0	1	85
09:15 AM	0	36	0	0	36	2	3	2	0	7	0	29	3	0	32	0	1	1	0	2	77
09:30 AM	3	30	0	0	33	3	0	2	0	5	0	43	0	0	43	0	1	0	0	1	82
09:45 AM	2	53	0	0	55	2	0	5	0	7	0	42	2	0	44	0	0	1	0	1	107
Total	10	153	0	0	163	8	4	12	0	24	2	149	8	0	159	0	3	2	0	5	351
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 AM	3	63	0	0	66	1	2	2	0	5	1	50	1	0	52	1	0	1	0	2	125
11:15 AM	3	52	0	0	55	2	5	2	0	9	0	44	0	0	44	0	2	4	0	6	114
11:30 AM	5	42	0	0	47	1	3	1	0	5	1	45	1	0	47	1	3	0	0	4	103
11:45 AM	4	59	0	0	63	2	3	3	0	8	0	48	0	0	48	0	1	2	0	3	122
Total	15	216	0	0	231	6	13	8	0	27	2	187	2	0	191	2	6	7	0	15	464
12:00 PM	6	42	0	0	48	3	1	2	0	6	0	48	1	0	49	0	1	0	0	1	104
12:15 PM	8	50	1	0	59	3	3	2	0	8	2	55	2	0	59	1	1	0	0	2	128
12:30 PM	3	62	1	0	66	1	0	1	0	2	3	45	0	0	48	0	0	1	0	1	117
12:45 PM	1	41	0	0	42	2	1	2	0	5	3	61	1	0	65	2	3	2	0	7	119
Total	18	195	2	0	215	9	5	7	0	21	8	209	4	0	221	3	5	3	0	11	468
01:00 PM	4	45	0	0	49	2	2	0	0	4	2	39	1	0	42	1	2	0	0	3	98
01:15 PM	5	58	1	0	64	3	1	3	0	7	1	49	0	0	50	0	1	0	0	1	122
01:30 PM	7	53	1	0	61	0	2	4	0	6	3	49	1	0	53	2	1	2	0	5	125
01:45 PM	4	57	0	0	61	3	2	7	0	12	1	40	3	0	44	0	3	2	0	5	122
Total	20	213	2	0	235	8	7	14	0	29	7	177	5	0	189	3	7	4	0	14	467
02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00 PM	6	57	1	0	64	1	6	5	0	12	0	69	2	0	71	0	8	1	0	9	156
03:15 PM	3	78	1	0	82	3	3	3	0	9	1	60	2	0	63	1	2	0	0	3	157
03:30 PM	6	68	0	0	74	5	5	4	0	14	2	58	2	0	62	1	2	1	0	4	154
03:45 PM	5	78	2	0	85	4	0	3	0	7	1	71	2	0	74	1	5	2	0	8	174
Total	20	281	4	0	305	13	14	15	0	42	4	258	8	0	270	3	17	4	0	24	641
04:00 PM	3	81	0	0	84	1	3	4	0	8	1	73	5	0	79	0	3	4	0	7	178
04:15 PM	6	75	1	0	82	3	5	7	0	15	1	76	7	0	84	0	3	1	0	4	185
04:30 PM	7	65	0	0	72	4	1	4	0	9	0	90	5	0	95	0	2	1	0	3	179
04:45 PM	5	49	1	0	55	2	3	6	0	11	3	66	7	0	76	0	5	1	0	6	148
Total	21	270	2	0	293	10	12	21	0	43	5	305	24	0	334	0	13	7	0	20	690
05:00 PM	5	46	0	0	51	2	1	1	0	4	1	78	5	0	84	0	2	1	0	3	142
05:15 PM	1	52	0	0	53	1	5	7	0	13	4	78	2	0	84	0	6	4	0	10	160
05:30 PM	6	67	0	0	73	2	2	4	0	8	3	70	5	0	78	2	5	2	0	9	168
05:45 PM	3	46	0	0	49	2	4	3	0	9	2	68	3	0	73	0	2	2	0	4	135
Total	15	211	0	0	226	7	12	15	0	34	10	294	15	0	319	2	15	9	0	26	605

Western New York National Cemetery
Existing Conditions
Morning Peak Hour

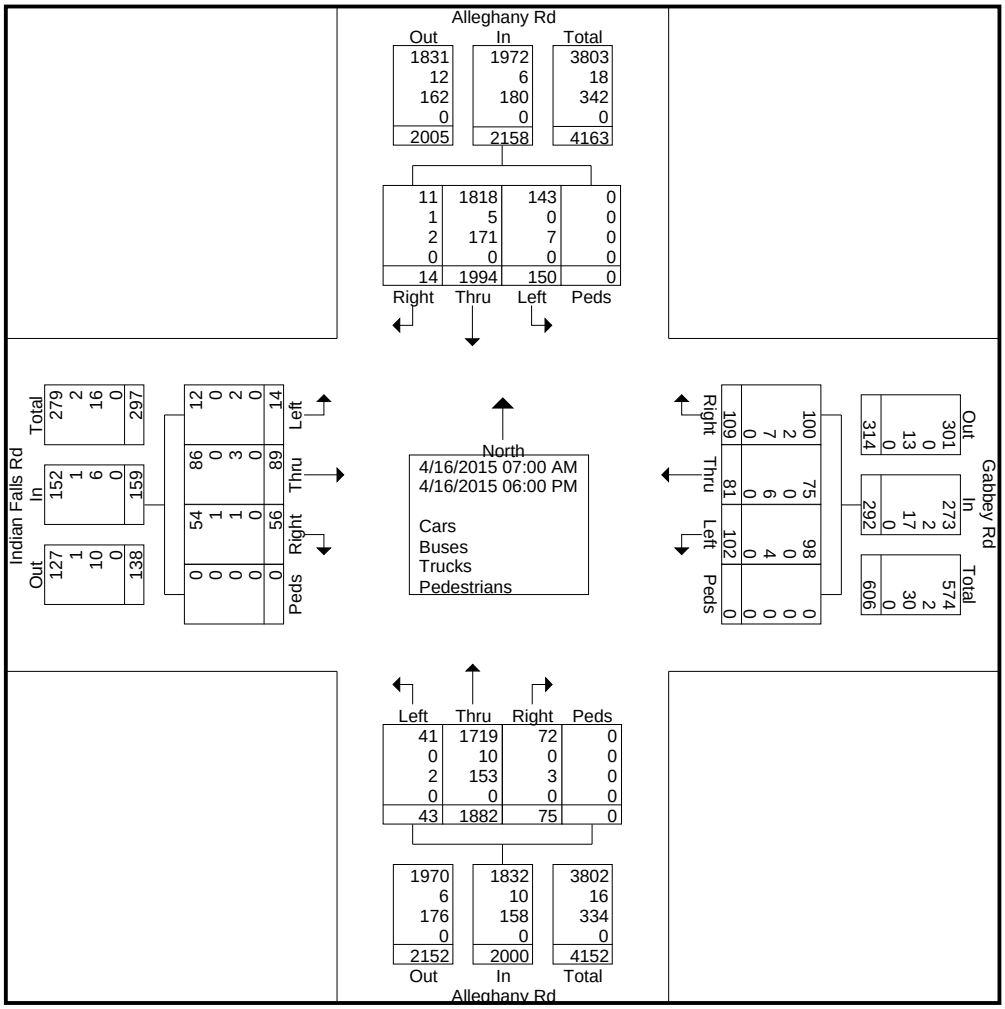
File Name : Rt 77 at Indian Falls Wday
Site Code : 01
Start Date : 4/16/2015
Page No : 2

Groups Printed- Cars - Buses - Trucks - Pedestrians

	Alleghany Rd Southbound					Gabbey Rd Westbound					Alleghany Rd Northbound					Indian Falls Rd Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	150	1994	14	0	2158	102	81	109	0	292	43	1882	75	0	2000	14	89	56	0	159	4609
Apprch %	7	92.4	0.6	0		34.9	27.7	37.3	0		2.2	94.1	3.8	0		8.8	56	35.2	0		
Total %	3.3	43.3	0.3	0	46.8	2.2	1.8	2.4	0	6.3	0.9	40.8	1.6	0	43.4	0.3	1.9	1.2	0	3.4	
Cars	143	1818	11	0	1972	98	75	100	0	273	41	1719	72	0	1832	12	86	54	0	152	4229
% Cars	95.3	91.2	78.6	0	91.4	96.1	92.6	91.7	0	93.5	95.3	91.3	96	0	91.6	85.7	96.6	96.4	0	95.6	91.8
Buses	0	5	1	0	6	0	0	2	0	2	0	10	0	0	10	0	0	1	0	1	19
% Buses	0	0.3	7.1	0	0.3	0	0	1.8	0	0.7	0	0.5	0	0	0.5	0	0	1.8	0	0.6	0.4
Trucks	7	171	2	0	180	4	6	7	0	17	2	153	3	0	158	2	3	1	0	6	361
% Trucks	4.7	8.6	14.3	0	8.3	3.9	7.4	6.4	0	5.8	4.7	8.1	4	0	7.9	14.3	3.4	1.8	0	3.8	7.8
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Western New York National Cemetery
Existing Conditions
Morning Peak Hour

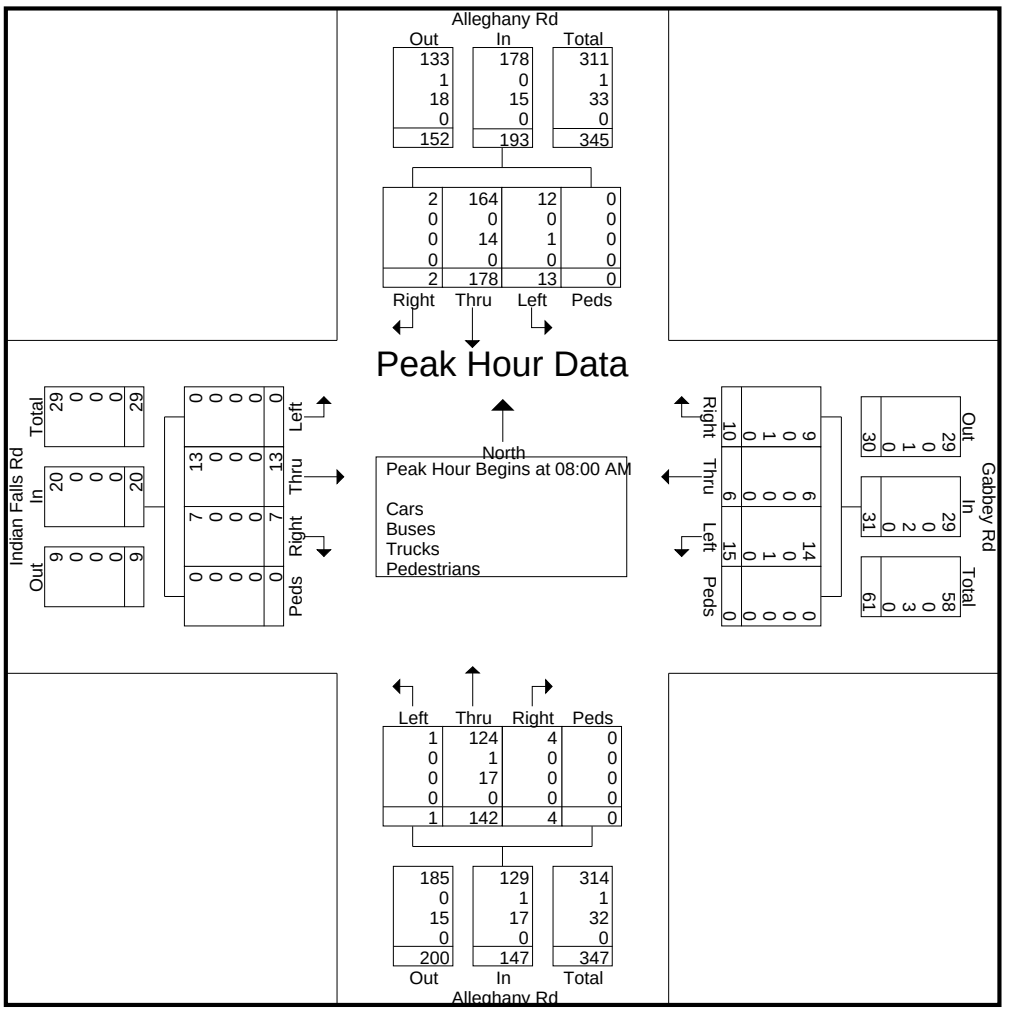
File Name : Rt 77 at Indian Falls Wday
Site Code : 01
Start Date : 4/16/2015
Page No : 3



Western New York National Cemetery
Existing Conditions
Morning Peak Hour

File Name : Rt 77 at Indian Falls Wday
Site Code : 01
Start Date : 4/16/2015
Page No : 4

	Alleghany Rd Southbound					Gabbey Rd Westbound					Alleghany Rd Northbound					Indian Falls Rd Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 08:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	5	52	1	0	58	3	1	4	0	8	0	25	0	0	25	0	3	2	0	5	96
08:15 AM	2	61	0	0	63	6	1	0	0	7	1	39	1	0	41	0	3	3	0	6	117
08:30 AM	1	36	1	0	38	3	3	1	0	7	0	40	1	0	41	0	5	1	0	6	92
08:45 AM	5	29	0	0	34	3	1	5	0	9	0	38	2	0	40	0	2	1	0	3	86
Total Volume	13	178	2	0	193	15	6	10	0	31	1	142	4	0	147	0	13	7	0	20	391
% App. Total	6.7	92.2	1	0		48.4	19.4	32.3	0		0.7	96.6	2.7	0		0	65	35	0		
PHF	.650	.730	.500	.000	.766	.625	.500	.500	.000	.861	.250	.888	.500	.000	.896	.000	.650	.583	.000	.833	.835
Cars	12	164	2	0	178	14	6	9	0	29	1	124	4	0	129	0	13	7	0	20	356
% Cars	92.3	92.1	100	0	92.2	93.3	100	90.0	0	93.5	100	87.3	100	0	87.8	0	100	100	0	100	91.0
Buses	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
% Buses	0	0	0	0	0	0	0	0	0	0	0	0.7	0	0	0.7	0	0	0	0	0	0.3
Trucks	1	14	0	0	15	1	0	1	0	2	0	17	0	0	17	0	0	0	0	0	34
% Trucks	7.7	7.9	0	0	7.8	6.7	0	10.0	0	6.5	0	12.0	0	0	11.6	0	0	0	0	0	8.7
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Western New York National Cemetery
Existing Conditions
Evening Peak Hour

Location: Pembroke, NY
Intersection: Rt 77/Indian Falls Road
Date: Thurday, April 16th, 2015
Counter: MIO TW

File Name : Rt 77 at Indian Falls Wday
Site Code : 01
Start Date : 4/16/2015
Page No : 1

Groups Printed- Cars - Buses - Trucks - Pedestrians

	Alleghany Rd Southbound					Gabbey Rd Westbound					Alleghany Rd Northbound					Indian Falls Rd Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
07:00 AM	1	62	0	0	63	6	2	1	0	9	2	49	1	0	52	0	3	2	0	5	129
07:15 AM	4	74	0	0	78	10	2	2	0	14	0	39	1	0	40	0	1	4	0	5	137
07:30 AM	7	74	1	0	82	6	4	2	0	12	1	35	2	0	38	1	4	5	0	10	142
07:45 AM	6	67	1	0	74	4	0	2	0	6	1	38	1	0	40	0	2	2	0	4	124
Total	18	277	2	0	297	26	8	7	0	41	4	161	5	0	170	1	10	13	0	24	532
08:00 AM	5	52	1	0	58	3	1	4	0	8	0	25	0	0	25	0	3	2	0	5	96
08:15 AM	2	61	0	0	63	6	1	0	0	7	1	39	1	0	41	0	3	3	0	6	117
08:30 AM	1	36	1	0	38	3	3	1	0	7	0	40	1	0	41	0	5	1	0	6	92
08:45 AM	5	29	0	0	34	3	1	5	0	9	0	38	2	0	40	0	2	1	0	3	86
Total	13	178	2	0	193	15	6	10	0	31	1	142	4	0	147	0	13	7	0	20	391
09:00 AM	5	34	0	0	39	1	1	3	0	5	2	35	3	0	40	0	1	0	0	1	85
09:15 AM	0	36	0	0	36	2	3	2	0	7	0	29	3	0	32	0	1	1	0	2	77
09:30 AM	3	30	0	0	33	3	0	2	0	5	0	43	0	0	43	0	1	0	0	1	82
09:45 AM	2	53	0	0	55	2	0	5	0	7	0	42	2	0	44	0	0	1	0	1	107
Total	10	153	0	0	163	8	4	12	0	24	2	149	8	0	159	0	3	2	0	5	351
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 AM	3	63	0	0	66	1	2	2	0	5	1	50	1	0	52	1	0	1	0	2	125
11:15 AM	3	52	0	0	55	2	5	2	0	9	0	44	0	0	44	0	2	4	0	6	114
11:30 AM	5	42	0	0	47	1	3	1	0	5	1	45	1	0	47	1	3	0	0	4	103
11:45 AM	4	59	0	0	63	2	3	3	0	8	0	48	0	0	48	0	1	2	0	3	122
Total	15	216	0	0	231	6	13	8	0	27	2	187	2	0	191	2	6	7	0	15	464
12:00 PM	6	42	0	0	48	3	1	2	0	6	0	48	1	0	49	0	1	0	0	1	104
12:15 PM	8	50	1	0	59	3	3	2	0	8	2	55	2	0	59	1	1	0	0	2	128
12:30 PM	3	62	1	0	66	1	0	1	0	2	3	45	0	0	48	0	0	1	0	1	117
12:45 PM	1	41	0	0	42	2	1	2	0	5	3	61	1	0	65	2	3	2	0	7	119
Total	18	195	2	0	215	9	5	7	0	21	8	209	4	0	221	3	5	3	0	11	468
01:00 PM	4	45	0	0	49	2	2	0	0	4	2	39	1	0	42	1	2	0	0	3	98
01:15 PM	5	58	1	0	64	3	1	3	0	7	1	49	0	0	50	0	1	0	0	1	122
01:30 PM	7	53	1	0	61	0	2	4	0	6	3	49	1	0	53	2	1	2	0	5	125
01:45 PM	4	57	0	0	61	3	2	7	0	12	1	40	3	0	44	0	3	2	0	5	122
Total	20	213	2	0	235	8	7	14	0	29	7	177	5	0	189	3	7	4	0	14	467
02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00 PM	6	57	1	0	64	1	6	5	0	12	0	69	2	0	71	0	8	1	0	9	156
03:15 PM	3	78	1	0	82	3	3	3	0	9	1	60	2	0	63	1	2	0	0	3	157
03:30 PM	6	68	0	0	74	5	5	4	0	14	2	58	2	0	62	1	2	1	0	4	154
03:45 PM	5	78	2	0	85	4	0	3	0	7	1	71	2	0	74	1	5	2	0	8	174
Total	20	281	4	0	305	13	14	15	0	42	4	258	8	0	270	3	17	4	0	24	641
04:00 PM	3	81	0	0	84	1	3	4	0	8	1	73	5	0	79	0	3	4	0	7	178
04:15 PM	6	75	1	0	82	3	5	7	0	15	1	76	7	0	84	0	3	1	0	4	185
04:30 PM	7	65	0	0	72	4	1	4	0	9	0	90	5	0	95	0	2	1	0	3	179
04:45 PM	5	49	1	0	55	2	3	6	0	11	3	66	7	0	76	0	5	1	0	6	148
Total	21	270	2	0	293	10	12	21	0	43	5	305	24	0	334	0	13	7	0	20	690
05:00 PM	5	46	0	0	51	2	1	1	0	4	1	78	5	0	84	0	2	1	0	3	142
05:15 PM	1	52	0	0	53	1	5	7	0	13	4	78	2	0	84	0	6	4	0	10	160
05:30 PM	6	67	0	0	73	2	2	4	0	8	3	70	5	0	78	2	5	2	0	9	168
05:45 PM	3	46	0	0	49	2	4	3	0	9	2	68	3	0	73	0	2	2	0	4	135
Total	15	211	0	0	226	7	12	15	0	34	10	294	15	0	319	2	15	9	0	26	605

Western New York National Cemetery
Existing Conditions
Evening Peak Hour

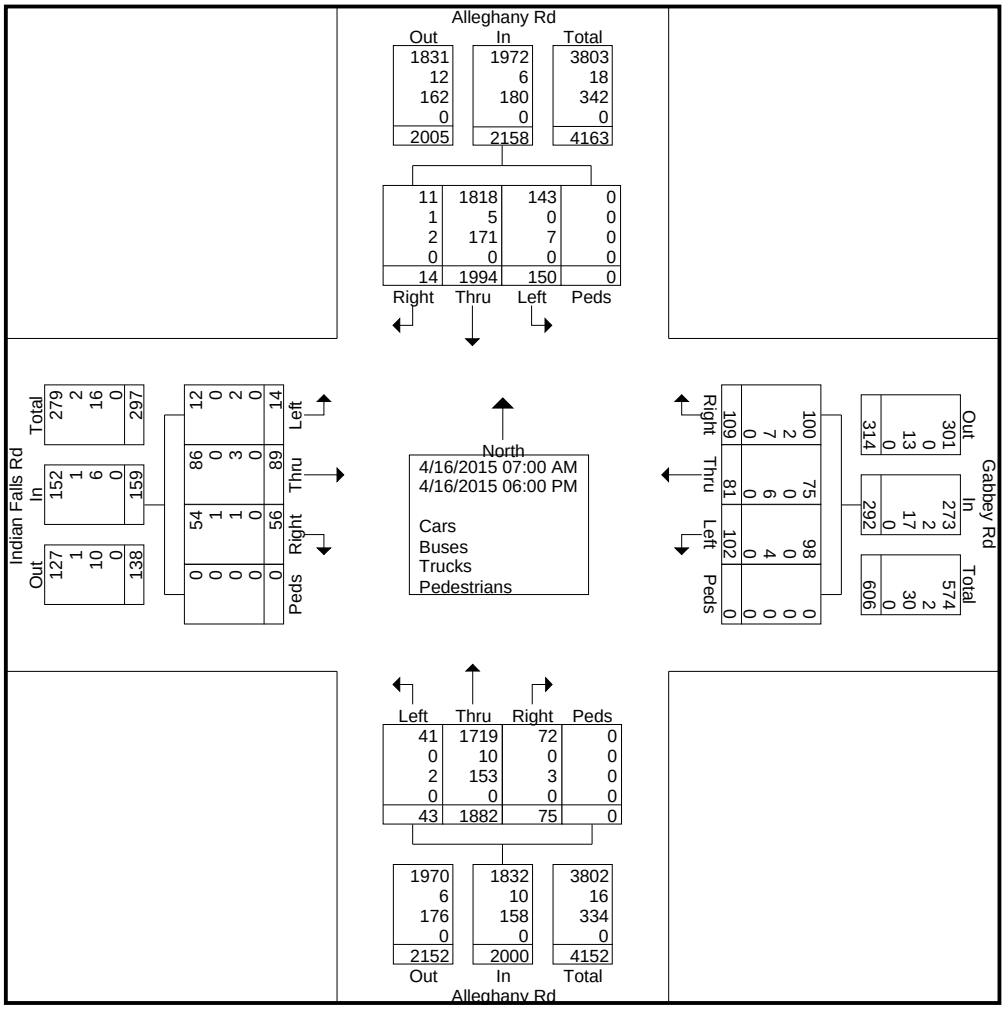
File Name : Rt 77 at Indian Falls Wday
Site Code : 01
Start Date : 4/16/2015
Page No : 2

Groups Printed- Cars - Buses - Trucks - Pedestrians

	Alleghany Rd Southbound					Gabbey Rd Westbound					Alleghany Rd Northbound					Indian Falls Rd Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	150	1994	14	0	2158	102	81	109	0	292	43	1882	75	0	2000	14	89	56	0	159	4609
Apprch %	7	92.4	0.6	0		34.9	27.7	37.3	0		2.2	94.1	3.8	0		8.8	56	35.2	0		
Total %	3.3	43.3	0.3	0	46.8	2.2	1.8	2.4	0	6.3	0.9	40.8	1.6	0	43.4	0.3	1.9	1.2	0	3.4	
Cars	143	1818	11	0	1972	98	75	100	0	273	41	1719	72	0	1832	12	86	54	0	152	4229
% Cars	95.3	91.2	78.6	0	91.4	96.1	92.6	91.7	0	93.5	95.3	91.3	96	0	91.6	85.7	96.6	96.4	0	95.6	91.8
Buses	0	5	1	0	6	0	0	2	0	2	0	10	0	0	10	0	0	1	0	1	19
% Buses	0	0.3	7.1	0	0.3	0	0	1.8	0	0.7	0	0.5	0	0	0.5	0	0	1.8	0	0.6	0.4
Trucks	7	171	2	0	180	4	6	7	0	17	2	153	3	0	158	2	3	1	0	6	361
% Trucks	4.7	8.6	14.3	0	8.3	3.9	7.4	6.4	0	5.8	4.7	8.1	4	0	7.9	14.3	3.4	1.8	0	3.8	7.8
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Western New York National Cemetery
Existing Conditions
Evening Peak Hour

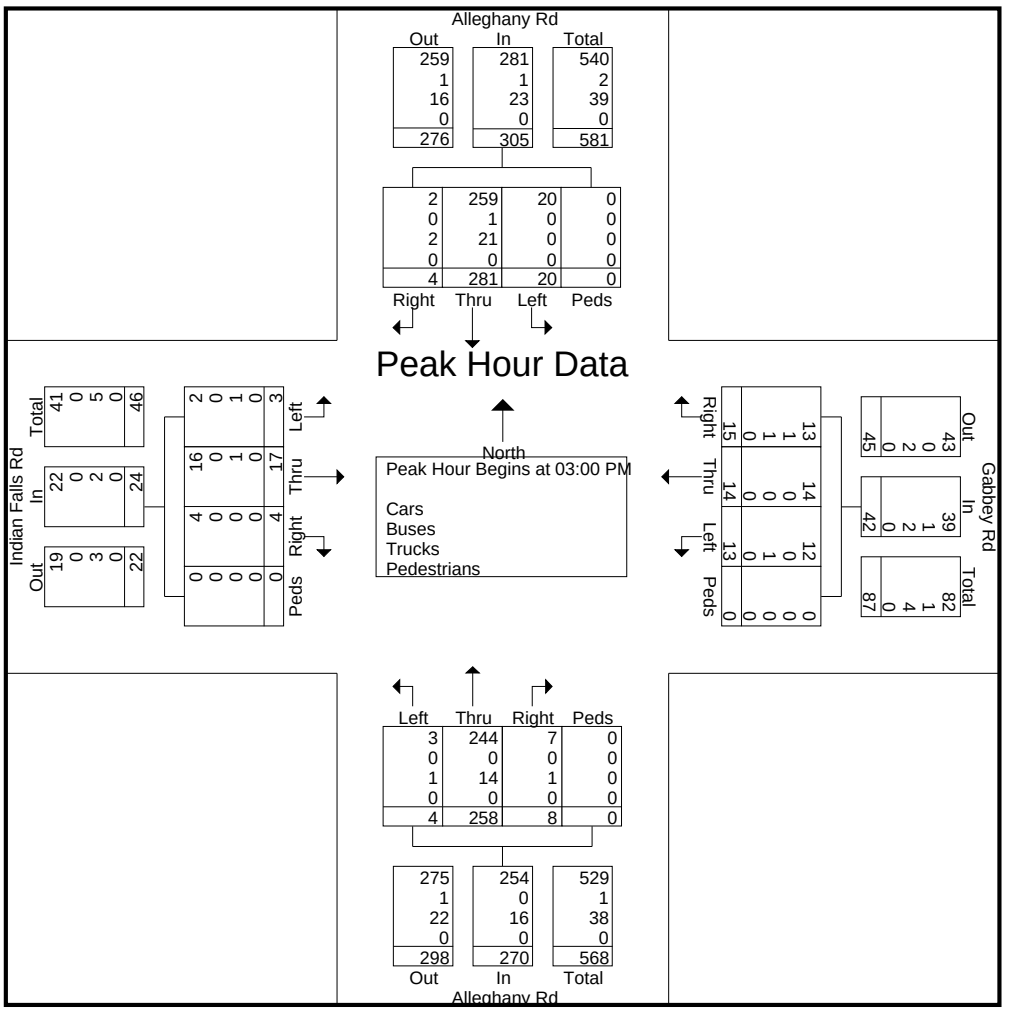
File Name : Rt 77 at Indian Falls Wday
Site Code : 01
Start Date : 4/16/2015
Page No : 3



Western New York National Cemetery
Existing Conditions
Evening Peak Hour

File Name : Rt 77 at Indian Falls Wday
Site Code : 01
Start Date : 4/16/2015
Page No : 4

	Alleghany Rd Southbound					Gabbey Rd Westbound					Alleghany Rd Northbound					Indian Falls Rd Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 03:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:00 PM																					
03:00 PM	6	57	1	0	64	1	6	5	0	12	0	69	2	0	71	0	8	1	0	9	156
03:15 PM	3	78	1	0	82	3	3	3	0	9	1	60	2	0	63	1	2	0	0	3	157
03:30 PM	6	68	0	0	74	5	5	4	0	14	2	58	2	0	62	1	2	1	0	4	154
03:45 PM	5	78	2	0	85	4	0	3	0	7	1	71	2	0	74	1	5	2	0	8	174
Total Volume	20	281	4	0	305	13	14	15	0	42	4	258	8	0	270	3	17	4	0	24	641
% App. Total	6.6	92.1	1.3	0		31	33.3	35.7	0		1.5	95.6	3	0		12.5	70.8	16.7	0		
PHF	.833	.901	.500	.000	.897	.650	.583	.750	.000	.750	.500	.908	1.000	.000	.912	.750	.531	.500	.000	.667	.921
Cars	20	259	2	0	281	12	14	13	0	39	3	244	7	0	254	2	16	4	0	22	596
% Cars	100	92.2	50.0	0	92.1	92.3	100	86.7	0	92.9	75.0	94.6	87.5	0	94.1	66.7	94.1	100	0	91.7	93.0
Buses	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
% Buses	0	0.4	0	0	0.3	0	0	6.7	0	2.4	0	0	0	0	0	0	0	0	0	0	0.3
Trucks	0	21	2	0	23	1	0	1	0	2	1	14	1	0	16	1	1	0	0	2	43
% Trucks	0	7.5	50.0	0	7.5	7.7	0	6.7	0	4.8	25.0	5.4	12.5	0	5.9	33.3	5.9	0	0	8.3	6.7
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



B. ATR DATA – SUMMARY SPREADSHEETS

ROUTE 77 -
INDIAN FALLS ROAD -

ROUTE 77 -

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Start	13-Apr-15		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
Time	Nb	Sb	Nb	Sb	Nb	Sb	Nb	Sb	Nb	Sb	Nb	Sb	Nb	Sb	Nb	Sb
12:00 AM	*	*	*	*	*	*	31	18	22	13	48	30	42	30	36	23
01:00	*	*	*	*	*	*	12	2	24	4	37	18	42	15	29	10
02:00	*	*	*	*	*	*	14	8	12	11	9	17	15	16	12	13
03:00	*	*	*	*	*	*	11	18	3	20	11	14	11	23	9	19
04:00	*	*	*	*	*	*	10	29	11	33	14	15	9	7	11	21
05:00	*	*	*	*	*	*	56	90	64	95	26	43	30	21	44	62
06:00	*	*	*	*	*	*	123	211	138	194	75	86	42	47	94	134
07:00	*	*	*	*	*	*	172	**314**	167	**298**	83	148	50	90	118	212
08:00	*	*	*	*	*	*	148	203	143	236	166	231	120	152	144	206
09:00	*	*	*	*	*	*	155	164	161	189	218	231	196	173	182	189
10:00	*	*	*	*	*	*	176	179	191	217	267	266	237	**274**	218	234
11:00	*	*	*	*	**198**	**187**	**191**	227	**215**	262	**278**	**328**	**253**	257	**227**	**252**
12:00 PM	*	*	*	*	211	219	217	208	229	254	291	**328**	**312**	**317**	252	265
01:00	*	*	*	*	194	191	187	226	257	236	**337**	317	293	277	254	249
02:00	*	*	*	*	176	210	229	217	231	257	286	304	281	300	241	258
03:00	*	*	*	*	241	249	265	**296**	335	300	295	255	256	278	278	276
04:00	*	*	*	*	**319**	**268**	**329**	289	**390**	308	271	275	253	260	**312**	**280**
05:00	*	*	*	*	288	205	314	230	357	**319**	271	214	209	212	288	236
06:00	*	*	*	*	216	167	266	171	278	255	209	179	165	148	227	184
07:00	*	*	*	*	170	116	158	124	195	200	154	127	160	140	167	141
08:00	*	*	*	*	133	85	138	91	147	124	124	106	123	102	133	102
09:00	*	*	*	*	73	80	84	71	118	120	151	99	99	69	105	88
10:00	*	*	*	*	61	48	66	36	86	89	93	80	60	28	73	56
11:00	*	*	*	*	37	46	35	55	69	54	73	62	26	41	48	52
Lane	0	0	0	0	2317	2071	3387	3477	3843	4088	3787	3773	3284	3277	3502	3562
Day	0		0		4388		6864		7931		7560		6561		7064	
AM Peak	-	-	-	-	11:00	11:00	11:00	07:00	11:00	07:00	11:00	11:00	11:00	10:00	11:00	11:00
Vol.	-	-	-	-	198	187	191	314	215	298	278	328	253	274	227	252
PM Peak	-	-	-	-	16:00	16:00	16:00	15:00	16:00	17:00	13:00	12:00	12:00	12:00	16:00	16:00
Vol.	-	-	-	-	319	268	329	296	390	319	337	328	312	317	312	280

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Start	20-Apr-15		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
Time	Nb	Sb	Nb	Sb	Nb	Sb	Nb	Sb	Nb	Sb	Nb	Sb	Nb	Sb	Nb	Sb
12:00 AM	14	8	24	15	22	20	*	*	*	*	*	*	*	*	20	14
01:00	13	8	24	10	15	5	*	*	*	*	*	*	*	*	17	8
02:00	7	4	13	3	19	5	*	*	*	*	*	*	*	*	13	4
03:00	10	6	6	17	5	15	*	*	*	*	*	*	*	*	7	13
04:00	10	31	12	33	15	28	*	*	*	*	*	*	*	*	12	31
05:00	56	96	52	103	56	90	*	*	*	*	*	*	*	*	55	96
06:00	113	216	131	219	128	222	*	*	*	*	*	*	*	*	124	219
07:00	147	**304**	161	**316**	140	**302**	*	*	*	*	*	*	*	*	**149**	**307**
08:00	122	184	141	177	152	180	*	*	*	*	*	*	*	*	138	180
09:00	119	135	136	148	**153**	173	*	*	*	*	*	*	*	*	136	152
10:00	150	150	163	165	21	22	*	*	*	*	*	*	*	*	111	112
11:00	**193**	198	**185**	191	0	0	*	*	*	*	*	*	*	*	126	130
12:00 PM	199	195	185	192	**2**	**1**	*	*	*	*	*	*	*	*	129	129
01:00	193	193	204	208	1	0	*	*	*	*	*	*	*	*	133	134
02:00	214	190	233	235	1	1	*	*	*	*	*	*	*	*	149	142
03:00	205	242	265	**252**	*	*	*	*	*	*	*	*	*	*	235	247
04:00	**314**	**247**	275	249	*	*	*	*	*	*	*	*	*	*	**294**	**248**
05:00	272	200	**290**	248	*	*	*	*	*	*	*	*	*	*	281	224
06:00	166	132	203	175	*	*	*	*	*	*	*	*	*	*	184	154
07:00	111	88	131	106	*	*	*	*	*	*	*	*	*	*	121	97
08:00	92	71	96	115	*	*	*	*	*	*	*	*	*	*	94	93
09:00	66	40	87	57	*	*	*	*	*	*	*	*	*	*	76	48
10:00	33	35	59	32	*	*	*	*	*	*	*	*	*	*	46	34
11:00	35	42	41	46	*	*	*	*	*	*	*	*	*	*	38	44
Lane	2854	3015	3117	3312	730	1064	0	0	0	0	0	0	0	0	2688	2860
Day	5869		6429		1794		0		0		0		0		5548	
AM Peak	11:00	07:00	11:00	07:00	09:00	07:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	193	304	185	316	153	302	-	-	-	-	-	-	-	-	149	307
PM Peak	16:00	16:00	17:00	15:00	12:00	12:00	-	-	-	-	-	-	-	-	16:00	16:00
Vol.	314	247	290	252	2	1	-	-	-	-	-	-	-	-	294	248

Comb. Total	5869	6429	6182	6864	7931	7560	6561	12612

ADT ADT 6,535 AADT 6,535

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	**1**	**114**	**55**	**2**	**10**	**2**	0	**1**	**12**	0	0	0	0	**197**
12 PM	0	143	37	4	**13**	1	**1**	2	6	**3**	0	0	0	210
13:00	0	139	31	3	8	1	0	1	**8**	2	0	0	0	193
14:00	**4**	117	36	3	6	0	0	**4**	3	2	0	0	0	175
15:00	1	171	50	**5**	8	0	0	1	4	0	0	0	0	240
16:00	1	**224**	**74**	4	7	0	1	1	6	0	0	0	0	**318**
17:00	1	214	57	0	10	**2**	0	0	3	1	0	0	0	288
18:00	0	167	40	0	7	0	0	0	2	0	0	0	0	216
19:00	1	129	32	0	2	0	0	0	5	0	0	0	0	169
20:00	0	100	29	1	0	0	0	1	2	0	0	0	0	133
21:00	0	60	9	0	2	1	0	0	1	0	0	0	0	73
22:00	0	52	8	0	0	0	0	0	0	1	0	0	0	61
23:00	0	31	5	0	0	0	0	0	1	0	0	0	0	37
Day Total	9	1661	463	22	73	7	2	11	53	9	0	0	0	2310
Percent	0.4%	71.9%	20.0%	1.0%	3.2%	0.3%	0.1%	0.5%	2.3%	0.4%	0.0%	0.0%	0.0%	
AM Peak	11:00	11:00	11:00	11:00	11:00	11:00		11:00	11:00					11:00
Vol.	1	114	55	2	10	2		1	12					197
PM Peak	14:00	16:00	16:00	15:00	12:00	17:00	12:00	14:00	13:00	12:00				16:00
Vol.	4	224	74	5	13	2	1	4	8	3				318

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/16/15	0	19	9	0	2	0	0	0	1	0	0	0	0	31
01:00	0	7	1	0	1	0	0	0	3	0	0	0	0	12
02:00	0	9	3	1	0	0	0	0	0	1	0	0	0	14
03:00	0	5	1	1	0	0	0	0	2	2	0	0	0	11
04:00	0	6	2	1	0	0	0	0	1	0	0	0	0	10
05:00	1	31	12	1	4	0	0	2	3	2	0	0	0	56
06:00	0	70	24	**5**	8	1	0	**4**	9	0	0	**2**	0	123
07:00	0	113	**36**	2	7	1	0	3	6	**3**	0	0	0	171
08:00	1	94	31	3	8	2	0	2	5	1	0	0	0	147
09:00	1	95	25	4	9	0	0	2	**18**	1	0	0	0	155
10:00	**2**	116	35	2	4	**5**	0	2	9	0	0	0	0	175
11:00	2	**127**	32	2	**10**	3	**1**	3	10	1	0	0	0	**191**
12 PM	3	138	49	4	9	1	0	**4**	9	0	0	0	0	217
13:00	4	132	35	0	4	1	0	2	6	**3**	0	0	0	187
14:00	3	150	43	**6**	10	**3**	0	2	**10**	1	0	0	0	228
15:00	**5**	172	65	1	**11**	1	0	1	8	0	0	0	0	264
16:00	3	221	**82**	1	10	3	0	2	4	1	0	0	0	**327**
17:00	1	**230**	69	1	9	1	0	1	1	0	0	0	0	313
18:00	0	208	45	0	9	0	0	0	4	0	0	0	0	266
19:00	0	116	30	1	7	0	0	0	3	0	0	0	0	157
20:00	0	110	25	0	1	0	0	0	2	0	0	0	0	138
21:00	0	63	20	0	0	0	0	0	1	0	0	0	0	84
22:00	1	53	6	0	1	1	0	0	4	0	0	0	0	66
23:00	0	24	8	0	0	0	0	0	3	0	0	0	0	35
Day Total	27	2309	688	36	124	23	1	30	122	16	0	2	0	3378
Percent	0.8%	68.4%	20.4%	1.1%	3.7%	0.7%	0.0%	0.9%	3.6%	0.5%	0.0%	0.1%	0.0%	
AM Peak	10:00	11:00	07:00	06:00	11:00	10:00	11:00	06:00	09:00	07:00		06:00		11:00
Vol.	2	127	36	5	10	5	1	4	18	3		2		191
PM Peak	15:00	17:00	16:00	14:00	15:00	14:00		12:00	14:00	13:00				16:00
Vol.	5	230	82	6	11	3		4	10	3				327

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/17/15	0	13	7	0	0	0	0	0	2	0	0	0	0	22
01:00	**1**	16	7	0	0	0	0	0	0	0	0	0	0	24
02:00	1	6	2	1	0	0	0	0	0	2	0	0	0	12
03:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
04:00	0	6	1	1	1	0	0	0	2	0	0	0	0	11
05:00	1	40	10	2	5	1	0	**3**	2	0	0	0	0	64
06:00	1	80	31	**6**	3	3	0	1	9	**4**	0	0	0	138
07:00	1	107	29	2	**13**	3	0	3	9	0	0	0	0	167
08:00	0	90	33	0	8	0	0	1	9	2	0	0	0	143
09:00	0	99	38	4	5	0	0	1	**11**	3	0	0	0	161
10:00	0	120	44	2	11	0	0	1	11	1	0	0	0	190
11:00	1	**135**	**50**	3	9	**4**	0	2	9	1	0	0	0	**214**
12 PM	0	156	52	1	10	0	0	2	7	0	0	0	0	228
13:00	3	169	54	3	11	3	0	1	**10**	**2**	0	0	0	256
14:00	1	156	48	**4**	12	3	0	0	5	1	0	0	0	230
15:00	2	232	79	2	8	2	0	2	7	0	0	0	0	334
16:00	3	**279**	**85**	3	7	**4**	0	0	8	0	0	0	0	**389**
17:00	2	265	64	0	**18**	3	0	**3**	1	0	0	0	0	356
18:00	**4**	221	38	0	11	1	0	1	2	0	0	0	0	278
19:00	1	153	32	1	3	0	0	1	3	0	0	0	0	194
20:00	0	106	32	0	3	0	0	0	4	1	0	0	0	146
21:00	1	91	19	0	2	0	0	0	4	0	0	0	0	117
22:00	0	68	15	0	3	0	0	0	0	0	0	0	0	86
23:00	0	58	8	0	1	0	0	0	1	0	0	0	0	68
Day Total	23	2668	779	35	144	27	0	22	116	17	0	0	0	3831
Percent	0.6%	69.6%	20.3%	0.9%	3.8%	0.7%	0.0%	0.6%	3.0%	0.4%	0.0%	0.0%	0.0%	
AM Peak	01:00	11:00	11:00	06:00	07:00	11:00		05:00	09:00	06:00				11:00
Vol.	1	135	50	6	13	4		3	11	4				214
PM Peak	18:00	16:00	16:00	14:00	17:00	16:00		17:00	13:00	13:00				16:00
Vol.	4	279	85	4	18	4		3	10	2				389

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/18/15	0	34	9	0	3	0	0	1	1	0	0	0	0	48
01:00	1	31	5	0	0	0	0	0	0	0	0	0	0	37
02:00	0	6	3	0	0	0	0	0	0	0	0	0	0	9
03:00	0	7	3	0	0	0	0	0	1	0	0	0	0	11
04:00	0	8	4	0	1	1	0	0	0	0	0	0	0	14
05:00	0	18	4	0	4	0	0	0	0	0	0	0	0	26
06:00	0	53	14	1	3	0	0	0	**4**	0	0	0	0	75
07:00	0	54	23	0	3	1	0	1	1	0	0	0	0	83
08:00	2	116	39	**2**	6	0	0	0	0	0	0	0	0	165
09:00	0	164	46	0	5	**2**	0	0	1	0	0	0	0	218
10:00	2	202	45	0	**12**	0	0	**3**	0	**2**	0	0	0	266
11:00	**4**	**211**	**52**	1	6	0	0	2	1	0	0	0	0	**277**
12 PM	2	222	55	0	8	0	0	1	2	0	0	0	0	290
13:00	**16**	**253**	**58**	1	4	0	0	**3**	1	0	0	0	0	**336**
14:00	6	225	42	**3**	5	0	0	1	**3**	0	0	0	0	285
15:00	8	223	55	1	6	0	0	1	1	0	0	0	0	295
16:00	8	205	44	0	**10**	0	0	1	3	0	0	0	0	271
17:00	5	207	44	1	7	0	0	3	3	0	0	0	0	270
18:00	1	161	41	0	3	0	0	1	0	**2**	0	0	0	209
19:00	3	125	22	0	3	0	0	1	0	0	0	0	0	154
20:00	0	101	19	0	3	0	0	1	0	0	0	0	0	124
21:00	0	115	33	0	2	0	0	0	0	0	0	0	0	150
22:00	1	76	16	0	0	0	0	0	0	0	0	0	0	93
23:00	0	61	10	0	2	0	0	0	0	0	0	0	0	73
Day Total	59	2878	686	10	96	4	0	20	22	4	0	0	0	3779
Percent	1.6%	76.2%	18.2%	0.3%	2.5%	0.1%	0.0%	0.5%	0.6%	0.1%	0.0%	0.0%	0.0%	
AM Peak	11:00	11:00	11:00	08:00	10:00	09:00		10:00	06:00	10:00				11:00
Vol.	4	211	52	2	12	2		3	4	2				277
PM Peak	13:00	13:00	13:00	14:00	16:00			13:00	14:00	18:00				13:00
Vol.	16	253	58	3	10			3	3	2				336

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/19/15	0	33	8	0	1	0	0	0	0	0	0	0	0	42
01:00	0	19	11	0	**9**	**3**	0	0	0	0	0	0	0	42
02:00	0	10	4	0	1	0	0	0	0	0	0	0	0	15
03:00	0	8	2	0	0	0	0	0	**1**	0	0	0	0	11
04:00	0	6	2	0	0	0	0	0	1	0	0	0	0	9
05:00	0	23	6	0	0	0	0	1	0	0	0	0	0	30
06:00	0	34	6	0	1	0	0	1	0	0	0	0	0	42
07:00	0	39	9	0	2	0	0	0	0	0	0	0	0	50
08:00	0	85	23	0	6	1	0	**2**	0	**2**	0	0	0	119
09:00	0	148	41	0	5	0	0	1	1	0	0	0	0	196
10:00	**4**	186	35	0	6	2	0	2	1	0	0	0	0	236
11:00	3	**194**	**43**	**1**	9	0	0	2	0	0	0	0	0	**252**
12 PM	2	**240**	60	0	7	**1**	0	2	0	0	0	0	0	**312**
13:00	4	214	**63**	0	**10**	0	0	1	0	0	0	0	0	292
14:00	**15**	211	44	0	4	0	0	**6**	0	0	0	0	0	280
15:00	14	201	34	0	5	0	0	0	1	0	0	0	0	255
16:00	7	198	41	0	4	0	0	0	**2**	0	0	0	0	252
17:00	2	155	47	**2**	2	0	0	0	1	0	0	0	0	209
18:00	0	126	31	2	4	0	0	1	1	0	0	0	0	165
19:00	1	115	36	0	4	0	0	1	2	**1**	0	0	0	160
20:00	0	92	25	0	4	0	0	1	1	0	0	0	0	123
21:00	0	78	18	0	0	1	0	1	1	0	0	0	0	99
22:00	0	44	11	1	2	0	0	2	0	0	0	0	0	60
23:00	0	19	5	0	0	0	0	0	2	0	0	0	0	26
Day Total	52	2478	605	6	86	8	0	24	15	3	0	0	0	3277
Percent	1.6%	75.6%	18.5%	0.2%	2.6%	0.2%	0.0%	0.7%	0.5%	0.1%	0.0%	0.0%	0.0%	
AM Peak	10:00	11:00	11:00	11:00	01:00	01:00		08:00	03:00	08:00				11:00
Vol.	4	194	43	1	9	3		2	1	2				252
PM Peak	14:00	12:00	13:00	17:00	13:00	12:00		14:00	16:00	19:00				12:00
Vol.	15	240	63	2	10	1		6	2	1				312

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/20/15	0	10	3	0	1	0	0	0	0	0	0	0	0	14
01:00	0	8	3	1	0	0	0	0	1	0	0	0	0	13
02:00	0	2	1	1	1	0	0	0	0	**2**	0	0	0	7
03:00	0	7	1	0	0	0	0	0	1	1	0	0	0	10
04:00	0	7	1	1	0	0	0	0	1	0	0	0	0	10
05:00	0	29	16	0	5	1	0	1	4	0	0	0	0	56
06:00	0	71	27	4	4	1	0	0	5	1	0	0	0	113
07:00	**1**	101	21	4	5	**4**	**1**	0	9	0	0	0	0	146
08:00	0	73	29	2	**9**	1	0	1	4	1	0	0	**1**	121
09:00	0	72	21	4	7	2	0	1	11	0	0	0	0	118
10:00	0	88	31	**5**	7	0	0	**2**	**14**	2	0	0	0	149
11:00	0	**126**	**43**	2	9	2	1	1	8	0	0	0	0	**192**
12 PM	1	131	37	**5**	13	2	0	1	7	1	0	0	0	198
13:00	0	130	33	4	**14**	1	0	**4**	6	0	0	0	0	192
14:00	0	146	52	4	3	0	0	3	5	1	0	0	0	214
15:00	1	132	42	0	10	0	0	4	**13**	**2**	0	0	0	204
16:00	**2**	**213**	**73**	4	13	**4**	0	0	5	0	0	0	0	**314**
17:00	0	209	49	0	6	1	0	2	2	2	0	0	0	271
18:00	0	125	28	0	7	0	0	2	3	0	0	0	0	165
19:00	0	92	14	0	0	1	0	0	4	0	0	0	0	111
20:00	0	70	17	0	3	0	0	0	1	0	0	0	0	91
21:00	0	57	8	0	0	0	0	0	1	0	0	0	0	66
22:00	0	26	5	0	1	0	0	0	0	1	0	0	0	33
23:00	0	28	4	0	1	0	0	0	2	0	0	0	0	35
Day Total	5	1953	559	41	119	20	2	22	107	14	0	0	1	2843
Percent	0.2%	68.7%	19.7%	1.4%	4.2%	0.7%	0.1%	0.8%	3.8%	0.5%	0.0%	0.0%	0.0%	
AM Peak	07:00	11:00	11:00	10:00	08:00	07:00	07:00	10:00	10:00	02:00			08:00	11:00
Vol.	1	126	43	5	9	4	1	2	14	2			1	192
PM Peak	16:00	16:00	16:00	12:00	13:00	16:00		13:00	15:00	15:00				16:00
Vol.	2	213	73	5	14	4		4	13	2				314

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/21/15	0	17	6	0	1	0	0	0	0	0	0	0	0	24
01:00	0	12	7	0	2	0	0	1	2	0	0	0	0	24
02:00	0	9	1	1	0	0	0	0	0	**2**	0	0	0	13
03:00	0	3	1	1	0	0	0	0	0	1	0	0	0	6
04:00	0	9	1	0	0	0	0	0	2	0	0	0	0	12
05:00	0	27	13	1	4	0	0	1	5	1	0	0	0	52
06:00	0	79	36	4	3	1	0	**3**	5	0	0	0	0	131
07:00	0	112	28	**5**	4	**2**	0	2	6	1	0	0	0	160
08:00	0	87	34	2	7	0	0	2	9	0	0	0	0	141
09:00	0	81	33	5	5	1	0	3	7	1	0	0	0	136
10:00	0	99	39	4	**8**	0	0	3	**10**	0	0	0	0	163
11:00	0	**122**	**45**	1	5	2	0	0	8	1	0	0	0	**184**
12 PM	0	116	40	5	9	0	0	1	**12**	1	0	0	0	184
13:00	**1**	140	43	2	8	**2**	0	1	7	0	0	0	0	204
14:00	0	153	45	**7**	9	2	0	**3**	10	**2**	0	**1**	0	232
15:00	0	182	**62**	2	10	0	0	2	4	2	0	0	0	264
16:00	1	199	62	1	6	2	0	0	3	1	0	0	0	275
17:00	0	**219**	56	1	**12**	2	0	0	0	0	0	0	0	**290**
18:00	0	163	35	0	2	0	0	1	1	1	0	0	0	203
19:00	0	106	17	1	3	0	0	0	4	0	0	0	0	131
20:00	1	77	14	0	1	1	0	0	2	0	0	0	0	96
21:00	0	68	16	0	3	0	0	0	0	0	0	0	0	87
22:00	0	51	6	0	1	0	0	0	1	0	0	0	0	59
23:00	0	30	6	1	1	0	0	0	3	0	0	0	0	41
Day Total	3	2161	646	44	104	15	0	23	101	14	0	1	0	3112
Percent	0.1%	69.4%	20.8%	1.4%	3.3%	0.5%	0.0%	0.7%	3.2%	0.4%	0.0%	0.0%	0.0%	
AM Peak		11:00	11:00	07:00	10:00	07:00		06:00	10:00	02:00				11:00
Vol.		122	45	5	8	2		3	10	2				184
PM Peak	13:00	17:00	15:00	14:00	17:00	13:00		14:00	12:00	14:00		14:00		17:00
Vol.	1	219	62	7	12	2		3	12	2		1		290

Tri-State Traffic Data, Inc.
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(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/22/15	0	18	3	0	1	0	0	0	0	0	0	0	0	22
01:00	0	5	6	0	2	0	0	0	2	0	0	0	0	15
02:00	0	11	3	1	0	0	0	0	1	**3**	0	0	0	19
03:00	0	3	1	0	0	0	0	0	0	1	0	0	0	5
04:00	0	10	3	0	1	0	0	0	1	0	0	0	0	15
05:00	**1**	35	11	0	3	1	0	**2**	3	0	0	0	0	56
06:00	1	80	27	**5**	2	1	0	2	7	2	0	0	0	127
07:00	0	92	25	4	6	1	0	1	**10**	1	0	0	0	140
08:00	0	88	**30**	5	**15**	**2**	0	2	8	1	0	0	0	151
09:00	1	**96**	29	4	11	2	0	0	10	0	0	0	0	**153**
10:00	1	14	2	1	1	1	0	0	0	1	0	0	0	21
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PM	0	**1**	0	0	0	0	0	0	0	0	0	0	0	**1**
13:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Day Total	4	454	140	20	42	8	0	7	42	9	0	0	0	726
Percent	0.6%	62.5%	19.3%	2.8%	5.8%	1.1%	0.0%	1.0%	5.8%	1.2%	0.0%	0.0%	0.0%	
AM Peak	05:00	09:00	08:00	06:00	08:00	08:00		05:00	07:00	02:00				09:00
Vol.	1	96	30	5	15	2		2	10	3				153
PM Peak		12:00												12:00
Vol.		1												1
Grand Total	182	16562	4566	214	788	112	5	159	578	86	0	3	1	23256
Percent	0.8%	71.2%	19.6%	0.9%	3.4%	0.5%	0.0%	0.7%	2.5%	0.4%	0.0%	0.0%	0.0%	

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	**2**	**128**	**35**	**2**	**7**	**3**	0	**2**	**7**	0	0	0	0	**186**
12 PM	2	146	33	2	**15**	1	0	3	**14**	2	0	0	0	218
13:00	1	121	38	4	9	**4**	0	2	11	0	0	0	0	190
14:00	2	150	32	5	6	0	0	**4**	8	**3**	0	0	0	210
15:00	**3**	169	48	**7**	6	2	0	2	11	1	0	0	0	249
16:00	3	**197**	**55**	2	7	1	0	1	1	0	0	0	0	**267**
17:00	2	140	46	1	9	0	0	2	3	1	0	0	0	204
18:00	0	124	32	0	5	2	0	0	3	1	0	0	0	167
19:00	0	89	17	1	3	0	0	1	3	1	0	0	0	115
20:00	0	62	14	2	1	0	0	0	5	1	0	0	0	85
21:00	0	62	12	0	2	2	0	0	2	0	0	0	0	80
22:00	0	38	9	0	0	0	0	0	1	0	0	0	0	48
23:00	0	38	8	0	0	0	0	0	0	0	0	0	0	46
Day Total	15	1464	379	26	70	15	0	17	69	10	0	0	0	2065
Percent	0.7%	70.9%	18.4%	1.3%	3.4%	0.7%	0.0%	0.8%	3.3%	0.5%	0.0%	0.0%	0.0%	
AM Peak	11:00	11:00	11:00	11:00	11:00	11:00		11:00	11:00					11:00
Vol.	2	128	35	2	7	3		2	7					186
PM Peak	15:00	16:00	16:00	15:00	12:00	13:00		14:00	12:00	14:00				16:00
Vol.	3	197	55	7	15	4		4	14	3				267

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/16/15	0	11	4	0	0	1	0	0	2	0	0	0	0	18
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	6	0	0	0	0	0	0	2	0	0	0	0	8
03:00	0	13	2	0	1	1	0	0	1	0	0	0	0	18
04:00	0	21	5	1	1	0	0	0	1	0	0	0	0	29
05:00	2	46	30	0	4	2	0	0	6	0	0	0	0	90
06:00	0	142	49	**2**	10	1	0	1	5	0	0	0	0	210
07:00	1	**239**	46	1	**18**	2	0	**3**	3	1	0	0	0	**314**
08:00	1	145	37	2	5	1	0	2	8	**2**	0	0	0	203
09:00	**5**	107	30	2	5	1	0	1	**13**	0	0	0	0	164
10:00	2	124	30	2	8	**3**	0	1	6	2	0	0	0	178
11:00	1	141	**51**	2	12	2	**1**	2	13	2	0	0	0	227
12 PM	**6**	144	39	4	6	2	0	2	4	0	0	0	0	207
13:00	6	148	41	**6**	4	1	0	2	**17**	**1**	0	0	0	226
14:00	5	146	41	1	9	**4**	0	3	8	0	0	0	0	217
15:00	2	**206**	**62**	4	7	1	0	**4**	10	0	0	0	0	**296**
16:00	1	197	61	1	**18**	2	0	2	6	0	0	0	0	288
17:00	0	156	49	0	11	2	0	2	8	1	0	0	0	229
18:00	1	133	27	1	4	0	0	0	4	1	0	0	0	171
19:00	1	87	29	1	2	0	0	0	3	1	0	0	0	124
20:00	0	71	14	0	2	0	0	1	2	1	0	0	0	91
21:00	0	60	9	0	0	0	0	0	1	1	0	0	0	71
22:00	0	25	10	0	0	0	0	0	1	0	0	0	0	36
23:00	0	47	6	0	1	0	0	0	1	0	0	0	0	55
Day Total	34	2417	672	30	128	26	1	26	125	13	0	0	0	3472
Percent	1.0%	69.6%	19.4%	0.9%	3.7%	0.7%	0.0%	0.7%	3.6%	0.4%	0.0%	0.0%	0.0%	
AM Peak	09:00	07:00	11:00	06:00	07:00	10:00	11:00	07:00	09:00	08:00				07:00
Vol.	5	239	51	2	18	3	1	3	13	2				314
PM Peak	12:00	15:00	15:00	13:00	16:00	14:00		15:00	13:00	13:00				15:00
Vol.	6	206	62	6	18	4		4	17	1				296

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/17/15	0	8	4	0	0	0	0	0	1	0	0	0	0	13
01:00	0	3	0	0	0	0	0	0	1	0	0	0	0	4
02:00	0	6	2	0	0	0	0	0	3	0	0	0	0	11
03:00	0	11	5	0	2	0	0	0	2	0	0	0	0	20
04:00	0	24	5	1	3	0	0	0	0	0	0	0	0	33
05:00	**2**	59	25	1	1	3	0	0	4	0	0	0	0	95
06:00	1	127	53	**2**	4	2	0	0	4	1	0	0	0	194
07:00	0	**221**	**58**	2	9	1	0	1	5	0	0	0	0	**297**
08:00	0	175	36	1	7	3	0	2	10	**2**	0	0	0	236
09:00	0	124	36	2	**12**	1	0	**5**	7	2	0	0	0	189
10:00	2	137	54	1	6	3	0	1	11	1	0	0	0	216
11:00	1	176	53	0	12	**4**	**1**	0	**14**	0	0	0	0	261
12 PM	0	169	51	1	**14**	1	0	2	14	**1**	0	0	0	253
13:00	**3**	155	53	3	9	1	0	3	8	0	0	0	0	235
14:00	3	171	51	3	11	0	0	4	11	1	0	**1**	0	256
15:00	1	206	**59**	**5**	11	0	0	2	**15**	0	0	0	0	299
16:00	1	229	49	2	12	**3**	0	1	10	0	0	0	0	307
17:00	3	**242**	49	1	9	0	0	**7**	7	0	0	0	0	**318**
18:00	2	197	38	0	6	0	0	4	7	1	0	0	0	255
19:00	2	156	32	1	3	2	0	1	2	0	0	0	0	199
20:00	1	95	20	0	5	0	0	1	1	0	0	0	0	123
21:00	0	88	25	1	4	0	0	0	1	0	0	0	0	119
22:00	0	65	16	0	2	0	0	3	3	0	0	0	0	89
23:00	2	39	11	0	0	0	0	0	2	0	0	0	0	54
Day Total	24	2883	785	27	142	24	1	37	143	9	0	1	0	4076
Percent	0.6%	70.7%	19.3%	0.7%	3.5%	0.6%	0.0%	0.9%	3.5%	0.2%	0.0%	0.0%	0.0%	
AM Peak	05:00	07:00	07:00	06:00	09:00	11:00	11:00	09:00	11:00	08:00				07:00
Vol.	2	221	58	2	12	4	1	5	14	2				297
PM Peak	13:00	17:00	15:00	15:00	12:00	16:00		17:00	15:00	12:00		14:00		17:00
Vol.	3	242	59	5	14	3		7	15	1		1		318

Tri-State Traffic Data, Inc.
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(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/18/15	0	27	3	0	0	0	0	0	0	0	0	0	0	30
01:00	0	13	3	0	2	0	0	0	0	0	0	0	0	18
02:00	0	13	3	0	0	0	0	0	1	0	0	0	0	17
03:00	0	10	4	0	0	0	0	0	0	0	0	0	0	14
04:00	1	9	2	0	1	**2**	0	0	0	0	0	0	0	15
05:00	0	23	14	1	3	1	0	1	0	0	0	0	0	43
06:00	0	61	20	0	4	0	0	1	0	0	0	0	0	86
07:00	1	104	34	1	6	0	0	1	1	0	0	0	0	148
08:00	0	162	50	**2**	**8**	2	0	**4**	**3**	0	0	0	0	231
09:00	2	169	50	2	4	2	0	1	1	0	0	0	0	231
10:00	1	196	**55**	1	8	0	0	2	2	0	0	0	0	265
11:00	**4**	**264**	46	2	6	1	0	4	0	0	0	0	0	**327**
12 PM	8	**267**	47	0	4	0	0	**1**	0	0	0	0	0	**327**
13:00	**10**	232	**61**	1	**9**	**1**	0	1	1	0	0	0	0	316
14:00	5	230	56	**2**	8	0	0	1	1	**1**	0	0	0	304
15:00	7	203	37	0	4	1	0	0	**3**	0	0	0	0	255
16:00	4	224	39	0	7	0	0	0	0	0	0	0	0	274
17:00	4	168	34	0	6	0	0	0	1	0	0	0	0	213
18:00	1	145	25	0	4	0	0	1	2	1	0	0	0	179
19:00	6	104	14	0	2	0	0	1	0	0	0	0	0	127
20:00	0	88	15	1	1	0	0	0	0	1	0	0	0	106
21:00	3	78	14	0	4	0	0	0	0	0	0	0	0	99
22:00	0	72	7	0	1	0	0	0	0	0	0	0	0	80
23:00	0	53	9	0	0	0	0	0	0	0	0	0	0	62
Day Total	57	2915	642	13	92	10	0	19	16	3	0	0	0	3767
Percent	1.5%	77.4%	17.0%	0.3%	2.4%	0.3%	0.0%	0.5%	0.4%	0.1%	0.0%	0.0%	0.0%	
AM Peak	11:00	11:00	10:00	08:00	08:00	04:00		08:00	08:00					11:00
Vol.	4	264	55	2	8	2		4	3					327
PM Peak	13:00	12:00	13:00	14:00	13:00	13:00		12:00	15:00	14:00				12:00
Vol.	10	267	61	2	9	1		1	3	1				327

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/19/15	1	22	5	0	1	1	0	0	0	0	0	0	0	30
01:00	0	8	4	0	2	0	0	0	1	0	0	0	0	15
02:00	0	8	4	0	3	0	0	0	0	**1**	0	0	0	16
03:00	0	9	6	0	5	**3**	0	0	0	0	0	0	0	23
04:00	0	3	2	0	1	0	0	0	1	0	0	0	0	7
05:00	0	12	9	0	0	0	0	0	0	0	0	0	0	21
06:00	0	36	11	0	0	0	0	0	0	0	0	0	0	47
07:00	1	62	20	0	**6**	0	0	1	0	0	0	0	0	90
08:00	0	114	33	0	1	0	0	**2**	2	0	0	0	0	152
09:00	0	128	37	0	5	1	0	0	2	0	0	0	0	173
10:00	0	**224**	**40**	**1**	4	1	0	1	2	0	0	0	0	**273**
11:00	**5**	211	34	0	4	0	0	0	**3**	0	0	0	0	257
12 PM	7	230	**65**	**2**	**9**	1	0	**1**	1	0	0	0	0	**316**
13:00	7	224	40	0	4	0	0	0	1	0	0	0	0	276
14:00	8	**234**	53	0	4	0	0	0	1	0	0	0	0	300
15:00	**12**	216	44	0	4	0	0	0	1	0	0	0	0	277
16:00	6	212	35	0	3	1	0	1	0	**1**	0	0	0	259
17:00	2	155	42	2	8	0	0	0	**3**	0	0	0	0	212
18:00	4	109	28	0	5	0	0	0	1	0	0	0	0	147
19:00	2	110	23	1	0	**2**	0	0	2	0	0	0	0	140
20:00	0	84	15	0	0	0	0	1	2	0	0	0	0	102
21:00	0	59	8	0	2	0	0	0	0	0	0	0	0	69
22:00	0	20	8	0	0	0	0	0	0	0	0	0	0	28
23:00	0	34	6	0	1	0	0	0	0	0	0	0	0	41
Day Total	55	2524	572	6	72	10	0	7	23	2	0	0	0	3271
Percent	1.7%	77.2%	17.5%	0.2%	2.2%	0.3%	0.0%	0.2%	0.7%	0.1%	0.0%	0.0%	0.0%	
AM Peak	11:00	10:00	10:00	10:00	07:00	03:00		08:00	11:00	02:00				10:00
Vol.	5	224	40	1	6	3		2	3	1				273
PM Peak	15:00	14:00	12:00	12:00	12:00	19:00		12:00	17:00	16:00				12:00
Vol.	12	234	65	2	9	2		1	3	1				316

Tri-State Traffic Data, Inc.
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Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
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Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/20/15	0	7	1	0	0	0	0	0	0	0	0	0	0	8
01:00	0	7	0	0	0	1	0	0	0	0	0	0	0	8
02:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
03:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6
04:00	0	22	8	0	1	0	0	0	0	0	0	0	0	31
05:00	**1**	54	35	2	2	2	0	0	0	0	0	0	0	96
06:00	1	141	**50**	3	**12**	1	0	**2**	6	0	0	0	0	216
07:00	0	**232**	49	1	6	**3**	0	2	9	1	0	0	0	**303**
08:00	0	137	27	3	8	1	0	1	7	0	0	0	0	184
09:00	0	84	29	**4**	4	1	0	1	10	1	0	0	0	134
10:00	1	91	27	1	10	2	**1**	2	**11**	**3**	0	0	0	149
11:00	0	122	50	2	11	1	0	1	8	2	0	0	0	197
12 PM	0	139	32	2	6	1	0	**6**	8	1	0	0	0	195
13:00	**2**	122	35	**4**	9	1	**1**	2	13	**4**	0	0	0	193
14:00	1	128	38	0	6	2	0	1	13	1	0	0	0	190
15:00	1	158	45	4	10	**3**	0	4	**15**	1	0	0	0	241
16:00	0	**159**	**55**	3	**14**	0	0	5	11	0	0	0	0	**247**
17:00	0	142	40	2	6	2	0	1	7	0	0	0	0	200
18:00	0	95	24	1	4	0	0	4	4	0	0	0	0	132
19:00	0	69	17	0	0	1	0	0	1	0	0	0	0	88
20:00	0	49	13	0	1	0	0	0	7	1	0	0	0	71
21:00	0	33	5	0	1	0	0	0	0	0	0	0	0	39
22:00	0	25	6	0	1	0	0	0	3	0	0	0	0	35
23:00	0	33	8	0	0	0	0	0	1	0	0	0	0	42
Day Total	7	2056	597	32	112	22	2	32	134	15	0	0	0	3009
Percent	0.2%	68.3%	19.8%	1.1%	3.7%	0.7%	0.1%	1.1%	4.5%	0.5%	0.0%	0.0%	0.0%	
AM Peak	05:00	07:00	06:00	09:00	06:00	07:00	10:00	06:00	10:00	10:00				07:00
Vol.	1	232	50	4	12	3	1	2	11	3				303
PM Peak	13:00	16:00	16:00	13:00	16:00	15:00	13:00	12:00	15:00	13:00				16:00
Vol.	2	159	55	4	14	3	1	6	15	4				247

Tri-State Traffic Data, Inc.
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(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/21/15	0	10	1	0	2	0	0	1	1	0	0	0	0	15
01:00	0	5	0	0	1	0	0	0	4	0	0	0	0	10
02:00	0	1	0	0	0	0	0	1	1	0	0	0	0	3
03:00	0	13	2	0	0	0	0	0	1	1	0	0	0	17
04:00	0	24	7	0	0	0	0	1	1	0	0	0	0	33
05:00	**1**	53	38	1	3	2	0	1	4	0	0	0	0	103
06:00	0	142	**57**	1	**10**	**3**	0	1	4	0	0	0	0	218
07:00	0	**239**	53	4	6	1	0	1	9	**2**	0	0	0	**315**
08:00	0	121	35	1	6	2	0	**4**	8	0	0	0	0	177
09:00	0	97	43	0	2	1	0	2	3	0	0	0	0	148
10:00	1	102	36	**5**	9	1	**1**	0	8	1	0	0	0	164
11:00	1	123	39	1	10	1	0	1	**13**	2	0	0	0	191
12 PM	0	118	47	**5**	11	1	0	0	**10**	0	0	0	0	192
13:00	1	**144**	45	2	4	**3**	0	1	6	1	0	0	0	207
14:00	1	55	111	5	45	3	0	4	9	1	0	0	0	234
15:00	1	83	116	4	39	1	0	3	3	1	0	0	0	**251**
16:00	1	85	113	2	38	1	0	**7**	2	0	0	0	0	249
17:00	0	67	**118**	1	**53**	0	0	1	5	**2**	0	0	0	247
18:00	0	25	116	2	28	1	0	1	1	1	0	0	0	175
19:00	**2**	15	72	1	13	1	0	0	1	1	0	0	0	106
20:00	1	10	86	1	13	0	0	2	1	1	0	0	0	115
21:00	0	3	41	1	12	0	0	0	0	0	0	0	0	57
22:00	0	2	28	0	2	0	0	0	0	0	0	0	0	32
23:00	0	1	39	0	6	0	0	0	0	0	0	0	0	46
Day Total	10	1538	1243	37	313	22	1	32	95	14	0	0	0	3305
Percent	0.3%	46.5%	37.6%	1.1%	9.5%	0.7%	0.0%	1.0%	2.9%	0.4%	0.0%	0.0%	0.0%	
AM Peak	05:00	07:00	06:00	10:00	06:00	06:00	10:00	08:00	11:00	07:00				07:00
Vol.	1	239	57	5	10	3	1	4	13	2				315
PM Peak	19:00	13:00	17:00	12:00	17:00	13:00		16:00	12:00	17:00				15:00
Vol.	2	144	118	5	53	3		7	10	2				251

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/22/15	**1**	0	14	0	3	1	0	0	1	0	0	0	0	20
01:00	0	1	3	0	1	0	0	0	0	0	0	0	0	5
02:00	0	0	4	0	0	0	0	0	1	0	0	0	0	5
03:00	0	1	8	0	2	0	0	0	3	1	0	0	0	15
04:00	0	1	16	1	8	0	0	0	0	2	0	0	0	28
05:00	1	3	56	1	27	1	0	1	0	0	0	0	0	90
06:00	1	6	139	2	**66**	1	0	2	4	0	0	0	0	221
07:00	1	8	**212**	3	61	**3**	0	**6**	**5**	2	0	0	0	**301**
08:00	1	12	110	5	42	2	**1**	1	2	**3**	0	0	0	179
09:00	0	**14**	114	**7**	33	1	0	0	3	1	0	0	0	173
10:00	0	8	9	0	1	0	0	0	4	0	0	0	0	22
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PM	0	**1**	0	0	0	0	0	0	0	0	0	0	0	**1**
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Day Total	5	55	685	19	244	9	1	10	23	9	0	0	0	1060
Percent	0.5%	5.2%	64.6%	1.8%	23.0%	0.8%	0.1%	0.9%	2.2%	0.8%	0.0%	0.0%	0.0%	
AM Peak	00:00	09:00	07:00	09:00	06:00	07:00	08:00	07:00	07:00	08:00				07:00
Vol.	1	14	212	7	66	3	1	6	5	3				301
PM Peak		12:00												12:00
Vol.		1												1
Grand Total	207	15852	5575	190	1173	138	6	180	628	75	0	1	0	24025
Percent	0.9%	66.0%	23.2%	0.8%	4.9%	0.6%	0.0%	0.7%	2.6%	0.3%	0.0%	0.0%	0.0%	

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	**7**	0	0	0	0	0	**2**	**23**	**66**	**81**	**17**	**2**	0	0	**198**	51-60	147
12 PM	5	0	0	**1**	0	**7**	**7**	12	83	74	18	3	**1**	0	211	51-60	157
13:00	**8**	0	0	1	0	0	2	23	58	73	27	2	0	0	194	51-60	131
14:00	2	0	0	0	0	0	1	7	51	80	32	3	0	0	176	51-60	131
15:00	5	0	0	0	0	0	2	**24**	**84**	75	46	5	0	0	241	51-60	159
16:00	7	0	0	0	0	0	0	9	83	**168**	**49**	3	0	0	**319**	51-60	251
17:00	4	0	0	0	0	0	0	15	80	135	48	**6**	0	0	288	51-60	215
18:00	3	0	0	0	0	0	0	6	53	113	35	6	0	0	216	51-60	166
19:00	2	0	0	0	0	0	1	7	58	74	25	3	0	0	170	51-60	132
20:00	0	0	0	0	0	1	4	23	52	43	10	0	0	0	133	51-60	95
21:00	3	0	0	0	0	1	3	12	24	25	4	0	1	0	73	51-60	49
22:00	1	0	0	0	0	0	1	5	20	23	7	4	0	0	61	51-60	43
23:00	0	0	0	0	0	0	0	3	11	17	6	0	0	0	37	51-60	28
Total	47	0	0	2	0	9	23	169	723	981	324	37	2	0	2317		
Percent	2.0%	0.0%	0.0%	0.1%	0.0%	0.4%	1.0%	7.3%	31.2%	42.3%	14.0%	1.6%	0.1%	0.0%			
AM Peak	11:00						11:00	11:00	11:00	11:00	11:00	11:00			11:00		
Vol.	7						2	23	66	81	17	2			198		
PM Peak	13:00			12:00		12:00	12:00	15:00	15:00	16:00	16:00	17:00	12:00		16:00		
Vol.	8			1		7	7	24	84	168	49	6	1		319		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/16/15	0	0	0	0	0	0	2	2	10	13	4	0	0	0	31	51-60	23
01:00	0	0	0	0	0	0	3	1	4	3	1	0	0	0	12	50-59	7
02:00	0	0	0	0	0	0	1	1	4	8	0	0	0	0	14	51-60	12
03:00	0	0	0	0	0	1	1	1	2	3	2	1	0	0	11	56-65	5
04:00	0	0	0	0	0	0	2	3	3	2	0	0	0	0	10	46-55	6
05:00	1	0	0	0	0	0	0	6	15	22	8	3	**1**	0	56	51-60	37
06:00	1	0	0	0	0	0	2	10	42	48	18	2	0	0	123	51-60	90
07:00	**10**	0	0	0	0	1	1	13	43	**69**	29	**6**	0	0	172	51-60	112
08:00	2	0	0	0	0	0	0	18	53	54	20	1	0	0	148	51-60	107
09:00	3	0	**1**	0	0	0	3	16	62	45	21	4	0	0	155	51-60	107
10:00	7	0	0	0	**1**	**4**	**10**	**28**	61	47	18	0	0	0	176	51-60	108
11:00	2	0	0	0	0	0	0	17	**75**	62	**33**	2	0	0	**191**	51-60	137
12 PM	4	0	0	0	0	0	5	21	78	81	23	5	0	0	217	51-60	159
13:00	4	0	0	0	0	0	0	14	53	73	39	3	0	**1**	187	51-60	126
14:00	10	0	0	0	0	0	1	9	62	106	37	4	0	0	229	51-60	168
15:00	7	0	0	0	0	0	0	12	88	126	29	3	0	0	265	51-60	214
16:00	**11**	0	0	0	0	1	5	18	**125**	126	40	3	0	0	**329**	51-60	251
17:00	7	0	0	0	0	0	7	18	99	**142**	38	3	0	0	314	51-60	241
18:00	4	0	0	0	0	0	4	18	72	115	**46**	**6**	**1**	0	266	51-60	187
19:00	2	0	0	0	0	0	3	8	42	76	24	3	0	0	158	51-60	118
20:00	0	0	0	0	0	1	1	20	39	59	16	2	0	0	138	51-60	98
21:00	0	0	0	0	0	0	4	**22**	29	23	5	1	0	0	84	51-60	52
22:00	0	0	0	0	0	**4**	**8**	15	22	14	2	1	0	0	66	46-55	37
23:00	0	0	0	0	0	0	1	9	10	11	4	0	0	0	35	51-60	21
Total	75	0	1	0	1	12	64	300	1093	1328	457	53	2	1	3387		
Percent	2.2%	0.0%	0.0%	0.0%	0.0%	0.4%	1.9%	8.9%	32.3%	39.2%	13.5%	1.6%	0.1%	0.0%			
AM Peak	07:00		09:00		10:00	10:00	10:00	10:00	11:00	07:00	11:00	07:00	05:00		11:00		
Vol.	10		1		1	4	10	28	75	69	33	6	1		191		
PM Peak	16:00					22:00	22:00	21:00	16:00	17:00	18:00	18:00	18:00	13:00	16:00		
Vol.	11					4	8	22	125	142	46	6	1	1	329		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/17/15	0	0	0	0	0	0	0	1	8	7	4	2	0	0	22	51-60	15
01:00	0	0	0	0	0	0	3	3	7	6	3	2	0	0	24	51-60	13
02:00	0	0	0	0	0	0	0	2	5	5	0	0	0	0	12	51-60	10
03:00	0	0	0	0	0	0	0	0	1	2	0	0	0	0	3	50-59	3
04:00	0	0	0	0	0	1	1	0	5	2	2	0	0	0	11	51-60	7
05:00	0	0	0	0	0	**4**	3	15	23	15	4	0	0	0	64	51-60	38
06:00	1	0	0	0	6	0	9	17	46	38	19	2	0	0	138	51-60	84
07:00	3	0	0	0	0	0	10	19	55	**57**	20	**3**	0	0	167	51-60	112
08:00	4	0	0	0	0	0	2	14	44	56	22	1	0	0	143	51-60	100
09:00	1	0	0	0	**8**	3	7	25	41	53	20	3	0	0	161	51-60	94
10:00	2	0	0	0	0	3	16	**48**	**75**	40	7	0	0	0	191	46-55	123
11:00	**7**	0	0	0	0	3	**24**	41	67	49	**24**	0	0	0	**215**	51-60	116
12 PM	6	0	0	0	0	0	5	**30**	94	73	20	1	0	0	229	51-60	167
13:00	8	0	0	0	0	0	2	14	84	112	32	5	0	0	257	51-60	196
14:00	5	0	0	0	0	0	1	11	60	115	34	5	0	0	231	51-60	175
15:00	9	0	0	0	0	0	8	10	**111**	133	59	4	1	0	335	51-60	244
16:00	**16**	0	0	0	0	0	2	16	93	185	69	7	1	**1**	**390**	51-60	278
17:00	5	0	0	0	0	0	0	1	64	**197**	**81**	8	1	0	357	56-65	278
18:00	4	0	0	0	0	0	1	5	50	131	69	**14**	**3**	1	278	56-65	200
19:00	2	0	0	0	0	0	2	8	49	93	38	3	0	0	195	51-60	142
20:00	2	0	0	0	0	0	**10**	21	60	46	8	0	0	0	147	51-60	106
21:00	2	0	0	0	0	0	9	18	45	38	6	0	0	0	118	51-60	83
22:00	1	0	0	0	0	0	0	8	39	31	1	6	0	0	86	51-60	70
23:00	2	0	0	0	0	0	4	8	30	20	5	0	0	0	69	51-60	50
Total	80	0	0	0	14	14	119	335	1156	1504	547	66	6	2	3843		
Percent	2.1%	0.0%	0.0%	0.0%	0.4%	0.4%	3.1%	8.7%	30.1%	39.1%	14.2%	1.7%	0.2%	0.1%			
AM Peak	11:00				09:00	05:00	11:00	10:00	10:00	07:00	11:00	07:00			11:00		
Vol.	7				8	4	24	48	75	57	24	3			215		
PM Peak	16:00						20:00	12:00	15:00	17:00	17:00	18:00	18:00	16:00	16:00		
Vol.	16						10	30	111	197	81	14	3	1	390		

Tri-State Traffic Data, Inc.
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(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/18/15	1	0	0	0	0	**2**	3	5	14	21	2	0	0	0	48	51-60	35
01:00	0	0	0	**1**	0	0	3	5	11	12	3	2	0	0	37	51-60	23
02:00	0	0	0	0	0	0	0	2	2	3	1	1	0	0	9	51-60	5
03:00	0	0	0	0	0	0	1	1	3	4	2	0	0	0	11	51-60	7
04:00	0	0	0	0	0	2	0	0	4	4	3	1	0	0	14	51-60	8
05:00	0	0	0	0	0	0	0	2	10	13	0	1	0	0	26	51-60	23
06:00	1	0	0	0	0	0	0	5	18	33	16	2	0	0	75	51-60	51
07:00	0	0	0	0	0	0	0	5	18	48	8	3	**1**	0	83	51-60	66
08:00	5	0	**1**	0	0	0	0	9	33	82	31	**4**	1	0	166	51-60	115
09:00	1	0	0	1	0	1	**6**	**13**	56	99	**37**	4	0	0	218	51-60	155
10:00	7	0	0	0	0	1	0	6	71	**143**	37	2	0	0	267	51-60	214
11:00	**15**	0	0	0	0	0	0	9	**86**	129	36	2	1	0	**278**	51-60	215
12 PM	8	0	0	0	0	0	0	13	88	144	34	4	0	0	291	51-60	232
13:00	**11**	0	0	0	0	0	4	27	**128**	132	29	6	0	0	**337**	51-60	260
14:00	8	0	0	0	0	0	4	9	81	**146**	30	4	**3**	**1**	286	51-60	227
15:00	4	0	0	0	0	0	3	19	84	132	**49**	4	0	0	295	51-60	216
16:00	2	0	0	0	0	0	0	25	73	124	40	**7**	0	0	271	51-60	197
17:00	10	0	0	0	0	0	0	16	70	123	47	5	0	0	271	51-60	193
18:00	2	0	0	0	**1**	0	3	10	64	90	31	7	1	0	209	51-60	154
19:00	1	0	0	0	0	0	1	9	33	73	31	4	2	0	154	51-60	106
20:00	1	0	0	0	0	0	3	11	41	44	22	1	1	0	124	51-60	85
21:00	2	0	0	0	0	1	**5**	**30**	55	51	6	1	0	0	151	51-60	106
22:00	0	0	0	0	0	1	4	13	29	38	5	2	0	1	93	51-60	67
23:00	1	0	0	0	0	**3**	1	6	26	29	6	1	0	0	73	51-60	55
Total	80	0	1	2	1	11	41	250	1098	1717	506	68	10	2	3787		
Percent	2.1%	0.0%	0.0%	0.1%	0.0%	0.3%	1.1%	6.6%	29.0%	45.3%	13.4%	1.8%	0.3%	0.1%			
AM Peak	11:00		08:00	01:00		00:00	09:00	09:00	11:00	10:00	09:00	08:00	07:00		11:00		
Vol.	15		1	1		2	6	13	86	143	37	4	1		278		
PM Peak	13:00				18:00	23:00	21:00	21:00	13:00	14:00	15:00	16:00	14:00	14:00	13:00		
Vol.	11				1	3	5	30	128	146	49	7	3	1	337		

Tri-State Traffic Data, Inc.
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(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
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Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/19/15	0	0	0	0	0	**1**	3	5	14	15	4	0	0	0	42	51-60	29
01:00	0	0	0	**1**	0	0	4	5	13	14	2	3	0	0	42	51-60	27
02:00	0	0	0	0	0	0	1	5	5	3	1	0	0	0	15	46-55	10
03:00	0	0	0	0	0	0	0	2	6	3	0	0	0	0	11	49-58	9
04:00	0	0	0	0	0	0	0	3	3	3	0	0	0	0	9	46-55	6
05:00	1	0	0	0	0	0	1	4	7	9	5	3	0	0	30	51-60	16
06:00	0	0	0	0	0	0	1	3	13	17	6	2	0	0	42	51-60	30
07:00	0	0	0	0	0	0	0	5	10	28	6	0	0	**1**	50	51-60	38
08:00	5	0	0	0	0	0	2	7	37	47	20	1	0	1	120	51-60	84
09:00	3	0	0	0	0	1	0	17	75	74	**23**	3	0	0	196	51-60	149
10:00	**7**	0	0	0	0	0	3	25	86	92	21	2	**1**	0	237	51-60	178
11:00	7	0	0	0	0	0	**5**	**26**	**96**	**99**	14	**5**	1	0	**253**	51-60	195
12 PM	**13**	0	0	0	**1**	**6**	**7**	**44**	97	**120**	20	**4**	0	0	**312**	51-60	217
13:00	8	0	0	0	0	0	3	20	118	116	26	1	1	0	293	51-60	234
14:00	7	0	0	0	0	0	7	35	**123**	95	13	1	0	0	281	51-60	218
15:00	3	0	0	0	0	0	0	21	82	114	**32**	4	0	0	256	51-60	196
16:00	5	0	0	0	0	0	4	27	87	104	25	1	0	0	253	51-60	191
17:00	3	0	0	0	0	1	7	7	70	92	26	3	0	0	209	51-60	162
18:00	1	0	0	0	0	0	0	5	56	78	24	1	0	0	165	51-60	134
19:00	1	0	0	0	0	0	1	14	44	82	16	2	0	0	160	51-60	126
20:00	0	0	0	0	1	0	2	18	59	35	6	0	**2**	0	123	51-60	94
21:00	0	0	0	0	0	1	0	9	50	33	5	1	0	0	99	51-60	83
22:00	0	0	0	0	1	1	1	8	19	26	3	1	0	0	60	51-60	45
23:00	1	0	0	0	0	0	0	6	8	10	0	1	0	0	26	51-60	18
Total	65	0	0	1	3	11	52	321	1178	1309	298	39	5	2	3284		
Percent	2.0%	0.0%	0.0%	0.0%	0.1%	0.3%	1.6%	9.8%	35.9%	39.9%	9.1%	1.2%	0.2%	0.1%			
AM Peak	10:00			01:00		00:00	11:00	11:00	11:00	11:00	09:00	11:00	10:00	07:00	11:00		
Vol.	7			1		1	5	26	96	99	23	5	1	1	253		
PM Peak	12:00				12:00	12:00	12:00	12:00	14:00	12:00	15:00	12:00	20:00		12:00		
Vol.	13				1	6	7	44	123	120	32	4	2		312		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/20/15	0	0	0	0	0	**1**	1	2	6	3	0	1	0	0	14	49-58	9
01:00	0	0	0	0	0	0	0	3	4	5	0	1	0	0	13	51-60	9
02:00	0	0	0	0	0	0	0	1	3	2	1	0	0	0	7	51-60	5
03:00	0	0	0	0	0	0	1	4	1	4	0	0	0	0	10	50-59	5
04:00	0	0	0	0	0	0	1	3	4	1	1	0	0	0	10	46-55	7
05:00	0	0	0	0	0	0	1	12	20	19	4	0	0	0	56	51-60	39
06:00	1	0	0	0	0	0	**4**	3	32	58	12	**3**	0	0	113	51-60	90
07:00	**12**	0	0	0	0	0	1	12	32	62	25	3	0	0	147	51-60	94
08:00	2	0	0	0	0	0	2	9	41	51	15	2	0	0	122	51-60	92
09:00	2	0	0	0	0	1	4	**13**	28	55	13	3	0	0	119	51-60	83
10:00	5	0	0	0	0	0	4	9	55	60	17	0	0	0	150	51-60	115
11:00	5	0	0	0	0	0	3	7	**63**	**88**	**27**	0	0	0	**193**	51-60	151
12 PM	2	0	0	0	0	0	2	21	71	74	26	3	0	0	199	51-60	145
13:00	4	0	0	0	0	0	6	22	53	87	18	3	0	0	193	51-60	140
14:00	3	0	0	0	0	2	1	20	58	100	28	1	1	0	214	51-60	158
15:00	**8**	0	0	0	0	0	0	17	60	94	23	2	1	0	205	51-60	154
16:00	4	0	0	0	**1**	**3**	**12**	**55**	**108**	108	22	1	0	0	**314**	51-60	216
17:00	7	0	0	0	0	0	0	7	74	**139**	**38**	**5**	**2**	0	272	51-60	213
18:00	2	0	0	0	0	0	0	8	61	69	24	2	0	0	166	51-60	130
19:00	1	0	0	0	0	0	2	9	41	42	14	2	0	0	111	51-60	83
20:00	2	0	0	0	0	0	2	15	29	36	8	0	0	0	92	51-60	65
21:00	1	0	0	0	0	0	1	17	16	23	6	2	0	0	66	51-60	39
22:00	0	0	0	0	0	0	3	2	10	13	5	0	0	0	33	51-60	23
23:00	0	0	0	0	0	0	0	5	13	14	3	0	0	0	35	51-60	27
Total	61	0	0	0	1	7	51	276	883	1207	330	34	4	0	2854		
Percent	2.1%	0.0%	0.0%	0.0%	0.0%	0.2%	1.8%	9.7%	30.9%	42.3%	11.6%	1.2%	0.1%	0.0%			
AM Peak	07:00					00:00	06:00	09:00	11:00	11:00	11:00	06:00			11:00		
Vol.	12					1	4	13	63	88	27	3			193		
PM Peak	15:00				16:00	16:00	16:00	16:00	16:00	17:00	17:00	17:00	17:00		16:00		
Vol.	8				1	3	12	55	108	139	38	5	2		314		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/21/15	0	0	0	0	0	0	2	2	1	12	6	0	**1**	0	24	56-65	18
01:00	0	0	0	0	0	0	1	5	9	6	3	0	0	0	24	49-58	15
02:00	0	0	0	0	0	0	0	1	3	8	1	0	0	0	13	51-60	11
03:00	0	0	0	0	0	0	0	2	2	2	0	0	0	0	6	45-54	4
04:00	0	0	0	0	0	0	0	1	3	6	2	0	0	0	12	51-60	9
05:00	0	0	0	0	0	0	2	5	14	21	6	4	0	0	52	51-60	35
06:00	4	0	0	0	0	0	1	14	31	55	22	3	1	0	131	51-60	86
07:00	**7**	0	0	0	0	0	1	7	45	71	25	**5**	0	0	161	51-60	116
08:00	3	0	0	0	0	**1**	**8**	13	42	51	20	3	0	0	141	51-60	93
09:00	4	0	0	0	0	0	4	15	33	61	15	4	0	0	136	51-60	94
10:00	3	0	0	0	0	0	5	**23**	47	52	**28**	4	1	0	163	51-60	99
11:00	5	0	0	0	0	0	2	13	**61**	**78**	23	3	0	0	**185**	51-60	139
12 PM	2	0	0	0	0	0	1	6	55	92	23	5	**1**	0	185	51-60	147
13:00	4	0	0	0	0	1	**17**	**15**	55	75	33	4	0	0	204	51-60	130
14:00	6	0	0	0	0	0	1	12	78	93	39	3	1	0	233	51-60	171
15:00	10	0	0	0	0	1	1	4	**81**	113	46	9	0	0	265	51-60	194
16:00	4	0	0	0	**1**	1	6	14	73	111	58	7	0	0	275	51-60	184
17:00	**13**	0	0	0	0	0	0	7	47	**134**	**78**	**10**	0	**1**	**290**	56-65	212
18:00	4	0	0	0	0	0	5	3	55	88	44	4	0	0	203	51-60	143
19:00	1	0	0	0	0	0	0	5	35	60	21	8	1	0	131	51-60	95
20:00	0	0	0	0	0	**3**	2	7	37	33	12	2	0	0	96	51-60	70
21:00	1	0	0	0	0	1	2	8	32	30	11	2	0	0	87	51-60	62
22:00	0	0	0	0	0	1	0	12	17	23	3	2	1	0	59	51-60	40
23:00	0	0	0	0	0	1	2	4	11	19	3	1	0	0	41	51-60	30
Total	71	0	0	0	1	10	63	198	867	1294	522	83	7	1	3117		
Percent	2.3%	0.0%	0.0%	0.0%	0.0%	0.3%	2.0%	6.4%	27.8%	41.5%	16.7%	2.7%	0.2%	0.0%			
AM Peak	07:00					08:00	08:00	10:00	11:00	11:00	10:00	07:00	00:00		11:00		
Vol.	7					1	8	23	61	78	28	5	1		185		
PM Peak	17:00				16:00	20:00	13:00	13:00	15:00	17:00	17:00	17:00	12:00	17:00	17:00		
Vol.	13				1	3	17	15	81	134	78	10	1	1	290		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Nb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/22/15	1	0	0	0	0	0	1	4	3	10	3	0	0	0	22	56-65	13
01:00	0	0	0	0	0	0	1	2	6	5	1	0	0	0	15	51-60	11
02:00	0	0	0	0	0	0	0	6	5	5	3	0	0	0	19	46-55	11
03:00	0	0	0	0	0	0	1	0	1	2	1	0	0	0	5	56-65	3
04:00	0	0	0	0	0	0	1	1	6	7	0	0	0	0	15	51-60	13
05:00	0	0	**1**	**1**	0	0	1	10	18	19	6	0	0	0	56	51-60	37
06:00	**5**	0	0	0	0	0	**2**	13	43	42	**18**	**5**	0	0	128	51-60	85
07:00	4	0	0	0	0	0	0	11	34	**70**	17	3	**1**	0	140	51-60	104
08:00	5	0	0	0	0	0	2	**31**	42	59	12	1	0	0	152	51-60	101
09:00	2	0	0	0	0	0	2	20	**52**	60	12	5	0	0	**153**	51-60	112
10:00	1	0	0	0	0	**1**	2	7	6	4	0	0	0	0	21	46-55	13
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
12 PM	**2**	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**	8-17	1
13:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	21	0	1	1	0	1	13	105	216	283	73	14	1	0	729		
Percent	2.9%	0.0%	0.1%	0.1%	0.0%	0.1%	1.8%	14.4%	29.6%	38.8%	10.0%	1.9%	0.1%	0.0%			
AM Peak	06:00		05:00	05:00		10:00	06:00	08:00	09:00	07:00	06:00	06:00	07:00		09:00		
Vol.	5		1	1		1	2	31	52	70	18	5	1		153		
PM Peak	12:00														12:00		
Vol.	2														2		
Total	500	0	3	6	21	75	426	1954	7214	9623	3057	394	37	8	23318		
Percent	2.1%	0.0%	0.0%	0.0%	0.1%	0.3%	1.8%	8.4%	30.9%	41.3%	13.1%	1.7%	0.2%	0.0%			

15th Percentile : 50 MPH
50th Percentile : 55 MPH
85th Percentile : 59 MPH
95th Percentile : 63 MPH

Stats

10 MPH Pace Speed : 51-60 MPH
Number in Pace : 16837
Percent in Pace : 72.2%
Number of Vehicles > 55 MPH : 13119
Percent of Vehicles > 55 MPH : 56.3%
Mean Speed(Average) : 55 MPH

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	**5**	0	0	0	0	0	**3**	**21**	**57**	**82**	**18**	**1**	0	0	**187**	51-60	139
12 PM	7	0	0	0	0	**2**	2	24	84	79	19	2	0	0	219	51-60	163
13:00	6	0	**1**	0	**3**	2	**7**	19	88	53	9	2	1	0	191	51-60	141
14:00	1	0	0	0	0	0	5	**40**	67	71	21	3	2	0	210	51-60	138
15:00	4	0	0	0	0	1	4	25	**93**	96	20	4	0	**2**	249	51-60	189
16:00	5	0	0	0	0	2	1	26	78	**108**	**40**	7	1	0	**268**	51-60	186
17:00	**8**	0	0	0	0	1	4	14	52	97	21	**8**	0	0	205	51-60	149
18:00	3	0	0	0	0	0	3	13	41	65	33	6	**3**	0	167	51-60	106
19:00	2	0	0	0	0	0	1	15	46	39	11	0	1	1	116	51-60	85
20:00	0	0	0	0	0	1	4	21	36	19	3	1	0	0	85	46-55	57
21:00	1	0	0	0	0	0	4	18	29	19	7	1	1	0	80	51-60	48
22:00	1	0	0	0	0	0	3	11	14	15	2	2	0	0	48	51-60	29
23:00	0	0	0	0	0	1	0	2	15	21	6	0	1	0	46	51-60	36
Total	43	0	1	0	3	10	41	249	700	764	210	37	10	3	2071		
Percent	2.1%	0.0%	0.0%	0.0%	0.1%	0.5%	2.0%	12.0%	33.8%	36.9%	10.1%	1.8%	0.5%	0.1%			
AM Peak	11:00						11:00	11:00	11:00	11:00	11:00	11:00			11:00		
Vol.	5						3	21	57	82	18	1			187		
PM Peak	17:00		13:00		13:00	12:00	13:00	14:00	15:00	16:00	16:00	17:00	18:00	15:00	16:00		
Vol.	8		1		3	2	7	40	93	108	40	8	3	2	268		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/16/15	0	0	0	0	0	0	2	5	6	2	2	0	**1**	0	18	46-55	11
01:00	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	40-49	2
02:00	0	0	0	0	0	1	0	1	1	3	1	0	1	0	8	56-65	4
03:00	0	0	0	0	0	0	0	1	4	7	4	2	0	0	18	56-65	11
04:00	0	0	0	0	0	0	0	2	16	7	3	1	0	0	29	51-60	23
05:00	0	0	0	0	1	1	2	7	23	48	5	**3**	0	0	90	51-60	71
06:00	2	0	0	0	0	0	2	13	56	101	33	3	0	**1**	211	51-60	157
07:00	4	0	0	0	0	1	9	28	**97**	**133**	**40**	2	0	0	**314**	51-60	230
08:00	4	0	0	0	2	0	6	26	71	73	21	0	0	0	203	51-60	144
09:00	4	0	0	0	0	3	8	36	65	44	4	0	0	0	164	51-60	109
10:00	**9**	0	**1**	**2**	**3**	3	9	41	58	45	6	1	0	1	179	51-60	103
11:00	3	0	0	0	1	**9**	**20**	**55**	71	61	7	0	0	0	227	51-60	132
12 PM	5	0	0	0	0	0	7	34	92	54	11	**3**	0	**2**	208	51-60	146
13:00	1	0	0	0	0	0	6	36	95	76	11	1	0	0	226	51-60	171
14:00	4	0	0	0	0	1	8	**38**	77	74	13	1	**1**	0	217	51-60	151
15:00	4	0	0	0	0	0	7	34	**119**	108	21	3	0	0	**296**	51-60	227
16:00	**8**	0	0	0	0	**5**	0	29	97	**121**	**25**	3	0	1	289	51-60	218
17:00	5	0	0	0	0	2	**14**	30	93	67	18	0	1	0	230	51-60	160
18:00	1	0	0	0	0	0	2	27	74	47	17	3	0	0	171	51-60	121
19:00	3	0	0	0	0	1	6	18	39	39	16	2	0	0	124	51-60	78
20:00	1	0	0	0	0	0	5	19	36	26	3	1	0	0	91	51-60	62
21:00	0	0	0	0	0	0	8	21	25	15	2	0	0	0	71	46-55	46
22:00	0	0	0	0	0	1	3	4	17	10	1	0	0	0	36	51-60	27
23:00	0	0	0	0	0	0	1	10	24	17	3	0	0	0	55	51-60	41
Total	58	0	1	2	7	28	125	517	1256	1178	267	29	4	5	3477		
Percent	1.7%	0.0%	0.0%	0.1%	0.2%	0.8%	3.6%	14.9%	36.1%	33.9%	7.7%	0.8%	0.1%	0.1%			
AM Peak	10:00		10:00	10:00	10:00	11:00	11:00	11:00	07:00	07:00	07:00	05:00	00:00	06:00	07:00		
Vol.	9		1	2	3	9	20	55	97	133	40	3	1	1	314		
PM Peak	16:00					16:00	17:00	14:00	15:00	16:00	16:00	12:00	14:00	12:00	15:00		
Vol.	8					5	14	38	119	121	25	3	1	2	296		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/17/15	0	0	0	0	0	0	0	4	2	3	4	0	0	0	13	55-64	7
01:00	0	0	0	0	0	1	0	1	1	1	0	0	0	0	4	44-53	2
02:00	0	0	0	0	0	0	2	5	2	1	1	0	0	0	11	46-55	7
03:00	1	0	0	0	0	1	1	5	5	7	0	0	0	0	20	50-59	12
04:00	0	0	0	0	0	0	3	7	15	6	2	0	0	0	33	46-55	22
05:00	0	0	0	0	2	3	8	20	33	22	7	0	0	0	95	50-59	55
06:00	3	0	0	0	1	1	5	26	67	73	16	1	**1**	0	194	51-60	140
07:00	6	0	0	0	0	0	5	56	**125**	**86**	**19**	1	0	0	**298**	51-60	211
08:00	4	0	0	0	0	1	8	36	95	77	12	**2**	1	0	236	51-60	172
09:00	**7**	**1**	**3**	3	4	7	6	32	80	43	3	0	0	0	189	51-60	123
10:00	4	1	0	**6**	**13**	**18**	25	29	80	38	2	1	0	0	217	51-60	118
11:00	5	0	0	0	6	11	**32**	**79**	92	34	2	1	0	0	262	46-55	171
12 PM	5	0	0	0	0	**4**	9	**51**	120	57	5	3	0	0	254	51-60	177
13:00	6	0	0	0	0	0	**14**	36	104	69	6	1	0	0	236	51-60	173
14:00	6	0	0	0	0	0	7	44	110	75	15	0	0	0	257	51-60	185
15:00	2	0	0	0	0	0	2	34	125	100	**33**	**4**	0	0	300	51-60	225
16:00	5	0	0	0	0	4	14	49	**135**	82	18	1	0	0	308	51-60	217
17:00	**11**	0	0	0	**1**	2	4	47	116	**107**	27	4	0	0	**319**	51-60	223
18:00	3	0	0	0	0	0	10	40	96	90	14	2	0	0	255	51-60	186
19:00	2	0	0	0	0	0	13	38	93	49	5	0	0	0	200	51-60	142
20:00	2	0	0	0	0	0	9	33	48	30	2	0	0	0	124	46-55	81
21:00	2	0	0	0	0	1	7	40	52	13	2	2	0	**1**	120	46-55	92
22:00	0	0	0	0	0	0	4	24	38	21	2	0	0	0	89	46-55	62
23:00	0	0	0	0	0	0	3	9	21	16	4	1	0	0	54	51-60	37
Total	74	2	3	9	27	54	191	745	1655	1100	201	24	2	1	4088		
Percent	1.8%	0.0%	0.1%	0.2%	0.7%	1.3%	4.7%	18.2%	40.5%	26.9%	4.9%	0.6%	0.0%	0.0%			
AM Peak	09:00	09:00	09:00	10:00	10:00	10:00	11:00	11:00	07:00	07:00	07:00	08:00	06:00		07:00		
Vol.	7	1	3	6	13	18	32	79	125	86	19	2	1		298		
PM Peak	17:00				17:00	12:00	13:00	12:00	16:00	17:00	15:00	15:00		21:00	17:00		
Vol.	11				1	4	14	51	135	107	33	4		1	319		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/18/15	1	0	0	0	0	0	5	6	10	7	1	0	0	0	30	49-58	17
01:00	0	0	0	0	0	0	2	4	5	6	1	0	0	0	18	50-59	11
02:00	0	0	0	0	0	1	1	0	8	6	1	0	0	0	17	51-60	14
03:00	0	0	0	0	0	0	2	2	2	6	1	1	0	0	14	51-60	8
04:00	0	0	0	0	**2**	0	0	5	3	2	3	0	0	0	15	46-55	8
05:00	0	0	0	0	1	0	1	9	13	13	4	1	0	**1**	43	51-60	26
06:00	0	0	0	0	0	0	2	7	25	30	15	**6**	**1**	0	86	51-60	55
07:00	1	0	0	0	0	0	2	12	50	62	**19**	2	0	0	148	51-60	112
08:00	4	0	0	0	0	0	8	24	82	97	14	1	1	0	231	51-60	179
09:00	3	0	**1**	0	0	**2**	7	45	104	55	13	1	0	0	231	51-60	159
10:00	6	0	0	0	0	0	**9**	**48**	96	96	11	0	0	0	266	51-60	192
11:00	**10**	0	0	0	0	0	4	39	**135**	**118**	19	3	0	0	**328**	51-60	253
12 PM	6	0	0	0	0	0	**6**	**51**	119	121	21	3	**1**	0	**328**	51-60	240
13:00	**7**	0	0	0	0	**2**	3	39	**130**	107	29	0	0	0	317	51-60	237
14:00	3	0	0	0	**1**	0	2	26	103	**127**	**36**	5	1	0	304	51-60	230
15:00	3	**1**	0	0	0	0	4	19	95	103	29	0	1	0	255	51-60	198
16:00	6	0	0	0	0	0	6	34	101	98	21	**8**	1	0	275	51-60	199
17:00	6	0	0	0	0	0	0	20	74	77	31	5	1	0	214	51-60	151
18:00	3	0	0	0	0	0	1	17	57	75	21	4	0	**1**	179	51-60	132
19:00	0	0	0	0	0	1	0	19	35	47	20	5	0	0	127	51-60	82
20:00	1	0	0	0	0	1	4	23	37	29	9	1	1	0	106	51-60	66
21:00	0	0	0	0	0	0	3	23	42	23	7	0	0	1	99	46-55	65
22:00	0	0	0	0	0	0	2	16	23	29	9	1	0	0	80	51-60	52
23:00	2	0	0	0	0	0	4	6	14	24	10	1	1	0	62	51-60	38
Total	62	1	1	0	4	7	78	494	1363	1358	345	48	9	3	3773		
Percent	1.6%	0.0%	0.0%	0.0%	0.1%	0.2%	2.1%	13.1%	36.1%	36.0%	9.1%	1.3%	0.2%	0.1%			
AM Peak	11:00		09:00		04:00	09:00	10:00	10:00	11:00	11:00	07:00	06:00	06:00	05:00	11:00		
Vol.	10		1		2	2	9	48	135	118	19	6	1	1	328		
PM Peak	13:00	15:00			14:00	13:00	12:00	12:00	13:00	14:00	14:00	16:00	12:00	18:00	12:00		
Vol.	7	1			1	2	6	51	130	127	36	8	1	1	328		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/19/15	1	0	0	0	0	**3**	2	2	12	7	3	0	0	0	30	51-60	19
01:00	0	0	**1**	0	0	1	2	3	4	2	2	0	0	0	15	46-55	7
02:00	0	0	0	0	**2**	2	2	2	4	4	0	0	0	0	16	50-59	8
03:00	0	0	0	0	0	1	0	7	6	8	0	1	0	0	23	49-58	14
04:00	0	0	0	0	0	0	2	0	1	3	1	0	0	0	7	56-65	4
05:00	1	0	0	0	0	0	1	0	8	8	3	0	0	0	21	51-60	16
06:00	0	0	0	0	0	0	1	1	13	20	5	7	0	0	47	51-60	33
07:00	0	0	0	0	0	1	3	7	16	32	21	**9**	**1**	0	90	56-65	53
08:00	3	0	0	0	0	0	1	7	50	69	19	3	0	0	152	51-60	119
09:00	1	0	0	0	0	2	4	15	63	70	17	0	0	**1**	173	51-60	133
10:00	**5**	0	0	0	0	0	**8**	27	87	**113**	**33**	0	1	0	**274**	51-60	200
11:00	2	0	1	0	0	2	4	**28**	**100**	100	18	1	1	0	257	51-60	200
12 PM	**6**	0	0	0	0	0	**10**	**35**	123	110	28	**5**	0	0	**317**	51-60	233
13:00	6	0	0	0	0	0	1	34	110	103	19	3	0	**1**	277	51-60	213
14:00	3	0	0	0	0	0	6	25	**150**	92	21	3	0	0	300	51-60	242
15:00	1	0	0	0	0	0	3	32	87	**111**	**39**	3	**2**	0	278	51-60	198
16:00	5	0	0	0	0	0	5	30	97	95	24	4	0	0	260	51-60	192
17:00	4	0	0	0	0	0	3	23	77	70	31	3	0	1	212	51-60	147
18:00	2	0	0	0	0	0	2	23	49	56	14	2	0	0	148	51-60	105
19:00	1	0	0	0	0	0	6	9	36	59	26	3	0	0	140	51-60	95
20:00	0	0	0	0	0	0	3	19	34	38	4	4	0	0	102	51-60	72
21:00	1	0	0	0	0	0	3	6	28	21	10	0	0	0	69	51-60	49
22:00	0	0	0	0	0	0	0	7	10	5	5	1	0	0	28	46-55	17
23:00	1	0	0	0	0	0	0	6	13	14	6	1	0	0	41	51-60	27
Total	43	0	2	0	2	12	72	348	1178	1210	349	53	5	3	3277		
Percent	1.3%	0.0%	0.1%	0.0%	0.1%	0.4%	2.2%	10.6%	35.9%	36.9%	10.6%	1.6%	0.2%	0.1%			
AM Peak	10:00		01:00		02:00	00:00	10:00	11:00	11:00	10:00	10:00	07:00	07:00	09:00	10:00		
Vol.	5		1		2	3	8	28	100	113	33	9	1	1	274		
PM Peak	12:00						12:00	12:00	14:00	15:00	15:00	12:00	15:00	13:00	12:00		
Vol.	6						10	35	150	111	39	5	2	1	317		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
Technician: MM

Site Code: 01
Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/20/15	0	0	0	0	0	0	0	3	3	1	0	1	0	0	8	46-55	6
01:00	0	0	**1**	0	0	0	1	1	3	1	1	0	0	0	8	51-60	4
02:00	0	0	0	0	0	0	0	1	1	1	1	0	0	0	4	44-53	2
03:00	0	0	0	0	0	0	1	0	1	3	1	0	0	0	6	56-65	4
04:00	0	0	0	0	0	0	2	5	9	10	2	1	**1**	**1**	31	51-60	19
05:00	0	0	0	0	0	2	3	10	37	30	12	1	1	0	96	51-60	67
06:00	0	0	0	0	**2**	1	7	30	72	80	21	1	1	1	216	51-60	152
07:00	5	0	0	0	0	1	4	44	**102**	**112**	**35**	1	0	0	**304**	51-60	214
08:00	1	0	0	0	0	0	4	32	72	61	11	**2**	1	0	184	51-60	133
09:00	**6**	0	0	0	0	1	1	15	68	37	7	0	0	0	135	51-60	105
10:00	2	0	0	0	0	**3**	**9**	24	61	39	9	2	0	1	150	51-60	100
11:00	2	0	0	0	0	0	5	**48**	85	50	6	2	0	0	198	51-60	135
12 PM	1	0	0	0	0	0	5	26	87	66	10	0	0	0	195	51-60	153
13:00	4	0	0	0	0	4	11	22	75	60	15	2	0	0	193	51-60	135
14:00	1	0	0	0	0	3	2	32	75	62	13	2	0	0	190	51-60	137
15:00	**8**	0	0	0	**2**	1	10	30	**96**	**74**	**18**	**3**	0	0	242	51-60	170
16:00	4	0	0	**1**	1	**10**	**38**	**61**	74	51	6	1	0	0	**247**	46-55	135
17:00	4	0	0	0	0	2	4	43	77	63	6	1	0	0	200	51-60	140
18:00	1	0	0	0	0	2	3	19	54	43	10	0	0	0	132	51-60	97
19:00	1	0	0	0	0	1	2	20	33	23	7	1	0	0	88	51-60	56
20:00	1	0	0	0	0	0	6	19	34	11	0	0	0	0	71	46-55	53
21:00	2	0	0	0	0	0	5	13	13	4	3	0	0	0	40	46-55	26
22:00	0	0	0	0	0	0	5	8	15	5	1	1	0	0	35	46-55	23
23:00	0	0	0	0	0	0	1	6	10	12	10	2	**1**	0	42	51-60	22
Total	43	0	1	1	5	31	129	512	1157	899	205	24	5	3	3015		
Percent	1.4%	0.0%	0.0%	0.0%	0.2%	1.0%	4.3%	17.0%	38.4%	29.8%	6.8%	0.8%	0.2%	0.1%			
AM Peak	09:00		01:00		06:00	10:00	10:00	11:00	07:00	07:00	07:00	08:00	04:00	04:00	07:00		
Vol.	6		1		2	3	9	48	102	112	35	2	1	1	304		
PM Peak	15:00			16:00	15:00	16:00	16:00	16:00	15:00	15:00	15:00	15:00	23:00		16:00		
Vol.	8			1	2	10	38	61	96	74	18	3	1		247		

Tri-State Traffic Data, Inc.
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(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
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Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/21/15	0	0	0	0	0	0	2	2	5	5	1	0	0	0	15	51-60	10
01:00	0	0	0	0	0	0	1	4	3	2	0	0	0	0	10	46-55	7
02:00	0	0	0	0	0	0	0	1	1	1	0	0	0	0	3	44-53	2
03:00	0	0	0	0	0	0	0	5	3	8	1	0	0	0	17	51-60	11
04:00	0	0	0	0	0	0	1	3	10	11	7	0	1	0	33	51-60	21
05:00	0	0	0	0	0	0	2	10	36	41	10	2	**2**	0	103	51-60	77
06:00	2	0	0	0	0	2	3	23	66	95	**25**	**3**	0	0	219	51-60	161
07:00	**6**	0	0	0	0	2	9	**48**	**121**	**113**	16	1	0	0	**316**	51-60	234
08:00	1	0	0	0	0	4	9	33	74	45	10	1	0	0	177	51-60	119
09:00	1	0	0	0	0	1	3	27	71	43	2	0	0	0	148	51-60	114
10:00	1	0	0	0	**6**	**13**	**10**	38	66	25	5	1	0	0	165	46-55	104
11:00	3	0	0	0	4	8	8	46	59	47	13	3	0	0	191	49-58	106
12 PM	1	0	0	0	0	0	2	46	**84**	45	14	0	0	0	192	46-55	130
13:00	**10**	0	0	0	**4**	**5**	**11**	**74**	67	31	4	0	0	2	208	46-55	141
14:00	7	**1**	0	**1**	2	0	4	18	57	59	47	27	8	4	235	51-60	116
15:00	7	0	0	0	0	1	4	19	42	**85**	57	27	8	2	**252**	56-65	142
16:00	4	0	0	0	0	0	4	21	43	61	73	36	6	1	249	56-65	134
17:00	5	0	**1**	0	0	0	1	11	25	58	**81**	**49**	14	3	248	56-65	139
18:00	4	0	0	0	0	0	0	4	10	25	57	49	**19**	**7**	175	61-70	106
19:00	3	0	0	0	0	0	0	3	3	18	27	29	16	7	106	61-70	56
20:00	3	0	0	0	0	2	0	1	9	28	35	26	8	3	115	56-65	63
21:00	0	0	1	0	0	0	1	1	3	16	12	15	5	3	57	56-65	28
22:00	0	0	0	0	0	0	0	0	1	4	8	8	7	4	32	61-70	16
23:00	0	0	0	0	0	0	0	2	1	10	5	8	14	6	46	66-75	22
Total	58	1	2	1	16	38	75	440	860	876	510	285	108	42	3312		
Percent	1.8%	0.0%	0.1%	0.0%	0.5%	1.1%	2.3%	13.3%	26.0%	26.4%	15.4%	8.6%	3.3%	1.3%			
AM Peak	07:00				10:00	10:00	10:00	07:00	07:00	07:00	06:00	06:00	05:00		07:00		
Vol.	6				6	13	10	48	121	113	25	3	2		316		
PM Peak	13:00	14:00	17:00	14:00	13:00	13:00	13:00	13:00	12:00	15:00	17:00	17:00	18:00	18:00	15:00		
Vol.	10	1	1	1	4	5	11	74	84	85	81	49	19	7	252		

Tri-State Traffic Data, Inc.
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Location: Pembroke, NY
Road: Alleghany Road
Segment: 794' South of Indian Falls Road
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Station ID:

Latitude: 0' 0.0000 Undefined

Sb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/22/15	0	0	0	0	0	0	0	0	1	4	4	5	4	2	20	66-75	9
01:00	0	0	0	0	0	0	1	0	0	0	3	1	0	0	5	61-70	4
02:00	0	0	0	0	0	0	0	0	0	2	1	1	0	1	5	54-63	3
03:00	0	0	0	0	0	0	0	0	3	2	3	2	4	1	15	66-75	6
04:00	0	0	0	0	0	0	0	0	4	7	4	6	4	3	28	56-65	11
05:00	1	0	0	0	**2**	0	0	0	6	7	22	24	17	11	90	61-70	46
06:00	5	0	0	**1**	0	0	**2**	1	8	14	32	64	62	**33**	222	66-75	126
07:00	2	0	0	0	0	**2**	0	0	5	**28**	**83**	**88**	**71**	23	**302**	61-70	171
08:00	**8**	**1**	0	0	0	0	0	**4**	**14**	23	42	47	29	12	180	61-70	89
09:00	2	0	0	0	1	0	0	2	13	27	49	52	17	10	173	61-70	101
10:00	0	0	0	0	0	0	0	0	5	6	9	2	0	0	22	56-65	15
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
12 PM	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	*	1
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	19	1	0	1	3	2	3	7	59	120	252	292	208	96	1063		
Percent	1.8%	0.1%	0.0%	0.1%	0.3%	0.2%	0.3%	0.7%	5.6%	11.3%	23.7%	27.5%	19.6%	9.0%			
AM Peak	08:00	08:00		06:00	05:00	07:00	06:00	08:00	08:00	07:00	07:00	07:00	07:00	06:00	07:00		
Vol.	8	1		1	2	2	2	4	14	28	83	88	71	33	302		
PM Peak	12:00														12:00		
Vol.	1														1		
Total	400	5	11	14	67	182	714	3312	8228	7505	2339	792	351	156	24076		
Percent	1.7%	0.0%	0.0%	0.1%	0.3%	0.8%	3.0%	13.8%	34.2%	31.2%	9.7%	3.3%	1.5%	0.6%			

15th Percentile : 48 MPH
50th Percentile : 54 MPH
85th Percentile : 59 MPH
95th Percentile : 64 MPH

Stats

10 MPH Pace Speed : 51-60 MPH
Number in Pace : 15733
Percent in Pace : 65.8%
Number of Vehicles > 55 MPH : 11143
Percent of Vehicles > 55 MPH : 46.6%
Mean Speed(Average) : 54 MPH

INDIAN FALLS ROAD -

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Start	13-Apr-15		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
Time	Eb	Wb	Eb	Wb	Eb	Wb	Eb	Wb	Eb	Wb	Eb	Wb	Eb	Wb	Eb	Wb
12:00 AM	*	*	*	*	*	*	2	1	6	1	6	3	2	3	4	2
01:00	*	*	*	*	*	*	2	1	2	2	2	2	6	16	3	5
02:00	*	*	*	*	*	*	0	0	0	0	3	0	8	8	3	2
03:00	*	*	*	*	*	*	1	1	1	1	3	2	11	4	4	2
04:00	*	*	*	*	*	*	2	4	0	7	0	0	1	0	1	3
05:00	*	*	*	*	*	*	11	15	8	12	5	7	3	3	7	9
06:00	*	*	*	*	*	*	20	33	21	31	11	16	6	2	14	20
07:00	*	*	*	*	*	*	**34**	**41**	**29**	**42**	17	18	10	12	22	28
08:00	*	*	*	*	*	*	30	31	23	20	25	17	16	22	24	22
09:00	*	*	*	*	*	*	20	25	18	21	38	26	22	33	24	26
10:00	*	*	*	*	*	*	21	21	20	26	**46**	43	**27**	**37**	**28**	**32**
11:00	*	*	*	*	*	*	23	29	29	20	37	**50**	24	29	28	32
12:00 PM	*	*	*	*	30	27	27	18	20	46	36	**43**	**47**	**56**	32	**38**
01:00	*	*	*	*	26	32	32	31	34	24	**38**	39	43	33	35	32
02:00	*	*	*	*	23	25	26	29	38	32	33	30	41	28	32	29
03:00	*	*	*	*	43	32	45	41	**55**	**48**	37	34	34	37	**43**	38
04:00	*	*	*	*	**47**	**40**	**56**	**44**	53	46	30	32	23	28	42	38
05:00	*	*	*	*	42	34	46	36	35	46	25	27	28	27	35	34
06:00	*	*	*	*	28	34	38	35	23	34	33	24	21	28	29	31
07:00	*	*	*	*	29	14	20	26	23	32	19	26	27	23	24	24
08:00	*	*	*	*	26	20	28	18	25	16	16	19	19	8	23	16
09:00	*	*	*	*	17	17	11	11	16	17	12	12	9	7	13	13
10:00	*	*	*	*	9	7	8	11	16	9	7	10	4	3	9	8
11:00	*	*	*	*	1	4	2	5	11	10	6	4	4	7	5	6
Lane	0	0	0	0	321	286	505	507	506	543	485	484	436	454	484	490
Day	0		0		607		1012		1049		969		890		974	
AM Peak	-	-	-	-	-	-	07:00	07:00	07:00	07:00	10:00	11:00	10:00	10:00	10:00	10:00
Vol.	-	-	-	-	-	-	34	41	29	42	46	50	27	37	28	32
PM Peak	-	-	-	-	16:00	16:00	16:00	16:00	15:00	15:00	13:00	12:00	12:00	12:00	15:00	12:00
Vol.	-	-	-	-	47	40	56	44	55	48	38	43	47	56	43	38

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Start	20-Apr-15		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
Time	Eb	Wb	Eb	Wb	Eb	Wb	Eb	Wb	Eb	Wb	Eb	Wb	Eb	Wb	Eb	Wb
12:00 AM	2	0	1	2	3	1	*	*	*	*	*	*	*	*	2	1
01:00	2	1	4	1	0	2	*	*	*	*	*	*	*	*	2	1
02:00	0	0	0	0	1	1	*	*	*	*	*	*	*	*	0	0
03:00	0	1	2	2	4	2	*	*	*	*	*	*	*	*	2	2
04:00	2	3	0	1	0	3	*	*	*	*	*	*	*	*	1	2
05:00	14	20	11	15	11	13	*	*	*	*	*	*	*	*	12	16
06:00	20	29	26	**35**	24	36	*	*	*	*	*	*	*	*	23	33
07:00	25	**46**	**37**	30	**25**	32	*	*	*	*	*	*	*	*	**29**	**36**
08:00	29	23	36	27	23	**37**	*	*	*	*	*	*	*	*	29	29
09:00	20	23	28	32	19	19	*	*	*	*	*	*	*	*	22	25
10:00	25	26	26	32	11	18	*	*	*	*	*	*	*	*	21	25
11:00	**36**	31	31	20	0	0	*	*	*	*	*	*	*	*	22	17
12:00 PM	20	26	25	26	**1**	0	*	*	*	*	*	*	*	*	15	17
01:00	18	24	21	31	1	0	*	*	*	*	*	*	*	*	13	18
02:00	36	28	30	31	0	0	*	*	*	*	*	*	*	*	22	20
03:00	29	27	**47**	35	0	**1**	*	*	*	*	*	*	*	*	25	21
04:00	**62**	**43**	40	**50**	*	*	*	*	*	*	*	*	*	*	**51**	**46**
05:00	44	36	32	50	*	*	*	*	*	*	*	*	*	*	38	43
06:00	28	29	24	33	*	*	*	*	*	*	*	*	*	*	26	31
07:00	23	16	33	24	*	*	*	*	*	*	*	*	*	*	28	20
08:00	9	12	16	16	*	*	*	*	*	*	*	*	*	*	12	14
09:00	13	11	15	8	*	*	*	*	*	*	*	*	*	*	14	10
10:00	5	6	8	4	*	*	*	*	*	*	*	*	*	*	6	5
11:00	3	4	3	4	*	*	*	*	*	*	*	*	*	*	3	4
Lane	465	465	496	509	123	165	0	0	0	0	0	0	0	0	418	436
Day	930		1005		288		0		0		0		0		854	
AM Peak	11:00	07:00	07:00	06:00	07:00	08:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	36	46	37	35	25	37	-	-	-	-	-	-	-	-	29	36
PM Peak	16:00	16:00	15:00	16:00	12:00	15:00	-	-	-	-	-	-	-	-	16:00	16:00
Vol.	62	43	47	50	1	1	-	-	-	-	-	-	-	-	51	46

Comb. Total	930	1005	895	1012	1049	969	890	1828

ADT ADT 931 AADT 931

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	0	15	**12**	0	**3**	0	0	0	0	0	0	0	0	30
13:00	0	19	5	**1**	1	0	0	0	0	0	0	0	0	26
14:00	0	16	6	1	0	0	0	0	0	0	0	0	0	23
15:00	1	26	12	1	1	**1**	0	0	**1**	0	0	0	0	43
16:00	0	**34**	12	0	1	0	0	0	0	0	0	0	0	**47**
17:00	**2**	27	11	0	0	1	0	0	1	0	0	0	0	42
18:00	0	22	5	0	1	0	0	0	0	0	0	0	0	28
19:00	0	23	6	0	0	0	0	0	0	0	0	0	0	29
20:00	1	19	4	0	1	1	0	0	0	0	0	0	0	26
21:00	0	13	4	0	0	0	0	0	0	0	0	0	0	17
22:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Day Total	4	223	78	3	8	3	0	0	2	0	0	0	0	321
Percent	1.2%	69.5%	24.3%	0.9%	2.5%	0.9%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.														
PM Peak Vol.	17:00 2	16:00 34	12:00 12	13:00 1	12:00 3	15:00 1			15:00 1					16:00 47

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/16/15	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
05:00	0	9	2	0	0	0	0	0	0	0	0	0	0	11
06:00	0	12	5	**1**	0	**1**	0	**1**	0	0	0	0	0	20
07:00	1	**21**	9	1	2	0	0	0	0	0	0	0	0	**34**
08:00	0	21	6	0	2	1	0	0	0	0	0	0	0	30
09:00	0	15	3	0	1	0	0	0	**1**	0	0	0	0	20
10:00	0	12	5	0	**3**	1	0	0	0	0	0	0	0	21
11:00	**2**	11	**10**	0	0	0	0	0	0	0	0	0	0	23
12 PM	0	17	6	1	**3**	0	0	0	0	0	0	0	0	27
13:00	0	19	8	1	3	0	0	**1**	0	0	0	0	0	32
14:00	0	18	4	**2**	2	0	0	0	0	0	0	0	0	26
15:00	0	36	7	1	1	0	0	0	0	0	0	0	0	45
16:00	0	**40**	14	0	2	0	0	0	0	0	0	0	0	**56**
17:00	**1**	26	**17**	0	1	**1**	0	0	0	0	0	0	0	46
18:00	1	25	8	0	3	1	0	0	0	0	0	0	0	38
19:00	0	15	5	0	0	0	0	0	0	0	0	0	0	20
20:00	0	25	3	0	0	0	0	0	0	0	0	0	0	28
21:00	0	6	5	0	0	0	0	0	0	0	0	0	0	11
22:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8
23:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
Day Total	5	338	124	7	23	5	0	2	1	0	0	0	0	505
Percent	1.0%	66.9%	24.6%	1.4%	4.6%	1.0%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	11:00	07:00	11:00	06:00	10:00	06:00		06:00	09:00					07:00
Vol.	2	21	10	1	3	1		1	1					34
PM Peak	17:00	16:00	17:00	14:00	12:00	17:00		13:00						16:00
Vol.	1	40	17	2	3	1		1						56

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/17/15	0	3	3	0	0	0	0	0	0	0	0	0	0	6
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	4	3	0	1	0	0	0	0	0	0	0	0	8
06:00	0	12	7	**1**	1	0	0	0	0	0	0	0	0	21
07:00	0	**20**	5	1	**2**	**1**	0	0	0	0	0	0	0	**29**
08:00	0	13	**9**	1	0	0	0	0	0	0	0	0	0	23
09:00	0	10	6	0	2	0	0	0	0	0	0	0	0	18
10:00	1	10	6	0	2	1	0	0	0	0	0	0	0	20
11:00	**2**	18	5	1	2	1	0	0	0	0	0	0	0	29
12 PM	0	12	4	0	3	**1**	0	0	0	0	0	0	0	20
13:00	0	27	7	0	0	0	0	0	0	0	0	0	0	34
14:00	0	28	7	**2**	1	0	0	0	0	0	0	0	0	38
15:00	0	**38**	**17**	0	0	0	0	0	0	0	0	0	0	**55**
16:00	0	36	11	0	**5**	0	0	0	**1**	0	0	0	0	53
17:00	0	24	10	0	1	0	0	0	0	0	0	0	0	35
18:00	0	15	7	0	1	0	0	0	0	0	0	0	0	23
19:00	**1**	14	6	0	1	1	0	0	0	0	0	0	0	23
20:00	0	16	7	0	2	0	0	0	0	0	0	0	0	25
21:00	0	13	3	0	0	0	0	0	0	0	0	0	0	16
22:00	0	10	5	1	0	0	0	0	0	0	0	0	0	16
23:00	0	8	3	0	0	0	0	0	0	0	0	0	0	11
Day Total	4	332	133	7	24	5	0	0	1	0	0	0	0	506
Percent	0.8%	65.6%	26.3%	1.4%	4.7%	1.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	11:00	07:00	08:00	06:00	07:00	07:00								07:00
Vol.	2	20	9	1	2	1								29
PM Peak	19:00	15:00	15:00	14:00	16:00	12:00			16:00					15:00
Vol.	1	38	17	2	5	1			1					55

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/18/15	0	4	2	0	0	0	0	0	0	0	0	0	0	6
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
03:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	4	0	0	1	0	0	0	0	0	0	0	0	5
06:00	0	5	6	0	0	0	0	0	0	0	0	0	0	11
07:00	0	11	5	0	1	0	0	0	0	0	0	0	0	17
08:00	**2**	14	9	0	0	0	0	0	0	0	0	0	0	25
09:00	0	26	10	0	1	**1**	0	0	0	0	0	0	0	38
10:00	1	**32**	10	**1**	1	0	0	0	**1**	0	0	0	0	**46**
11:00	0	22	**13**	0	**2**	0	0	0	0	0	0	0	0	37
12 PM	0	20	**12**	0	**4**	0	0	0	0	0	0	0	0	36
13:00	1	23	12	0	1	0	0	**1**	0	0	0	0	0	**38**
14:00	1	20	10	**1**	1	0	0	0	0	0	0	0	0	33
15:00	1	**31**	4	0	1	0	0	0	0	0	0	0	0	37
16:00	**2**	19	6	0	2	0	0	1	0	0	0	0	0	30
17:00	0	20	4	0	1	0	0	0	0	0	0	0	0	25
18:00	0	24	9	0	0	0	0	0	0	0	0	0	0	33
19:00	0	17	2	0	0	0	0	0	0	0	0	0	0	19
20:00	0	11	5	0	0	0	0	0	0	0	0	0	0	16
21:00	0	11	1	0	0	0	0	0	0	0	0	0	0	12
22:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7
23:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6
Day Total	8	332	123	2	16	1	0	2	1	0	0	0	0	485
Percent	1.6%	68.5%	25.4%	0.4%	3.3%	0.2%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	10:00	11:00	10:00	11:00	09:00			10:00					10:00
Vol.	2	32	13	1	2	1			1					46
PM Peak	16:00	15:00	12:00	14:00	12:00			13:00						13:00
Vol.	2	31	12	1	4			1						38

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/19/15	0	2	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	3	3	0	0	0	0	0	0	0	0	0	0	6
02:00	0	6	1	0	1	0	0	0	0	0	0	0	0	8
03:00	0	5	3	0	**3**	0	0	0	0	0	0	0	0	11
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
06:00	0	1	4	0	1	0	0	0	0	0	0	0	0	6
07:00	0	9	1	0	0	0	0	0	0	0	0	0	0	10
08:00	**1**	10	3	0	1	0	0	**1**	0	0	0	0	0	16
09:00	0	13	**8**	0	1	0	0	0	0	0	0	0	0	22
10:00	1	**20**	6	0	0	0	0	0	0	0	0	0	0	**27**
11:00	1	17	4	0	2	0	0	0	0	0	0	0	0	24
12 PM	0	**36**	**11**	0	0	0	0	0	0	0	0	0	0	**47**
13:00	0	29	11	0	**3**	0	0	0	0	0	0	0	0	43
14:00	0	31	10	0	0	0	0	0	0	0	0	0	0	41
15:00	**3**	22	9	0	0	0	0	0	0	0	0	0	0	34
16:00	0	17	6	0	0	0	0	0	0	0	0	0	0	23
17:00	2	20	5	0	1	0	0	0	0	0	0	0	0	28
18:00	0	16	3	0	2	0	0	0	0	0	0	0	0	21
19:00	0	17	9	0	0	0	0	**1**	0	0	0	0	0	27
20:00	0	14	4	**1**	0	0	0	0	0	0	0	0	0	19
21:00	0	7	2	0	0	0	0	0	0	0	0	0	0	9
22:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
23:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
Day Total	8	306	104	1	15	0	0	2	0	0	0	0	0	436
Percent	1.8%	70.2%	23.9%	0.2%	3.4%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	10:00	09:00		03:00			08:00						10:00
Vol.	1	20	8		3			1						27
PM Peak	15:00	12:00	12:00	20:00	13:00			19:00						12:00
Vol.	3	36	11	1	3			1						47

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/20/15	0	2	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:00	0	8	4	0	1	1	0	0	0	0	0	0	0	14
06:00	0	13	6	**1**	0	0	0	0	0	0	0	0	0	20
07:00	0	17	5	1	0	0	0	**2**	0	0	0	0	0	25
08:00	0	19	**10**	0	0	0	0	0	0	0	0	0	0	29
09:00	0	9	8	0	2	1	0	0	0	0	0	0	0	20
10:00	0	11	7	1	3	**2**	0	1	0	0	0	0	0	25
11:00	0	**23**	5	0	**6**	1	0	1	0	0	0	0	0	**36**
12 PM	0	10	8	0	2	0	0	0	0	0	0	0	0	20
13:00	0	9	4	0	**3**	**1**	0	0	**1**	0	0	0	0	18
14:00	0	26	9	**1**	0	0	0	0	0	0	0	0	0	36
15:00	0	22	7	0	0	0	0	0	0	0	0	0	0	29
16:00	0	**41**	**17**	1	2	1	0	0	0	0	0	0	0	**62**
17:00	0	27	13	0	3	0	0	**1**	0	0	0	0	0	44
18:00	0	16	10	0	2	0	0	0	0	0	0	0	0	28
19:00	0	18	5	0	0	0	0	0	0	0	0	0	0	23
20:00	0	6	3	0	0	0	0	0	0	0	0	0	0	9
21:00	0	9	4	0	0	0	0	0	0	0	0	0	0	13
22:00	0	2	3	0	0	0	0	0	0	0	0	0	0	5
23:00	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Day Total	0	291	132	5	24	7	0	5	1	0	0	0	0	465
Percent	0.0%	62.6%	28.4%	1.1%	5.2%	1.5%	0.0%	1.1%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak		11:00	08:00	06:00	11:00	10:00		07:00						11:00
Vol.		23	10	1	6	2		2						36
PM Peak		16:00	16:00	14:00	13:00	13:00		17:00	13:00					16:00
Vol.		41	17	1	3	1		1	1					62

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/21/15	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	3	6	1	1	0	0	0	0	0	0	0	0	11
06:00	0	18	5	**2**	0	**1**	0	0	0	0	0	0	0	26
07:00	0	21	**13**	0	**3**	0	0	0	0	0	0	0	0	**37**
08:00	0	**24**	11	1	0	0	0	0	0	0	0	0	0	36
09:00	0	14	11	1	2	0	0	0	0	0	0	0	0	28
10:00	0	14	8	1	3	0	0	0	0	0	0	0	0	26
11:00	**1**	13	13	0	3	0	0	0	**1**	0	0	0	0	31
12 PM	0	12	11	0	**2**	0	0	0	0	0	0	0	0	25
13:00	0	13	6	0	2	0	0	0	0	0	0	0	0	21
14:00	0	20	6	**1**	0	**1**	0	**2**	0	0	0	0	0	30
15:00	0	**25**	**18**	1	2	1	0	0	0	0	0	0	0	**47**
16:00	0	21	16	0	2	1	0	0	0	0	0	0	0	40
17:00	0	20	10	0	2	0	0	0	0	0	0	0	0	32
18:00	0	20	4	0	0	0	0	0	0	0	0	0	0	24
19:00	**2**	20	9	0	2	0	0	0	0	0	0	0	0	33
20:00	0	8	8	0	0	0	0	0	0	0	0	0	0	16
21:00	0	13	2	0	0	0	0	0	0	0	0	0	0	15
22:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8
23:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Day Total	3	292	162	8	24	4	0	2	1	0	0	0	0	496
Percent	0.6%	58.9%	32.7%	1.6%	4.8%	0.8%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	11:00	08:00	07:00	06:00	07:00	06:00			11:00					07:00
Vol.	1	24	13	2	3	1			1					37
PM Peak	19:00	15:00	15:00	14:00	12:00	14:00		14:00						15:00
Vol.	2	25	18	1	2	1		2						47

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/22/15	0	2	1	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	1	3	0	0	0	0	0	0	0	0	0	0	4
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	6	3	1	0	**1**	0	0	0	0	0	0	0	11
06:00	0	**14**	**9**	1	0	0	0	0	0	0	0	0	0	24
07:00	0	14	6	1	**3**	0	0	**1**	0	0	0	0	0	**25**
08:00	0	13	7	0	2	1	0	0	0	0	0	0	0	23
09:00	0	12	2	**3**	1	0	0	1	0	0	0	0	0	19
10:00	0	6	5	0	0	0	0	0	0	0	0	0	0	11
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PM	0	**1**	0	0	0	0	0	0	0	0	0	0	0	**1**
13:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Day Total	0	71	36	6	6	2	0	2	0	0	0	0	0	123
Percent	0.0%	57.7%	29.3%	4.9%	4.9%	1.6%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		06:00	06:00	09:00	07:00	05:00		07:00						07:00
Vol.		14	9	3	3	1		1						25
PM Peak		12:00												12:00
Vol.		1												1
Grand Total	32	2185	892	39	140	27	0	15	7	0	0	0	0	3337
Percent	1.0%	65.5%	26.7%	1.2%	4.2%	0.8%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	0	18	6	1	1	1	0	0	0	0	0	0	0	27
13:00	0	14	12	**2**	2	**2**	0	0	0	0	0	0	0	32
14:00	0	16	7	0	0	0	0	**1**	**1**	0	0	0	0	25
15:00	0	14	**14**	1	1	2	0	0	0	0	0	0	0	32
16:00	**1**	**28**	7	0	**3**	1	0	0	0	0	0	0	0	**40**
17:00	0	24	9	0	1	0	0	0	0	0	0	0	0	34
18:00	0	25	9	0	0	0	0	0	0	0	0	0	0	34
19:00	0	11	2	0	0	0	0	0	1	0	0	0	0	14
20:00	0	14	6	0	0	0	0	0	0	0	0	0	0	20
21:00	0	13	4	0	0	0	0	0	0	0	0	0	0	17
22:00	1	4	1	0	0	1	0	0	0	0	0	0	0	7
23:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Day Total	2	185	77	4	8	7	0	1	2	0	0	0	0	286
Percent	0.7%	64.7%	26.9%	1.4%	2.8%	2.4%	0.0%	0.3%	0.7%	0.0%	0.0%	0.0%	0.0%	
AM Peak														
Vol.														
PM Peak	16:00	16:00	15:00	13:00	16:00	13:00		14:00	14:00					16:00
Vol.	1	28	14	2	3	2		1	1					40

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/16/15	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4
05:00	**1**	10	2	0	1	1	0	0	0	0	0	0	0	15
06:00	0	23	7	0	3	0	0	0	0	0	0	0	0	33
07:00	0	**29**	8	0	2	**2**	0	0	0	0	0	0	0	**41**
08:00	0	18	**9**	0	2	1	0	0	**1**	0	0	0	0	31
09:00	0	15	6	0	**4**	0	0	0	0	0	0	0	0	25
10:00	0	13	6	0	2	0	0	0	0	0	0	0	0	21
11:00	0	16	9	**1**	1	1	0	0	1	0	0	0	0	29
12 PM	0	11	4	0	2	1	0	0	0	0	0	0	0	18
13:00	**1**	18	9	0	0	**3**	0	0	0	0	0	0	0	31
14:00	0	19	7	**1**	2	0	0	0	0	0	0	0	0	29
15:00	0	24	**13**	1	2	1	0	0	0	0	0	0	0	41
16:00	0	**30**	10	0	**4**	0	0	0	0	0	0	0	0	**44**
17:00	0	27	7	0	2	0	0	0	0	0	0	0	0	36
18:00	0	24	9	0	1	1	0	0	0	0	0	0	0	35
19:00	0	17	7	0	2	0	0	0	0	0	0	0	0	26
20:00	0	13	5	0	0	0	0	0	0	0	0	0	0	18
21:00	0	7	3	0	1	0	0	0	0	0	0	0	0	11
22:00	1	4	5	0	0	1	0	0	0	0	0	0	0	11
23:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
Day Total	3	325	131	3	31	12	0	0	2	0	0	0	0	507
Percent	0.6%	64.1%	25.8%	0.6%	6.1%	2.4%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	
AM Peak	05:00	07:00	08:00	11:00	09:00	07:00			08:00					07:00
Vol.	1	29	9	1	4	2			1					41
PM Peak	13:00	16:00	15:00	14:00	16:00	13:00								16:00
Vol.	1	30	13	1	4	3								44

Tri-State Traffic Data, Inc.
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(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/17/15	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	1	0	0	0	0	0	0	**1**	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	4	2	0	1	0	0	0	0	0	0	0	0	7
05:00	0	8	4	0	0	0	0	0	0	0	0	0	0	12
06:00	**1**	20	5	0	**4**	**1**	0	0	0	0	0	0	0	31
07:00	0	**30**	9	0	3	0	0	0	0	0	0	0	0	**42**
08:00	0	13	6	0	1	0	0	0	0	0	0	0	0	20
09:00	0	14	4	0	3	0	0	0	0	0	0	0	0	21
10:00	0	10	**12**	0	2	1	0	0	1	0	0	0	0	26
11:00	0	14	4	0	1	1	0	0	0	0	0	0	0	20
12 PM	0	27	15	0	3	**1**	0	0	0	0	0	0	0	46
13:00	0	15	6	**1**	2	0	0	0	0	0	0	0	0	24
14:00	0	22	8	1	1	0	0	0	0	0	0	0	0	32
15:00	0	24	**21**	1	1	1	0	0	0	0	0	0	0	**48**
16:00	0	**32**	13	0	0	0	0	0	**1**	0	0	0	0	46
17:00	0	32	10	0	**4**	0	0	0	0	0	0	0	0	46
18:00	**1**	22	9	0	2	0	0	0	0	0	0	0	0	34
19:00	0	19	10	0	3	0	0	0	0	0	0	0	0	32
20:00	1	12	3	0	0	0	0	0	0	0	0	0	0	16
21:00	0	13	4	0	0	0	0	0	0	0	0	0	0	17
22:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9
23:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10
Day Total	3	349	149	3	31	5	0	0	3	0	0	0	0	543
Percent	0.6%	64.3%	27.4%	0.6%	5.7%	0.9%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	
AM Peak	06:00	07:00	10:00		06:00	06:00			01:00					07:00
Vol.	1	30	12		4	1			1					42
PM Peak	18:00	16:00	15:00	13:00	17:00	12:00			16:00					15:00
Vol.	1	32	21	1	4	1			1					48

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/18/15	0	3	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	4	2	0	1	0	0	0	0	0	0	0	0	7
06:00	0	10	4	0	2	0	0	0	0	0	0	0	0	16
07:00	0	13	4	0	1	0	0	0	0	0	0	0	0	18
08:00	**1**	11	3	0	0	0	0	**2**	0	0	0	0	0	17
09:00	0	12	12	0	1	**1**	0	0	0	0	0	0	0	26
10:00	0	22	**18**	0	**3**	0	0	0	0	0	0	0	0	43
11:00	0	**33**	14	0	2	1	0	0	0	0	0	0	0	**50**
12 PM	1	**30**	**10**	0	2	0	0	0	0	0	0	0	0	**43**
13:00	**2**	26	9	0	0	**2**	0	0	0	0	0	0	0	39
14:00	2	19	6	0	**3**	0	0	0	0	0	0	0	0	30
15:00	1	25	7	0	1	0	0	0	0	0	0	0	0	34
16:00	1	25	6	0	0	0	0	0	0	0	0	0	0	32
17:00	1	18	7	0	1	0	0	0	0	0	0	0	0	27
18:00	0	16	8	0	0	0	0	0	0	0	0	0	0	24
19:00	2	19	5	0	0	0	0	0	0	0	0	0	0	26
20:00	0	14	2	**1**	2	0	0	0	0	0	0	0	0	19
21:00	0	8	3	0	1	0	0	0	0	0	0	0	0	12
22:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10
23:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Day Total	11	323	123	1	20	4	0	2	0	0	0	0	0	484
Percent	2.3%	66.7%	25.4%	0.2%	4.1%	0.8%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	11:00	10:00		10:00	09:00		08:00						11:00
Vol.	1	33	18		3	1		2						50
PM Peak	13:00	12:00	12:00	20:00	14:00	13:00								12:00
Vol.	2	30	10	1	3	2								43

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/19/15	0	2	0	0	0	0	0	0	**1**	0	0	0	0	3
01:00	0	10	5	0	1	0	0	0	0	0	0	0	0	16
02:00	0	2	4	0	1	0	0	0	0	**1**	0	0	0	8
03:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
06:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
07:00	**1**	6	4	0	1	0	0	0	0	0	0	0	0	12
08:00	1	15	4	**1**	0	**1**	0	0	0	0	0	0	0	22
09:00	1	22	7	0	**2**	0	0	**1**	0	0	0	0	0	33
10:00	0	**29**	7	0	1	0	0	0	0	0	0	0	0	**37**
11:00	0	18	**10**	0	1	0	0	0	0	0	0	0	0	29
12 PM	**4**	**39**	**13**	0	0	0	0	0	0	0	0	0	0	**56**
13:00	2	22	9	0	0	0	0	0	0	0	0	0	0	33
14:00	1	24	3	0	0	0	0	0	0	0	0	0	0	28
15:00	4	22	11	0	0	0	0	0	0	0	0	0	0	37
16:00	0	20	8	0	0	0	0	0	0	0	0	0	0	28
17:00	1	16	10	0	0	0	0	0	0	0	0	0	0	27
18:00	0	20	7	0	0	0	0	**1**	0	0	0	0	0	28
19:00	0	17	5	0	0	0	0	0	**1**	0	0	0	0	23
20:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8
21:00	0	5	1	0	**1**	0	0	0	0	0	0	0	0	7
22:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
23:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7
Day Total	15	311	113	1	8	1	0	2	2	1	0	0	0	454
Percent	3.3%	68.5%	24.9%	0.2%	1.8%	0.2%	0.0%	0.4%	0.4%	0.2%	0.0%	0.0%	0.0%	
AM Peak	07:00	10:00	11:00	08:00	09:00	08:00		09:00	00:00	02:00				10:00
Vol.	1	29	10	1	2	1		1	1	1				37
PM Peak	12:00	12:00	12:00		21:00			18:00	19:00					12:00
Vol.	4	39	13		1			1	1					56

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/20/15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
05:00	**1**	10	7	0	1	**1**	0	0	0	0	0	0	0	20
06:00	0	20	7	0	2	0	0	0	0	0	0	0	0	29
07:00	0	**29**	**14**	0	1	1	0	**1**	0	0	0	0	0	**46**
08:00	0	12	7	0	3	1	0	0	0	0	0	0	0	23
09:00	0	17	4	0	1	1	0	0	0	0	0	0	0	23
10:00	0	15	8	0	2	1	0	0	0	0	0	0	0	26
11:00	0	11	14	0	**5**	0	0	0	**1**	0	0	0	0	31
12 PM	0	11	8	0	3	**2**	0	**2**	0	0	0	0	0	26
13:00	0	15	6	**1**	1	1	0	0	0	0	0	0	0	24
14:00	0	18	8	0	2	0	0	0	0	0	0	0	0	28
15:00	0	15	9	1	1	0	0	0	0	**1**	0	0	0	27
16:00	0	24	**13**	0	**4**	1	0	1	0	0	0	0	0	**43**
17:00	0	**26**	8	0	2	0	0	0	0	0	0	0	0	36
18:00	0	21	6	0	0	1	0	0	**1**	0	0	0	0	29
19:00	0	12	4	0	0	0	0	0	0	0	0	0	0	16
20:00	0	6	6	0	0	0	0	0	0	0	0	0	0	12
21:00	0	5	4	0	2	0	0	0	0	0	0	0	0	11
22:00	0	3	3	0	0	0	0	0	0	0	0	0	0	6
23:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
Day Total	1	277	138	2	30	10	0	4	2	1	0	0	0	465
Percent	0.2%	59.6%	29.7%	0.4%	6.5%	2.2%	0.0%	0.9%	0.4%	0.2%	0.0%	0.0%	0.0%	
AM Peak	05:00	07:00	07:00		11:00	05:00		07:00	11:00					07:00
Vol.	1	29	14		5	1		1	1					46
PM Peak		17:00	16:00	13:00	16:00	12:00		12:00	18:00	15:00				16:00
Vol.		26	13	1	4	2		2	1	1				43

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/21/15	0	2	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	9	5	0	0	0	0	0	**1**	0	0	0	0	15
06:00	0	23	8	0	**3**	0	0	**1**	0	0	0	0	0	**35**
07:00	0	**24**	5	**1**	0	0	0	0	0	0	0	0	0	30
08:00	0	16	6	0	2	**2**	0	1	0	0	0	0	0	27
09:00	0	19	**10**	0	2	1	0	0	0	0	0	0	0	32
10:00	**1**	19	10	0	2	0	0	0	0	0	0	0	0	32
11:00	0	11	6	0	3	0	0	0	0	0	0	0	0	20
12 PM	0	11	7	0	3	**5**	0	0	0	0	0	0	0	26
13:00	0	19	8	**1**	3	0	0	0	0	0	0	0	0	31
14:00	**1**	15	13	0	0	2	0	0	0	0	0	0	0	31
15:00	0	19	12	1	2	0	0	**1**	0	0	0	0	0	35
16:00	0	26	**22**	0	2	0	0	0	0	0	0	0	0	**50**
17:00	0	**33**	12	0	**4**	1	0	0	0	0	0	0	0	50
18:00	0	21	11	0	1	0	0	0	0	0	0	0	0	33
19:00	1	18	4	0	1	0	0	0	0	0	0	0	0	24
20:00	0	11	5	0	0	0	0	0	0	0	0	0	0	16
21:00	0	3	5	0	0	0	0	0	0	0	0	0	0	8
22:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4
23:00	0	3	0	0	1	0	0	0	0	0	0	0	0	4
Day Total	3	305	154	3	29	11	0	3	1	0	0	0	0	509
Percent	0.6%	59.9%	30.3%	0.6%	5.7%	2.2%	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	10:00	07:00	09:00	07:00	06:00	08:00		06:00	05:00					06:00
Vol.	1	24	10	1	3	2		1	1					35
PM Peak	14:00	17:00	16:00	13:00	17:00	12:00		15:00						16:00
Vol.	1	33	22	1	4	5		1						50

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Alleghany Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code: 02
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
04/22/15	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
05:00	0	7	5	0	1	0	0	0	0	0	0	0	0	13
06:00	0	23	10	0	2	0	0	0	**1**	0	0	0	0	36
07:00	0	**25**	6	0	0	0	0	**1**	0	0	0	0	0	32
08:00	0	17	**13**	**1**	**5**	0	0	1	0	0	0	0	0	**37**
09:00	0	12	3	1	2	**1**	0	0	0	0	0	0	0	19
10:00	0	15	2	0	0	1	0	0	0	0	0	0	0	18
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Day Total	0	105	42	2	10	2	0	2	1	0	0	0	0	164
Percent	0.0%	64.0%	25.6%	1.2%	6.1%	1.2%	0.0%	1.2%	0.6%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	08:00	08:00	08:00	09:00		07:00	06:00					08:00
Vol.		25	13	1	5	1		1	1					37
PM Peak Vol.														
Grand Total	38	2180	927	19	167	52	0	14	13	2	0	0	0	3412
Percent	1.1%	63.9%	27.2%	0.6%	4.9%	1.5%	0.0%	0.4%	0.4%	0.1%	0.0%	0.0%	0.0%	

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	0	0	0	1	2	**18**	8	1	0	0	0	0	0	0	30	36-45	26
13:00	0	0	0	1	6	10	6	2	1	0	0	0	0	0	26	31-40	16
14:00	0	0	0	1	2	10	9	1	0	0	0	0	0	0	23	36-45	19
15:00	0	0	0	**4**	5	11	**19**	3	1	0	0	0	0	0	43	36-45	30
16:00	**1**	0	0	2	**9**	13	13	**7**	**2**	0	0	0	0	0	**47**	36-45	26
17:00	0	0	**1**	2	3	17	12	5	2	0	0	0	0	0	42	36-45	29
18:00	0	0	0	0	5	3	16	4	0	0	0	0	0	0	28	39-48	20
19:00	0	0	0	0	4	14	11	0	0	0	0	0	0	0	29	36-45	25
20:00	0	0	0	4	3	11	5	2	0	**1**	0	0	0	0	26	35-44	16
21:00	0	0	0	0	4	9	2	0	2	0	0	0	0	0	17	31-40	13
22:00	0	0	0	0	1	6	2	0	0	0	0	0	0	0	9	36-45	8
23:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	34-43	1
Total	1	0	1	15	44	122	104	25	8	1	0	0	0	0	321		
Percent	0.3%	0.0%	0.3%	4.7%	13.7%	38.0%	32.4%	7.8%	2.5%	0.3%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	16:00 1		17:00 1	15:00 4	16:00 9	12:00 18	15:00 19	16:00 7	16:00 2	20:00 1					16:00 47		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/16/15	0	0	**1**	0	0	0	1	0	0	0	0	0	0	0	2	14-23	1
01:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2	24-33	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
04:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	29-38	2
05:00	0	0	0	1	2	4	3	1	0	0	0	0	0	0	11	34-43	7
06:00	0	0	0	0	5	10	5	0	0	0	0	0	0	0	20	31-40	15
07:00	0	0	0	2	3	12	**13**	**3**	0	**1**	0	0	0	0	**34**	36-45	25
08:00	0	0	0	1	7	**14**	6	1	0	1	0	0	0	0	30	31-40	21
09:00	0	0	1	0	**8**	6	2	3	0	0	0	0	0	0	20	31-40	14
10:00	0	0	0	**3**	5	9	2	2	0	0	0	0	0	0	21	31-40	14
11:00	0	0	0	3	7	5	6	2	0	0	0	0	0	0	23	30-39	12
12 PM	0	0	0	1	6	7	10	3	0	0	0	0	0	0	27	36-45	17
13:00	**1**	0	0	1	4	11	12	3	0	0	0	0	0	0	32	36-45	23
14:00	0	0	0	0	1	11	10	3	1	0	0	0	0	0	26	36-45	21
15:00	0	0	0	0	6	18	15	**4**	**2**	0	0	0	0	0	45	36-45	33
16:00	1	0	0	1	6	18	**26**	4	0	0	0	0	0	0	**56**	36-45	44
17:00	1	0	**1**	1	6	**21**	13	3	0	0	0	0	0	0	46	36-45	34
18:00	0	0	0	**2**	6	10	16	3	1	0	0	0	0	0	38	36-45	26
19:00	0	0	0	0	0	12	7	1	0	0	0	0	0	0	20	36-45	19
20:00	0	0	0	0	**9**	8	10	1	0	0	0	0	0	0	28	34-43	18
21:00	0	0	0	0	3	2	3	3	0	0	0	0	0	0	11	39-48	6
22:00	0	0	0	0	0	4	3	0	0	**1**	0	0	0	0	8	36-45	7
23:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	29-38	2
Total	3	0	3	17	87	184	164	40	4	3	0	0	0	0	505		
Percent	0.6%	0.0%	0.6%	3.4%	17.2%	36.4%	32.5%	7.9%	0.8%	0.6%	0.0%	0.0%	0.0%	0.0%			
AM Peak			00:00	10:00	09:00	08:00	07:00	07:00		07:00					07:00		
Vol.			1	3	8	14	13	3		1					34		
PM Peak	13:00		17:00	18:00	20:00	17:00	16:00	15:00	15:00	22:00					16:00		
Vol.	1		1	2	9	21	26	4	2	1					56		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/17/15	0	0	0	0	2	4	0	0	0	0	0	0	0	0	6	31-40	6
01:00	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	14-23	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	29-38	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	1	0	3	2	1	**1**	0	0	0	0	0	0	8	31-40	5
06:00	0	0	0	1	3	7	9	1	0	0	0	0	0	0	21	36-45	16
07:00	0	0	1	1	4	11	**11**	0	**1**	0	0	0	0	0	**29**	36-45	22
08:00	0	0	0	1	4	**12**	5	1	0	0	0	0	0	0	23	34-43	17
09:00	0	0	0	0	3	10	5	0	0	0	0	0	0	0	18	35-44	15
10:00	0	0	**2**	1	4	7	6	0	0	0	0	0	0	0	20	35-44	13
11:00	0	0	2	**4**	**5**	10	6	1	1	0	0	0	0	0	29	34-43	16
12 PM	0	0	**3**	0	2	7	7	1	0	0	0	0	0	0	20	36-45	14
13:00	0	**1**	0	0	5	15	9	2	**2**	0	0	0	0	0	34	36-45	24
14:00	0	0	0	1	5	13	9	**9**	1	0	0	0	0	0	38	36-45	22
15:00	**1**	0	1	**2**	4	**18**	**25**	3	1	0	0	0	0	0	**55**	36-45	43
16:00	0	0	1	1	**6**	13	24	7	1	0	0	0	0	0	53	36-45	37
17:00	0	0	0	1	1	11	17	4	0	**1**	0	0	0	0	35	36-45	28
18:00	0	0	1	1	3	12	3	3	0	0	0	0	0	0	23	31-40	15
19:00	1	0	1	2	0	12	5	2	0	0	0	0	0	0	23	36-45	17
20:00	0	0	0	0	6	13	5	1	0	0	0	0	0	0	25	31-40	19
21:00	0	0	0	0	2	7	6	1	0	0	0	0	0	0	16	36-45	13
22:00	0	0	0	2	2	8	3	1	0	0	0	0	0	0	16	36-45	11
23:00	0	0	0	0	1	3	7	0	0	0	0	0	0	0	11	36-45	10
Total	2	1	14	18	65	197	163	38	7	1	0	0	0	0	506		
Percent	0.4%	0.2%	2.8%	3.6%	12.8%	38.9%	32.2%	7.5%	1.4%	0.2%	0.0%	0.0%	0.0%	0.0%			
AM Peak			10:00	11:00	11:00	08:00	07:00	05:00	07:00						07:00		
Vol.			2	4	5	12	11	1	1						29		
PM Peak	15:00	13:00	12:00	15:00	16:00	15:00	15:00	14:00	13:00	17:00					15:00		
Vol.	1	1	3	2	6	18	25	9	2	1					55		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/18/15	0	0	0	0	2	0	4	0	0	0	0	0	0	0	6	35-44	4
01:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2	29-38	1
02:00	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3	34-43	3
03:00	**2**	0	0	0	0	0	1	0	0	0	0	0	0	0	3	8-17	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	1	1	1	2	0	0	0	0	0	0	5	39-48	3
06:00	0	0	0	0	3	6	2	0	0	0	0	0	0	0	11	31-40	9
07:00	0	0	0	0	3	6	6	2	0	0	0	0	0	0	17	36-45	12
08:00	0	**1**	0	0	4	9	8	3	0	0	0	0	0	0	25	36-45	17
09:00	0	0	0	**3**	2	13	**13**	**6**	0	0	**1**	0	0	0	38	36-45	26
10:00	0	0	0	3	**5**	**22**	11	5	0	0	0	0	0	0	**46**	36-45	33
11:00	0	0	**1**	0	2	15	13	6	0	0	0	0	0	0	37	36-45	28
12 PM	0	0	0	0	**5**	14	13	3	1	0	0	0	0	0	36	36-45	27
13:00	0	0	0	0	5	11	**20**	2	0	0	0	0	0	0	**38**	36-45	31
14:00	**1**	0	0	0	4	**15**	9	2	**2**	0	0	0	0	0	33	36-45	24
15:00	0	**1**	0	0	4	13	15	**4**	0	0	0	0	0	0	37	36-45	28
16:00	0	0	0	0	4	11	10	3	1	**1**	0	0	0	0	30	36-45	21
17:00	0	0	0	0	5	9	10	1	0	0	0	0	0	0	25	36-45	19
18:00	0	0	0	**3**	4	14	9	2	1	0	0	0	0	0	33	36-45	23
19:00	0	0	0	0	1	9	8	1	0	0	0	0	0	0	19	36-45	17
20:00	0	0	0	0	2	6	6	2	0	0	0	0	0	0	16	36-45	12
21:00	0	0	0	1	2	5	3	1	0	0	0	0	0	0	12	34-43	8
22:00	0	0	0	0	1	5	1	0	0	0	0	0	0	0	7	31-40	6
23:00	0	0	0	0	0	2	3	1	0	0	0	0	0	0	6	36-45	5
Total	3	2	1	10	59	189	167	47	5	1	1	0	0	0	485		
Percent	0.6%	0.4%	0.2%	2.1%	12.2%	39.0%	34.4%	9.7%	1.0%	0.2%	0.2%	0.0%	0.0%	0.0%			
AM Peak	03:00	08:00	11:00	09:00	10:00	10:00	09:00	09:00			09:00				10:00		
Vol.	2	1	1	3	5	22	13	6			1				46		
PM Peak	14:00	15:00		18:00	12:00	14:00	13:00	15:00	14:00	16:00					13:00		
Vol.	1	1		3	5	15	20	4	2	1					38		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/19/15	0	0	0	0	1	0	0	**1**	0	0	0	0	0	0	2	24-33	1
01:00	0	**1**	0	0	1	1	3	0	0	0	0	0	0	0	6	35-44	4
02:00	0	1	0	0	1	4	1	1	0	0	0	0	0	0	8	34-43	5
03:00	0	0	0	1	**5**	2	3	0	0	0	0	0	0	0	11	29-38	7
04:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	29-38	1
05:00	0	0	0	0	0	1	2	0	0	0	0	0	0	0	3	35-44	3
06:00	0	0	0	1	2	1	1	1	0	0	0	0	0	0	6	31-40	3
07:00	0	0	0	0	0	8	2	0	0	0	0	0	0	0	10	35-44	10
08:00	0	0	0	0	4	9	3	0	0	0	0	0	0	0	16	31-40	13
09:00	0	0	0	0	3	11	7	1	0	0	0	0	0	0	22	36-45	18
10:00	0	0	0	**2**	2	**15**	6	1	**1**	0	0	0	0	0	**27**	36-45	21
11:00	0	0	0	0	5	10	**8**	1	0	0	0	0	0	0	24	36-45	18
12 PM	**3**	0	0	2	4	**21**	**17**	0	0	0	0	0	0	0	**47**	36-45	38
13:00	3	0	0	1	**7**	16	15	1	0	0	0	0	0	0	43	36-45	31
14:00	2	0	0	1	7	15	13	**3**	0	0	0	0	0	0	41	36-45	28
15:00	1	0	0	1	6	17	6	1	**2**	0	0	0	0	0	34	31-40	23
16:00	0	0	0	0	4	10	8	1	0	0	0	0	0	0	23	36-45	18
17:00	1	0	**1**	0	6	12	7	0	0	**1**	0	0	0	0	28	34-43	19
18:00	0	0	0	0	3	13	5	0	0	0	0	0	0	0	21	35-44	18
19:00	0	0	0	0	6	11	7	3	0	0	0	0	0	0	27	34-43	18
20:00	0	0	0	**3**	4	6	4	2	0	0	0	0	0	0	19	36-45	10
21:00	0	0	1	0	3	5	0	0	0	0	0	0	0	0	9	31-40	8
22:00	0	0	0	0	1	0	3	0	0	0	0	0	0	0	4	35-44	3
23:00	0	0	0	0	0	1	3	0	0	0	0	0	0	0	4	36-45	4
Total	10	2	2	12	75	190	124	17	3	1	0	0	0	0	436		
Percent	2.3%	0.5%	0.5%	2.8%	17.2%	43.6%	28.4%	3.9%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%			
AM Peak		01:00		10:00	03:00	10:00	11:00	00:00	10:00						10:00		
Vol.		1		2	5	15	8	1	1						27		
PM Peak	12:00		17:00	20:00	13:00	12:00	12:00	14:00	15:00	17:00					12:00		
Vol.	3		1	3	7	21	17	3	2	1					47		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/20/15	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	29-38	2
01:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	39-48	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	25-34	2
05:00	0	0	**1**	1	3	4	3	**2**	0	0	0	0	0	0	14	31-40	7
06:00	0	0	0	1	2	5	**11**	1	0	0	0	0	0	0	20	36-45	16
07:00	**1**	0	1	1	3	7	9	2	**1**	0	0	0	0	0	25	36-45	16
08:00	0	0	0	1	6	11	11	0	0	0	0	0	0	0	29	36-45	22
09:00	0	0	0	0	5	11	4	0	0	0	0	0	0	0	20	31-40	16
10:00	0	0	1	1	**7**	9	6	1	0	0	0	0	0	0	25	31-40	16
11:00	0	0	1	**4**	6	**14**	9	2	0	0	0	0	0	0	**36**	36-45	23
12 PM	0	0	0	0	6	7	4	**3**	0	0	0	0	0	0	20	31-40	13
13:00	0	0	0	**1**	5	4	4	3	0	**1**	0	0	0	0	18	31-40	9
14:00	0	0	0	1	5	14	12	3	0	1	0	0	0	0	36	36-45	26
15:00	0	0	0	1	5	10	11	2	0	0	0	0	0	0	29	36-45	21
16:00	0	0	0	1	**11**	**33**	**14**	3	0	0	0	0	0	0	**62**	36-45	47
17:00	**1**	0	0	1	5	20	14	3	0	0	0	0	0	0	44	36-45	34
18:00	0	0	0	0	2	11	12	3	0	0	0	0	0	0	28	36-45	23
19:00	0	0	0	1	5	9	8	0	0	0	0	0	0	0	23	36-45	17
20:00	0	0	0	0	2	6	1	0	0	0	0	0	0	0	9	31-40	8
21:00	0	0	0	1	2	6	3	1	0	0	0	0	0	0	13	34-43	9
22:00	0	0	0	0	1	4	0	0	0	0	0	0	0	0	5	31-40	5
23:00	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3	34-43	3
Total	2	0	4	16	84	188	138	30	1	2	0	0	0	0	465		
Percent	0.4%	0.0%	0.9%	3.4%	18.1%	40.4%	29.7%	6.5%	0.2%	0.4%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00		05:00	11:00	10:00	11:00	06:00	05:00	07:00						11:00		
Vol.	1		1	4	7	14	11	2	1						36		
PM Peak	17:00			13:00	16:00	16:00	16:00	12:00		13:00					16:00		
Vol.	1			1	11	33	14	3		1					62		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
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Latitude: 0' 0.0000 Undefined

Eb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/21/15	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	29-38	1
01:00	0	0	0	1	1	1	0	0	0	0	**1**	0	0	0	4	24-33	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	30-39	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	1	5	2	2	0	**1**	0	0	0	0	0	11	31-40	7
06:00	0	0	1	1	5	10	8	1	0	0	0	0	0	0	26	36-45	18
07:00	0	0	0	0	4	10	**17**	**6**	0	0	0	0	0	0	**37**	36-45	27
08:00	1	0	2	0	6	**16**	10	1	0	0	0	0	0	0	36	36-45	26
09:00	0	**2**	1	**8**	**7**	8	1	1	0	0	0	0	0	0	28	26-35	15
10:00	**3**	2	**6**	3	2	8	2	0	0	0	0	0	0	0	26	31-40	10
11:00	1	0	0	3	5	9	11	2	0	0	0	0	0	0	31	36-45	20
12 PM	0	0	0	1	4	11	8	1	0	0	0	0	0	0	25	36-45	19
13:00	0	0	**1**	0	3	10	7	0	0	0	0	0	0	0	21	36-45	17
14:00	**1**	0	0	**2**	3	15	7	1	**1**	0	0	0	0	0	30	36-45	22
15:00	0	0	0	1	4	19	**21**	2	0	0	0	0	0	0	**47**	36-45	40
16:00	0	0	0	1	2	**20**	15	1	1	0	0	0	0	0	40	36-45	35
17:00	0	0	0	0	**5**	12	14	1	0	0	0	0	0	0	32	36-45	26
18:00	0	0	0	0	0	11	8	**5**	0	0	0	0	0	0	24	36-45	19
19:00	0	0	0	2	2	10	16	3	0	0	0	0	0	0	33	36-45	26
20:00	0	0	0	1	3	10	2	0	0	0	0	0	0	0	16	31-40	13
21:00	0	0	0	0	0	6	7	2	0	0	0	0	0	0	15	36-45	13
22:00	0	0	0	0	1	5	2	0	0	0	0	0	0	0	8	36-45	7
23:00	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3	34-43	3
Total	6	4	11	25	62	198	159	27	3	0	1	0	0	0	496		
Percent	1.2%	0.8%	2.2%	5.0%	12.5%	39.9%	32.1%	5.4%	0.6%	0.0%	0.2%	0.0%	0.0%	0.0%			
AM Peak	10:00	09:00	10:00	09:00	09:00	08:00	07:00	07:00	05:00		01:00				07:00		
Vol.	3	2	6	8	7	16	17	6	1		1				37		
PM Peak	14:00		13:00	14:00	17:00	16:00	15:00	18:00	14:00						15:00		
Vol.	1		1	2	5	20	21	5	1						47		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Eb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/22/15	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3	34-43	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	34-43	1
03:00	0	0	0	0	2	1	1	0	0	0	0	0	0	0	4	29-38	3
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	**1**	1	3	2	3	1	0	0	0	0	0	0	11	29-38	5
06:00	0	0	0	0	**4**	9	**10**	1	0	0	0	0	0	0	24	36-45	19
07:00	0	0	0	0	4	11	7	**3**	0	0	0	0	0	0	**25**	36-45	18
08:00	0	0	0	**2**	3	**12**	4	2	0	0	0	0	0	0	23	36-45	16
09:00	0	0	0	2	3	4	8	2	0	0	0	0	0	0	19	36-45	12
10:00	**2**	0	0	0	3	3	3	0	0	0	0	0	0	0	11	31-40	6
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
12 PM	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	*	1
13:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	4	0	1	5	22	44	38	9	0	0	0	0	0	0	123		
Percent	3.3%	0.0%	0.8%	4.1%	17.9%	35.8%	30.9%	7.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00		05:00	08:00	06:00	08:00	06:00	07:00							07:00		
Vol.	2		1	2	4	12	10	3							25		
PM Peak	12:00														12:00		
Vol.	1														1		
Total	31	9	37	118	498	1312	1057	233	31	9	2	0	0	0	3337		
Percent	0.9%	0.3%	1.1%	3.5%	14.9%	39.3%	31.7%	7.0%	0.9%	0.3%	0.1%	0.0%	0.0%	0.0%			

	15th Percentile :	33 MPH
	50th Percentile :	38 MPH
	85th Percentile :	43 MPH
	95th Percentile :	47 MPH
Stats	10 MPH Pace Speed :	36-45 MPH
	Number in Pace :	2369
	Percent in Pace :	71.0%
	Number of Vehicles > 40 MPH :	1332
	Percent of Vehicles > 40 MPH :	39.9%
	Mean Speed(Average) :	39 MPH

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	0	0	0	1	4	7	13	2	0	0	0	0	0	0	27	36-45	20
13:00	0	0	**2**	0	**8**	**12**	9	1	0	0	0	0	0	0	32	34-43	21
14:00	0	0	0	**2**	1	7	11	2	**2**	0	0	0	0	0	25	36-45	18
15:00	0	0	0	2	2	9	12	7	0	0	0	0	0	0	32	36-45	21
16:00	**1**	0	0	1	2	7	**15**	**14**	0	0	0	0	0	0	**40**	41-50	29
17:00	0	0	0	0	6	5	12	9	2	0	0	0	0	0	34	41-50	21
18:00	0	0	0	0	3	12	10	8	1	0	0	0	0	0	34	36-45	22
19:00	0	0	0	1	1	4	6	2	0	0	0	0	0	0	14	36-45	10
20:00	0	0	0	0	0	8	9	3	0	0	0	0	0	0	20	36-45	17
21:00	0	0	0	0	5	6	3	3	0	0	0	0	0	0	17	31-40	11
22:00	0	0	0	1	4	0	2	0	0	0	0	0	0	0	7	26-35	5
23:00	0	0	0	0	0	2	0	1	1	0	0	0	0	0	4	30-39	2
Total	1	0	2	8	36	79	102	52	6	0	0	0	0	0	286		
Percent	0.3%	0.0%	0.7%	2.8%	12.6%	27.6%	35.7%	18.2%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	16:00 1		13:00 2	14:00 2	13:00 8	13:00 12	16:00 15	16:00 14	14:00 2						16:00 40		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/16/15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
01:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	39-48	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	34-43	1
04:00	0	0	0	0	0	1	1	2	0	0	0	0	0	0	4	39-48	3
05:00	0	0	0	2	2	5	4	2	0	0	0	0	0	0	15	36-45	9
06:00	0	0	0	0	5	4	14	**7**	**3**	0	0	0	0	0	33	41-50	21
07:00	0	0	0	1	3	**13**	**17**	6	0	**1**	0	0	0	0	**41**	36-45	30
08:00	0	0	1	2	3	8	10	6	1	0	0	0	0	0	31	36-45	18
09:00	0	0	0	0	5	6	13	1	0	0	0	0	0	0	25	36-45	19
10:00	0	0	0	**3**	3	7	5	3	0	0	0	0	0	0	21	35-44	12
11:00	0	0	**2**	2	**7**	6	10	2	0	0	0	0	0	0	29	36-45	16
12 PM	0	0	0	0	7	3	5	2	1	0	0	0	0	0	18	31-40	10
13:00	**1**	0	0	**3**	5	10	11	1	0	0	0	0	0	0	31	36-45	21
14:00	0	0	0	1	3	11	6	**6**	**2**	0	0	0	0	0	29	36-45	17
15:00	0	0	0	1	**8**	10	17	5	0	0	0	0	0	0	41	36-45	27
16:00	0	**1**	0	1	6	13	**18**	5	0	0	0	0	0	0	**44**	36-45	31
17:00	1	0	0	1	3	14	13	4	0	0	0	0	0	0	36	36-45	27
18:00	0	0	0	1	7	**20**	6	1	0	0	0	0	0	0	35	31-40	27
19:00	0	0	0	2	4	10	6	4	0	0	0	0	0	0	26	35-44	16
20:00	0	0	0	0	2	10	5	1	0	0	0	0	0	0	18	36-45	15
21:00	0	0	0	0	4	2	5	0	0	0	0	0	0	0	11	34-43	7
22:00	0	0	**2**	0	2	4	1	2	0	0	0	0	0	0	11	31-40	6
23:00	0	0	0	0	0	3	1	0	0	**1**	0	0	0	0	5	36-45	4
Total	2	1	5	21	79	160	169	61	7	2	0	0	0	0	507		
Percent	0.4%	0.2%	1.0%	4.1%	15.6%	31.6%	33.3%	12.0%	1.4%	0.4%	0.0%	0.0%	0.0%	0.0%			
AM Peak			11:00	10:00	11:00	07:00	07:00	06:00	06:00	07:00					07:00		
Vol.			2	3	7	13	17	7	3	1					41		
PM Peak	13:00	16:00	22:00	13:00	15:00	18:00	16:00	14:00	14:00	23:00					16:00		
Vol.	1	1	2	3	8	20	18	6	2	1					44		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/17/15	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	29-38	1
01:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	34-43	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	29-38	1
04:00	0	0	0	0	2	2	2	1	0	0	0	0	0	0	7	36-45	4
05:00	0	0	0	0	3	3	4	1	**1**	0	0	0	0	0	12	36-45	7
06:00	0	0	0	1	5	8	**15**	2	0	0	0	0	0	0	31	36-45	23
07:00	0	0	0	1	**7**	**15**	6	**13**	0	0	0	0	0	0	**42**	31-40	22
08:00	0	0	0	2	2	8	5	3	0	0	0	0	0	0	20	36-45	13
09:00	0	0	0	1	2	8	7	2	1	0	0	0	0	0	21	36-45	15
10:00	0	0	**1**	**3**	3	10	7	2	0	0	0	0	0	0	26	36-45	17
11:00	0	**1**	1	2	4	7	5	0	0	0	0	0	0	0	20	34-43	12
12 PM	0	0	**1**	3	**9**	**17**	12	3	**1**	0	0	0	0	0	46	36-45	29
13:00	0	**1**	1	**4**	4	6	7	1	0	0	0	0	0	0	24	36-45	13
14:00	0	0	0	2	1	17	8	3	0	0	**1**	0	0	0	32	36-45	25
15:00	0	0	1	3	8	13	**20**	2	1	0	0	0	0	0	**48**	36-45	33
16:00	**1**	0	0	2	5	14	14	**10**	0	0	0	0	0	0	46	36-45	28
17:00	0	0	0	0	3	15	19	8	1	0	0	0	0	0	46	36-45	34
18:00	0	0	0	1	5	11	15	2	0	0	0	0	0	0	34	36-45	26
19:00	0	0	0	3	5	14	6	3	1	0	0	0	0	0	32	34-43	20
20:00	0	0	0	2	3	4	6	1	0	0	0	0	0	0	16	36-45	10
21:00	0	0	1	0	0	7	8	1	0	0	0	0	0	0	17	36-45	15
22:00	0	0	0	1	0	4	4	0	0	0	0	0	0	0	9	36-45	8
23:00	0	0	0	1	1	2	5	0	0	**1**	0	0	0	0	10	36-45	7
Total	1	2	6	32	72	188	176	58	6	1	1	0	0	0	543		
Percent	0.2%	0.4%	1.1%	5.9%	13.3%	34.6%	32.4%	10.7%	1.1%	0.2%	0.2%	0.0%	0.0%	0.0%			
AM Peak		11:00	10:00	10:00	07:00	07:00	06:00	07:00	05:00						07:00		
Vol.		1	1	3	7	15	15	13	1						42		
PM Peak	16:00	13:00	12:00	13:00	12:00	12:00	15:00	16:00	12:00	23:00	14:00				15:00		
Vol.	1	1	1	4	9	17	20	10	1	1	1				48		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/18/15	0	0	0	0	0	1	2	0	0	0	0	0	0	0	3	35-44	3
01:00	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	44-53	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	34-43	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	**1**	0	1	0	2	1	1	1	0	0	0	0	0	7	36-45	3
06:00	0	0	0	0	2	8	4	2	0	0	0	0	0	0	16	36-45	12
07:00	0	0	0	0	1	4	7	**5**	1	0	0	0	0	0	18	39-48	12
08:00	**1**	0	0	0	3	5	7	0	1	0	0	0	0	0	17	36-45	12
09:00	0	0	0	1	2	11	6	5	1	0	0	0	0	0	26	36-45	17
10:00	0	0	0	**3**	**7**	16	11	4	**2**	0	0	0	0	0	43	36-45	27
11:00	0	0	0	1	7	**23**	**14**	4	1	0	0	0	0	0	**50**	36-45	37
12 PM	0	0	**2**	2	3	**16**	14	**5**	1	0	0	0	0	0	**43**	36-45	30
13:00	0	0	0	2	**7**	10	**15**	3	**2**	0	0	0	0	0	39	36-45	25
14:00	**1**	0	0	2	6	9	11	0	1	0	0	0	0	0	30	36-45	20
15:00	0	0	1	**3**	4	12	9	4	1	0	0	0	0	0	34	36-45	21
16:00	0	**1**	0	1	3	12	10	5	0	0	0	0	0	0	32	36-45	22
17:00	0	0	0	2	2	7	8	5	2	**1**	0	0	0	0	27	36-45	15
18:00	0	0	0	0	1	6	13	2	1	0	**1**	0	0	0	24	36-45	19
19:00	0	0	0	1	6	11	5	3	0	0	0	0	0	0	26	31-40	17
20:00	0	0	0	1	3	5	9	1	0	0	0	0	0	0	19	36-45	14
21:00	0	0	0	1	4	5	1	0	1	0	0	0	0	0	12	31-40	9
22:00	0	0	0	0	0	3	5	1	1	0	0	0	0	0	10	36-45	8
23:00	0	0	1	0	0	1	0	1	0	1	0	0	0	0	4	14-23	1
Total	2	2	4	21	61	168	153	52	18	2	1	0	0	0	484		
Percent	0.4%	0.4%	0.8%	4.3%	12.6%	34.7%	31.6%	10.7%	3.7%	0.4%	0.2%	0.0%	0.0%	0.0%			
AM Peak	08:00	05:00		10:00	10:00	11:00	11:00	07:00	10:00						11:00		
Vol.	1	1		3	7	23	14	5	2						50		
PM Peak	14:00	16:00	12:00	15:00	13:00	12:00	13:00	12:00	13:00	17:00	18:00				12:00		
Vol.	1	1	2	3	7	16	15	5	2	1	1				43		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/19/15	0	0	0	0	0	1	1	1	0	0	0	0	0	0	3	34-43	2
01:00	0	0	**1**	1	0	4	6	2	1	0	**1**	0	0	0	16	36-45	10
02:00	0	0	1	1	3	3	0	0	0	0	0	0	0	0	8	31-40	6
03:00	0	0	0	0	0	1	1	2	0	0	0	0	0	0	4	39-48	3
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3	30-39	3
06:00	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	40-49	2
07:00	0	0	0	0	2	1	6	3	0	0	0	0	0	0	12	40-49	9
08:00	0	0	1	1	1	5	11	3	0	0	0	0	0	0	22	36-45	16
09:00	0	0	0	0	**4**	**13**	9	5	**2**	0	0	0	0	0	33	36-45	22
10:00	0	0	1	1	2	12	**15**	**6**	0	0	0	0	0	0	**37**	36-45	27
11:00	0	0	0	**3**	2	10	9	4	1	0	0	0	0	0	29	36-45	19
12 PM	**1**	**1**	0	0	**10**	**22**	**15**	4	**3**	0	0	0	0	0	**56**	36-45	37
13:00	1	0	0	**2**	5	8	9	**8**	0	0	0	0	0	0	33	41-50	17
14:00	1	0	0	0	6	7	9	4	1	0	0	0	0	0	28	36-45	16
15:00	1	0	0	2	6	12	13	3	0	0	0	0	0	0	37	36-45	25
16:00	0	0	0	0	5	8	9	5	1	0	0	0	0	0	28	36-45	17
17:00	1	0	0	0	5	8	6	5	2	0	0	0	0	0	27	34-43	14
18:00	0	0	0	1	3	15	7	2	0	0	0	0	0	0	28	36-45	22
19:00	0	0	0	2	8	10	2	1	0	0	0	0	0	0	23	31-40	18
20:00	0	0	0	1	0	2	4	0	0	**1**	0	0	0	0	8	36-45	6
21:00	0	0	0	0	0	3	3	1	0	0	0	0	0	0	7	36-45	6
22:00	0	0	0	0	0	1	1	1	0	0	0	0	0	0	3	34-43	2
23:00	0	0	0	0	1	3	2	1	0	0	0	0	0	0	7	36-45	5
Total	5	1	4	15	64	151	138	63	11	1	1	0	0	0	454		
Percent	1.1%	0.2%	0.9%	3.3%	14.1%	33.3%	30.4%	13.9%	2.4%	0.2%	0.2%	0.0%	0.0%	0.0%			
AM Peak			01:00	11:00	09:00	09:00	10:00	10:00	09:00		01:00				10:00		
Vol.			1	3	4	13	15	6	2		1				37		
PM Peak	12:00	12:00		13:00	12:00	12:00	12:00	13:00	12:00	20:00					12:00		
Vol.	1	1		2	10	22	15	8	3	1					56		

Tri-State Traffic Data, Inc.
TSTData.com
(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/20/15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	34-43	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	24-33	1
04:00	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3	36-45	3
05:00	0	0	**1**	0	5	2	4	**5**	**3**	0	0	0	0	0	20	41-50	9
06:00	0	0	0	0	2	9	14	4	0	0	0	0	0	0	29	36-45	23
07:00	**1**	0	0	0	**9**	10	**19**	5	2	0	0	0	0	0	**46**	36-45	29
08:00	0	0	0	3	3	7	8	2	0	0	0	0	0	0	23	36-45	15
09:00	0	0	0	**4**	3	7	6	2	1	0	0	0	0	0	23	36-45	13
10:00	0	0	0	0	8	11	6	1	0	0	0	0	0	0	26	31-40	19
11:00	0	0	0	2	4	**12**	12	1	0	0	0	0	0	0	31	36-45	24
12 PM	0	0	0	**4**	4	5	8	3	**2**	0	0	0	0	0	26	36-45	13
13:00	0	0	0	1	3	11	5	4	0	0	0	0	0	0	24	36-45	16
14:00	0	0	**1**	3	5	8	7	3	1	0	0	0	0	0	28	35-44	15
15:00	0	0	0	2	4	6	10	5	0	0	0	0	0	0	27	36-45	16
16:00	**1**	0	1	1	**7**	**20**	12	1	0	0	0	0	0	0	**43**	36-45	32
17:00	1	0	0	0	1	8	**16**	**9**	1	0	0	0	0	0	36	39-48	25
18:00	0	0	0	2	5	10	9	3	0	0	0	0	0	0	29	36-45	19
19:00	0	0	0	0	5	5	5	1	0	0	0	0	0	0	16	36-45	10
20:00	0	0	0	1	1	6	3	1	0	0	0	0	0	0	12	35-44	9
21:00	0	0	0	0	1	3	7	0	0	0	0	0	0	0	11	36-45	10
22:00	0	0	0	0	1	2	2	1	0	0	0	0	0	0	6	36-45	4
23:00	0	0	0	0	0	3	1	0	0	0	0	0	0	0	4	34-43	4
Total	3	0	3	23	72	145	158	51	10	0	0	0	0	0	465		
Percent	0.6%	0.0%	0.6%	4.9%	15.5%	31.2%	34.0%	11.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00		05:00	09:00	07:00	11:00	07:00	05:00	05:00						07:00		
Vol.	1		1	4	9	12	19	5	3						46		
PM Peak	16:00		14:00	12:00	16:00	16:00	17:00	17:00	12:00						16:00		
Vol.	1		1	4	7	20	16	9	2						43		

Tri-State Traffic Data, Inc.
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(610) 466-1469

Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/21/15	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	35-44	2
01:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	39-48	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2	24-33	1
04:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	34-43	1
05:00	0	0	0	0	2	1	8	4	0	0	0	0	0	0	15	41-50	12
06:00	0	0	0	0	2	**17**	**12**	3	1	0	0	0	0	0	**35**	36-45	29
07:00	0	0	1	2	1	11	8	**6**	1	0	0	0	0	0	30	36-45	19
08:00	0	0	2	6	5	5	4	2	**3**	0	0	0	0	0	27	26-35	11
09:00	0	**1**	1	**11**	**13**	3	1	2	0	0	0	0	0	0	32	26-35	24
10:00	**1**	0	**3**	2	7	12	6	1	0	0	0	0	0	0	32	31-40	19
11:00	0	0	0	0	4	5	5	5	1	0	0	0	0	0	20	34-43	10
12 PM	1	0	0	**3**	2	8	8	3	0	**1**	0	0	0	0	26	36-45	16
13:00	0	0	0	1	3	**16**	9	2	0	0	0	0	0	0	31	36-45	25
14:00	1	0	**1**	3	3	13	6	3	**1**	0	0	0	0	0	31	36-45	19
15:00	0	0	0	2	4	16	10	3	0	0	0	0	0	0	35	36-45	26
16:00	0	0	0	2	7	13	18	**10**	0	0	0	0	0	0	**50**	36-45	31
17:00	**2**	0	0	3	**8**	10	**21**	5	1	0	0	0	0	0	50	36-45	31
18:00	0	0	0	0	2	14	9	7	0	1	0	0	0	0	33	36-45	23
19:00	0	0	0	0	5	6	8	5	0	0	0	0	0	0	24	36-45	14
20:00	0	0	0	0	6	5	4	1	0	0	0	0	0	0	16	31-40	11
21:00	0	0	0	1	1	1	2	2	1	0	0	0	0	0	8	39-48	4
22:00	0	0	0	0	1	3	0	0	0	0	0	0	0	0	4	31-40	4
23:00	0	0	0	0	0	3	0	0	0	0	**1**	0	0	0	4	31-40	3
Total	5	1	8	36	77	162	143	65	9	2	1	0	0	0	509		
Percent	1.0%	0.2%	1.6%	7.1%	15.1%	31.8%	28.1%	12.8%	1.8%	0.4%	0.2%	0.0%	0.0%	0.0%			
AM Peak	10:00	09:00	10:00	09:00	09:00	06:00	06:00	07:00	08:00						06:00		
Vol.	1	1	3	11	13	17	12	6	3						35		
PM Peak	17:00		14:00	12:00	17:00	13:00	17:00	16:00	14:00	12:00	23:00				16:00		
Vol.	2		1	3	8	16	21	10	1	1	1				50		

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Location: Pembroke, NY
Road: Indian Falls Road
Segment: 389' East of Alleghany Road
Technician: MM

Site Code:
Station ID:

Latitude: 0' 0.0000 Undefined

Wb

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	Pace Speed	Number in Pace
04/22/15	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	29-38	1
01:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2	29-38	1
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	29-38	1
03:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	35-44	2
04:00	0	0	0	0	0	1	2	0	0	0	0	0	0	0	3	35-44	3
05:00	0	0	0	0	3	1	6	2	0	**1**	0	0	0	0	13	41-50	8
06:00	0	0	0	0	4	**17**	10	5	0	0	0	0	0	0	36	36-45	27
07:00	0	0	0	**3**	4	10	6	**9**	0	0	0	0	0	0	32	35-44	16
08:00	0	0	0	1	4	10	**12**	8	**2**	0	0	0	0	0	**37**	36-45	22
09:00	0	0	**2**	0	**7**	1	5	3	1	0	0	0	0	0	19	29-38	8
10:00	**1**	0	1	2	2	7	3	2	0	0	0	0	0	0	18	36-45	10
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
12 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	1	0	3	6	24	50	46	30	3	1	0	0	0	0	164		
Percent	0.6%	0.0%	1.8%	3.7%	14.6%	30.5%	28.0%	18.3%	1.8%	0.6%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00		09:00	07:00	09:00	06:00	08:00	07:00	08:00	05:00					08:00		
Vol.	1		2	3	7	17	12	9	2	1					37		
PM Peak																	
Vol.																	
Total	20	7	35	162	485	1103	1085	432	70	9	4	0	0	0	3412		
Percent	0.6%	0.2%	1.0%	4.7%	14.2%	32.3%	31.8%	12.7%	2.1%	0.3%	0.1%	0.0%	0.0%	0.0%			

	15th Percentile :	32 MPH
	50th Percentile :	39 MPH
	85th Percentile :	45 MPH
	95th Percentile :	48 MPH
Stats	10 MPH Pace Speed :	36-45 MPH
	Number in Pace :	2188
	Percent in Pace :	64.1%
	Number of Vehicles > 40 MPH :	1600
	Percent of Vehicles > 40 MPH :	46.9%
	Mean Speed(Average) :	40 MPH

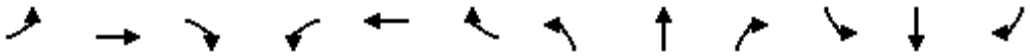
C. INTERSECTION CAPACITY ANALYSIS

EXISTING CONDITIONS -
BACKGROUND CONDTITIONS -
FUTURE CONDITIONS -
LEFT TURN LANE EVALUATION -
ROUNDABOUT EVALUATION -

EXISTING CONDITIONS

Morning Study Period -
Afternoon Study Period -

Morning Study Period -

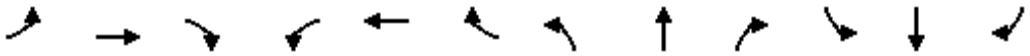


Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	13	7	15	6	10	1	142	4	13	178	2
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.83	0.83	0.83	0.86	0.86	0.86	0.90	0.90	0.90	0.77	0.77	0.77
Hourly flow rate (vph)	0	16	8	17	7	12	1	158	4	17	231	3
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	444	431	232	445	430	160	234			162		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	444	431	232	445	430	160	234			162		
tC, single (s)	7.1	6.5	6.2	7.2	6.5	6.3	4.1			4.2		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.6	4.0	3.4	2.2			2.3		
p0 queue free %	100	97	99	96	99	99	100			99		
cM capacity (veh/h)	510	514	812	493	514	865	1346			1381		

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	24	36	163	251
Volume Left	0	17	1	17
Volume Right	8	12	4	3
cSH	589	578	1346	1381
Volume to Capacity	0.04	0.06	0.00	0.01
Queue Length 95th (ft)	3	5	0	1
Control Delay (s)	11.4	11.6	0.1	0.6
Lane LOS	B	B	A	A
Approach Delay (s)	11.4	11.6	0.1	0.6
Approach LOS	B	B		

Intersection Summary				
Average Delay	1.8			
Intersection Capacity Utilization	33.6%	ICU Level of Service	A	
Analysis Period (min)	15			

Afternoon Study Period -



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	3	17	4	13	14	15	4	258	8	20	281	4
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.67	0.67	0.67	0.75	0.75	0.75	0.91	0.91	0.91	0.90	0.90	0.90
Hourly flow rate (vph)	4	25	6	17	19	20	4	284	9	22	312	4
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	685	660	314	674	658	288	317			292		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	685	660	314	674	658	288	317			292		
tC, single (s)	7.4	6.6	6.2	7.2	6.5	6.3	4.3			4.1		
tC, 2 stage (s)												
tF (s)	3.8	4.1	3.3	3.6	4.0	3.4	2.4			2.2		
p0 queue free %	98	93	99	95	95	97	100			98		
cM capacity (veh/h)	298	370	731	333	379	724	1124			1281		

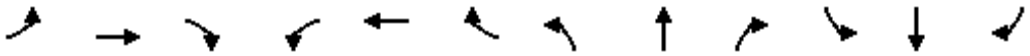
Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	36	56	297	339
Volume Left	4	17	4	22
Volume Right	6	20	9	4
cSH	390	434	1124	1281
Volume to Capacity	0.09	0.13	0.00	0.02
Queue Length 95th (ft)	8	11	0	1
Control Delay (s)	15.2	14.5	0.2	0.7
Lane LOS	C	B	A	A
Approach Delay (s)	15.2	14.5	0.2	0.7
Approach LOS	C	B		

Intersection Summary				
Average Delay	2.2			
Intersection Capacity Utilization	38.1%	ICU Level of Service	A	
Analysis Period (min)	15			

BACKGROUND CONDITIONS

Morning Study Period -
Afternoon Study Period -

Morning Study Period -



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	14	7	16	6	10	1	146	4	13	184	2
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.83	0.83	0.83	0.86	0.86	0.86	0.90	0.90	0.90	0.77	0.77	0.77
Hourly flow rate (vph)	0	17	8	19	7	12	1	162	4	17	239	3
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	456	443	240	458	442	164	242			167		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	456	443	240	458	442	164	242			167		
tC, single (s)	7.1	6.5	6.2	7.2	6.5	6.3	4.1			4.2		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.6	4.0	3.4	2.2			2.3		
p0 queue free %	100	97	99	96	99	99	100			99		
cM capacity (veh/h)	501	505	804	482	506	860	1337			1376		

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	25	37	168	258
Volume Left	0	19	1	17
Volume Right	8	12	4	3
cSH	577	565	1337	1376
Volume to Capacity	0.04	0.07	0.00	0.01
Queue Length 95th (ft)	3	5	0	1
Control Delay (s)	11.5	11.8	0.1	0.6
Lane LOS	B	B	A	A
Approach Delay (s)	11.5	11.8	0.1	0.6
Approach LOS	B	B		

Intersection Summary				
Average Delay	1.8			
Intersection Capacity Utilization	34.0%	ICU Level of Service	A	
Analysis Period (min)	15			

Afternoon Study Period -

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	3	18	4	13	14	16	4	266	8	21	289	4
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.67	0.67	0.67	0.75	0.75	0.75	0.91	0.91	0.91	0.90	0.90	0.90
Hourly flow rate (vph)	4	27	6	17	19	21	4	292	9	23	321	4
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	706	680	323	695	678	297	326			301		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	706	680	323	695	678	297	326			301		
tC, single (s)	7.4	6.6	6.2	7.2	6.5	6.3	4.3			4.1		
tC, 2 stage (s)												
tF (s)	3.8	4.1	3.3	3.6	4.0	3.4	2.4			2.2		
p0 queue free %	98	93	99	95	95	97	100			98		
cM capacity (veh/h)	287	360	722	321	368	715	1116			1271		

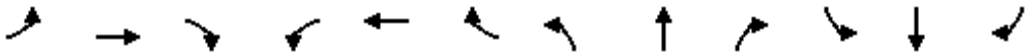
Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	37	57	305	349
Volume Left	4	17	4	23
Volume Right	6	21	9	4
cSH	379	426	1116	1271
Volume to Capacity	0.10	0.13	0.00	0.02
Queue Length 95th (ft)	8	12	0	1
Control Delay (s)	15.5	14.8	0.2	0.7
Lane LOS	C	B	A	A
Approach Delay (s)	15.5	14.8	0.2	0.7
Approach LOS	C	B		

Intersection Summary				
Average Delay	2.3			
Intersection Capacity Utilization	39.4%	ICU Level of Service	A	
Analysis Period (min)	15			

FUTURE CONDITIONS

Morning Study Period -
Afternoon Study Period -

Morning Study Period -



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	14	8	17	6	10	1	147	4	13	194	2
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.83	0.83	0.83	0.86	0.86	0.86	0.90	0.90	0.90	0.77	0.77	0.77
Hourly flow rate (vph)	0	17	10	20	7	12	1	163	4	17	252	3
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	470	457	253	473	456	166	255			168		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	470	457	253	473	456	166	255			168		
tC, single (s)	7.1	6.5	6.2	7.2	6.5	6.3	4.1			4.2		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.6	4.0	3.4	2.2			2.3		
p0 queue free %	100	97	99	96	99	99	100			99		
cM capacity (veh/h)	490	496	790	470	497	858	1322			1374		

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	27	38	169	271
Volume Left	0	20	1	17
Volume Right	10	12	4	3
cSH	574	551	1322	1374
Volume to Capacity	0.05	0.07	0.00	0.01
Queue Length 95th (ft)	4	6	0	1
Control Delay (s)	11.6	12.0	0.1	0.6
Lane LOS	B	B	A	A
Approach Delay (s)	11.6	12.0	0.1	0.6
Approach LOS	B	B		

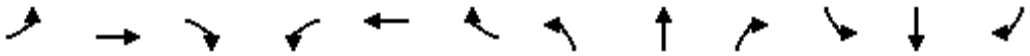
Intersection Summary				
Average Delay	1.9			
Intersection Capacity Utilization	34.5%	ICU Level of Service	A	
Analysis Period (min)	15			

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	4	1	151	30	10	209
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.92	0.92	0.92	0.25	0.92	0.92
Hourly flow rate (vph)	4	1	164	120	11	227
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	473	224			284	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	473	224			284	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	99	100			99	
cM capacity (veh/h)	545	815			1278	

Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	5	284	238
Volume Left	4	0	11
Volume Right	1	120	0
cSH	584	1700	1278
Volume to Capacity	0.01	0.17	0.01
Queue Length 95th (ft)	1	0	1
Control Delay (s)	11.2	0.0	0.4
Lane LOS	B		A
Approach Delay (s)	11.2	0.0	0.4
Approach LOS	B		

Intersection Summary			
Average Delay		0.3	
Intersection Capacity Utilization		29.1%	ICU Level of Service
Analysis Period (min)		15	

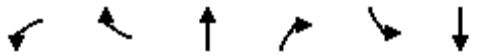
Afternoon Study Period -



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	3	18	4	14	14	16	4	279	9	21	298	4
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.67	0.67	0.67	0.75	0.75	0.75	0.91	0.91	0.91	0.90	0.90	0.90
Hourly flow rate (vph)	4	27	6	19	19	21	4	307	10	23	331	4
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	731	705	333	720	703	312	336			316		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	731	705	333	720	703	312	336			316		
tC, single (s)	7.4	6.6	6.2	7.2	6.5	6.3	4.3			4.1		
tC, 2 stage (s)												
tF (s)	3.8	4.1	3.3	3.6	4.0	3.4	2.4			2.2		
p0 queue free %	98	92	99	94	95	97	100			98		
cM capacity (veh/h)	275	348	713	308	356	702	1106			1255		

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	37	59	321	359
Volume Left	4	19	4	23
Volume Right	6	21	10	4
cSH	366	409	1106	1255
Volume to Capacity	0.10	0.14	0.00	0.02
Queue Length 95th (ft)	8	12	0	1
Control Delay (s)	15.9	15.3	0.2	0.7
Lane LOS	C	C	A	A
Approach Delay (s)	15.9	15.3	0.2	0.7
Approach LOS	C	C		

Intersection Summary				
Average Delay	2.3			
Intersection Capacity Utilization	40.3%	ICU Level of Service	A	
Analysis Period (min)	15			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	38	12	280	30	10	306
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.92	0.92	0.92	0.25	0.92	0.92
Hourly flow rate (vph)	41	13	304	120	11	333
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	719	364			424	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	719	364			424	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	89	98			99	
cM capacity (veh/h)	392	681			1135	

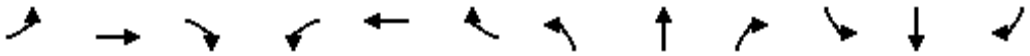
Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	54	424	343
Volume Left	41	0	11
Volume Right	13	120	0
cSH	436	1700	1135
Volume to Capacity	0.12	0.25	0.01
Queue Length 95th (ft)	11	0	1
Control Delay (s)	14.4	0.0	0.4
Lane LOS	B		A
Approach Delay (s)	14.4	0.0	0.4
Approach LOS	B		

Intersection Summary			
Average Delay		1.1	
Intersection Capacity Utilization		34.2%	ICU Level of Service
Analysis Period (min)		15	

LEFT TURN LANE EVALUATION

Morning Study Period -
Afternoon Study Period -

Morning Study Period -



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	14	8	17	6	10	1	147	4	13	194	2
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.83	0.83	0.83	0.86	0.86	0.86	0.90	0.90	0.90	0.77	0.77	0.77
Hourly flow rate (vph)	0	17	10	20	7	12	1	163	4	17	252	3
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	470	457	253	473	456	166	255			168		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	470	457	253	473	456	166	255			168		
tC, single (s)	7.1	6.5	6.2	7.2	6.5	6.3	4.1			4.2		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.6	4.0	3.4	2.2			2.3		
p0 queue free %	100	97	99	96	99	99	100			99		
cM capacity (veh/h)	490	496	790	470	497	858	1322			1374		

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	27	38	169	271
Volume Left	0	20	1	17
Volume Right	10	12	4	3
cSH	574	551	1322	1374
Volume to Capacity	0.05	0.07	0.00	0.01
Queue Length 95th (ft)	4	6	0	1
Control Delay (s)	11.6	12.0	0.1	0.6
Lane LOS	B	B	A	A
Approach Delay (s)	11.6	12.0	0.1	0.6
Approach LOS	B	B		

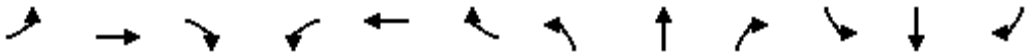
Intersection Summary				
Average Delay	1.9			
Intersection Capacity Utilization	34.5%	ICU Level of Service	A	
Analysis Period (min)	15			

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	4	1	151	30	10	209
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.92	0.92	0.92	0.25	0.92	0.92
Hourly flow rate (vph)	4	1	164	120	11	227
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	413	164			284	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	413	164			284	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	99	100			99	
cM capacity (veh/h)	590	880			1278	

Direction, Lane #	WB 1	NB 1	NB 2	SB 1	SB 2
Volume Total	5	164	120	11	227
Volume Left	4	0	0	11	0
Volume Right	1	0	120	0	0
cSH	632	1700	1700	1278	1700
Volume to Capacity	0.01	0.10	0.07	0.01	0.13
Queue Length 95th (ft)	1	0	0	1	0
Control Delay (s)	10.7	0.0	0.0	7.8	0.0
Lane LOS	B			A	
Approach Delay (s)	10.7	0.0		0.4	
Approach LOS	B				

Intersection Summary			
Average Delay	0.3		
Intersection Capacity Utilization	21.0%	ICU Level of Service	A
Analysis Period (min)	15		

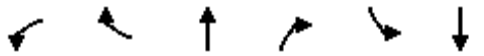
Afternoon Study Period -



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	3	18	4	14	14	16	4	279	9	21	298	4
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Peak Hour Factor	0.67	0.67	0.67	0.75	0.75	0.75	0.91	0.91	0.91	0.90	0.90	0.90
Hourly flow rate (vph)	4	27	6	19	19	21	4	307	10	23	331	4
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	731	705	333	720	703	312	336			316		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	731	705	333	720	703	312	336			316		
tC, single (s)	7.4	6.6	6.2	7.2	6.5	6.3	4.3			4.1		
tC, 2 stage (s)												
tF (s)	3.8	4.1	3.3	3.6	4.0	3.4	2.4			2.2		
p0 queue free %	98	92	99	94	95	97	100			98		
cM capacity (veh/h)	275	348	713	308	356	702	1106			1255		

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	37	59	321	359
Volume Left	4	19	4	23
Volume Right	6	21	10	4
cSH	366	409	1106	1255
Volume to Capacity	0.10	0.14	0.00	0.02
Queue Length 95th (ft)	8	12	0	1
Control Delay (s)	15.9	15.3	0.2	0.7
Lane LOS	C	C	A	A
Approach Delay (s)	15.9	15.3	0.2	0.7
Approach LOS	C	C		

Intersection Summary				
Average Delay	2.3			
Intersection Capacity Utilization	40.3%	ICU Level of Service	A	
Analysis Period (min)	15			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	38	12	280	30	10	306
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.92	0.92	0.92	0.25	0.92	0.92
Hourly flow rate (vph)	41	13	304	120	11	333
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type			None			None
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	659	304			424	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	659	304			424	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	90	98			99	
cM capacity (veh/h)	425	735			1135	

Direction, Lane #	WB 1	NB 1	NB 2	SB 1	SB 2
Volume Total	54	304	120	11	333
Volume Left	41	0	0	11	0
Volume Right	13	0	120	0	0
cSH	473	1700	1700	1135	1700
Volume to Capacity	0.12	0.18	0.07	0.01	0.20
Queue Length 95th (ft)	10	0	0	1	0
Control Delay (s)	13.6	0.0	0.0	8.2	0.0
Lane LOS	B			A	
Approach Delay (s)	13.6	0.0		0.3	
Approach LOS	B				

Intersection Summary			
Average Delay	1.0		
Intersection Capacity Utilization	26.1%	ICU Level of Service	A
Analysis Period (min)	15		

ROUNDABOUT EVALUATION

Morning Study Period -
Afternoon Study Period -

Morning Study Period -

Intersection	
Intersection Delay, s/veh	5.5
Intersection LOS	A

Approach	WB	NB	SB
Entry Lanes	1	1	1
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	5	284	238
Demand Flow Rate, veh/h	5	289	243
Vehicles Circulating, veh/h	167	11	4
Vehicles Exiting, veh/h	133	236	168
Follow-Up Headway, s	3.186	3.186	3.186
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	3.8	5.7	5.2
Approach LOS	A	A	A

Lane	Left	Left	Left
Designated Moves	LR	TR	LT
Assumed Moves	LR	TR	LT
RT Channelized			
Lane Util	1.000	1.000	1.000
Critical Headway, s	5.193	5.193	5.193
Entry Flow, veh/h	5	289	243
Cap Entry Lane, veh/h	956	1118	1125
Entry HV Adj Factor	1.000	0.982	0.981
Flow Entry, veh/h	5	284	238
Cap Entry, veh/h	956	1097	1104
V/C Ratio	0.005	0.259	0.216
Control Delay, s/veh	3.8	5.7	5.2
LOS	A	A	A
95th %tile Queue, veh	0	1	1

Intersection	
Intersection Delay, s/veh	5.7
Intersection LOS	A

Approach	EB	WB	NB	SB
Entry Lanes	1	1	1	1
Conflicting Circle Lanes	1	1	1	1
Adj Approach Flow, veh/h	27	39	168	272
Demand Flow Rate, veh/h	27	41	188	293
Vehicles Circulating, veh/h	311	184	35	29
Vehicles Exiting, veh/h	11	39	303	196
Follow-Up Headway, s	3.186	3.186	3.186	3.186
Ped Vol Crossing Leg, #/h	0	0	0	0
Ped Cap Adj	1.000	1.000	1.000	1.000
Approach Delay, s/veh	4.7	4.4	5.3	6.2
Approach LOS	A	A	A	A

Lane	Left	Left	Left	Left
Designated Moves	LTR	LTR	LTR	LTR
Assumed Moves	LTR	LTR	LTR	LTR
RT Channelized				
Lane Util	1.000	1.000	1.000	1.000
Critical Headway, s	5.193	5.193	5.193	5.193
Entry Flow, veh/h	27	41	188	293
Cap Entry Lane, veh/h	828	940	1091	1098
Entry HV Adj Factor	1.000	0.951	0.896	0.928
Flow Entry, veh/h	27	39	168	272
Cap Entry, veh/h	828	894	977	1018
V/C Ratio	0.033	0.044	0.172	0.267
Control Delay, s/veh	4.7	4.4	5.3	6.2
LOS	A	A	A	A
95th %tile Queue, veh	0	0	1	1

Afternoon Study Period -

Intersection	
Intersection Delay, s/veh	6.9
Intersection LOS	A

Approach	EB	WB	NB	SB
Entry Lanes	1	1	1	1
Conflicting Circle Lanes	1	1	1	1
Adj Approach Flow, veh/h	37	59	321	358
Demand Flow Rate, veh/h	40	64	338	386
Vehicles Circulating, veh/h	401	332	57	45
Vehicles Exiting, veh/h	30	63	384	351
Follow-Up Headway, s	3.186	3.186	3.186	3.186
Ped Vol Crossing Leg, #/h	0	0	0	0
Ped Cap Adj	1.000	1.000	1.000	1.000
Approach Delay, s/veh	5.6	5.6	6.8	7.4
Approach LOS	A	A	A	A

Lane	Left	Left	Left	Left
Designated Moves	LTR	LTR	LTR	LTR
Assumed Moves	LTR	LTR	LTR	LTR
RT Channelized				
Lane Util	1.000	1.000	1.000	1.000
Critical Headway, s	5.193	5.193	5.193	5.193
Entry Flow, veh/h	40	64	338	386
Cap Entry Lane, veh/h	757	811	1067	1080
Entry HV Adj Factor	0.934	0.922	0.949	0.926
Flow Entry, veh/h	37	59	321	358
Cap Entry, veh/h	707	747	1013	1001
V/C Ratio	0.053	0.079	0.317	0.357
Control Delay, s/veh	5.6	5.6	6.8	7.4
LOS	A	A	A	A
95th %tile Queue, veh	0	0	1	2

Intersection	
Intersection Delay, s/veh	6.9
Intersection LOS	A

Approach	WB	NB	SB
Entry Lanes	1	1	1
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	54	424	344
Demand Flow Rate, veh/h	55	432	351
Vehicles Circulating, veh/h	310	11	42
Vehicles Exiting, veh/h	133	382	323
Follow-Up Headway, s	3.186	3.186	3.186
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	5.1	7.3	6.6
Approach LOS	A	A	A

Lane	Left	Left	Left
Designated Moves	LR	TR	LT
Assumed Moves	LR	TR	LT
RT Channelized			
Lane Util	1.000	1.000	1.000
Critical Headway, s	5.193	5.193	5.193
Entry Flow, veh/h	55	432	351
Cap Entry Lane, veh/h	829	1118	1083
Entry HV Adj Factor	0.982	0.981	0.981
Flow Entry, veh/h	54	424	344
Cap Entry, veh/h	814	1097	1063
V/C Ratio	0.066	0.387	0.324
Control Delay, s/veh	5.1	7.3	6.6
LOS	A	A	A
95th %tile Queue, veh	0	2	1

D. SIGHT DISTANCE EVALUATIONS

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MEMO

To:	Darrell Meehl, RLA, ASLA	**Date:**	April 10, 2015
Company:	The LA Group	**Phone #:**	518-587-8100
Address:	40 Long Alley Saratoga Springs, NY 12866		
From:	Keith Mortimer	**CC:**	file
Subject:	WNY National Cemetery - Main (Public) Access Point - Sight Distance Evaluation (Passenger Car)		

Comments:

We have conducted a sight distance investigation at the proposed Western NY National Cemetery site and have identified an access point zone along the east side of Route 77 in which a main (public) access points to the site can be located that meets established intersection spacing and sight distance criteria for a passenger car. The investigation also determined that there are no recommended locations for access points on Indian Falls Road.

The findings of this investigation are considered close approximations based on direct field observation measurements. Measurements were not obtained through the use of a survey crew and survey instruments.

The attached figure summarizes the access point zone. The following portions of this memo provide an overview of the process used to determine the access point zone along the east side of Route 77.

Sight Distance & Intersection Spacing Criteria

Research was conducted to determine the adjacent roadway network characteristics and sight distance requirements prior to the field investigation using the following sources:

- Roadway Speeds: Speed data from NYSDOT's Traffic Data Viewer
- Minimum Stopping and Intersection Sight Distances:
  - AASHTO – A Policy on Geometric Design of Highways and Streets, 2011
  - NYSDOT – Highway Design Manual Appendix 5C, Intersection Sight Distance Charts
- Functional Area of an Intersection (minimum distance from other intersections):
  - FHWA - Access Management in the Vicinity of Intersections
  - AASHTO – A Policy on Geometric Design of Highways and Streets

From these sources the following criteria was identified for use in the determination of the access point zone for a passenger car:

- Assumed grades of -3% to +3%
- 85th Percentile Speed (Route 77*): ~60 mph
- Stopping Sight Distance: 570 feet
- Intersection Sight Distance:
  - Left turn from driveway: 665 feet - both directions
  - Right turn from driveway: 575 feet – one direction
- Minimum Distance from an Intersection: 605 feet

*Speed data for Indian Falls Road was unavailable

Access Point Zone Determination

An on-site sight distance investigation was conducted on Tuesday April 7th, 2015 to identify a zone in which access points meet the above criteria. The following procedure was used in the field to identify the zone:

1. Sight constraints included horizontal and vertical curves, and existing intersections.
2. At these constraint locations distances from the above criteria were measured.
3. Sight distances were verified at the measured distances utilizing methodology from AASHTO:
   a. Stopping Sight Distance:
      i. Height of Drivers Eye: 3.5 feet
      ii. Height of Object: 2.0 feet
   b. Intersection Sight Distance:
      i. Height of Drivers Eye: 3.5 feet
      ii. Height of Object: 2.0 feet
      iii. Distance from Curb: 10.0 feet

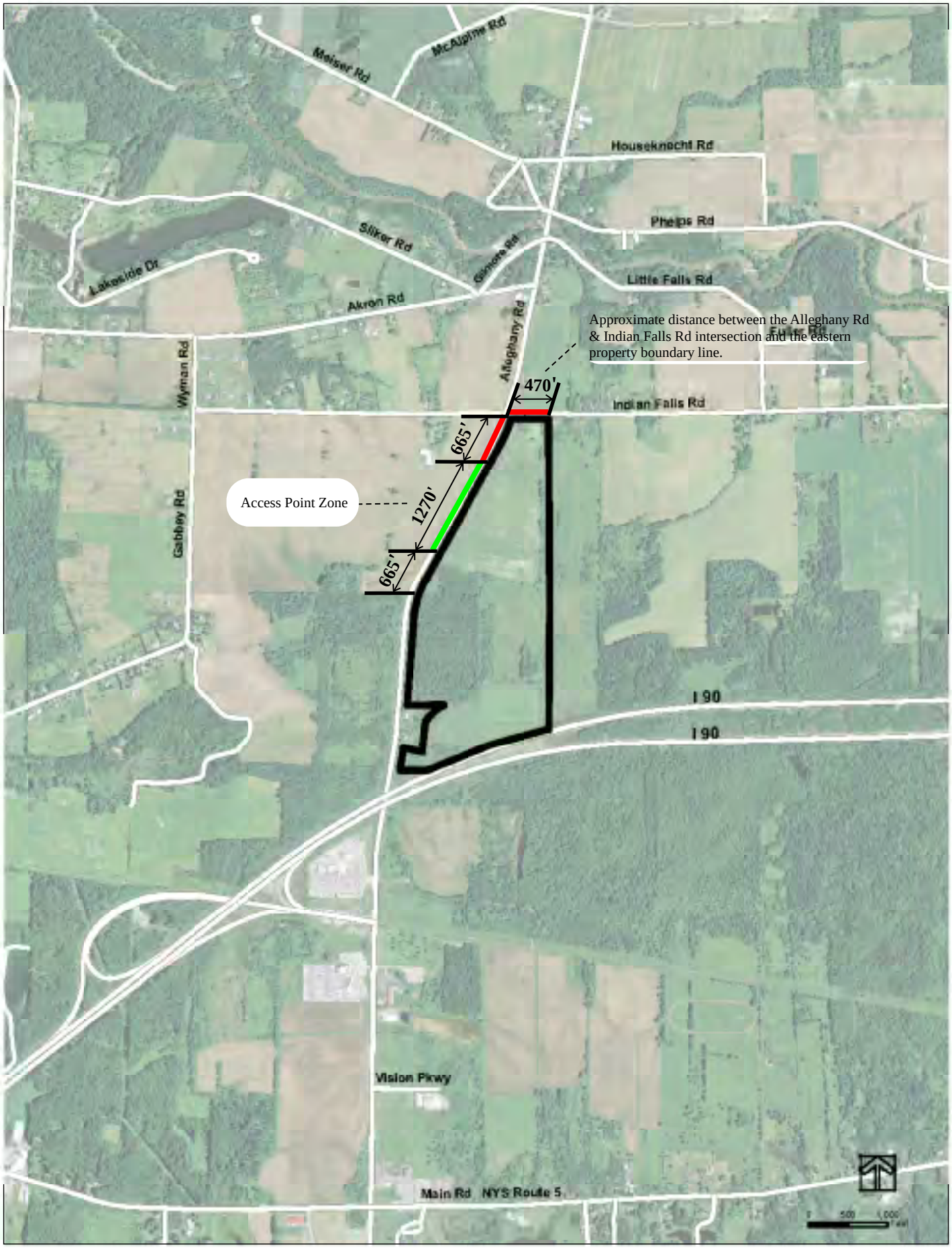
The attached figure shows the estimated limits of the access point zone for a public access point as identified in the site investigation.

Observations

The following observations were made in the determination of an access point zone during the field investigation:

- Access from Route 77 would not occur in wood/wet land areas.
- On Route 77, the horizontal curve to south was the sight constraint at the southern end of the project site.
- On Route 77, the Route 77/Indian Falls Road intersection was the constraint at the northern end of the project site;
  - Sight Constraint – intersection located on crest of a hill.
  - Intersection Spacing Constraint- Functional Area of Intersection.
- No locations were identified for access points on Indian Falls Road due to the proximity of the Route 77/Indian Falls Road intersection to the west and a vertical curve blind-spot to the east that did not meet sight distance criteria

End of Memo



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Western New York National Cemetery
Allegheny Road & Indian Falls Road
Access Zone Map

Figure 1
4/10/15

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MEMO

To:	Darrell Meehl, RLA, ASLA	**Date:**	April 13, 2015
Company:	The LA Group	**Phone #:**	518-587-8100
Address:	40 Long Alley Saratoga Springs, NY 12866		
From:	Keith Mortimer	**CC:**	file
Subject:	WNY National Cemetery - Service Access Point - Sight Distance Evaluation (Single-Unit Truck)		

Comments:

We have conducted a sight distance investigation at the proposed Western NY National Cemetery site and have identified an access point zone along the east side of Route 77 in which a service access point to the site can be located that meets established intersection spacing and sight distance criteria for a single-unit truck. The investigation also determined that there are no recommended locations for access points on Indian Falls Road.

The findings of this investigation are considered close approximations based on direct field observation measurements. Measurements were not obtained through the use of a survey crew and survey instruments.

The attached figure summarizes the service access point zone. The following portions of this memo provide an overview of the process used to determine the access point zone along the east side of Route 77.

Sight Distance & Intersection Spacing Criteria

Research was conducted to determine the adjacent roadway network characteristics and sight distance requirements prior to the field investigation using the following sources:

- Roadway Speeds: Speed data from NYSDOT's Traffic Data Viewer
- Minimum Stopping and Intersection Sight Distances:
  - AASHTO – A Policy on Geometric Design of Highways and Streets, 2011
  - NYSDOT – Highway Design Manual Appendix 5C, Intersection Sight Distance Charts
- Functional Area of an Intersection (minimum distance from other intersections):
  - FHWA - Access Management in the Vicinity of Intersections
  - AASHTO – A Policy on Geometric Design of Highways and Streets

From these sources the following criteria was identified for use in the determination of the access point zone for a single-unit truck:

- Assumed grades of -3% to +3%
- 85th Percentile Speed (Route 77*): ~60 mph
- Stopping Sight Distance: 570 feet
- Intersection Sight Distance:
  - Left turn from driveway: 840 feet - both directions
  - Right turn from driveway: 750 feet – one direction
- Minimum Distance from an Intersection: 605 feet

*Speed data for Indian Falls Road was unavailable

Access Point Zone Determination

An on-site sight distance investigation was conducted on Tuesday April 7th, 2015 to identify a zone in which access points meet the above criteria. The following procedure was used in the field to identify the zone:

1. Sight constraints included horizontal and vertical curves, and existing intersections.
2. At these constraint locations distances from the above criteria were measured.
3. Sight distances were verified at the measured distances utilizing methodology from AASHTO:
   a. Stopping Sight Distance:
      i. Height of Drivers Eye: 3.5 feet*
      ii. Height of Object: 2.0 feet
   b. Intersection Sight Distance:
      i. Height of Drivers Eye: 3.5 feet*
      ii. Height of Object: 2.0 feet
      iii. Distance from Curb: 10.0 feet

* AASHTO states that for large trucks, the driver's eye height ranges from 3.5 feet to 7.9 feet. To account for lower trucks a conservative value of 3.5 feet was used for the height of driver's eye.

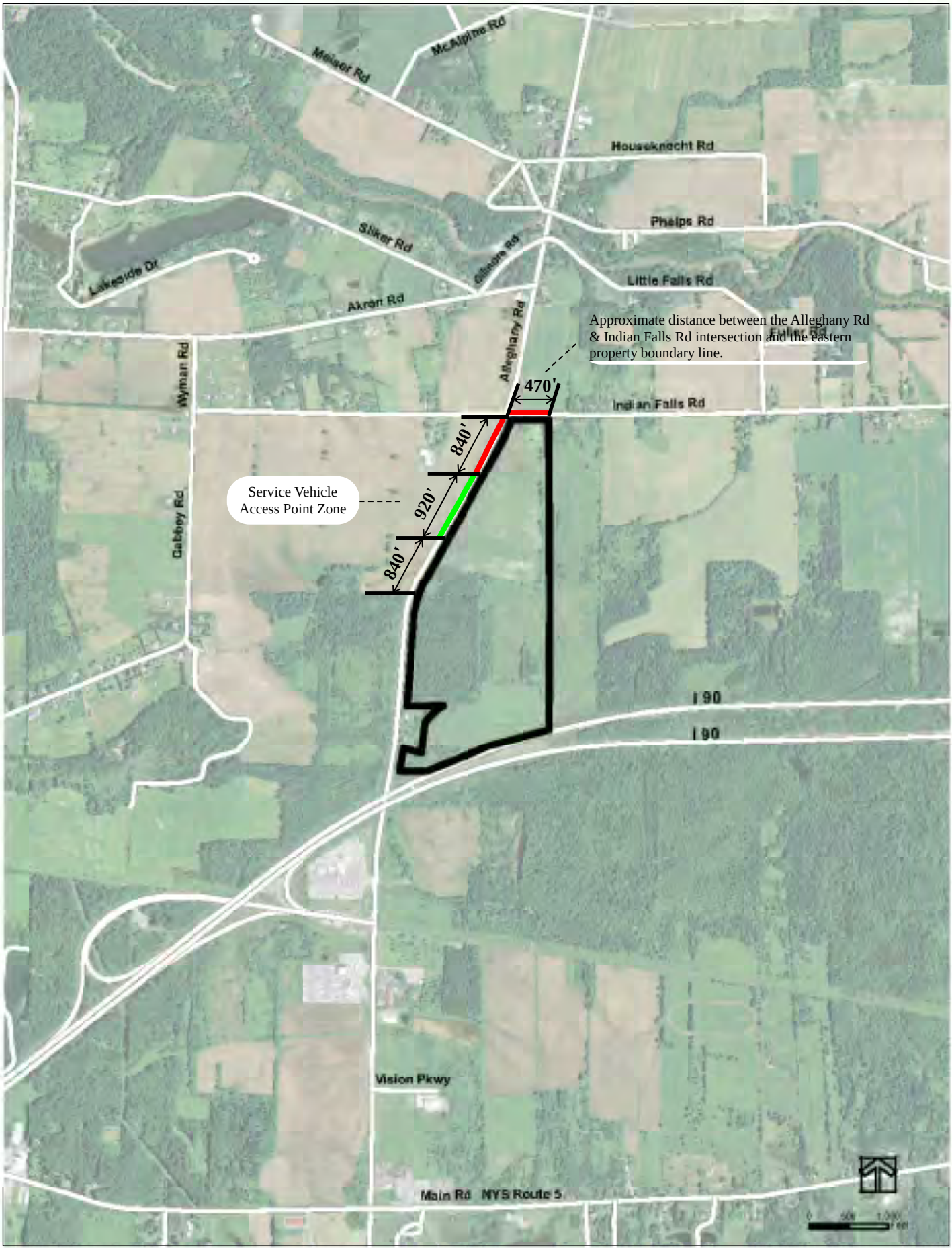
The attached **Figure 2** depicts the estimated limits of the access point zone for a service access point as identified in the site investigation.

Observations

The following observations were made in the determination of an access point zone during the field investigation:

- Access from Route 77 would not occur in wood/wet land areas.
- On Route 77, the horizontal curve to south was the sight constraint at the southern end of the project site.
- On Route 77, the Route 77/Indian Falls Road intersection was the constraint at the northern end of the project site;
  - Sight Constraint – intersection located on crest of a hill.
  - Intersection Spacing Constraint- Functional Area of Intersection.
- No locations were identified for access points on Indian Falls Road due to the proximity of the Route 77/Indian Falls Road intersection to the west and a vertical curve blind-spot to the east that did not meet sight distance criteria

End of Memo



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Western New York National Cemetery
Allegheny Road & Indian Falls Road
Service Vehicle Access Point Zone Map

Figure 2
4/13/15

E. ENGINEERING COUNTERMEASURES FOR REDUCING SPEEDS

Engineering Countermeasures for Reducing Speeds: A Desktop Reference of Potential Effectiveness

May 2009

Countermeasure	Area	Road Environment	Reference # (Year)	Sample Size (# of Sites)	After Measurement	Average Daily Volumes		85th Percentile Speeds			
						Before (veh)	After (veh)	Before (mph)	After (mph)	Change (mph)	%Change
GEOMETRIC FEATURES											
Speed Hump -rounded raised area across the road, typically 12 to 14 feet in length and 3 to 4 inches high	Urban	Local Street	1 (1999)	178		48 to 11544	46 to 11043	35 (4)	27 (4)	-8 (3)	-22% (9%)
		Local Street	2 (2005)	7		400 to 4362	401 to 3384	32 (3)	26 (2)	-6 (2)	-20% (6%)
		Local Street	4 (2000)	4		475 to 1506	433 to 1343	36 (2)	31 (2)	-5 (1)	-15% (3%)
Speed Cushion -speed hump typically 6 to 7 feet wide that allows most emergency vehicles to straddle the hump.	Urban		1 (1999)	1		3323	2321	35 (-)	28 (-)	-7 (-)	-20% (-)
			2 (2005)	2		1042 to 1556	693 to 1563	31 to 37	26 to 30	-5 to -7	-16% to 19%
Speed Table -a long speed hump typically 22 feet in length with a flat section in the middle and ramps on the ends	Urban		1 (1999)	72		198 to 14500	242 to 14400	37 (3)	31 (3)	-6 (3)	-16% (9%)
	Rural	Small town	3 (2008)	2	12 month	1480		33 (1)	29 (2)	-4 (1)	-14% (3%)
		Residential Streets	18 (2003)	19		198 to 2102	364 to 2061	38 (n/a)	29 (n/a)	-9 (n/a)	-24% (n/a)
Raised Intersection -a raised plateau, with ramps on all approaches, where roads intersect	Urban		1 (1999)	2				37 (1)	38 (4)	1 (4)	3% (11%)
	Urban	Local Street	5 (2004)	1				30 (-)	30 (-)	0 (-)	0% (-)
Choker -mid-block curb extensions that narrow a road by extending the sidewalk or widening the planting strip	Urban		1 (1999)	4		770 to 6150	331 to 5040	34 (2)	30 (2)	-4 (1)	-3% (3%)
	Urban	Residential Area	51 (1977)	6				30 (4) 95%tile	29 (3) 95%tile	-1 (2) 95%tile	-3% (7%) 95%tile

Countermeasure	Area	Road Environment	Reference # (Year)	Sample Size (# of Sites)	After Measurement	Average Daily Volumes		85th Percentile Speeds			
						Before (veh)	After (veh)	Before (mph)	After (mph)	Change (mph)	%Change
Neckdown -intersection curb extensions that narrow a road by extending the width of a sidewalk	Urban		1 (1999)	3		2800 to 8110	4660 to 5660	29 (9)	30 (3)	1 (7)	3% (30%)
	Urban	Local Street	5 (2004)	2				28 (3)	31 (4)	3 (7)	12% (27%)
Chicane -curb extensions that alternate from one side of the street to the other, forming S-shaped curves.	Urban		1 (1999)	2		1380 to 3200	790 to 2400	33 (4)	27 (4)	-6 (1)	-16% (4%)
			4 (2000)	4	at least 4 years	1380 to 1965	790 to 1993	31 (6)	22 (4)	-9 (4)	-29% (8%)
	Urban	School Zone	42 (1998)	1		8000		31 (-)	28 (-)	-3 (-)	-10% (-)
Lateral Shift -curb extension that shifts travel lanes to one side of road for extended distance and then back to the other side	Urban	Local Street	5 (2004)	1				36 (-)	33 (-)	-3 (-)	-8% (-)
	Rural	At City Limits	19 (1999)	5				44 (4)	33 (4)	-11 (7)	-25% (9%)
Center Island -a raised island along the centerline of a street that narrows the travel lanes	Urban		1 (1999)	1		3500	2800	33 (-)	29 (-)	-4 (-)	-12% (-)
Traffic Circle -circular, raised island placed within the middle of an intersection	Urban		1 (1999)	45		240 to 10910	269 to 8280	34 (5)	30 (4)	-4 (3)	-11% (9%)
Roundabout -large, raised, circular islands at the middle of major intersections, around which all oncoming vehicles must travel until reaching their destination street, where they then turn off.		Transition from High to Low Speed	36 (2005)	1				48 (-)	28 (-)	-20 (-)	-42% (-)
	Suburban	Y Intersection of two-lane roads	37 (2005)	1				32 (-)	24 (-)	-8 (-)	-25% (-)
	Urban		38 (2004)	1				47 (-)	33 (-)	-14 (-)	-30% (-)
	Urban & Rural	Intersection entry	54 (2007)	55					20 (4)		
SURFACE TREATMENTS AND MARKINGS											
Transverse Rumble Strips -raised or grooved patterns installed on the roadway travel lane or shoulder pavements, perpendicular to the direction of travel.	Rural	Posted Speed Limit=70mph	17 (2007)	3	5 months					-0.6 (0.4)	
	Rural	Intersection	23 (2003)	11	At least 1 month					-1 to -2	

Countermeasure	Area	Road Environment	Reference # (Year)	Sample Size (# of Sites)	After Measurement	Average Daily Volumes		85th Percentile Speeds			
						Before (veh)	After (veh)	Before (mph)	After (mph)	Change (mph)	%Change
Converging Chevron Marking Pattern -a type of transverse pavement markings forming chevron shape to create the illusion of traveling faster as well as the impression of narrower lanes.	Rural	Main Roads	3 (2008)	2	12 months	2300		36 (1)	33 (1)	-3 (2)	-7% (6%)
		Double S-Curve On A Two- Lane Roadway	7 (2006)	1	15 months			37 (-)	33 (-)	-4 (-)	-11% (-)
	Urban	Exit Ramps	12 (2003)	1	20 months			70 (-)	53 (-)	-17 (-)	-24% (-)
		Community Collector Street	13 (2001)	1	2 years			41 (-)	39 (-)	-2 (-)	-5% (-)
		Freeway-to-Freeway Connector Curve	48 (2008)	1	6 months	18000		53.4 (-)	52.8 (-)	-0.6 (-)	-1% (-)
Transverse Markings -a series of white lines placed across the center of the lane and spaced progressively closer to create the illusion of traveling faster	Rural	Horizontal Curves	20 (2005)	3	5 days			49 (3)	50 (3)	0.2 (1.7)	0.3% (3%)
	Rural	Interstate Work Zone	46 (2001)	1		18000		68 (-)	67 (-)	-1 (-)	-1% (-)
Optical Speed Bars -a series of white rectangular markings typically 1 foot wide placed just inside both edges of the lane and spaced progressively closer to create the illusion of traveling faster as well as the impression of narrower lane.	Rural	Main Roads	3 (2008)	1	12 months			46 (-)	45 (-)	-1 (-)	-2% (-)
	Rural	Main Roads	3 (2008)	2	3 months	1000		47 (8)	46 (-)	-1 (0)	-2% (0)
	Rural	Curve	11 (2004)	3				37 (6)	36 (10)	-1 (4)	-2% (8%)
	Rural	Two-Lane Highway; Tourist Traffic	45 (2009)	1	3 months			71 (-)	66 (-)	-5 (-)	-7% (-)
	Rural	Freeway Curves	53 (2008)	1	6 months	63,072	57,948	61 (-)	60 (-)	-1 (-)	-2% (-)
Speed Limit Pavement Legend	Rural	Main Roads	3 (2008)	4	12 months			34 (3)	33 (2)	-1 (1)	-1% (4%)
Enhanced Speed Limit Legend with Colored Surfacing	Rural	Main Roads	3 (2008)	3	12 months	1000		46 (6)	44 (6)	-2 (2)	-4% (4%)
In-Roadway Warning Lights	Urban	Residential Area; Pedestrian Crossing	15 (2000)	2	1 month	30,000		46 (0)	39 (1)	-7 (1)	-15% (1%)
		School Zone	33		1 year			58 (-)	53 (-)	-5 (-)	-9% (-)
	Urban	Central Business District; Pedestrian Crossing	34 (2004)	1	2 weeks	25,000		21 (-)	22 (-)	1 (-)	5% (-)
		Freeway Off-Ramp	39 (2008)	1	14 months			57 (-)	53 (-)	-4 (-)	-7% (-)
Delineator Post	Rural	Horizontal Curves	20 (2005)	3	5 days			49 (3)	50 (3)	0.5 (0.4)	1% (1%)

Countermeasure	Area	Road Environment	Reference # (Year)	Sample Size (# of Sites)	After Measurement	Average Daily Volumes		85th Percentile Speeds			
						Before (veh)	After (veh)	Before (mph)	After (mph)	Change (mph)	%Change
"Slow" Pavement Legend	Rural	Main Roads	3 (2008)	3	9 months	2940		40 (6)	41 (8)	1 (2)	1% (4%)
	Suburban	Curve on Two-Lane Road	47 (1998)	1	2 weeks	5000		39 (-)	37 (-)	-2 (-)	-5% (-)
SIGNS											
Speed Feedback Sign -sign that dynamically displays speed of passing vehicles with the message "YOUR SPEED XX"	Rural	Main Roads	3 (2008)	1	3 months	2870		37 (-)	30 (-)	-7 (-)	-19% (-)
		15mph School Zone	8 (2002)	1				48 (-)	15 (-)	-33 (-)	-69% (-)
		School Zone	8 (2002)	1				32 (-)	25 (-)	-7 (-)	-22% (-)
		School Zone	14 (2005)	1	2 to 4 months			50 (-)	42 (-)	-8 (-)	-16% (-)
		Advance of School Zone	14 (2005)	2	2 to 4 months			57 (6)	56 (7)	-1 (1)	-2% (3%)
		Advance of Signalized Intersection	14 (2005)	2	2 to 4 months			57 (10)	56 (12)	-1 (2)	-3% (4%)
		Non-freeway	9 (2005)	20	6 to 39 months			35 (3)	32 (2)	-3 (2)	-7% (4%)
		Collector Street/Residential Cross Street	10 (2007)	6	3 years			37 (2)	33 (1)	-4 (2)	-11% (4%)
		School Zone	26 (2006)	8	6 months			25 (2)	24 (2)	-1 (2)	-5% (7%)
	Rural	Work Zone on Interstate Highway	27 (2001)	3	5 weeks	38000		65 (2)	60 (2)	-5 (1)	-8% (1%)
		School Zone	28 (2003)	2	2 months	8000 to 9200		30 (5)	28 (4)	-2 (1)	-7% (1%)
		School Zone	28 (2003)	2	2 months	11800 to 29200		43 (1)	34 (0)	-9 (1)	-22% (1%)
		Two-Lane Collector Arterial, Near to School Zone	29 (2005)	4	7 months	1486 to 2794	1270 to 2533	34 (2)	32 (3)	-2 (1)	-3% (4%)
	Rural	Interstate Highway Work Zone	32 (2006)	1	1 week			65 (-)	63 (-)	-2 (-)	-3% (-)

Countermeasure	Area	Road Environment	Reference # (Year)	Sample Size (# of Sites)	After Measurement	Average Daily Volumes		85th Percentile Speeds			
						Before (veh)	After (veh)	Before (mph)	After (mph)	Change (mph)	%Change
Speed Activated Warning Sign -sign that displays warning messages to speeding drivers		Posted Speed Limit=50/55mph	17 (2007)	4	at least 3 months					-1.4 (0.1)	
		Work Zone at State Route	25 (2007)	3		122 to 250				-1 to -6.5	
		Multilane US Highway	25 (2007)	1						-1.6 to -4.7	
		Multilane Interstate	25 (2007)	2						-3.0 to -11.2	
	Urban	U.S. Highway Work Zone	32 (2006)	1	1 week			67 (-) PC; 65 (-) Truck	64 (-) PC; 63 (-) Truck	-3 (-) PC; -2 (-) Truck	-4% (-) PC; -3% (-) Truck
	Urban & Rural	Work Zone	35 (2007)	2				54 (4)	49 (6)	-5 (3)	-10% (5%)
	Rural	Four-Lane Divided Highway	43 (1999)	1		7000		73 (-)	69 (-)	-4 (-)	-5% (-)
		Curve on Interstate Freeway	44 (2003)	1		65000		63 (-)	62 (-)	-1 (-)	-2% (-)
Speed Activated Speed Limit Reminder Sign		Major Road	6 (2005)	1				42 (-)	37 (-)	-5 (-)	-12% (-)
		School Zone	24 (2001)	1	2 months			43 (-)	37 (-)	-6 (-)	-14% (-)
Variable Speed Limit Sign	Rural	Finland, weather-controlled	31 (1999)	3						-4.7 to -8	
	Rural	Freeway	40 (2005)	2				82 (1)	77 (6)	-5 (5)	-6% (6%)
Lower Speed Limit by 15+ mi/h	Urban & Rural	2 lane roads	21 (1997)	9	12-24 months			49 (5)	49 (4)	-0.1 (1)	-0.1% (3%)
Lower Speed Limit by 10 mi/h	Urban & Rural	2 & 4 lane roads	21 (1997)	34	12-24 months			50 (5)	50 (5)	-0.1 (1)	-0.6% (2%)
Lower Speed Limit by 5 mi/h	Urban & Rural	2 lane roads	21 (1997)	14	12-24 months			51 (6)	50 (6)	-0.3 (1)	-0.1% (2%)
Red Border Speed Limit Sign	Rural	Two-Lane highway	30 (2007)	3	8 to 14 months					-3 (4)	
One-Direction Large Arrow (W1-6) sign	Rural	Horizontal Curves	20 (2005)	1	5 days			47 (-)	47 (-)	0 (-)	0% (-)

Countermeasure	Area	Road Environment	Reference # (Year)	Sample Size (# of Sites)	After Measurement	Average Daily Volumes		85th Percentile Speeds			
						Before (veh)	After (veh)	Before (mph)	After (mph)	Change (mph)	%Change
Add Flashers to Existing Curve Warning Sign	Rural	Horizontal Curves	20 (2005)	2	5 days			51 (2)	52 (3)	1 (1)	1% (1%)
Add Flags to Existing Curve Warning Sign	Rural	Horizontal Curves	20 (2005)	3	5 days			49 (3)	49 (3)	-0.3 (1.3)	-0.6% (3%)
Combinational Horizontal Alignment/Advisory Speed Sign	Rural	Horizontal Curves	20 (2005)	3	5 days			49 (3)	50 (2)	0.2 (1)	0.4% (2%)
Chevron Sign	Rural	Horizontal Curves	20 (2005)	1	5 days			52 (-)	52 (-)	0 (-)	0% (-)
NARROWING											
Add Shoulder Markings to narrow lane	Rural	Two-Lane Road Through Small Town	3 (2008)	2	12 months			33 (2)	33 (1)	0.5 (1)	2% (2%)
	Urban	Freeway Exit Ramp	49 (2000)	4	2 weeks			38 (10)	37 (9)	-1 (1)	-2% (2%)
Add Center Line and Edge Line	Rural	Main Roads	3 (2008)	2	12 months			34 (1)	35 (1)	1 (1)	2% (2%)
	Urban	Residential Area	50 (1984)	2	2 weeks			34 (2) Mean	34 (1) Mean	0 (0) Mean	1% (1%) Mean speed
	Rural	Two-Lane Road Day	52 (2006)	3				63 (2)	64 (3)	1 (4)	2% (7%)
	Rural	Two-Lane Road Night	52 (2006)	3				66 (4)	65 (3)	-1 (0)	-1% (0)
Longitudinal Rumble Strips -raised or grooved patterns installed on both inside edges of normal travel lane to narrow effective width	Rural	Rural High Speed Intersections on Two-lane Roadways	16 (2008)	9	at least 3 months					-4.5 (0.25)	
Road Diet -restripe road to reduce the number of lanes from 4 to 3	Urban	Arterial road	41 (1999)	1		24,000		51 (-)	47 (-)	-4 (-)	-8% (-)
Tubular Chanelizers -three foot high tubes used to create island in center of road	Rural	Main Roads	3 (2008)	3	12 months	2060		40 (5)	39 (4)	-1 (1)	-2% (2%)

Countermeasure	Area	Road Environment	Reference # (Year)	Sample Size (# of Sites)	After Measurement	Average Daily Volumes		85th Percentile Speeds			
						Before (veh)	After (veh)	Before (mph)	After (mph)	Change (mph)	%Change
ACCESS CONTROLS											
Half Closure -Physical blockage of one direction of traffic for a short distance on a two-way street	Urban		1 (1999)	11		220 to 9540	151 to 9180	30 (4)	24 (5)	-6 (4)	-20% (12%)
Diagonal Diverter -a barrier placed diagonally across a four-legged intersection, preventing through movement	Urban		1 (1999)	7		474 to 2057	177 to 574	28 (5)	27 (5)	-1 (5)	-5% (17%)
Full Closure -physical street closure resulting in a dead-end	Urban		1 (1999)	2		1540 to 1980	850 to 1080	18 (3)	15 (3)	-3 (0)	-17% (3%)
COMBINATION MEASURES											
Gateway Treatment -the combined use of signs, textured pavements, name plates, monuments, landscaping, and/or others placed at the entrance to a neighborhood that helps to communicate a sense of neighborhood identity	Rural	Main Roads	3 (2008)	3	12 months			46 (6)	44 (6)	-2 (2)	-5% (4%)
	Urban		5 (2004)	1	9 months			30 (-)	28 (-)	-2 (-)	-7% (-)
Speed Hump + Speed Table	Urban		1 (1999)	4				36 (3)	29 (2)	-7 (4)	-17% (9%)
Speed Hump + Choker	Urban		1 (1999)	2		2456 to 3685	2593 to 2931	38 (2)	25 (0)	-13 (2)	-33% (3%)
Speed Table + Choker	Urban		1 (1999)	3				33 (1)	29 (1)	-4 (1)	-12% (3%)
Speed Table + Center Island	Urban		1 (1999)	2		6500 to 8440	6400 to 6780	37 (1)	29 (1)	-8 (3)	-22% (6%)
Half Closure + Median Barrier (-Median barriers are raised islands located along the centerline of a street and continuing through an intersection so as to block through movement at a cross street.)	Urban		1 (1999)	2		10160 to 10320	1120 to 2120	38 (2)	32 (4)	-6 (3)	-17% (8%)

Countermeasure	Area	Road Environment	Reference # (Year)	Sample Size (# of Sites)	After Measurement	Average Daily Volumes		85th Percentile Speeds			
						Before (veh)	After (veh)	Before (mph)	After (mph)	Change (mph)	%Change
Transverse Bar + Speed Feedback Sign	Rural	Main Roads	3 (2008)	3	12 months	830 to 1680		47 (6)	43 (8)	-4 (3)	-8% (8%)
Speed Hump + Traffic Circle + Gateway Treatment			2 (2005)	2		2017 to 4213	1857 to 4635	32 (1)	25 (3)	-7 (2)	-22% (6%)
Textured Pavement + Neckdown + Pavement Marking			2 (2005)			3722 to 3792	3603	31 (-)	31 (-)	0 (-)	0% (-)
Edge Marking + Speed Limit Marking	Rural	Main Roads	3 (2008)	4	12 months			34 (3)	33 (2)	-1 (1)	-1% (4%)
Rubber Pedestrian Island + In-Roadway Yield to Pedestrian Crossing Sign (R1-6) (-Removable rubber curbing used to create island and concentrate pedestrian crossings at crosswalk.)	Rural Resort Area	High pedestrian crossing	22 (2002)	2	2 weeks			44 (2)	38 (1)	-6 (3)	-14% (6%)

Notes:

1) Reference table only includes U.S. studies, except where no U.S. studies on a treatment exist, then international studies are used.

2) Measures within parentheses in the "85%th Speeds" columns represent the standard deviations from the average values.

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Western New York National Cemetery
Supplemental Traffic Study – Indian Falls Road -

Town of Pembroke, Genesee County -
New York -

Prepared for: -

Department of Veterans Affairs
Office of Construction & Facilities Management -
Washington DC 20001 -

April 1, 2016 -

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EXECUTIVE SUMMARY -

This Traffic Study was conducted for the Western New York National Cemetery project located in the southeast corner of the intersection of Alleghany Road (Route77) and Indian Falls Road in Pembroke, NY. It is a supplemental assessment to the original traffic study (dated May 11, 2015) to consider a relocated full use public access point onto Indian Falls Road. The purpose of this traffic assessment is to:

- Provide guidance on access point location, geometry and controls.
- Assess the potential effects of the Cemetery's generated vehicular traffic, from daily/routine - operations, on the adjacent roadway network. -
- Determine potential roadway improvements within the public right-of-way.

This supplemental traffic assessment builds off of the original traffic study. The operational analysis and documentations conducted for the original traffic study are considered applicable for this traffic assessment. This includes:

- Established morning and afternoon study time periods
- Existing Conditions
- Background Conditions
- Trip Generation Development

Based on the original traffic study, acceptable capacity and operations were documented at the intersection of Route 77/Indian Falls Road for Existing and Background (2017) conditions.

Temporary construction access points will be utilized during the construction of the Western New York National Cemetery. The construction access points are expected to function within acceptable standards due to their anticipated low volumes, the use of flag men, and their temporary usage.

Guidance on a potential access point location was facilitated by sight distance evaluations, which were used to identify a section (access zone) of Indian Falls Road where the public access point should be located. Based on these evaluations, a public access zone of approximately 195 feet was identified along Indian Falls Road. The location of the proposed public access point on Indian Falls Road (from the Western New York National Cemetery Overall Master Plan) is within the determined public access zone. Sight distance approximations for this proposed access point were documented. At this specific location, the observed sight distances were greater than desired intersection and stopping sight distances criterion.

The Trip Generation data established in the original traffic study are considered applicable for this traffic assessment and is summarized in the following table:

Trip Generation Data Table -

Morning Trip Generation 8:00-9:00 AM		
Trip Generator	Enter	Exit
Employee	7	0
Cortage	30	0
Visitor	10	5
Total	47	5

Afternoon Trip Generation 3:00-4:00 PM		
Trip Generator	Enter	Exit
Employee	0	7
Cortage	30	30
Visitor	10	20
Total	40	57

The estimated trip generation for the Cemetery was distributed onto the adjacent roadway network at the proposed public access point, and generally assumed that approximately 75% of the trips to the Cemetery would arrive from and return to points south of the site; with the remaining 25% of the trips to the Cemetery arriving from and returning to points north of the site. This distribution pattern assumed the Cemetery to be a destination type of land use and a majority of the traffic would arrive and leave the study area using the Thruway (I-90).

Operational analysis for proposed conditions, which included the Cemetery trips distributed onto the study area, was initially conducted assuming existing roadway geometry for the intersection of Route 77/Indian Falls Road and that the Cemetery's public access would be stop controlled on the Cemetery approach with one lane exiting and one lane entering the property with no left or right turn lanes on Indian Falls Road. The analysis indicated that each intersection is predicted to operate acceptably, Level of Service results of 'c' or better.

No changes in volumes or operations at the Proposed Service Access point from the original traffic study are anticipated. It is projected that the service access point for the Cemetery will accommodate less than 10 trips during either of the two analysis periods on a typical day. Given the very low traffic volumes and sporadic use of the service access, a detailed capacity analysis was not conducted; however, acceptable levels of operations are expected.

A qualitative review of traffic signal warrants determined neither intersection is an appropriate candidate for traffic signal control.

As indicated by the operational analysis, mainline left and right turn lanes at the public access point on Indian Falls Road and on Route 77 at the Route 77/Indian Falls Road intersection are not necessary to achieve acceptable Levels of Service for the Cemetery's typical operations.

A review of the left and right turn lane warrants were conducted at the two intersections to determine if turn lanes should be considered based on traffic volumes and speeds alone. The results of the turn lane warrant review indicate that left and right turn lanes are not warranted at the public access point on Indian Falls Road. The Route 77/Indian Falls Road intersection warrants a right turn lane on the northbound approach and the southbound approach minimally meets the thresholds for a left turn lane.

Given the higher travel speeds on Route 77 coupled with the predominant driver types connected with the Cemetery (older, unfamiliar with the area, and potentially preoccupied by their visit), it is recommended that a northbound right turn lane be provided at the Route 77/Indian Falls Road intersection to reduce the potential for accidents.

The southbound approach only minimally meets the thresholds for a left turn lane. Since it only minimally meets the thresholds for a left turn lane others factors were reviewed to determine if a southbound left turn lane is recommended. The review determined that there are minimal vehicles destined for the cemetery on this approach and the results of the operational analysis indicate that a southbound left turn lane is not needed. Therefore, it is recommended that a southbound left turn lane not be implemented at the Route 77/Indian Falls Road intersection.

It is recommended, as part of the detailed design process, that the turn lane geometries be refined to identify a best-fit turn lane geometric to account for the physical constraints of the roadway network and desirable conditions to accommodate the Cemetery's functions and activities.

In Summary, the following transportation related conclusions, recommendations and considerations are provided to accommodate the public access point on Indian Falls Road for the Western New York National Cemetery:

- The proposed public access point on Indian Falls Road is acceptably located within the 195 feet public access zone and the observed sight distances were greater than desired intersection and stopping sight distances criterion.
- Acceptable levels of service are predicted for the public access point with the Cemetery approach being stop sign controlled with one lane exiting and one lane entering and no auxiliary turn lanes on the mainline approaches.
- It is recommended a northbound right turn lane be provided at the Route 77/Indian Falls Road intersection to provide a deceleration lane and reduce the potential for accidents. As part of the detailed design process, the turn lane geometries should be refined to identify a best-fit turn lane geometric to account for the physical constraints of the roadway network and desirable conditions to accommodate the Cemetery's functions and activities.

I. Introduction

A traffic assessment (original traffic study) dated May 11, 2015 was conducted for the U.S. Department of Veterans Affairs (VA) proposed Western New York National Cemetery (Cemetery) located in Pembroke, NY. The original traffic study evaluated consideration of a public access point to the proposed cemetery located on Alleghany Road (Route 77).

Following the completion of the original traffic study an adjoining parcel to the proposed cemetery was purchased. With the acquisition of the adjoining parcel came the opportunity for a potential relocated full use public access point onto Indian Falls Road through the adjoining parcel.

The following traffic assessment is a supplemental assessment to the original traffic study to consider the full use public access point onto Indian Falls Road. The purpose of this traffic assessment is to:

- Provide guidance on access point location, geometry and controls.
- Assess the potential effects of the Cemetery's generated vehicular traffic, from daily/routine operations, on the adjacent roadway network.
- Determine potential roadway improvements within the public right-of-way.

This supplemental traffic assessment builds off of the original traffic study. The operational analysis and documentations conducted for the original traffic study are considered applicable for this traffic assessment. This includes:

- Established morning and afternoon study time periods
- Existing Conditions
- Background Conditions
- Trip Generation Development

The original traffic study is included, for reference, in the **Appendix** of this report.

The project site is located in the town of Pembroke, NY along the eastern side of Route 77 between Indian Falls Road (to the north) and NY I-90 (to the south). The study area encompasses the segments of Route 77 and Indian Falls Road adjacent to the project site and the intersection of Route 77/Indian Falls Road. The land uses bordering the project site are active agricultural land with undeveloped woodland/wetland area and a few residential properties. **Figure 1** provides a project location map. **Figure 2** identifies the proposed project area.

The following sections of the report document analysis procedures, technical assumptions, and vehicular operations, conclusions and recommendations. -

KEY

★ = Project Location

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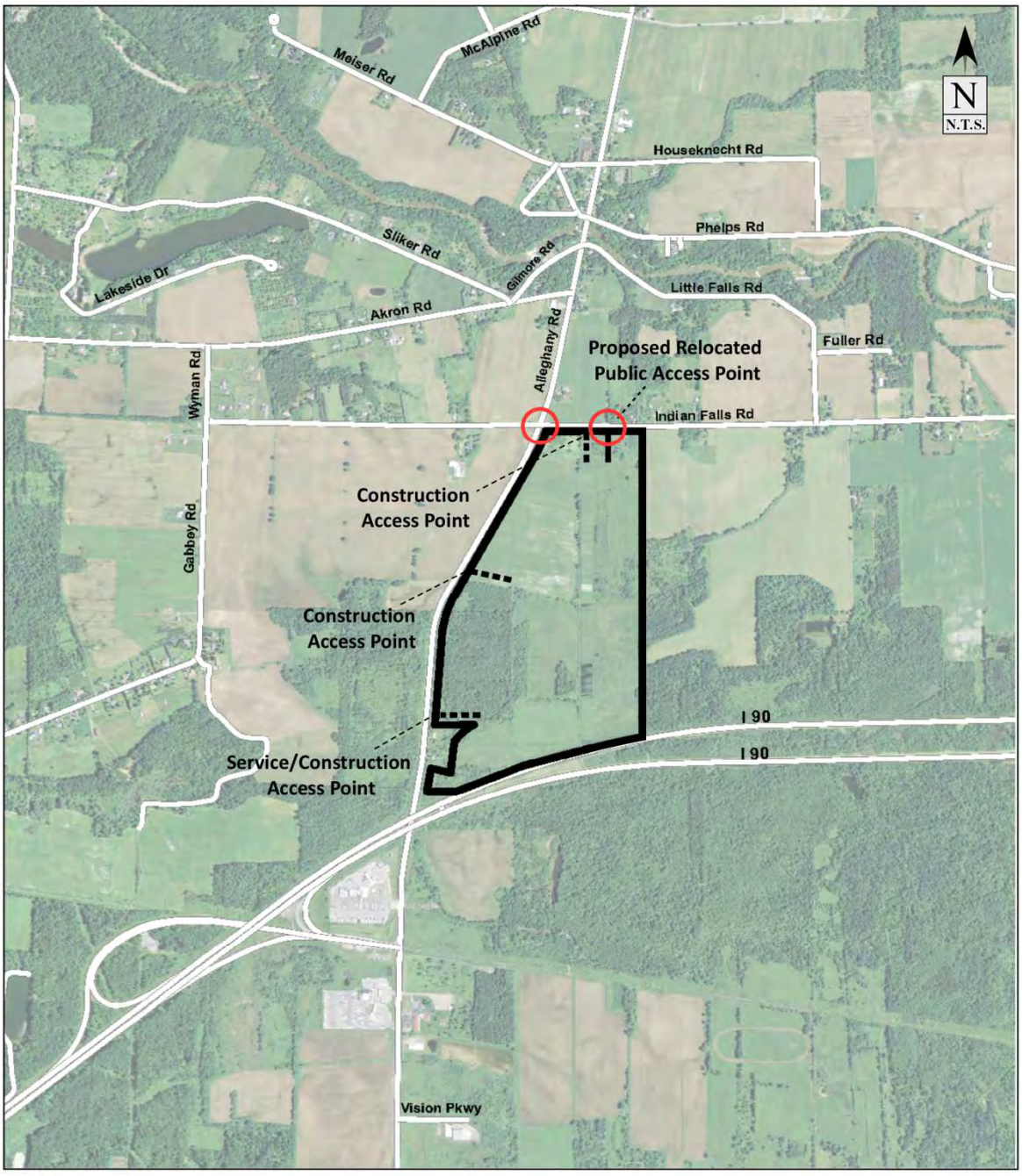
Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Project Location Map

Figure 1



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Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Proposed Project Area

Figure 2

II. Capacity Analysis Methodology

Intersection capacity analysis was conducted using Synchro, Version 8.0 software[1]. The program is based on methods presented in the 2010 Highway Capacity Manual[2] that describes the levels of operation of intersections controlled by signals and regulated by stop signs.

Using an analytical approach, a Level of Service is determined for traffic travelling through an intersection. The Level of Service is defined or quantified in terms of average delay experienced by motorists, which is equated to the letters 'a' to 'f' for stop sign controlled intersections. The following provides delay descriptions for each level of service:

Stop Sign Controlled Intersections

a 10 seconds or less
b 10.1 to 15 seconds
c 15.1 to 25 seconds
d 25.2 to 35 seconds
e 35.1 to 50 seconds
f Greater than 50 seconds

From experience, a Level of Service 'd' for a stop controlled intersection is generally considered to be the threshold of acceptable operations in a rural setting.

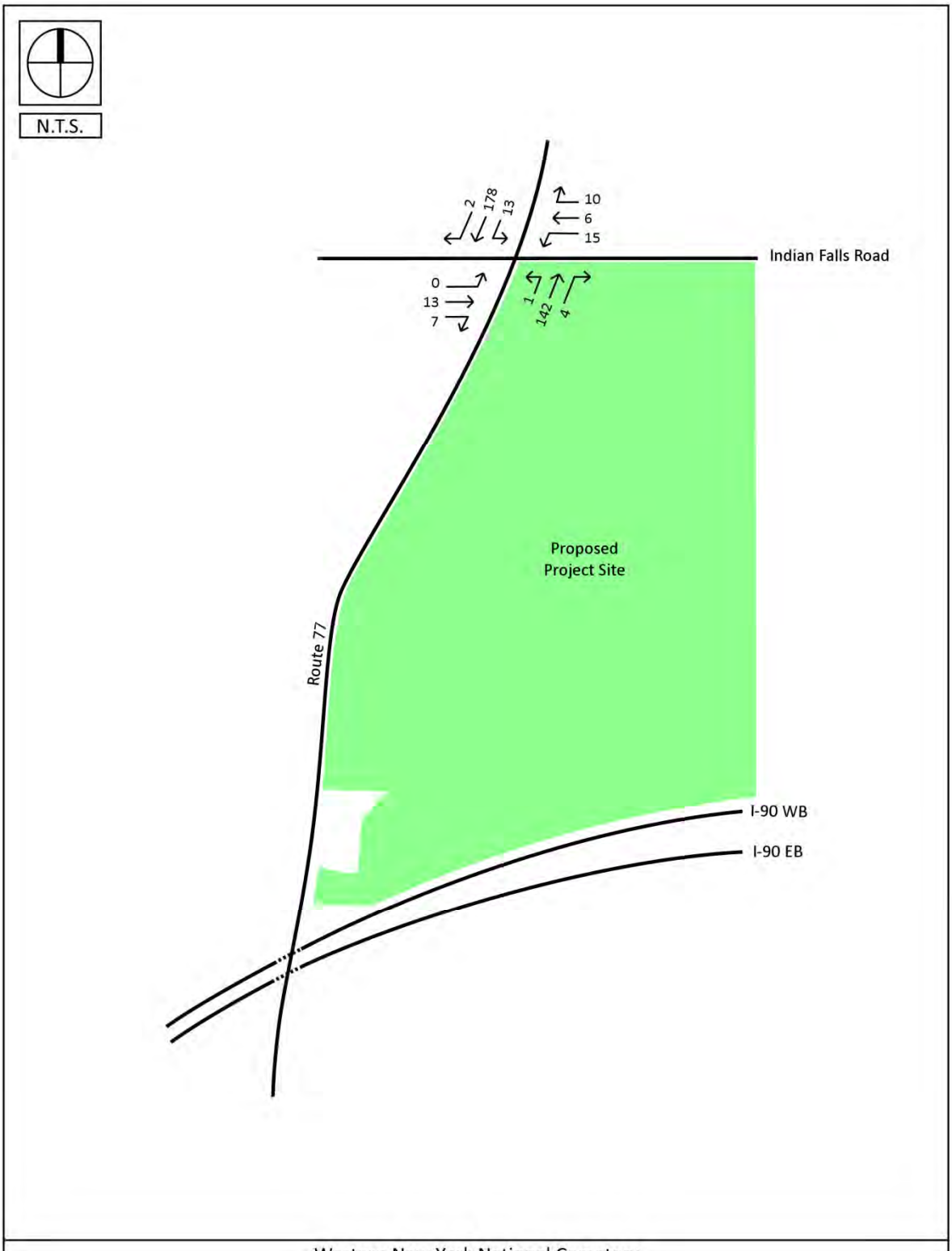
III. Existing & Background Conditions

The Existing and Background Conditions established in the original traffic study are considered applicable for this traffic assessment.

Based on the original traffic study, a morning study period of 8:00-9:00 AM was a chosen for operational capacity analysis to capture the peak traffic generating morning period of the cemetery. Similarly, an afternoon study period of 3:00-4:00 PM was chosen for operational capacity analysis to capture the peak afternoon traffic generating period of the Cemetery.

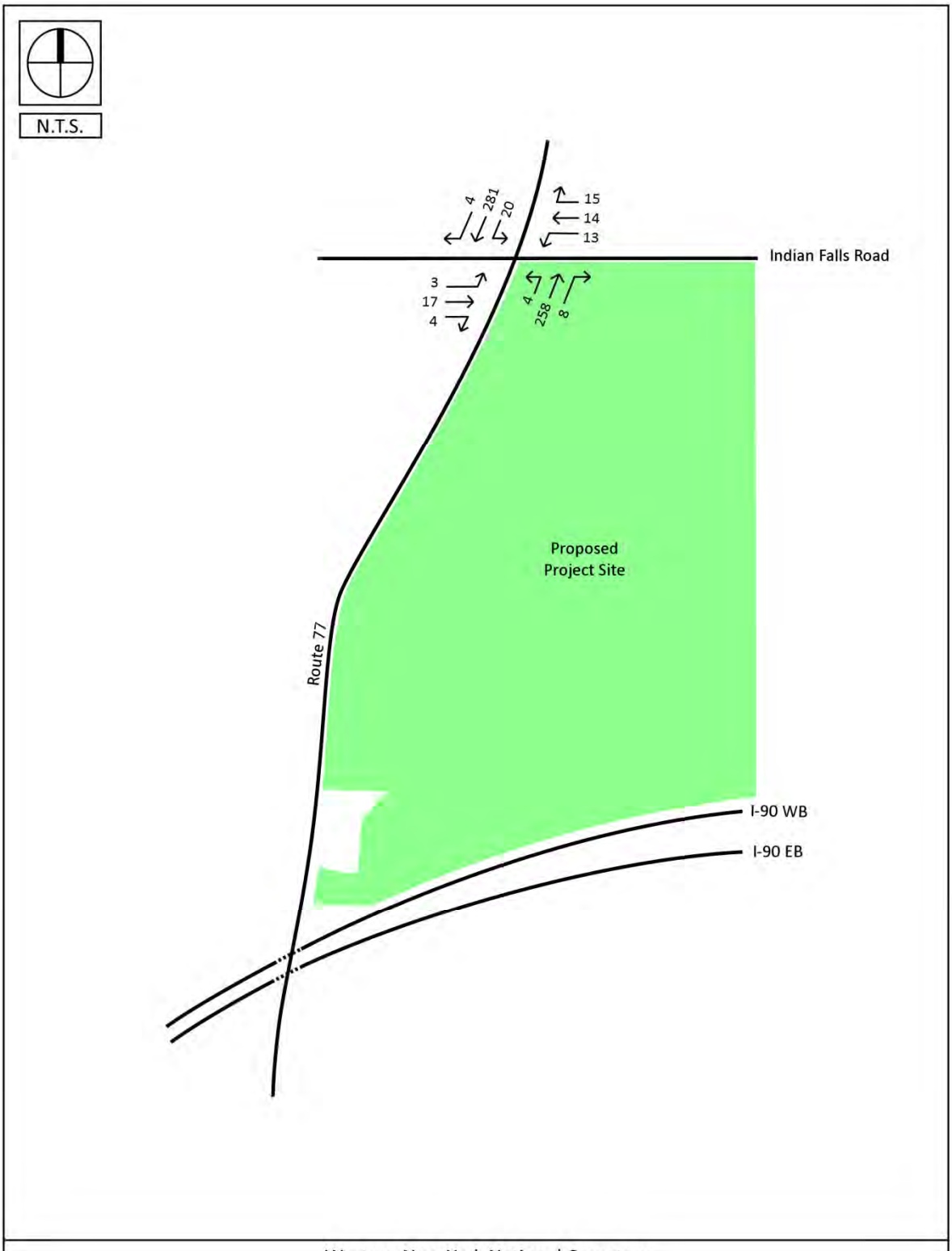
Existing conditions traffic volume data for the morning and afternoon study periods are depicted on **Figure 3** and **Figure 4,** respectively.

Existing conditions capacity analysis (from the original traffic study) indicated a Level of Service (LOS) 'c ' or better, for all movements within the study intersection, for both time periods. Capacity analysis results are summarized in **Table 2** in **Section IV.E.** of this assessment.



Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Existing Conditions (2015) Traffic Volumes
Morning Study Period

Figure 3



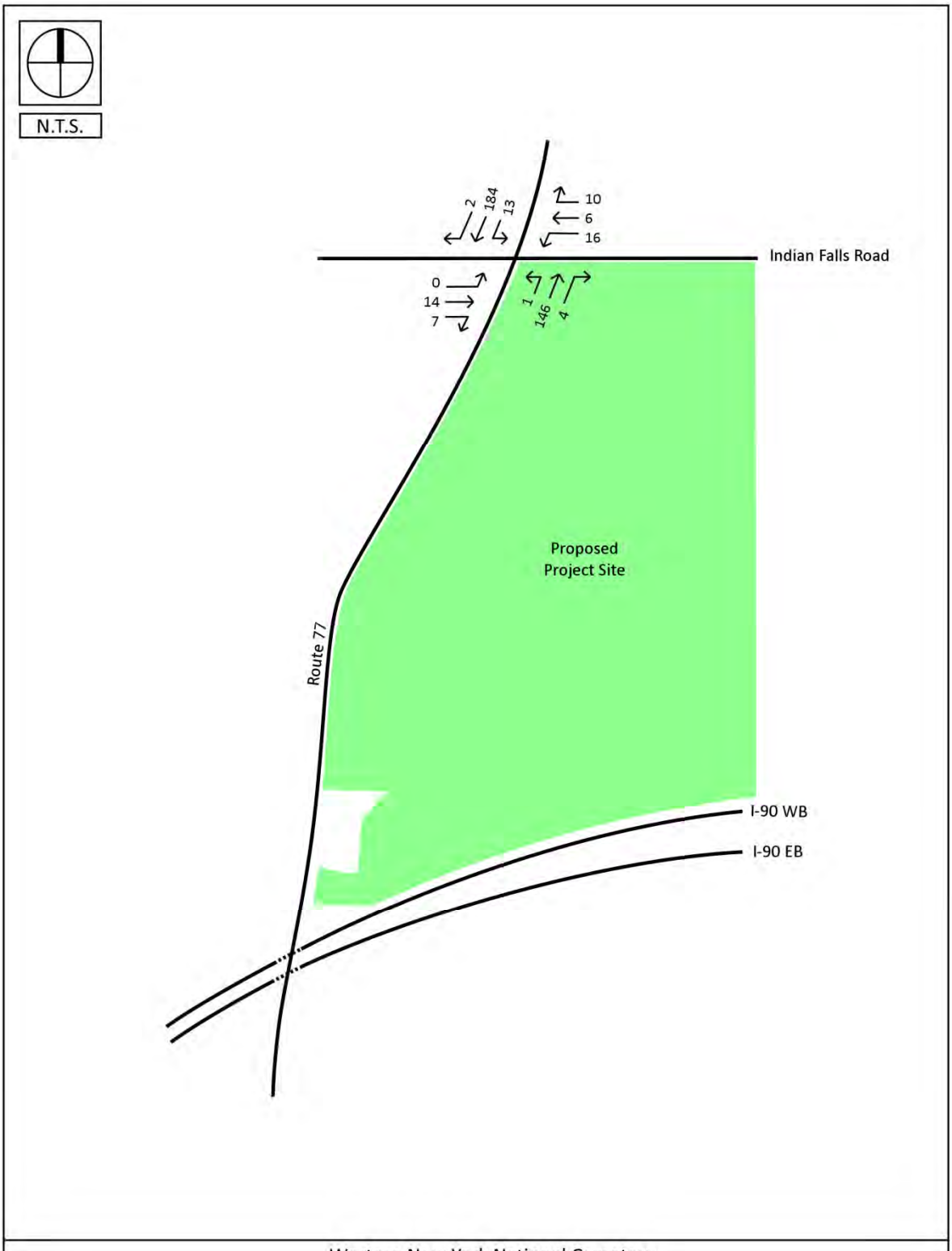
Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Existing Conditions (2015) Traffic Volumes
Evening Study Period

Figure 4

Background Conditions were established for the year 2017. **Figure 5 and Figure 6** depict morning and afternoon Background Conditions traffic volumes respectively.

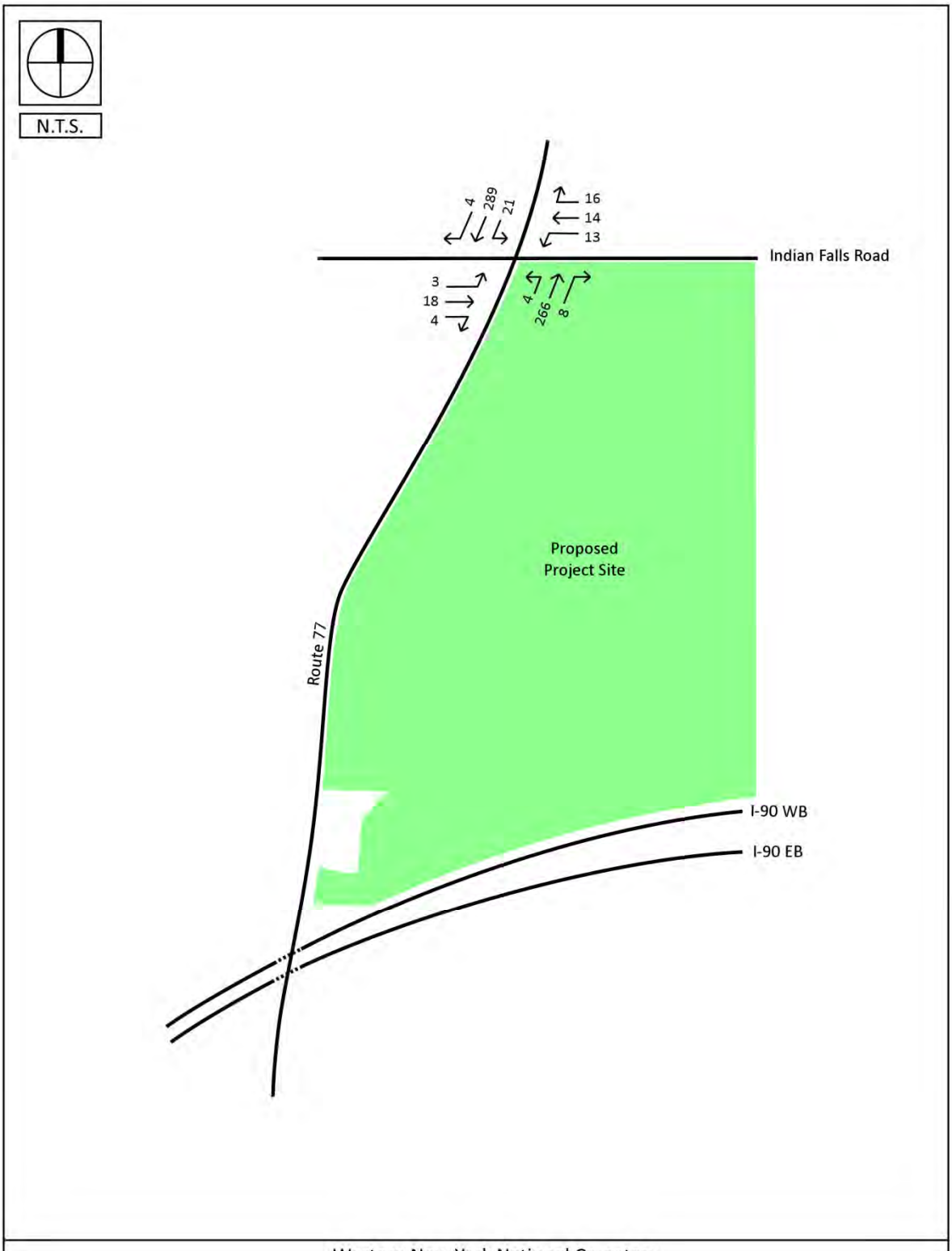
The background conditions capacity analysis (from the original traffic study) indicated a Level of Service of 'c' or better for all movements within the study intersection, for both time periods. These results are indicative of a roadway network that is projected to operate without significant capacity constraints well into the immediate future.

Capacity analysis results are summarized in **Table 2** in **Section IV.E.** of this assessment.



Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Background Conditions (2017) Traffic Volumes
Morning Study Period

Figure 5



Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Background Conditions (2017) Traffic Volumes
Evening Study Period

Figure 6

IV. Construction

Temporary construction access points will be utilized during the construction of the Western New York National Cemetery. These access points are shown in **Figure 2** in **Section I.**

It is anticipated that the construction access points will serve a minimal volume of vehicles (similar to the proposed service access point). Also, a higher volume main access point on Route 77 was assessed in the original traffic study and projected acceptable operations. Therefore, the construction access points are expected to operate acceptably.

Two of the construction access points (points on northern end of Route 77 & Indian Falls Road) are located outside of the Access Point Zones identified in the original traffic study and **Section V.A.** of this study. Flag men following the standards in the Manual on Uniform Traffic Control Devices (MUTCD) [3] will be provided by the contractor to mitigate this issue.

The construction access points are expected to function within acceptable standards due to their anticipated low volumes, the use of flag men, and their temporary usage.

V. Future Conditions

A. Access Point Sight Distance Evaluation

A sight distance evaluation was conducted along the project's property fronting Indian Falls Road on March 22, 2016 to both identify an appropriate zone in which to locate a full use public access point and approximate the sight distances at the proposed full use public access point. Criterion for conducting this evaluation was obtained from ASSHTO's A Policy on Geometric Design of Highways and Streets[4], FHWA's Access Management in the Vicinity of Intersections[5] and NYSDOT's Highway Design Manual[6].

From these sources the following desired sight distances on Indian Falls Road were identified:

- Assumed grades of -3% to +3%
- 85th Percentile Speed (Indian Falls Road):
  - Eastbound-45 mph
  - Westbound-60 mph
- Stopping Sight Distance:
  - Eastbound-360 feet
  - Westbound-570 feet
- Intersection Sight Distance:
  - Left turn from driveway:
    - 630 feet to left
    - 840 feet to right
  - Right turn from driveway: 565 feet – to left
- Minimum Distance from an Intersection: 640 feet

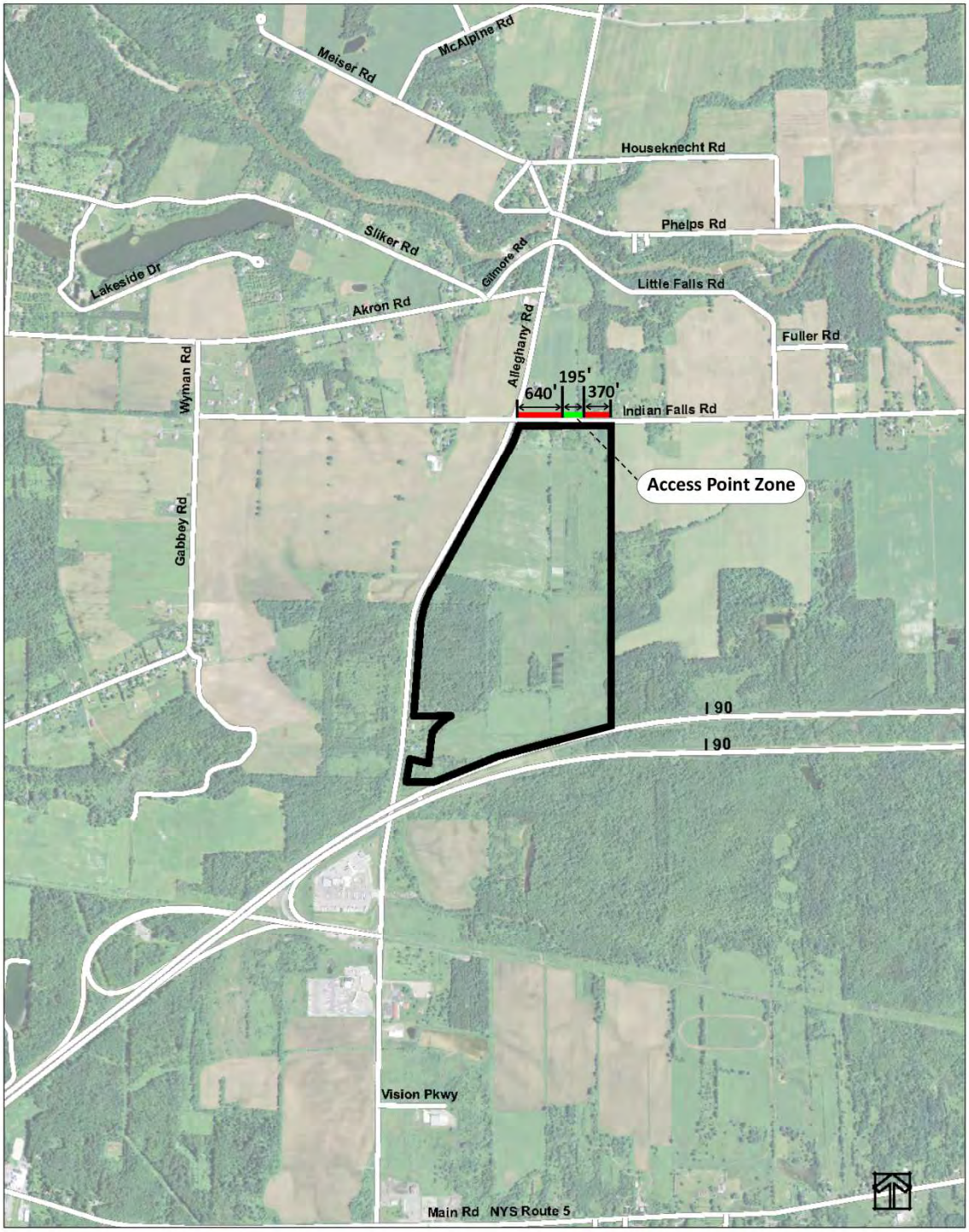
Additionally, based on field observations, it was assumed that:

- The intersection of Route 77 and Indian Falls Road was the sight limit to the west.
- The vertical curve on Indian Falls Road was a sight constraint to the east.
- The estimated functional area of the Route 77 and Indian Falls Road intersection was used to determine the intersection separation constraint.
- A maintenance delivery vehicle (single-unit truck) was used for the determination of the desired sight distances on Indian Falls Road to provide a conservative sight distance evaluation.
    - The primary vehicle type using the public access point will be a passenger vehicle (car, suv or light truck).
    - Maintenance delivery vehicles will also be using this entrance for occasional deliveries to the administration building.
    - The Early Turnover Area will have semi-trucks coming into this entrance for the first two years of cemetery operation until the permanent maintenance area is operational. However, this is a temporary situation and, therefore, was not utilized for the determination of the access point sight distances.

Based on this evaluation, a public access zone of approximately 195 feet was identified along Indian Falls Road. See **Figure 7**

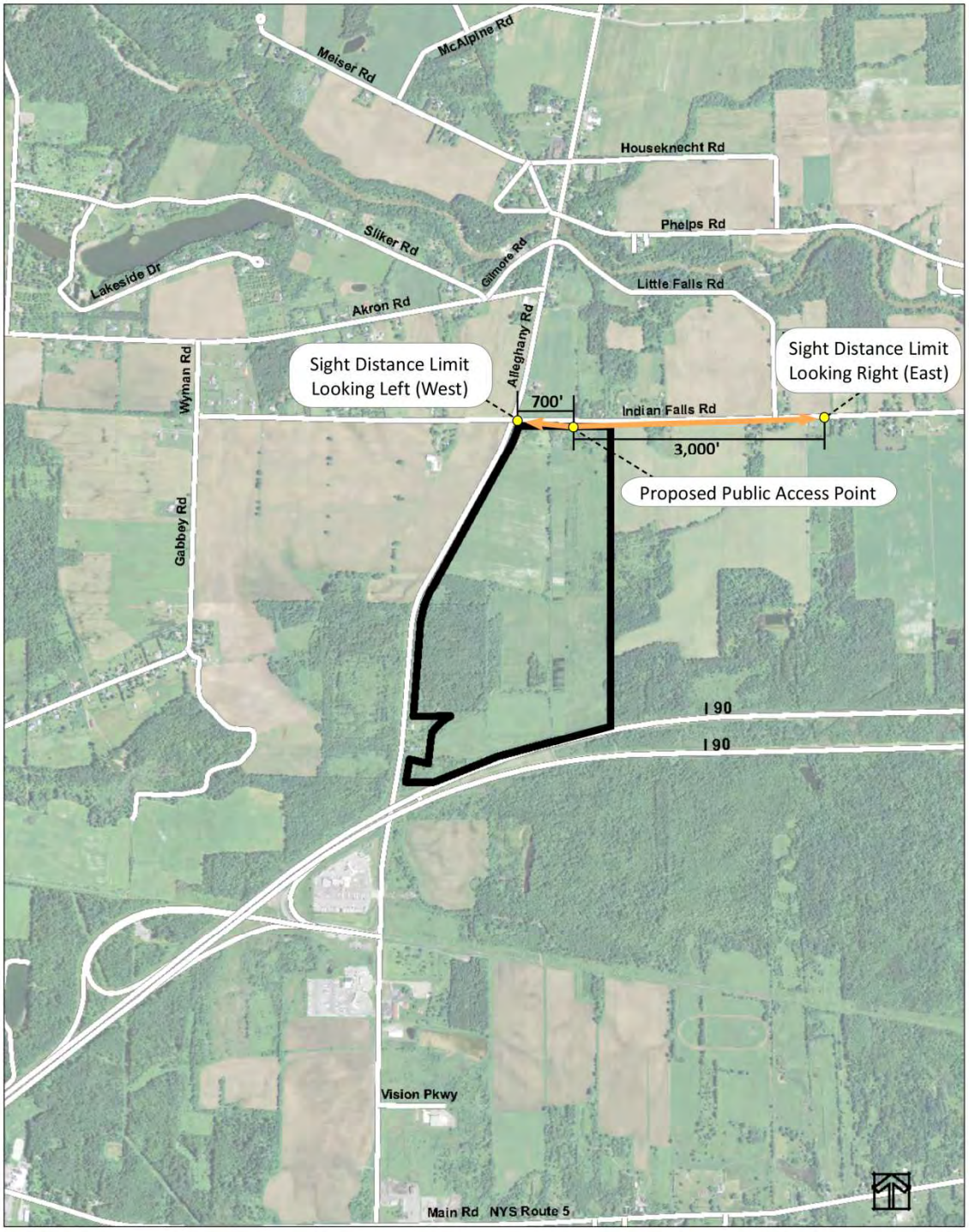
The location of the proposed public access point on Indian Falls Road (from the Western New York National Cemetery Overall Master Plan, included in **Appendix**) is approximately 700 feet east of the Route 77/Indian Falls Road intersection which is within the determined public access zone. Sight distance approximations for this access point were documented. At this specific location, the observed sight distances were greater than the desired intersection and stopping sight distances listed above. **Figure 8** and **Figure 9** present the observed intersection and stopping sight distances, respectively.

The findings of this investigation are considered close approximations based on direct field observation measurements. Measurements were not obtained through the use of a survey crew and survey instruments.



Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Public Access Point Zone Map

Figure 7



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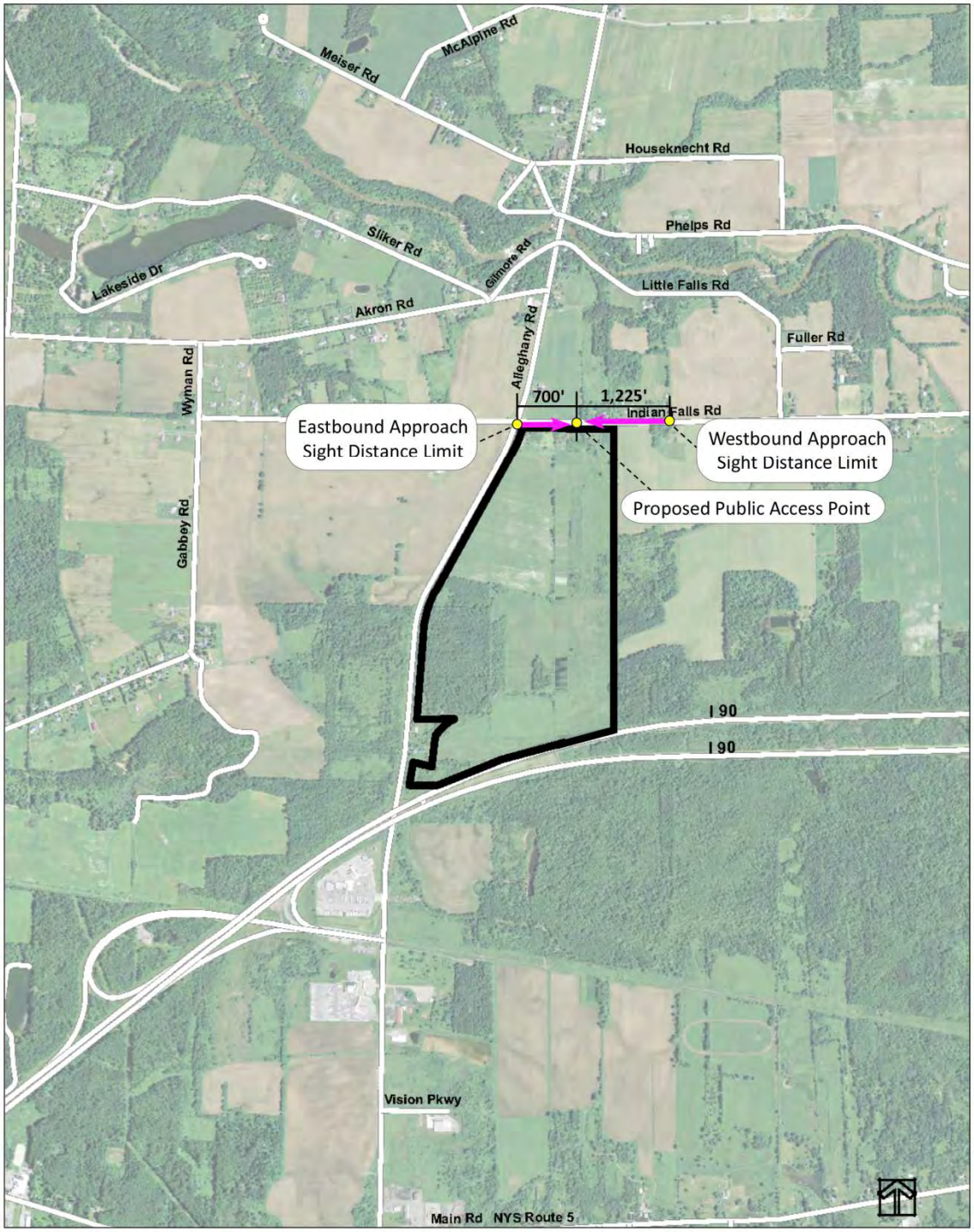
Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Proposed Public Access Point - Observed Intersection Sight Distances

Figure 8



Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Proposed Public Access Point - Observed Stopping Sight Distances

Figure 9

B. Trip Generation

The Trip Generation data established in the original traffic study are considered applicable for this traffic assessment; any minor changes in these numbers are anticipated to have no noticeable impact to the study area intersections. **Table 1** below provides morning and afternoon study period trip generation summary from the original traffic study.

Table 1
Summary of Trip Generation

Morning Trip Generation 8:00-9:00 AM		
Trip Generator	Enter	Exit
Employee	7	0
Cortage	30	0
Visitor	10	5
Total	47	5
Afternoon Trip Generation 3:00-4:00 PM		
Trip Generator	Enter	Exit
Employee	0	7
Cortage	30	30
Visitor	10	20
Total	40	57

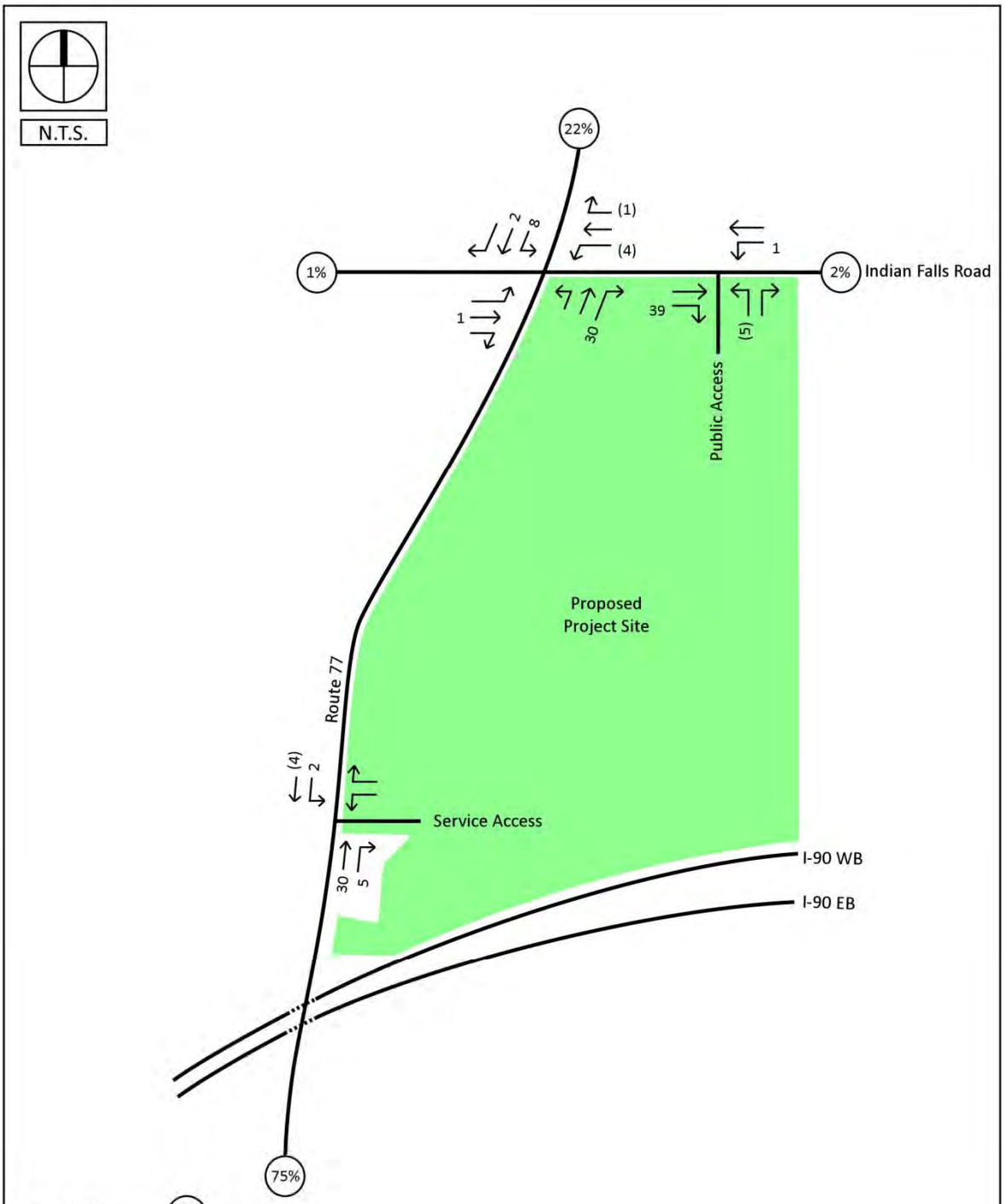
C. Trip Distribution

Approximately 1/3rd of a mile south of the Cemetery site on Route 77 is NYS I-90 Exit 48-Pembroke. NYS I-90 is an east-west toll road that stretches across Upstate New York and is expected to serve a significant percentage of the traffic destined for the Cemetery.

Hence, it is was estimated that 75% of Cemetery trips traveling from and returning to south of the site are expected to travel I-90 Exit-48, and approximately 25% of Cemetery trips travelling from and returning to north of the site are expected to travel through the intersection of Route 77/Indian Falls Road.

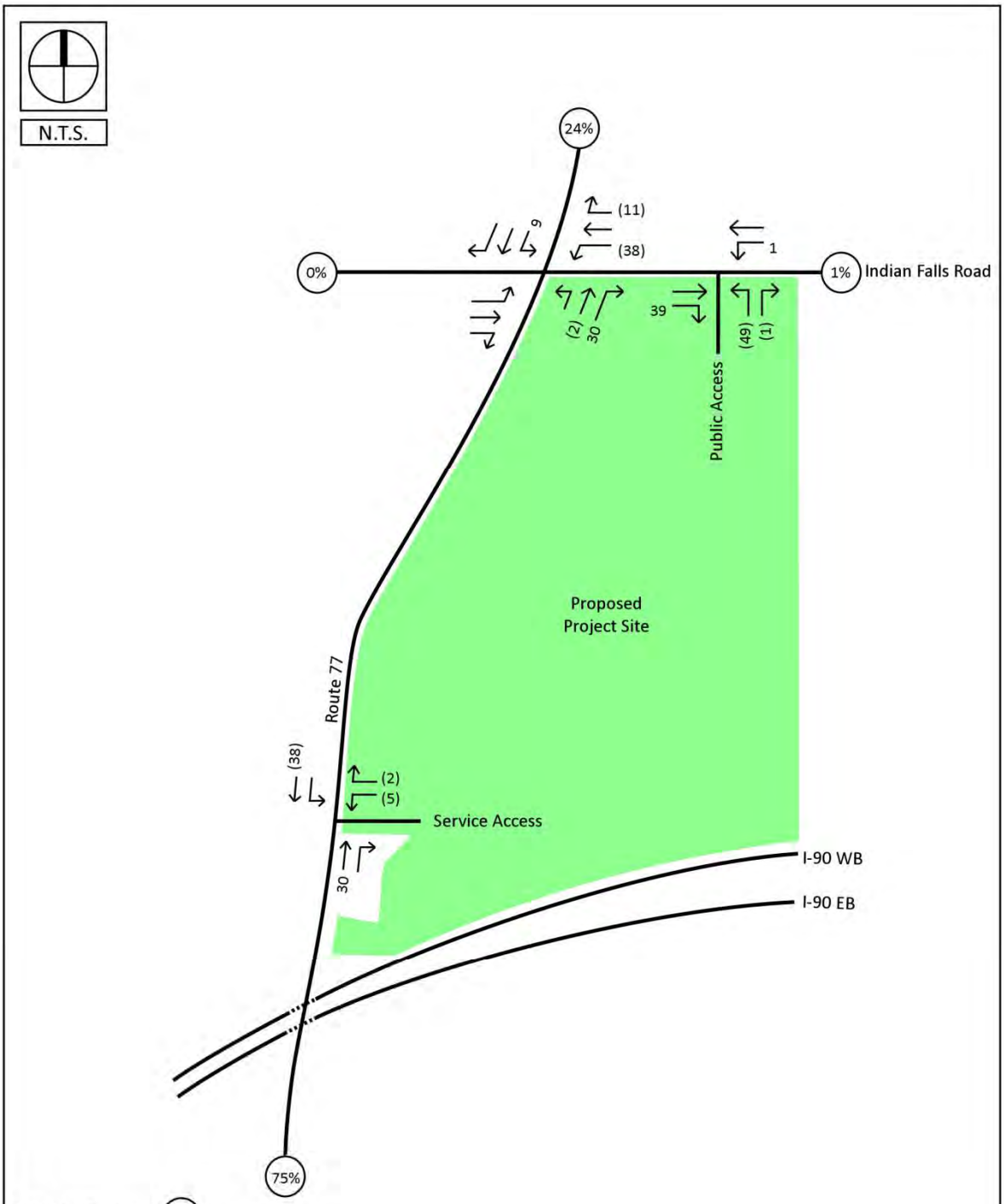
Cemetery trips arriving from and returning to north of the site via the Route 77/Indian Falls Road intersection were distributed based on turning movement count volume data collected April 16, 2015. Trips entering and exiting the project site were distributed based on their trip generator categorization (employee, visitor, and cortege) to determine the appropriate trip across the access point distributions. It was assumed that maintenance employees will utilize the Service Access Point on Route 77.

Morning and afternoon trip distributions in the form of entering and exiting percentages along with actual new trips are provided in **Figure 10** and **Figure 11,** respectively.



Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Entering (Exiting) Trips
Morning Study Period

Figure 10



FISHER ASSOCIATES

Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Entering (Exiting) Trips
Evening Study Period

Figure 11

D. Cemetery Related Operations & Capacity Analysis

To conduct operational capacity analysis for the intersection of Route77/Indian Falls Road and the Indian Falls Road/Public Access point, the Cemetery's trip generation was applied to background conditions traffic volumes. Future Conditions morning and afternoon traffic volumes are provided in **Figures 12** and **13,** respectively.

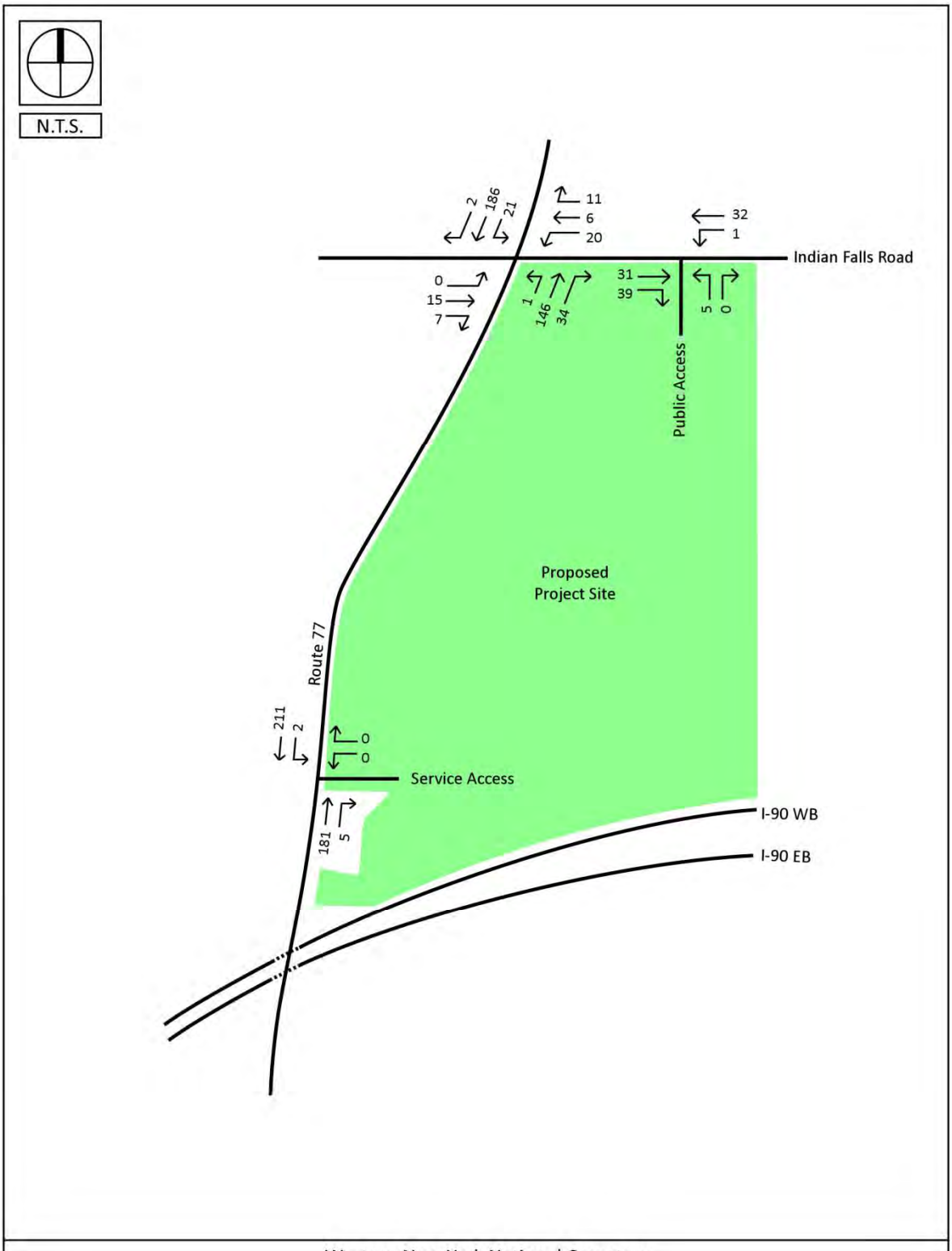
Initially, based on the projected future traffic volumes, the operational capacity analysis assumed the Cemetery's public access would be stop controlled on the Cemetery approach with one lane exiting and one lane entering the property with no left or right turn lanes on Indian Falls Road.

No changes in volumes or operations at the Proposed Service Access point from the original traffic study are anticipated. It is projected that the service access will serve less than 10 vehicles during either of the two study periods on a typical day. Therefore, due to these minimal traffic volumes, the service access point is expected to operate acceptably.

Results of the capacity analysis indicate that all movements within the study intersections are expected to operate at a Level of Service 'c' or better during both analysis hours. Capacity analysis results are summarized in **Table 2** in **Section IV.E.** of this assessment.

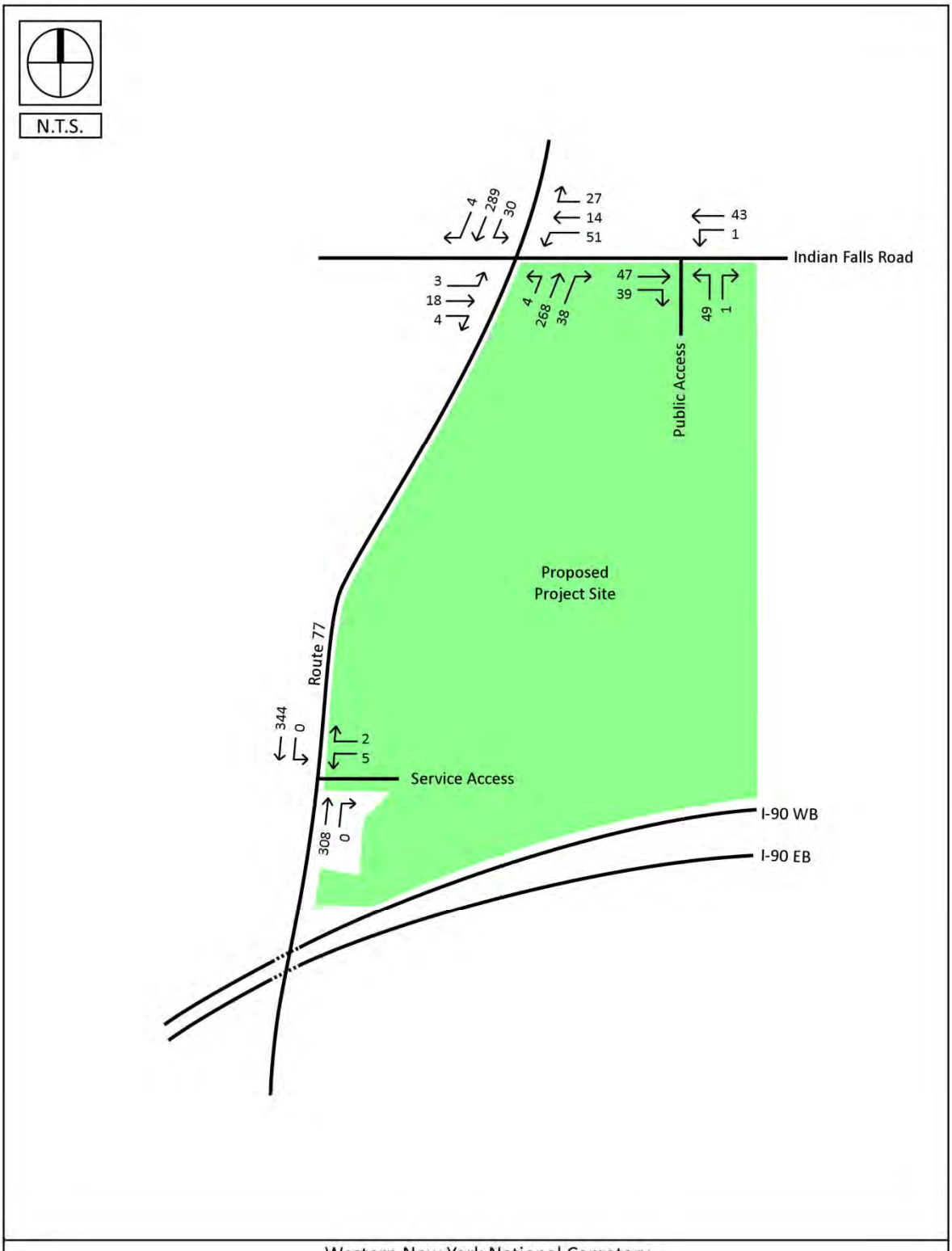
Capacity analysis summary reports for future conditions are provided in the **Appendix** of this report.

The 2009 edition of the Manual of Uniform Traffic Control Devices (MUTCD) Chapter 4C[3] provides nine signal warrants to evaluate the need for a traffic signal at an intersection. A qualitative review of signal warrants indicated signal control is not applicable at the Route 77/Indian Falls Road intersection or the Indian Falls Road/Public Access intersection, which is further supported by the acceptable level of service 'c' or better for side street stop control.



Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Future Conditions (2017) Traffic Volumes
Morning Study Period

Figure 12



Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Future Conditions (2017) Traffic Volumes
Evening Study Period

Figure 13

E. Turn Lane Evaluation – Safety Considerations

As indicated by the operational analysis, mainline left and right turn lanes at the public access point on Indian Falls Road and on Route 77 at the Route 77/Indian Falls Road intersection are not necessary to achieve acceptable Levels of Service for the proposed traffic demands related to the more routine/typical weekday Cemetery activities associated with visitors, burial corteges and staffing.

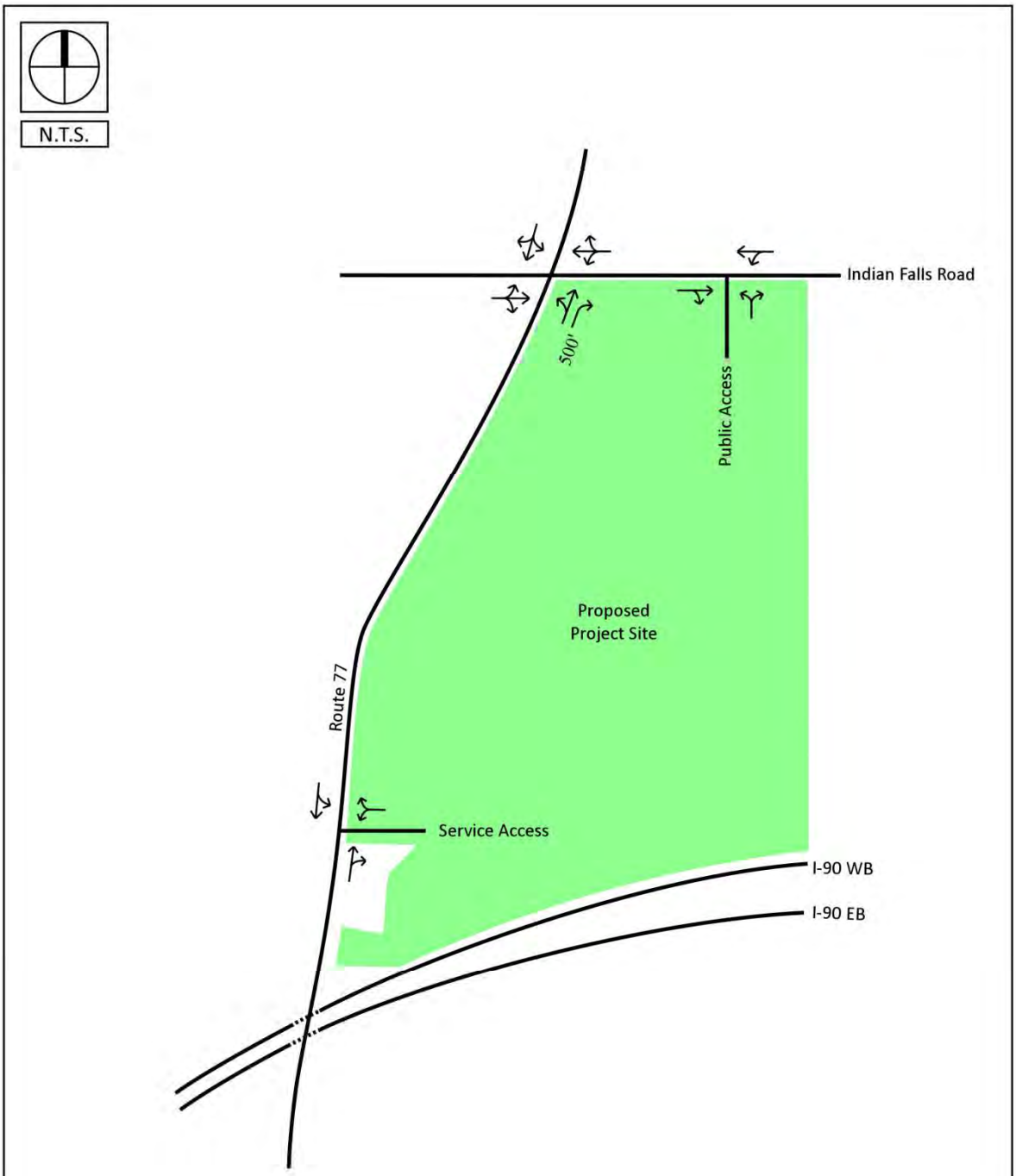
A review of the left and right turn lane warrants, contained in the **Appendix**, were conducted at the two intersections to determine if turn lanes should be considered based on traffic volumes and speeds alone. The results of the turn lane warrant review indicate that left and right turn lanes are not warranted at the public access point on Indian Falls Road. The Route 77/Indian Falls Road intersection warrants a right turn lane on the northbound approach and the southbound approach minimally meets the thresholds for a left turn lane.

Given the higher travel speeds on Route 77 coupled with the predominant driver types connected with the Cemetery (older, unfamiliar with the area, and potentially preoccupied by their visit), it is recommended that a northbound right turn lane be provided at the Route 77/Indian Falls Road intersection to reduce the potential for accidents.

The southbound approach only minimally meets the thresholds for a left turn lane. Since it only minimally meets the thresholds for a left turn lane others factors were reviewed to determine if a southbound left turn lane is recommended. The review determined that there are minimal vehicles destined for the cemetery on this approach and the results of the operational analysis indicate that a southbound left turn lane is not needed. Therefore, it is recommended that a southbound left turn lane not be implemented at the Route 77/Indian Falls Road intersection.

For the recommended northbound right turn lane at the Route 77/Indian Falls Road intersection, a review of ASSHTO's Policy on Geometric Design of Highway's and Streets[3] as well as Chapter Five from the NYSDOT Highway Design Manual[5] noted the desirable full deceleration length is 605 feet for a roadway travel speed of 60 MPH. If it is assumed that traffic entering the turn lane has already begun its deceleration by 10 MPH, then the desirable full deceleration length is 425 feet for a roadway travel speed of 50 MPH. These full deceleration lengths are in addition to vehicle storage lengths based on potential vehicle queuing. Since the operational capacity analysis for the Route 77/Indian Falls Road intersection did not predict the need for turn lanes to satisfy a capacity constraint, a nominal vehicle queue length of two passenger cars was assumed. This queue length was then correlated to a lane storage length of approximately 75' on the northbound approach to the Route 77/Indian Falls Road intersection. **Figure 14** presents the recommended lane designations for the study intersections.

These turn lane geometries are provided for guidance purposes. It is recommended, as part of the detailed design process, that the turn lane geometries be refined to identify a best-fit turn lane geometric to account for the physical constraints of the roadway network and desirable conditions to accommodate the Cemetery's functions and activities.



FISHER ASSOCIATES

Western New York National Cemetery
Supplemental Traffic Study - Indian Falls Road
Recommended Intersection Lane Designations

Figure 14

Future Conditions capacity analysis was conducted with the implementation of the northbound right turn lane at the Route 77/Indian Falls Road intersection. Results of the capacity analysis indicate that all movements within the study intersections are expected to operate at a Level of Service 'c' or better during both analysis hours. Capacity analysis summary reports for the turn lane evaluation are provided in the **Appendix** of this report. **Table 2** summarizes the results of the capacity analysis.

Table 2
Level of Service Summary

AM Peak										
Study Intersection	Approach	Movement	Existing Conditions		Background Conditions		Future Conditions		Proposed Auxiliary Lanes	
			Delay (Sec/Veh)	LOS	Delay (Sec/Veh)	LOS	Delay (Sec/Veh)	LOS	Delay (Sec/Veh)	LOS
Indian Falls Road & Route 77 (Unsignalized Intersection)	Eastbound	LTR	11.4	b	11.5	b	12.0	b	12.0	b
	Westbound	LTR	11.6	b	11.8	b	12.4	b	12.2	b
	Northbound	LTR (LT)	0.1	a	0.1	a	0.1	a	0.1	a
		(R)	-	-	-	-	-	-	0.0	a
	Southbound	LTR	0.6	a	0.6	a	0.9	a	0.9	a
Public Access Point & Indian Falls Road (Unsignalized Intersection)	Eastbound	(TR)	-	-	-	-	0.0	a	0.0	a
	Westbound	(LT)	-	-	-	-	0.2	a	0.2	a
	Northbound	(LR)	-	-	-	-	9.0	a	9.0	a
PM Peak										
Study Intersection	Approach	Movement	Existing Conditions		Background Conditions		Future Conditions		Proposed Auxiliary Lanes	
			Delay (Sec/Veh)	LOS	Delay (Sec/Veh)	LOS	Delay (Sec/Veh)	LOS	Delay (Sec/Veh)	LOS
Indian Falls Road & Route 77 (Unsignalized Intersection)	Eastbound	LTR	15.2	c	15.5	c	16.5	c	16.5	c
	Westbound	LTR	14.5	b	14.8	b	19.6	c	18.9	c
	Northbound	LTR (LT)	0.2	a	0.2	a	0.2	a	0.2	a
		(R)	-	-	-	-	-	-	0.0	a
	Southbound	LTR	0.7	a	0.7	a	1.0	a	1.0	a
Public Access Point & Indian Falls Road (Unsignalized Intersection)	Eastbound	(TR)	-	-	-	-	0.0	a	0.0	a
	Westbound	(LT)	-	-	-	-	0.2	a	0.2	a
	Northbound	(LR)	-	-	-	-	9.4	a	9.4	a

Notes*
Levels of Service (LOS) were obtained from Synchro 8 reports._
Delay is vehicle delay measured in seconds._
a = Unsignalized Intersection_
T (TR) = Existing Lane Geometry (Proposed Lane Geometry)_

VI. Conclusions

In Summary, the following transportation related conclusions, recommendations and considerations are provided to accommodate the public access point on Indian Falls Road for the Western New York National Cemetery:

- The proposed public access point on Indian Falls Road is acceptably located within the 195 feet public access zone and the observed sight distances were greater than desired intersection and stopping sight distances criterion.
- Acceptable levels of service are predicted for the public access point with the Cemetery approach being stop sign controlled with one lane exiting and one lane entering and no auxiliary turn lanes on the mainline approaches.
- It is recommended a northbound right turn lane be provided at the Route 77/Indian Falls Road intersection to provide a deceleration lane and reduce the potential for accidents. As part of the detailed design process, the turn lane geometries should be refined to identify a best-fit turn lane geometric to account for the physical constraints of the roadway network and desirable conditions to accommodate the Cemetery's functions and activities.

References:

1. Trafficware, Synchro 8 Software.
2. Transportation Research Board. Highway Capacity Manual, Washington, DC, 2010.
3. Federal Highway Administration. 2009 Manual on Uniform Traffic Control Devices (MUTCD).
4. ASSHTO. A Policy on Geometric Design of Highways and Streets.
5. FHWA. Access Management in the Vicinity of Intersections.
6. NYSDOT. Highway Design Manual.

Western New York National Cemetery

Average Total Vehicles Per Days of Operation Calculation
Prepared by The LA Group on 07/21/2016

Total Days of Service Calculation

The Cemetery will be operational Monday thru Friday

Operational weeks in a year	52
Operational days in a week	5
Federal Holidays not in operation	10
Total days operational per year	250

Average Burial Rate over 10-years

This is based off of the acceptance of alternates and base bid conditions

	Plots	Occupancy/Plot	Occupancy
Pre-Placed Crypt Burial	4,600	1.25	5,750
Private Vault Burial	650	1.00	650
Oversized Pre-Placed Crypt Burial	650	1.25	813
Natural Alternative Burial	300	1.00	300
In-Ground Cremain Burial	1,500	1.25	1,875
Columbarium Niches Inurnment	4,872	1.25	6,090
Memorial Wall Markers (Not a gravesite but a service)	300		300
Total Number of Gravesites	12,572		
Total Possible Number of Services over 10 years	15,778		

Number of Services per day of operation

Total Possible Number of Services over 10 years	15,778
Average Services per year	1,578
Total days of service per year	250
Average Services per day of operation	6.311

Average Total Vehicles Per Days of Operation Calculation

Average number of vehicles per service	15	
Average number of vehicles per day for services	95	
Administration Staff vehicles per day	6	6 parking spaces
Maintenance Staff vehicles per day	17	17 parking spaces
Honor Guard vehicles per day	12	12 parking spaces
Total Staff vehicles per day	35	
Visitor Vehicles during peak hours	20	
Visitor Vehicles during non-peak hours	18	
Visitors per day	38	

Average Total Vehicles Per Days of Operation 168

Western NY National Cemetery

2015 Groundwater Level Readings

Depth below ground surface (ft.)

	Date of Reading				
Well ID	4/24/2015	6/25/2015	8/3/2015	9/4/2015	10/7/2015
W-1	6.5	7.51 *	7.51 *	7.51 *	7.51 *
B-3	6.25	4.1 *	**	**	**
B-50	-	7.97 *	7.97 *	7.97 *	7.97 *
W-2	6.75	11.71 *	**	**	**
B-28	5.5	8.93 *	**	**	**
W-3	4.75	5.66	**	**	**
W-4	0.667	1.51	**	**	**
B-30	0.5	1.17	4.45	6.34	8.26*
W-5	0.25	1.34	4.68	7.51 *	7.51 *
B-21	0	0.75	2.41	3.07	3.05
B-8	n/r	5.67	11.63*	11.63 *	11.63 *
B-19	n/r	3.55	8.35	12.20 *	12.20 *
B-48	n/r	1.49	3.28	4.96	4.82
B-38	n/r	n/r	3.66	4.66	5.06
W-7	0.75	n/r	n/r	n/r	n/r
W-8	0.75	n/r	n/r	n/r	n/r

* Bottom of well (dry)

** Well missing (presumed destroyed during farm plowing)

n/r - No Reading

EMPIRE GEO SERVICES, INC.
A SUBSIDIARY OF SJB SERVICES, INC.

November 16, 2015
Project No. BE-15-061

Public Properites
3210 Grace Street NW, Suite 100
Washington, DC 20007

Attention: Mr. Edward G. Bennan II, Director

Re: General Site Assessment and Geotechnical Evaluation Report for
Proposed Veterans Affairs Cemetery
Indian Falls Road (Schmigel Parcel)
Town of Pembroke, Genesee County, New York

Dear Mr. Bennan:

Empire Geo-Services, Inc. (Empire) is pleased to submit an electronic PDF version of this General Site Assessment and Geotechnical Evaluation Report to Public Properties, on behalf of Veterans National Affairs, for the above referenced project. A pdf file copy of the report has been e-mailed to you and included on a DVD, for your use and distribution, as appropriate.

As the development of the proposed project site evolves, there will likely be additional issues, which Empire may need to address. Accordingly, please contact me, should you have any questions regarding our report or if you would like to discuss any design limitations and issues.

Sincerely,

EMPIRE GEO-SERVICES, INC.

Wanda M. Allen, P.E.
Geotechnical Engineer

Enc.: General Site Assessment and Geotechnical Report (DVD copy)

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MEMBER
ACEC New York
American Council of Engineering Companies of New York

General Site Assessment and Geotechnical Evaluation Report for Proposed Veterans Affairs Cemetery Indian Falls Road (Schmigel Parcel) Town of Pembroke, Genesee County, New York

Prepared For:

Public Properties
3210 Grace Street NW, Suite 100
Washington, DC 20007

Prepared By:

Empire Geo-Services, Inc.
5167 South Park Avenue
Hamburg, New York 14075

Project No.: BE-15-061
November 2015

TABLE OF CONTENTS

1.00 INTRODUCTION

1.10 GENERAL

This report presents a summary of the subsurface exploration program and geotechnical engineering evaluation, completed by Empire Geo-Services, Inc. (Empire), for the proposed Veterans Affairs National Cemetery (VA Cemetery) project site planned off of Indian Falls Road (Schmigel Parcel) in Pembroke, New York. The approximate location of the project site is shown on Figure 1.

Public Properties retained Empire to complete the subsurface exploration program and provide a general site assessment and geotechnical evaluation report for the proposed project. This work was completed in general accordance with our August 29, 2014 proposal.

The subsurface exploration program consisted of the following, which serves as a basis for our geotechnical evaluation and considerations presented herein:

- Completion of test borings at twenty (20) locations (designated as B-1 through B-20) throughout the 70 acre parcel of land;

- Installation of groundwater observation wells within two (2) of the completed test borings (i.e. at boring locations B-3 and B-16);

- Measuring and recording the groundwater levels in the observation wells on two occasions during our study; and

- Completion of seven (7) test pits to further assess the soil and groundwater conditions present.

SJB Services, Inc. (SJB), our affiliated drilling and testing company completed the test borings, installed the groundwater observation wells and excavated the test pits.

Based on the findings from the exploration program, Empire prepared this report, which summarizes the subsurface conditions encountered, and presents geotechnical considerations to assist in the assessment of the site for use as a cemetery.

1.20 SITE DESCRIPTION

The proposed VA Cemetery project site is planned on an approximate 70 acre parcel of land, located off the south side of Indian Falls Road (County Road 4), north of Interstate 90, in Pembroke, Genesee County, New York. The site consists generally of agricultural fields and heavily wooded areas.

The topography of the site appears to be relatively level, based on the ground surface elevations obtained at the test boring and test pit locations, which vary from about El. 93.7 feet to El. 103.1 feet. The ground surface elevations obtained at the exploration locations were referenced to an arbitrary benchmark, established by SJB, as summarized further below.

1.30 PROJECT DESCRIPTION

The proposed VA Cemetery project is in the preliminary phase, and a proposed development plan had not been established at the time of our geotechnical investigation. Accordingly, this geotechnical investigation was completed to provide a general site assessment of the proposed property to determine possible subsurface issues and feasibility with regard to development of a cemetery on the parcel.

Generally, it is expected that development of the cemetery will include construction of mausoleums, maintenance building(s), monuments, roadways, sidewalks, underground crypts and underground double depth burial lots. Significant site grade changes are not anticipated, and are likely to be minimized to limit cost(s) for development of the cemetery.

2.00 SUBSURFACE EXPLORATION PROGRAM

The subsurface exploration program was completed by SJB between October 7th and 14th, 2015. The subsurface exploration program consisted of performing test borings at twenty (20) locations, test pits at seven (7) locations and the installation of two (2) groundwater observation wells. The test boring locations are designated as B-1 through B-20 and the groundwater observation wells are identified by the test borings in which they were installed (i.e. observation wells B-3 and B-16). The test pits are designated as TP-1 through TP-7.

The test boring and test pit locations were established on a site plan by Empire, to provide general coverage of the project site. SJB then staked the exploration locations in the field using hand held global positioning instrumentation. The

approximate exploration and groundwater observation well locations are shown on Figure 2.

Laser survey level techniques were utilized to determine the relative ground surface elevation at the test boring and test pit locations. The ground surface elevations were referenced to the top of the existing survey pin (benchmark), located near the existing cemetery. The benchmark was assigned an arbitrary elevation datum of 100.00 feet by SJB. The approximate location of the benchmark is shown on Figure 2.

The test borings were made using a Diedrich model D-50 all terrain rubber track mounted drill rig, using hollow stem auger and split spoon sampling techniques. All the test borings were advanced to a depth of 12.0 feet. Split spoon samples and Standard Penetration Tests (SPTs) were taken continuously from the ground surface until sample spoon refusal was met at a depth of 10.3 feet (B-2) or to boring completion. The split spoon sampling and SPTs were completed in general accordance with *ASTM D 1586 - "Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils"*.

The groundwater observation wells installed in test borings B-3 and B-16 consisted of a 2-inch diameter PVC well screen and riser pipe with a sand filter, bentonite seal and soil backfill. The well riser pipes extend about 3.1 feet to 2.7 feet above the existing ground surface at the boring locations. Additional details regarding the construction of the observation wells are shown on the Monitoring Well Completion Records presented following their respective test boring logs in Appendix A.

A Geologist from SJB prepared the test boring logs based on visual observations of the recovered soil samples, along with review of the driller's field notes. The soil samples were described based on a visual/manual estimation of the grain size distribution, along with characteristics such as color, relative density, consistency, moisture, etc. The test boring logs are presented in Appendix A, along with general information and a key of terms and symbols used to prepare the logs.

The test pits were excavated using a Ford 555E rubber tire mounted backhoe. The test pit conditions were observed, photographed and logged by a representative of SJB. The test pit logs are included in Appendix B. Photographs of the general conditions encountered in the test pits are included in Appendix C.

3.00 SUBSURFACE CONDITIONS

3.10 GENERAL

The general soil stratigraphy encountered by the test borings and test pits consisted of surface topsoil, fill soils and/or indigenous silty clay, clayey silt, silt, sand and gravel soil deposits overlying apparent Limestone bedrock. The soil stratigraphy encountered and the groundwater conditions observed are described in more detail in the following sections and on the test boring logs in Appendix A and the test pit logs in Appendix B.

3.20 SURFACE MATERIALS

SJB's driller or geologist noted topsoil at the ground surface of test borings B-1, B-2, B-3, B-6, B-11, B-12 and B-14 through B-20. The topsoil thickness varied from about 6 to 14-inches. It is noted that the topsoil measurements are widely spaced and are approximate, as the data is limited and subject to interpretation.

In addition, the upper near surface indigenous soils have been disturbed in many cases due to past agricultural uses of the site. Trace to little amounts of organics was noted within the surface soils at varying boring and test pit locations across the site. Stripping of the site beyond the surface topsoil layer may be necessary in some areas to remove these organics, as well as tree stumps, root matter and the organic indigenous soils. Therefore this information should not be solely relied on for estimating topsoil quantities present on the site, which may be required to be removed for building, roadway and sidewalk construction. Accordingly, it will be necessary for the Contractor, and/or others, to make their own detailed observations and measurements, prior to bidding and construction, to determine the quantities, costs and efforts that will be required for removal of the topsoil, organics and roots and any associated replacement with an appropriate suitable fill materials.

Fill and/or reworked indigenous soils were present at the ground surface or beneath the topsoil at exploration locations, B-1 through B-5, B-8, B-11, B-14, TP-1 through TP-3, TP-5 and TP-6. The fill consisted generally of silty clay, clayey silt and/or fine sand soils with trace to little amounts of gravel and organics. The fill was found to typically extend to a depth about 2 feet below existing site grades. However, at test boring location B-11, the fill was found to extend to a depth of about 4 feet.

It is noted that the exploration locations at which the fill soils were present are located within the existing agricultural fields. Accordingly, it is most likely, the fill soils are reworked/disturbed indigenous soil deposits which occurred during the farming activities. It should be expected that the nature and depth of the fill and

reworked indigenous soils will vary between and away from the boring locations and can vary on the extent to which the site has been previously disturbed.

3.30 INDIGENOUS SOILS

The indigenous soils encountered at the test boring and test pit locations consisted predominately of intermixed silty clay, clayey silt, silt and fine sand soil deposits with varying amounts of gravel and cobbles/boulders. Gravel with varying amounts of clayey silt, silt and sand were also present at varying depths at test boring locations B-1, B-2, B-7, B-11, B-12, B-15 and B-18. These indigenous soils vary in composition between CL, ML, SC, SM-SC, SM, SP, GM-GC, GP and GW-GP group soils using the Unified Soil Classification System (USCS).

The Standard Penetration Test (SPT) "N" values obtained within the indigenous soil deposits at the test boring locations ranged from 4 to greater than 50, indicating the cohesive silty clay and clayey silt soils have a variable consistency ranging from "medium" to "hard", while the generally more granular low to non-plastic silt, sand and gravel soils have a variable relative density ranging from "loose" to "very compact". The softer and looser indigenous soils were generally encountered within the upper 2 to 6 feet.

Sample spoon refusal ("REF" – greater than 50 blows required to advance the split spoon with 6-inches or less of penetration) was encountered at borings B-2, B-3 and B-13, generally below a depth of about 4 to 6 feet. The spoon refusal indicates a very compact relative density or hard consistency of these soil deposits. However, cobble and boulder fragments present within the soil deposits will generally increase the SPT "N" values. In addition, at test boring locations B-9, B-10 and B-12, the driller noted a possible cobble/boulder obstruction below a depth of about 6 feet, 10 feet and 4 feet, respectively, although spoon refusal was not encountered.

An occasional cobble and/or boulder was also noted at all the test pit locations at varying depths. Accordingly, cobbles and boulders should be expected to be encountered at varying locations and depths throughout the proposed project site.

3.40 REFUSAL CONDITIONS/APPARENT BEDROCK

At test boring location B-2, gray limestone rock fragments were recovered within the final split spoon sample obtained between depths of 10.0 feet and 10.3 feet.

The driller was able to advance the test boring, using hollow stem auger techniques, to a depth of 12 feet below the existing ground surface, where the test boring was then terminated. The limestone rock fragments suggests encountering the top of bedrock, however, it is possible the fragments were the result of encountering a large cobble or boulder.

At test pit location TP-1, the excavation was unable to extend any deeper than a depth of 6.5 feet below the existing ground surface. Based on the conditions observed (i.e. generally level and continuous surface), it appears the top of bedrock was encountered at this depth.

The limestone rock fragments and apparent top of bedrock, as identified by SJB's geologist, was not encountered at the remaining test borings or test pit locations. Accordingly, it appears, bedrock, where present within the depths explored, is limited to the far northern portion of the project site. Refer to Figure 2 for the approximate locations of boring B-2 and test pit TP-1.

3.50 GROUNDWATER CONDITIONS

Water level measurements were made in the test borings at the completion of overburden drilling and sampling and are noted on the test boring logs included in Appendix A. Freestanding water was measured at depths of about 11.2 feet, 7.9 feet, 5.3 feet, 7.1 feet, 6.3 feet, 8.1 feet and 6.7 feet at test boring locations B-5, B-12, B-14, B-15, B-17, B-18 and B-20, respectively. At the remaining test boring locations, freestanding water was not encountered immediately following the completion of drilling operations. In addition, freestanding water was not encountered at any of the test pit locations following the completion of excavation. It is noted however, at test pit locations, TP-3 and TP-6, groundwater seepage was noted at or near the bottom of the excavation.

In both cases, given the predominately fine grained nature of the soil samples recovered, sufficient time for the groundwater to accumulate and/or stabilize in the test boring holes or test pit excavations within the time that had elapsed from the completion of drilling operations or the excavations and the time of measurement was likely not provided prior to the groundwater level observations / measurements.

Groundwater observation wells were installed in completed test borings B-3 and B-16 to better assess the approximate static groundwater level. A representative of SJB visited the site to record the water level in the wells on two occasions, November 10th and 12th, 2015.

On both dates, the well was dry at test boring location B-3. On November 10th, 2015, the groundwater level was at a depth of about 6.1 feet, below the existing ground surface at test boring location B-16. SJB then bailed the well dry following the groundwater level measurement. On November 12th, 2015, the groundwater was present at a depth of about 5.7 feet below the existing ground surface. Accordingly, the groundwater fully recovered within the time that had elapsed following bailing of the well.

Based on the groundwater level measurements obtained within the ground observation wells, as well as the observations within the test borings and test pits, it appears saturated soil conditions (i.e. groundwater table) are within a depth of about 5 to 6 feet within the central to southern portion of the project site.

Although not readily observed at the test boring and test pit locations, it is possible that some localized zones of perched or trapped groundwater could be present in the more pervious fill and indigenous soils, which overlie less permeable soils. Perched groundwater conditions can be particularly prevalent following heavy or extended periods of precipitation and during seasonally wet periods.

It should be expected that groundwater conditions will vary with changes in soil conditions, precipitation and seasonal conditions and can be influenced by fluctuations in the level of the nearby Tonawanda Creek.

4.00 PRELIMINARY GEOTECHNICAL CONSIDERATIONS

4.10 GENERAL GEOTECHNICAL CONSIDERATIONS

The presence of variable soil conditions and the high groundwater conditions may make development of the site difficult, especially for underground structures. It appears, the northern portion of the site may be more suitable for placement of underground crypts and burial plots. However, because of the shallow groundwater conditions, without raising the current site grades, development of the remaining portions of the site for use as cemetery burial plots may not be conducive.

Excavations to prepare bearing grades, construct foundations, install underground utilities, construct underground crypts and burial plots are expected to encounter varying amounts of groundwater depending on location and surrounding soil type. The relatively free draining sand and gravel type soils are expected to yield more significant quantities of groundwater. These soils along with the non-plastic silt soil deposits can undergo rapid excavation bottom and sidewall instability, if not properly dewatered in advance of excavation. Groundwater seepage through the

lower permeability silty clay and clayey silt soils is expected to be relatively minor and substantially less, compared to the sand and gravel soils.

Based on the conditions encountered at the test boring and test pit locations, it appears the soils consisted predominately of silty clay and clayey silt soil deposits. At all the test pit locations, the excavation sidewalls were generally stable. However, the test pit excavations were backfilled immediately following excavation of the test pit and did not remain open for an extended period of time. Water did began to seep into the excavations, at a couple locations, and therefore, it is expected that the silty clay and clayey silt subgrades may also degrade over time as excavations are made into these soils, below groundwater conditions.

In the central to southern portion of the project site, it appears groundwater is within a depth of 5 feet to 6 feet below existing site grades. Therefore, it appears that more extensive dewatering could be required to perform earthwork, foundation and utility construction, and excavations for crypts and burial plots under relatively dry conditions, where excavations extend below the groundwater. It is expected that site dewatering may require the use of groundwater cut-off trenches, groundwater barriers and deep sumps/well points operating on a continuous basis to control groundwater, depending on the groundwater conditions at the time of construction and location on site. The raising of site grades and the time of year construction proceeds may help reduce the amount of dewatering required. The final site grading design, including storm/surface water drainage should consider the relatively shallow groundwater conditions present and the potential impacts of nearby Tonawanda Creek.

A temporary shoring (trench box, etc.) may also be necessary to maintain open excavations, where loose silt, sand and gravel soil deposits are present. In addition, the excavation effort may become difficult due to the very compact and hard indigenous soils encountered at varying locations on the site, including the amount of cobbles and boulders present. In most cases, the cobbles and boulders were able to be removed with the small tractor backhoe (Ford 555E), however, at test pit locations TP-2, TP-4 and TP-5, the boulder(s) below depths varying from 2.5 feet and 11.0 feet were not able to be removed and were not rippable. It is possible the boulders would be able to be removed with a large size excavator. In either case, the excavation effort is expected to become generally more difficult with depth.

In addition to the cobbles and boulders, it appears Limestone bedrock was encountered at test boring location B-2 at a depth of about 10.0 feet below the existing ground surface. At test pit location, TP-2, it appears the Limestone bedrock was encountered at a depth of about 6.5 feet. The excavation was unable

to extend beyond 6.5 feet due to the apparent top of bedrock. Accordingly, the apparent bedrock is not considered to be a rippable material. Therefore, the use of pneumatic or hydraulic breaker or rock grinder, may likely be necessary to loosen the material for excavations which encounter bedrock.

It is also noted that the upper soil conditions are generally loose or of a medium consistency. Although standing water was not readily apparent across the project site, at the time of our investigation, SJB's geologist noted that the upper soil conditions, predominately on the southern portion of the site, was soft and generally moist-wet, similar to the conditions of a low lying swampy wet area. Therefore, site development and construction of the access roadways, sidewalks, etc. will also be difficult without special subgrade preparation procedures. Accordingly, raising the site grades may be necessary in some areas in order to construct roadways, sidewalks, etc., as well as for construction of any building structures and monuments, and for general landscaping. Following stripping of the site, the placement of oversized stone fill material encased in stabilization geotextile top and bottom, may be necessary in some areas to help stabilize the subgrades prior to the subgrade fill placement, particularly if the existing subgrades are in a soft/wet condition.

In general, it appears the northern portion of the site would be suitable for use of cemetery with limited site improvements. However, site improvements, including re-grading the project site and implementation of storm and surface water drainage appear will be necessary for the remaining portions of the site for development.

We are available to discuss the site conditions and site development limitations, as Public Properties along with the Department of Veterans Affairs, proceeds with the feasibility study. If development of the site does proceed, it is recommended the involved parties have a clear understanding of the site limitations, potential construction problems, risks and costs.

4.20 SEISMIC DESIGN CONSIDERATIONS

Based on the subsurface conditions encountered, the upper 100 feet of the project site can be preliminarily classified as Seismic Site Class "D" in accordance with Table 1613.5.2 of the Building Code of New York State - December 2010 (NYS Building Code). It is possible that the seismic site class could be upgraded, which will be dependent upon the actual depth to bedrock. Accordingly, additional explorations, in the proposed building area(s), would be necessary to determine the actual depth and quality of the bedrock.

The spectral response accelerations in the project area were obtained by Empire using the United States Geological Survey (USGS) web site application (http://earthquake.usgs.gov/designmaps/us/application.php). The accelerations are based on the 2009 NEHRP Recommended Seismic Provisions, which makes use of the 2008 USGS seismic hazard data. The acceleration values obtained from this application were then adjusted, as recommended by the USGS, to obtain the 2% probability in 50 years mapping accelerations, as presented in the NYS Building Code.

Using the site location, the calculated spectral response accelerations for Site Class "B" soils are 0.217g for the short period (0.2 second) response (S_S) and 0.052g for the one second response (S_1). For design purposes, these spectral response accelerations were then adjusted for Seismic Site Class "D", preliminarily recommended for the project site.

Accordingly, the adjusted spectral response accelerations for Seismic Site Class "D" are as follows:

- Short Period Response (S_{MS}) - 0.347g
- 1 Second Period Response (S_{M1}) – 0.125

The corresponding five percent damped design spectral response accelerations (S_{DS} and S_{D1}) are as follows:

- S_{DS} - 0.231g
- S_{D1} - 0.083g

5.00 CONCLUDING REMARKS

This report was prepared to assist in the site assessment and development of the proposed Veterans Affairs National Cemetery project planned off of Indian Falls Road (Schmigel Parcel) in the Town of Pembroke, New York. The report has been prepared for the exclusive use of Public Properties and members of the design team, for specific application to this site and this project only.

The recommendations were prepared based on Empire Geo-Services, Inc.'s understanding of the proposed project, as described herein, and through the application of generally accepted soil and foundation engineering practices. No

warranties, expressed or implied are made by the conclusions, opinions, recommendations or services provided.

Additional information regarding the use and interpretation of this report is presented in Appendix D.

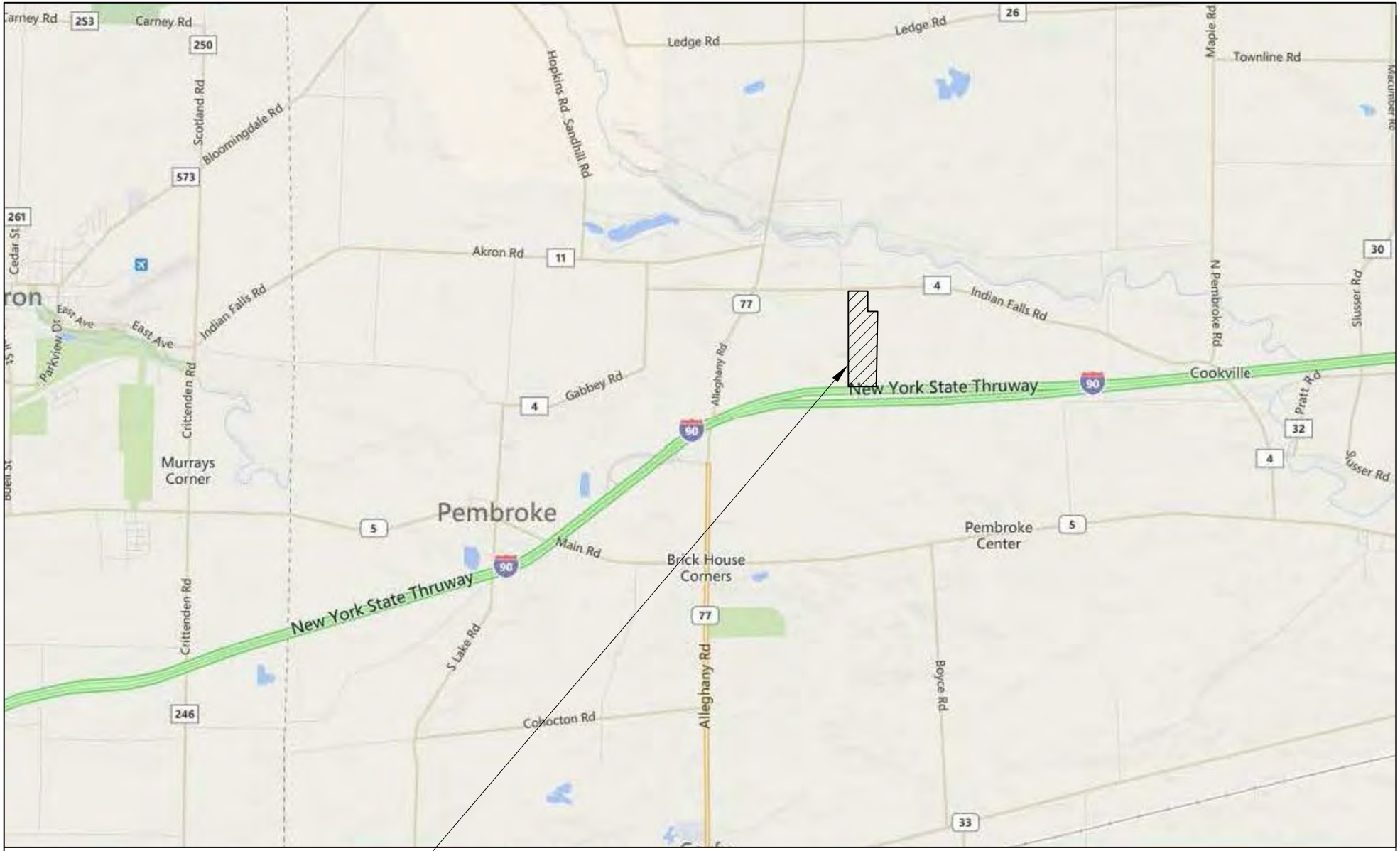
Sincerely,

EMPIRE GEO-SERVICES, INC.

Wanda M. Allen, P.E.
Geotechnical Engineer

John J. Danzer, P.E.
Senior Geotechnical Engineer and
Project Reviewer

FIGURES



APPROXIMATE PROJECT SITE LOCATION

N

NOTE:

SITE LOCATION PLAN DEVELOPED FROM BING MAPS © 2014 MICROSOFT CORPORTAION AND ©2104 NOKIA

EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

PROPOSED VETERANS AFFAIRS NATIONAL CEMETERY SITE
SCHMIGEL PARCEL
INDIAN FALLS ROAD
PEMBROKE, NEW YORK

SITE LOCATION PLAN

DR BY: WMA	SCALE: NTS	PROJECT NO.: BE-15-061
CHKD BY: JJD	DATE: 11/10/2015	FIGURE NO: 1

LEGEND:

B-1 INDICATES APPROXIMATE LOCATION AND DESIGNATION OF TEST BORING.

B-3 INDICATES APPROXIMATE LOCATION AND DESIGNATION OF TEST BORING COMPLETED WITH GROUNDWATER OBSERVATION WELL.

TP-1 INDICATES APPROXIMATE LOCATION AND DESIGNATION OF TEST PIT.

B.M. BENCHMARK: TOP OF EXISTING SURVEY PIN IN ROAD, NEAR EXISTING CEMETERY. ASSIGNED ARBITRARY ELEVATION DATUM = 100.00 FEET.

N

NOTE:

FIGURE DEVELOPED FROM GOOGLE EARTH © 2015

EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

PROPOSED FOUNDATION REPAIRS
433 WASHINGTON AVENUE
KENMORE, NEW YORK

SUBSURFACE EXPLORATION PLAN	DR BY: WMA	SCALE: NTS	PROJECT NO.: BE-15-214
	CHKD BY: JJD	DATE: 10/28/15	FIGURE NO: 2

APPENDIX A

TEST BORING LOGS

GENERAL INFORMATION & KEY TO SUBSURFACE LOGS

The Subsurface Logs attached to this report present the observations and mechanical data collected by the driller at the site, supplemented by classification of the material removed from the borings as determined through visual identification by technicians in the laboratory. It is cautioned that the materials removed from the borings represent only a fraction of the total volume of the deposits at the site and may not necessarily be representative of the subsurface condition between adjacent borings or between the sampled intervals. The data presented of the Subsurface Logs together with the recovered samples provide a basis for evaluating the character of the subsurface conditions relative to the project. The evaluation must consider all the recorded details and their procedures to more accurately evaluate the subsurface conditions. Any evaluation of the contents of this report and recovered samples must be performed by qualified professionals. The following information defines some of the procedures and terms used of the Subsurface Logs to describe the conditions encountered, consistent with the numbered identifiers shown on the Key opposite this page.

1. **The figures in the Depth column define the scale of the Subsurface Log.**
2. **The Samples column shows, graphically, the depth range from which a sample was recovered. See Table I for descriptions of the symbols used to represent the various types of samples.**
3. **The Sample No. is used for identification on sample containers and/or Laboratory Test Reports.**
4. **Blows on Sampler – shows the results of the "Penetration Test", recording the number of blows required to drive a split spoon sampler into the soil. The number of blows required for each six inches is recorded. The first 6 inches of penetration is considered a seating drive. The number of blows required for the second and third 6 inches of penetration is termed the penetration resistance, N.**
5. **Blows on Casing – Shows the number of blows required to advance the casing a distance of 12 inches. The casing size, hammer weight, and length of drop are noted at the bottom of the Subsurface Log. If the casing is advanced by means other than driving, the method of advancement will be indicated in the Notes column or under the Method of Investigation at the bottom of the Subsurface Log. Alternatively, sample recovery may be shown in this column or other data consistent with the column heading.**
6. **All recovered soil samples are reviewed in the laboratory by an engineering technician, geologist, or geotechnical engineer, unless noted otherwise. Visual descriptions are made on the basis of a combination of the driller's field descriptions and noted observations together with the sample as received in the laboratory. The method of visual classification is based primarily on the Unified Soil Classification System (ASTM D 2487) with regard to the particle size and plasticity (See Table No. II), and the Unified Soil Classification System group symbols for the soil types are sometimes included with the soil classification. Additionally, the relative portion, by weight, of two or more soil types is described for granular soils in accordance with "Suggested Methods of Test for Identification of Soils" by D.M. Burmister, ASTM Special Technical Publication 479, June 1970. (See Table No. III). Description of the relative soil density or consistency is based upon the penetration records as defined in Table No. IV. The description of the soil moisture is based upon the relative wetness of the soil as recovered and is described as dry, moist, wet, and saturated. Water introduced into the boring either naturally or during drilling may have affected the moisture condition of the recovered sample. Special terms are used as required to describe soil deposition in greater detail; several such terms are listed in Table V. When sampling gravelly soils with a standard two inch diameter split spoon, the true percentage of gravel is often not recovered due to the relatively small sampler diameter. The presence of boulders and large gravel is sometimes, but not necessarily, detected by an evaluation of the casing and sampler blows or through the "action" of the drill rig as reported by the driller.**
7. **Rock description is based on review of the recovered rock core and the driller's notes. Frequently used rock classification terms are included in Table VI.**
8. **The stratification lines represent the approximate boundary between soil types and the transition may be gradual. Solid stratification lines delineate apparent changes in soil type, based upon review of recovered soil samples and the driller's notes. Dashed lines convey a lesser degree of certainty with respect to either a change in soil type or where such change may occur.**
9. **Miscellaneous observations and procedures noted by the driller are shown in this column, including water level observations. It is important to realize the reliability of the water level observations depends upon the soil type (water does not readily stabilize in a hole through fine grained soils), and that any drill water used to advance the boring may have influenced the observations. The ground water level will fluctuate seasonally, typically. One or more perched or trapped water levels may exist in the ground seasonally. All the available readings should be evaluated. If definite conclusions cannot be made, it is often prudent to examine the conditions more thoroughly through test pit excavations or groundwater observation wells.**
10. **The length of core run is defined as the length of penetration of the core barrel. Core recovery is the length of core recovered divided by the core run. The RQD (Rock Quality Designation) is the total length of pieces of NX core exceeding 4 inches divided by the core run. The size core barrel used is also noted in the Method of Investigation at the bottom of the Subsurface Log.**

DATE

STARTED _____

FINISHED _____

SHEET _____ OF _____

SJB SERVICES, INC.
SUBSURFACE LOG

PROJ. No. _____

HOLE No. _____

SURF. ELEV. _____

G.W. DEPTH _____

PROJECT _____ LOCATION _____

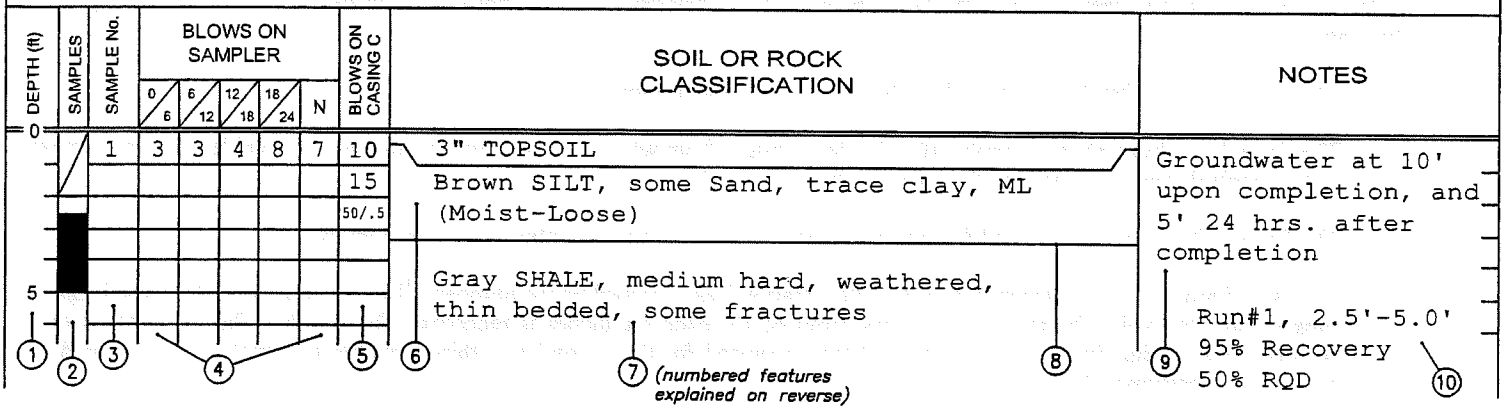


TABLE I

- Split Spoon Sample
- Shelby Tube Sample
- Geoprobe Macro-Core
- Auger or Test Pit Sample
- Rock Core

TABLE II

Identification of soil type is made on basis of an estimate of particle sizes, and in the case of fine grained soils also on basis of plasticity.

Soil Type	Soil Particle Size	
Boulder	>12"	Coarse Grained (Granular)
Cobble	3" - 12"	
Gravel - Coarse	3" - 3/4"	
- Fine	3/4" - #4	
Sand - Coarse	#4 - #10	
- Medium	#10 - #40	
- Fine	#40 - #200	
Silt - Non Plastic (Granular) Clay - Plastic (Cohesive)	<#200	Fine Grained

TABLE III

The following terms are used in classifying soils consisting of mixtures of two or more soil types. The estimate is based on weight of total sample.

Term	Percent of Total Sample
"and"	35 - 50
"some"	20 - 35
"little"	10 - 20
"trace"	less than 10

(When sampling gravelly soils with a standard split spoon, the true percentage of gravel is often not recovered due to the relatively small sampler diameter.)

TABLE IV

The relative compactness or consistency is described in accordance with the following terms:

Granular Soils		Cohesive Soils	
Term	Blows per Foot, N	Term	Blows per Foot, N
Loose	0 - 4	Very Soft	0 - 2
Loose	4 - 10	Soft	2 - 4
Firm	10 - 30	Medium	4 - 8
Compact	30 - 50	Stiff	8 - 15
Very Compact	>50	Very Stiff	15 - 30
		Hard	>30

(Large particles in the soils will often significantly influence the blows per foot recorded during the penetration test)

TABLE V

Varved	Horizontal uniform layers or seams of soil(s).
Layer	Soil deposit more than 6" thick.
Seam	Soil deposit less than 6" thick.
Parting	Soil deposit less than 1/8" thick.
Laminated	Irregular, horizontal and angled seams and partings of soil(s).

TABLE VI

Rock Classification Term		Meaning
Hardness	- Soft	Scratched by fingernail
	- Medium Hard	Scratched easily by penknife
	- Hard	Scratched with difficulty by penknife
	- Very Hard	Cannot be scratched by penknife
Weathering	- Very Weathered	Judged from the relative amounts of disintegration, iron staining, core recovery, clay seams, etc.
	- Weathered	
	- Sound	

Rock Classification Term		Meaning	
Bedding	- Laminated	(<1")	Natural breaks in Rock Layers
	- Thin Bedded	(1" - 4")	
	- Bedded	(4" - 12")	
	- Thick Bedded	(12" - 36")	
	- Massive	(>36")	

(Fracturing refers to natural breaks in the rock oriented at some angle to the rock layers)

DATE
START 10/8/2015
FINISH 10/8/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-1
SURF. ELEV 96.7'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY
PROJ. NO.: BE-15-061
LOCATION: SCHMIGEL PROPERTY
PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	4	3			TOPSOIL Dark Brown Clayey SILT, little f-c Gravel, little f-c Sand, little Organics (moist, FILL)	Geologist notes approx. 11" Topsoil
		4	4		7		Poor Recovery Sample #1
	2	6	7			Brown Clayey SILT, little f-c Gravel, little f-c Sand (moist, stiff, ML)	
		7	12		14		
5	3	12	20			Contains some f-c Gravel (hard)	
		27	50		47		
	4	30	31			Gray-Brown f-c GRAVEL, some Clayey Silt, little f-c Sand, tr.organics (moist, v.compact, GM-GC)	
		34	29		65		
	5	14	24			Brown Clayey SILT, little f-c Gravel, tr.sand (moist, hard, ML)	
10		18	17		42		
	6	15	24			Brown-Gray Silty CLAY, little f-c Gravel, tr.sand (moist, hard, CL)	
		22	26		46		
						Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: D. DELUDE

DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/7/2015
FINISH 10/7/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-2
SURF. ELEV 100.8'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY LOCATION: SCHMIGEL PROPERTY
PROJ. NO.: BE-15-061 PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	3			TOPSOIL Red-Brown Silty CLAY, little f-c Gravel, little f-c Sand (moist, FILL)	Geologist notes approx. 10" Topsoil
		4	5		7		Poor Recovery Sample #1
	2	7	8			Brown-Gray Clayey SILT, little f-c Gravel, little f-c Sand (moist, v. stiff, ML)	
		11	14		19		
5	3	19	36			Brown-Gray f-c GRAVEL, some Clayey Silt, little f-c Sand (moist, v.compact, GM-GC)	
		32	25		68		
	4	22	35				
		50/0.2			REF		REF = Sample Spoon Refusal
	5	11	21				
10		44	50/0.3		65		Poor Recovery Sample #6
	6	50/0.3			REF	Gray LIMESTONE Rock fragments (moist)	
						Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW CLASSIFIED BY: Geologist

DRILLER: D. DELUDE DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/8/2015
FINISH 10/8/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-3
SURF. ELEV 98.5'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY LOCATION: SCHMIGEL PROPERTY
PROJ. NO.: BE-15-061 PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	WOH	2			TOPSOIL Brown f-c SAND, some Clayey Silt, tr.gravel, tr.organics (moist, FILL)	Geologist notes approx. 11" Topsoil
		3	4		5		WOH = Weight of Hammer and Rods
	2	8	12			Red-Brown Silty CLAY, little fine Gravel, little f-c Sand (moist, v.stiff, CL)	
		12	12		24		
5	3	13	26			Becomes Brown, Contains "and" f-c Gravel (moist, hard)	
		50/0.3			REF		REF = Sample Spoon Refusal
	4	8	13			Becomes Gray-Brown	
		39	50/0.3		52		
	5	19	32				
10		49	44		81		
	6	20	33			Brown Silty CLAY, little f-c Sand (moist, hard, CL)	
		40	35		73		
						Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15							2" PVC groundwater observation well installed at boring completion.
							Refer to installation log for details.
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW CLASSIFIED BY: Geologist

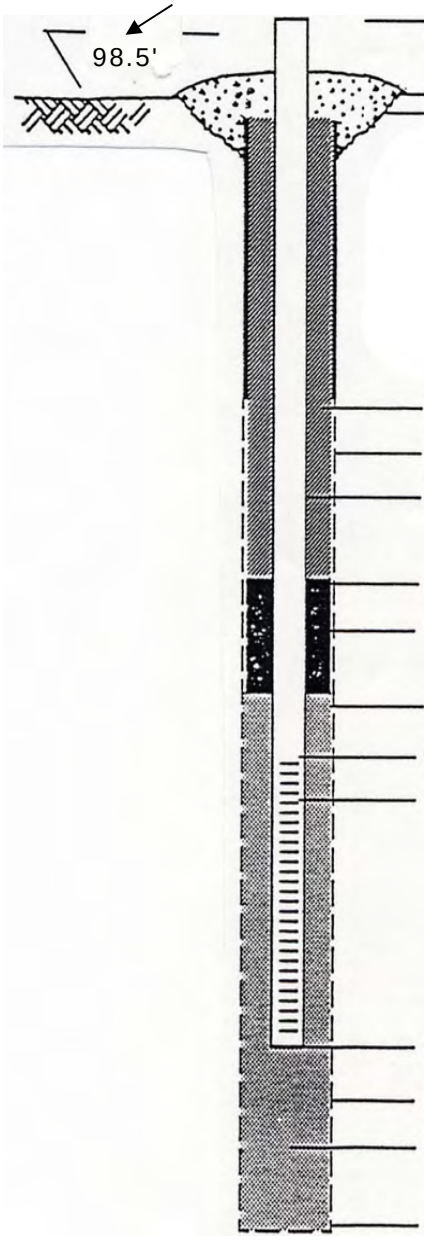
DRILLER: D. DELUDE DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

MONITORING WELL COMPLETION RECORD

PROJECT: VA NATIONAL CEMETERY	
PROJECT NUMBER: BE-15-061	DRILLING METHOD: ASTM D-1586
WELL NUMBER: B-3	GEOLOGIST: ------
DRILLER: D. DELUDE	INSTALLATION DATE(S): 10/8/2015

GROUND ELEVATION



ELEVATION/TOP OF RISER PIPE:	101.6'
STICK- UP/ TOP OF RISER PIPE:	3.1'
TYPE OF SURFACE SEAL:	NONE
TYPE OF BACKFILL:	NONE
BOREHOLE DIAMETER:	+/- 8"
I.D. OF RISER PIPE:	2.0"
TYPE OF RISER PIPE:	PVC
DEPTH OF SEAL:	2.7'
TYPE OF SEAL:	BENTONITE CHIPS
DEPTH OF SAND PACK:	4.7'
DEPTH OF TOP OF SCREEN:	6.7'
TYPE OF SCREEN:	PVC
SLOT SIZE X LENGTH:	.010 X 5.0'
I.D. OF SCREEN:	2.0"
TYPE OF SAND PACK:	MORIE "O" FILTER SAND
DEPTH BOTTOM OF SCREEN:	11.7'
DEPTH BOTTOM OF SAND PACK:	11.7'
TYPE OF BACKFILL BELOW OBSERVATION WELL:	MORIE "O" FILTER SAND
ELEVATION/ DEPTH OF HOLE:	86.8' / 11.7'

DATE
START 10/7/2015
FINISH 10/7/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-4
SURF. ELEV 102.3'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY LOCATION: SCHMIGEL PROPERTY
PROJ. NO.: BE-15-061 PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	WOH	1			Brown-Red Silty CLAY, some f-c Sand, tr.gravel (moist, FILL)	WOH = Weight of Hammer and Rods
		3	3		4		
	2	6	8			Brown Silty CLAY, little f-c Gravel, little f-c Sand (moist, v.stiff, CL)	
		9	9		17		
5	3	8	10				
		12	20		22		
	4	14	30				
		36	44		66	(hard)	
	5	8	12				
		16	26		28	(v.stiff)	
10	6	16	20			Contains little f-c Sand	
		25	30		45	(hard)	
						Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW CLASSIFIED BY: Geologist

DRILLER: D. DELUDE DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/7/2015
FINISH 10/7/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-5
SURF. ELEV 100.1'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY LOCATION: SCHMIGEL PROPERTY
PROJ. NO.: BE-15-061 PEMBROKE, NEW YORK

DEPTH FT.		SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N		SOIL OR ROCK CLASSIFICATION	NOTES
		1	3	3				Brown Clayey SILT and f-c Sand, tr.organics (moist, FILL)	
			4	7		7			
		2	4	4				Brown f-m SAND, tr.clayey silt (moist, loose, SP)	
			5	6		9			
5		3	3	4				Gray-Brown Clayey SILT, little fine Gravel, little f-c Sand (moist, stiff, ML)	
			5	12		9			
		4	14	18				Gray-Brown Silty CLAY, little fine Gravel, little f-c Sand (moist, hard, CL)	
			20	24		38			
		5	16	6				Brown-Gray fine SAND, little Silty Clay (moist, firm, SC)	
10			11	22		17			
		6	17	17				Brown-Gray Silty CLAY, little f-c Sand (moist, hard, CL)	
			20	26		37			
								Boring Complete at 12.0'	Free Standing Water recorded at 11.2' at Boring Completion
15									
20									

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW CLASSIFIED BY: Geologist

DRILLER: D. DELUDE DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/9/2015
FINISH 10/9/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-6
SURF. ELEV 96.5'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY
PROJ. NO.: BE-15-061
LOCATION: SCHMIGEL PROPERTY
PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	3			TOPSOIL Brown Silty CLAY, little fine Gravel, little f-c Sand, tr.organics (moist, med, CL)	Geologist notes approx. 9" Topsoil
		5	12		8		
	2	12	13			Red-Brown Silty CLAY, little f-c Sand, tr.gravel (moist, v.stiff, CL)	
		13	15		26		
5	3	8	17			Contains tr.sand (hard)	
		17	23		34		
	4	22	30			Becomes Gray	
		23	20		53		
	5	7	5			(stiff)	
10		8	11		13		
	6	7	8			Becomes Brown-Gray (v.stiff)	
		10	19		18		
						Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: D. DELUDE

DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/9/2015
FINISH 10/9/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-7
SURF. ELEV 99.4'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY LOCATION: SCHMIGEL PROPERTY
PROJ. NO.: BE-15-061 PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	WOH	1			Gray-Brown Silty CLAY, tr.sand, tr.organics (moist, med, CL)	WOH = Weight of Hammer and Rods
		3	5		4		
	2	13	16			Brown Clayey SILT, some f-c Gravel, little f-c Sand (moist, v.stiff, ML)	Poor Recovery Sample #2
		14	22		30		
5	3	19	22			(hard)	No Recovery Sample #3
		20	28		42		
	4	17	23			Brown-Gray f-c GRAVEL, little Silty CLAY, little f-c Sand (moist, v.compact, GM-GC)	
		48	50		71		
	5	9	22			Brown Silty CLAY, little fine Gravel, little f-c Sand (moist, hard, CL)	
10		16	13		38		
	6	10	11			(v.stiff)	
		12	20		23		
						Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW CLASSIFIED BY: Geologist

DRILLER: D. DELUDE DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/8/2015
FINISH 10/8/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-8
SURF. ELEV 99.9'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY LOCATION: SCHMIGEL PROPERTY
PROJ. NO.: BE-15-061 PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	4			Brown-Gray Silty CLAY, tr.sand, tr.organics (moist, FILL)	
		6	7		10		
	2	5	10			Brown SAND, little Clayey Silt, little fine Gravel (moist-wet, firm, SM-SC)	
		11	9		21		
5	3	4	7			Gray-Brown Silty CLAY, some f-c Gravel, tr.sand (moist, v.stiff, CL)	
		15	17		22		
	4	12	19			Contains little fine Gravel, little f-c Sand (hard)	
		17	19		36		
	5	12	11				
10		14	17		25	(v.stiff)	
	6	10	11				
		13	21		24		
						Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW CLASSIFIED BY: Geologist

DRILLER: D. DELUDE DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/9/2015
FINISH 10/9/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-9
SURF. ELEV 98.8'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY LOCATION: SCHMIGEL PROPERTY
PROJ. NO.: BE-15-061 PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	WOH	1			Gray-Brown Silty CLAY, little fine Gravel, little f-c Sand, tr.organics (moist, med, CL)	WOH = Weight of Hammer and Rods
		3	6		4		
	2	5	6			Brown Silty CLAY, little f-c Sand (moist, stiff, CL)	
		7	9		13		
5	3	12	18			Contains little f-c Gravel (hard)	
		17	33		35		
	4	27	32				No Recovery Sample #4 (Driller notes coarse gravel or cobble obstruction)
		35	43		67		
	5	16	17			Becomes Brown-Gray, Contains "and" Gravel, tr. organics (v.stiff)	
10		13	28		30		
	6	20	22			Becomes Brown, Contains little fine Gravel (hard)	
		26	35		48		
						Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW CLASSIFIED BY: Geologist

DRILLER: D. DELUDE DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/9/2015
FINISH 10/9/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-10
SURF. ELEV 99.4'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY LOCATION: SCHMIGEL PROPERTY
PROJ. NO.: BE-15-061 PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	WOH	1			Brown Clayey SILT, little f-c Sand, tr.organics (moist, med, ML)	WOH = Weight of Hammer and Rods
		5	10		6		
	2	14	16			Brown Silty CLAY, little f-c Gravel, little f-c Sand (moist, hard, CL)	
		23	20		39		
5	3	12	15			Brown fine SAND, some Clayey SILT (moist, compact, SM-SC)	
		16	19		31		
	4	17	21				
		23	23		44		
	5	8	11				
		15	12		26	(firm)	
10	6	13	18				No Recovery Sample #6 (Driller notes coarse gravel or cobble obstruction)
		18	22		36	(compact)	
						Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW CLASSIFIED BY: Geologist

DRILLER: D. DELUDE DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/8/2015
FINISH 10/8/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-11
SURF. ELEV 102.5'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY
PROJ. NO.: BE-15-061
LOCATION: SCHMIGEL PROPERTY
PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	2			TOPSOIL	Geologist notes approx. 12" Topsoil
		3	2		5	Brown f-c SAND, some Clayey Silt, tr.gravel (moist, FILL)	
	2	2	2			Contains tr.clayey silt	
		2	2		4		
5	3	4	5			Brown fine GRAVEL, little f-c Sand, little Clayey Silt (moist-wet, loose, GM-GC)	
		3	4		8		
	4	3	8			Brown Silty CLAY, little fine Gravel, little f-c Sand (moist, v.stiff, CL)	
		12	23		20		
	5	4	11				
10		13	15		24		
	6	11	18				
		26	24		44	(hard)	
						Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: D. DELUDE

DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/14/2015
FINISH 10/14/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-12
SURF. ELEV 99.8'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY
PROJ. NO.: BE-15-061
LOCATION: SCHMIGEL PROPERTY
PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	1			TOPSOIL Red-Brown Clayey SILT, some fine Sand (moist, med, ML)	Driller notes approx. 6" Topsoil
		5	8		6		
	2	19	16			Brown Silty CLAY, little f-c Sand (moist, hard, CL)	
		15	14		31		
5	3	7	7			Brown Clayey SILT, little fine Sand, tr.organics (moist, stiff, ML)	Poor Recovery Sample #3 (Driller notes coarse gravel or cobble obstruction)
		7	7		14		
	4	8	17				No Recovery Sample #4
		15	22		32		
	5	4	5			Gray f-m GRAVEL, some f-c Sand, tr.silty clay (wet, firm, GP)	
10		7	9		12		
	6	8	11				
		14	10		25		
						Boring Complete at 12.0'	Free Standing Water recorded at 7.9' at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: D. DELUDE

DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/8/2015
FINISH 10/8/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-13
SURF. ELEV 103.1'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY LOCATION: SCHMIGEL PROPERTY
PROJ. NO.: BE-15-061 PEMBROKE, NEW YORK

DEPTH FT.		SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N		SOIL OR ROCK CLASSIFICATION	NOTES
		1	2	4				Red-Brown fine SAND, little Clayey Silt (moist, loose, SM-SC)	
			3	7		7			
		2	7	5				Brown Clayey SILT, some f-c Sand, little fine Gravel (moist, med, ML)	
			3	3		8			
5		3	3	4				Brown-Gray Clayey SILT, little f-c Sand (moist, stiff, ML)	
			8	12		12			
		4	10	50/0.3		REF		(moist-wet, hard)	REF = Sample Spoon Refusal
		5	33	9				Gray-Brown Silty CLAY, little fine Gravel, little f-c Sand (moist, v.stiff, CL)	
10			7	5		16			
		6	6	12				Contains little f-m Gravel	
			12	12		24			
								Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15									
20									

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW CLASSIFIED BY: Geologist

DRILLER: D. DELUDE DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/14/2015
FINISH 10/14/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-14
SURF. ELEV 103.1'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY
PROJ. NO.: BE-15-061
LOCATION: SCHMIGEL PROPERTY
PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	3			TOPSOIL Brown fine SAND, some Clayey Silt, tr.organics (moist, FILL)	Geologist notes approx. 14" Topsoil
		3	7		6		
	2	8	9			Brown fine SAND, some Clayey Silt (moist, firm, SM-SC)	
		11	13		20		
5	3	3	6				
		6	8		12	(moist-wet)	
	4	4	9				
		9	13		18		
	5	8	7				
10		7	9		14		
	6	12	14			Gray-Brown Silty CLAY, some f-c Sand (moist, v.stiff, CL)	
		10	8		24		
						Boring Complete at 12.0'	Free Standing Water recorded at 5.3' at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: D. DELUDE

DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/14/2015
FINISH 10/14/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-15
SURF. ELEV 100.6'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY LOCATION: SCHMIGEL PROPERTY
PROJ. NO.: BE-15-061 PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	2			TOPSOIL Brown Clayey SILT, little fine Sand, tr.organics	Driller notes approx. 6" Topsoil
		4	5		6	(moist, med, ML)	
	2	10	13			Contains little f-c Sand (v.stiff)	
		15	16		28		
5	3	9	19			Gray-Brown f-c GRAVEL, some f-c Sand, tr.clayey silt (moist-wet, compact, GW-GP)	
		21	20		40		
	4	11	15			Brown-Gray fine SAND, little Clayey Silt (moist-wet, compact, SM-SC)	
		22	21		37		
	5	7	8			(moist, firm)	
10		11	13		19		
	6	10	11			Brown-Gray Silty CLAY, little f-c Sand, tr.gravel (moist, v.stiff, CL)	
		15	19		26		
						Boring Complete at 12.0'	Free Standing Water recorded at 7.1' at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW CLASSIFIED BY: Geologist

DRILLER: D. DELUDE DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/14/2015
FINISH 10/14/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-16
SURF. ELEV 98.8'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY
PROJ. NO.: BE-15-061
LOCATION: SCHMIGEL PROPERTY
PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	2			TOPSOIL Brown Clayey SILT, some fine Sand, tr.organics (moist, med, ML)	Geologist notes approx. 9" Topsoil
		5	6		7		
	2	11	10			(v.stiff)	
		10	13		20		
5	3	8	20			Becomes Gray-Brown (moist-wet, hard)	
		19	15		39		
	4	13	14			Contains some f-c Sand (v.stiff)	
		16	21		30		
	5	5	11			Gray Silty CLAY, little f-c Sand, little fine Gravel (moist, v.stiff, CL)	
10		15	11		26		
	6	10	11				
		10	14		21		
						Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15							2" PVC groundwater observation well installed at boring completion.
							Refer to installation log for details.
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: D. DELUDE

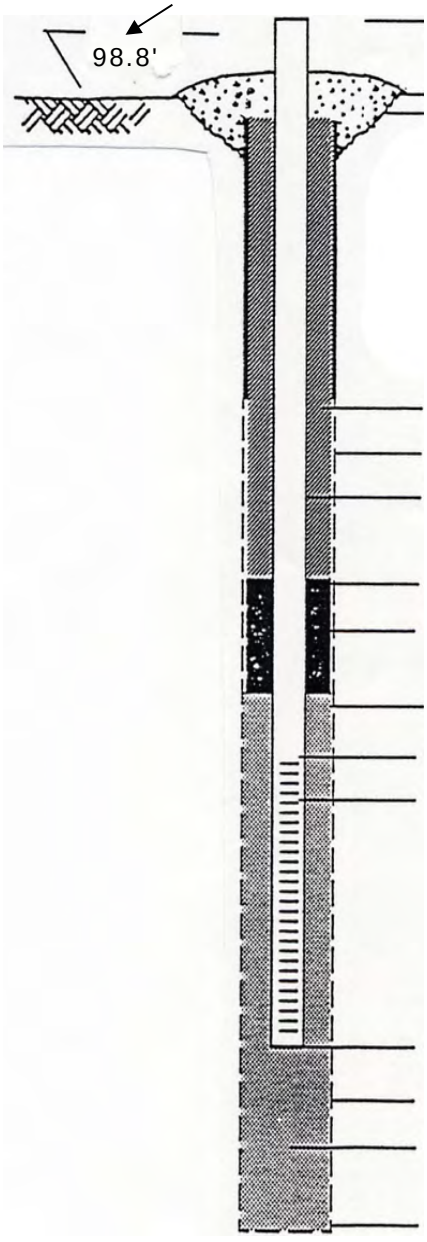
DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

MONITORING WELL COMPLETION RECORD

PROJECT: VA NATIONAL CEMETERY	
PROJECT NUMBER: BE-15-061	DRILLING METHOD: ASTM D-1586
WELL NUMBER: B-16	GEOLOGIST: ------
DRILLER: D. DELUDE	INSTALLATION DATE(S): 10/14/2015

GROUND ELEVATION



ELEVATION/TOP OF RISER PIPE:	101.5'
STICK- UP/ TOP OF RISER PIPE:	2.7'
TYPE OF SURFACE SEAL:	NONE
TYPE OF BACKFILL:	NONE
BOREHOLE DIAMETER:	+/- 8"
I.D. OF RISER PIPE:	2.0"
TYPE OF RISER PIPE:	PVC
DEPTH OF SEAL:	3.0'
TYPE OF SEAL:	BENTONITE CHIPS
DEPTH OF SAND PACK:	5.0'
DEPTH OF TOP OF SCREEN:	7.0'
TYPE OF SCREEN:	PVC
SLOT SIZE X LENGTH:	.010 X 5.0'
I.D. OF SCREEN:	2.0"
TYPE OF SAND PACK:	MORIE "O" FILTER SAND
DEPTH BOTTOM OF SCREEN:	12.0'
DEPTH BOTTOM OF SAND PACK:	12.0'
TYPE OF BACKFILL BELOW OBSERVATION WELL:	MORIE "O" FILTER SAND
ELEVATION/ DEPTH OF HOLE:	86.8' / 12.0'

DATE
START 10/14/2015
FINISH 10/14/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-17
SURF. ELEV 95.8'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY
PROJ. NO.: BE-15-061
LOCATION: SCHMIGEL PROPERTY
PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	3			TOPSOIL Brown fine SAND, little Clayey Silt, tr.organics	Geologist notes approx. 13" Topsoil
		4	4		7	(moist, loose, SM-SC)	
	2	5	8			(firm)	
		11	13		19		
5	3	4	5			Contains some Clayey Silt (moist-wet)	
		6	5		11		
	4	7	9				
		9	15		18		
	5	4	7				
10		11	11		18		
	6	10	10			Gray-Brown Silty CLAY, some f-c Sand (moist, v.stiff, CL)	
		12	15		22		
						Boring Complete at 12.0'	Free Standing Water recorded at 6.3' at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: D. DELUDE

DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/14/2015
FINISH 10/14/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-18
SURF. ELEV 98.7'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY
PROJ. NO.: BE-15-061
LOCATION: SCHMIGEL PROPERTY
PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	3			TOPSOIL Brown Clayey SILT, little fine Sand, tr.organics (moist, med, ML)	Driller notes approx. 6" Topsoil
		5	7		8		
	2	9	11			Brown Silty CLAY, little f-c Sand, tr.gravel (moist, v.stiff, CL)	
		17	19		28		
5	3	8	17			Brown fine SAND, little Clayey Silt (moist, compact, SM-SC	
		19	23		36		
	4	12	15			Contains tr.organics	
		23	19		38		
	5	9	7			Gray fine SAND, little fine Gravel, little Silty Clay, tr.organics (moist-wet, firm, SM-SC)	
10		11	10		18		
	6	10	12			Gray GRAVEL, some f-c Sand, little Clayey Silt (wet, firm, GM-GC)	
		15	21		27		
						Boring Complete at 12.0'	Free Standing Water recorded at 8.1' at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: D. DELUDE

DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/14/2015
FINISH 10/14/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-19
SURF. ELEV 97.5'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY LOCATION: SCHMIGEL PROPERTY
PROJ. NO.: BE-15-061 PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	2			TOPSOIL Brown-Gray Clayey SILT, some fine Sand, tr.organics (moist, med, ML)	Driller notes approx. 6" Topsoil
		3	7		5		
	2	8	9			(v.sitff)	
		11	10		20		
5	3	7	19			(hard)	
		21	17		40		
	4	12	15			Contains little f-m Gravel, some f-c Sand Becomes Gray (moist-wet)	
		17	22		32		
	5	6	8			(v.stiff)	
10		15	19		23		
	6	10	12				
		13	11		25		
						Boring Complete at 12.0'	No Free Standing Water encountered at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW CLASSIFIED BY: Geologist

DRILLER: D. DELUDE DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 10/14/2015
FINISH 10/14/2015
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-20
SURF. ELEV 93.7'
G.W. DEPTH See Notes

PROJECT: PROPOSED VA NATIONAL CEMETARY
LOCATION: SCHMIGEL PROPERTY
PROJ. NO.: BE-15-061
PEMBROKE, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	2			TOPSOIL Brown fine SAND and Clayey Silt, tr.organics	Driller notes approx. 13" Topsoil
		3	5		5	(moist, med, SM-SC)	
	2	8	13			Becomes Gray-Brown, Contains some Clayey Silt	
		12	15		25	(moist, v.stiff)	
5	3	7	11			(moist-wet)	
		13	12		24		
	4	9	11				
		10	12		21		
	5	6	8				
10		13	19		21	(moist)	
	6	11	15			Gray Silty CLAY, little f-c Sand (moist, v.stiff, CL)	
		15	17		30		
						Boring Complete at 12.0'	Free Standing Water recorded at 6.7' at Boring Completion
15							
20							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: D. DELUDE

DRILL RIG TYPE : DIEDRICH D-50

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

APPENDIX B

TEST PIT LOGS

SJB SERVICES, INC.

Western New York Office
5167 South Park Avenue
Hamburg, NY 14075
Phone: (716) 649-8110
Fax: (716) 649-8051

TEST PIT FIELD LOG

PROJECT	PROPOSED VA CEMETARY	TEST PIT NO.	TP-1
CLIENT	PUBLIC PROPERTIES	LOCATION	SCHMIGEL PARCEL
CONTRACTOR	SJB SERVICES, INC.	PROJECT NO.	BE-15-061
FIELD REP	S. BOCHENEK	WEATHER/TEMP	OVERCAST, OCC RAIN, ~54° F
EXCAVATION EQUIP	BACKHOE	OPERATOR	R. STEINER
GROUND ELEV	95.0'	MAKE/MODEL	NEW HOLLAND 555E
TIME STARTED	0840		
TIME FINISHED	0910	DATE	10/9/2015

DEPTH	SOIL DESCRIPTION	REMARKS	EXCAV EFFORT
1'	Dark Brown Clayey SILT, little f-c Sand (moist, ML/Reworked Soils)		EASY
2'			
3'	Brown f-c SAND, some Clayey Silt, tr.gravel, tr.cobble (moist, SM-SC)		
4'			MODERATE
5'	Brown Silty CLAY, tr.sand (moist, CL)		
6'	Becomes Mottled Gray, Contains occasioanl Silt partings		DIFFICULT
7'	Test Pit Complete at 6.5' BGS (Refusal)	1	
8'	No Free Standing Water encountered		
9'			
10			
11'			
12'			
13'			
14'			

Remarks:

1. Apparent top of bedrock

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

PROJECT	PROPOSED VA CEMETARY	TEST PIT NO.	TP-2
CLIENT	PUBLIC PROPERTIES	LOCATION	SCHMIGEL PARCEL
CONTRACTOR	SJB SERVICES, INC.	PROJECT NO.	BE-15-061
FIELD REP	S. BOCHENEK	WEATHER/TEMP	OVERCAST, OCC RAIN, ~54° F
EXCAVATION EQUIP	BACKHOE	OPERATOR	R. STEINER
GROUND ELEV	100.1'	MAKE/MODEL	NEW HOLLAND 555E
TIME STARTED	1330		
TIME FINISHED	1415	DATE	10/9/2015

DEPTH	SOIL DESCRIPTION	REMARKS	EXCAV EFFORT
1'	Dark Brown Clayey SILT, little f-c Sand (moist, ML/Reworked Soils)		EASY
2'	Light Brown SILT, tr. sand, tr. clay (moist, ML)		
3'	Light Brown to Brown f-m SAND, tr. silt (moist, SP)		
4'			
5'			MODERATE
6'	Red-Brown Silty CLAY, little f-c Sand, tr. gravel (moist, CL)	1	
7'	Brown f-c SAND, some Silt, little f-c Gravel, little Cobbles, occasional boulders (moist, SM)		DIFFICULT
8'	Red-Brown Silty CLAY, tr. sand (moist, CL)		
9'	Test Pit Complete at 7.5' BGS (Due to presence of boulders / cobbles)		
10	No Free Standing Water encountered		
11'			
12'			
13'			
14'			

REMARKS:

1. Unable to remove boulder at 6.5'

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

PROJECT	PROPOSED VA CEMETARY	TEST PIT NO.	TP-3
CLIENT	PUBLIC PROPERTIES	LOCATION	SCHMIGEL PARCEL
CONTRACTOR	SJB SERVICES, INC.	PROJECT NO.	BE-15-061
FIELD REP	S. BOCHENEK	WEATHER/TEMP	OVERCAST, OCC RAIN, ~54° F
EXCAVATION EQUIP	BACKHOE	OPERATOR	R. STEINER
GROUND ELEV	98.8'	MAKE/MODEL	NEW HOLLAND 555E
TIME STARTED	0930		
TIME FINISHED	1000	DATE	10/9/2015

DEPTH	SOIL DESCRIPTION	REMARKS	EXCAV EFFORT
1'	Gray Clayey SILT, little f-c Sand, tr.organics (moist, ML/Reworked)		EASY
2'	Brown SILT, little f-c Sand, tr.gravel, tr.cobble (moist, ML)		
3'	Contains little f-c GRAVEL, little Cobble		MODERATE
4'			
5'	Brown Silty CLAY, tr.sand, tr.boulders (CL)		DIFFICULT
6'			
7'			
8'	Becomes Brown-Gray		MODERATE
9'	Becomes Gray		
10	Contains tr.gravel, tr.cobble		
11'			
12'	Gray SILT, tr.clay (moist, ML)		EASY
13'	Test Pit Complete at 12' BGS		
14'	Water seepage above bottom of excavation		

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

SJB SERVICES, INC.

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TEST PIT FIELD LOG

PROJECT	PROPOSED VA CEMETARY	TEST PIT NO.	TP-4
CLIENT	PUBLIC PROPERTIES	LOCATION	SCHMIGEL PARCEL
CONTRACTOR	SJB SERVICES, INC.	PROJECT NO.	BE-15-061
FIELD REP	S. BOCHENEK	WEATHER/TEMP	OVERCAST, OCC RAIN, ~54° F
EXCAVATION EQUIP	BACKHOE	OPERATOR	R. STEINER
GROUND ELEV	100.6'	MAKE/MODEL	NEW HOLLAND 555E
TIME STARTED	1015		
TIME FINISHED	1050	DATE	10/9/2015

DEPTH	SOIL DESCRIPTION	REMARKS	EXCAV EFFORT
1'	Gray Clayey SILT, little f-c Sand, tr.organics (moist, ML)		
2'	Light Brown fine SAND, little Silt (moist, SM)		
3'	Gray to Brown f-m SAND, tr. gravel, tr. silt (moist, SP)		EASY
4'			
5'	Red-Brown Silty CLAY, tr. clay (moist, CL)		
6'			
7'	Gray Silty CLAY and f-c Sand, little f-c Gravel (moist, CL)		MODERATE
8'	Contains some f-c Sand, tr. cobble	1, 2	
9'	Red-Brown Silty CLAY, tr. cobble, tr. gravel, tr. sand (moist, CL)		
10	Contains occasional Boulder		DIFFICULT
11'			
12'	**Test Pit Complete at 11' BGS** **(Due to presence of boulders / cobbles)**		
13'	**No Free Standing Water encountered**		
14'			

REMARKS:

1. Boulder present at 7.5' BGS unable to remove
2. Gravel 'Pocket' at ~6 - 8'

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

PROJECT	PROPOSED VA CEMETARY	TEST PIT NO.	TP-5
CLIENT	PUBLIC PROPERTIES	LOCATION	SCHMIGEL PARCEL
CONTRACTOR	SJB SERVICES, INC.	PROJECT NO.	BE-15-061
FIELD REP	S. BOCHENEK	WEATHER/TEMP	OVERCAST, OCC RAIN, ~54° F
EXCAVATION EQUIP	BACKHOE	OPERATOR	R. STEINER
GROUND ELEV	102.3'	MAKE/MODEL	NEW HOLLAND 555E
TIME STARTED	1440		
TIME FINISHED	1530	DATE	10/9/2015

DEPTH	SOIL DESCRIPTION	REMARKS	EXCAV EFFORT
1'	Dark Brown Clayey SILT, little fine Sand (moist, ML/Reworked soils)		EASY
2'	Light Brown fine SAND, some Silt, tr.clay (moist, SM)		
3'	Red-Brown Clayey SILT, little f-c Sand, little f-c Gravel, tr.cobble, tr.boulders (moist, ML)		DIFFICULT
4'			
5'	Contains tr.sand, tr.gravel		
6'			
7'			
8'			
9'			
10	Contains occasional Silt seams		
11'	Gray SILT, tr.sand (moist, ML)		EASY
12'			
13'	Test Pit Complete at 12' BGS		
14'	No Free Standing Water encountered		

Boulder at 2.5' BGS unable to remove from test pit

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

PROJECT	PROPOSED VA CEMETARY	TEST PIT NO.	TP-6
CLIENT	PUBLIC PROPERTIES	LOCATION	SCHMIGEL PARCEL
CONTRACTOR	SJB SERVICES, INC.	PROJECT NO.	BE-15-061
FIELD REP	S. BOCHENEK	WEATHER/TEMP	OVERCAST, OCC RAIN, ~54° F
EXCAVATION EQUIP	BACKHOE	OPERATOR	R. STEINER
GROUND ELEV	103.1'	MAKE/MODEL	NEW HOLLAND 555E
TIME STARTED	1105		
TIME FINISHED	1150	DATE	10/9/2015

DEPTH	SOIL DESCRIPTION	REMARKS	EXCAV EFFORT
1'	Dark Brown fine SAND, some Silt (moist, SM/Reworked Soils)		EASY
	Brown fine SAND, tr.sand (moist, SP)		
2'	Becomes Light Brown, little Silt (SM)		
3'			
4'			
5'	Light Brown Clayey SILT and fine Sand (moist, ML)		MODERATE
6'			
7'			
	Red-Brown Silty CLAY, tr.sand (moist, CL)		
8'	Gray fine SAND, some Silt, tr.clay (moist, SM)		
9'	Becomes f-c Sand, some f-c Gravel, little Silt, tr.cobble (moist-wet)		
10			
11'	Brown Silty CLAY, tr.gravel, tr.sand (moist, CL)		
12'			
13'	Test Pit Complete at 12' BGS		
	Water seepage at 11'		
14'			

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

SJB SERVICES, INC.

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TEST PIT FIELD LOG

PROJECT	PROPOSED VA CEMETARY	TEST PIT NO.	TP-7
CLIENT	PUBLIC PROPERTIES	LOCATION	SCHMIGEL PARCEL
CONTRACTOR	SJB SERVICES, INC.	PROJECT NO.	BE-15-061
FIELD REP	S. BOCHENEK	WEATHER/TEMP	OVERCAST, OCC RAIN, ~54° F
EXCAVATION EQUIP	BACKHOE	OPERATOR	R. STEINER
GROUND ELEV	103.0'	MAKE/MODEL	NEW HOLLAND 555E
TIME STARTED	1215		
TIME FINISHED	1300	DATE	10/9/2015

DEPTH	SOIL DESCRIPTION	REMARKS	EXCAV EFFORT
1'	Gray Clayey SILT, tr.sand, tr.organics (moist, ML)		
	Light Gray SILT, tr.clay (moist, ML)		
2'	Light Brown fine SAND and Silt (moist, SM)		
3'	Light Brown fine SAND, some Clayey Silt (moist, SM-SC)		
4'			EASY
5'			
6'	Gray fine SAND, some Silt (moist, SM)		
7'	Contains tr.cobbles		
8'			
9'			MODERATE
10	Gray Silty CLAY, some f-c Sand, little f-c Gravel, tr.cobbles (moist, CL)		
11'	Brown fine SAND, some Silty Clay (moist, SC)		DIFFICULT
12'			
13'	Test Pit Complete at 12' BGS		
	No Free Standing Water encountered		
14'			

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

APPENDIX C

TEST PIT PHOTOGRAPHS

EMPIRE GEO SERVICES, INC.
A SUBSIDIARY OF SJB SERVICES, INC.

CORPORATE OFFICE
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Phone: (716) 649-8110
Fax: (716) 649-8051

PROPOSED VETERANS AFFAIRS NATIONAL CEMETERY SITE
TOWN OF PEMBROKE, GENESEE COUNTY, NEW YORK

Photograph 1 –Test Pit TP-1 – Apparent Top of Bedrock at ~6.5' – Stable Sidewalls

EMPIRE GEO SERVICES, INC.
A SUBSIDIARY OF SJB SERVICES, INC.

CORPORATE OFFICE
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Photograph 2 –Test Pit TP-3 – Minor groundwater seepage – Stable Sidewalls

PROPOSED VETERANS AFFAIRS NATIONAL CEMETERY SITE
TOWN OF PEMBROKE, GENESEE COUNTY, NEW YORK

EMPIRE GEO SERVICES, INC.
A SUBSIDIARY OF SJB SERVICES, INC.

CORPORATE OFFICE
5167 South Park Avenue
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Photograph 3 –Test Pit TP-4 – Boulder obstruction encountered at ~6.5' – Stable Sidewalls

Photograph 4 –Test Pit TP-5 – Boulder obstruction encountered at ~2.5' – Stable Sidewalls

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PROPOSED VETERANS AFFAIRS NATIONAL CEMETERY SITE
TOWN OF PEMBROKE, GENESEE COUNTY, NEW YORK

Photograph 5 –Test Pit TP-6 – Minor groundwater seepage – Stable Sidewalls

EMPIRE GEO SERVICES, INC.
A SUBSIDIARY OF SJB SERVICES, INC.

CORPORATE OFFICE
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Phone: (716) 649-8110
Fax: (716) 649-8051

Photograph 6 –Test Pit TP-7 –Stable Sidewalls

APPENIDX D

REPORT LIMITATIONS

GEOTECHNICAL REPORT LIMITATIONS

Empire Geo-Services, Inc. (Empire) has endeavored to meet the generally accepted standard of care for the services completed, and in doing so is obliged to advise the geotechnical report user of our report limitations. Empire believes that providing information about the report preparation and limitations is essential to help the user reduce geotechnical-related delays, cost over-runs, and other problems that can develop during the design and construction process. Empire would be pleased to answer any questions regarding the following limitations and use of our report to assist the user in assessing risks and planning for site development and construction.

PROJECT SPECIFIC FACTORS: The conclusions and recommendations provided in our geotechnical report were prepared based on project specific factors described in the report, such as size, loading, and intended use of structures; general configuration of structures, roadways, and parking lots; existing and proposed site grading; and any other pertinent project information. Changes to the project details may alter the factors considered in development of the report conclusions and recommendations. *Accordingly, Empire cannot accept responsibility for problems which may develop if we are not consulted regarding any changes to the project specific factors that were assumed during the report preparation.*

SUBSURFACE CONDITIONS: The site exploration investigated subsurface conditions only at discrete test locations. Empire has used judgement to infer subsurface conditions between the discrete test locations, and on this basis the conclusions and recommendations in our geotechnical report were developed. It should be understood that the overall subsurface conditions inferred by Empire may vary from those revealed during construction, and these variations may impact on the assumptions made in developing the report conclusions and recommendations. *For this reason, Empire should be retained during construction to confirm that conditions are as expected, and to refine our conclusions and recommendations in the event that conditions are encountered that were not disclosed during the site exploration program.*

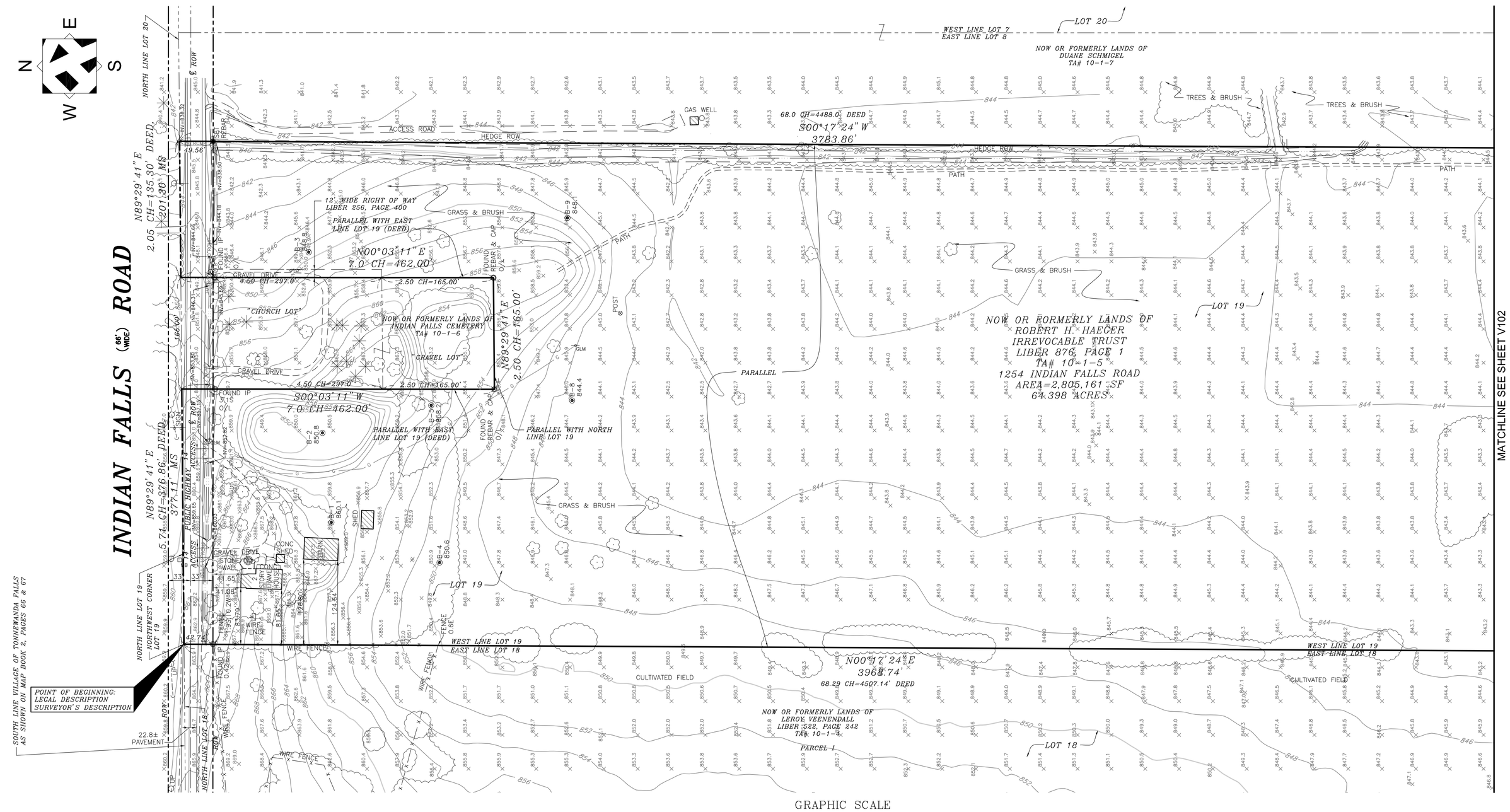
USE OF GEOTECHNICAL REPORT: Unless indicated otherwise, our geotechnical report has been prepared for the use of our client for specific application to the site and project conditions described in the report. *Without consulting with Empire, our geotechnical report should not be applied by any party to other sites or for any uses other than those originally intended.*

CHANGES IN SITE CONDITIONS: Surface and subsurface conditions are subject to change at a project site subsequent to preparation of the geotechnical report. Changes may include, but are not limited to, floods, earthquakes, groundwater fluctuations, and construction activities at the site and/or adjoining properties. *Empire should be informed of any such changes to determine if additional investigative and/or evaluation work is warranted.*

MISINTERPRETATION OF REPORT: The conclusions and recommendations contained in our geotechnical report are subject to misinterpretation. *To limit this possibility, Empire should review project plans and specifications relative to geotechnical issues to confirm that the recommendations contained in our report have been properly interpreted and applied.*

Subsurface exploration logs and other report data are also subject to misinterpretation by others if they are separated from the geotechnical report. This often occurs when copies of logs are given to contractors during the bid preparation process. *To minimize the potential for misinterpretation, the subsurface logs should not be separated from our geotechnical report and the use of excerpted or incomplete portions of the report should be avoided.*

OTHER LIMITATIONS: Geotechnical engineering is less exact than other design disciplines, as it is based partly on judgement and opinion. For this reason, our geotechnical report may include clauses that identify the limits of Empire's responsibility, or that may describe other limitations specific to a project. These clauses are intended to help all parties recognize their responsibilities and to assist them in assessing risks and decision making. Empire would be pleased to discuss these clauses and to answer any questions that may arise.



GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

LEGEND:

- CONIFEROUS TREE
- DECIDUOUS TREE
- DECIDUOUS SHRUB
- GAS METER
- GASLINE MARKER (GLM)
- GUY WIRE
- MAILBOX (MB)
- MONUMENT (FOUND) (MON)
- PROPERTY MARKER (FOUND)
- PROPERTY MARKER (SET)
- SIGN
- SOIL BORING
- SPOT ELEVATION
- SCHEDULE B ITEMS
- UTILITY POLE
- WELL (W)

SURVEY LINE TYPES:

- CHANGE OF PAVEMENT
- EASEMENTS
- PROPERTY BOUNDARY
- GREAT LOT LINE
- PROPERTY LOT LINE
- ROW
- WATER/STREAM
- WOOD LINE

UTILITY LINE TYPES:

- GAS LINE
- OVERHEAD WIRES (OHW)
- STORM SEWER LINE (ST)

ABBREVIATIONS:

CONC	CONCRETE
D	DEED
DIP	DUCTILE IRON PIPE
E	EAST
EP	EDGE OF PAVEMENT
HDPE	HIGH DENSITY POLYETHYLENE
IP	IRON PIPE
L	LIBER
M	MEASURED
MON	MONUMENT (CONCRETE)
N	NORTH
OHW	OVERHEAD WIRES
P	PAGE
RCMP	ROUND CORRUGATED METAL PIPE
REC	RECORD
ROW	RIGHT OF WAY
S	SOUTH
ST	STORM
TA#	TAX ASSESSMENT NO.
W	WEST

LEGAL DESCRIPTION (Liber 876, Page 1)

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the town of Pembroke, County of Genesee and State of New York, being distinguished as part of lots (8) and (19) in the Tract of land, known and distinguished as the 12,800 acre Tract on the Tonawanda Reservation, bounded and described as follows:

COMMENCING at the northwest corner of said Lot 19 and running thence east in the center of a certain highway on the north bounds of said Lot, five chains and seventy-one links; thence south parallel with the east bounds of said Lot Number 19, seven chains along the west bounds of two certain lots known as the Church Lot and Gravel Lot; thence east parallel with the north bounds, two chains and fifty links; thence north parallel with said east bounds, two chains and fifty links on said gravel lot and four chains and fifty links on said Church Lot to the north bounds of said Lot No. 19; thence east on the north bounds of said Lot No. 19, two chains and five links; thence south parallel with the west bounds of said Lot No. 19 and said Lot No. 8, sixty-eight chains to the south of said Lot No. 8, eleven chains and twenty-six links to the southwest corner of said Lot No. 8; thence north along the west bounds of said Lots 8 and 19, sixty-eight chains and twenty-nine links to the place of beginning, containing seventy-five (75) acres of land, be the same more or less, as surveyed by J.W.Holmes.

SUBJECT to a right of way previously reserved as described in a Mortgage in Liber 140 of Mortgages, at Page 252 of the Genesee County Clerk's office, being a right of way twelve feet wide on the west side of the Church Lot, so called, and on to the gravel lot, so called as conveyed to Harry Forward by Martin Brimmer by Deed dated December 15, 1874 and recorded in Liber 142 of Deeds, at Page 144.

EXCEPTING the property appropriated the People of the State of New York as recorded in Liber 307 of Deeds, at Page 201 of the Genesee County Clerk's Office.

FURTHER RESERVING AND EXCEPTING from the premises herein above described the following parcels heretofore conveyed by the following deeds, to which reference is made of a more particular description, viz:

1)A triangular parcel of land conveyed by Earl R. Tuttle and Luella Tuttle, husband and wife, to Joseph P. Zanghi by deed dated June 5, 1953 and recorded June 6, 1953 in Liber 324 of Deeds, at Page 355.

2)Parcel conveyed to the County of Livingston for the construction of Pine Tavern Corners–Route 36 Highways as shown on a map on file in the Livingston County Clerk's Office and as further described in a deed from Earl R. Tuttle and Luella Tuttle, husband and wife, to the County of Livingston by deed dated January 11, 1954, and recorded in said County Clerk's Office in Liber 327 of Deeds, at Page 575.

3) A parcel containing 2 and 37.6/100 of an acre, more or less, conveyed by Earl R. Tuttle and Luella Tuttle, husband and wife, to Leo La Verdi and Adelaide La Verdi by deed dated July 31, 1958 and recorded in said County Clerk's Office on the same day in Liber 353 of Deeds, at Page 87.

EXCEPTION PARCEL DESCRIPTION (Liber 472, Page 142)

ALL THAT TRACT OR PARCEL OF LAND, situate on the south side of the New York State Thruway, situate in the Town of Pembroke, County of Genesee and State of New York owned by the party of the first part.

FURTHER RESERVING AND EXCEPTING from the premises herein above described the following parcels heretofore conveyed by the following deeds, to which reference is made of a more particular description, viz:

1)A triangular parcel of land conveyed by Earl R. Tuttle and Luella Tuttle, husband and wife, to Joseph P. Zanghi by deed dated June 5, 1953 and recorded June 6, 1953 in Liber 324 of Deeds, at Page 355.

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SURVEYORS DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND situate in the Town of Pembroke, County of Genesee, and State of New York, being part of Lots 8 and 19 of the 12,800 Acre Tract of the Tonawanda Reservation, Township 12, Range 4, bounded and described as follows:

BEGINNING at the northwest corner of Lot 19 of the 12,800 Acre Tract of the Tonawanda Reservation;

Thence N 89° 29' 41" E along the north line of said Lot 19, a distance of 377.11 feet to the northwest corner of the Indian Falls Cemetery;

Thence S 00° 03' 11" W along the west line of the said Indian Falls Cemetery, a distance of 462.00 feet to the southwest corner of the said Indian Falls Cemetery;

Thence N 89° 29' 41" E along the south line of the said Indian Falls Cemetery and parallel with the said north line of Lot 19, a distance of 165.00 feet to the southeast corner of the said Indian Falls Cemetery;

Thence N 00° 03' 11" E along the east line of the said Indian Falls Cemetery, a distance of 462.00 feet to the north line of said Lot 19;

Thence N89° 29' 41" E along the said north line of Lot 19, a distance of 201.30 feet to a point;

Thence S 00° 17' 24" W parallel with the west line of said Lot 19 and the west line of Lot 8 of the 12,800 Acre Tract of the Tonawanda Reservation, a distance of 3,783.80 feet to the northeast corner of lands appropriated by The People of the State of New York, Map 49, Parcel 53 by deed recorded in the Genesee County Clerks Office in Liber 307 of Deeds at Page 201;

Thence S 75° 34' 19" W along the north line of said lands appropriated by The People of the State of New York, a distance of 768.56 feet to the northwest corner of said lands appropriated by The People of the State of New York and the west line of said Lot 8;

Thence N 00° 17' 24" E along the said west line of Lots 8 and 19, a distance of 3,968.74 to the point or place of beginning, containing 2,805,161 square feet or 64.398 acres of land more or less.

Bearings are referenced to True North at the 78°35' meridian of west longitude.

GENERAL NOTES:

The survey for this map was completed on April 16, 2014.

The property hereon described is the same as the pertinent property as described in the Certificate and Report of Title issued by Chicago Title Insurance Company, dated April 11, 2014, as Title Number 14CT11768.

The underground utilities shown have been located from field survey and record information provided. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated. Although they are located as accurately as possible from the record information available, the surveyor has not physically located the underground utilities. It is the clients' responsibility to verify the location of all utilities (whether shown or not) and to protect said utilities from any damage.

The address post on the subject property is 1254 Indian Falls Road.

Access to the site is via Indian Falls Road, a public dedicated highway.

At the time of this survey there was no observable evidence of earth moving, building construction or building additions within recent months.

At the time of this survey there was no observable evidence of the site being used as a solid waste dump, sump or sanitary landfill.

Elevations are referenced to the NAVD 88 vertical Datum.

Coordinates are referenced to the New York State Plane Coordinate System, West Zone, NAD 83.

Mapping compile by photogrammetric methods from aerial photography exposed 11/18/12 and field edited April 16, 2014.

BASIS OF BEARINGS:

Bearings are referenced to True North at the 78° 35 meridian of west longitude.

LAND AREA:

Square Feet: 2,805,161 square feet
Acres: 64.398 acres

ENCROACHMENT STATEMENT:

At the time of this survey there were no apparent encroachments on the subject property.

ZONING INFORMATION:

Not provided by the insurer

PARKING SPACE INFORMATION:

None apply

FLOOD STATEMENT:

By graphic plotting only, this property is in Zone C of the Flood Insurance Rate Map, Community No. 360283, Panel No. 0005 C, which bears an effective date of January 20, 1984 and is not in a special flood hazard area. No field surveying was performed to determine this zone, and an elevation certificate may be needed to verify this determination or apply for a variance from the Federal Emergency Management Agency.

SCHEDULE B NOTES:

The Certificate and Report of Title issued by Chicago Title Insurance Company, dated April 11, 2014, as Title Number 14CT11768 contains the following exceptions which are survey matters:

3. Easement to Empire Telephone Corporation dated May 17, 1990 and recorded July 23, 1990 in Liber 583 of Deeds at Page 229. Affects premises, unable to graphically depict.

ALTA/ACSM LAND TITLE SURVEY CERTIFICATION

TO: U.S. Department of Veterans Affairs
Chicago Title Insurance Company

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2011 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 1–5, 7a, 8, 9, 11a, 13, 14, 16, 18, 19, 20b and 21 of Table A thereof. The field work was completed on April 16, 2014.

STATE OF NEW YORK — TIMOTHY J. OSBORN — 049978 — LICENSED LAND SURVEYOR

Michael J. Pohl
New York State Land Surveyor License No. 049978
Foit-Albert Associates

SEPTEMBER 3, 2014
Date

Foit-Albert ASSOCIATES
Architecture. Engineering. Surveying.
763 Main Street
Buffalo, New York 14203
T 716.856.3333 F 716.852.3961 W foit-albert.com

ALTA / ACSM Land Title Survey

Part of Lots 8 and19 of the 12,800 Acre Tract, of the Tonawanda Reservation, Township 12 Range 4, Town of Pembroke County of Genessee, State of New York

Seal:

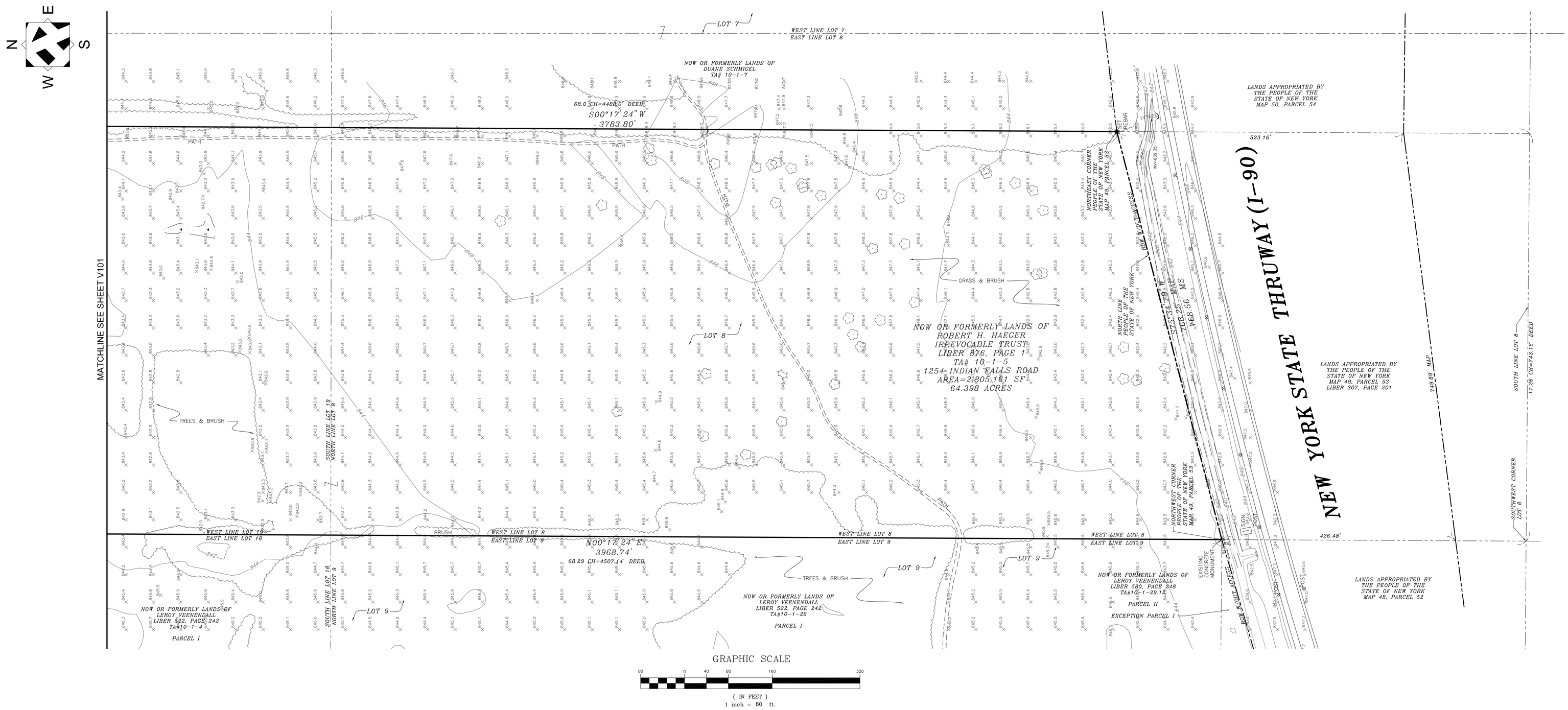
Revision Number	Revision Date/Description
△	
△	
△	
△	

Scale: 1"=80'

Date: 9-2-14	Project Manager: M.POHL
Drawn By: K.ARMSTRONG	Checked By: M.POHL

Project: 14001.11
File Name: 14001-11.dwg
Sheet: SHEET 1 OF 2

V101



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(IN FEET)
1 inch = 80 ft.

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ABBREVIATIONS:

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RCMP	ROUND CORRUGATED METAL PIPE
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S	SOUTH
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TA#	TAX ASSESSMENT NO.
W	WEST

GENERAL NOTES:

The survey for this map was completed on April 16, 2014.

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Elevations are referenced to the NAVD 88 vertical Datum.

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Mapping compile by photogrammetric methods from aerial photography exposed 11/18/12 and field edited April 16, 2014.

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Square Feet: 2,805,161 square feet
Acres: 64.398 acres

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ZONING INFORMATION:

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PARKING SPACE INFORMATION:

None apply

FLOOD STATEMENT:

By graphic plotting only, this property is in Zone C of the Flood Insurance Rate Map, Community No. 360283, Panel No. 0005 C, which bears an effective date of January 20, 1984 and is not in a special flood hazard area. No field surveying was performed to determine this zone, and an elevation certificate may be needed to verify this determination or apply for a variance from the Federal Emergency Management Agency.

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Foit-Albert ASSOCIATES
Architecture, Engineering, Surveying
763 Main Street
Buffalo, New York 14203
T 716.856.3333 F 716.856.3961 W foit-albert.com

ALTA / ACSM Land Title Survey

Part of Lots 8 and 19 of the
12,800 Acre Tract, of the Tonawanda Reservation, Township 12
Range 4, Town of Pembroke
County of Genessee, State of New York

Seal:

STATE OF NEW YORK
MICHAEL J. POHL
049878
LICENSED LAND SURVEYOR

Revision Number	Revision Date/Description
△	
△	
△	
△	

Scale: 1"=80'

Date: 9-2-14	Project Manager: M.POHL
Drawn By: K.ARMSTRONG	Checked By: M.POHL

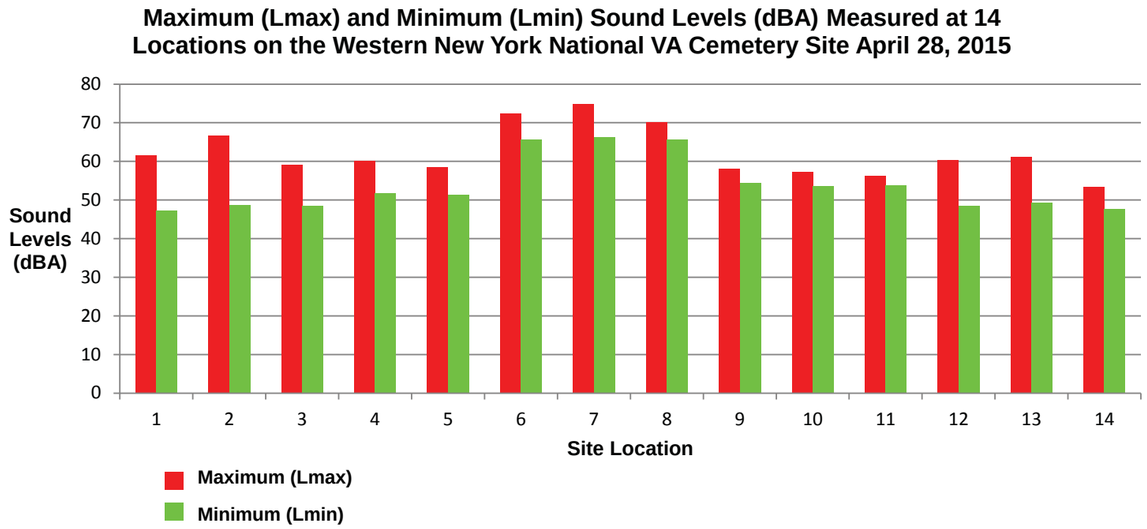
Project: 14001.11
File Name: 14001-11.dwg
Sheet: SHEET 2 OF 2

V102

2.11 Noise

Assessment of existing sound levels was performed on April 27, 2015. Collection of data included recording the maximum (Lmax) and minimum (Lmin) sound levels within a 5 minute duration at 14 locations throughout the site. The sound levels were measured with a Quest Technologies 2200 Integrating Sound Level Meter equipped with a wind shield. Winds were generally 5 mph with gusts to 10 mph. As anticipated, sound levels were highest, approximately 72 dBA, in the southern end of the site adjacent to the NYS Thruway and lowest, approximately 50 dBA, in the middle portion of the site adjacent to the tree line.

See Figure 2.11.A, Sound Level Study Location Map.



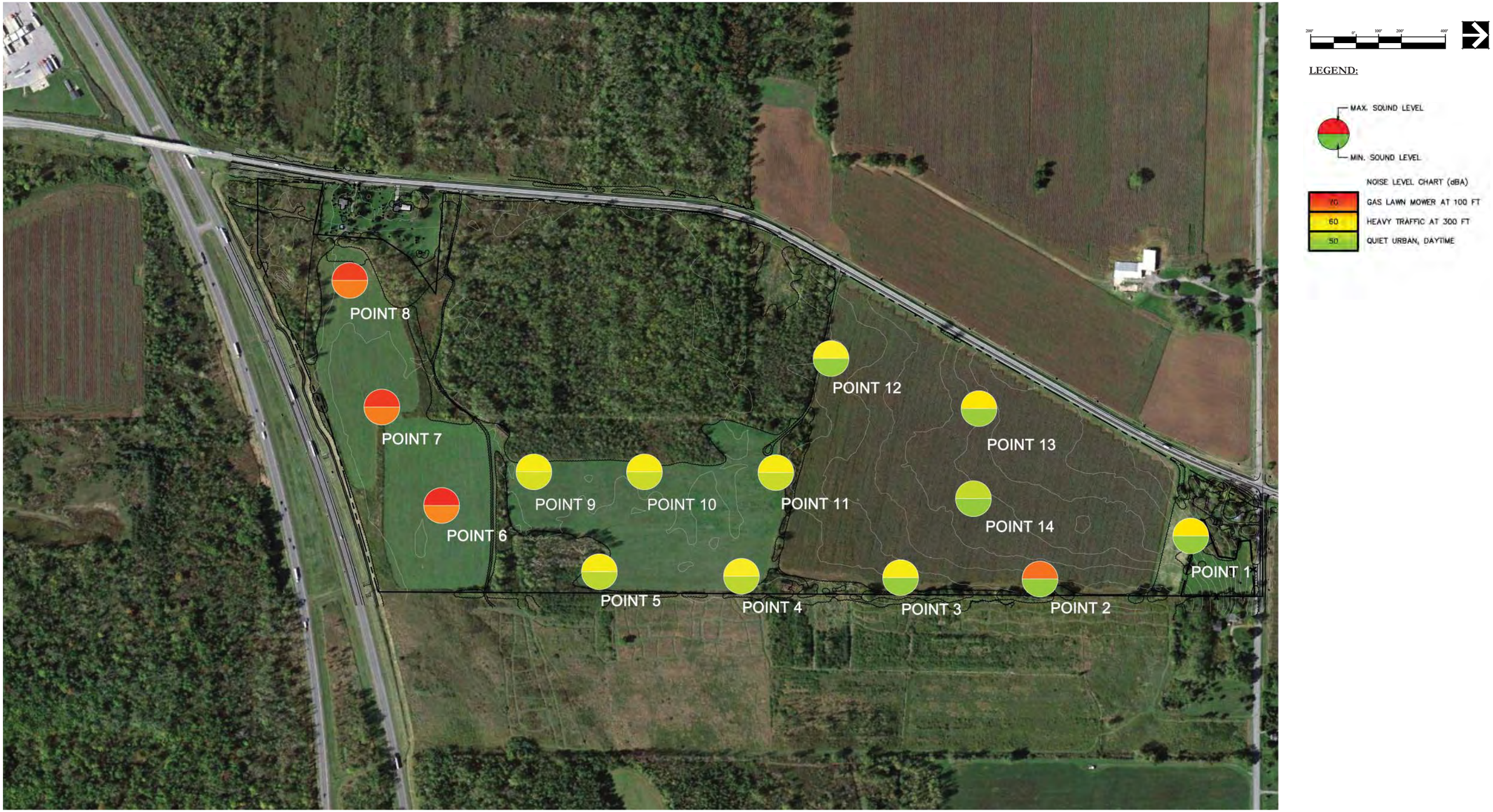


Figure 2.11.A | Sound Study Location Map

WNY Sound Level Readings April 28, 2015*

Location	Lmax (dBA)	Lmin (dBA)
1	61.6	47.3
2	66.7	48.7
3	59.2	48.6
4	60.2	51.7
5	58.6	51.4
6	72.4	65.7
7	74.8	66.2
8	70.1	65.7
9	58	54.5
10	57.2	53.5
11	56.3	53.8
12	60.3	48.6
13	61.1	49.4
14	53.5	47.7

*Sound levels measured for 5 minute intervals at each location.
Measured with Quest Technologies 2200 Integrating Sound Level Meter.
Meter equipped with wind shield. Winds generally 5 mph with gusts to 10 mph.

Phase I Environmental Site Assessment and Limited Compliance Review

- for -

Public Properties
3210 Grace Street, Suite 100
Washington, DC 20007

Real Parcel Located at:
Schmigel Property
Indian Falls Road
Pembroke, New York 14036

October 2015

- AS PREPARED BY -

GREAT LAKES ENVIRONMENTAL & SAFETY CONSULTANTS, INC.

50 Ridge Road
Buffalo, New York 14218

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LIST OF TABLES

LIST OF APPENDICES

EXECUTIVE SUMMARY

Great Lakes Environmental & Safety Consultants, Inc. (Great Lakes) has been retained by Public Properties to conduct a Phase I Environmental Site Assessment (ESA) and Limited Compliance Review in conformance with ASTM Standard E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The Schmigel property (Tax Map ID 10.-1-7), is located on Indian Falls Road, in Pembroke, County of Genesee, New York. The objective of this assessment is to determine the presence or absence of Recognized Environmental Conditions (RECs), as defined in ASTM Standard E1527-13. Any exceptions to or deletions from this practice are noted in this report.

The ESA was performed to advise Public Properties of potential environmental concerns associated with the subject property and its current and former uses and operations, if any. The subject site is currently owned by Duane Schmigel. The parcel is polygonal in shape and consists of approximately 77.1 acres.

Based on information reviewed for the subject site, the property currently does not hold any environmental liens, and there is no knowledge of any past or current violations, lawsuits, or administrative proceedings involving the subject property.

Due to the past land use of the subject site (i.e. farmland), it is recommended that a Phase II Environmental Site Assessment be conducted to verify the presence and the extent of subsurface contamination due to possible pesticide/herbicide application, if any.

Detailed results of the site assessment and applicable environmental observations are discussed in the body of this report.

1.0 INTRODUCTION AND BACKGROUND

Great Lakes Environmental & Safety Consultants, Inc. completed a Phase I Environmental Site Assessment (ESA) and Limited Compliance Review of the Schmigel property located on Indian Falls Road in Pembroke, New York. The subject property includes approximately 77.1 acre of farmland and wooded land. This Phase I Environmental Site Assessment was performed for Public Properties to provide technical assistance in anticipation of a potential property transaction.

Based on information reviewed for the subject site, no evidence was found indicating the property holds any environmental liens. There is no knowledge of any current violations, lawsuits, or administrative proceedings involving the subject property.

Great Lakes Personnel performed a site visit on October 26, 2015. Photographs of the site and surrounding areas were taken to document current conditions at the subject parcel and are included in Appendix A.

1.1 Scope of Work

This ESA was conducted in general conformance with the requirements of ASTM Standard E1527-13; Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

The assessment was conducted to evaluate the potential for environmental impacts on the subject parcel as a result of past or current activities on the property or surrounding properties. Great Lakes' Phase I Environmental Assessment included:

- An on-site inspection of the subject property to evaluate current conditions and to identify areas of potential concern;
- A review of property history through interviews and historical mapping;
- Observation of adjacent properties and the local area to evaluate the potential for adverse environmental impacts to the subject parcel;
- A review of regulatory agency records through the use of a contracted search of regulatory databases.

1.2 User Reliance

This report is for the use and benefit of, and may be relied upon by, Public Properties and any affiliates, and third parties authorized by Public Properties and Great Lakes.

The Environmental Professional hereby certifies that this Phase I ESA has been conducted in accordance with and conforms to ASTM E 1527-13 Standard, or the most current ASTM Standard, and the EPA Rules.

1.3 Limiting On-Site Conditions

The site visit was conducted on October 26, 2015. The local weather conditions, at the time of the site visit, were mostly sunny with temperatures in the mid 50° F range. The auditor's ability to observe the conditions of the site was not affected.

2.0 SITE SETTING

2.1 Location

The subject site is located on Indian Falls Road in Pembroke, New York, approximately ¼-mile southeast of the intersection of Indian Falls Road and Alleghany Road. The subject property includes approximately 77.1 acre of farmland and wooded land. The surrounding area is rural with a mix of farmland, wooded land and residential properties. Photographs taken during the site assessment are provided in Appendix A. Approximate subject property coordinates are as follows (coordinates given below represent an approximate central point for the site):

Latitude (North): 43° 1' 14.52"
Longitude (West): 78° 23' 54.24"

2.2 Neighboring Properties

As stated above, the current land use of the area immediately surrounding the site is rural and surrounding uses are primarily residential in nature. The features surrounding the subject parcels are described below.

North Directly to the north are residential properties, farmland and wooded land on the opposite side of Indian Falls Road.

South Interstate 90 borders the property to the south.

East A residence is located to the northeast of the subject site, with a mix of residential properties farmland and wooded land.

West Indian Falls Cemetery is located approximately 300 feet to the west, followed by a mix of wooded land, farmland and a residence.

2.3 Topography and Hydrology

The subject site is relatively flat with the site elevation at 862 feet above mean sea level (see the topographical maps in Appendix C). Groundwater flow direction in the area is anticipated to flow east-northeast. Surface water in the area percolates into surrounding soil, or evaporates. The nearest significant body of water is Murder Creek, which is located approximately ¼-mile to the south of the subject property. National wetlands are located within the property boundary. 100-year FEMA flood zones are located within a ¼-mile radius of the subject site.

2.4 Geology and Hydrogeology

The subject property is situated above Paleozoic-aged bedrock. The system unit is Devonian and the series unit is Middle Devonian. The code unit is D2. The site soil classification is Palmyra, which consists of gravelly loam. These soils are characterized as being well drained. These soils do not meet the requirements for a

Hydric soils are likely to be found on the site. The general direction of ground water flow is east-northeast.

3.0 SITE AND OPERATIONS INFORMATION

3.1 General Site Description

The subject site is approximately 77.1 acre of farmland and wooded land. A natural gas well is located in the western portion of the subject property. The area immediately surrounding the site is rural with a mix of farmland, wooded land and residential properties.

See Appendix C (Maps) for a site plan depicting the property. Photographs of the site and surrounding areas were taken to document current conditions at the subject parcel and are included in Appendix A.

3.2 Utilities

The subject property is not supplied with public utilities (i.e., potable water, storm sewer, natural gas and electricity).

3.3 Processes and Material Use

The subject property is occupied by farmland or wooded land. A natural gas well is located in the western portion of the subject property.

3.4 Chemical Use and Storage

Chemical use or storage associated with the subject property is as follows:

3.4.1 Cylinder Storage

There was no observed cylinder storage at the property.

3.4.2 Underground Storage Tanks (USTs)

At the time of the inspection, no underground storage tanks were observed.

3.4.3 Aboveground Storage Tanks (ASTs)

At the time of the inspection, an aboveground storage tanks (ASTs) was observed, its contents was not marked.

3.4.4 National Pollutant Release Inventory (NPRI)

Governmental database search reports did not identify the property in any pollution release inventory databases.

3.5 Hazardous and Non-Hazardous Waste Management

3.5.1 Hazardous Waste

At the time of the inspection, hazardous wastes were not generated or stored on the site.

3.5.2 Non-Hazardous Waste

At the time of the inspection, non-hazardous wastes were not generated at the site.

3.5.3 Used Oil

Used oil is not generated or stored on the site.

3.5.4 Off-Site Waste Disposal Evaluation

General municipal waste were not generated at the site, at the time of the inspection.

3.6 Water, Wastewater and Storm Water

3.6.1 Water

Water is not supplied to the site.

3.6.2 Wastewater

There is no wastewater discharged from the site.

3.6.3 Storm Water

Storm water in the area percolates into surrounding soil or evaporates.

3.7 Air Emissions

There are no industrial air emission sources currently at the site.

3.8 Polychlorinated Biphenyls (PCBs)

At the time of the inspection, no visual indications of on-site PCB were identified.

3.9 Visual Indications of On-Site Contamination

Based on site observations conducted for this assessment, no visual indications of on-site contaminations were identified.

3.10 Asbestos-Containing Materials

There are no Asbestos-Containing Materials on the subject site.

3.11 Lead Based Paint

No visual indications of lead based paint were observed.

3.12 Ozone Depleting Substances

There was no ozone depleting substances located on or within the subject property.

3.13 Radioactive Sources

No radioactive sources were observed within the property.

3.14 Vapor Intrusion

As summarized in Section 6, Great Lakes has not identified conditions (RECs) at the subject property and/or at neighboring properties that would indicate a potential for vapor intrusion at the subject property, based on the information contained in the databases reviewed.

4.0 ASSESSMENT OF PAST LAND USE AND OPERATIONS

4.1 General Information

The Schmigel property (Tax Map ID 10.-1-7), is located on Indian Falls Road, in Pembroke, County of Genesee, New York. The subject property includes approximately 77.1 acre of farmland and wooded land. A natural gas well is located in the western portion of the subject property.

4.2 Interviews

At the time of the report an interview has not been completed the current owner. Great Lakes will continue to try and establish contact and conduct an interview. Great Lakes reserves the right to revise this report based on pertinent information that may be received.

4.3 Previous Environmental Reports

No previous environmental reports associated with the subject property were available for review at the time of writing of this report. As detailed below, a freedom of information (i.e., FOIL) request was submitted to the New York State Department of Environmental Conservation (NYSDEC) and the Town of Pembroke; however, the requested records have not been returned as of the time of the writing of this report. The FOIL records will be submitted to Public Properties at a later date under separate cover.

4.4 Evaluation of Historic Information Sources

Evaluation of historic information sources included a review of Sanborn Maps, City Directories, Aerial Photographs and Topographic Maps. All maps are presented in Appendix C, aerial photographs in Appendix B and city directory in Appendix D of

this report. A review of records indicates the subject site has been occupied by farmland and wooded land.

5.0 DATABASE AND GOVERNMENT RECORDS REVIEW

5.1 Government Records Review / Interviews

Great Lakes made a Freedom of Information Law (FOIL) request for the subject property to the NYSDEC and the Town of Pembroke. A copy of this request is presented in Appendix E of this report. Great Lakes reserves the right to revise this report based on pertinent information that may be received in the future concerning any environmental incidents or health concerns related to the subject property.

5.2 Environmental Database Search

Great Lakes engaged EDR, Inc. to scan both federal and state environmental record databases and provide a summary of facilities that are identified on any of the lists searched. A copy of this report can be found in Appendix F. The databases searched are listed below.

The subject property was not listed in any of the databases searched. Table 1 (provided below) lists properties in the surrounding area of the subject property that were identified in the searched databases.

Great Lakes did not identify activities at the subject property or at neighboring properties that would indicate a significant potential for RECs, based on the information contained in the databases reviewed.

Refer to page GR-1 of the Environmental Data Resources report for a description of the databases listed (Appendix F).

Federal ASTM Standard Databases

- National Priority List – NPL
- Proposed National Priority List Sites – Proposed NPL
- Comprehensive Environmental Response, Compensation, and Liability Information System – CERCLIS
- CERCLIS No Further Remedial Action Planned – CERCLIS-NFRAP
- Corrective Action Report – CORRACTS
- Resource Conservation and Recovery Information System – RCRIS
- Emergency Response Notification System - ERNS

Federal ASTM Supplemental Databases:

- Listing of Brownfields Sites – US Brownfields
- Superfund (CERCLA) Consent Decrees – CONSENT
- Records of Decision – ROD
- National Priority List Deletions – Delisted NPL
- Facility Index System/Facility Identification Initiative Program Summary Report – FINDS
- Hazardous Materials Information Reporting System – HMIRS
- Material Licensing Tracking System – MLTS
- Mines Master Index Files – MINES
- PCB Activity Database – PADS
- RCRS Administrative Database System – RAATS
- Toxic Chemical Release Inventory System – TRIS
- Toxic Substance Control Act – TSCA
- FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/ TSCA (Toxic Substances Control Act) – FTTS
- Section 7 Tracking Systems – SSTS
- Department of Defense Sites – DOD
- Formerly Used Defense Sites – FUDS
- Open Dump Inventory - ODI

State of New York ASTM Standard Records

- Facility Register (solid waste facilities/landfill sites)– SWF/LF
- Inactive Hazardous Waste Disposal Sites– SHWS
- Spills Information Database – LTANKS
- Petroleum Bulk Storage Database – UST
- Chemical Bulk Storage Database – CBS UST
- Major Oil Storage Facilities Database – MOSF UST
- Voluntary Cleanup Agreements – VCP
- Registered Recycling Facility List – SWRCY
- Registered Waste Tire Storage & Facility List – SWTIRE

State of New York ASTM Supplemental Records

- Hazardous Substance Waste Disposal Site Inventory – HSWDS
- Petroleum Bulk Storage – AST
- Chemical Bulk Storage Database – CBS AST
- Major Oil Storage Facilities Database – MOSF AST
- Spills Information Database – NY SPILLS
- Spills Database – NY Hist Spills
- Registered Drycleaners – DRYCLEANERS
- Brownfields Site List – BROWNFIELDS
- State Pollutant Discharge Elimination System - SPDES
- Air Emissions Data – AIRS
- Registry of Engineering Controls – ENG CONTROLS
- Registry of Institutional Controls – INST CONTROL
- Vapor Intrustion Legacy Site List – VAPOR REOPENED
- Restrictive Declarations Listing – RES DECL
- Delisted Registry Sites – DEL SHWS

Table 1 - Environmental Data Resources Report Summary

See page GR-1 of the Environmental Data Resources report for a description of the databases listed (Appendix F).

Database Searched	Distance from Property (~ miles)	Number of Sites
LTANKS	<1/8 1/8 -1/4 1/4 -1/2	5 0 4
UST	<1/8	1
AST	<1/8	1
NY Spills	<1/8	16
INDIAN RESERV	1/2 -1	1

6.0 FINDINGS & CONCLUSIONS

Great Lakes performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the Schmigel property (Tax Map ID 10.-1-7), located on Indian Falls Road, in Pembroke, County of Genesee, New York. Any exceptions to, or deletions from this practice is described in Section 6.1 of this report.

Based on information reviewed for the subject site, the property currently does not hold any environmental liens, and there is no knowledge of any past or current violations, lawsuits, or administrative proceedings involving the subject property.

Due to the past land use of the subject site (i.e. farmland), it is recommended that a Phase II Environmental Site Assessment be conducted to verify the presence and the extent of subsurface contamination due to possible pesticide/herbicide application, if any.

6.1 Statement of Information Conformity

The conformity of information collected and analyzed fulfilled the requirements of the standards and practices listed in the regulation and did not impede the ability of the environmental professional to identify conditions indicative of releases or threatened releases of hazardous substances. The long-standing history and use of this property has been well known and documented, therefore, any gaps in information were deemed insignificant.

7.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

"I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of this part."

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

_____ 10/27/2015

Date

APPENDIX A

SITE PHOTOGRAPS

Shcmigel Property - Indian Falls Road, Pembroke, New York 14036

North end of property facing east

Northwest corner of property facing southeast

Northwest of property facing south

Natural gas well on west side of property facing south

Shcmigel Property - Indian Falls Road, Pembroke, New York 14036

Southwest of property facing south

Northwest of property facing south

West side of property facing southeast

Northwest side of property facing north

APPENDIX B

AERIAL PHOTOGRAPS

1232 Indian Falls Road
1232 Indian Falls Road
Corfu, NY 14036

Inquiry Number: 4444330.9
October 21, 2015

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

EDR Aerial Photo Decade Package

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.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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

Date EDR Searched Historical Sources:

Aerial Photography October 21, 2015

Target Property:

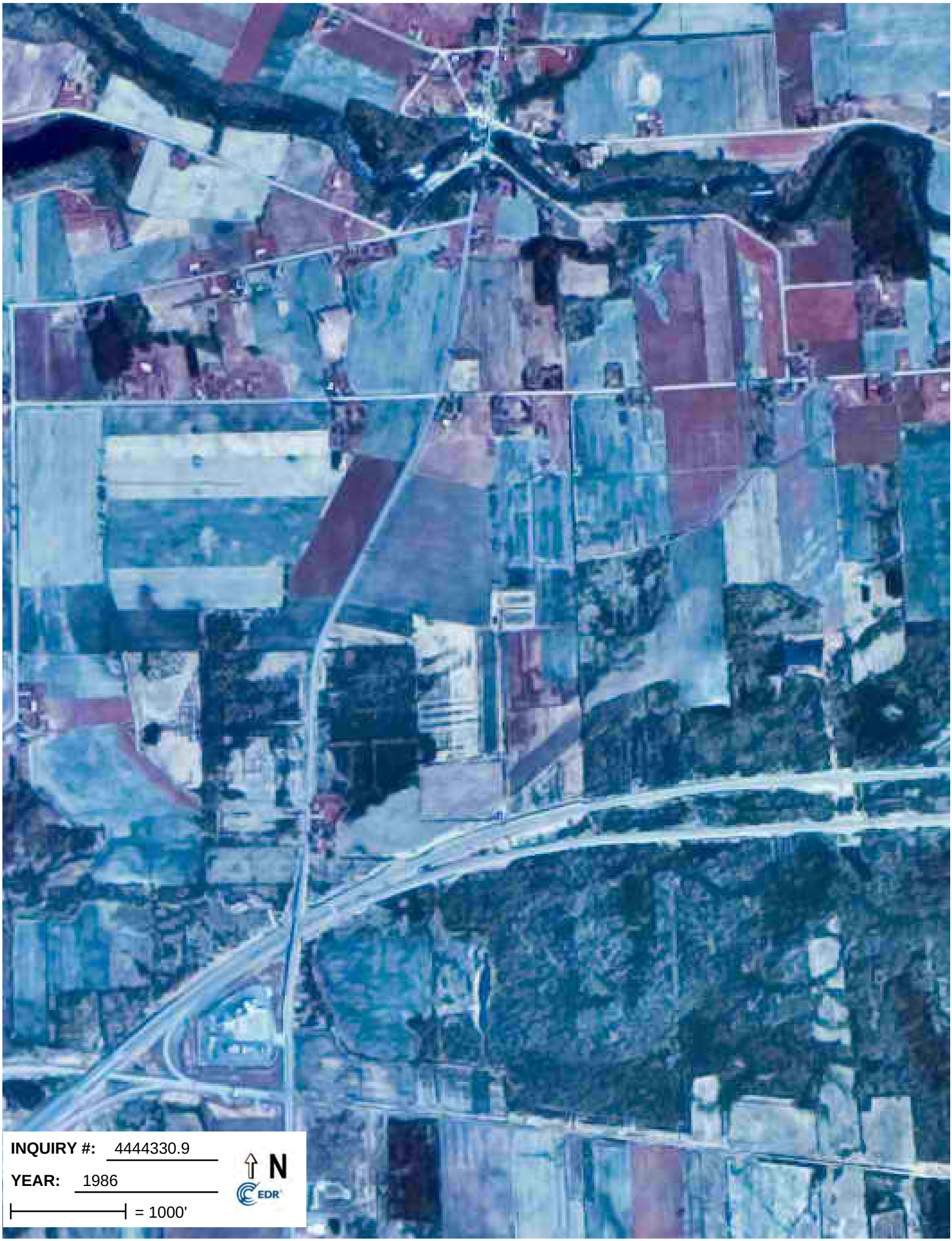
1232 Indian Falls Road

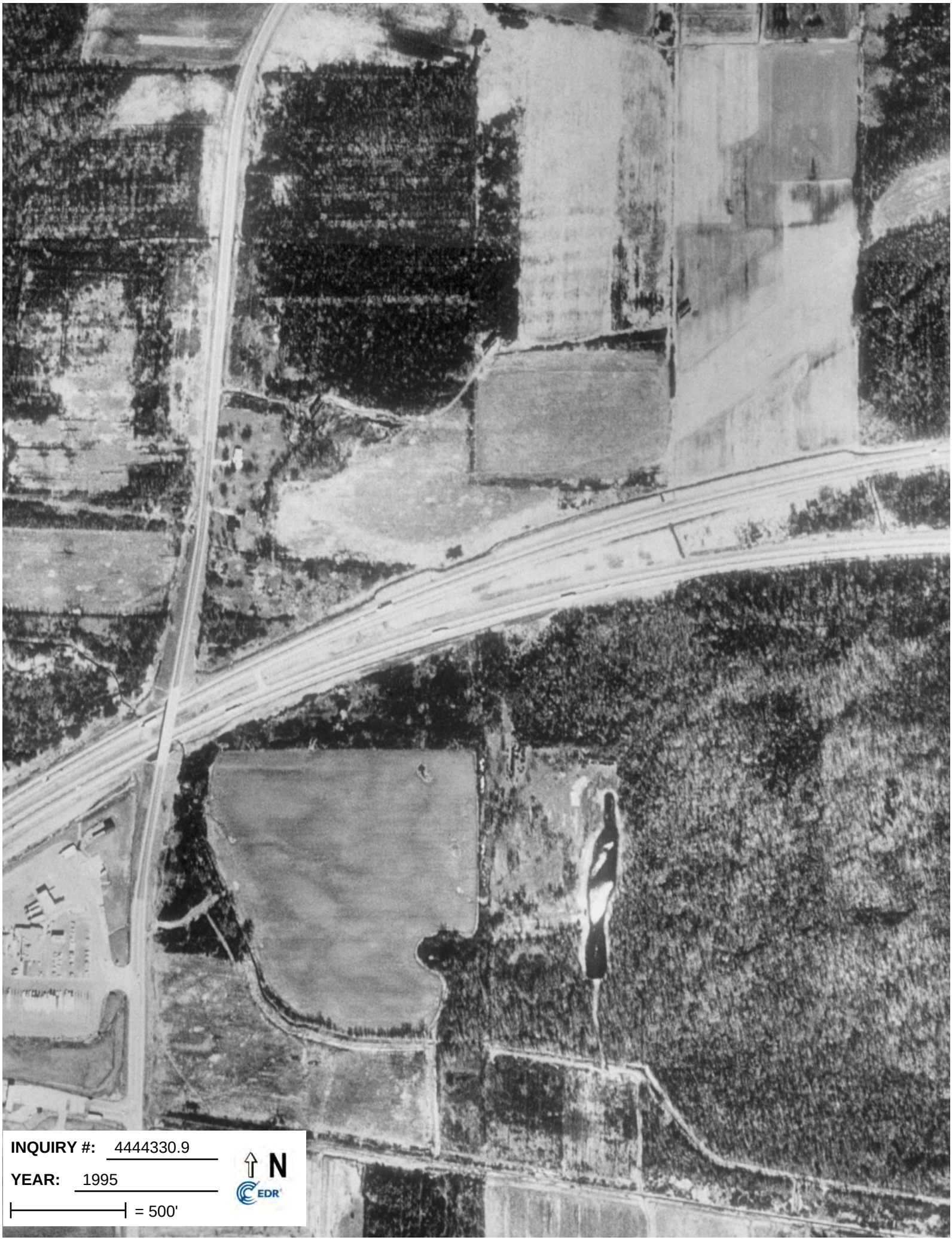
Corfu, NY 14036

Year	***Scale***	***Details***	***Source***
1972	Aerial Photograph. Scale: 1"=500'	Flight Date: May 13, 1972	EDR
1978	Aerial Photograph. Scale: 1"=1000'	Flight Date: October 21, 1978	EDR
1986	Aerial Photograph. Scale: 1"=1000'	Flight Date: April 14, 1986	EDR
1995	Aerial Photograph. Scale: 1"=500'	DOQQ - acquisition dates: March 28, 1995	USGS/DOQQ
1995	Aerial Photograph. Scale: 1"=500'	DOQQ - acquisition dates: March 28, 1995	USGS/DOQQ
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2008	Aerial Photograph. Scale: 1"=500'	Flight Year: 2008	USDA/NAIP
2008	Aerial Photograph. Scale: 1"=500'	Flight Year: 2008	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2011	Aerial Photograph. Scale: 1"=500'	Flight Year: 2011	USDA/NAIP
2011	Aerial Photograph. Scale: 1"=500'	Flight Year: 2011	USDA/NAIP


INQUIRY #: 4444330.9
YEAR: 1972
= 500'
N
EDR


INQUIRY #: 4444330.9
YEAR: 1978
= 1000'
N
EDR


INQUIRY #: 4444330.9
YEAR: 1986
= 1000'
N
EDR


INQUIRY #: 4444330.9
YEAR: 1995
= 500'
N
EDR


INQUIRY #: 4444330.9
YEAR: 1995
= 500'
N
EDR


INQUIRY #: 4444330.9
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 4444330.9
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 4444330.9
YEAR: 2008
= 500'
N
EDR


INQUIRY #: 4444330.9
YEAR: 2008
= 500'
N
EDR


INQUIRY #: 4444330.9
YEAR: 2009
= 500'
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EDR


INQUIRY #: 4444330.9
YEAR: 2009
= 500'
N
EDR

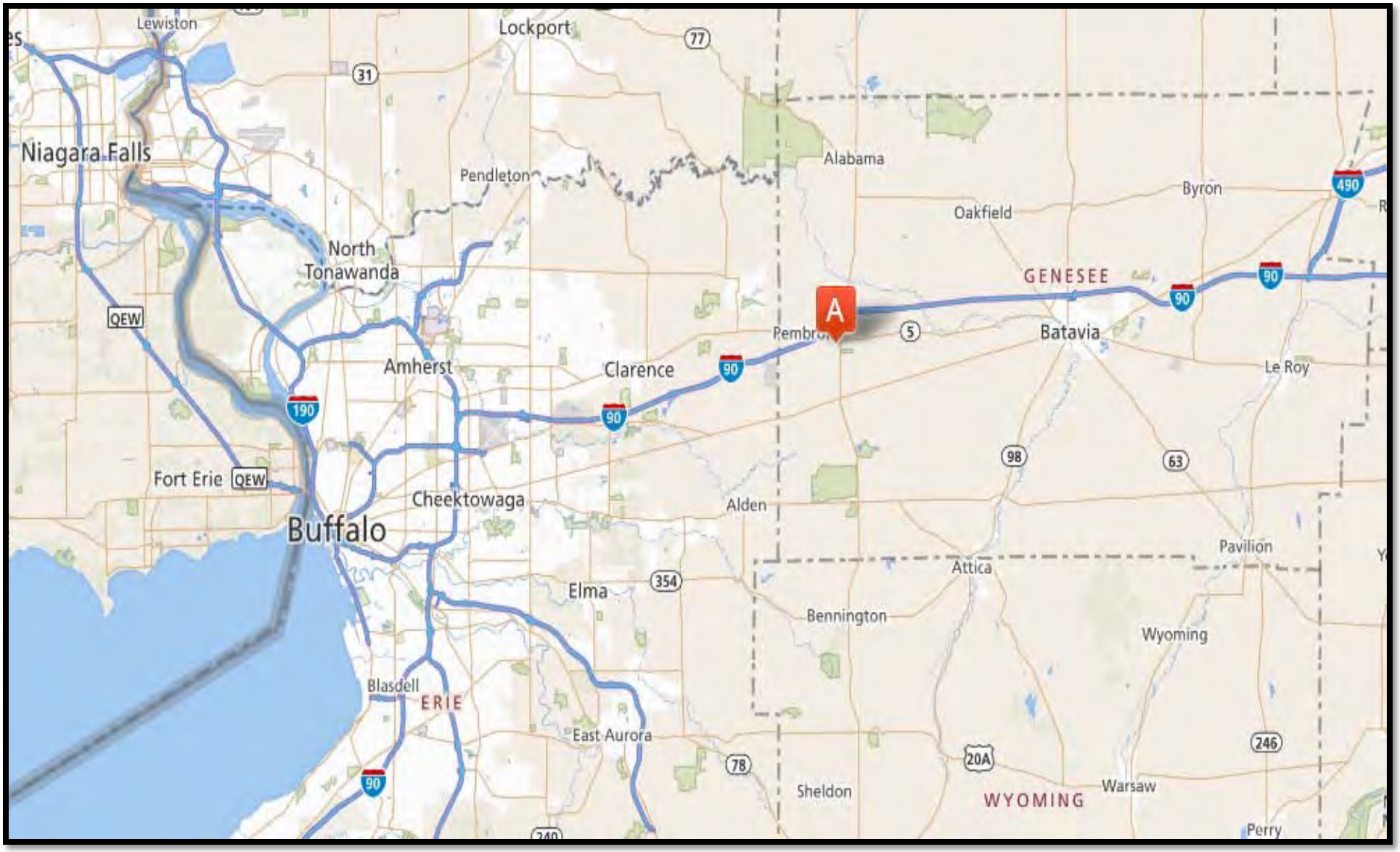

INQUIRY #: 4444330.9
YEAR: 2011
= 500'
N
EDR


INQUIRY #: 4444330.9
YEAR: 2011
= 500'
N
EDR

APPENDIX C

MAPS

TABLE OF MAPS



GREAT LAKES ENVIRONMENTAL & SAFETY CONSULTANTS, INC.

Site Location Map
Schmigel Property – Indian Falls Road
Pembroke, New York 14036

N

PREPARED FOR:
PROJ. MGR
DRAWN BY: Great Lakes Environmental

DATE: 10/2015
PROJ. #: Indian Falls Rd


Indian Falls

1232 Indian Falls Road
1232 Indian Falls Road
Corfu, NY 14036

Inquiry Number: 4444330.3
October 21, 2015

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

Certified Sanborn® Map Report

10/21/15

Site Name:
1232 Indian Falls Road
1232 Indian Falls Road
Corfu, NY 14036

Client Name:
Great Lakes Environmental
50 Ridge Road
Buffalo, NY 14218

EDR Inquiry # 4444330.3

Contact: Danielle Bastian

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Great Lakes Environmental 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:

Site Name: 1232 Indian Falls Road
Address: 1232 Indian Falls Road
City, State, Zip: Corfu, NY 14036
Cross Street:
P.O. # NA
Project: NA
Certification # 6CE0-4581-B972

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™

Limited Permission To Make Copies

Great Lakes Environmental (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

1232 Indian Falls Road
1232 Indian Falls Road
Corfu, NY 14036

Inquiry Number: 4444330.4
October 21, 2015

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

EDR Historical Topographic Map Report

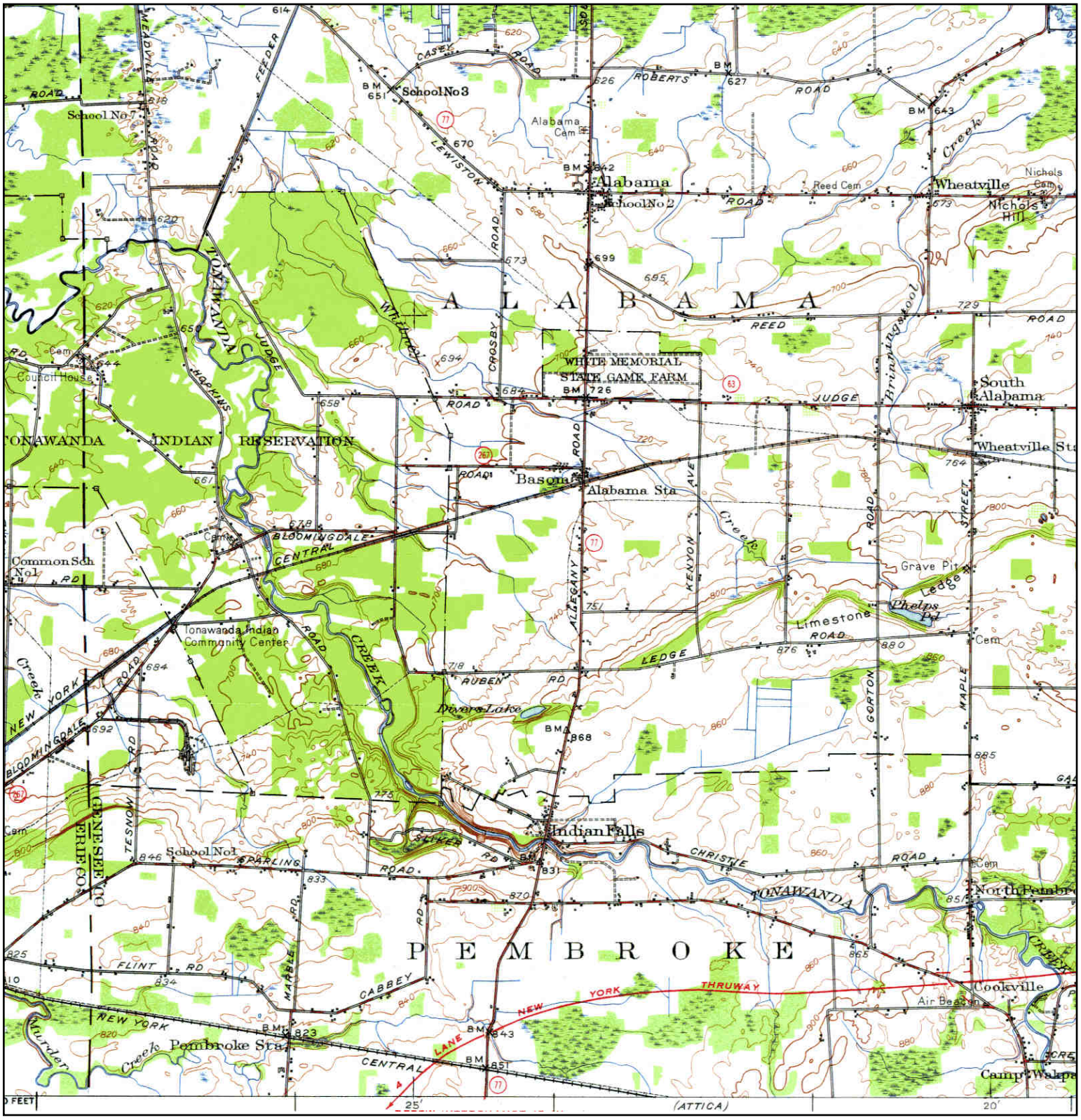
Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

Historical Topographic Map

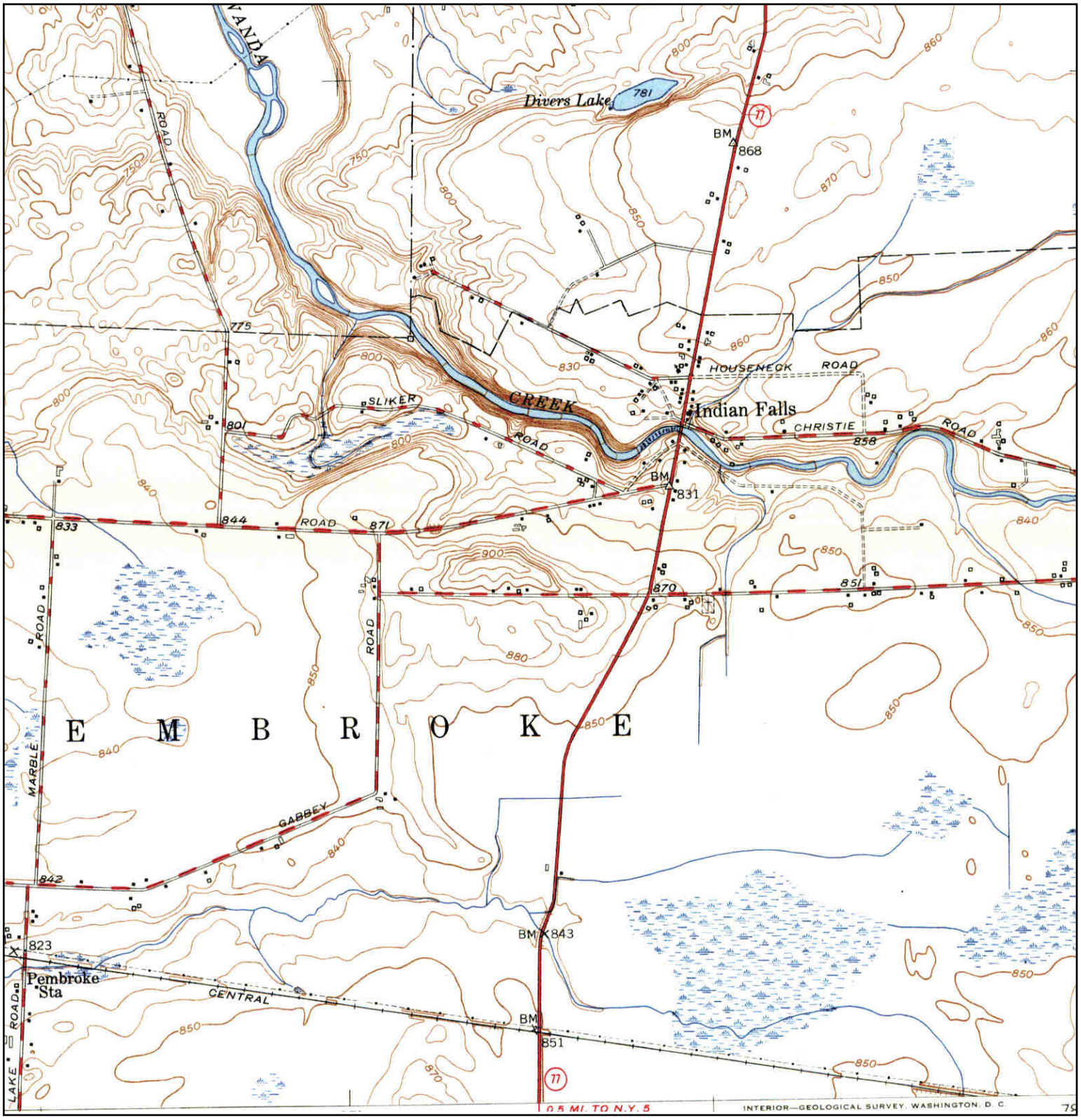
N	**TARGET QUAD** NAME: MEDINA MAP YEAR: 1897 SERIES: 15 SCALE: 1:62500	SITE NAME: 1232 Indian Falls Road ADDRESS: 1232 Indian Falls Road Corfu, NY 14036 LAT/LONG: 43.0207 / -78.3984	CLIENT: Great Lakes Environmental CONTACT: Danielle Bastian INQUIRY#: 4444330.4 RESEARCH DATE: 10/21/2015

Historical Topographic Map



N	TARGET QUAD NAME: MEDINA MAP YEAR: 1950 SERIES: 15 SCALE: 1:62500	SITE NAME: 1232 Indian Falls Road ADDRESS: 1232 Indian Falls Road Corfu, NY 14036 LAT/LONG: 43.0207 / -78.3984	CLIENT: Great Lakes Environmental CONTACT: Danielle Bastian INQUIRY#: 4444330.4 RESEARCH DATE: 10/21/2015

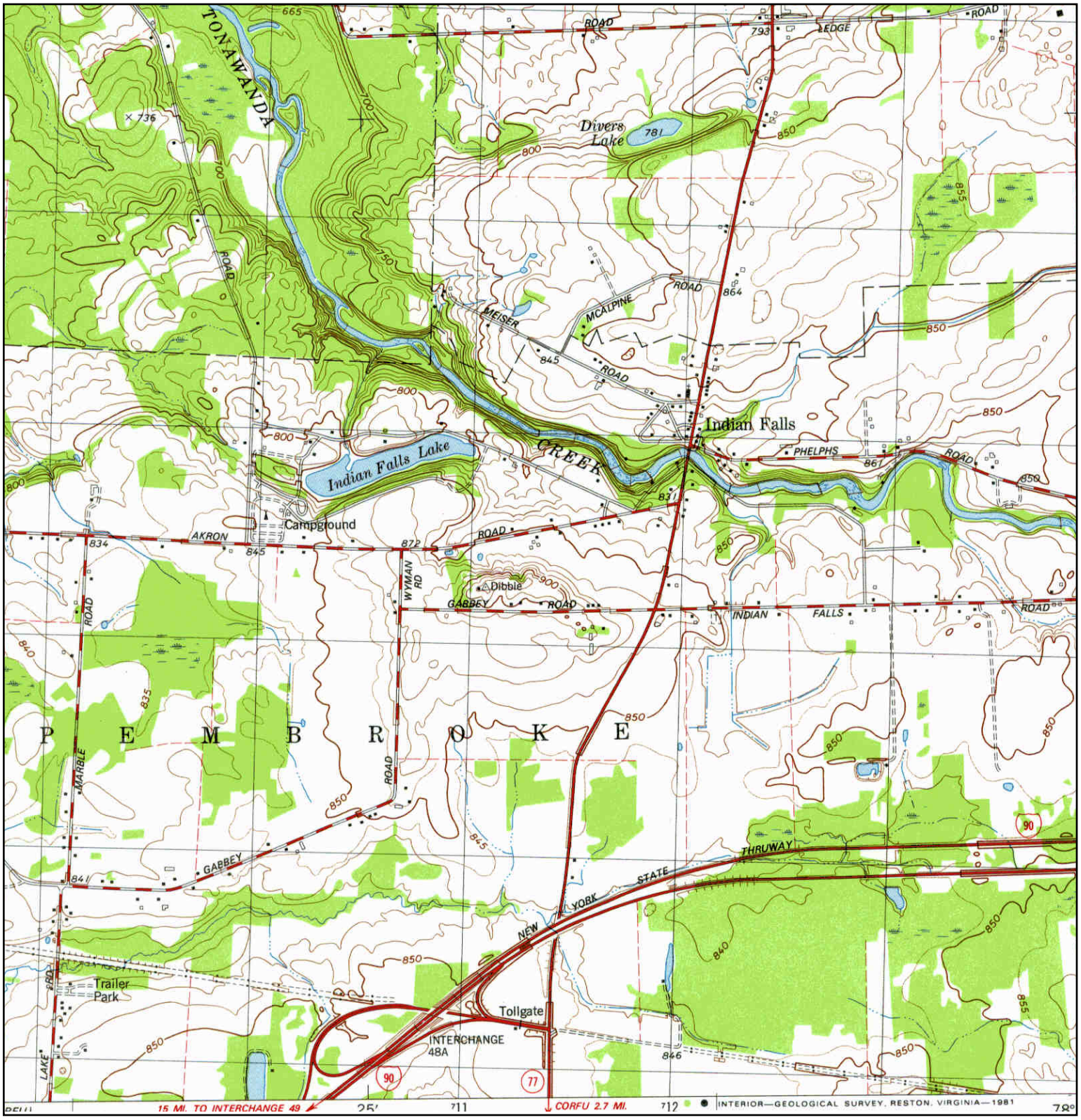
Historical Topographic Map



N

TARGET QUAD		SITE NAME:	1232 Indian Falls Road	CLIENT:	Great Lakes Environmental
NAME:	AKRON	ADDRESS:	1232 Indian Falls Road	CONTACT:	Danielle Bastian
MAP YEAR:	1951		Corfu, NY 14036	INQUIRY#:	4444330.4
SERIES:	7.5	LAT/LONG:	43.0207 / -78.3984	RESEARCH DATE:	10/21/2015
SCALE:	1:24000				

Historical Topographic Map



N	TARGET QUAD NAME: AKRON MAP YEAR: 1981 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 1232 Indian Falls Road ADDRESS: 1232 Indian Falls Road Corfu, NY 14036 LAT/LONG: 43.0207 / -78.3984	CLIENT: Great Lakes Environmental CONTACT: Danielle Bastian INQUIRY#: 4444330.4 RESEARCH DATE: 10/21/2015

APPENDIX D

CITY DIRECTORY

1232 Indian Falls Road
1232 Indian Falls Road
Corfu, NY 14036

Inquiry Number: 4444330.5
October 22, 2015

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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

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.

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.

Year	*Target Street*	*Cross Street*	*Source*
2013	☑	☐	Cole Information Services
2008	☑	☐	Cole Information Services
2003	☑	☐	Cole Information Services
1999	☑	☐	Cole Information Services
1995	☑	☐	Cole Information Services
1992	☐	☐	Cole Information Services

RECORD SOURCES

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

FINDINGS

TARGET PROPERTY STREET

1232 Indian Falls Road
Corfu, NY 14036

Year	*CD Image*	*Source*	
INDIAN FALLS RD			
2013	pg A1	Cole Information Services	
2008	pg A2	Cole Information Services	
2003	pg A3	Cole Information Services	
1999	pg A4	Cole Information Services	
1995	pg A5	Cole Information Services	
1992	-	Cole Information Services	Target and Adjoining not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	Cole Information Services

INDIAN FALLS RD 2013

1	PEMBROKE TRAVEL PLAZA
1232	LEROY VEENENDAAL
1254	OCCUPANT UNKNOWN
1279	OCCUPANT UNKNOWN
1293	BRIAN HALL
1305	JOHN CICHOCKI
1313	RANDY DIBBLE
1322	EDWARD NEAL
1376	PAUL LATURNER
1400	FRANCES LAPORTA
1405	RICHARD THOMPSON
1418	MAUREEN AUGUSTYN
1422	BRADLEY MEHOLICK
1438	CHRISTOPHER FANNING
1448	GEORGE CONDIV
1451	DONALD DYLAG
1473	GREG SVENHEIM
1474	PHILIP ONEILL
1486	CHAD MILEHAM
1493	JAMES KEMPISTY
1500	LU MILEHAM
1545	LINDA SIKORA

Target Street	Cross Street	Source
✓	-	Cole Information Services

INDIAN FALLS RD 2008

1232	CLIFFORD KEENE
1254	RENEE DYLAG
1279	DARRELL SMITH
1293	BRIAN HALL
1305	JOHN CICHOCKI
1313	RANDY DIBBLE
1322	EDWARD NEAL
1376	PAUL LATURNER
1400	FRANCES LAPORTA
1405	ROBERT THOMPSON
1418	MAUREEN AUGUSTYN
1422	BRADLEY MEHOLICK
1438	CASEY LUTTRELL
1448	WILLIAM CONIBEAR
1451	DONALD DYLAG
1473	GREG SVENHEIM
1474	PHILIP ONEILL
1486	EDWIN MILEHAM
1493	HENRY KEMPISTY
1500	EDWIN MILEHAM
1545	WILLIAM BELLES

Target Street	Cross Street	Source
✓	-	Cole Information Services

INDIAN FALLS RD 2003

1232	OCCUPANT UNKNOWN
1254	RENEE DYLAG
1279	DARRELL SMITH
1293	OCCUPANT UNKNOWN
1305	JOHN CICHOCKI
1313	OCCUPANT UNKNOWN
1400	OCCUPANT UNKNOWN
1405	OCCUPANT UNKNOWN
	RICHARD THOMPSON
1418	MAUREEN AUGUSTYN
1422	LINDA HORNER
1438	CASEY LUTTRELL
1448	OCCUPANT UNKNOWN
1451	OCCUPANT UNKNOWN
1473	OTTO COOK
1474	KATHLEEN WIATER
1486	OCCUPANT UNKNOWN
1493	OCCUPANT UNKNOWN
1500	OCCUPANT UNKNOWN
1545	CHARLES BALDWIN
	POVERTY HOLLOW FARM

Target Street	Cross Street	Source
✓	-	Cole Information Services

INDIAN FALLS RD 1999

1232	EVELYN SCHRIENER
1293	BRIAN HALL
1313	RANDY DIBBLE
1376	JANAE STINES
1400	JOSEPH LAPORTA
1405	RICHARD THOMPSON
1422	KENNETH HORNER
1448	EDWIN GRAHAM
1451	DONALD DYLAG
1473	OTTO COOK
1474	MARY WIATER
	PHILIP ONEILL
1486	EDWIN MILEHAM
1493	HENRY KEMPISTY
1500	EDWIN MILEHAM
1545	BALDWIN RONALD
	C JACKSON
	POVERTY HOLLOW FARM

Target Street	Cross Street	Source
✓	-	Cole Information Services

INDIAN FALLS RD 1995

0	PEMBROKE TRAVEL PLZ
1545	BALDWIN RONALD

APPENDIX E

FOIL REQUEST

New York State Department of Environmental Conservation
APPLICATION FOR ACCESS TO RECORDS
Pursuant to New York State Freedom of Information Law (FOIL)

Please complete all applicable fields

Records Requested

Whenever possible, please provide specific facility name(s), owner(s), address(es), permit/spill/PBS/incident number(s).

Any records pertaining to USTs, ASTs, contamination of groundwater or soil, environmental complaints or concerns relating to the property located at Longitude -78.3941 Lattitude 43.0188 on Indian Falls Road, in Pembroke, New York 14036.

Time Period for Records Sought

From _____ To: _____ Not Applicable: ☐

Requestor Contact Information

Name: Danielle Bastian Company (if applicable): Great Lakes Environmtntal

Phone: (716) 827-0700 Fax: (716) 824-4734 Email: dbastian@greatlakesenvironmental.com

Mailing Address 50 Ridge Rd Buffalo, NY 14218

Date Submitted: 10/22/15

Electronic copies preferred ☒

All requests must be in writing and may be submitted to the New York State Department of Environmental Conservation (NYSDEC) via:

Email: access.records@dec.ny.gov
Fax: (518) 402-9018
Mail: Records Access Officer
NYSDEC, 625 Broadway, Albany, NY 12233-1500
For more information go to http://www.dec.ny.gov/public/373.html

TOWN OF PEMBROKE

APPLICATION FOR PUBLIC ACCESS TO RECORDS

TO: RECORDS ACCESS OFFICER (585) 599-4892

AGENCY: TOWN OF PEMBROKE
1145 MAIN ROAD
CORFU, NEW YORK 14036

I HEREBY APPLY **TO INSPECT** THE FOLLOWING RECORD(S):

Any and all records for property located at Tax Map ID 10.-1-7. This property is located on Indian Falls Road, approximately 1/4 mile southeast of the intersection of Indian Falls Road and Alleghany Road.

I HEREBY **REQUEST COPIES** OF THE FOLLOWING RECORDS AT $.25 PER PAGE:

Danielle Bastian — 10/22/2015

Signature — Date

Danielle Bastian — dbastian@greatlakesenvironmental.com

Print Name — Email Address

Agency represented, if any: _____

Mailing Address: _____

APPENDIX F

ENVIRONMENTAL DATA RESOURCES REPORT
VAPOR ENCROACHMENT SCREEN

1232 Indian Falls Road
1232 Indian Falls Road
Corfu, NY 14036

Inquiry Number: 4444330.2s
October 21, 2015

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

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

TABLE OF CONTENTS

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

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) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1232 INDIAN FALLS ROAD
CORFU, NY 14036

COORDINATES

Latitude (North):	43.0207000 - 43° 1' 14.52''
Longitude (West):	78.3984000 - 78° 23' 54.24''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	711992.1
UTM Y (Meters):	4766183.5
Elevation:	862 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5938403 AKRON, NY
Version Date:	2013
Northeast Map:	5938427 OAKFIELD, NY
Version Date:	2013
Southeast Map:	5937929 ALEXANDER, NY
Version Date:	2013
South Map:	5938003 CORFU, NY
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20110511, 20110630
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1232 INDIAN FALLS ROAD
CORFU, NY 14036

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	TONAWANDA INDIAN RES		INDIAN RESERV	Same	4659, 0.882, NW
1	TRAVEL CENTER OF AME	8120 ALLEGHANY ROAD	LTANKS	Higher	1 ft.
2	TRAVEL CENTERS OF AM	8240 ALLEGHANY ROAD	LTANKS	Lower	53, 0.010, SW
A3	BUFFALO I-90 E AUTO	I 90 AND ROUTE 77	LTANKS	Lower	95, 0.018, SSW
A4	BFI TRUCKING	NYS THRUWAY @ ROUTE	NY Spills	Lower	132, 0.025, SSW
A5	TRAVEL AMERICA CENTE	ROUTE 77/NYS THRUWAY	NY Spills	Lower	147, 0.028, SSW
A6	48A DINER	ROUTE 77	NY Spills	Lower	147, 0.028, SSW
A7	TRUCK STOP OF AMERIC	ROUTE I90 EAST	NY Spills	Lower	147, 0.028, SSW
A8	NATIONAL AUTO TRUCK	NYS THRUWAY AUTO TRU	NY Spills	Lower	147, 0.028, SSW
A9	76 TRUCK STOP	ROUTE 77	NY Spills	Lower	147, 0.028, SSW
A10	BUFFALO I-90 TRUCKST	ROUTE 77	NY Spills	Lower	147, 0.028, SSW
11	NYS THRUWAY	MILE MARKER 396 WEST	NY Spills	Lower	149, 0.028, South
A12	TRAVEL CENTERS OF AM	ROUTE 77 AND I 90	NY Spills	Lower	157, 0.030, SSW
A13	TRAVEL CENTERS OF AM	8420 ALLEGHANY	NY Spills	Lower	222, 0.042, SSW
A14	TRAVEL CENTERS OF AM	8420 ALLEGHENY ROAD	NY Spills	Lower	222, 0.042, SSW
A15	TRAVEL CENTERS OF AM	8420 ALLEGHANY ROAD	LTANKS, NY Spills	Lower	222, 0.042, SSW
A16	TRAVEL CENTERS OF AM	8420 ALLEGANY ROAD	NY Spills	Lower	222, 0.042, SSW
A17	TA TRAVEL CENTER/SPE	8420 ALLEGHENY ROAD	NY Spills	Lower	222, 0.042, SSW
A18	TRAVEL CENTER OF AME	8420 ALLEGHANY RD	SPILLS 90	Lower	222, 0.042, SSW
A19	PEMBROKE TRAVEL CENT	8420 ALLEGHANY ROAD	UST, AST	Lower	222, 0.042, SSW
20	HAIGHT RESIDENCE	1254 INDIAN FALLS RO	NY Spills	Lower	356, 0.067, East
B21	BLACK'S GROCERY STOR	7936 ALLEGANY RD	LTANKS	Lower	384, 0.073, NNW
B22	DIBBLE BROS INC	7935 ALLEGHANY ROAD	NY Spills	Lower	455, 0.086, NNW
23	TRAVEL CENTER	8460 ALLEGHANY ROAD	LTANKS	Lower	1679, 0.318, SSW
24	FLYING J TRAVEL PLAZ	8484 ALLEGHENY ROAD	LTANKS, UST, NY Spills	Lower	2071, 0.392, SSW
C25	TRAVEL CENTERS OF AM	I-90 EXIT 48A	LTANKS	Higher	2438, 0.462, SSW
C26	NYS THRUWAY	NYS THRUWAY MM 397.4	LTANKS	Higher	2438, 0.462, SSW

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
CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System

Federal CERCLIS NFRAP site List

CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

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-SQG ---------- RCRA - Small Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

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 - equivalent CERCLIS

SHWS Inactive Hazardous Waste Disposal Sites in New York State
VAPOR REOPENED Vapor Intrusion Legacy Site List

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

SWF/LF Facility Register

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal institutional control / engineering control registries

RES DECL Restrictive Declarations Listing
ENG CONTROLS Registry of Engineering Controls
INST CONTROL Registry of Institutional Controls

State and tribal voluntary cleanup sites

VCP Voluntary Cleanup Agreements
INDIAN VCP Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS Brownfields Site List
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

SWRCY Registered Recycling Facility List

SWTIRE ..... Registered Waste Tire Storage & 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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... National Clandestine Laboratory Register
DEL SHWS ..... Delisted Registry Sites
US CDL ..... Clandestine Drug Labs

Local Lists of Registered Storage Tanks

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

Local Land Records

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
SPILLS 80 ..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR ..... RCRA - Non Generators / No Longer Regulated
FUDS ..... Formerly Used Defense Sites
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
PADS ..... PCB Activity Database System
ICIS ..... Integrated Compliance Information System
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

UMTRA ---------- Uranium Mill Tailings Sites
LEAD SMELTERS ---------- Lead Smelter Sites
US AIRS ---------- Aerometric Information Retrieval System Facility Subsystem
US MINES ---------- Mines Master Index File
FINDS ---------- Facility Index System/Facility Registry System
AIRS ---------- Air Emissions Data
COAL ASH ---------- Coal Ash Disposal Site Listing
DRYCLEANERS ---------- Registered Drycleaners
E DESIGNATION ---------- E DESIGNATION SITE LISTING
Financial Assurance ---------- Financial Assurance Information Listing
HSWDS ---------- Hazardous Substance Waste Disposal Site Inventory
MANIFEST ---------- Facility and Manifest Data
SPDES ---------- State Pollutant Discharge Elimination System
UIC ---------- Underground Injection Control Wells

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat ---------- EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners ---------- EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS ---------- Recovered Government Archive State Hazardous Waste Facilities List
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

State and tribal leaking storage tank lists

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 LTANKS list, as provided by EDR, and dated 08/17/2015 has revealed that there are 9

LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRAVEL CENTER OF AME Spill Number/Closed Date: 0004078 / 7/13/2000 Site ID: 99175 Program Number: 0004078	8120 ALLEGHANY ROAD	0 - 1/8 (0.000 mi.)	1	8
TRAVEL CENTERS OF AM Spill Number/Closed Date: 0613280 / 3/16/2007 Site ID: 378284 Program Number: 0613280	I-90 EXIT 48A	SSW 1/4 - 1/2 (0.462 mi.)	C25	72
NYS THRUWAY Spill Number/Closed Date: 8706803 / 3/18/1988 Site ID: 78419 Program Number: 8706803	NYS THRUWAY MM 397.4	SSW 1/4 - 1/2 (0.462 mi.)	C26	73

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRAVEL CENTERS OF AM Spill Number/Closed Date: 0105775 / 1/24/2008 Site ID: 273424 Program Number: 0105775	8240 ALLEGHANY ROAD	SW 0 - 1/8 (0.010 mi.)	2	9
BUFFALO I-90 E AUTO Spill Number/Closed Date: 9803070 / 11/5/1999 Site ID: 182068 Program Number: 9803070	I 90 AND ROUTE 77	SSW 0 - 1/8 (0.018 mi.)	A3	11
TRAVEL CENTERS OF AM Spill Number/Closed Date: 1205174 / 3/7/2013 Site ID: 468095 Program Number: 1205174	***8420 ALLEGHANY ROAD***	***SSW 0 - 1/8 (0.042 mi.)***	***A15***	***29***
BLACK'S GROCERY STOR Spill Number/Closed Date: 7680509 / 5/10/1976 Site ID: 243837 Program Number: 7680509	7936 ALLEGANY RD	NNW 0 - 1/8 (0.073 mi.)	B21	57
TRAVEL CENTER Spill Number/Closed Date: 0405365 / 12/24/2004 Site ID: 233267 Program Number: 0405365	8460 ALLEGHANY ROAD	SSW 1/4 - 1/2 (0.318 mi.)	23	59
FLYING J TRAVEL PLAZ Spill Number/Closed Date: 0105351 / 8/17/2001 Site ID: 247395 Program Number: 0105351	***8484 ALLEGHENY ROAD***	***SSW 1/4 - 1/2 (0.392 mi.)***	***24***	***60***

State and tribal registered storage tank lists

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 UST list, as provided by EDR, and dated 07/29/2015 has revealed that there is 1 UST

site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PEMBROKE TRAVEL CENT	***8420 ALLEGHANY ROAD***	***SSW 0 - 1/8 (0.042 mi.)***	***A19***	***44***
Id/Status:: 8-439231				

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the AST list, as provided by EDR, and dated 07/29/2015 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PEMBROKE TRAVEL CENT	***8420 ALLEGHANY ROAD***	***SSW 0 - 1/8 (0.042 mi.)***	***A19***	***44***
Facility Id: 8-439231				

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 08/17/2015 has revealed that there are 16 NY Spills sites within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BFI TRUCKING	NYS THRUWAY @ ROUTE	SSW 0 - 1/8 (0.025 mi.)	A4	12
Spill Number/Closed Date: 8500226 / 6/1/1986				
spillno: 8500226				
Site ID: 221522				
TRAVEL AMERICA CENTE	ROUTE 77/NYS THRUWAY	SSW 0 - 1/8 (0.028 mi.)	A5	13
Spill Number/Closed Date: 0507163 / 5/3/2006				
spillno: 0507163				
Site ID: 352509				
48A DINER	ROUTE 77	SSW 0 - 1/8 (0.028 mi.)	A6	14
Spill Number/Closed Date: 9200015 / 3/31/1992				
spillno: 9200015				
Site ID: 123958				
TRUCK STOP OF AMERIC	ROUTE I90 EAST	SSW 0 - 1/8 (0.028 mi.)	A7	15
Spill Number/Closed Date: 9812667 / 12/22/2008				
spillno: 9812667				
Site ID: 321962				
NATIONAL AUTO TRUCK	NYS THRUWAY AUTO TRU	SSW 0 - 1/8 (0.028 mi.)	A8	17
Spill Number/Closed Date: 9505288 / 3/17/2004				
spillno: 9505288				
Site ID: 159038				
76 TRUCK STOP	ROUTE 77	SSW 0 - 1/8 (0.028 mi.)	A9	18

Spill Number/Closed Date: 9001383 / 11/2/1992
spillno: 9001383
Site ID: 123957

BUFFALO I-90 TRUCKST | ROUTE 77 | SSW 0 - 1/8 (0.028 mi.) | A10 | 19
Spill Number/Closed Date: 8902322 / 6/6/1989
Spill Number/Closed Date: 0470056 / 5/6/2004
Spill Number/Closed Date: 9712469 / 11/28/2000
spillno: 0470056
spillno: 8902322
spillno: 9712469
Site ID: 123949
Site ID: 123956
Site ID: 123959

NYS THRUWAY | MILE MARKER 396 WEST | S 0 - 1/8 (0.028 mi.) | 11 | 23
Spill Number/Closed Date: 0400308 / 6/1/2004
spillno: 0400308
Site ID: 198494

TRAVEL CENTERS OF AM | ROUTE 77 AND I 90 | SSW 0 - 1/8 (0.030 mi.) | A12 | 24
Spill Number/Closed Date: 9970012 / 12/18/2000
spillno: 9970012
Site ID: 237651

TRAVEL CENTERS OF AM | 8420 ALLEGHANY | SSW 0 - 1/8 (0.042 mi.) | A13 | 25
Spill Number/Closed Date: 1411785 / 5/20/2015
spillno: 1411785
Site ID: 505583

TRAVEL CENTERS OF AM | 8420 ALLEGHENY ROAD | SSW 0 - 1/8 (0.042 mi.) | A14 | 28
Spill Number/Closed Date: 1301139 / 6/12/2013
spillno: 1301139
Site ID: 481510

TRAVEL CENTERS OF AM | 8420 ALLEGHANY ROAD | SSW 0 - 1/8 (0.042 mi.) | A15 | 29
Spill Number/Closed Date: 1406387 / 10/14/2014
Spill Number/Closed Date: 9806591 / 8/27/1998
Spill Number/Closed Date: 1402102 / 5/20/2015
Spill Number/Closed Date: 0500951 / 10/11/2005
Spill Number/Closed Date: 1100054 / 4/4/2011
spillno: 0500951
spillno: 0808161
spillno: 1100054
spillno: 1111317
spillno: 1212384
**Additional key fields are available in the Map Findings section*
Site ID: 344065
Site ID: 405539
Site ID: 447419
Site ID: 459209
Site ID: 475531
**Additional key fields are available in the Map Findings section*

TRAVEL CENTERS OF AM | 8420 ALLEGANY ROAD | SSW 0 - 1/8 (0.042 mi.) | A16 | 36
Spill Number/Closed Date: 1000550 / 5/1/2010
Spill Number/Closed Date: 1406922 / 5/20/2015
spillno: 1000550
spillno: 1406922
Site ID: 431719

Site ID: 500414

TA TRAVEL CENTER/SPE Spill Number/Closed Date: 1113155 / 2/21/2012 spillno: 1113155 Site ID: 461132	8420 ALLEGHENY ROAD	SSW 0 - 1/8 (0.042 mi.)	A17	39
HAIGHT RESIDENCE Spill Number/Closed Date: 9007542 / 11/29/1990 spillno: 9007542 Site ID: 118039	1254 INDIAN FALLS RO	E 0 - 1/8 (0.067 mi.)	20	55
DIBBLE BROS INC Spill Number/Closed Date: 9310700 / 12/9/1993 spillno: 9310700 Site ID: 142119	7935 ALLEGHANY ROAD	NNW 0 - 1/8 (0.086 mi.)	B22	58

SPILLS 90: 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.

A review of the SPILLS 90 list, as provided by EDR, and dated 12/14/2012 has revealed that there is 1 SPILLS 90 site within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRAVEL CENTER OF AME Status: ACTIVE Site Id: 1212384	8420 ALLEGHANY RD	SSW 0 - 1/8 (0.042 mi.)	A18	43

Other Ascertainable Records

INDIAN RESERV: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 INDIAN RESERV site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TONAWANDA INDIAN RES		NW 1/2 - 1 (0.882 mi.)	0	8

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

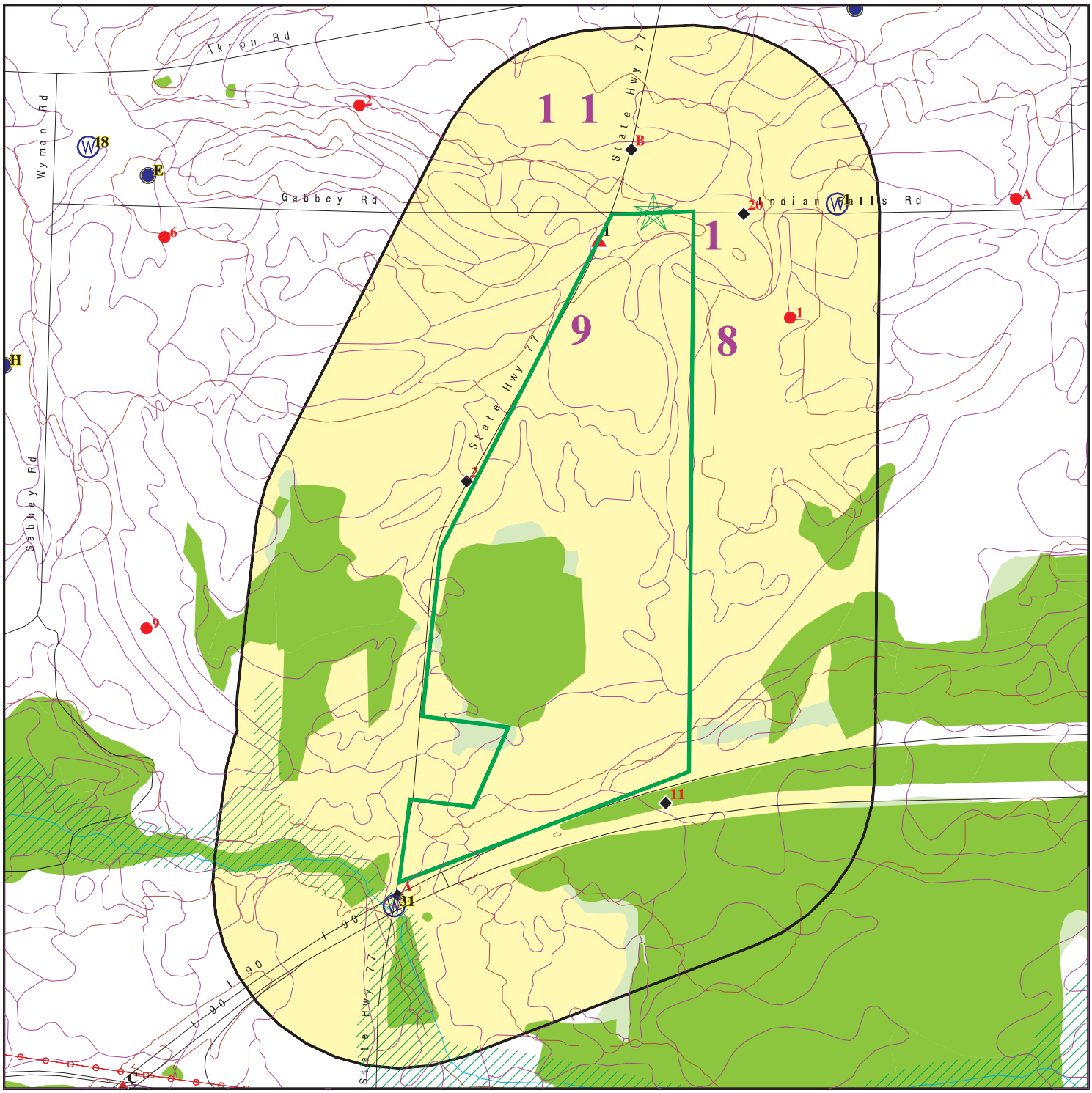
Site Name	Database(s)
TONOWANDA INDIAN RESERVATION, LF	CERC-NFRAP

OVERVIEW MAP - 4444330.2S

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:	1232 Indian Falls Road	CLIENT:	Great Lakes Environmental
ADDRESS:	1232 Indian Falls Road Corfu NY 14036	CONTACT:	Danielle Bastian
		INQUIRY #:	4444330.2s
LAT/LONG:	43.0207 / 78.3984	DATE:	October 21, 2015 12:42 pm

DETAIL MAP - 4444330.2S



0 1/8 1/4 1/2 Miles

- 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
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- 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: 1232 Indian Falls Road	CLIENT: Great Lakes Environmental
ADDRESS: 1232 Indian Falls Road Corfu NY 14036	CONTACT: Danielle Bastian
LAT/LONG: 43.0207 / 78.3984	INQUIRY #: 4444330.2s DATE: October 21, 2015 12:44 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								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
CERCLIS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
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
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
INDIAN LUST	0.500		0	0	0	NR	NR	0
LTANKS	0.500		5	0	4	NR	NR	9
HIST LTANKS	0.500		0	0	0	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
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
CBS UST	0.250		0	0	NR	NR	NR	0
MOSF UST	0.500		0	0	0	NR	NR	0
CBS	0.250		0	0	NR	NR	NR	0
MOSF	0.500		0	0	0	NR	NR	0
AST	0.250		1	0	NR	NR	NR	1
CBS AST	0.250		0	0	NR	NR	NR	0
MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
RES DECL	0.125		0	NR	NR	NR	NR	0
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
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								
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	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
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250		0	0	NR	NR	NR	0
HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
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		16	NR	NR	NR	NR	16
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
SPILLS 90	0.125		1	NR	NR	NR	NR	1
SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
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	1	NR	1
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
FINDS	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
E DESIGNATION	0.125		0	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HSWDS	0.500		0	0	0	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
SPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	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
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		0	24	0	4	1	0	29

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

IND RES **TONAWANDA INDIAN RESERVATION** **INDIAN RESERV** **CIND100214**
Region **N/A**
NW
1/2-1 **TONAWANDA INDIAN RESERVAT (County), NY**
4659 ft.

INDIAN RESERV:
Feature: Indian Reservation
Name: Tonawanda Indian Reservation
Agency: BIA
State: NY

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1 **TRAVEL CENTER OF AMERICA** **LTANKS** **S104621888**
8120 ALLEGHANY ROAD **N/A**
< 1/8 **PEMBROKE, NY**
1 ft.

LTANKS:

Relative: **Higher**

Actual: **867 ft.**

Site ID:	99175
Spill Number/Closed Date:	0004078 / 7/13/2000
Spill Date:	7/5/2000
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	7/13/2000
Cleanup Meets Standard:	True
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	7/5/2000
CID:	389
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	7/13/2000
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	7/5/2000
Spill Record Last Update:	1/18/2011
Spiller Name:	CALLER
Spiller Company:	TRAVEL CENTER OF AMERICA
Spiller Address:	8120 ALLEGHANY ROAD
Spiller City,St,Zip:	PEMBROKE, NY
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	8
DER Facility ID:	88167
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TH"07/13/2000: TH TELCON WITH TANKNOLOGY. AS FAR AS THEY KNOW THE REPAIRS ON THE SYSTEM ARE BEING DONE BY ANOTHER FIRM. UNSURE IF REPAIRS ARE COMPLETE OR IF A RE-TEST HAS BEEN PERFORMED.07/13/2000: TH ON SITE WITH ANDY GILBERT (MONROE MECHANICAL). TANK HAS BEEN UNCOVERED AND RETESTED - TEST PASSED AS PER GILBERT. NO EVIDENCE OF RELEASE. TIGHTNESS TEST RESULTS TO BE FORWARDED TO PBS UNIT.01/18/11: PAPER FILE REMOVED PER FILE RETENTION POLICY.
Remarks:	The caller is reporting a failed tank test on the ullage only.

TRAVEL CENTER OF AMERICA (Continued) **S104621888**

Material:

Site ID:	99175
Operable Unit ID:	826461
Operable Unit:	01
Material ID:	548829
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	99175
Spill Tank Test:	1525743
Tank Number:	006
Tank Size:	10000
Test Method:	99
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Alternate Test per 613.5a2v

2
SW
< 1/8
0.010 mi.
53 ft.

Relative:
Lower

Actual:
850 ft.

TRAVEL CENTERS OF AMERICA **LTANKS** **S105135411**
8240 ALLEGHANY ROAD **N/A**
PEMBROKE, NY

LTANKS:

Site ID:	273424
Spill Number/Closed Date:	0105775 / 1/24/2008
Spill Date:	8/29/2001
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1/24/2008
Cleanup Meets Standard:	False
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	8/29/2001
CID:	396
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	8/29/2001
Spill Record Last Update:	1/24/2008

TRAVEL CENTERS OF AMERICA (Continued) **S105135411**

Spiller Name:	DAVID PLUMMER
Spiller Company:	TRAVEL CENTERS OF AMERICA
Spiller Address:	24601 CENTER RIDGE RD
Spiller City,St,Zip:	WESTLAKE, OH 44145-5634
Spiller County:	999
Spiller Contact:	DAVID PLUMMER
Spiller Phone:	(440) 808-4431
Spiller Extention:	Not reported
DEC Region:	8
DER Facility ID:	222440
DEC Memo:	9/28/2001 TW PHONE CONVERSATION WITH FRANK KARBOSKI OF PLUMLEY ENGINEERING (315) 638-8587. REPAIRS WERE MADE AND THE SYSTEM WAS RETESTED AND PASSED. SOME CONTAMINATION WAS DISCOVERED AS A RESULT OF THE LEAK. PLUMLEY WILL SUBMIT AN INVESTIGATION PLAN TO NYSDEC TO REVIEW FOR THE FOLLOW UP WORK. 11/29/2001 PLUMLEY ENGINEERING SUBMITS SUBSURFACE INVESTIGATION REPORT.01/18/08 FINAL GROUNDWATER SAMPLING REPORT RECEIVED FROM PLUMLEY ENGINEERING. CONSISTENT DECREASE IN DISSOLVED CONTAMINENT LEVELS. ONLY MW-1 (AT SOURCE AREA) EXIBITS LEVELS ABOVE STANDARDS. THE FACILITY IS NOW CONNECTED TO PUBLIC WATER AND ON-SITE WELL HAS BEEN ABANDONED. NO FURTHER REMEDIAL ACTION OR MONITORING REQUIRED AT THIS TIME-CLOSED. 01/24/08 PAPER FILE REMOVED PER FILE RETENTION POLICY.
Remarks:	A LINE ON AN UNDERGROUND STORAGE TANK FAILED A PRESSURIZED PIPING TEST. THE LINE AND TANK HAVE BEEN TAKEN OUT-OF-SERVICE AND REPAIRS WILL BE MADE.

Material:

Site ID:	273424
Operable Unit ID:	842817
Operable Unit:	01
Material ID:	534229
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	273424
Spill Tank Test:	1526564
Tank Number:	2
Tank Size:	10000
Test Method:	99
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Alternate Test per 613.5a2v

A3
SSW
< 1/8
0.018 mi.
95 ft.

BUFFALO I-90 E AUTO TRK
I 90 AND ROUTE 77
CORFU, NY

Site 1 of 16 in cluster A

LTANKS **S103275030**
N/A

Relative:
Lower

Actual:
841 ft.

LTANKS:

Site ID:	182068
Spill Number/Closed Date:	9803070 / 11/5/1999
Spill Date:	6/9/1998
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	11/5/1999
Cleanup Meets Standard:	False
SWIS:	1942
Investigator:	PCLINDEN
Referred To:	Not reported
Reported to Dept:	6/9/1998
CID:	999
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	6/9/1998
Spill Record Last Update:	1/20/2011
Spiller Name:	GARY ROGERS
Spiller Company:	BUFFALO I-90 E AUTO TRK
Spiller Address:	I 90 AND ROUTE 77
Spiller City,St,Zip:	CORFU, ZZ
Spiller County:	001
Spiller Contact:	GARY ROGERS
Spiller Phone:	(716) 599-4577
Spiller Extention:	Not reported
DEC Region:	8
DER Facility ID:	152651
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "PL".01/20/11: PAPER FILE REMOVED PER FILE RETENTION POLICY.
Remarks:	WHILE TESTING NEW UPGRADED LINES TO 10,000 GALLON UNDERGROUND TANK, THE LINES FAILED A SYSTEM CHECK. THE LINES ARE TO BE CHECKED AND RE-TESTED. LINES RETESTED OK.

Material:

Site ID:	182068
Operable Unit ID:	1060895
Operable Unit:	01
Material ID:	321396
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

BUFFALO I-90 E AUTO TRK (Continued) **S103275030**

Tank Test:

Site ID:	182068
Spill Tank Test:	1545965
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

A4 **BFI TRUCKING** **NY Spills** **S102131412**
SSW **NYS THRUWAY @ ROUTE 77, N** **N/A**
< 1/8 **PEMBROKE, NY 14036**
0.025 mi.
132 ft. **Site 2 of 16 in cluster A**

Relative:
Lower

Actual:
840 ft.

SPILLS:

Facility ID:	8500226
Facility Type:	ER
DER Facility ID:	183202
Site ID:	221522
DEC Region:	8
Spill Date:	4/19/1985
Spill Number/Closed Date:	8500226 / 6/1/1986
Spill Cause:	Traffic Accident
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	4/19/1985
CID:	Not reported
Water Affected:	TRIB OF TONAWANDA CR
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	6/1/1986
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/8/1990
Spill Record Last Update:	3/20/2006
Spiller Name:	Not reported
Spiller Company:	B.F.I. TRUCKING
Spiller Address:	Not reported
Spiller City,St,Zip:	***UPDATE***, ZZ
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was " ".2004/02/19 - Spill_Time was previously blank and replaced with RCVD_Time to fix a data translation problem... Bob Corcoran. / / : NOTES: PAUL BARLEY, DIST MANAGER BFI. / / : CLEANUP ACTION: CECOS

BFI TRUCKING (Continued) **S102131412**

DOING CLEANUP. / / : CONTAINMENT ACTION: PLUG & DIKE APPLIED TO FILL PORT AND CAP.ABSORBENTH PLACED IN DITCH. 09/28/95: This is additional information about material spilled from the translation of the old spill file: DIESEL FUEL.03/20/06: PAPER FILE REMOVED PER FILE RETENTION POLICY.

Remarks: MOTOR VEHICLE ACCIDENT INVOLVING LEAKAGE VIA FUEL TANK FILL PORT AFTER BFI TRACTOR ROLLED OVER.

Material:

Tank Test:

A5 **TRAVEL AMERICA CENTER CIT** **NY Spills** **S107408906**
SSW **ROUTE 77/NYS THRUWAY** **N/A**
< 1/8 **PEMBROKE, NY**
0.028 mi.
147 ft. **Site 3 of 16 in cluster A**

Relative:
Lower

Actual:
840 ft.

SPILLS:

Facility ID:	0507163
Facility Type:	ER
DER Facility ID:	299806
Site ID:	352509
DEC Region:	8
Spill Date:	9/13/2005
Spill Number/Closed Date:	0507163 / 5/3/2006
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	CAHETTEN
Referred To:	Not reported
Reported to Dept:	9/13/2005
CID:	75
Water Affected:	N/A
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:	True
Remediation Phase:	0
Date Entered In Computer:	9/14/2005
Spill Record Last Update:	5/3/2006
Spiller Name:	MARK COPP
Spiller Company:	TRAVEL AMERICA TRUCK STOP
Spiller Address:	ROUTE 77/NYS THRUWAY
Spiller City,St,Zip:	PEMBROKE, NY -
Spiller Company:	001
Contact Name:	ADAM
Contact Phone:	Not reported
DEC Memo:	09/13/05: CH TELCON WITH NOTIFIER. LAST WEEK THE NOTIFIER USED GASOLINE DISPENSER #3 AND NOTICED THERE WAS A LEAK WHERE THE DISPENSER HOSE CONNECTS TO THE NOZZLE. HE MADE THE STATION AWARE OF IT AT THE TIME. TONIGHT HE STOPPED AT THE STATION AGAIN AND USED THE SAME PUMP AND IT WAS STILL LEAKING FROM THE SAME CONNECTION. HE AGAIN

TRAVEL AMERICA CENTER CIT (Continued) **S107408906**

NOTIFIED THE STATION.09/14/05: CH CALLS THE TRAVEL AMERICA TRUCK STOP AND SPEAKS WITH THE MANAGER, MARK COPP. CH RELAYS THE REPORT OF THE LEAKING NOZZLE AND REQUESTS IT BE REPAIRED. CH ADVISES COPP THE DEPARTMENT WILL DO A FOLLOW-UP INSPECTION TO ENSURE REPAIRS ARE MADE.05/03/2006 NO FURTHER ACTION IS NEEDED BY SPILLS AT THIS TIME.

Remarks: A SLOW LEAK FROM PUMP 3 WAS FIRST NOTED LAST WEEK. MATERIAL IS STILL DRIPPING. STATION WAS MADE AWARE OF THE SITUATION PRIOR TO NOTIFICATION. IT IS UNKNOWN IF THE PROBLEM IS FIXED.

Material:

Site ID:	352509
Operable Unit ID:	1110008
Operable Unit:	01
Material ID:	2100026
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A6 **48A DINER** **NY Spills** **S102127064**
SSW **ROUTE 77** **N/A**
< 1/8 **PEMBROKE, NY 14036**
0.028 mi.
147 ft. **Site 4 of 16 in cluster A**

Relative:
Lower

Actual:
840 ft.

SPILLS:

Facility ID:	9200015
Facility Type:	ER
DER Facility ID:	311386
Site ID:	123958
DEC Region:	8
Spill Date:	3/31/1992
Spill Number/Closed Date:	9200015 / 3/31/1992
Spill Cause:	Traffic Accident
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	VOLLMER
Referred To:	Not reported
Reported to Dept:	3/31/1992
CID:	Not reported
Water Affected:	ON LAND
Spill Source:	Commercial Vehicle
Spill Notifier:	Police Department
Cleanup Ceased:	3/31/1992
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

48A DINER (Continued) **S102127064**

Remediation Phase:	0
Date Entered In Computer:	4/6/1992
Spill Record Last Update:	3/17/2006
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	DISPATCHER NEWTON
Contact Phone:	(716) 343-5000
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BS".03/31/92: BILL SHUTTS INVESTIGATED. NO CLEANUP NECESSARY. NO FURTHER ACTION BY SPILLS. SPILLER UNKNOWN.03/17/06: PAPER FILE REMOVED PER FILE RETENTION POLICY.
Remarks:	PLATE #TY8451 (ONTARIO) AND 13501M (ONTARIO). TRUCK WENT OFF ROAD, SHEARED OFF TELEPHONE POLE. ABOUT 15 GAL SPILLED TO FIELD & SOAKED IN. CONTACT GENESEE CO SHERIFF FOR MORE INFO. CONTACT: DISP NEWTON.

Material:

Site ID:	123958
Operable Unit ID:	964120
Operable Unit:	01
Material ID:	414861
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A7 **TRUCK STOP OF AMERICA** **NY Spills** **S106719702**
SSW **ROUTE I90 EAST** **N/A**
< 1/8 **PEMBROKE, NY**
0.028 mi.
147 ft. **Site 5 of 16 in cluster A**

Relative:
Lower

Actual:
840 ft.

SPILLS:

Facility ID:	9812667
Facility Type:	ER
DER Facility ID:	259372
Site ID:	321962
DEC Region:	8
Spill Date:	1/13/1999
Spill Number/Closed Date:	9812667 / 12/22/2008
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	CAHETTEN
Referred To:	Not reported
Reported to Dept:	1/13/1999
CID:	233

TRUCK STOP OF AMERICA (Continued) **S106719702**

Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Tank Tester
Cleanup Ceased:	12/22/2008
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	1/13/1999
Spill Record Last Update:	1/20/2011
Spiller Name:	GARY ROGER
Spiller Company:	TRUCK STOP OF AMERICA
Spiller Address:	ROUTE I90 E PEMBROOK X38A
Spiller City,St,Zip:	PEMBROKE, NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CH"Spill originally sent to R9. It is in Genesee County. Bob Corcoran 01/14/99.01/20/99:CH TELECON W/ GARY ROGERS OF TRUCK STOP.HE SAYS TANKNOLOGY IS ON SITE DOING A HELIUM TEST ON LINE TO TRY AND IDENTIFY WHERE THE LINE IS LEAKING. THE SYSTEM, WHICH IS FOR THE 10,000 GALLON MID GRADE GASOLINE, HAS BEEN SHUT DOWN SINCE THE LINE TEST FAILED. TANK IS FIBERGLASS TANK WITH STEEL LINES.CONTACTS FOR TRAVEL COURTS OF AMERICA IN CHICAGO ARE: DAVE PLUMBER AND THE ENGINEER WALLY DOBSON.02/03/99:CH TELECON W/ JIM FROM L&O.HE SAYS DARIEN OSWALD IS THE ONE WHO WORKED ON THIS JOB.JIM SAYS ON JANUARY 28TH THEY UNCOVERED 5 FEET FROM THE SUMP AND DID NOT FIND ANY LEAK. ON 2/2/99 THEY UNCOVERED 25 FEET FROM THE SUMP AND PRESSURE TESTED THE LINE. THE LINED LEAKED, BUT THEY DID NOT SEE ANY LEAKS IN THE 25 FEET THEY HAD UNCOVERED.THERE IS ABOUT 300 FEET OF LINE BETWEEN THE ISLANDS AND THE TANKS. JIM BELIEVES THEY ARE GOING TO UPGRADE THE SITE IN THE NEAR FUTURE SO HE THINKS THEY WILL LEAVE THIS TANK OUT OF SERVICE AND PUT NEW LINES IN AT A LATER TIME.07/2/03: THE DEPT RECEIVES A LETTER FROM TRAVEL CENTERS OF AMERICA IN RESPONSE TO DEPT LETTER OF 6/03 REQUESTING FURTHER INFORMATION REGARDING LINE TEST FAILURE. LETTER REQUESTED REPAIR INFORMATION AND IF REPAIR INFO COULD NOT BE PROVIDED TA MUST PERFORM A SUBSURFACE INVESTIGATION. TA RESPONSE REFERRED TO A PREVIOUS LINE TEST THAT PASSED THE RETEST. THEIR RESPONSE DID NOT ADDRESS THE LINE FAILURE THAT OPENED THIS SPILL. FURTHER INVESTIGATION INTO THE LEAK MUST BE PERFORMED. 12/22/08: REVIEW OF FILE INDICATES ADDITIONAL SPILLS AT THE SITE. SPILL 0105775 RESULTED FROM A LINE TEST FAILURE. AN INVESTIGATION WAS PERFORMED AND A HOLE IN THE LINE WAS FOUND. REPAIRS WERE MADE AND A SUBSURFACE INVESTIGATION PERFORMED. SINCE THE O105775 SPILL WAS SUBSEQUENT TO THIS SPILL, THIS SPILL WILL BE REFERRED TO THE O105775 SPILL AND SUBSEQUENT INVESTIGATION. BASED ON THE INFORMATION IN THE 0105775 REPORTS, NO FURTHER ACTION IS NECESSARY. REFER TO SPILL 0105775 FOR ALL SUBSURFACE INVESTIGATION AND SAMPLING INFORMATION.01/20/11: PAPER FILE REMOVED PER FILE RETENTION POLICY.
Remarks:	AN UNDERGROUND TANK WAS TESTED AND SEEMS OK. HOWEVER, THE LINE WAS ISOLATED AND FAILED THE TEST. NO SIGNS OF GROSS LEAKAGE. THE NEXT STEP AT THIS POINT HAS NOT YET BEEN DETERMINED.

Material:

Site ID:	321962
Operable Unit ID:	1069913

TRUCK STOP OF AMERICA (Continued) **S106719702**

Operable Unit:	01
Material ID:	312946
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A8 **NATIONAL AUTO TRUCK CENTE** **NY Spills** **S102131798**
SSW **NYS THRUWAY AUTO TRUCK CT** **N/A**
< 1/8 **PEMBROKE, NY**
0.028 mi.
147 ft. **Site 6 of 16 in cluster A**

Relative:
Lower

Actual:
840 ft.

SPILLS:

Facility ID:	9505288
Facility Type:	ER
DER Facility ID:	134403
Site ID:	159038
DEC Region:	8
Spill Date:	7/28/1995
Spill Number/Closed Date:	9505288 / 3/17/2004
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	PRMILLER
Referred To:	Not reported
Reported to Dept:	7/28/1995
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Responsible Party
Cleanup Ceased:	3/17/2004
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/31/1995
Spill Record Last Update:	1/26/2011
Spiller Name:	Not reported
Spiller Company:	NATIONAL AUTO TRUCK STOP
Spiller Address:	SAME
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "PM"07/28/95: REPORT TO BE FORWARDED TO DEC FOR EVALUATION. MILLER TO

NATIONAL AUTO TRUCK CENTE (Continued) **S102131798**

FOLLOW-UP. 08/17/95: RECEIVED SAMPLE RESULTS FROM MONITORING WELL. CONTAMINANT LEVELS DO NOT SIGNIFICANTLY EXCEED GUIDEANCE VALUES. NO FURTHER ACTION NECESSARY AT THIS TIME. CLOSE.03/17/2004: FOLLOW UP ON THIS SPILL UNDER SPILL 9812667. 01/26/11: PAPER FILE REMOVED PER FILE RETENTION POLICY.

Remarks: PHASE II ENVIRONMENTAL REPORT; THREE WELLS WERE INSTALLED. ONE WELL SHOWED LOW LEVELS OF BENZENE. CONTACT: GARY ROGERS 716--599-4577 OR JOHN FRARY 615-783-2614

Material:

Site ID:	159038
Operable Unit ID:	1020191
Operable Unit:	01
Material ID:	363282
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A9 **76 TRUCK STOP** **NY Spills** **S102126441**
SSW **ROUTE 77** **N/A**
< 1/8 **PEMBROKE, NY**
0.028 mi.
147 ft. **Site 7 of 16 in cluster A**

Relative:
Lower

Actual:
840 ft.

SPILLS:

Facility ID:	9001383
Facility Type:	ER
DER Facility ID:	284012
Site ID:	123957
DEC Region:	8
Spill Date:	5/4/1990
Spill Number/Closed Date:	9001383 / 11/2/1992
Spill Cause:	Traffic Accident
Spill Class:	Not reported
SWIS:	1900
Investigator:	PRMILLER
Referred To:	Not reported
Reported to Dept:	5/5/1990
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	5/5/1990
Cleanup Meets Std:	True
Last Inspection:	11/2/1992
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/8/1990

76 TRUCK STOP (Continued) **S102126441**

Spill Record Last Update:	11/16/1992
Spiller Name:	Not reported
Spiller Company:	SOUTHWEST MOTOR FREIGHT
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "PM"05/05/90: P. MILLER TELCON W/TROOPER TORRES, TRACTOR TRAILER HAD PUNCTURED FUEL TANK THAT WAS UNDETECTED AT TIME OF ACCIDENT. TRUCK TOWED TO TRUCK STOP & TRUCK LEAKED OVERNIGHT. SOME WENT INTO STORM SEWER. 05/05/90: P. MILLER TELCON W/JEFF FISHER, SLIGHT RAINBOW SHEEN IN DRAINAGE DITCH LEADING AWAY FROM PROPERTY. TRUCKING CO FIXING LEAK IN TANK. SPEEDY DRY HAS BEEN PLACED ON OIL ON BLACKTOP. 05/05/90: MR. FISHER WILL PUT BOOM IN DRAINAGE DITCH TO COLLECT ANY OIL.
Remarks:	TRAFFIC ACCIDENT, TRACTOR TRAILER JACKNIFED, STATE POLICE ON SCENE. OIL SPILLED ON LAND & SEWER. TROOPER TORRES 716-896-2525. SW MOTOR FREIGHT CONTACT TIM BLAIR 800-251-1040.

Material:

Site ID:	123957
Operable Unit ID:	939697
Operable Unit:	01
Material ID:	439727
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A10
SSW
< 1/8
0.028 mi.
147 ft.

BUFFALO I-90 TRUCKSTOP **NY Spills** **S102128761**
ROUTE 77 **N/A**
PEMBROKE, NY

Site 8 of 16 in cluster A

Relative:
Lower

Actual:
840 ft.

SPILLS:

Facility ID:	8902322
Facility Type:	ER
DER Facility ID:	284012
Site ID:	123956
DEC Region:	8
Spill Date:	6/5/1989
Spill Number/Closed Date:	8902322 / 6/6/1989
Spill Cause:	Traffic Accident
Spill Class:	Not reported
SWIS:	1900
Investigator:	MAGER
Referred To:	Not reported
Reported to Dept:	6/5/1989

BUFFALO I-90 TRUCKSTOP (Continued) **S102128761**

CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Police Department
Cleanup Ceased:	6/6/1989
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/8/1989
Spill Record Last Update:	8/1/1993
Spiller Name:	Not reported
Spiller Company:	DAY TRUCKING
Spiller Address:	Not reported
Spiller City,St,Zip:	ELMA, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DM"06/06/89: GCHD PUT DOWN SORBENT PADS & BOOM. SPILLER TO HIRE CLEANUP CONTRACTOR.
Remarks:	TRACTOR TRAILER ACCIDENT.

Material:

Site ID:	123956
Operable Unit ID:	929772
Operable Unit:	01
Material ID:	450031
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0470056
Facility Type:	ER
DER Facility ID:	398851
Site ID:	123949
DEC Region:	8
Spill Date:	5/5/2004
Spill Number/Closed Date:	0470056 / 5/6/2004
Spill Cause:	Housekeeping
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	5/5/2004
CID:	Not reported

BUFFALO I-90 TRUCKSTOP (Continued) **S102128761**

Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	5/6/2004
Cleanup Meets Std:	True
Last Inspection:	5/6/2004
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/5/2004
Spill Record Last Update:	1/4/2011
Spiller Name:	TOM GRIFFIN
Spiller Company:	BUFFALO I-90 TRUCKSTOP
Spiller Address:	ROUTE 77
Spiller City,St,Zip:	PEMBROKE, NY
Spiller Company:	001
Contact Name:	TOM GRIFFIN
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TH"05/06/2004: HALL INSPECTS SITE WITH ECO BOB DOE AND TOM GRIFFIN. NO EVIDENCE OF UNLAWFULL DISPOSAL OF SLUDGES. HOUSEKEEPING PRACTICES AT FACILITY ARE ACCEPTABLE. TWO O/W SEPARATORS (8000 GALLON FOR LOT RUNOFF AND 2000 GALLON FOR SERVICE BAYS) DISCHARGE TO DRAINAGE SWALE AND ARE PERMITTED. SEPARATORS ARE CLEANED REGULARLY BY ENVIRONMENTAL CONTRACTOR. NOCO COLLECTS ALL WASTE ENGINE FLUIDS FROM THE FACILITY.01/04/11: PAPER FILE REMOVED PER FILE RETENTION POLICY.
Remarks:	CALLER WHO WISHES TO BE ANONYMOUS, STATES THAT AN OIL/WATER SEPARATOR SLUDGE TANK (6'BY 6'BY 4') IS BEING CLEANED. SLUDGE CONTENTS IS BEING PLACED IN A DRAINAGE DITCH ON THE SOUTHEAST CORNER OF THE PROPERTY. THE DITCH IS THEN BEING COVERED WITH #2 STONE. CALLER ALSO STATES THAT TRAILERS ARE BEING WASHED IN THE SAME BAY AREA. CHECK ON SANITARY SEWER CONNECTION. COPY TO LAW ENFORCEMENT.

Material:

Site ID:	123949
Operable Unit ID:	890968
Operable Unit:	01
Material ID:	485712
Material Code:	0043A
Material Name:	antifreeze
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	123949
Operable Unit ID:	890968
Operable Unit:	01
Material ID:	485711
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No

BUFFALO I-90 TRUCKSTOP (Continued) **S102128761**

Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9712469
Facility Type:	ER
DER Facility ID:	284012
Site ID:	123959
DEC Region:	8
Spill Date:	2/8/1998
Spill Number/Closed Date:	9712469 / 11/28/2000
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1900
Investigator:	MFZAMIAR
Referred To:	Not reported
Reported to Dept:	2/8/1998
CID:	371
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Police Department
Cleanup Ceased:	11/28/2000
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/8/1998
Spill Record Last Update:	11/28/2000
Spiller Name:	Not reported
Spiller Company:	AIR PRODUCTS CANADA
Spiller Address:	2090 STEELES AVENUE EAST
Spiller City,St,Zip:	BRAMPTON ONTARIO, NN
Spiller Company:	039
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MZ"11/28/00: UPON REVIEW, NO FURTHER ACTION REQUIRED AT THIS TIME BY NYSDEC SPILL UNIT.
Remarks:	MZ phoned Hornell at 1825 hrs. Driver came out of truckstop and found valve on truck had partially opened, which allowed liquid nitrogen to escape and vaporize. No further action needed.

Material:

Site ID:	123959
Operable Unit ID:	1058752
Operable Unit:	01
Material ID:	327070
Material Code:	1279A
Material Name:	N2 (nitrogen)
Case No.:	Not reported
Material FA:	Other
Quantity:	200

BUFFALO I-90 TRUCKSTOP (Continued) **S102128761**

Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

11
South
< 1/8
0.028 mi.
149 ft.

Relative:
Lower

Actual:
839 ft.

NYS THRUWAY **NY Spills** **S106384708**
MILE MARKER 396 WESTBOUND **N/A**
BATAVIA, NY

SPILLS:
Facility ID: 0400308
Facility Type: ER
DER Facility ID: 165205
Site ID: 198494
DEC Region: 8
Spill Date: 4/9/2004
Spill Number/Closed Date: 0400308 / 6/1/2004
Spill Cause: Traffic Accident
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 1924
Investigator: TGHALL
Referred To: Not reported
Reported to Dept: 4/9/2004
CID: 406
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Police Department
Cleanup Ceased: 6/1/2004
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 4/9/2004
Spill Record Last Update: 6/23/2004
Spiller Name: Not reported
Spiller Company: SNYDER NATIONAL CARRIERS
Spiller Address: 20TH STREET TANDEM CENTER
Spiller City,St,Zip: OTTOWA, IL 61350
Spiller Company: 001
Contact Name: SERGEANT CAFABELLA
Contact Phone: (800) 635-8856
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TH"EP&S FROM BUFFALO HAS BEEN HIRED TO PERFORM CLEANUP OF THE SPILL. CONTACT FOR EP&S IS RON HUNTINGTON 716-870-4271.06/01/2004: C&W ENVIRONMENTAL (AKA EP&S BUFFALO) COMPLETED CLEANUP, DISPOSAL AND RESTORATION WORK FOR SNYDER CARRIERS. NO FURTHER ACTION REQUIRED BY SPILLS UNIT AT THIS TIME-CLOSED.
Remarks: Material is still in the median at the location of the accident. No cleanup of the materiel has happened yet. Snyder should be making the call for a cleanup crew.

NYS THRUWAY (Continued) **S106384708**

Material:
Site ID: 198494
Operable Unit ID: 882510
Operable Unit: 01
Material ID: 495089
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 175
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

A12
SSW
< 1/8
0.030 mi.
157 ft.

TRAVEL CENTERS OF AMERICA **NY Spills** **S103935964**
ROUTE 77 AND I 90 **N/A**
PEMBROKE, NY

Site 9 of 16 in cluster A

Relative:
Lower

Actual:
840 ft.

SPILLS:
Facility ID: 9970012
Facility Type: ER
DER Facility ID: 195743
Site ID: 237651
DEC Region: 8
Spill Date: 4/6/1999
Spill Number/Closed Date: 9970012 / 12/18/2000
Spill Cause: Unknown
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 1942
Investigator: TGHALL
Referred To: Not reported
Reported to Dept: 4/6/1999
CID: Not reported
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: True
Remediation Phase: 0
Date Entered In Computer: 4/6/1999
Spill Record Last Update: 1/19/2011
Spiller Name: Not reported
Spiller Company: COOK OIL/TRAVEL CENTERS
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 001
Contact Name: Not reported

TRAVEL CENTERS OF AMERICA (Continued) **S103935964**

Contact Phone: Not reported
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TH"05/10/99: DEPARTMENT RECEIVES SITE ASSESSMENT / SCOPE OF WORK FOR SITE. ASSESSMENT WILL CONSIST OF SOIL BORINGS AND SOIL/GROUNDWATER ANALYSIS. EXCAVATED SOILS WILL BE CHARACTERIZED FOR DISPOSAL AT LANDFILL. FOLLOWUP REPORT TO BE FORWARDED TO DEPARTMENT.11/09/2000: CLOSURE REPORT RECEIVED. NO FURTHER ACTION REQUIRED - CLOSED.01/19/11: PAPER FILE REMOVED PER FILE RETENTION POLICY.
Remarks: DURING UPGRADE AROUND THE CANOPY, CONTAMINATED SOIL WAS ENCOUNTERED. AREA IS APPROXIMATELY 200 FEET FROM TANKS.

Material:
Site ID: 237651
Operable Unit ID: 1090475
Operable Unit: 01
Material ID: 290757
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False
Site ID: 237651
Operable Unit ID: 1090475
Operable Unit: 01
Material ID: 290758
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

A13
SSW
< 1/8
0.042 mi.
222 ft.

TRAVEL CENTERS OF AMERICA **NY Spills** **S117851248**
8420 ALLEGHANY **N/A**
CORFU, NY 14036

Site 10 of 16 in cluster A

Relative:
Lower

Actual:
839 ft.

SPILLS:
Facility ID: 1411785
Facility Type: ER
DER Facility ID: 450301
Site ID: 505583
DEC Region: 8
Spill Date: 3/14/2015
Spill Number/Closed Date: 1411785 / 5/20/2015
Spill Cause: Equipment Failure
Spill Class: Known release that creates potential for fire or hazard. DEC Response.

TRAVEL CENTERS OF AMERICA (Continued) **S117851248**

	Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	3/17/2015
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Other
Cleanup Ceased:	3/27/2015
Cleanup Meets Std:	False
Last Inspection:	3/18/2015
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/17/2015
Spill Record Last Update:	5/21/2015
Spiller Name:	KELLY GELSKE
Spiller Company:	TRAVEL CENTERS OF AMERICA
Spiller Address:	8420 ALLEGHENY ROAD
Spiller City,St,Zip:	CORFU, NY 14036
Spiller Company:	999
Contact Name:	KELLY GELSKE
Contact Phone:	4408087406
DEC Memo:	03/17/2015: FOLLOWING E-MAIL RECEIVED FROM KELLY GELSKE AT 16:24.Tom, I wanted to make you aware of an issue we're having with one of the diesel tanks at our Pembroke site. Tank 005 on our PBS Certificate (#3 on our ATG console) has taken on over 6000 gallons of water in the past several days. Our tank contractor, Scott Tyler Mechanical, was onsite first thing yesterday a.m. and found a loose ATG probe cap and assumed this was the source of the water - as you know groundwater in that tank pit is pretty high, and this probe riser in not in a contained sump. With the recent snow melt we thought we'd found the source of the water intrusion. Today we had a pump truck at the site to remove the water. But since removal, water continues to increase in this tank. At one point it was approximated at 1/2" in about 30 minutes. This is fairly significant inflow of water. Scott Tyler was able to look inside a manway into the tank and saw NO evidence of water intrusion at the surface. No visible drips, no audible dripping noises, no ripples on the fuel surface. He is confident that it is not a tank top fitting that is allowing water in, since 1/2" per 30 minutes would look/sound pretty significant coming in from the tank top. The tank is shut down, the site is only fueling on tanks 1 and 2 (numbers on ATG). We are going to test the tanks on Friday. If the test fails i will call the hotline and report a release and we can move forward from there with closure/assessment. Does this sound acceptable to you, or should i report this now as a "suspected release"?03/17/2014: TH DIRECTS KELLY GELSKE TO REPORT SPILL. FILE #1411785 GENERATED.03/18/2015: TH ON SITE AT 10:00 WITH FACILITY MANAGER (MIKE). APPARENTLY, WATER WAS FIRST NOTICED AT 10:00 HRS ON 03/14/2015 WHEN SEVERAL DIESEL TRUCKS DISPENSED WATER TO THEIR SADDLE TANKS. THE TANK WAS STUCK AND 4" OF WATER WAS RECORDED AT THAT TIME. THE TANK WAS ISOLATED AND THE LINES WERE CLEARED. THE DIESEL PRODUCT WAS TRANSFERRED TO OTHER TANKS ON 03/17/2015. APPROXIMATELY 6,600 GALLONS OF WATER WAS PUMPED FROM THE TANK BY EGGAN EQUIPMENT (ROME, NY). 03/20/2015: FOLLOWING E-MAIL RECEIVED FROM KELLY GELSKE AT 17:23.Tom, just a quick update. Our subcontracted tester failed to

TRAVEL CENTERS OF AMERICA (Continued) **S117851248**

keep their scheduled test today and couldnt reschedule until next friday. Here are some updates on what we found today and our plans going forward: 1) Water in the tank pit is down a bit and once it dropped a few inches below top of tank the water ingress suddenly stopped. We're now assuming that the leak is somewhere at the top of the tank. While it could be an actual tank wall leak up high, it's more likely the buried manway seal has rotted and the water was coming in and streaming down the tank walls (which would explain why we heard no drips inside the tank). 2) Scott Tyler excavated down around the vent risers to ensure that there was no damage to the vent piping. Found no evidence of damage, further supporting our assessment that the vent piping is not the source of water into the tank. 3) Scott Tyler will return on Tuesday to excavate the far end of the tank top and uncover the buried manway as well as the vent line entry into the tank. This will allow him to inspect the seal on the manway and replace if necessary. It will also allow him to isolate the vent piping from the tank when we test it (instead of testing the entire tank and vent riser to the top of the riser as one unit). Any other fittings he encounters after removing the concrete will also be checked for potential leaks. All of this construction work is being done proactively here (since we now have time before testing) to try and eliminate as many possible leak points as possible prior to testing. Our hope is this will result in a passing tank test. Rather than fail the test first and then uncover and look for leaks after. 4) On Friday the testers will test the tank. If it passes (assuming Scott Tyler found some obvious repairs during evaluation of the tank top fittings/manway) we will prepare to put it back in service. If it fails, we will have another contractor enter the tank for an internal inspection to see if we can identify the failure point. We will either opt to close the tank in place and assess subsurface conditions, or we may choose to install Tank Tech's Phoenix double-walled tank lining which is approved for use by NYSDEC. I can provide more details if we get to that point. It is essentially a new tank build inside the shell of the old one, and the interstice is monitored with a sensor for leak detection03/27/2015: FOLLOWING E-MAIL RECEIVED FROM KELLY GELSKE AT 15:33:Good afternoon Tom. Not sure if you've been on site today and heard, but the tank tested tight. Scott Tyler was able to uncover the back half of the tank yesterday and located the vent piping where it entered the tank and removed it. This allowed for an isolated tank test rather than testing the entire tank/vent as one complete system. The tank held tight. But turns out the vent piping wont hold pressure at all. So looks like that was the culprit all along and it was groundwater seeping through the surface soil and snowmelt entering the vent piping break/hole that let water into the tank. Scott Tyler will provide me a quote to install new vent piping for that tank and should be able to complete the work next week to get us back up and running.05/20/2015: TANK TIGHTNESS TEST REPORT RECEIVED FROM KELLY GELSKE. TEST WAS PERFORMED BY C.A. NORRIS ON 03/27/2015. TANK TESTED TIGHT. NO FURTHER ACTION IS ANTICIPATED BY SPILLS UNIT AT THIS TIME-CLOSED.

Remarks: Water intrusion into tank # 005. Tom Hall Aware of same.

Material:
Site ID: 505583
Operable Unit ID: 1254890
Operable Unit: 01
Material ID: 2257558

TRAVEL CENTERS OF AMERICA (Continued) **S117851248**

Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A14
SSW
< 1/8
0.042 mi.
222 ft.

Relative:
Lower

Actual:
839 ft.

TRAVEL CENTERS OF AMERICA **NY Spills** **S113493678**
8420 ALLEGHENY ROAD **N/A**
CORFU, NY 14036

Site 11 of 16 in cluster A

SPILLS:

Facility ID:	1301139
Facility Type:	ER
DER Facility ID:	436783
Site ID:	481510
DEC Region:	8
Spill Date:	5/3/2013
Spill Number/Closed Date:	1301139 / 6/12/2013
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	5/3/2013
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Responsible Party
Cleanup Ceased:	6/12/2013
Cleanup Meets Std:	True
Last Inspection:	5/8/2013
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/3/2013
Spill Record Last Update:	10/8/2013
Spiller Name:	KELLY GELSKE
Spiller Company:	TRAVEL CENTERS OF AMERICA
Spiller Address:	8420 ALLEGHENY ROAD
Spiller City,St,Zip:	PEMBROKE, NY
Spiller Company:	999
Contact Name:	KELLY GELSKE
Contact Phone:	(440) 808-7406
DEC Memo:	05/03/2013: TH RECEIVES PHONE MESSAGE FROM KELLY GELSKE AT 14:45. THE LEAK DETECTOR ON THE PREMIUM LINE TRIPPED AND WAS REPLACED AND TRIPPED AGAIN. THE LINE WAS THEN TESTED AND FAILED TIGHTNESS TEST. THE LINE HAS BEEN TAKEN OUT OF SERVICE. PRIMETIME IS ON SITE

TRAVEL CENTERS OF AMERICA (Continued) **S113493678**

DIAGNOSING PROBLEM. SAIC (ENVIRONMENTAL CONSULTANT) HAS BEEN CONTACTED.05/07/2013: E-MAIL RECEIVED FROM KELLY GELSKE AT 13:22. A LEAK HAS BEEN IDENTIFIED ON A SECTION OF STEEL PIPING WITHIN A CONCRETE CONTAINMENT/TRANSITION SUMP. THE PRODUCT WILL BE BLOWN BACK TO THE TANK AND THE SUMP WILL BE REMOVED TO FACILITATE REPAIRS. SAIC WILL BE ON SITE TO SAMPLE SOILS AND ASSESS NEED FOR FURTHER INVESTIGATION/REMEDIATION.06/12/2013: CORRECTIVE ACTION REPORT RECEIVED FROM SAIC. THE DEFECTIVE STEEL PIPE SECTION HAS BEEN REPLACED WITH NON-METALIC FLEX PIPE. A NEW SUMP HAS BEEN INSTALLED. APPROXIMATELY 12 TONS OF CONTAMINATED SOIL WAS REMOVED AND WILL BE DISPOSED OF PROPERLY. CONFIRMATORY SOIL SAMPLES INDICATE THAT NO FURTHER INVESTIGATION OR REMEDIATION IS REQUIRED AT THIS TIME. FILE CLOSED.09/26/2013: DISPOSAL DOCUMENTATION FOR 17.27 TONS OF CONATMINATED SOIL RECEIVED IN SPILLS UNIT.

Remarks: Caller advised showing a possible leak in the line at the pump. No fuel has been detected that has leaked out of the secondary containment. Clean up is pending.

Material:

Site ID:	481510
Operable Unit ID:	1231279
Operable Unit:	01
Material ID:	2230009
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A15 **TRAVEL CENTERS OF AMERICA** **LTANKS** **S106868379**
SSW **8420 ALLEGHANY ROAD** **NY Spills** **N/A**
< 1/8 **CORFU, NY 14036**
0.042 mi.
222 ft. **Site 12 of 16 in cluster A**

Relative:
Lower

Actual:
839 ft.

LTANKS:

Site ID:	468095
Spill Number/Closed Date:	1205174 / 3/7/2013
Spill Date:	8/22/2012
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	3/7/2013
Cleanup Meets Standard:	True
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	8/22/2012
CID:	Not reported
Water Affected:	Not reported

TRAVEL CENTERS OF AMERICA (Continued) **S106868379**

Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/22/2012
Spill Record Last Update:	6/28/2013
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller County:	Not reported
Spiller Contact:	MIKE STABELL
Spiller Phone:	(585) 599-4577
Spiller Extention:	3
DEC Region:	8
DER Facility ID:	354785
DEC Memo:	08/22/2012: PRIMETIME HAS BEEN HIRED AND HAS BROKEN CONCRETE AND IS ON SITE INVESTIGATING POTENTIAL RELEASE. ANY SOIL THAT IS EXCAVATED WILL BE STAGED ON POLY FOR LATER DISPOSAL. THE FACILITY IS SCHEDULED FOR A COMPLETE DIESEL ISLAND, PIPING, AND TANK TOP UPGRADE IN OCTOBER. 08/23/2012: PRIMETIME REPLACES THE MAIN LINE FROM THE DIESEL TANKS WITH A TEMPORARY SINGLE WALL FIBERGLASS LINE. A PERMANENT REPLACEMENT WILL BE INSTALLED DURING UPGRADE WORK.03/07/2013: UST UPGRADE AND SPILL CLOSURE REPORT RECEIVED FROM SAIC. DURING COMPLETE DIESEL DISPENSER AND PIPING UPGRADE WORK BETWEEN THE PERIOD OF OCTOBER 1, 2012 AND DECEMBER 28, 2012, 1,371 TONS OF DIESEL IMPACTED SOIL WERE REMOVED. APPROXIMATELY 130,000 GALLONS OF CONTAMINATED WATER (GENERATED BY DE-WATERING ACTIVITIES MAINLY IN THE TANK FIELD) WAS TREATED AND DISCHARGED UNDER A STIPULATION AGREEMENT. CONFIRMATORY SOIL SAMPLES FROM THE IMPACTED AREAS ARE WITHIN CP-51 GUIDANCE FOR COMMERCIAL PROPERTIES. NO FURTHER ACTION IS REQUIRED AT THIS TIME. FILE CLOSED.
Remarks:	CALLER STATES THAT WHILE PERFORMING A LINE TEST ON DIESEL LINE THAT COMES FROM 3- 20,000 GALLON UNDERGROUND TANKS FAILED. CA NORRIS AND PRIMETIME TO MAKE REPAIRS.

Material:

Site ID:	468095
Operable Unit ID:	1218027
Operable Unit:	01
Material ID:	2216385
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

TRAVEL CENTERS OF AMERICA (Continued) **S106868379**

SPILLS:

Facility ID:	1406387
Facility Type:	ER
DER Facility ID:	49472
Site ID:	499853
DEC Region:	8
Spill Date:	9/15/2014
Spill Number/Closed Date:	1406387 / 10/14/2014
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	9/15/2014
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	DEC
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:	9/15/2014
Spill Record Last Update:	10/14/2014
Spiller Name:	KELLY GELSKE
Spiller Company:	TRAVEL CENTERS OF AMERICA
Spiller Address:	24601 CENTER RIDGE ROAD
Spiller City,St,Zip:	WESTLAKE, OH 44145
Spiller Company:	999
Contact Name:	MIKE STUBEL
Contact Phone:	(585) 599-4577
DEC Memo:	10/14/2014: EMAIL AND PHOTOS RECEIVED FROM T/A (KELLY GELSKE). SUMPS HAVE BEEN CLEANED OUT AND PBS VIOLATION FOR NOT MAINTAINING SUMPS HAS BEEN CORRECTED. NO FURTHER ACTION IS ANTICIPATED BY SPILLS UNIT AT THIS TIME-CLOSED.
Remarks:	WHILE PERFORMING A PBS INSPECTION, DIESEL PRODUCT WAS IDENTIFIED IN THE TANK TOP SUMPS FOR TANKS #5 AND #6. GASOLINE PRODUCT WAS IDENTIFIED IN DISPENSER SUMPS #17 AND #18 AS WELL AS IN THE TRANSITION SUMPS FOR THE GASOLINE PIPING.

Material:

Site ID:	499853
Operable Unit ID:	1249262
Operable Unit:	01
Material ID:	2250825
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

TRAVEL CENTERS OF AMERICA (Continued) **S106868379**

Site ID:	499853
Operable Unit ID:	1249262
Operable Unit:	01
Material ID:	2250824
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9806591
Facility Type:	ER
DER Facility ID:	195443
Site ID:	237223
DEC Region:	8
Spill Date:	8/27/1998
Spill Number/Closed Date:	9806591 / 8/27/1998
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	TPWALSH
Referred To:	Not reported
Reported to Dept:	8/27/1998
CID:	270
Water Affected:	ON LAND
Spill Source:	Commercial Vehicle
Spill Notifier:	Police Department
Cleanup Ceased:	8/27/1998
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/27/1998
Spill Record Last Update:	3/17/2006
Spiller Name:	Not reported
Spiller Company:	YOUNGBLOOD TRUCKLINE
Spiller Address:	6630 HENDERSONVILLE ROAD
Spiller City,St,Zip:	FLETCHER, NC 28732-8615
Spiller Company:	001
Contact Name:	DISPT DIEGLEMAN
Contact Phone:	(716) 343-5000
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TW".SPILL IMPACTED ASPHALT. THE FIRE DEPARTMENT CONTAINED AND ABSORBED THE SPILL WITH SPEEDI DRY. THE SPILLER IS HIRING A CLEANUP CONTRACTOR. NO FURTHER ACTION NECESSARY. 03/17/06: PAPER FILE REMOVED PER FILE RETENTION POLICY.
Remarks:	UNATTENDED TRACTOR TRAILER ROLLED INTO ANOTHER VEHICLE RUPTURING ITS TANK. DEPUTY FERRANDO RESPONDED (CASE #98-10461). DT LEFT A MESSAGE

TRAVEL CENTERS OF AMERICA (Continued) **S106868379**

WITH DEPUTY FERRANDO TO CALL THE DEPARTMENT BACK. THE DEPUTY SAYS THE SPILL IMPACTED ASPHALT. THE FIRE DEPARTMENT CONTAINED AND ABSORBED THE SPILL WITH SPEEDI DRY. THE SPILLER IS HIRING A CLEANUP CONTRACTOR.
Not reported

Material:

Site ID:	237223
Operable Unit ID:	1067818
Operable Unit:	01
Material ID:	317743
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	110
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1402102
Facility Type:	ER
DER Facility ID:	49472
Site ID:	495409
DEC Region:	8
Spill Date:	5/28/2014
Spill Number/Closed Date:	1402102 / 5/20/2015
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	5/29/2014
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Other
Cleanup Ceased:	5/20/2015
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/29/2014
Spill Record Last Update:	5/21/2015
Spiller Name:	Not reported
Spiller Company:	TRAVEL CENTERS OF AMERICA
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	KELLY
Contact Phone:	Not reported
DEC Memo:	01/20/2015: SITE INVESTIGATION/GASOLINE PRODUCT PIPING REPORT

TRAVEL CENTERS OF AMERICA (Continued) **S106868379**

RECEIVED FROM LEIDOS (FILED UNDER SPILL #1406922). STEEL LINES ARE ABANDONED AND REPLACED WITH DOUBLE WALLED FIBERGLASS PIPING. SOILS ARE SAMPLED EVERY 20' (18 TOTAL LOCATIONS) PER DEPARTMENT LINE ABANDONMENT GUIDANCE. MINOR IMPACTED ARE IDENTIFIED HOWEVER, SAMPLE RESULTS ARE WITHIN COMMERCIAL PROPERTY GUIDANCE VALUES. 05/20/2015: E-MAIL FROM KELLY GELSKE STATES THAT THE NEW LINES WERE PRESSURE TESTED PRIOR TO BEING PUT INTO SERVICE. NO FURTHER ACTION IS ANTICIPATED BY SPILLS UNIT AT THIS TIME.

Remarks: FAILED LINE TEST AND INVESTIGATION UNDERWAY.

Material:

Site ID:	495409
Operable Unit ID:	1244915
Operable Unit:	01
Material ID:	2245811
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0500951
Facility Type:	ER
DER Facility ID:	290683
Site ID:	344065
DEC Region:	8
Spill Date:	4/22/2005
Spill Number/Closed Date:	0500951 / 10/11/2005
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	4/22/2005
CID:	409
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	8/3/2005
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/22/2005
Spill Record Last Update:	1/4/2011
Spiller Name:	JERRY ROGERS
Spiller Company:	TRAVEL CENTERS OF AMERICA
Spiller Address:	8420 ALLEGHANY

TRAVEL CENTERS OF AMERICA (Continued) **S106868379**

Spiller City,St,Zip:	CORFU, NY 14036
Spiller Company:	001
Contact Name:	JERRY ROGERS
Contact Phone:	(585) 599-4577
DEC Memo:	09/27/2005: SPILL RESPONSE REPORT RECEIVED FROM PLUMLEY ENGINEERING. 34.34 TONS OF CONTAMINATED SOIL WAS REMOVED FROM THE SWALE AND DISPOSED OF AT ENSOL. CONFIRMATORY SAMPLE RESULTS WITHIN TAGM 4046 GUIDENCE. NO FURTHER ACTION REQUIRED BY SPILLS UNIT AT THIS TIME-CLOSED.01/04/11: PAPER FILE REMOVED PER FILE RETENTION POLICY.
Remarks:	THERE WAS OILY WATER IN THE DITCH BECAUSE THE SEPERATOR BACKED UP, SPILLING APPROXIMATELY 10 GALLONS OF MOTOR OIL. THEY ARE PUMPING THE DITCH OUT.

Material:

Site ID:	344065
Operable Unit ID:	1102719
Operable Unit:	01
Material ID:	582941
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1100054
Facility Type:	ER
DER Facility ID:	402036
Site ID:	447419
DEC Region:	8
Spill Date:	4/2/2011
Spill Number/Closed Date:	1100054 / 4/4/2011
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	DBDAKE
Referred To:	Not reported
Reported to Dept:	4/2/2011
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	4/2/2011
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/2/2011

TRAVEL CENTERS OF AMERICA (Continued) **S106868379**

Spill Record Last Update:	4/4/2011
Spiller Name:	JODI DEEP
Spiller Company:	SUPERIOR PLUS
Spiller Address:	BROOKS AVENUE
Spiller City,St,Zip:	ROCHESTER, NY
Spiller Company:	999
Contact Name:	JODI DEEP
Contact Phone:	(315) 527-2901
DEC Memo:	4/2/11: DD TELECON WITH JODI DEEP AT 1615 HOURS - VERY MINOR SPILL - TRUCK HAD SMALL LEAK IN HOSE THAT WAS FOUND DURING A DELIVERY. REPAIRS MADE TO HOSE, APPROX. 8-OUNCES DRIPPED ONTO ASPHALT AND WAS IMMEDIATELY CLEANED UP. BASED ON INFORMATION PROVIDED, NO FURTHER ACTIONS REQUIRED BY SPILLS UNIT/SPILL FILE CLOSED.
Remarks:	1613 THE CALLER ADVISED DISPATCH THE SPILL WAS DUE TO FAULTY HOSE LINE. THREE OUNCES SPILLED TOTAL. ASPHALT HAS BEEN IMPACTED. CLEAN UP HAS BEEN CONDUCTED.

Material:

Site ID:	447419
Operable Unit ID:	1197575
Operable Unit:	01
Material ID:	2193884
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.25
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

A16
SSW
< 1/8
0.042 mi.
222 ft.

TRAVEL CENTERS OF AMERICA **NY Spills** **S110308024**
8420 ALLEGANY ROAD **N/A**
CORFU, NY 14036

Site 13 of 16 in cluster A

Relative:
Lower

Actual:
839 ft.

SPILLS:

Facility ID:	1000550
Facility Type:	ER
DER Facility ID:	380702
Site ID:	431719
DEC Region:	8
Spill Date:	4/14/2010
Spill Number/Closed Date:	1000550 / 5/1/2010
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	tghall
Referred To:	Not reported

TRAVEL CENTERS OF AMERICA (Continued) **S110308024**

Reported to Dept:	4/14/2010
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	5/1/2010
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/14/2010
Spill Record Last Update:	11/16/2010
Spiller Name:	KELLI GELSKE
Spiller Company:	TRAVEL CENTERS OF AMERICA
Spiller Address:	8420 ALLEGANY
Spiller City,St,Zip:	CORFU, NY 14036
Spiller Company:	999
Contact Name:	KELLI GELSKE
Contact Phone:	(440) 808-7406
DEC Memo:	04/14/2010: CALLER STATES THAT FLEX HOSE ON DISPENSER #3 UNDER THE SATELLITE DEVELOPED A LEAK AND APPROXIMATELY 5 GALLONS WAS SPILLED TO GRAVEL BENEATH DISPENSER. DISPENSER HAS BEEN TAKEN OUT OF SERVICE. CONTRACTOR TO BE HIRED TO CLEAN UP. RECEIVED CALL BACK SAYING THAT PETROLEUM SERVICES IS GOING TO REPAIR DISPENSER.
Remarks:	CALLER REPORTS THAT UNDER DISPENSER #3 A LEAK WAS FOUND ALTHOUGH AN INSPECTION WAS PERFORMED THIS WEEKEND. NO CONTAINMENT SYSTEM. SPILL WAS TO GRAVEL AND IS CONTAINED. CLEANUP PENDING.

Material:

Site ID:	431719
Operable Unit ID:	1183190
Operable Unit:	01
Material ID:	2177393
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1406922
Facility Type:	ER
DER Facility ID:	455421
Site ID:	500414
DEC Region:	8
Spill Date:	10/1/2014
Spill Number/Closed Date:	1406922 / 5/20/2015
Spill Cause:	Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

TRAVEL CENTERS OF AMERICA (Continued) **S110308024**

SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	10/1/2014
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Other
Cleanup Ceased:	5/20/2015
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/1/2014
Spill Record Last Update:	5/21/2015
Spiller Name:	KELLY GELSKE
Spiller Company:	TRAVEL CENTERS OF AMERICA
Spiller Address:	8420 ALLEGANY
Spiller City,St,Zip:	CORFU, NY
Spiller Company:	999
Contact Name:	KELLY GELSKE
Contact Phone:	(440) 808-7406
DEC Memo:	10/01/2014: CALLER STATES THAT LINE FAILURE WAS NOTED DURING TEST. LINE TO THE PREMIUM AND MIDGRADE. UNIT SHUT DOWN. PIPING TO BE REPLACED AND RETESTED.01/20/2015: SITE INVESTIGATION/GASOLINE PRODUCT PIPING REPORT RECEIVED FROM LEIDOS. STEEL LINES ARE ABANDONED AND REPLACED WITH DOUBLE WALLED FIBERGLASS PIPING. SOILS ARE SAMPLED EVERY 20' (18 TOTAL LOCATIONS) PER DEPARTMENT LINE ABANDONMENT GUIDANCE. MINOR IMPACTED ARE IDENTIFIED HOWEVER, SAMPLE RESULTS ARE WITHIN COMMERCIAL PROPERTY GUIDANCE VALUES. 05/20/2015: E-MAIL FROM KELLY GELSKE STATES THAT THE NEW LINES WERE PRESSURE TESTED PRIOR TO BEING PUT INTO SERVICE. NO FURTHER ACTION IS ANTICIPATED BY SPILLS UNIT AT THIS TIME.
Remarks:	LINE TEST FAILURE. INVESTIGATION ONGOING.

Material:

Site ID:	500414
Operable Unit ID:	1249822
Operable Unit:	01
Material ID:	2251450
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A17
SSW
< 1/8
0.042 mi.
222 ft.

TA TRAVEL CENTER/SPECIAL METALS CORP.
8420 ALLEGHENY ROAD
PEMBROKE, NY 14036

Site 14 of 16 in cluster A

NY Spills **S111458501**
N/A

Relative:
Lower

Actual:
839 ft.

SPILLS:

Facility ID:	1113155
Facility Type:	ER
DER Facility ID:	415608
Site ID:	461132
DEC Region:	8
Spill Date:	2/19/2012
Spill Number/Closed Date:	1113155 / 2/21/2012
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	2/19/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	2/21/2012
Cleanup Meets Std:	True
Last Inspection:	2/19/2012
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/19/2012
Spill Record Last Update:	2/28/2012
Spiller Name:	Not reported
Spiller Company:	SPECIAL METALS CORP.
Spiller Address:	Not reported
Spiller City,St,Zip:	NEW HARTFORD, NY
Spiller Company:	999
Contact Name:	ED MILEHAM
Contact Phone:	(585) 356-4636
DEC Memo:	2/19/12 LINDENFELSER REC'D CALL AND CONTACTED ASST FC ED MILEHAM WHO SAID THAT A LEASED TRACTOR TRAILER (PENSKE TRUCK LEASING) OPERATED BY SPECIAL METALS CORP (DRIVER: KEVIN HOLLIS) RAN OVER A BARRIER BOULDER AT TRUCKSTOP CAUSING ONE SADDLE TANK TO BE RIPPED OFF AND THE OTHER PUNCTURED; DIESEL FLOWED ON PAVEMENT PAST THE TRUCK SCALES DOWN A CONCRETE GUTTER TO A REED DRAINAGE DITCH; MILEHAM HAD BOOM LAID IN DITCH AND HAD THE DPW DROP A LOAD OF SAND TO CONTAIN FURTHER RUNOFF ON PAVEMENT; IT WAS AGREED THAT WITH STABILIZATION OF SITE, NO IMMEDIATE DEC RESPONSE WAS REQUIRED; PL ALSO SPOKE BY PHONE WITH LISA TOAL (TA GEN MGR) AND ROBERT PORGESS (TA ENV. SPEC.- OHIO) WHO DECIDED THAT TA WOULD HIRE CONTRACTOR FOR CLEANUP AS SPECIAL METALS INNOCENTLY STRUCK AN OBSTACLE ON TA'S PROPERTY: THE BOULDER HAD ORIGINALLY BECOME ENTRAINED UNDER THE TRAILER OF ANOTHER TRUCK AND WAS DRAGGED THROUGH THE PARKING LOT UNTIL IT SHOOK FREE NEAR THE TRUCKSTOP ENTRANCE.2/19/12 LINDENFELSER ARRIVED AT SITE ~1400 HRS MEETING KBH'S ROBERT STURM AND JULIO KILGORE; THEY SAID THEY HAD LAID DOWN A 3RD SET OF SORBENT PADS IN THE REED CHOKED RT 77 DRAINAGE DITCH NORTH OF THE ENTRANCE: UP TO 60' OF ~10' WIDE DITCH WAS AFFECTED AND CONTAINED BY SORBENT BOOM; PL ASKED THAT THEY REMOVE THE

TA TRAVEL CENTER/SPECIAL METALS CORP. (Continued) **S111458501**

NUMEROUS BLACK, SATURATED PADS AND PUT DOWN FRESH BEFORE THEY LEAVE; BECAUSE THE REED STUBBLE PREVENTED COMPLETE PADDING PL ASKED THAT THEY HOE OUT THE STUBBLE SO OIL COULD BE MORE EFFECTIVELY ABSORBED FROM OPEN WATER; LIKEWISE PL ASKED THE SAME BE DONE FOR THE ~30' OF PARKING LOT DRAINAGE DITCH; THEY WILL MAKE ARRANGEMENTS TO BRING OUT A BACKHOE IN THE NEXT DAY OR SO; PL ADVISED THAT THEY COULD DO THEIR PLANNED FLUSH OF THE AFFECTED SITE CATCH BASIN ONCE THEY CLEAR THE REEDS;KBH PROVIDED THE NAME OF TRUCKING FIRM THAT LEFT THE BOULDER IN THE TRAVEL LANE: MARTEN TRANSPORT, 129 MARTEN ST., MONDOVI, WI 54755 (800-395-3000)(DRIVER: WARD TOWELL JENKINS)02/21/2012: TH SPOKE TO HEATHER KING (KBH) AT 14:15. THE CLEANUP HAS BEEN COMPLETED. EXCAVATION LIMITS HAVE BEEN CONFIRMED USING A PID METER. DISPOSAL DOCUMENTATION WILL BE FORWARDED TO SPILLS UNIT. NO FURTHER ACTION REQUIRED AT THIS TIME-CLOSED.

Remarks: Saddle Tank fell off of Tractor Trailer and spilled its contents.

Material:

Site ID:	461132
Operable Unit ID:	1211226
Operable Unit:	01
Material ID:	2208933
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1113155
Facility Type:	ER
DER Facility ID:	415608
Site ID:	461132
DEC Region:	8
Spill Date:	2/19/2012
Spill Number/Closed Date:	1113155 / 2/21/2012
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	2/19/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	2/21/2012
Cleanup Meets Std:	True
Last Inspection:	2/19/2012
Recommended Penalty:	False
UST Trust:	False

TA TRAVEL CENTER/SPECIAL METALS CORP. (Continued) **S111458501**

Remediation Phase:	0
Date Entered In Computer:	2/19/2012
Spill Record Last Update:	2/28/2012
Spiller Name:	Not reported
Spiller Company:	SPECIAL METALS CORP.
Spiller Address:	Not reported
Spiller City,St,Zip:	NEW HARTFORD, NY
Spiller Company:	999
Contact Name:	LISA TOAL
Contact Phone:	585-599-4578
DEC Memo:	2/19/12 LINDENFELSER REC'D CALL AND CONTACTED ASST FC ED MILEHAM WHO SAID THAT A LEASED TRACTOR TRAILER (PENSKE TRUCK LEASING) OPERATED BY SPECIAL METALS CORP (DRIVER: KEVIN HOLLIS) RAN OVER A BARRIER BOULDER AT TRUCKSTOP CAUSING ONE SADDLE TANK TO BE RIPPED OFF AND THE OTHER PUNCTURED; DIESEL FLOWED ON PAVEMENT PAST THE TRUCK SCALES DOWN A CONCRETE GUTTER TO A REED DRAINAGE DITCH; MILEHAM HAD BOOM LAID IN DITCH AND HAD THE DPW DROP A LOAD OF SAND TO CONTAIN FURTHER RUNOFF ON PAVEMENT; IT WAS AGREED THAT WITH STABILIZATION OF SITE, NO IMMEDIATE DEC RESPONSE WAS REQUIRED; PL ALSO SPOKE BY PHONE WITH LISA TOAL (TA GEN MGR) AND ROBERT PORGESS (TA ENV. SPEC.- OHIO) WHO DECIDED THAT TA WOULD HIRE CONTRACTOR FOR CLEANUP AS SPECIAL METALS INNOCENTLY STRUCK AN OBSTACLE ON TA'S PROPERTY: THE BOULDER HAD ORIGINALLY BECOME ENTRAINED UNDER THE TRAILER OF ANOTHER TRUCK AND WAS DRAGGED THROUGH THE PARKING LOT UNTIL IT SHOOK FREE NEAR THE TRUCKSTOP ENTRANCE.2/19/12 LINDENFELSER ARRIVED AT SITE ~1400 HRS MEETING KBH'S ROBERT STURM AND JULIO KILGORE; THEY SAID THEY HAD LAID DOWN A 3RD SET OF SORBENT PADS IN THE REED CHOKED RT 77 DRAINAGE DITCH NORTH OF THE ENTRANCE: UP TO 60' OF ~10' WIDE DITCH WAS AFFECTED AND CONTAINED BY SORBENT BOOM; PL ASKED THAT THEY REMOVE THE NUMEROUS BLACK, SATURATED PADS AND PUT DOWN FRESH BEFORE THEY LEAVE; BECAUSE THE REED STUBBLE PREVENTED COMPLETE PADDING PL ASKED THAT THEY HOE OUT THE STUBBLE SO OIL COULD BE MORE EFFECTIVELY ABSORBED FROM OPEN WATER; LIKEWISE PL ASKED THE SAME BE DONE FOR THE ~30' OF PARKING LOT DRAINAGE DITCH; THEY WILL MAKE ARRANGEMENTS TO BRING OUT A BACKHOE IN THE NEXT DAY OR SO; PL ADVISED THAT THEY COULD DO THEIR PLANNED FLUSH OF THE AFFECTED SITE CATCH BASIN ONCE THEY CLEAR THE REEDS;KBH PROVIDED THE NAME OF TRUCKING FIRM THAT LEFT THE BOULDER IN THE TRAVEL LANE: MARTEN TRANSPORT, 129 MARTEN ST., MONDOVI, WI 54755 (800-395-3000)(DRIVER: WARD TOWELL JENKINS)02/21/2012: TH SPOKE TO HEATHER KING (KBH) AT 14:15. THE CLEANUP HAS BEEN COMPLETED. EXCAVATION LIMITS HAVE BEEN CONFIRMED USING A PID METER. DISPOSAL DOCUMENTATION WILL BE FORWARDED TO SPILLS UNIT. NO FURTHER ACTION REQUIRED AT THIS TIME-CLOSED.
Remarks:	Saddle Tank fell off of Tractor Trailer and spilled its contents.

Material:

Site ID:	461132
Operable Unit ID:	1211226
Operable Unit:	01
Material ID:	2208933
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported

TA TRAVEL CENTER/SPECIAL METALS CORP. (Continued) **S111458501**

Oxygenate: False

Tank Test:

Facility ID:	1113155
Facility Type:	ER
DER Facility ID:	415608
Site ID:	461132
DEC Region:	8
Spill Date:	2/19/2012
Spill Number/Closed Date:	1113155 / 2/21/2012
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	2/19/2012
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	2/21/2012
Cleanup Meets Std:	True
Last Inspection:	2/19/2012
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/19/2012
Spill Record Last Update:	2/28/2012
Spiller Name:	Not reported
Spiller Company:	SPECIAL METALS CORP.
Spiller Address:	Not reported
Spiller City,St,Zip:	NEW HARTFORD, NY
Spiller Company:	999
Contact Name:	ROB PORGESS
Contact Phone:	440-570-1395
DEC Memo:	2/19/12 LINDENFELSER REC'D CALL AND CONTACTED ASST FC ED MILEHAM WHO SAID THAT A LEASED TRACTOR TRAILER (PENSKE TRUCK LEASING) OPERATED BY SPECIAL METALS CORP (DRIVER: KEVIN HOLLIS) RAN OVER A BARRIER BOULDER AT TRUCKSTOP CAUSING ONE SADDLE TANK TO BE RIPPED OFF AND THE OTHER PUNCTURED; DIESEL FLOWED ON PAVEMENT PAST THE TRUCK SCALES DOWN A CONCRETE GUTTER TO A REED DRAINAGE DITCH; MILEHAM HAD BOOM LAID IN DITCH AND HAD THE DPW DROP A LOAD OF SAND TO CONTAIN FURTHER RUNOFF ON PAVEMENT; IT WAS AGREED THAT WITH STABILIZATION OF SITE, NO IMMEDIATE DEC RESPONSE WAS REQUIRED; PL ALSO SPOKE BY PHONE WITH LISA TOAL (TA GEN MGR) AND ROBERT PORGESS (TA ENV. SPEC.- OHIO) WHO DECIDED THAT TA WOULD HIRE CONTRACTOR FOR CLEANUP AS SPECIAL METALS INNOCENTLY STRUCK AN OBSTACLE ON TA'S PROPERTY: THE BOULDER HAD ORIGINALLY BECOME ENTRAINED UNDER THE TRAILER OF ANOTHER TRUCK AND WAS DRAGGED THROUGH THE PARKING LOT UNTIL IT SHOOK FREE NEAR THE TRUCKSTOP ENTRANCE.2/19/12 LINDENFELSER ARRIVED AT SITE ~1400 HRS MEETING KBH'S ROBERT STURM AND JULIO KILGORE; THEY SAID THEY HAD LAID DOWN A 3RD SET OF SORBENT PADS IN THE REED CHOKED RT 77 DRAINAGE DITCH NORTH OF THE ENTRANCE: UP TO 60' OF ~10' WIDE DITCH WAS AFFECTED AND CONTAINED BY SORBENT BOOM; PL ASKED THAT THEY REMOVE THE

TA TRAVEL CENTER/SPECIAL METALS CORP. (Continued) **S111458501**

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Remarks: Saddle Tank fell off of Tractor Trailer and spilled its contents.

Material:

Site ID:	461132
Operable Unit ID:	1211226
Operable Unit:	01
Material ID:	2208933
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A18 **TRAVEL CENTER OF AMERICA** **SPILLS 90** **S112395083**
SSW **8420 ALLEGHANY RD** **N/A**
< 1/8 **CORFU, NY**
0.042 mi.
222 ft. **Site 15 of 16 in cluster A**

Relative:
Lower

Actual:
839 ft.

Spills:

Status:	ACTIVE
Contact Name:	Not reported
Contact Phone:	Not reported
Site ID:	1212384
Secondary ID:	475531
Cross Street:	Not reported
County:	GENESEE
Longitude:	0
Latitude:	0
Elevation:	Not reported

A19 **PEMBROKE TRAVEL CENTER** **UST** **U004107631**
SSW **8420 ALLEGHANY ROAD** **AST** **N/A**
< 1/8 **CORFU, NY 14036**
0.042 mi.
222 ft. **Site 16 of 16 in cluster A**

Relative:
Lower

Actual:
839 ft.

UST:

Id/Status:	8-439231 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	8
Expiration Date:	05/24/2017
UTM X:	222472.35863
UTM Y:	4767279.7425800003
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	50204
Affiliation Type:	Mail Contact
Company Name:	KELLY GELSKE
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	24601 CENTER RIDGE ROAD
Address2:	Not reported
City:	WESTLAKE
State:	OH
Zip Code:	44145
Country Code:	001
Phone:	(440)808-7406
EMail:	KGELSKE@TA-PETRO.COM
Fax Number:	Not reported
Modified By:	MAPERSSO
Date Last Modified:	6/23/2015

Site Id:	50204
Affiliation Type:	On-Site Operator
Company Name:	PEMBROKE TRAVEL CENTER
Contact Type:	Not reported
Contact Name:	TA OPERATING LLC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(585)599-4577
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MAPERSSO
Date Last Modified:	6/23/2015

Site Id:	50204
Affiliation Type:	Emergency Contact
Company Name:	HPT TA PROPERTIES TRUST
Contact Type:	Not reported
Contact Name:	STORE MANAGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

PEMBROKE TRAVEL CENTER (Continued) **U004107631**

Zip Code:	Not reported
Country Code:	999
Phone:	(585) 599-4577
EMail:	Not reported
Fax Number:	Not reported
Modified By:	WLSTEVEN
Date Last Modified:	10/30/2008

Site Id:	50204
Affiliation Type:	Facility Owner
Company Name:	HPT TA PROPERTIES TRUST
Contact Type:	PRESIDENT
Contact Name:	JOHN G MURRAY
Address1:	24601 CENTER RIDGE ROAD
Address2:	Not reported
City:	WESTLAKE
State:	OH
Zip Code:	44145
Country Code:	001
Phone:	(440) 808-7406
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MAPERSSO
Date Last Modified:	6/23/2015

Tank Info:

Tank Number:	001
Tank ID:	150160
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	10000
Install Date:	01/01/1982
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	20
Date Test:	08/26/2014
Next Test Date:	08/26/2019
Pipe Model:	Not reported
Modified By:	MAPERSSO
Last Modified:	06/23/2015

Equipment Records:

E00 - Piping Secondary Containment - None
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F08 - Pipe External Protection - Retrofitted Impressed Current
G00 - Tank Secondary Containment - None
J01 - Dispenser - Pressurized Dispenser
C02 - Pipe Location - Underground/On-ground

PEMBROKE TRAVEL CENTER (Continued) **U004107631**

K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 002
Tank ID: 150161
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 10000
Install Date: 01/01/1982
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 20
Date Test: 08/26/2014
Next Test Date: 08/26/2019
Pipe Model: Not reported
Modified By: MAPERSSO
Last Modified: 06/23/2015

Equipment Records:

C02 - Pipe Location - Underground/On-ground
K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F08 - Pipe External Protection - Retrofitted Impressed Current
G00 - Tank Secondary Containment - None
J01 - Dispenser - Pressurized Dispenser
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 003
Tank ID: 153938
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 10000
Install Date: 01/01/1982
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 20
Date Test: 08/26/2014
Next Test Date: 08/26/2019
Pipe Model: Not reported
Modified By: MAPERSSO

PEMBROKE TRAVEL CENTER (Continued) **U004107631**

Last Modified: 06/23/2015

Equipment Records:

E00 - Piping Secondary Containment - None
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F08 - Pipe External Protection - Retrofitted Impressed Current
G00 - Tank Secondary Containment - None
J01 - Dispenser - Pressurized Dispenser
C02 - Pipe Location - Underground/On-ground
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 004
Tank ID: 150163
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 20000
Install Date: 01/01/1982
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: 20
Date Test: 08/26/2014
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MAPERSSO
Last Modified: 06/23/2015

Equipment Records:

A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
J01 - Dispenser - Pressurized Dispenser
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 005
Tank ID: 150164
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 20000
Install Date: 01/01/1982

PEMBROKE TRAVEL CENTER (Continued) **U004107631**

Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	20
Date Test:	08/26/2014
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MAPERSSO
Last Modified:	06/23/2015

Equipment Records:

A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
J01 - Dispenser - Pressurized Dispenser
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number:	006
Tank ID:	150162
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	20000
Install Date:	01/01/1982
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	20
Date Test:	08/26/2014
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MAPERSSO
Last Modified:	06/23/2015

Equipment Records:

A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
J01 - Dispenser - Pressurized Dispenser
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass

PEMBROKE TRAVEL CENTER (Continued) **U004107631**

K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 007
Tank ID: 150165
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 20000
Install Date: 01/01/1982
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: 19
Date Test: 08/26/2014
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MAPERSSO
Last Modified: 06/23/2015

Equipment Records:

A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
J01 - Dispenser - Pressurized Dispenser
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number: 008
Tank ID: 150166
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1000
Install Date: 12/01/1981
Date Tank Closed: 12/01/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

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

PEMBROKE TRAVEL CENTER (Continued) **U004107631**

Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
I00 - Overfill - None

Tank Number: 009
Tank ID: 157426
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 1000
Install Date: 12/01/1998
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MAPERSSO
Last Modified: 06/23/2015

Equipment Records:

A00 - Tank Internal Protection - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
E00 - Piping Secondary Containment - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
B04 - Tank External Protection - Fiberglass
L00 - Piping Leak Detection - None

AST:
Region: STATE
DEC Region: 8
Site Status: Active
Facility Id: 8-439231
Program Type: PBS
UTM X: 222472.35863
UTM Y: 4767279.7425800003
Expiration Date: 05/24/2017

PEMBROKE TRAVEL CENTER (Continued) **U004107631**

Site Type: Retail Gasoline Sales

Affiliation Records:

Site Id: 50204
Affiliation Type: Mail Contact
Company Name: KELLY GELSKE
Contact Type: Not reported
Contact Name: Not reported
Address1: 24601 CENTER RIDGE ROAD
Address2: Not reported
City: WESTLAKE
State: OH
Zip Code: 44145
Country Code: 001
Phone: (440) 808-7406
EMail: KGELSKE@TA-PETRO.COM
Fax Number: Not reported
Modified By: MAPERSSO
Date Last Modified: 6/23/2015

Site Id: 50204
Affiliation Type: On-Site Operator
Company Name: PEMBROKE TRAVEL CENTER
Contact Type: Not reported
Contact Name: TA OPERATING LLC
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (585) 599-4577
EMail: Not reported
Fax Number: Not reported
Modified By: MAPERSSO
Date Last Modified: 6/23/2015

Site Id: 50204
Affiliation Type: Emergency Contact
Company Name: HPT TA PROPERTIES TRUST
Contact Type: Not reported
Contact Name: STORE MANAGER
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (585) 599-4577
EMail: Not reported
Fax Number: Not reported
Modified By: WLSTEVEN
Date Last Modified: 10/30/2008

Site Id: 50204
Affiliation Type: Facility Owner
Company Name: HPT TA PROPERTIES TRUST
Contact Type: PRESIDENT

PEMBROKE TRAVEL CENTER (Continued) **U004107631**

Contact Name:	JOHN G MURRAY
Address1:	24601 CENTER RIDGE ROAD
Address2:	Not reported
City:	WESTLAKE
State:	OH
Zip Code:	44145
Country Code:	001
Phone:	(440) 808-7406
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MAPERSSO
Date Last Modified:	6/23/2015

Tank Info:

Tank Number:	010
Tank Id:	225901
Material Code:	0013
Common Name of Substance:	Lube Oil

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/07/2006
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MAPERSSO
Last Modified:	06/23/2015
Material Name:	motor oil

Tank Number:	011
Tank Id:	225902
Material Code:	0013
Common Name of Substance:	Lube Oil

Equipment Records:

A00 - Tank Internal Protection - None

PEMBROKE TRAVEL CENTER (Continued) **U004107631**

D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/07/2006
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MAPERSSO
Last Modified:	06/23/2015
Material Name:	motor oil

Tank Number:	012
Tank Id:	225903
Material Code:	0013
Common Name of Substance:	Lube Oil

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/07/2006
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MAPERSSO

PEMBROKE TRAVEL CENTER (Continued) **U004107631**

Last Modified: 06/23/2015
Material Name: motor oil

Tank Number: 013
Tank Id: 225905
Material Code: 0013
Common Name of Substance: Lube Oil

Equipment Records:
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 07/07/2006
Capacity Gallons: 1500
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: MAPERSSO
Last Modified: 06/23/2015
Material Name: motor oil

Tank Number: 014
Tank Id: 255835

Equipment Records:
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G12 - Tank Secondary Containment - Double-Walled (AG only)
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron

PEMBROKE TRAVEL CENTER (Continued) **U004107631**

Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	04/16/2015
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MAPERSSO
Last Modified:	06/23/2015
Material Name:	motor oil

Tank Number:	015
Tank Id:	255836

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G12 - Tank Secondary Containment - Double-Walled (AG only)
J02 - Dispenser - Suction Dispenser
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	04/16/2015
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MAPERSSO
Last Modified:	06/23/2015
Material Name:	motor oil

20
East
< 1/8
0.067 mi.
356 ft.

HAIGHT RESIDENCE **NY Spills** **S102678943**
1254 INDIAN FALLS ROAD **N/A**
CORFU, NY 14036

Relative:
Lower

Actual:
850 ft.

SPILLS:

Facility ID:	9007542
Facility Type:	ER
DER Facility ID:	102606
Site ID:	118039
DEC Region:	8
Spill Date:	10/9/1990

HAIGHT RESIDENCE (Continued) **S102678943**

Spill Number/Closed Date:	9007542 / 11/29/1990
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1932
Investigator:	JRMARCHI
Referred To:	Not reported
Reported to Dept:	10/10/1990
CID:	Not reported
Water Affected:	GROUND WATER
Spill Source:	Private Dwelling
Spill Notifier:	Affected Persons
Cleanup Ceased:	11/29/1990
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/10/1990
Spill Record Last Update:	2/22/2007
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JM".10/10/90: GENESEE COUNTY HEALTH DEPT CONTACTED AND WILL CHECK WITH RESIDENT. 09/28/95: This is additional information about material spilled from the translation of the old spill file: PETROLEUM ODOR.02/12/01: PAPER FILE REMOVED AS PER PAPER RETENTION POLICY.
Remarks:	RESIDENT COMPLAINS OF PETROLEUM ODORS IN HER WELL. ODOR JUST NOTICED. THEY HAVE AN ABOVEGROUND TANK IN BASEMENT BUT SHE REPORT NO LEAKAGE AROUND TANK.

Material:

Site ID:	118039
Operable Unit ID:	948197
Operable Unit:	01
Material ID:	564878
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

B21
NNW
< 1/8
0.073 mi.
384 ft.

BLACK'S GROCERY STORE — **LTANKS** — **S101508503**
7936 ALLEGANY RD — **N/A**
CORFU, NY

Site 1 of 2 in cluster B

Relative:
Lower

Actual:
856 ft.

LTANKS:

Site ID:	243837
Spill Number/Closed Date:	7680509 / 5/10/1976
Spill Date:	5/10/1976
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	Not reported
Cleanup Ceased:	5/10/1976
Cleanup Meets Standard:	True
SWIS:	1900
Investigator:	PEARSON
Referred To:	Not reported
Reported to Dept:	5/10/1976
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	12/2/2003
Spill Record Last Update:	2/19/2004
Spiller Name:	Not reported
Spiller Company:	BLACK'S GROCERY STORE
Spiller Address:	SAME
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	8
DER Facility ID:	200283
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TP"2004/02/19 - RCVD_Time was previously blank and replaced with Spill_Time to fix a data translation problem... Bob Corcoran05/10/76: INSPECTION TO BE MADE UPON DELIVERY.
Remarks:	GASOLINE IN INDIVIDUAL WELL; GAS STATION NEXTDOOR. ODORS STRONGER IMMEDIATELY AFTER FILLUP OF TANKS. SUSPECT LEAK IN TANK OR PIPING AT GROCERY.

Material:

Site ID:	243837
Operable Unit ID:	891642
Operable Unit:	01
Material ID:	483086
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

BLACK'S GROCERY STORE (Continued) **S101508503**

Oxygenate: False

Tank Test:

B22 **DIBBLE BROS INC** **NY Spills** **S102171470**
NNW **7935 ALLEGHANY ROAD** **N/A**
< 1/8 **INDIAN FALLS, NY 14005**
0.086 mi.
455 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
853 ft.

SPILLS:

Facility ID:	9310700
Facility Type:	ER
DER Facility ID:	121318
Site ID:	142119
DEC Region:	8
Spill Date:	12/2/1993
Spill Number/Closed Date:	9310700 / 12/9/1993
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1922
Investigator:	CAHETTEN
Referred To:	Not reported
Reported to Dept:	12/3/1993
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	12/9/1993
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/7/1993
Spill Record Last Update:	3/16/2006
Spiller Name:	Not reported
Spiller Company:	DIBBLE BROS INC
Spiller Address:	SAME
Spiller City,St,Zip:	CORFU, NY 14036
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CH"12/03/93: BS CONTACTED HARRY DIBBLE WHO SAID ONLY 3-5 GALS OF DIESEL FUEL WAS ACTUALLY SPILLED & RAN DOWN DRIVEWAY. DIBBLE WHO IS ACTING INDIAN FALLS FIRE CHIEF WAS UNAWARE OF REPORTING REQUIRMENT FOR MINOR AMOUNT.12/03/93: DIBBLE SAID HIS SON WAS FUELING PICKUP & AUTOMATIC SHUTOFF WAS FROZEN ON. STONE & SAND APPLIED TO SPILLED MATERIAL. DIBBLE TO DISPOSE OF SPILL DEBRIS THROUGH REFUSE PICKUP. 12/09/93: BS INSPECTED SITE AND FUOND SPILLED MATERIAL CLEANED UP. NO FURTHER ACTION NEEDED.3/16/06 PAPER FILE REMOVED PER FILE RETENTION POLICY.
Remarks:	CALLER REPORTED THAT UNKNOWN QUANTITY OF FUEL OIL SPILLED TO GROUND SURFACE & COVERED UP WITH STONE BY SPILLER. SPILL OCCURRED NEAR ABOVE

DIBBLE BROS INC (Continued) **S102171470**

GROUND FUEL OIL TANK ACCORDING TO CALLER.

Material:

Site ID:	142119
Operable Unit ID:	992558
Operable Unit:	01
Material ID:	389783
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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23 **TRAVEL CENTER** **LTANKS** **S106702558**
SSW **8460 ALLEGHANY ROAD** **N/A**
1/4-1/2 **CORFU, NY 14036**
0.318 mi.
1679 ft.

Relative:
Lower

Actual:
850 ft.

LTANKS:

Site ID:	233267
Spill Number/Closed Date:	0405365 / 12/24/2004
Spill Date:	8/16/2004
Spill Cause:	Tank Overfill
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	8/16/2004
CID:	407
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	8/16/2004
Spill Record Last Update:	12/30/2004
Spiller Name:	RAY NAPOLEON
Spiller Company:	ARG TRUCKING
Spiller Address:	369 BOSTWICK ROAD
Spiller City,St,Zip:	PHELPS, NY 14532
Spiller County:	001
Spiller Contact:	GARY ROGERS
Spiller Phone:	(585) 599-4577
Spiller Extention:	Not reported
DEC Region:	8

TRAVEL CENTER (Continued) **S106702558**

DER Facility ID: 192202
DEC Memo: Not reported
Remarks: A TANK OVERFILL HAS HAPPENED AT THE TRAVEL CENTER IN PEMBROKE, SPILLING APPROXIMATELY 15 GALLONS OF GASOLINE TO THE GROUND. BOOMS AND PADS HAVE BEEN PLACED DOWN TO CONTAIN AND ABSORB THE GASOLINE. NO FURTHER ACTION IS NEEDED BY SPILLS.

Material:
Site ID: 233267
Operable Unit ID: 888121
Operable Unit: 01
Material ID: 489511
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 15
Units: Gallons
Recovered: 15
Resource Affected: Not reported
Oxygenate: False

Tank Test:

24
SSW
1/4-1/2
0.392 mi.
2071 ft.

FLYING J TRAVEL PLAZA #693 **LTANKS** **U003316171**
8484 ALLEGHENY ROAD **UST** **N/A**
CORFU, NY 14036 **NY Spills**

Relative:
Lower

Actual:
850 ft.

LTANKS:
Site ID: 247395
Spill Number/Closed Date: 0105351 / 8/17/2001
Spill Date: 8/17/2001
Spill Cause: Tank Failure
Spill Source: Commercial Vehicle
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 8/17/2001
Cleanup Meets Standard: False
SWIS: 1900
Investigator: DLTILTON
Referred To: Not reported
Reported to Dept: 8/17/2001
CID: 211
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 8/17/2001
Spill Record Last Update: 1/7/2003
Spiller Name: DOUG KNAUSS
Spiller Company: FLYING J
Spiller Address: 8484 ALLEGHENY ROAD

FLYING J TRAVEL PLAZA #693 (Continued) **U003316171**

Spiller City,St,Zip:	CORFU, NY
Spiller County:	001
Spiller Contact:	DOUG KNAUSS
Spiller Phone:	(716) 599-4430
Spiller Extention:	Not reported
DEC Region:	8
DER Facility ID:	203138
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DT"
Remarks:	SADDLE TANK ON TRUCK WAS PUNCTURED SPILLING MATERIAL TO PARKING LOT AND STORM DRAIN. DT SPOKE WITH ED MILEHAME, CORFU FIRE CHIEF, WHO STATED THAT UNKNOWN TRACTOR TRAILER SPILLED APPROXIMATELY 15 GALLONS OF DIESEL TO ASPHALT AND DROVE OFF. APPROXIMATELY ONE CUP OF DIESEL WENT TO STORM DRAIN. SPEEDY DRI WAS APPLIED AND MATERIAL IS TO BE SWEPT UP. BISON WASTE OIL, FLYING J'S DISPOSAL COMPANY,IS TO DISPOSE OF MATERIAL. DISPOSAL RECEIPTS WILL BE FORWARDED TO SPILLS. COPY OF SPILL GIVEN TO LAW ENFORCEMENT.

Material:

Site ID:	247395
Operable Unit ID:	843712
Operable Unit:	01
Material ID:	565971
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

UST:

Id/Status:	8-600516 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	8
Expiration Date:	07/01/2020
UTM X:	222394.55642000001
UTM Y:	4766617.2753400002
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	51318
Affiliation Type:	Mail Contact
Company Name:	PILOT TRAVEL CENTERS LLC
Contact Type:	Not reported
Contact Name:	JOEY CUPP, SR ENVIRONMENAL MANAGER
Address1:	5508 LONAS ROAD
Address2:	Not reported
City:	KNOXVILLE
State:	TN

FLYING J TRAVEL PLAZA #693 (Continued) **U003316171**

Zip Code:	37909
Country Code:	001
Phone:	(865) 588-7488
EMail:	JOEY.CUPP@PILOTTRAVELCENTERS.CIM
Fax Number:	Not reported
Modified By:	MAPERSSO
Date Last Modified:	6/9/2015

Site Id:	51318
Affiliation Type:	On-Site Operator
Company Name:	FLYING J TRAVEL PLAZA #693
Contact Type:	Not reported
Contact Name:	GENERAL MANAGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(585) 599-4430
EMail:	Not reported
Fax Number:	Not reported
Modified By:	WLSTEVEN
Date Last Modified:	12/10/2014

Site Id:	51318
Affiliation Type:	Emergency Contact
Company Name:	PILOT TRAVEL CENTERS LLC
Contact Type:	Not reported
Contact Name:	JOEY CUPP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(865) 588-7488 2826
EMail:	Not reported
Fax Number:	Not reported
Modified By:	WLSTEVEN
Date Last Modified:	12/10/2014

Site Id:	51318
Affiliation Type:	Facility Owner
Company Name:	PILOT TRAVEL CENTERS LLC
Contact Type:	SR ENVIRONMENTAL MANAGER
Contact Name:	JOEY CUPP
Address1:	5508 LONAS ROAD
Address2:	Not reported
City:	KNOXVILLE
State:	TN
Zip Code:	37909
Country Code:	001
Phone:	(865) 588-7488
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MAPERSSO

FLYING J TRAVEL PLAZA #693 (Continued) **U003316171**

Date Last Modified: 6/9/2015

Tank Info:

Tank Number: 001
Tank ID: 156700
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 20000
Install Date: 10/01/1997
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: WLSTEVEN
Last Modified: 12/10/2014

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Number: 002
Tank ID: 156701
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 20000
Install Date: 10/01/1997
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

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

FLYING J TRAVEL PLAZA #693 (Continued) **U003316171**

Modified By: WLSTEVEN
Last Modified: 12/10/2014

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Number: 003
Tank ID: 156702
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 20000
Install Date: 10/01/1997
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: WLSTEVEN
Last Modified: 12/10/2014

Equipment Records:

A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Number: 004
Tank ID: 156703
Tank Status: In Service

FLYING J TRAVEL PLAZA #693 (Continued) **U003316171**

Material Name:	In Service
Capacity Gallons:	20000
Install Date:	10/01/1997
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	2712
Common Name of Substance:	Gasoline/Ethanol
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	WLSTEVEN
Last Modified:	12/10/2014

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Number:	005
Tank ID:	156704
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	12000
Install Date:	10/01/1997
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	2712
Common Name of Substance:	Gasoline/Ethanol
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	WLSTEVEN
Last Modified:	12/10/2014

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector

FLYING J TRAVEL PLAZA #693 (Continued) **U003316171**

A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Number:	006
Tank ID:	156705
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	1000
Install Date:	10/01/1997
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	WLSTEVEN
Last Modified:	12/10/2014

Equipment Records:

E00 - Piping Secondary Containment - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
J00 - Dispenser - None
B04 - Tank External Protection - Fiberglass
I00 - Overfill - None
L00 - Piping Leak Detection - None

SPILLS:

Facility ID:	0550948
Facility Type:	ER
DER Facility ID:	50536
Site ID:	352326
DEC Region:	8
Spill Date:	9/9/2005
Spill Number/Closed Date:	0550948 / 9/25/2008
Spill Cause:	Deliberate
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS:	1942

FLYING J TRAVEL PLAZA #693 (Continued) **U003316171**

Investigator:	tghall
Referred To:	Not reported
Reported to Dept:	9/9/2005
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	DEC
Cleanup Ceased:	9/19/2005
Cleanup Meets Std:	True
Last Inspection:	9/19/2005
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/9/2005
Spill Record Last Update:	9/25/2008
Spiller Name:	Not reported
Spiller Company:	UNKNOWN COMMERCIAL VEHICLE
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Contact Name:	ECO LAWSON
Contact Phone:	(585) 226-6706
DEC Memo:	09/09/2005: TH MEETS ECO LAWSON AT THE SCENE AT 1400 HRS. THE RESPONSIBLE PARTY FLED THE SCENE AND WAS UNABLE TO BE IDENTIFIED. SOIL IMPACT IS EVIDENT IN GRASS MEDIAN BETWEEN ENTRANCE TO THE TRAVEL PLAZA AND ROUTE 77 (ALLEGHENY ROAD). OP-TECH IS HIRED TO REMOVE/PROPERLY DISPOSE OF THE IMPACTED SOIL AND BACKFILL/RESTORE THE SITE.09/19/2008: CLEANUP AND RESTORATION WORK IS COMPLETE. 10 DRUMS OF GASOLINE CONTAMINATED SOIL IS TRANSPORTED TO INDUSTRIAL OIL FOR DISPOSAL. NO FURTHER CLEANUP ACTION REQUIRED AT THIS TIME.09/25/2008: FINAL ISR SUBMITTED TO ALBANY. NO FURTHER ACTION REQUIRED BY SPILLS UNIT. SPILL AND PIN CLOSED.
Remarks:	CALLER STATES THAT AFTER A TRACTOR TRAILER HAD FUEL PLACED IN IT, THE DRIVER REALIZED THAT GASOLINE WAS USED BY ACCIDENT. THE DRIVER SIPHONED 15 GALLONS OF GASOLINE TO SOME BUCKETS AND DUMPED THEM IN THE EDGE OF THE PARKING LOT.

Material:

Site ID:	352326
Operable Unit ID:	1109830
Operable Unit:	01
Material ID:	2099848
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15
Units:	Gallons
Recovered:	15
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1402876
Facility Type:	ER

FLYING J TRAVEL PLAZA #693 (Continued) **U003316171**

DER Facility ID:	451073
Site ID:	496216
DEC Region:	8
Spill Date:	6/17/2014
Spill Number/Closed Date:	1402876 / 6/23/2014
Spill Cause:	Traffic Accident
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	6/17/2014
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Affected Persons
Cleanup Ceased:	6/23/2014
Cleanup Meets Std:	False
Last Inspection:	6/23/2014
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/17/2014
Spill Record Last Update:	2/2/2015
Spiller Name:	JENNIFER MCCLURKAN
Spiller Company:	PILOT TRAVEL CENTERS
Spiller Address:	4848 ALLEGHENY ROAD
Spiller City,St,Zip:	PEMBROOKE, NY 14036
Spiller Company:	999
Contact Name:	JENNIFER MCCLURKAN
Contact Phone:	18654743533
DEC Memo:	06/23/2014: TH ON SITE AT 13:00. CLEANUP WAS COMPLETED BY PILOT MAINTENENCE PERSONNEL.
Remarks:	SPILL CONTAINED AND CLEANUP PENDING

Material:

Site ID:	496216
Operable Unit ID:	1245708
Operable Unit:	01
Material ID:	2246743
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9970029
Facility Type:	ER
DER Facility ID:	128502
Site ID:	151195

FLYING J TRAVEL PLAZA #693 (Continued) **U003316171**

DEC Region:	8
Spill Date:	4/15/1999
Spill Number/Closed Date:	9970029 / 4/15/1999
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	tghall
Referred To:	Not reported
Reported to Dept:	4/15/1999
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Affected Persons
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:	4/15/1999
Spill Record Last Update:	2/27/2007
Spiller Name:	MAX JEWELL
Spiller Company:	JEWELL TRANSPORT
Spiller Address:	166 ROUTE 120
Spiller City,St,Zip:	PLAINFIELD, NH 03781-
Spiller Company:	001
Contact Name:	DOUG KNAUSS
Contact Phone:	(716) 599-4430
DEC Memo:	4/15/1999 TW PHONE CONVERSATION WITH DOUG KNAUSS OF FLYING "J" TRAVEL PLAZA. FD RESPONDED, AS WELL AS E P & S. TH AND ECO DOE RESPONDED. CLEANUP HAS BEEN COMPLETED. NO FURTHER ACTION NEEDED AT THIS TIME BY SPILLS. FURTHER INFORMATION :TRUCK NUMBER 68 (DRIVER: PAUL SCHOFIELD)INSURANCE INFORMATION KENNY PIKE/HARTFORDPO BOX 317HARTFORD, VT 05047POLICY 3144CA000161 EXPIRED 5/28/199904/15/99: TH ON SITE AT 1100 HRS. EP&S IS COMPLETEING SURFACE CLEANUP OF SPILL. AS PER TRUCK DRIVER (SCHOFIELD) THE SPILL OCCURRED WHEN HEAT COILS IN THE SADDLETANK OVERHEATED FUEL CAUSING FUEL EXPANSION AND RELEASE THROUGH TANK VENTS. DRIVER WAS ASLEEP IN THE CAB AT THE TIME. SPILL AREA COVERED APPROXIMATELY 100' X 20' OF PAVEMENT SURFACE. NO STORM DRAINS OR SOILS WERE IMPACTED. EIGHT DRUMS OF SPEEDI DRY AND PADS GENERATED FROM CLEANUP. EP&S FOREMAN (RON HUNTINGTON) WILL FORWARD DISPOSAL RECEIPTS FOR CLOSURE.02/27/07 PAPER FILE REMOVED PER FILE RETENTION POLICY.
Remarks:	A TRUCK PARKED OVERNIGHT AT THE TRUCK STOP EMPLOYED A MECHANISM THAT HEATS FUEL IN THE SADDLE TANKS TO PREVENT THE FUEL FROM THICKENING DURING THE WINTER. SINCE THERE WAS A PROBLEM WITH THE STARTER, THE DRIVER LEFT THE TRUCK ON ALL NIGHT, AND THIS MECHANISM CAUSED THE FUEL TO HEAT AND EXPAND OVERNIGHT. THE EXPANSION OF THE FUEL CAUSED IT TO OVERSPILL TO THE GROUND. THE DRIVER IS UNABLE TO TURN THE HEATING MECHANISM OFF. CORFU FD RESPONDED.

Material:

Site ID:	151195
Operable Unit ID:	1090489
Operable Unit:	01
Material ID:	290774
Material Code:	0008

FLYING J TRAVEL PLAZA #693 (Continued) **U003316171**

Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1010178
Facility Type:	ER
DER Facility ID:	398684
Site ID:	443772
DEC Region:	8
Spill Date:	12/29/2010
Spill Number/Closed Date:	1010178 / 12/29/2010
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1942
Investigator:	TGHALL
Referred To:	Not reported
Reported to Dept:	12/29/2010
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Citizen
Cleanup Ceased:	12/29/2010
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/29/2010
Spill Record Last Update:	12/29/2010
Spiller Name:	SAM VANINI
Spiller Company:	FLYING J TRAVEL PLAZA
Spiller Address:	8484 ALLEGHENY ROAD
Spiller City,St,Zip:	CORFU, NY 14036
Spiller Company:	999
Contact Name:	SAM VANINI
Contact Phone:	(585) 599-4430
DEC Memo:	12/29/10 SAM VANINI NOTIFIED AND WILL INSPECT SITE, ECO RAUSHER RESPONDING AND TO UPDATE SPILLS. COPY TO LAW ENFORCEMENT.12/29/10 ECO RAUSHER ONSITE AND FOUND NO SIGNS OF ANY SPILLAGE OR STRONG ODORS. NO FURTHER ACTION IS NEEDED BY SPILLS UNIT AT THIS TIME. CLOSED.
Remarks:	CALLER STATES THAT WHILE DRIVING BY GAS STATION STRONG GASOLINE ODORS WERE NOTED. CONCERNED THAT GASOLINE SPILL MIGHT HAVE OCCURED.

Material:

Site ID:	443772
Operable Unit ID:	1194220
Operable Unit:	01
Material ID:	2189945

FLYING J TRAVEL PLAZA #693 (Continued) **U003316171**

Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0308421
Facility Type:	ER
DER Facility ID:	203138
Site ID:	247398
DEC Region:	8
Spill Date:	11/10/2003
Spill Number/Closed Date:	0308421 / 11/10/2003
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	1900
Investigator:	CAHETTEN
Referred To:	Not reported
Reported to Dept:	11/10/2003
CID:	205
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Affected Persons
Cleanup Ceased:	11/10/2003
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/10/2003
Spill Record Last Update:	2/10/2004
Spiller Name:	Not reported
Spiller Company:	JEVIC TRANSPORTATION
Spiller Address:	600-700 CREEK ROAD
Spiller City,St,Zip:	DELANCO, NJ
Spiller Company:	001
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CH"
Remarks:	A DEFECTIVE HEATER ON A REFRIGERANT TRUCK SPILLED APPROXIMATELY 15 GALLONS OF DIESEL TO SOME ASPHALT DUE TO AN OVERFILL. CLEANUP STARTED. NO FURTHER ACTION NEEDED BY SPILLS.

Material:

Site ID:	247398
Operable Unit ID:	874679
Operable Unit:	01

FLYING J TRAVEL PLAZA #693 (Continued) **U003316171**

Material ID:	501922
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

C25 **TRAVEL CENTERS OF AMERICA** **LTANKS** **S108467872**
SSW **I-90 EXIT 48A** **N/A**
1/4-1/2 **CORFU, NY 14036**
0.462 mi.
2438 ft. **Site 1 of 2 in cluster C**

Relative:
Higher

Actual:
863 ft.

LTANKS:

Site ID:	378284
Spill Number/Closed Date:	0613280 / 3/16/2007
Spill Date:	3/11/2007
Spill Cause:	Tank Failure
Spill Source:	Commercial Vehicle
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	3/16/2007
Cleanup Meets Standard:	True
SWIS:	1942
Investigator:	tghall
Referred To:	Not reported
Reported to Dept:	3/11/2007
CID:	78
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	3/16/2007
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/12/2007
Spill Record Last Update:	3/20/2007
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller County:	999
Spiller Contact:	NONE
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	8
DER Facility ID:	327821

TRAVEL CENTERS OF AMERICA (Continued) **S108467872**

DEC Memo: 03/16/2007: TH INSPECTS AREA. CLEANUP HAS BEEN COMPLETED BY TRAVEL CENTER PERSONNEL. NO FURTHER ACTION REQUIRED AT THIS TIME-CLOSED.
Remarks: CALLER STATES THAT A DRIVER FOUND A SPILL ON A TANK FIELD. UKNOWN WHO SPILLED MATERIAL.

Material:
Site ID: 378284
Operable Unit ID: 1135786
Operable Unit: 01
Material ID: 2125705
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 3
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

C26 **NYS THRUWAY** **LTANKS** **S100156260**
SSW **NYS THRUWAY MM 397.4** **N/A**
1/4-1/2 **PEMBROKE, NY 14036**
0.462 mi.
2438 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
863 ft.

LTANKS:
Site ID: 78419
Spill Number/Closed Date: 8706803 / 3/18/1988
Spill Date: 11/10/1987
Spill Cause: Tank Test Failure
Spill Source: Gasoline Station or other PBS Facility
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 3/18/1988
Cleanup Meets Standard: True
SWIS: 1942
Investigator: CAHETTEN
Referred To: Not reported
Reported to Dept: 11/10/1987
CID: Not reported
Water Affected: GROUND WATER
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 11/12/1987
Spill Record Last Update: 3/20/2006
Spiller Name: GEORGE TANNER
Spiller Company: NYS THRUWAY PEMBROKE REST
Spiller Address: MM 397.4
Spiller City,St,Zip: PEMBROKE, NY 14036
Spiller County: 001

NYS THRUWAY (Continued) **S100156260**

Spiller Contact:	GEORGE TANNER
Spiller Phone:	(518) 436-2953
Spiller Extention:	Not reported
DEC Region:	8
DER Facility ID:	72977
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CH". / / : 11/10 TANK TOP TEST BEING DONE. EXCAVATE, ISOLATE, AND RETEST. / / : 12/11/87 OPEN LINE WAS FOUND IN BLDG. TANK TO BE RETESTED.GEORGE TANNER NYSTA(518-436-2953)TO CALL WITH RETEST DATE.12/29/87: PER LETTER TO CH FROM GEORGE TANNER, ASSIST. SUPERINT. OF MAINT(BUILDINGS) THRUWAY BULK STORAGE TIGHTNESS TESTING PROGRAM DETECTED PROBLEMS AT PEMBROKE (87-6803 AND BATAVIA (87-6866 AND 87-6867). PER MR. TANNER PROBLEMS HAD BEEN CORRECTED AND RETESTING IS SCHEDULED FOR 01/07/88 AT BATAVIA AND 01/08/88 AT PEMBROKE. ONCE REPAIRS WERE MADE WE RETURNED THESE SYSTEMS TO SERVICE, HOWEVER, WE ARE MONITORING THEIR OPERATION CLOSELY. SCHEDULE HAS BEEN COORDINATED WITH THE AUTHORITY'S TESTING CONTRACTOR AND ENCON REGIONS AS WELL. 03/18/88: 3/16/88 SPEAK TO HAPONSKI RETEST PASSES.03/20/06: PAPER FILE REMOVED PER FILE RETENTION POLICY.
Remarks:	10,000 GALLON TANK FAILED TIGHTNESS TEST AT -2.711 GAL/HR.

Material:

Site ID:	78419
Operable Unit ID:	910528
Operable Unit:	01
Material ID:	465798
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	78419
Spill Tank Test:	1532226
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Count: 1 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BASOM	1003864520	TONOWANDA INDIAN RESERVATION, LF	TONOWANDA INDIAN RESERVATION	14013	CERC-NFRAP

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: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
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: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
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.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
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: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/10/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Varies

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

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: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/12/2015
Next Scheduled EDR Contact: 11/30/2015
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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
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: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: Varies

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: 06/22/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Annually

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: 08/17/2015
Date Data Arrived at EDR: 08/19/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/19/2015
Next Scheduled EDR Contact: 11/30/2015
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion 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.

Date of Government Version: 11/01/2014
Date Data Arrived at EDR: 11/19/2014
Date Made Active in Reports: 01/12/2015
Number of Days to Update: 54
Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

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: 06/24/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 07/22/2015
Number of Days to Update: 14
Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

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: 07/28/2015
Date Data Arrived at EDR: 08/07/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 67
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 07/21/2015
Date Data Arrived at EDR: 07/29/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 76
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2015
Date Data Arrived at EDR: 08/07/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 67
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Semi-Annually

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: 01/08/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
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: 05/13/2015
Date Data Arrived at EDR: 08/03/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 71
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 08/17/2015
Date Data Arrived at EDR: 08/19/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 33
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/19/2015
Next Scheduled EDR Contact: 11/30/2015
Data Release Frequency: Varies

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
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

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/10/2015
Next Scheduled EDR Contact: 10/28/2015
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: 07/29/2015
Date Data Arrived at EDR: 07/29/2015
Date Made Active in Reports: 08/21/2015
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/29/2015
Next Scheduled EDR Contact: 10/12/2015
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
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: 10/24/2005
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
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

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: 07/29/2015
Date Data Arrived at EDR: 07/29/2015
Date Made Active in Reports: 08/21/2015
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/29/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

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: 07/29/2015
Date Data Arrived at EDR: 07/29/2015
Date Made Active in Reports: 08/21/2015
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/29/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 07/29/2015
Date Data Arrived at EDR: 07/29/2015
Date Made Active in Reports: 08/21/2015
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/29/2015
Next Scheduled EDR Contact: 10/12/2015
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 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: 07/28/2015
Date Data Arrived at EDR: 08/07/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 67

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 07/21/2015
Date Data Arrived at EDR: 07/29/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 76

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

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: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
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: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

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: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

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: 05/13/2015
Date Data Arrived at EDR: 08/03/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 71

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Semi-Annually

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: 07/28/2015
Date Data Arrived at EDR: 08/14/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 60

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

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: 07/30/2015
Date Data Arrived at EDR: 08/07/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Semi-Annually

State and tribal institutional control / engineering control registries

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: 03/31/2015
Date Data Arrived at EDR: 06/25/2015
Date Made Active in Reports: 07/22/2015
Number of Days to Update: 27

Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 06/19/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Varies

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: 11/18/2010
Date Data Arrived at EDR: 06/30/2014
Date Made Active in Reports: 07/21/2014
Number of Days to Update: 21

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 08/17/2015
Date Data Arrived at EDR: 08/19/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 08/19/2015
Next Scheduled EDR Contact: 11/30/2015
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 08/17/2015
Date Data Arrived at EDR: 08/19/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 08/19/2015
Next Scheduled EDR Contact: 11/30/2015
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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: 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: 08/17/2015
Date Data Arrived at EDR: 08/19/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 08/19/2015
Next Scheduled EDR Contact: 11/30/2015
Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 08/17/2015
Date Data Arrived at EDR: 08/19/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 08/19/2015
Next Scheduled EDR Contact: 11/30/2015
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: 08/17/2015
Date Data Arrived at EDR: 08/19/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/19/2015
Next Scheduled EDR Contact: 11/30/2015
Data Release Frequency: Quarterly

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: 06/22/2015
Date Data Arrived at EDR: 06/24/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/24/2015
Next Scheduled EDR Contact: 10/05/2015
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: 06/24/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 07/22/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 07/15/2015
Next Scheduled EDR Contact: 11/02/2015
Data Release Frequency: Annually

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
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2015
Next Scheduled EDR Contact: 08/17/2015
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
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
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.

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: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
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: 06/01/2015
Date Data Arrived at EDR: 06/02/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 106

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
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: 08/17/2015
Date Data Arrived at EDR: 08/19/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 08/19/2015
Next Scheduled EDR Contact: 11/30/2015
Data Release Frequency: Annually

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: 05/15/2015
Date Data Arrived at EDR: 06/02/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 106

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

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
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
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
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
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: 08/10/2015
Date Data Arrived at EDR: 08/11/2015
Date Made Active in Reports: 08/21/2015
Number of Days to Update: 10

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 08/10/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Varies

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: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

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.

Date of Government Version: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Annually

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: 08/17/2015
Date Data Arrived at EDR: 08/19/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/19/2015
Next Scheduled EDR Contact: 11/30/2015
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.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

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: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/11/2015
Next Scheduled EDR Contact: 12/21/2015
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: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
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: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
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: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 08/31/2015
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: 06/01/2015
Date Data Arrived at EDR: 06/02/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/12/2015
Next Scheduled EDR Contact: 11/30/2015
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/04/2015
Next Scheduled EDR Contact: 11/23/2015
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: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
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: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
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: 12/31/2013
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 110

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 01/29/2015
Next Scheduled EDR Contact: 06/08/2015
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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Annually

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: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
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: 02/01/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
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: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
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: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/17/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Annually

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: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/28/2015
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

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: 06/26/2015
Date Data Arrived at EDR: 07/10/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 95

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/03/2015
Next Scheduled EDR Contact: 12/21/2015
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: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
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: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
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: 07/07/2015
Date Data Arrived at EDR: 07/09/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 69
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
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
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
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
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/04/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Varies

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.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
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: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/28/2015
Next Scheduled EDR Contact: 12/07/2015
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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-Annually

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: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/07/2015
Next Scheduled EDR Contact: 10/19/2015
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 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

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: 07/22/2015
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 40

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 07/22/2015
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 40

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/22/2015
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: 05/14/2015
Date Data Arrived at EDR: 06/03/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 91

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/01/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: Semi-Annually

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: 06/05/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

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: 01/18/2015
Date Data Arrived at EDR: 02/27/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 26

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: Air Emissions Data
Point source emissions inventory data.

Date of Government Version: 04/17/2015
Date Data Arrived at EDR: 04/23/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 07/27/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 07/05/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 07/22/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Varies

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 07/02/2015
Date Data Arrived at EDR: 07/13/2015
Date Made Active in Reports: 07/22/2015
Number of Days to Update: 9

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Varies

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: 05/27/2015
Date Data Arrived at EDR: 06/25/2015
Date Made Active in Reports: 07/22/2015
Number of Days to Update: 27

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 06/19/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 07/13/2015
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 08/04/2015
Number of Days to Update: 21

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
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: 10/01/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
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: 08/01/2015
Date Data Arrived at EDR: 08/06/2015
Date Made Active in Reports: 08/24/2015
Number of Days to Update: 18

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/06/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Annually

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: 07/29/2015
Date Data Arrived at EDR: 07/31/2015
Date Made Active in Reports: 08/21/2015
Number of Days to Update: 21

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 07/27/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 09/07/2015
Date Data Arrived at EDR: 09/10/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 11

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 09/10/2015
Next Scheduled EDR Contact: 12/21/2015
Data Release Frequency: Quarterly

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 US Hist Auto Stat: EDR Exclusive Historic Gas 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.

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 US Hist Cleaners: EDR Exclusive Historic Dry 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/28/2015
Date Data Arrived at EDR: 08/28/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 24

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 08/03/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/28/2015
Date Data Arrived at EDR: 08/28/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 24

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 08/03/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 04/16/2015
Date Data Arrived at EDR: 07/07/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 36

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 07/01/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 08/03/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 04/16/2015
Date Data Arrived at EDR: 07/07/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 36

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 07/01/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 08/03/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 09/14/2015
Date Data Arrived at EDR: 09/14/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 7

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 09/08/2015
Next Scheduled EDR Contact: 12/21/2015
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 09/14/2015
Date Data Arrived at EDR: 09/14/2015
Date Made Active in Reports: 09/21/2015
Number of Days to Update: 7

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 09/08/2015
Next Scheduled EDR Contact: 12/21/2015
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 08/03/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 08/03/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 12/11/2014
Date Data Arrived at EDR: 12/12/2014
Date Made Active in Reports: 01/13/2015
Number of Days to Update: 32

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 12/11/2014
Date Data Arrived at EDR: 12/12/2014
Date Made Active in Reports: 01/13/2015
Number of Days to Update: 32

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

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: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/20/2015
Next Scheduled EDR Contact: 11/02/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 06/03/2015
Date Made Active in Reports: 07/20/2015
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/20/2015
Next Scheduled EDR Contact: 11/02/2015
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Telephone: 281-546-1505
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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: 800-823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

1232 INDIAN FALLS ROAD
1232 INDIAN FALLS ROAD
CORFU, NY 14036

TARGET PROPERTY COORDINATES

Latitude (North):	43.0207 - 43° 1' 14.52''
Longitude (West):	78.3984 - 78° 23' 54.24''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	711992.1
UTM Y (Meters):	4766183.5
Elevation:	862 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5938403 AKRON, NY
Version Date:	2013
Northeast Map:	5938427 OAKFIELD, NY
Version Date:	2013
Southeast Map:	5937929 ALEXANDER, NY
Version Date:	2013
South Map:	5938003 CORFU, 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 principal 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.

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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).

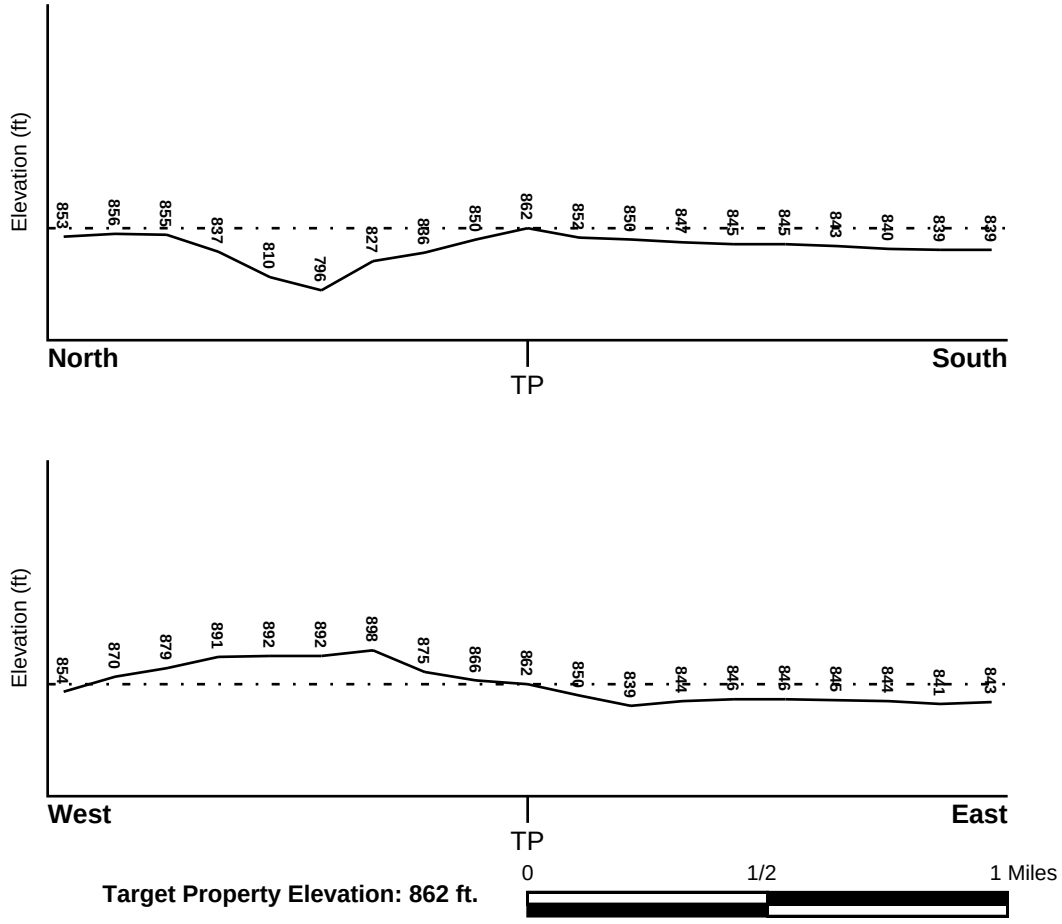
TOPOGRAPHIC INFORMATION

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 ENE

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

Target Property County	FEMA Flood Electronic Data
GENESEE, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 3602830005C - FEMA Q3 Flood data

Additional Panels in search area: 3610670011C - FEMA Q3 Flood data
3602830010C - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
AKRON	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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
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

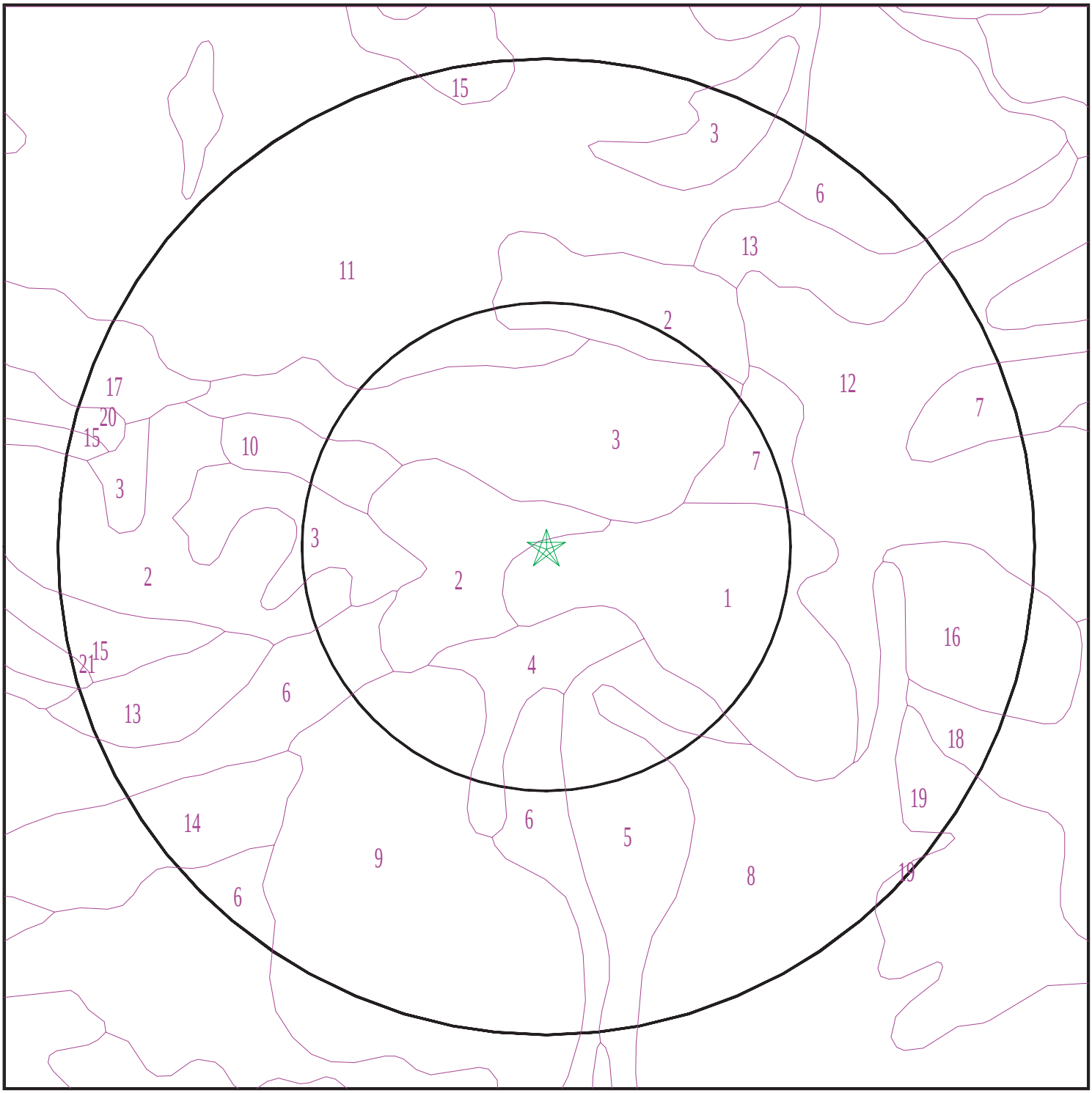
Era:	Paleozoic
System:	Devonian
Series:	Middle Devonian
Code:	D2 *(decoded above as Era, System & Series)*

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).

SSURGO SOIL MAP - 4444330.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	1232 Indian Falls Road	CLIENT:	Great Lakes Environmental
ADDRESS:	1232 Indian Falls Road Corfu NY 14036	CONTACT:	Danielle Bastian
		INQUIRY #:	4444330.2s
LAT/LONG:	43.0207 / 78.3984	DATE:	October 21, 2015 12:44 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Palmyra

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.6
2	11 inches	29 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.8 Min: 6.1
3	29 inches	72 inches	stratified very gravelly sand to fine sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 705 Min: 42	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: Dunkirk

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 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%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	14 inches	35 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%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.1
3	35 inches	42 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%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.1
4	42 inches	72 inches	stratified silt to very fine sand	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: 4 Min: 1.4	Max: 8.4 Min: 6.1

Soil Map ID: 3

Soil Component Name: Niagara

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: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 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: 14 Min: 4	Max: 7.3 Min: 5.1
2	11 inches	25 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6
3	25 inches	72 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%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 4

Soil Component Name: Lima

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	9 inches	20 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
3	20 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 5

Soil Component Name: Lima

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	9 inches	20 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
3	20 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 6

Soil Component Name: Ontario

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 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: 14 Min: 4	Max: 7.3 Min: 5.1
2	7 inches	38 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	38 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 7

Soil Component Name: Palmyra

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.6
2	11 inches	29 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.8 Min: 6.1
3	29 inches	72 inches	stratified very gravelly sand to fine sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 705 Min: 42	Max: 8.4 Min: 7.4

Soil Map ID: 8

Soil Component Name: Canandaigua

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 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%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	9 inches	38 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%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6
3	38 inches	72 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%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1

Soil Map ID: 9

Soil Component Name: Ontario

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 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: 14 Min: 4	Max: 7.3 Min: 5.1
2	7 inches	38 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	38 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 10

Soil Component Name: Arkport

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
2	9 inches	20 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
3	20 inches	42 inches	loamy very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1
4	42 inches	72 inches	stratified loamy fine sand to very fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 5.6

Soil Map ID: 11

Soil Component Name: Collamer

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: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 56 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 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%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	9 inches	22 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%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	22 inches	38 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%), Lean Clay	Max: 4 Min: 0.42	Max: 7.8 Min: 5.6
4	38 inches	72 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%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.1

Soil Map ID: 12

Soil Component Name: Fredon

Soil Surface Texture: gravelly 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: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	9 inches	35 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	35 inches	72 inches	stratified gravelly sand to fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	SW-SC	Max: 141 Min: 14	Max: 8.4 Min: 5.6

Soil Map ID: 13

Soil Component Name: Ontario

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 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: 14 Min: 4	Max: 7.3 Min: 5.1
2	7 inches	38 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	38 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 14

Soil Component Name: Hilton

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 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%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	9 inches	24 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	24 inches	35 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
4	35 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 15

Soil Component Name: Dunkirk

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 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%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	14 inches	35 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%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.1
3	35 inches	42 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%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.1
4	42 inches	72 inches	stratified silt to very fine sand	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: 4 Min: 1.4	Max: 8.4 Min: 6.1

Soil Map ID: 16

Soil Component Name: Appleton

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: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 20 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	7 inches	16 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%), Lean Clay	Max: 4 Min: 0.42	Max: 7.8 Min: 5.6
3	16 inches	29 inches	gravelly 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%), Lean Clay	Max: 4 Min: 0.42	Max: 7.8 Min: 5.6
4	29 inches	72 inches	fine gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 17

Soil Component Name: Lamson

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	very fine sandy 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: 42 Min: 4	Max: 7.8 Min: 5.6
2	14 inches	38 inches	very fine sandy 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: 42 Min: 4	Max: 8.4 Min: 6.1
3	38 inches	72 inches	stratified very fine sand to fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 8.4 Min: 6.1

Soil Map ID: 18

Soil Component Name: Galen

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 51 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy 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: 42 Min: 4	Max: 7.3 Min: 5.1
2	9 inches	20 inches	very fine sandy 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: 42 Min: 4	Max: 7.3 Min: 5.6
3	20 inches	40 inches	loamy very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.6
4	40 inches	72 inches	stratified fine sand to very fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

Soil Map ID: 19

Soil Component Name: Phelps

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	9 inches	11 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	11 inches	24 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
4	24 inches	35 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.8 Min: 6.1
5	35 inches	72 inches	stratified very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 14	Max: 8.4 Min: 7.4

Soil Map ID: 20

Soil Component Name: Arkport

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
2	9 inches	20 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
3	20 inches	42 inches	loamy very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1
4	42 inches	72 inches	stratified loamy fine sand to very fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 5.6

Soil Map ID: 21

Soil Component Name: Arkport

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
2	9 inches	20 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
3	20 inches	42 inches	loamy very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1
4	42 inches	72 inches	stratified loamy fine sand to very fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 5.6

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B5	USGS40000868480	1/4 - 1/2 Mile NE
C7	USGS40000868576	1/4 - 1/2 Mile North
C10	USGS40000868602	1/4 - 1/2 Mile North
E15	USGS40000868344	1/2 - 1 Mile West
17	USGS40000868312	1/2 - 1 Mile East
F19	USGS40000868543	1/2 - 1 Mile WNW
G21	USGS40000868597	1/2 - 1 Mile NW
H24	USGS40000868222	1/2 - 1 Mile WSW
I26	USGS40000868313	1/2 - 1 Mile West
28	USGS40000868544	1/2 - 1 Mile WNW
J30	USGS40000868582	1/2 - 1 Mile ENE
31	USGS40000867909	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D8	NY0015784	1/4 - 1/2 Mile NNE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NYWS10000005979	1/8 - 1/4 Mile East
2	NYWS10000006008	1/4 - 1/2 Mile NNW
A3	NYWS001164	1/4 - 1/2 Mile North
A4	NYWS001165	1/4 - 1/2 Mile North
B6	NYWS10000006000	1/4 - 1/2 Mile NE
D9	NYWS001160	1/4 - 1/2 Mile NNE
11	NYWS10000005994	1/2 - 1 Mile North
12	NYWS10000006013	1/2 - 1 Mile NE
E13	NYWS10000005988	1/2 - 1 Mile West
E14	NYWS10000006010	1/2 - 1 Mile West
16	NYWS10000006009	1/2 - 1 Mile NW
18	NYWS10000006005	1/2 - 1 Mile West
F20	NYWS10000005986	1/2 - 1 Mile WNW
G22	NYWS10000005991	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

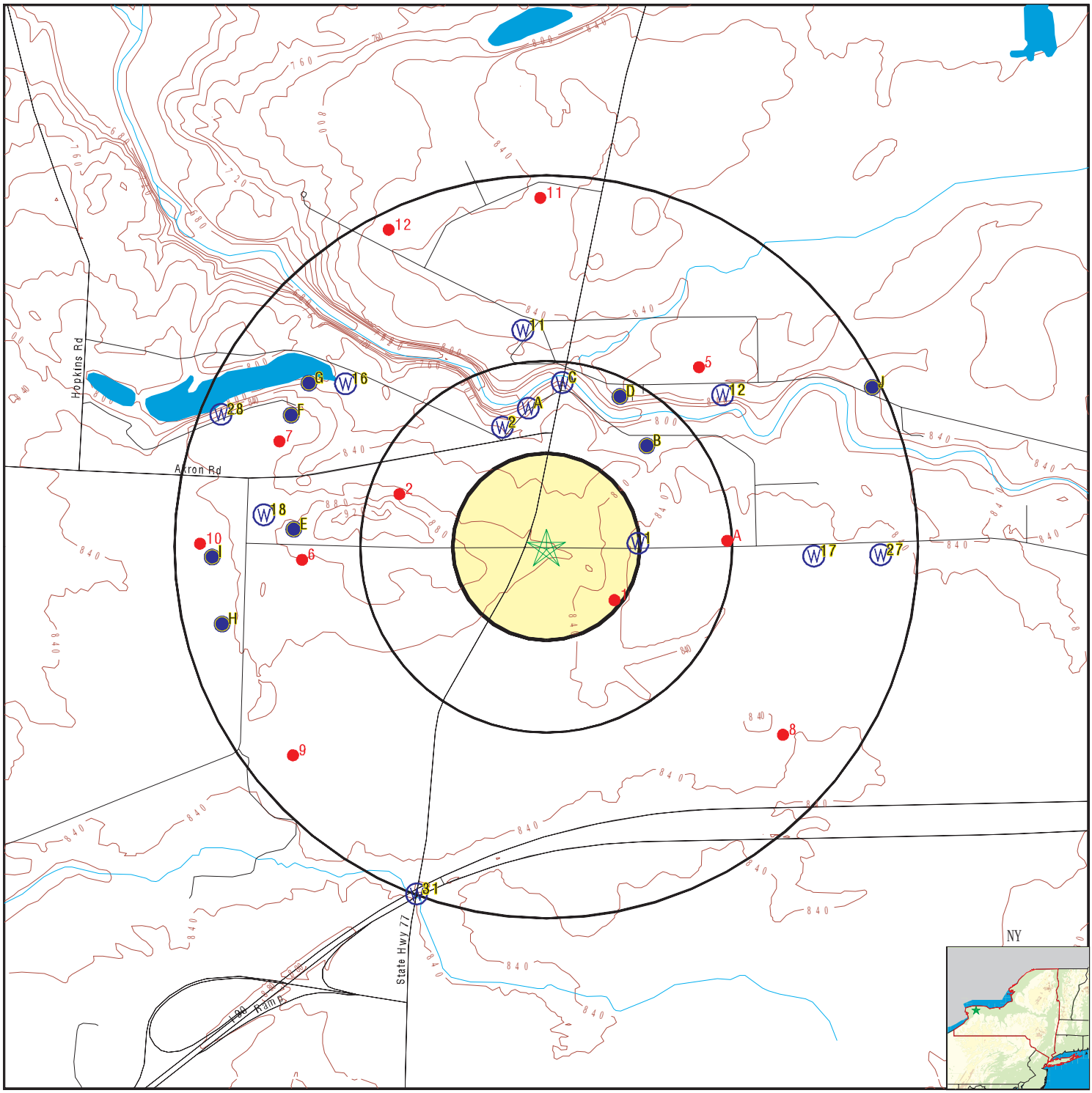
MAP ID	WELL ID	LOCATION FROM TP
H23	NYWS10000005998	1/2 - 1 Mile WSW
I25	NYWS10000005984	1/2 - 1 Mile West
27	NYWS10000006015	1/2 - 1 Mile East
J29	NYWS10000005999	1/2 - 1 Mile ENE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NYOG80000034724	1/8 - 1/4 Mile SE
2	NYOG80000034803	1/4 - 1/2 Mile WNW
A3	NYOG80000034957	1/4 - 1/2 Mile East
A4	NYOG80000034717	1/4 - 1/2 Mile East
5	NYOG80000034684	1/2 - 1 Mile NE
6	NYOG80000034756	1/2 - 1 Mile West
7	NYOG80000034802	1/2 - 1 Mile WNW
8	NYOG80000034734	1/2 - 1 Mile SE
9	NYOG80000034844	1/2 - 1 Mile SW
10	NYOG80000034807	1/2 - 1 Mile West
11	NYOG80000034680	1/2 - 1 Mile North
12	NYOG80000034620	1/2 - 1 Mile NNW

PHYSICAL SETTING SOURCE MAP - 4444330.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	1232 Indian Falls Road	CLIENT:	Great Lakes Environmental
ADDRESS:	1232 Indian Falls Road Corfu NY 14036	CONTACT:	Danielle Bastian
		INQUIRY #:	4444330.2s
LAT/LONG:	43.0207 / 78.3984	DATE:	October 21, 2015 12:44 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
NY WELLS	NYWS10000005979

1
East
1/8 - 1/4 Mile
Lower

Fid:	5979
County:	GENESEE
Town:	Pembroke
Dec well n:	GS1117
Foil loc:	INDIAN FALLS RD
Latitude:	43 01 15.0
Longitude:	78 23 36.7
Well depth:	70
Rock depth:	8
Gw depth:	42
Cased dept:	19
Scr:	N
Yt avgdisc:	9
Regnumber:	NYRD10139
Ddlat:	43.020833
Ddlong:	-78.393528
Site id:	NYWS10000005979

Database	EDR ID Number
NY WELLS	NYWS10000006008

2
NNW
1/4 - 1/2 Mile
Lower

Fid:	6008
County:	GENESEE
Town:	Pembroke
Dec well n:	GS752
Foil loc:	SLIKER RD
Latitude:	43 01 31.3
Longitude:	78 24 02.6
Well depth:	80
Rock depth:	42
Gw depth:	47
Cased dept:	47
Scr:	N
Yt avgdisc:	14
Regnumber:	NYRD10139
Ddlat:	43.025361
Ddlong:	-78.400722
Site id:	NYWS10000006008

Database	EDR ID Number
NY WELLS	NYWS001164

A3
North
1/4 - 1/2 Mile
Lower

Well Id:	NY1815911	System name:	INDIAN FALLS LOG CABIN REST.
System Id:	001	Well name:	DRILLED WELL
Type:	Well	Active?:	Active
County:	GENESEE COUNTY	Latitude:	430133.96
Longitude:	782357.66	Slec_type_:	AC
Agency:	RASTELLI, VINCENT		
Address:	1185 SLIKER ROAD		
City/State/Zip:	CORFU NY 14036		
Phone:	716-762-8422		

A4
North
1/4 - 1/2 Mile
Lower

NY WELLS **NYWS001165**

Well Id:	NY1815911	System name:	INDIAN FALLS LOG CABIN REST.
System Id:	001	Well name:	DRILLED WELL
Type:	Well	Active?:	Active
County:	GENESEE COUNTY	Latitude:	430133.96
Longitude:	782357.66	Slec_type_:	AC
Agency:	STRATTON, DANIEL		
Address:	1185 SLIKER ROAD		
City/State/Zip:	CORFU NY 14036		
Phone:	716-762-8422		

B5
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000868480**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430129078233501		
Monloc name:	GS 668		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0246389
Longitude:	-78.3930556	Sourcemap scale:	Not Reported
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	813
Vert measure units:	feet	Vertacc measure val:	3
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from digital elevation model (DEM)		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	50
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B6
NE **NY WELLS** **NYWS10000006000**
1/4 - 1/2 Mile
Lower

Fid:	6000
County:	GENESEE
Town:	Pembroke
Dec well n:	GS668
Foil loc:	LITTLE FALLS RD
Latitude:	43 01 28.7
Longitude:	78 23 35.0
Well depth:	50
Rock depth:	28
Gw depth:	15
Cased dept:	30
Scr:	N
Yt avgdisc:	19
Regnumber:	NYRD10139
Ddlat:	43.024639
Ddlong:	-78.393056
Site id:	NYWS10000006000

C7
North **FED USGS** **USGS40000868576**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430136078235001		
Monloc name:	GS 269		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0267417
Longitude:	-78.3973083	Sourcemap scale:	Not Reported
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	802
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	22.8
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D8
NNE
1/4 - 1/2 Mile
Lower

FRDS PWS **NY0015784**

PWS ID:	NY0015784		
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	BOULDER TRAILER PARK PHELPS RD CORFU, NY 14036		
Addressee / Facility:	System Owner/Responsible Party MATTESON CHARLES E 745 GOODRICH RD CLARENCE CENTER, NY 14032		
Facility Latitude:	43 01 35	Facility Longitude:	078 23 42
City Served:	PEMBROKE (T)		
Treatment Class:	Treated	Population:	00000024

Violations information not reported.

D9
NNE
1/4 - 1/2 Mile
Lower

NY WELLS **NYWS001160**

Well Id:	NY1815784	System name:	BOULDER TRAILER PARK
System Id:	001	Well name:	DRILLED WELL
Type:	Well	Active?:	Active
County:	GENESEE COUNTY	Latitude:	430136 000
Longitude:	782339.2	Slec_type_:	AC
Agency:	MATTESON, CHARLES E		
Address:	7745 GOODRICH ROAD		
City/State/Zip:	CLARENCE CENTER NY 14032		
Phone:	Not Reported		

C10
North
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000868602**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430139078235201		
Monloc name:	GS 270		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0274611
Longitude:	-78.3977778	Sourcemap scale:	Not Reported

Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	803.6
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	24.2
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

11
North
1/2 - 1 Mile
Lower

NY WELLS **NYWS10000005994**

Fid:	5994
County:	GENESEE
Town:	Pembroke
Dec well n:	GS552
Foil loc:	SHORT ST
Latitude:	43 01 44.9
Longitude:	78 23 58.7
Well depth:	120
Rock depth:	6
Gw depth:	Not Reported
Cased dept:	70
Scr:	N
Yt avgdisc:	15
Regnumber:	NYRD10009
Ddlat:	43.029139
Ddlong:	-78.399639
Site id:	NYWS10000005994

12
NE
1/2 - 1 Mile
Lower

NY WELLS **NYWS10000006013**

Fid:	6013
County:	GENESEE
Town:	Pembroke
Dec well n:	GS846
Foil loc:	PHELPS RD
Latitude:	43 01 35.8
Longitude:	78 23 20.5
Well depth:	98
Rock depth:	30
Gw depth:	Not Reported

Cased dept:	51
Scr:	N
Yt avgdisc:	Not Reported
Regnumber:	NYRD10009
Ddlat:	43.026611
Ddlong:	-78.389028
Site id:	NYWS10000006013

E13
West
1/2 - 1 Mile
Higher

NY WELLS **NYWS10000005988**

Fid:	5988
County:	GENESEE
Town:	Pembroke
Dec well n:	GS434
Foil loc:	GABBEY RD
Latitude:	43 01 17.0
Longitude:	78 24 42.5
Well depth:	84
Rock depth:	17
Gw depth:	56
Cased dept:	30
Scr:	N
Yt avgdisc:	3
Regnumber:	NYRD10009
Ddlat:	43.021389
Ddlong:	-78.411806
Site id:	NYWS10000005988

E14
West
1/2 - 1 Mile
Higher

NY WELLS **NYWS10000006010**

Fid:	6010
County:	GENESEE
Town:	Pembroke
Dec well n:	GS802
Foil loc:	GABBEY RD
Latitude:	43 01 17.0
Longitude:	78 24 42.5
Well depth:	141
Rock depth:	Not Reported
Gw depth:	Not Reported
Cased dept:	Not Reported
Scr:	N
Yt avgdisc:	Not Reported
Regnumber:	NYRD10009
Ddlat:	43.021389
Ddlong:	-78.411806
Site id:	NYWS10000006010

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E15
West
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000868344**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430117078244201		
Monloc name:	GS 434		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0213889
Longitude:	-78.4118056	Sourcemap scale:	Not Reported
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	884
Vert measure units:	feet	Vertacc measure val:	3
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from digital elevation model (DEM)		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	84
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

16
NW
1/2 - 1 Mile
Lower | **NY WELLS** | **NYWS10000006009**

Fid:	6009
County:	GENESEE
Town:	Pembroke
Dec well n:	GS784
Foil loc:	SLIKER RD
Latitude:	43 01 37.4
Longitude:	78 24 32.6
Well depth:	80
Rock depth:	20
Gw depth:	55
Cased dept:	Not Reported
Scr:	N
Yt avgdisc:	Not Reported
Regnumber:	NYRD10009
Ddlat:	43.027056
Ddlong:	-78.409056
Site id:	NYWS10000006009

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

17
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000868312**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430113078230401		
Monloc name:	GS 120		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	04120104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0203371
Longitude:	-78.384188	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	850.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New York and New England carbonate-rock aquifers		
Formation type:	Onondaga Limestone		
Aquifer type:	Not Reported		
Construction date:	1963	Welldepth:	75
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1963-11	29	

18
West
1/2 - 1 Mile
Higher

NY WELLS **NYWS10000006005**

Fid:	6005
County:	GENESEE
Town:	Pembroke
Dec well n:	GS726
Foil loc:	WYMANN RD
Latitude:	43 01 19.0
Longitude:	78 24 48.2
Well depth:	75
Rock depth:	12
Gw depth:	27
Cased dept:	20
Scr:	N
Yt avgdisc:	7
Regnumber:	NYRD10139
Ddlat:	43.021944
Ddlong:	-78.413389
Site id:	NYWS10000006005

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F19
WNW
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000868543**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430133078244301		
Monloc name:	GS 422		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0258333
Longitude:	-78.4119444	Sourcemap scale:	Not Reported
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	862
Vert measure units:	feet	Vertacc measure val:	3
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from digital elevation model (DEM)		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	115
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

F20
WNW
1/2 - 1 Mile
Higher | **NY WELLS** | **NYWS10000005986**

Fid:	5986
County:	GENESEE
Town:	Pembroke
Dec well n:	GS422
Foil loc:	SLIKER RD
Latitude:	43 01 33.0
Longitude:	78 24 43.0
Well depth:	115
Rock depth:	7
Gw depth:	Not Reported
Cased dept:	35.5
Scr:	N
Yt avgdisc:	Not Reported
Regnumber:	NYRD10009
Ddlat:	43.025833
Ddlong:	-78.411944
Site id:	NYWS10000005986

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G21
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000868597**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430138078244001		
Monloc name:	GS 523		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0270833
Longitude:	-78.411	Sourcemap scale:	Not Reported
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	814
Vert measure units:	feet	Vertacc measure val:	3
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from digital elevation model (DEM)		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	66
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

G22
NW
1/2 - 1 Mile
Lower

NY WELLS **NYWS10000005991**

Fid:	5991
County:	GENESEE
Town:	Pembroke
Dec well n:	GS523
Foil loc:	SLIKER RD
Latitude:	43 01 37.5
Longitude:	78 24 39.6
Well depth:	66
Rock depth:	1
Gw depth:	40
Cased dept:	20
Scr:	N
Yt avgdisc:	25
Regnumber:	NYRD10009
Ddlat:	43.027083
Ddlong:	-78.411
Site id:	NYWS10000005991

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
H23 **WSW** **1/2 - 1 Mile** **Lower**	**NY WELLS**	**NYWS10000005998**

Fid:	5998
County:	GENESEE
Town:	Pembroke
Dec well n:	GS654
Foil loc:	GABBEY RD
Latitude:	43 01 03.7
Longitude:	78 24 56.2
Well depth:	68
Rock depth:	17
Gw depth:	9
Cased dept:	17
Scr:	N
Yt avgdisc:	18
Regnumber:	NYRD10139
Ddlat:	43.017694
Ddlong:	-78.415611
Site id:	NYWS10000005998

	Database	EDR ID Number
H24 **WSW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000868222**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430104078245601		
Monloc name:	GS 654		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0176944
Longitude:	-78.4156111	Sourcemap scale:	Not Reported
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	855
Vert measure units:	feet	Vertacc measure val:	3
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from digital elevation model (DEM)		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	70
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
I25 **West** **1/2 - 1 Mile** **Lower**	**NY WELLS**	**NYWS10000005984**

Fid:	5984
County:	GENESEE
Town:	Pembroke
Dec well n:	GS407
Foil loc:	GABBY RD
Latitude:	43 01 13.1
Longitude:	78 24 58.1
Well depth:	49
Rock depth:	5
Gw depth:	23
Cased dept:	8
Scr:	N
Yt avgdisc:	15
Regnumber:	NYRD10139
Ddlat:	43.020306
Ddlong:	-78.416139
Site id:	NYWS10000005984

	Database	EDR ID Number
I26 **West** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000868313**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430113078245801		
Monloc name:	GS 407		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0203056
Longitude:	-78.4161389	Sourcemap scale:	Not Reported
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	854
Vert measure units:	feet	Vertacc measure val:	3
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from digital elevation model (DEM)		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	49
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

27
East
1/2 - 1 Mile
Lower

NY WELLS **NYWS10000006015**

Fid:	6015
County:	GENESEE
Town:	Pembroke
Dec well n:	GS965
Foil loc:	INDIAN FALLS RD
Latitude:	43 01 13.4
Longitude:	78 22 50.3
Well depth:	78
Rock depth:	22
Gw depth:	32.5
Cased dept:	22.5
Scr:	N
Yt avgdisc:	13
Regnumber:	NYRD10139
Ddlat:	43.020389
Ddlong:	-78.380639
Site id:	NYWS10000006015

28
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000868544**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430133078245601		
Monloc name:	GS 675		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0258611
Longitude:	-78.4156667	Sourcemap scale:	Not Reported
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	851
Vert measure units:	feet	Vertacc measure val:	3
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from digital elevation model (DEM)		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	110
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J29
ENE
1/2 - 1 Mile
Lower

NY WELLS **NYWS10000005999**

Fid:	5999
County:	GENESEE
Town:	Pembroke
Dec well n:	GS667
Foil loc:	PHELPS RD
Latitude:	43 01 36.9
Longitude:	78 22 51.9
Well depth:	41
Rock depth:	29
Gw depth:	30
Cased dept:	29
Scr:	N
Yt avgdisc:	19
Regnumber:	NYRD10139
Ddlat:	43.026917
Ddlong:	-78.381083
Site id:	NYWS10000005999

J30
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS40000868582**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430137078225201		
Monloc name:	GS 667		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0269167
Longitude:	-78.3810833	Sourcemap scale:	Not Reported
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	834
Vert measure units:	feet	Vertacc measure val:	3
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from digital elevation model (DEM)		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	41
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

31
SSW **FED USGS** **USGS40000867909**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430026078241901		
Monloc name:	GS 239		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0071667
Longitude:	-78.4052778	Sourcemap scale:	Not Reported
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	859
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Reported		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	65.5
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SE **OIL_GAS** **NYOG80000034724**
1/8 - 1/4 Mile

Api wellno:	31037196270000	Cnty:	37
Hole:	19627	Sidetrck:	0
Completion:	0	Well name:	Schmigel, D. 1
Company na:	United States Gypsum Co.	Operator n:	1527
Well type:	GD	Map symbol:	GW
Well statu:	AC	Date statu:	1991-12-31 00:00:00
Date permi:	1986-01-08 00:00:00	Permit iss:	1986-01-17 00:00:00
Date spudd:	1986-03-21 00:00:00	Date total:	1986-03-31 00:00:00
Date well :	1986-04-16 00:00:00	Date wel00:	Not Reported
Date wel01:	Not Reported	Confid:	No
Town:	Pembroke	Quad:	Akron
Quadsec:	I	Producing :	Indian Falls
Producin00:	Medina	Financial :	True
Slant:	Vertical	County:	Genesee
Region:	8	State leas:	NA
Proposed d:	990	Surface lo:	SURF
Surface 00:	-78.39478		
Surface la:	43.01862		
Bottom hol:	BH		
Bottom h00:	-78.39478		
Bottom h01:	43.01862		
True verti:	1015	Measured d:	1015
Kickoff:	0	Drilleddep:	1015
Elevation:	844	Original w:	NL
Permit fee:	350	Objective :	Not Applicable
Depth fee:	250	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2004-01-05 10:40:41.763000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31037196270000		
Site id:	NYOG80000034724		

2
WNW **OIL_GAS** **NYOG80000034803**
1/4 - 1/2 Mile

Api wellno:	31037204970000	Cnty:	37
Hole:	20497	Sidetrck:	0
Completion:	0	Well name:	Schafer 3
Company na:	United States Gypsum Co.	Operator n:	1527
Well type:	GD	Map symbol:	GWP
Well statu:	PA	Date statu:	1996-11-13 00:00:00
Date permi:	1987-07-13 00:00:00	Permit iss:	1987-07-23 00:00:00
Date spudd:	1987-07-29 00:00:00	Date total:	1987-08-09 00:00:00
Date well :	1987-09-16 00:00:00	Date wel00:	1996-11-13 00:00:00
Date wel01:	Not Reported	Confid:	No
Town:	Pembroke	Quad:	Akron
Quadsec:	I	Producing :	Indian Falls
Producin00:	Medina	Financial :	True
Slant:	Vertical	County:	Genesee
Region:	8	State leas:	NA
Proposed d:	990	Surface lo:	SURF
Surface 00:	-78.4062		
Surface la:	43.02275		
Bottom hol:	BH		
Bottom h00:	-78.4062		

Bottom h01:	43.02275		
True verti:	1030	Measured d:	1030
Kickoff:	0	Drilleddep:	1030
Elevation:	860	Original w:	NL
Permit fee:	350	Objective :	Medina
Depth fee:	250	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2003-01-16 13:05:49.530000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31037204970000		
Site id:	NYOG80000034803		

A3
East
1/4 - 1/2 Mile

OIL_GAS **NYOG80000034957**

Api wellno:	31037529090000	Cnty:	37
Hole:	52909	Sidetrck:	0
Completion:	0	Well name:	Thompson 1-S
Company na:	Gypsum Energy Management Co.	Operator n:	329
Well type:	DH	Map symbol:	DH
Well statu:	PA	Date statu:	1985-11-09 00:00:00
Date permi:	1985-08-13 00:00:00	Permit iss:	1985-09-06 00:00:00
Date spudd:	Not Reported	Date total:	Not Reported
Date well :	1985-11-09 00:00:00	Date wel00:	1985-11-09 00:00:00
Date wel01:	Not Reported	Confid:	No
Town:	Pembroke	Quad:	Akron
Quadsec:	I	Producing :	Indian Falls
Producin00:	Not Applicable	Financial :	Not Reported
Slant:	Vertical	County:	Genesee
Region:	8	State leas:	NA
Proposed d:	1016	Surface lo:	SURF
Surface 00:	-78.38879		
Surface la:	43.02093		
Bottom hol:	BH		
Bottom h00:	-78.38879		
Bottom h01:	43.02093		
True verti:	186	Measured d:	186
Kickoff:	0	Drilleddep:	186
Elevation:	850	Original w:	NL
Permit fee:	475	Objective :	Not Applicable
Depth fee:	375	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2015-01-23 13:42:43.293000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31037529090000		
Site id:	NYOG80000034957		

A4
East
1/4 - 1/2 Mile

OIL_GAS **NYOG80000034717**

Api wellno:	31037195470000	Cnty:	37
Hole:	19547	Sidetrck:	0
Completion:	0	Well name:	Thompson 1a
Company na:	United States Gypsum Co.	Operator n:	1527
Well type:	GD	Map symbol:	GW
Well statu:	AC	Date statu:	1991-12-31 00:00:00
Date permi:	1985-08-14 00:00:00	Permit iss:	1985-09-06 00:00:00
Date spudd:	1985-11-06 00:00:00	Date total:	1985-11-12 00:00:00
Date well :	1985-12-05 00:00:00	Date wel00:	Not Reported
Date wel01:	Not Reported	Confid:	No
Town:	Pembroke	Quad:	Akron
Quadsec:	I	Producing :	Indian Falls
Producin00:	Medina	Financial :	True
Slant:	Vertical	County:	Genesee
Region:	8	State leas:	NA
Proposed d:	1016	Surface lo:	SURF
Surface 00:	-78.38879		
Surface la:	43.02094		
Bottom hol:	BH		
Bottom h00:	-78.38879		
Bottom h01:	43.02094		
True verti:	1000	Measured d:	1000
Kickoff:	0	Drilleddep:	1000
Elevation:	850	Original w:	NL
Permit fee:	475	Objective :	Not Applicable
Depth fee:	375	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2004-01-05 10:40:41.733000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31037195470000		
Site id:	NYOG80000034717		

5
NE
1/2 - 1 Mile

OIL_GAS **NYOG80000034684**

Api wellno:	31037194930000	Cnty:	37
Hole:	19493	Sidetrck:	0
Completion:	0	Well name:	Klotzbach, J. 1
Company na:	United States Gypsum Co.	Operator n:	1527
Well type:	GD	Map symbol:	GW
Well statu:	AC	Date statu:	1991-12-31 00:00:00
Date permi:	1985-06-24 00:00:00	Permit iss:	1985-07-09 00:00:00
Date spudd:	1985-10-18 00:00:00	Date total:	1985-10-29 00:00:00
Date well :	1985-11-15 00:00:00	Date wel00:	Not Reported
Date wel01:	Not Reported	Confid:	No
Town:	Pembroke	Quad:	Akron
Quadsec:	I	Producing :	Indian Falls
Producin00:	Medina	Financial :	True
Slant:	Vertical	County:	Genesee
Region:	8	State leas:	NA
Proposed d:	984	Surface lo:	SURF
Surface 00:	-78.39029		
Surface la:	43.0277		
Bottom hol:	BH		
Bottom h00:	-78.39029		

Bottom h01:	43.0277		
True verti:	985	Measured d:	985
Kickoff:	0	Drilleddep:	985
Elevation:	853	Original w:	NL
Permit fee:	350	Objective :	Not Applicable
Depth fee:	250	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2004-01-05 10:40:40.483000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31037194930000		
Site id:	NYOG80000034684		

6
West
1/2 - 1 Mile

OIL_GAS **NYOG80000034756**

Api wellno:	31037196900000	Cnty:	37
Hole:	19690	Sidetrck:	0
Completion:	0	Well name:	Schafer, L. 1
Company na:	United States Gypsum Co.	Operator n:	1527
Well type:	GD	Map symbol:	GW
Well statu:	AC	Date statu:	1991-12-31 00:00:00
Date permi:	1986-07-01 00:00:00	Permit iss:	1986-07-17 00:00:00
Date spudd:	1986-07-28 00:00:00	Date total:	1986-08-01 00:00:00
Date well :	1986-08-22 00:00:00	Date wel00:	Not Reported
Date wel01:	Not Reported	Confid:	No
Town:	Pembroke	Quad:	Akron
Quadsec:	I	Producing :	Indian Falls
Producin00:	Medina	Financial :	True
Slant:	Vertical	County:	Genesee
Region:	8	State leas:	NA
Proposed d:	985	Surface lo:	SURF
Surface 00:	-78.41137		
Surface la:	43.02019		
Bottom hol:	BH		
Bottom h00:	-78.41137		
Bottom h01:	43.02019		
True verti:	1040	Measured d:	1040
Kickoff:	0	Drilleddep:	1040
Elevation:	879	Original w:	NL
Permit fee:	350	Objective :	Medina
Depth fee:	250	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2004-01-05 10:40:41.903000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31037196900000		
Site id:	NYOG80000034756		

7
WNW
1/2 - 1 Mile

OIL_GAS **NYOG80000034802**

Api wellno:	31037204960000	Cnty:	37
Hole:	20496	Sidetrck:	0
Completion:	0	Well name:	Schafer, L. 2
Company na:	United States Gypsum Co.	Operator n:	1527
Well type:	GD	Map symbol:	GW
Well statu:	AC	Date statu:	1991-12-31 00:00:00
Date permi:	1987-07-13 00:00:00	Permit iss:	1987-07-24 00:00:00
Date spudd:	1987-08-11 00:00:00	Date total:	1987-08-17 00:00:00
Date well :	1987-09-22 00:00:00	Date wel00:	Not Reported
Date wel01:	Not Reported	Confid:	No
Town:	Pembroke	Quad:	Akron
Quadsec:	I	Producing :	Indian Falls
Producin00:	Medina	Financial :	True
Slant:	Vertical	County:	Genesee
Region:	8	State leas:	NA
Proposed d:	985	Surface lo:	SURF
Surface 00:	-78.41257		
Surface la:	43.02481		
Bottom hol:	BH		
Bottom h00:	-78.41257		
Bottom h01:	43.02481		
True verti:	1010	Measured d:	1010
Kickoff:	0	Drilleddep:	1010
Elevation:	864	Original w:	NL
Permit fee:	350	Objective :	Medina
Depth fee:	250	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2004-01-05 10:40:42.093000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31037204960000		
Site id:	NYOG80000034802		

8
SE
1/2 - 1 Mile

OIL_GAS **NYOG80000034734**

Api wellno:	31037196570000	Cnty:	37
Hole:	19657	Sidetrck:	0
Completion:	0	Well name:	Sportster’s Gun Club 1
Company na:	United States Gypsum Co.	Operator n:	1527
Well type:	GD	Map symbol:	GW
Well statu:	AC	Date statu:	1991-12-31 00:00:00
Date permi:	1986-03-24 00:00:00	Permit iss:	1986-04-22 00:00:00
Date spudd:	1986-05-16 00:00:00	Date total:	1986-05-23 00:00:00
Date well :	1986-06-09 00:00:00	Date wel00:	Not Reported
Date wel01:	Not Reported	Confid:	No
Town:	Pembroke	Quad:	Akron
Quadsec:	I	Producing :	Indian Falls
Producin00:	Medina	Financial :	True
Slant:	Vertical	County:	Genesee
Region:	8	State leas:	NA
Proposed d:	996	Surface lo:	SURF
Surface 00:	-78.38583		
Surface la:	43.01337		
Bottom hol:	BH		
Bottom h00:	-78.38583		

Bottom h01:	43.01337		
True verti:	1027	Measured d:	1027
Kickoff:	0	Drilleddep:	1027
Elevation:	850	Original w:	NL
Permit fee:	350	Objective :	Medina
Depth fee:	250	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2004-01-05 10:40:41.797000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31037196570000		
Site id:	NYOG80000034734		

9
SW
1/2 - 1 Mile

OIL_GAS **NYOG80000034844**

Api wellno:	31037206960000	Cnty:	37
Hole:	20696	Sidetrck:	0
Completion:	0	Well name:	Kokot, M. 1
Company na:	United States Gypsum Co.	Operator n:	1527
Well type:	GD	Map symbol:	GW
Well statu:	AC	Date statu:	1991-12-31 00:00:00
Date permi:	1989-03-30 00:00:00	Permit iss:	1989-04-12 00:00:00
Date spudd:	1989-05-12 00:00:00	Date total:	1989-05-17 00:00:00
Date well :	1989-09-01 00:00:00	Date wel00:	Not Reported
Date wel01:	Not Reported	Confid:	No
Town:	Pembroke	Quad:	Akron
Quadsec:	I	Producing :	Indian Falls
Producin00:	Medina	Financial :	True
Slant:	Vertical	County:	Genesee
Region:	8	State leas:	NA
Proposed d:	1040	Surface lo:	SURF
Surface 00:	-78.41185		
Surface la:	43.01257		
Bottom hol:	BH		
Bottom h00:	-78.41185		
Bottom h01:	43.01257		
True verti:	1037	Measured d:	1037
Kickoff:	0	Drilleddep:	1037
Elevation:	857	Original w:	NL
Permit fee:	475	Objective :	Medina
Depth fee:	375	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2004-01-05 10:40:42.250000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31037206960000		
Site id:	NYOG80000034844		

10
West
1/2 - 1 Mile

OIL_GAS **NYOG80000034807**

Api wellno:	31037205480000	Cnty:	37
Hole:	20548	Sidetrck:	0
Completion:	0	Well name:	Kern, R. 2
Company na:	United States Gypsum Co.	Operator n:	1527
Well type:	GD	Map symbol:	GW
Well statu:	AC	Date statu:	1991-12-31 00:00:00
Date permi:	1987-09-18 00:00:00	Permit iss:	1987-10-14 00:00:00
Date spudd:	1987-11-17 00:00:00	Date total:	1987-11-20 00:00:00
Date well :	1987-12-02 00:00:00	Date wel00:	Not Reported
Date wel01:	Not Reported	Confid:	No
Town:	Pembroke	Quad:	Akron
Quadsec:	H	Producing :	Indian Falls
Producin00:	Medina	Financial :	True
Slant:	Vertical	County:	Genesee
Region:	8	State leas:	NA
Proposed d:	995	Surface lo:	SURF
Surface 00:	-78.41679		
Surface la:	43.02082		
Bottom hol:	BH		
Bottom h00:	-78.41679		
Bottom h01:	43.02082		
True verti:	1015	Measured d:	1015
Kickoff:	0	Drilleddep:	1015
Elevation:	850	Original w:	NL
Permit fee:	350	Objective :	Medina
Depth fee:	250	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2004-01-05 10:40:42.110000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31037205480000		
Site id:	NYOG80000034807		

11
North
1/2 - 1 Mile

OIL_GAS **NYOG80000034680**

Api wellno:	31037194800000	Cnty:	37
Hole:	19480	Sidetrck:	0
Completion:	0	Well name:	Klotzbach, A. 1
Company na:	United States Gypsum Co.	Operator n:	1527
Well type:	GD	Map symbol:	GWP
Well statu:	PA	Date statu:	2005-10-12 00:00:00
Date permi:	1985-05-13 00:00:00	Permit iss:	1985-06-12 00:00:00
Date spudd:	1985-06-25 00:00:00	Date total:	1985-06-29 00:00:00
Date well :	2005-10-12 00:00:00	Date wel00:	2005-10-12 00:00:00
Date wel01:	Not Reported	Confid:	No
Town:	Alabama	Quad:	Akron
Quadsec:	I	Producing :	Indian Falls
Producin00:	Not Applicable	Financial :	True
Slant:	Vertical	County:	Genesee
Region:	8	State leas:	NA
Proposed d:	961	Surface lo:	SURF
Surface 00:	-78.39872		
Surface la:	43.0343		
Bottom hol:	BH		
Bottom h00:	-78.39872		

Bottom h01:	43.0343		
True verti:	965	Measured d:	965
Kickoff:	0	Drilleddep:	965
Elevation:	850	Original w:	GD
Permit fee:	350	Objective :	Medina
Depth fee:	250	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2005-10-13 08:52:01.490000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31037194800000		
Site id:	NYOG80000034680		

12
NNW **OIL_GAS** **NYOG80000034620**
1/2 - 1 Mile

Api wellno:	31037175860000	Cnty:	37
Hole:	17586	Sidetrck:	0
Completion:	0	Well name:	Meiser 2
Company na:	United States Gypsum Co.	Operator n:	1527
Well type:	GD	Map symbol:	GWP
Well statu:	PA	Date statu:	2000-02-10 00:00:00
Date permi:	1984-09-14 00:00:00	Permit iss:	1984-09-25 00:00:00
Date spudd:	1984-11-14 00:00:00	Date total:	1984-12-19 00:00:00
Date well :	1985-01-15 00:00:00	Date wel00:	2000-02-10 00:00:00
Date wel01:	Not Reported	Confid:	No
Town:	Alabama	Quad:	Akron
Quadsec:	I	Producing :	Indian Falls
Producin00:	Medina	Financial :	True
Slant:	Vertical	County:	Genesee
Region:	8	State leas:	NA
Proposed d:	975	Surface lo:	SURF
Surface 00:	-78.40677		
Surface la:	43.03306		
Bottom hol:	BH		
Bottom h00:	-78.40677		
Bottom h01:	43.03306		
True verti:	995	Measured d:	995
Kickoff:	0	Drilleddep:	995
Elevation:	832	Original w:	NL
Permit fee:	350	Objective :	Not Applicable
Depth fee:	250	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	2003-01-16 13:05:48.873000000
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31037175860000		
Site id:	NYOG80000034620		

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
GENESEE	ALABAMA	16	2.17	2.03	4.2
GENESEE	ALEXANDER	30	3.68	2.76	16
GENESEE	BATAVIA	292	8.82	3.61	322.7
GENESEE	BERGEN	33	10.89	5.07	122.6
GENESEE	BETHANY	26	8.86	3.68	95.2
GENESEE	BYRON	21	5.96	2.99	44.8
GENESEE	DARIEN	41	10.07	2.99	187.9
GENESEE	ELBA	24	2.88	2.08	9
GENESEE	LE ROY	63	6.64	3.63	47.6
GENESEE	OAKFIELD	42	3.81	2.77	17.2
GENESEE	PAVILION	28	3.84	2.61	19.2
GENESEE	PEMBROKE	58	7.25	2.49	136.1
GENESEE	STAFFORD	21	16.9	6.03	89.6

Federal EPA Radon Zone for GENESEE 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 GENESEE COUNTY, NY

Number of sites tested: 91

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.760 pCi/L	86%	14%	0%
Basement	2.400 pCi/L	68%	27%	4%

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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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 Services
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 Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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
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

1232 Indian Falls Road
1232 Indian Falls Road
Corfu, NY 14036

Inquiry Number: 4444330.6s
October 27, 2015

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

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

TABLE OF CONTENTS

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

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 the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600-10).

STANDARD ENVIRONMENTAL RECORDS	Maximum Search Distance*	Summary: property	1/10	1/10 - 1/3
Federal NPL	0.333	0	0	0
Federal CERCLIS	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	0	0
Federal RCRA TSD facilities list	0.333	0	0	0
Federal RCRA generators list	property	0	-	-
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	0	-	-
State and tribal - equivalent NPL	not searched	-	-	-
State and tribal - equivalent CERCLIS	0.333	0	0	0
State and tribal landfill / solid waste disposal	0.333	0	0	0
State and tribal leaking storage tank lists	0.333	0	5	1
State and tribal registered storage tank lists	property	0	-	-
State and tribal institutional control / engineering control registries	property	0	-	-
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfields sites	0.333	0	0	0
Other Standard Environmental Records	0.333	0	16	0

HISTORICAL USE RECORDS				
Former manufactured Gas Plants	0.333	0	0	0
Historical Gas Stations	0.25	0	0	0
Historical Dry Cleaners	0.25	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied. See the section 'Record Sources and Currency' for information on individual databases.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

1232 INDIAN FALLS ROAD
1232 INDIAN FALLS ROAD
CORFU, NY 14036

COORDINATES

Latitude (North):	43.0207 - 43° 1′ 14.5147705″
Longitude (West):	78.3984 - 78° 23′ 54.23767″
Elevation:	862 ft. above sea level

EXECUTIVE SUMMARY

PHYSICAL SETTING INFORMATION

Flood Zone:	Available
NWI Wetlands:	Available

AQUIFLOW®

Search Radius: 0.333 Mile.

No Aquiflow sites reported.

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. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name:	Lamson
Soil Surface Texture:	very fine sandy loam
Hydrologic Group:	Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.
Soil Drainage Class:	Poorly drained
Hydric Status:	All hydric
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	very fine sandy 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: 42 Min: 4	Max: 7.8 Min: 5.6

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	14 inches	38 inches	very fine sandy 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: 42 Min: 4	Max: 8.4 Min: 6.1
3	38 inches	72 inches	stratified very fine sand to fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 8.4 Min: 6.1

Soil Map ID: 2

Soil Component Name: Romulus

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 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: 4 Min: 1.4	Max: 7.3 Min: 6.1

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	11 inches	25 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
3	25 inches	72 inches	gravelly 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%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: Ilion

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 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: 14 Min: 1.4	Max: 7.3 Min: 5.6

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	14 inches	35 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 5.6
3	35 inches	72 inches	channery silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 4

Soil Component Name: Ovid

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: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 25 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 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: 14 Min: 4	Max: 6.5 Min: 5.6

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	11 inches	29 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 5.6
3	29 inches	72 inches	gravelly silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 5

Soil Component Name: Galen

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 51 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy 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: 42 Min: 4	Max: 7.3 Min: 5.1

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	9 inches	20 inches	very fine sandy 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: 42 Min: 4	Max: 7.3 Min: 5.6
3	20 inches	40 inches	loamy very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.6
4	40 inches	72 inches	stratified fine sand to very fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

Soil Map ID: 6

Soil Component Name: Ovid

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: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 25 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 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: 14 Min: 4	Max: 6.5 Min: 5.6
2	11 inches	29 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 5.6
3	29 inches	72 inches	gravelly silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 7

Soil Component Name: Canandaigua

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 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%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	9 inches	38 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%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6
3	38 inches	72 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%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1

Soil Map ID: 8

Soil Component Name: Galen

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 51 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy 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: 42 Min: 4	Max: 7.3 Min: 5.1
2	9 inches	20 inches	very fine sandy 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: 42 Min: 4	Max: 7.3 Min: 5.6
3	20 inches	40 inches	loamy very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.6
4	40 inches	72 inches	stratified fine sand to very fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

Soil Map ID: 9

Soil Component Name: Canandaigua

Soil Surface Texture: mucky silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	mucky 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%), Organic Clay or Organic Silt.	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	9 inches	38 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%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6
3	38 inches	72 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%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.1

Soil Map ID: 10

Soil Component Name: Water

Soil Surface Texture: mucky silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

EXECUTIVE SUMMARY

Soil Map ID: 11

Soil Component Name: Halsey

Soil Surface Texture: silt loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 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%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	9 inches	25 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.1
3	25 inches	72 inches	stratified gravelly sand to sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 8.4 Min: 5.6

Soil Map ID: 12

Soil Component Name: Udorthents, smoothed

Soil Surface Texture: gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 1.4	Max: 8.4 Min: 4.5
2	5 inches	72 inches	very gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 1.4	Max: 8.4 Min: 4.5

Soil Map ID: 13

Soil Component Name: Phelps

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

EXECUTIVE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	9 inches	11 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	11 inches	24 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
4	24 inches	35 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.8 Min: 6.1
5	35 inches	72 inches	stratified very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 14	Max: 8.4 Min: 7.4

EXECUTIVE SUMMARY

Soil Map ID: 14

Soil Component Name: Arkport

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
2	9 inches	20 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
3	20 inches	42 inches	loamy very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1
4	42 inches	72 inches	stratified loamy fine sand to very fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 5.6

Soil Map ID: 15

Soil Component Name: Wayland

Soil Surface Texture: silt loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 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: 14 Min: 1.4	Max: 7.3 Min: 5.1
2	9 inches	25 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: 4 Min: 0.42	Max: 7.3 Min: 5.1
3	25 inches	72 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 5.1

Soil Map ID: 16

Soil Component Name: Niagara

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: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 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: 14 Min: 4	Max: 7.3 Min: 5.1
2	11 inches	25 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6
3	25 inches	72 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%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 17

Soil Component Name: Lamson

Soil Surface Texture: mucky very fine sandy loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	mucky very fine sandy 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: 42 Min: 4	Max: 7.8 Min: 5.6
2	14 inches	38 inches	very fine sandy 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: 42 Min: 4	Max: 8.4 Min: 6.1
3	38 inches	72 inches	stratified very fine sand to fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 8.4 Min: 6.1

Soil Map ID: 18

Soil Component Name: Collamer

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: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 56 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 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%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	9 inches	22 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%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	22 inches	38 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%), Lean Clay	Max: 4 Min: 0.42	Max: 7.8 Min: 5.6
4	38 inches	72 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%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.1

Soil Map ID: 19

Soil Component Name: Palmyra

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.6
2	11 inches	29 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.8 Min: 6.1
3	29 inches	72 inches	stratified very gravelly sand to fine sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 705 Min: 42	Max: 8.4 Min: 7.4

Soil Map ID: 20

Soil Component Name: Dunkirk

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 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%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	14 inches	35 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%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.1
3	35 inches	42 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%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.1
4	42 inches	72 inches	stratified silt to very fine sand	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: 4 Min: 1.4	Max: 8.4 Min: 6.1

Soil Map ID: 21

Soil Component Name: Lima

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	9 inches	20 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
3	20 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 22

Soil Component Name: Lima

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	9 inches	20 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
3	20 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 23

Soil Component Name: Ontario

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 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: 14 Min: 4	Max: 7.3 Min: 5.1
2	7 inches	38 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	38 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 24

Soil Component Name: Palmyra

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.6
2	11 inches	29 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.8 Min: 6.1
3	29 inches	72 inches	stratified very gravelly sand to fine sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 705 Min: 42	Max: 8.4 Min: 7.4

Soil Map ID: 25

Soil Component Name: Ontario

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 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: 14 Min: 4	Max: 7.3 Min: 5.1
2	7 inches	38 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	38 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 26

Soil Component Name: Fredon

Soil Surface Texture: gravelly 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: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	9 inches	35 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	35 inches	72 inches	stratified gravelly sand to fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	SW-SC	Max: 141 Min: 14	Max: 8.4 Min: 5.6

Soil Map ID: 27

Soil Component Name: Ontario

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 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: 14 Min: 4	Max: 7.3 Min: 5.1
2	7 inches	38 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	38 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 28

Soil Component Name: Hilton

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 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%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	9 inches	24 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	24 inches	35 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
4	35 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 29

Soil Component Name: Dunkirk

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 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%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	14 inches	35 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%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.1
3	35 inches	42 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%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.1
4	42 inches	72 inches	stratified silt to very fine sand	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: 4 Min: 1.4	Max: 8.4 Min: 6.1

Soil Map ID: 30

Soil Component Name: Appleton

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: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 20 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	7 inches	16 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%), Lean Clay	Max: 4 Min: 0.42	Max: 7.8 Min: 5.6
3	16 inches	29 inches	gravelly 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%), Lean Clay	Max: 4 Min: 0.42	Max: 7.8 Min: 5.6
4	29 inches	72 inches	fine gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 31

Soil Component Name: Phelps

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	9 inches	11 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	11 inches	24 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6
4	24 inches	35 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.8 Min: 6.1
5	35 inches	72 inches	stratified very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 14	Max: 8.4 Min: 7.4

Soil Map ID: 32

Soil Component Name: Arkport

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

EXECUTIVE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
2	9 inches	20 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
3	20 inches	42 inches	loamy very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1
4	42 inches	72 inches	stratified loamy fine sand to very fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 5.6

Soil Map ID: 33

Soil Component Name: Arkport

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

EXECUTIVE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
2	9 inches	20 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
3	20 inches	42 inches	loamy very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1
4	42 inches	72 inches	stratified loamy fine sand to very fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 5.6

Soil Map ID: 34

Soil Component Name: Palmyra

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

EXECUTIVE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.6
2	11 inches	29 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.8 Min: 6.1
3	29 inches	72 inches	stratified very gravelly sand to fine sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 705 Min: 42	Max: 8.4 Min: 7.4

Soil Map ID: 35

Soil Component Name: Arkport

Soil Surface Texture: very fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
2	9 inches	20 inches	very fine sandy 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: 42 Min: 14	Max: 7.3 Min: 4.5
3	20 inches	42 inches	loamy very fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 5.1
4	42 inches	72 inches	stratified loamy fine sand to very fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 5.6

Soil Map ID: 36

Soil Component Name: Ontario

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 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: 14 Min: 4	Max: 7.3 Min: 5.1
2	7 inches	38 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	38 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 37

Soil Component Name: Ontario

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 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: 14 Min: 4	Max: 7.3 Min: 5.1
2	7 inches	38 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	38 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 38

Soil Component Name: Rubbleland

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

EXECUTIVE SUMMARY

Soil Map ID: 39

Soil Component Name: Benson

Soil Surface Texture: channery loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 48 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	channery loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	9 inches	18 inches	very channery loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 7.8 Min: 6.1
3	18 inches	29 inches	unweathered bedrock	Not reported	Not reported	Max: 4.2 Min: 0	Max: Min:

Soil Map ID: 40

Soil Component Name: Wassaic

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

EXECUTIVE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 76 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 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%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	24 inches	29 inches	channery silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 5.6
3	29 inches	40 inches	Not Reported	Not reported	Not reported	Max: 141 Min: 0	Max: Min:
4	9 inches	24 inches	channery 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%), Lean Clay	Max: 14 Min: 1.4	Max: 7.8 Min: 5.6

Soil Map ID: 41

Soil Component Name: Benson

Soil Surface Texture: channery loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 48 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	channery loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	9 inches	18 inches	very channery loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 7.8 Min: 6.1
3	18 inches	29 inches	unweathered bedrock	Not reported	Not reported	Max: 4.2 Min: 0	Max: Min:

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
TRAVEL CENTER OF AMERICA LTANKS: State and tribal leaking storage tank lists	8120 ALLEGHANY ROAD	<1/10 WSW	▲ 1	49
TRAVEL CENTERS OF AMERICA LTANKS: State and tribal leaking storage tank lists	8240 ALLEGHANY ROAD	<1/10 SW	▼ 2	50
BUFFALO I-90 E AUTO TRK LTANKS: State and tribal leaking storage tank lists	I 90 AND ROUTE 77	<1/10 SSW	▼ A3	51
BFI TRUCKING NY Spills: Other Standard Environmental Records	NYS THRUWAY @ ROUTE 77, N	<1/10 SSW	▼ A4	52
TRUCK STOP OF AMERICA NY Spills: Other Standard Environmental Records	ROUTE I90 EAST	<1/10 SSW	▼ A5	53
TRAVEL AMERICA CENTER CIT NY Spills: Other Standard Environmental Records	ROUTE 77/NYS THRUWAY	<1/10 SSW	▼ A6	54
NATIONAL AUTO TRUCK CENTE NY Spills: Other Standard Environmental Records	NYS THRUWAY AUTO TRUCK CT	<1/10 SSW	▼ A7	55
76 TRUCK STOP NY Spills: Other Standard Environmental Records	ROUTE 77	<1/10 SSW	▼ A8	56
BUFFALO I-90 TRUCKSTOP NY Spills: Other Standard Environmental Records	ROUTE 77	<1/10 SSW	▼ A9	57
48A DINER NY Spills: Other Standard Environmental Records	ROUTE 77	<1/10 SSW	▼ A10	58
NYS THRUWAY NY Spills: Other Standard Environmental Records	MILE MARKER 396 WESTBOUND	<1/10 S	▼ 11	59
TRAVEL CENTERS OF AMERICA NY Spills: Other Standard Environmental Records	ROUTE 77 AND I 90	<1/10 SSW	▼ A12	60
TRAVEL CENTERS OF AMERICA NY Spills: Other Standard Environmental Records LTANKS: State and tribal leaking storage tank lists	8420 ALLEGHANY ROAD	<1/10 SSW	▼ A13	61
TRAVEL CENTERS OF AMERICA	8420 ALLEGHENY ROAD	<1/10 SSW	▼ A14	62

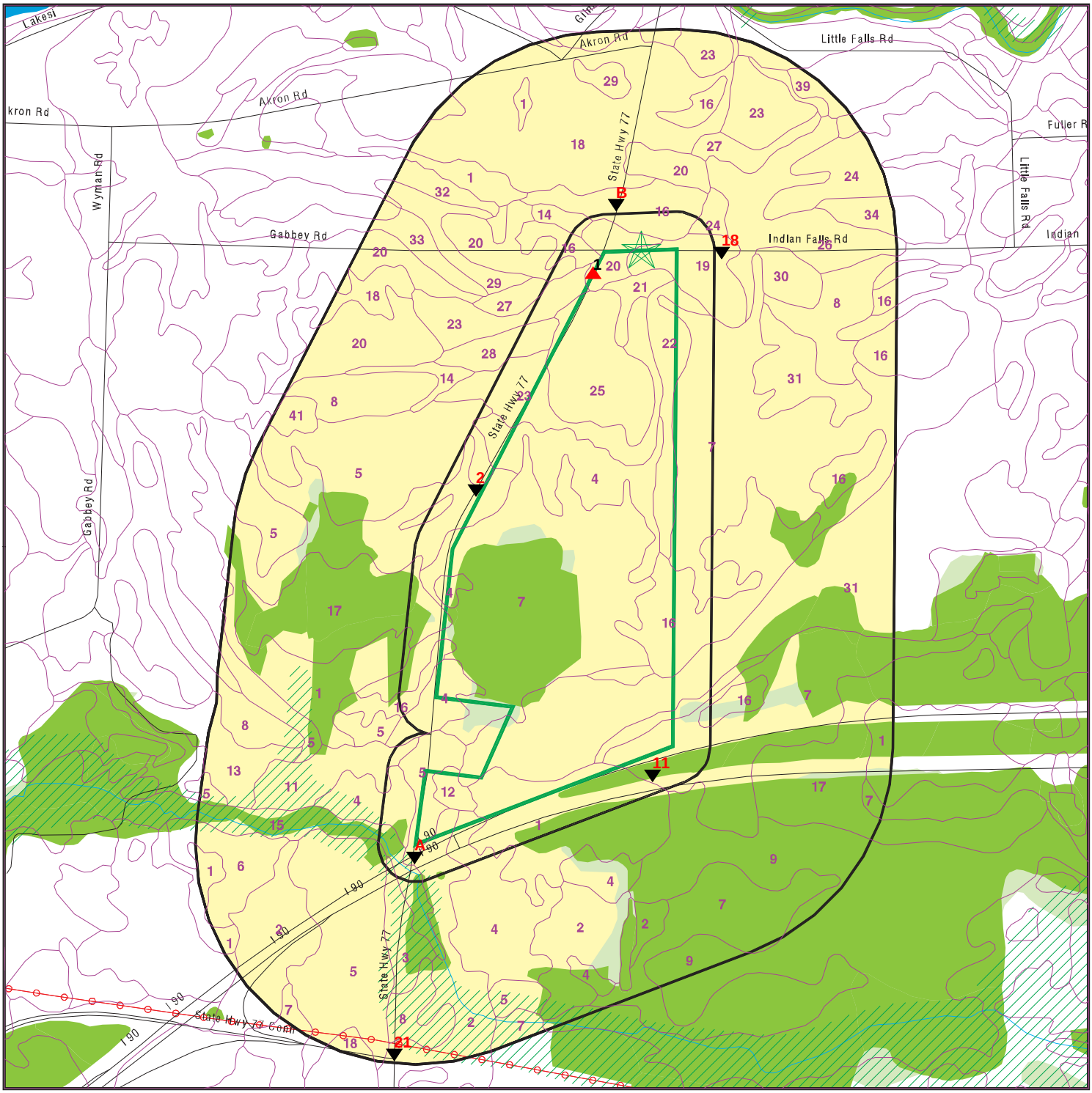
EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
NY Spills: Other Standard Environmental Records				
TA TRAVEL CENTER/SPECIAL METALS CORP.	8420 ALLEGHENY ROAD	<1/10 SSW	▼ A15	63
NY Spills: Other Standard Environmental Records				
TRAVEL CENTERS OF AMERICA	8420 ALLEGANY ROAD	<1/10 SSW	▼ A16	64
NY Spills: Other Standard Environmental Records				
TRAVEL CENTERS OF AMERICA	8420 ALLEGHANY	<1/10 SSW	▼ A17	65
NY Spills: Other Standard Environmental Records				
HAIGHT RESIDENCE	1254 INDIAN FALLS ROAD	<1/10 E	▼ 18	66
NY Spills: Other Standard Environmental Records				
BLACK'S GROCERY STORE	7936 ALLEGANY RD	<1/10 NNW	▼ B19	67
LTANKS: State and tribal leaking storage tank lists				
DIBBLE BROS INC	7935 ALLEGHANY ROAD	<1/10 NNW	▼ B20	68
NY Spills: Other Standard Environmental Records				
TRAVEL CENTER	8460 ALLEGHANY ROAD	1/10 - 1/3 SSW	▼ 21	69
LTANKS: State and tribal leaking storage tank lists				

HISTORICAL USE RECORDS

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 4444330.6S



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

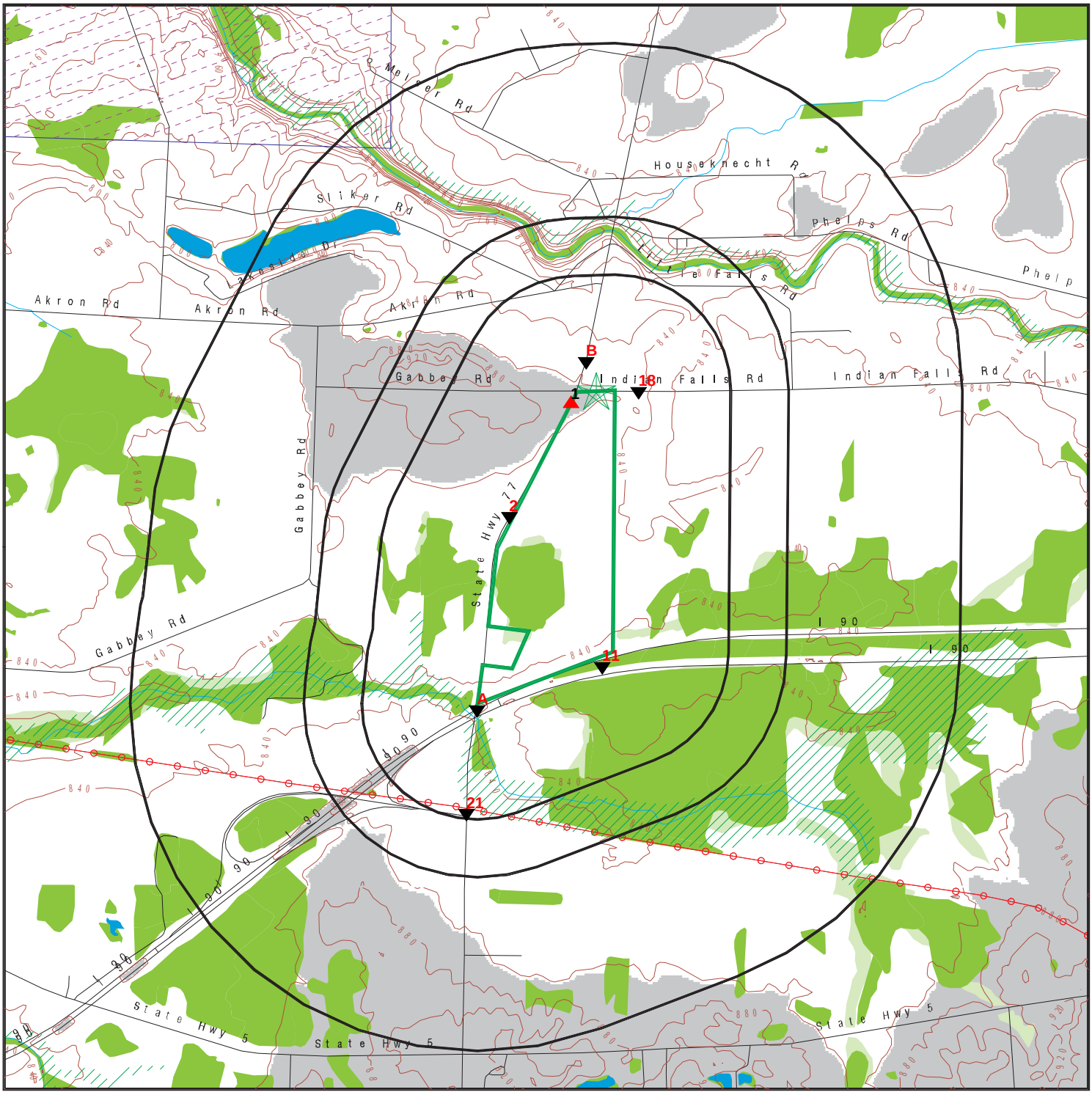
0 300 1/3 1/2 Miles

Indian Reservations BIA
Power transmission lines
100-year flood zone
500-year flood zone
National Wetland Inventory
State Wetlands

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
SSURGO Soil

SITE NAME: 1232 Indian Falls Road	CLIENT: Great Lakes Environmental
ADDRESS: 1232 Indian Falls Road Corfu NY 14036	CONTACT: Danielle Bastian
LAT/LONG: 43.0207 / 78.3984	INQUIRY #: 4444330.6s DATE: October 21, 2015 2:45 pm

SECONDARY MAP - 4444330.6S



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

0 1/3 1/2 1 Miles

Indian Reservations BIA

Contour Lines

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

SITE NAME:	1232 Indian Falls Road	CLIENT:	Great Lakes Environmental
ADDRESS:	1232 Indian Falls Road Corfu NY 14036	CONTACT:	Danielle Bastian
		INQUIRY #:	4444330.6s
LAT/LONG:	43.0207 / 78.3984	DATE:	October 21, 2015 2:42 pm

AERIAL PHOTOGRAPHY - 4444330.6s

0 300 1/3 1/2 Miles

N

SITE NAME:	1232 Indian Falls Road	CLIENT:	Great Lakes Environmental
ADDRESS:	1232 Indian Falls Road Corfu NY 14036	CONTACT:	Danielle Bastian
LAT/LONG:	43.0207 / 78.3984	INQUIRY #:	4444330.6s
		DATE:	October 21, 2015 2:47 pm

MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
▼ MAP ID#	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

TRAVEL CENTER OF AMERICA 8120 ALLEGHANY ROAD, PEMBROKE, NY,			S104621888
▲ 1	WSW <1/10	(0 ft. / 0 mi.)	State and tribal leaking storage tank lists
	5 ft. Higher Elevation	867 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

TRAVEL CENTERS OF AMERICA 8240 ALLEGHANY ROAD, PEMBROKE, NY,			S105135411
▼ 2	SW <1/10	(53 ft. / 0.01 mi.)	State and tribal leaking storage tank lists
	12 ft. Lower Elevation	850 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

BUFFALO I-90 E AUTO TRK I 90 AND ROUTE 77, CORFU, NY,			S103275030
▼ A3	SSW <1/10	(95 ft. / 0.018 mi.)	State and tribal leaking storage tank lists
	21 ft. Lower Elevation	841 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

BFI TRUCKING NYS THRUWAY @ ROUTE 77, N, PEMBROKE, NY, 14036			S102131412
▼ A4	SSW <1/10	(132 ft. / 0.025 mi.)	Other Standard Environmental Records
	22 ft. Lower Elevation	840 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

TRUCK STOP OF AMERICA ROUTE I90 EAST, PEMBROKE, NY,			S106719702
▼ A5	SSW <1/10	(147 ft. / 0.028 mi.)	Other Standard Environmental Records
	22 ft. Lower Elevation	840 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

TRAVEL AMERICA CENTER CIT ROUTE 77/NYS THRUWAY, PEMBROKE, NY,			S107408906
▼ A6	SSW <1/10	(147 ft. / 0.028 mi.)	Other Standard Environmental Records
	22 ft. Lower Elevation	840 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

NATIONAL AUTO TRUCK CENTE NYS THRUWAY AUTO TRUCK CT, PEMBROKE, NY,			S102131798
▼ A7	SSW <1/10	(147 ft. / 0.028 mi.)	Other Standard Environmental Records
	22 ft. Lower Elevation	840 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

76 TRUCK STOP ROUTE 77, PEMBROKE, NY,			S102126441
▼ A8	SSW <1/10	(147 ft. / 0.028 mi.)	Other Standard Environmental Records
	22 ft. Lower Elevation	840 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

BUFFALO I-90 TRUCKSTOP ROUTE 77, PEMBROKE, NY,			S102128761
▼ A9	SSW <1/10	(147 ft. / 0.028 mi.)	Other Standard Environmental Records
	22 ft. Lower Elevation	840 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

48A DINER ROUTE 77, PEMBROKE, NY, 14036			S102127064
▼ A10	SSW <1/10	(147 ft. / 0.028 mi.)	Other Standard Environmental Records
	22 ft. Lower Elevation	840 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

NYS THRUWAY MILE MARKER 396 WESTBOUND, BATAVIA, NY,			S106384708
▼ 11	S <1/10	(149 ft. / 0.028 mi.)	Other Standard Environmental Records
	23 ft. Lower Elevation	839 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

TRAVEL CENTERS OF AMERICA ROUTE 77 AND I 90, PEMBROKE, NY,			S103935964
▼ A12	SSW <1/10	(157 ft. / 0.03 mi.)	Other Standard Environmental Records
	22 ft. Lower Elevation	840 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

TRAVEL CENTERS OF AMERICA 8420 ALLEGHANY ROAD, CORFU, NY, 14036			S106868379
▼ A13	SSW <1/10	(222 ft. / 0.042 mi.)	State and tribal leaking storage tank lists Other Standard Environmental Records
	23 ft. Lower Elevation	839 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

TRAVEL CENTERS OF AMERICA 8420 ALLEGHENY ROAD, CORFU, NY, 14036			S113493678
▼ A14	SSW <1/10	(222 ft. / 0.042 mi.)	Other Standard Environmental Records
	23 ft. Lower Elevation	839 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

TA TRAVEL CENTER/SPECIAL METALS CORP. 8420 ALLEGHENY ROAD, PEMBROKE, NY, 14036			S111458501
▼ A15	SSW <1/10	(222 ft. / 0.042 mi.)	Other Standard Environmental Records
	23 ft. Lower Elevation	839 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

TRAVEL CENTERS OF AMERICA 8420 ALLEGANY ROAD, CORFU, NY, 14036			S110308024
▼ A16	SSW <1/10	(222 ft. / 0.042 mi.)	Other Standard Environmental Records
	23 ft. Lower Elevation	839 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

TRAVEL CENTERS OF AMERICA 8420 ALLEGHANY, CORFU, NY, 14036			S117851248
▼ A17	SSW <1/10	(222 ft. / 0.042 mi.)	Other Standard Environmental Records
	23 ft. Lower Elevation	839 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

HAIGHT RESIDENCE 1254 INDIAN FALLS ROAD, CORFU, NY, 14036			S102678943
▼ 18	E <1/10	(356 ft. / 0.067 mi.)	Other Standard Environmental Records
	12 ft. Lower Elevation	850 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

BLACK'S GROCERY STORE 7936 ALLEGANY RD, CORFU, NY,			S101508503
▼ B19	NNW <1/10	(384 ft. / 0.073 mi.)	State and tribal leaking storage tank lists
	6 ft. Lower Elevation	856 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

DIBBLE BROS INC 7935 ALLEGHANY ROAD, INDIAN FALLS, NY, 14005			S102171470
▼ B20	NNW <1/10	(455 ft. / 0.086 mi.)	Other Standard Environmental Records
	9 ft. Lower Elevation	853 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

MAP FINDINGS

TRAVEL CENTER 8460 ALLEGHANY ROAD, CORFU, NY, 14036			S106702558
▼ 21	SSW 1/10 - 1/3	(1679 ft. / 0.318 mi.)	State and tribal leaking storage tank lists
	12 ft. Lower Elevation	850 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

RECORD SOURCES AND CURRENCY

To maintain currency of the following databases, EDR contacts the appropriate 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

PRP: Potentially Responsible Parties
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Number of Days to Update: 3
Last EDR Contact :05/14/2015
Source: EPA
Telephone: 202-564-6023

RMP: Risk Management Plans
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 02/01/2015
Number of Days to Update: 40
Last EDR Contact :07/22/2015
Source: Environmental Protection Agency
Telephone: 202-564-8600

AIRS: Air Emissions Data
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Point source emissions inventory data.

Date of Government Version: 04/17/2015
Number of Days to Update: 27
Last EDR Contact :07/27/2015
Source: Department of Environmental Conservation
Telephone: 518-402-8452

AST: Petroleum Bulk Storage
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

Registered Aboveground Storage Tanks.

Date of Government Version: 07/29/2015
Number of Days to Update: 23
Last EDR Contact :07/29/2015
Source: Department of Environmental Conservation
Telephone: 518-402-9549

BROWNFIELDS: Brownfields Site List
Standard Environmental Record Source: State and tribal Brownfields sites

Search Distance: 0.333 Mile

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: 08/17/2015
Source: Department of Environmental Conservation
Number of Days to Update: 33
Telephone: 518-402-9764
Last EDR Contact :08/19/2015

CBS: Chemical Bulk Storage Site Listing

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

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: 07/29/2015
Source: Department of Environmental Conservation
Number of Days to Update: 23
Telephone: 518-402-9549
Last EDR Contact :07/29/2015

CBS AST: Chemical Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

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
Source: NYSDEC
Number of Days to Update: 30
Telephone: 518-402-9549
Last EDR Contact :07/25/2005

CBS UST: Chemical Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Source: NYSDEC
Number of Days to Update: 30
Telephone: 518-402-9549
Last EDR Contact :10/24/2005

COAL ASH: Coal Ash Disposal Site Listing

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

A listing of coal ash disposal site locations.

Date of Government Version: 07/05/2015
Source: Department of Environmental Conservation
Number of Days to Update: 14
Telephone: 518-402-8660
Last EDR Contact :07/06/2015

CORTLAND CO. AST: Cortland County Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/28/2015
Source: Cortland County Health Department

Number of Days to Update: 24
Telephone: 607-753-5035
Last EDR Contact :08/03/2015

CORTLAND CO. UST: Cortland County Storage Tank Listing
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/28/2015
Source: Cortland County Health Department
Number of Days to Update: 24
Telephone: 607-753-5035
Last EDR Contact :08/03/2015

DEL SHWS: Delisted Registry Sites
Standard Environmental Record Source: State and tribal - equivalent CERCLIS
Search Distance: 0.333 Mile

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 08/17/2015
Source: Department of Environmental Conservation
Number of Days to Update: 33
Telephone: 518-402-9622
Last EDR Contact :08/19/2015

DRYCLEANERS: Registered Drycleaners
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

A listing of all registered drycleaning facilities.

Date of Government Version: 07/02/2015
Source: Department of Environmental Conservation
Number of Days to Update: 9
Telephone: 518-402-8403
Last EDR Contact :06/11/2015

E DESIGNATION: E DESIGNATION SITE LISTING
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 05/27/2015
Source: New York City Department of City Planning
Number of Days to Update: 27
Telephone: 718-595-6658
Last EDR Contact :06/19/2015

ENG CONTROLS: Registry of Engineering Controls
Standard Environmental Record Source: State and tribal institutional control / engineering control registries
Search Distance: Property

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 08/17/2015
Source: Department of Environmental Conservation
Number of Days to Update: 33
Telephone: 518-402-9553
Last EDR Contact :08/19/2015

ENV RES DECL: Environmental Restrictive Declarations

RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: State and tribal institutional control / engineering control registries

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: 03/31/2015
Source: New York City Department of City Planning
Number of Days to Update: 27
Telephone: 212-720-3300
Last EDR Contact :06/19/2015

ERP: Environmental Restoration Program Listing

Standard Environmental Record Source: State and tribal Brownfields sites

Search Distance: 0.333 Mile

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: 08/17/2015
Source: Department of Environmental Conservation
Number of Days to Update: 33
Telephone: 518-402-9622
Last EDR Contact :08/19/2015

HIST AST: Historical Petroleum Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

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
Number of Days to Update: 48
Telephone: 518-402-9549
Last EDR Contact :10/23/2006

HIST LTANKS: Listing of Leaking Storage Tanks

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

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
Number of Days to Update: 6
Telephone: 518-402-9549
Last EDR Contact :07/07/2005

HIST SPILLS: SPILLS Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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
Source: Department of Environmental Conservation
Number of Days to Update: 6
Telephone: 518-402-9549
Last EDR Contact :07/07/2005

HIST UST: Historical Petroleum Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

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
Number of Days to Update: 48
Telephone: 518-402-9549
Last EDR Contact :10/23/2006

HSWDS: Hazardous Substance Waste Disposal Site Inventory

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

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
Source: Department of Environmental Conservation
Number of Days to Update: 41
Telephone: 518-402-9564
Last EDR Contact :05/26/2009

INST CONTROL: Registry of Institutional Controls

Standard Environmental Record Source: State and tribal institutional control / engineering control registries
Search Distance: Property

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 08/17/2015
Source: Department of Environmental Conservation
Number of Days to Update: 33
Telephone: 518-402-9553
Last EDR Contact :08/19/2015

LIENS: Spill Liens Information

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Lien information from the Oil Spill Fund.

Date of Government Version: 08/10/2015
Source: Office of the State Comptroller
Number of Days to Update: 10
Telephone: 518-474-9034
Last EDR Contact :08/10/2015

LTANKS: Spills Information Database

Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

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: 08/17/2015
Number of Days to Update: 33
Last EDR Contact :08/19/2015
Source: Department of Environmental Conservation
Telephone: 518-402-9549

MOSF: Major Oil Storage Facility Site Listing
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 07/29/2015
Number of Days to Update: 23
Last EDR Contact :07/29/2015
Source: Department of Environmental Conservation
Telephone: 518-402-9549

MOSF AST: Major Oil Storage Facilities Database
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

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
Number of Days to Update: 30
Last EDR Contact :07/25/2005
Source: NYSDEC
Telephone: 518-402-9549

MOSF UST: Major Oil Storage Facilities Database
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

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
Number of Days to Update: 30
Last EDR Contact :07/25/2005
Source: NYSDEC
Telephone: 518-402-9549

NASSAU CO. AST: Registered Tank Database
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 04/16/2015
Number of Days to Update: 36
Last EDR Contact :07/01/2015
Source: Nassau County Health Department
Telephone: 516-571-3314

NASSAU CO. UST: Registered Tank Database
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 04/16/2015
Number of Days to Update: 36
Last EDR Contact :07/01/2015
Source: Nassau County Health Department
Telephone: 516-571-3314

NCFM AST: Storage Tank Database
Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Number of Days to Update: 34
Last EDR Contact :08/03/2015
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

NCFM UST: Storage Tank Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Number of Days to Update: 34
Last EDR Contact :08/03/2015
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

NY MANIFEST: Facility and Manifest Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 08/01/2015
Number of Days to Update: 18
Last EDR Contact :08/06/2015
Source: Department of Environmental Conservation
Telephone: 518-402-8651

RES DECL: Restrictive Declarations Listing

Standard Environmental Record Source: State and tribal institutional control / engineering control registries

Search Distance: Property

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: 11/18/2010
Number of Days to Update: 21
Last EDR Contact :06/25/2015
Source: NYC Department of City Planning
Telephone: 212-720-3401

ROCKLAND CO. AST: Petroleum Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 09/14/2015
Number of Days to Update: 7
Last EDR Contact :09/08/2015
Source: Rockland County Health Department
Telephone: 914-364-2605

ROCKLAND CO. UST: Petroleum Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 09/14/2015
Number of Days to Update: 7
Last EDR Contact :09/08/2015
Source: Rockland County Health Department
Telephone: 914-364-2605

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Standard Environmental Record Source: State and tribal - equivalent CERCLIS

Search Distance: 0.333 Mile

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: 08/17/2015
Number of Days to Update: 33
Last EDR Contact :08/19/2015

Source: Department of Environmental Conservation
Telephone: 518-402-9622

SPDES: State Pollutant Discharge Elimination System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 07/29/2015
Number of Days to Update: 21
Last EDR Contact :07/27/2015

Source: Department of Environmental Conservation
Telephone: 518-402-8233

SPILLS: Spills Information Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.125 Mile

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: 08/17/2015
Number of Days to Update: 33
Last EDR Contact :08/19/2015

Source: Department of Environmental Conservation
Telephone: 518-402-9549

SUFFOLK CO. AST: Storage Tank Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Number of Days to Update: 13
Last EDR Contact :08/03/2015

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

SUFFOLK CO. UST: Storage Tank Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Number of Days to Update: 13
Last EDR Contact :08/03/2015

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

SWF/LF: Facility Register

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

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: 06/24/2015
Number of Days to Update: 14
Last EDR Contact :07/06/2015
Source: Department of Environmental Conservation
Telephone: 518-457-2051

SWRCY: Registered Recycling Facility List
Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Search Distance: 0.333 Mile

A listing of recycling facilities.

Date of Government Version: 06/24/2015
Number of Days to Update: 14
Last EDR Contact :07/06/2015
Source: Department of Environmental Conservation
Telephone: 518-402-8705

SWTIRE: Registered Waste Tire Storage & Facility List
Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Search Distance: 0.333 Mile

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Number of Days to Update: 15
Last EDR Contact :07/15/2015
Source: Department of Environmental Conservation
Telephone: 518-402-8694

UIC: Underground Injection Control Wells
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 09/07/2015
Number of Days to Update: 11
Last EDR Contact :09/10/2015
Source: Department of Environmental Conservation
Telephone: 518-402-8056

UST: Petroleum Bulk Storage (PBS) Database
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 07/29/2015
Number of Days to Update: 23
Last EDR Contact :07/29/2015
Source: Department of Environmental Conservation
Telephone: 518-402-9549

VAPOR REOPENED: Vapor Intrustion Legacy Site List
Standard Environmental Record Source: State and tribal - equivalent CERCLIS
Search Distance: 0.333 Mile

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.

Date of Government Version: 11/01/2014
Number of Days to Update: 54
Last EDR Contact :05/22/2015
Source: Department of Environmenal Conservation
Telephone: 518-402-9814

VCP: Voluntary Cleanup Agreements

Standard Environmental Record Source: State and tribal voluntary cleanup sites
Search Distance: 0.333 Mile

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: 08/17/2015
Number of Days to Update: 33
Last EDR Contact :08/19/2015
Source: Department of Environmental Conservation
Telephone: 518-402-9711

WESTCHESTER CO. AST: Listing of Storage Tanks
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 12/11/2014
Number of Days to Update: 32
Last EDR Contact :07/31/2015
Source: Westchester County Department of Health
Telephone: 914-813-5161

WESTCHESTER CO. UST: Listing of Storage Tanks
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 12/11/2014
Number of Days to Update: 32
Last EDR Contact :07/31/2015
Source: Westchester County Department of Health
Telephone: 914-813-5161

2020 COR ACTION: 2020 Corrective Action Program List
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

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: 04/22/2013
Number of Days to Update: 6
Last EDR Contact :05/14/2015
Source: Environmental Protection Agency
Telephone: 703-308-4044

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Standard Environmental Record Source: Federal CERCLIS
Search Distance: 0.333 Mile

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Number of Days to Update: 94
Last EDR Contact :05/29/2015
Source: EPA
Telephone: 703-412-9810

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 10/25/2013 Source: EPA
Number of Days to Update: 94 Telephone: 703-412-9810
Last EDR Contact :05/29/2015

COAL ASH DOE: Steam-Electric Plant Operation Data
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Source: Department of Energy
Number of Days to Update: 76 Telephone: 202-586-8719
Last EDR Contact :07/13/2015

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014 Source: Environmental Protection Agency
Number of Days to Update: 40 Telephone: Not Reported
Last EDR Contact :06/12/2015

CONSENT: Superfund (CERCLA) Consent Decrees
Standard Environmental Record Source: Federal NPL
Search Distance: 0.333 Mile

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.

Date of Government Version: 12/31/2014 Source: Department of Justice, Consent Decree Library
Number of Days to Update: 46 Telephone: Varies
Last EDR Contact :06/22/2015

CORRACTS: Corrective Action Report
Standard Environmental Record Source: Federal RCRA CORRACTS facilities list
Search Distance: 0.333 Mile

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/09/2015 Source: EPA
Number of Days to Update: 82 Telephone: 800-424-9346
Last EDR Contact :06/26/2015

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Search Distance: 0.333 Mile

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Number of Days to Update: 137
Last EDR Contact :07/22/2015
Source: EPA, Region 9
Telephone: 415-947-4219

DOT OPS: Incident and Accident Data

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Number of Days to Update: 42
Last EDR Contact :08/04/2015
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595

Delisted NPL: National Priority List Deletions

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

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: 03/26/2015
Number of Days to Update: 75
Last EDR Contact :07/09/2015
Source: EPA
Telephone: Not Reported

EPA WATCH LIST: EPA WATCH LIST

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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
Number of Days to Update: 88
Last EDR Contact :08/04/2015
Source: Environmental Protection Agency
Telephone: 617-520-3000

ERNS: Emergency Response Notification System

Standard Environmental Record Source: Federal ERNS list
Search Distance: Property

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/22/2015
Number of Days to Update: 82
Last EDR Contact :06/26/2015
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180

FEMA UST: Underground Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Source: FEMA
Number of Days to Update: 55
Telephone: 202-646-5797
Last EDR Contact :07/10/2015

FINDS: Facility Index System/Facility Registry System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 01/18/2015
Source: EPA
Number of Days to Update: 26
Telephone: Not Reported
Last EDR Contact :06/10/2015

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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
Number of Days to Update: 25
Telephone: 202-566-1667
Last EDR Contact :05/20/2015

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Standard Environmental Record Source: Other Standard Environmental Records

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Source: EPA
Number of Days to Update: 25
Telephone: 202-566-1667
Last EDR Contact :05/20/2015

FUDS: Formerly Used Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 01/31/2015
Source: U.S. Army Corps of Engineers
Number of Days to Update: 97
Telephone: 202-528-4285
Last EDR Contact :09/11/2015

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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
Number of Days to Update: 40
Last EDR Contact :12/17/2007
Source: Environmental Protection Agency
Telephone: 202-564-2501

HMIRS: Hazardous Materials Information Reporting System
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015
Number of Days to Update: 68
Last EDR Contact :06/26/2015
Source: U.S. Department of Transportation
Telephone: 202-366-4555

ICIS: Integrated Compliance Information System
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 01/23/2015
Number of Days to Update: 31
Last EDR Contact :07/09/2015
Source: Environmental Protection Agency
Telephone: 202-564-5088

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/03/2015
Number of Days to Update: 53
Last EDR Contact :07/31/2015
Source: EPA Region 1
Telephone: 617-918-1313

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 07/21/2015
Number of Days to Update: 76
Last EDR Contact :07/22/2015
Source: EPA Region 10
Telephone: 206-553-2857

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2015
Source: EPA Region 4

Number of Days to Update: 67
Telephone: 404-562-8677
Last EDR Contact :07/22/2015

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 07/28/2015
Source: EPA, Region 5
Number of Days to Update: 67
Telephone: 312-886-7439
Last EDR Contact :07/22/2015

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/13/2015
Source: EPA Region 6
Number of Days to Update: 71
Telephone: 214-665-6597
Last EDR Contact :07/22/2015

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015
Source: EPA Region 7
Number of Days to Update: 55
Telephone: 913-551-7003
Last EDR Contact :07/22/2015

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/30/2015
Source: EPA Region 8
Number of Days to Update: 48
Telephone: 303-312-6271
Last EDR Contact :07/22/2015

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015
Source: Environmental Protection Agency
Number of Days to Update: 32
Telephone: 415-972-3372
Last EDR Contact :07/31/2015

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Source: Environmental Protection Agency
Number of Days to Update: 52
Telephone: 703-308-8245
Last EDR Contact :05/01/2015

INDIAN UST R1: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

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: 02/03/2015 Source: EPA, Region 1

Number of Days to Update: 53 Telephone: 617-918-1313

Last EDR Contact :07/31/2015

INDIAN UST R10: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 07/21/2015 Source: EPA Region 10

Number of Days to Update: 76 Telephone: 206-553-2857

Last EDR Contact :07/22/2015

INDIAN UST R4: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 07/30/2015 Source: EPA Region 4

Number of Days to Update: 67 Telephone: 404-562-9424

Last EDR Contact :07/22/2015

INDIAN UST R5: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 07/28/2015 Source: EPA Region 5

Number of Days to Update: 67 Telephone: 312-886-6136

Last EDR Contact :07/22/2015

INDIAN UST R6: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 05/13/2015 Source: EPA Region 6

Number of Days to Update: 71 Telephone: 214-665-7591

Last EDR Contact :07/22/2015

INDIAN UST R7: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 09/23/2014 Source: EPA Region 7

Number of Days to Update: 65 Telephone: 913-551-7003

Last EDR Contact :07/22/2015

INDIAN UST R8: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 07/28/2015
Number of Days to Update: 60
Last EDR Contact :07/22/2015

Source: EPA Region 8
Telephone: 303-312-6137

INDIAN UST R9: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 12/14/2014
Number of Days to Update: 28
Last EDR Contact :07/31/2015

Source: EPA Region 9
Telephone: 415-972-3368

INDIAN VCP R1: Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites

Search Distance: 0.333 Mile

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014
Number of Days to Update: 36
Last EDR Contact :06/26/2015

Source: EPA, Region 1
Telephone: 617-918-1102

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

Standard Environmental Record Source: State and tribal voluntary cleanup sites

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Number of Days to Update: 27
Last EDR Contact :04/20/2009

Source: EPA, Region 7
Telephone: 913-551-7365

LEAD SMELTER 1: Lead Smelter Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Number of Days to Update: 64
Last EDR Contact :07/07/2015

Source: Environmental Protection Agency
Telephone: 703-603-8787

LEAD SMELTER 2: Lead Smelter Sites

Standard Environmental Record Source: Other Standard Environmental Records

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Number of Days to Update: 36
Last EDR Contact :12/02/2009

Source: American Journal of Public Health
Telephone: 703-305-6451

LIENS 2: CERCLA Lien Information

Standard Environmental Record Source: Federal CERCLIS

Search Distance: Property

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: 02/18/2014
Source: Environmental Protection Agency
Number of Days to Update: 37
Telephone: 202-564-6023
Last EDR Contact :07/22/2015

LUCIS: Land Use Control Information System

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: 0.333 Mile

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Source: Department of the Navy
Number of Days to Update: 13
Telephone: 843-820-7326
Last EDR Contact :08/12/2015

MLTS: Material Licensing Tracking System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 06/26/2015
Source: Nuclear Regulatory Commission
Number of Days to Update: 95
Telephone: 301-415-7169
Last EDR Contact :09/03/2015

NPL: National Priority List

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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: 03/26/2015
Source: EPA
Number of Days to Update: 75
Telephone: Not Reported
Last EDR Contact :07/09/2015

NPL Site Boundaries

Sources:

EPA"s Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-566-0690

EPA Region 1
Telephone: 617-918-1102

EPA Region 2
Telephone: 212-637-4293

EPA Region 3
Telephone: 215-814-5418

EPA Region 4
Telephone: 404-562-8681

EPA Region 5
Telephone: 312-353-1063

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6118

EPA Region 9
Telephone: 415-947-4579

EPA Region 10
Telephone: 206-553-4479

NPL LIENS: Federal Superfund Liens

Standard Environmental Record Source: Federal NPL

Search Distance: Property

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.

Date of Government Version: 10/15/1991
Number of Days to Update: 56
Last EDR Contact :08/15/2011

Source: EPA
Telephone: 202-564-4267

ODI: Open Dump Inventory

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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
Number of Days to Update: 39
Last EDR Contact :06/09/2004

Source: Environmental Protection Agency
Telephone: 800-424-9346

PADS: PCB Activity Database System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 07/01/2014
Number of Days to Update: 33
Last EDR Contact :07/17/2015

Source: EPA
Telephone: 202-566-0500

PCB TRANSFORMER: PCB Transformer Registration Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Source: Environmental Protection Agency
Number of Days to Update: 83
Telephone: 202-566-0517
Last EDR Contact :07/31/2015

Proposed NPL: Proposed National Priority List Sites

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

A site that has been proposed for listing on the NationalPriorities 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 therequirements for listing.

Date of Government Version: 03/26/2015
Source: EPA
Number of Days to Update: 75
Telephone: Not Reported
Last EDR Contact :07/09/2015

RAATS: RCRA Administrative Action Tracking System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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
Number of Days to Update: 35
Telephone: 202-564-4104
Last EDR Contact :06/02/2008

RADINFO: Radiation Information Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 07/07/2015
Source: Environmental Protection Agency
Number of Days to Update: 69
Telephone: 202-343-9775
Last EDR Contact :07/09/2015

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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.

Date of Government Version: 06/09/2015
Source: Environmental Protection Agency
Number of Days to Update: 82
Telephone: 703-308-8895
Last EDR Contact :06/26/2015

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

RECORD SOURCES AND CURRENCY

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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/09/2015
Source: Environmental Protection Agency
Number of Days to Update: 82
Telephone: 703-308-8895
Last EDR Contact :06/26/2015

RCRA-LQG: RCRA - Large Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

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: 06/09/2015
Source: Environmental Protection Agency
Number of Days to Update: 82
Telephone: 703-308-8895
Last EDR Contact :06/26/2015

RCRA-SQG: RCRA - Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

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: 06/09/2015
Source: Environmental Protection Agency
Number of Days to Update: 82
Telephone: 703-308-8895
Last EDR Contact :06/26/2015

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

Standard Environmental Record Source: Federal RCRA TSD facilities list

Search Distance: 0.333 Mile

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: 06/09/2015
Source: Environmental Protection Agency
Number of Days to Update: 82
Telephone: 703-308-8895
Last EDR Contact :06/26/2015

ROD: Records Of Decision

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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: 11/25/2013
Source: EPA

Number of Days to Update: 74 Telephone: 703-416-0223
Last EDR Contact :06/12/2015

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

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: 03/07/2011 Source: Environmental Protection Agency
Number of Days to Update: 54 Telephone: 615-532-8599
Last EDR Contact :05/21/2015

SSTS: Section 7 Tracking Systems
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 12/31/2009 Source: EPA
Number of Days to Update: 77 Telephone: 202-564-4203
Last EDR Contact :07/22/2015

TRIS: Toxic Chemical Release Inventory System
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 12/31/2013 Source: EPA
Number of Days to Update: 110 Telephone: 202-566-0250
Last EDR Contact :01/29/2015

TSCA: Toxic Substances Control Act
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 12/31/2012 Source: EPA
Number of Days to Update: 14 Telephone: 202-260-5521
Last EDR Contact :06/25/2015

UMTRA: Uranium Mill Tailings Sites
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

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: 09/14/2010
Source: Department of Energy
Number of Days to Update: 146
Telephone: 505-845-0011
Last EDR Contact :05/26/2015

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 07/22/2015
Source: EPA
Number of Days to Update: 40
Telephone: 202-564-2496
Last EDR Contact :06/22/2015

US AIRS MINOR: Air Facility System Data

Standard Environmental Record Source: Other Standard Environmental Records

A listing of minor source facilities.

Date of Government Version: 07/22/2015
Source: EPA
Number of Days to Update: 40
Telephone: 202-564-2496
Last EDR Contact :06/22/2015

US BROWNFIELDS: A Listing of Brownfields Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 06/22/2015
Source: Environmental Protection Agency
Number of Days to Update: 70
Telephone: 202-566-2777
Last EDR Contact :06/24/2015

US CDL: Clandestine Drug Labs

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 05/15/2015
Source: Drug Enforcement Administration
Number of Days to Update: 106
Telephone: 202-307-1000

Last EDR Contact :08/31/2015

US ENG CONTROLS: Engineering Controls Sites List

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

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: 06/09/2015
Source: Environmental Protection Agency
Number of Days to Update: 68
Telephone: 703-603-0695
Last EDR Contact :08/31/2015

US FIN ASSUR: Financial Assurance Information

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 06/01/2015
Source: Environmental Protection Agency
Number of Days to Update: 106
Telephone: 202-566-1917
Last EDR Contact :08/12/2015

US HIST CDL: National Clandestine Laboratory Register

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 06/01/2015
Source: Drug Enforcement Administration
Number of Days to Update: 106
Telephone: 202-307-1000
Last EDR Contact :08/31/2015

US INST CONTROL: Sites with Institutional Controls

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

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: 06/09/2015
Source: Environmental Protection Agency
Number of Days to Update: 68
Telephone: 703-603-0695
Last EDR Contact :08/31/2015

US MINES: Mines Master Index File

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

RECORD SOURCES AND CURRENCY

Date of Government Version: 05/14/2015
Source: Department of Labor, Mine Safety and Health Administration
Number of Days to Update: 91
Telephone: 303-231-5959
Last EDR Contact :09/01/2015

DOD: Department of Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

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
Source: USGS
Number of Days to Update: 62
Telephone: 888-275-8747
Last EDR Contact :07/14/2015

INDIAN RESERV: Indian Reservations

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 12/31/2005
Source: USGS
Number of Days to Update: 34
Telephone: 202-208-3710
Last EDR Contact :07/14/2015

PWS: Public Water System Data

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 12/17/2013
Source: EPA
Number of Days to Update: 279
Telephone: Not Reported
Last EDR Contact :06/01/2015

RECORD SOURCES AND CURRENCY

HISTORICAL USE RECORDS

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

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: Not Reported
Source: Department of Environmental Conservation
Number of Days to Update: 182
Telephone: Not Reported
Last EDR Contact :06/01/2012

RGA LF: Recovered Government Archive Solid Waste Facilities List

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

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: Not Reported
Source: Department of Environmental Conservation
Number of Days to Update: 193
Telephone: Not Reported
Last EDR Contact :06/01/2012

EDR MGP: EDR Proprietary Manufactured Gas Plants

Standard Environmental Record Source: Former manufactured Gas Plants

Search Distance: 0.333 Mile

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: 08/28/2009
Source: EDR, Inc.
Number of Days to Update: 55
Telephone: Not Reported
Last EDR Contact :11/30/2012

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

Standard Environmental Record Source: Historical Gas Stations

Search Distance: 0.25 Mile

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.

Date of Government Version: 02/20/2007
Source: EDR, Inc.
Number of Days to Update: 42
Telephone: Not Reported
Last EDR Contact :02/21/2007

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

Standard Environmental Record Source: Historical Dry Cleaners

RECORD SOURCES AND CURRENCY

Search Distance: 0.25 Mile

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: 02/20/2007
Number of Days to Update: 42
Last EDR Contact :02/21/2007

Source: EDR, Inc.
Telephone: Not Reported

RECORD SOURCES AND CURRENCY

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.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW® 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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services. 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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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.

STREET AND ADDRESS INFORMATION

APPENDIX G

LIMITATIONS, CERTIFICATION, QUALIFICATIONS

Limitations and Exceptions

The professional environmental inspector has used his or her best judgment and has conducted the ASTM suggested inquiries when conducting this assessment.

This environmental site assessment cannot wholly eliminate uncertainty regarding the potential for recognized environmental conditions concerning the subject site or adjoining properties.

Not every property requires the same amount of site assessment work. Various factors determine the appropriate level of involvement, such as the type of property being assessed, how it is used, the extent of contamination, and the amount and kind of data collected. Any one of these will determine the appropriate level of environmental site assessment.

Not all inquiries will identify a significant environmental condition existing on the subject property. All environmental assessments are governed by circumstances and conditions that existed on the day of inspection.

Influences on Fair Market Value

The presence of environmental liabilities and their associated clean up costs may influence the fair market value of the subject property. Market value is understood to be the most probable price estimated in terms of money that the property will bring if exposed for sale on the open market by a seller who is willing but not obliged to sell, allowing a reasonable time to find a buyer who is willing but not obliged to buy, both parties having full knowledge of all the uses to which it is adapted, for which it is capable of being used, or for which it has been used.

The environmental assessor assumes no responsibility for any changes in the fair market value of the property that might result from the performance of the environmental assessment activities, or disclosures of environmental conditions relating to the property.

Certification of Inspection

The environmental inspector certifies and agrees that:

(1) The inspector has no present or contemplated future interest in the property inspected.

(2) The inspector has no personal interest in or bias with respect to the subject matter of the assessment report or the participants to the sale. This Environmental Site Assessment Report is not based in whole or in part upon the race, color or national origin of the prospective owners or occupants of the property inspected, or upon the

race, color or national origin of the present owners or occupants of the properties near the property inspected.

(3) The inspector has personally inspected the property and has made an exterior inspection of all neighboring properties in the report. To the best of the inspector's knowledge and belief, all statements and information in this Site Assessment Report are true and correct, and the inspector has not knowingly withheld any significant information.

(4) The legal description and address furnished is correct according to the information furnished to the inspector.

(5) This inspection report has been made in conformity with and is subject to the requirements of the Code of Professional Ethics and Standards of Professional Conduct of the environmental organizations with which the inspector is affiliated.

(6) All conclusions and opinions concerning the subject site that are set forth in the Site Assessment Report were prepared by the inspector whose signature appears on the Assessment Report.

General Qualifications

In the professional judgment of the site assessor, the scope of this investigation was sufficient to determine whether further investigation was warranted, given the nature and specific circumstances of the site. The site assessor performed this Phase I ESA in conformance with the care and skill currently exercised by reputable environmental consulting firms practicing under similar conditions in the state of New York. No other warranty or representation of any kind, expressed or implied, at common law or created by statute, is extended, made or intended by the site assessor's rendering consulting services or furnishing oral and/or written reports of its findings.

The site assessor has no obligation to any third party who intends to, or will, rely on this report and specifically disclaims any such responsibility. The site assessor assumes no obligation for reporting any facts revealed by the environmental site assessment or contained in the Phase I ESA report to anyone other than the Client.

This report does not constitute legal advice, nor does the site assessor purport to give legal advice. Environmental conditions and regulations are subject to constant change and reinterpretation. It should not be assumed that current conditions and/or regulatory positions will remain constant. Furthermore, because the facts stated in this report are subject to professional interpretation, differing conclusions could be reached by other professionals.

Certain information contained in this report may have been obtained from agencies or through personal interviews. The site assessor cannot warrant that such information is

accurate. Except as discussed in the report, the site assessor has not verified the accuracy of such information.

Contaminates may be hidden in the subsurface materials, having been placed there due to the actions of man, or covered by foliage, water, snow, concrete, asphalt, or other materials. This contamination may not be present in predictable locations. The most that the site assessor can do is formulate a logical assessment program to reduce the client's risk of later discovering previously unknown contamination; the greater the extent of exploration on a property, the greater the probability of finding contamination, if present. Even with extensive exploration, it is not possible to say with total certainty that contaminants are not present at a particular site.

Many environmental assessments are undertaken to satisfy the "due diligence" requirement in the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and appropriate state requirements. The level of investigative work required to demonstrate "due diligence" has not been legislatively defined by Congress, the U.S. EPA, or appropriate state bodies. Although the site assessor strives to investigate each site to discover all possible sources of contamination, the site assessor cannot warrant that the work undertaken for this report will provide a due diligence defense asserted under CERCLA, or any other federal, state, or local laws.

No warranty can be made that conditions observed were representative of areas not observed. Tests or data collected for this report were obtained only for the purposes stated in this report, and should not be used for reasons other than those intended.

The inspector assumes no responsibility for legal issues affecting the property inspected, nor does the inspector render any opinion as to the marketability of title.

Unless arrangements have been previously made, the inspector will not be required to give testimony or appear in court because of having made the Environmental Site Assessment with reference to the property in question.

Possession of this Environmental Site Assessment Report does not carry with it the rights of publication, and any parts thereof may not be reproduced in any form without written permission of its writer, or the client who ordered the report.

The inspector assumes that there are no hidden or latent conditions or defects on the property, subsoil, or structures that would render it more valuable, less valuable or hazardous. The inspector assumes no responsibility for such conditions or for the inspection, engineering, or repair that might be required to discover or correct such factors.

Information, estimates, and opinions furnished to the environmental inspector and contained in the report were obtained from sources considered reliable and believed to be true and correct. The inspector however, assumes no responsibility for the accuracy

of such information.

This Environmental Site Assessment is not intended to (but indeed may) have a direct effect on the value of the property inspected. It is conducted solely for the educational benefit of the principal parties.

The contents of this report, including any conclusions as to value or hazards and the identity of the inspector shall not be disseminated to the public through advertising media, public relations media, news media, sales media, or any other public means of communication without the prior written consent and approval of the environmental inspector.