Former Scott Aviation Facility Area 1 BCP Site

Lancaster, New York

ERIE COUNTY

Site Management Plan

NYSDEC Site Number: C915233

Prepared for:

Scott Technologies, Inc.

aka Scott Figgie LLC

Prepared by:

AECOM Technical Services, Inc.

257 West Genesee Street, Buffalo, New York 14202

716-856-5636

Revisions to Final Approved Site Management Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date
Rev. 0	07/30/15		
Rev. 1	09/21/15	Revised per NYSDEC comments on draft SMP	
Rev. 2	11/24/15	Revised per Decision Document and NYSDOH comments	
Rev. 3	12/9/15	Revised to include Environmental Easement and the Final Decision Document	

DECEMBER 2015

CERTIFICATION STATEMENT

I DINO ZACK, P.G., certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

_____ P.G.

DECEMBER 9, 2015

TABLE OF CONTENTS

LIST OF APPENDICES

LIST OF TABLES

LIST OF FIGURES

LIST OF ACRONYMS

Acronym	Definition
AAR	Analysis of Alternatives Report
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	Below ground surface
CCR	Construction Completion Report
cm/sec	Centimeters per Second
COC	Certificate of Completion
CVOC	Chlorinated Volatile Organic Compounds
DER	Division of Environmental Remediation
EC	Engineering Control
ESA	Environmental Site Assessment
ft	Feet (or Foot)
ft bgs	Feet Below Ground Surface
HASP	Health and Safety Plan
HPT	Hydraulic Profile Tool
IC	Institutional Control
IRM	Interim Remedial Measure(s)
K	In-situ Hydraulic Conductivity
MIP	Membrane Interface Probe
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
OSHA	Occupational Safety and Health Administration
OU	Operable Unit
PCB	Polychlorinated Biphenyls
PGA	Preliminary Groundwater Assessment
PID	Photoionization Detector
PRR	Periodic Review Report
RAO	Remedial Action Objective

Acronym	Definition
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
SAC	State Assistance Contract
SCG	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective
SMP	Site Management Plan
SRI	Supplemental Remedial Investigation
SOP	Standard Operating Procedures
SOW	Statement of Work
SSD	Subslab Depressurization
SVI	Soil Vapor Intrusion
SVOC	Semi Volatile Organic Compound
TCE	Trichloroethene
TVOC	Total Volatile Organic Compounds
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound
XSD	Halogen Specific Detector

ES EXECUTIVE SUMMARY

The following provides a brief summary of the controls implemented for the Site, as well as the inspections, monitoring, maintenance and reporting activities required by this Site Management Plan:

Site Identification: C915233 Former Scott Aviation Facility Area 1 BCP Site, 225 Erie Street, Lancaster, New York 14086

Institutional Controls:	1. Environmental Easement	
Engineering Controls:	1. On-site storm sewer joint seals 2. Impermeable plugs across storm sewer bedding 3. Caulking in boiler room floor 4. Seal around the annulus of a drain pipe in the boiler room	
Inspections:		Frequency
1. Annual PRR		Annual
Monitoring:		
1. Groundwater Monitoring Wells; A1-GP02, A1-GP06, A1-GP10, A1-GP15, A1-GP18, MW-30, MW-35S, MW-35D, MW-36S, MW-42S, MW-43S, MW-44S, MW-35D, MW-36D, MW-37D, MW-38D, MW-39D, MW-40D 2. Storm Sewer; TP-05, TP-06, CB-1		Quarterly*
Maintenance:		
1. Monitoring well maintenance		As needed
2. Inspection of boiler room caulking in floor and seal around annulus of drain pipe		Quarterly*
Reporting:		
1. Periodic Review Report		Annually

* Unless the NYSDEC subsequently approves a reduced monitoring schedule.

Further descriptions of the above requirements are provided in detail in the later sections of this Site Management Plan.

1.0 INTRODUCTION

1.1 GENERAL

This Site Management Plan (SMP) is a required element of the remedial program for the Former Scott Aviation Facility Area 1 Brownfield Cleanup Program (BCP) Site located in Lancaster, New York (hereinafter referred to as the "Site"). See Figure 1 – Site Location Map. The Site is currently in the New York State (NYS) Brownfield Cleanup Program (BCP), Site No. C915233, which is administered by New York State Department of Environmental Conservation (NYSDEC).

Scott Technologies, Inc. (now known as Scott Figgie LLC), hereinafter "Scott", entered into a Brownfield Cleanup Agreement (BCA) on September 11, 2008 with the NYSDEC to remediate the site. A figure showing the site location and boundaries of this site is provided in Figure 2 - Site Layout Map. The boundaries of the site are more fully described in the metes and bounds site description that is part of the Environmental Easement provided in Appendix A.

After completion of the remedial work, some subsurface contamination was left at this site, which is hereafter referred to as "remaining contamination". Institutional and Engineering Controls (ICs and ECs) have been incorporated into the site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. An Environmental Easement granted to the NYSDEC, and recorded with the Erie County Clerk, requires compliance with this SMP and all ECs and ICs placed on the site.

This SMP was prepared to manage remaining contamination at the site until the Environmental Easement is extinguished in accordance with Environmental Conservation Law Article 71, Title 36. This plan has been approved by the NYSDEC, and compliance with this plan is required by the grantor of the Environmental Easement and the grantor's successors and assigns. This SMP may only be revised with the approval of the NYSDEC.

It is important to note that:

- This SMP details the site-specific implementation procedures that are required by the Environmental Easement. Failure to properly implement the SMP is a violation of the Environmental Easement, which is grounds for revocation of the Certificate of Completion (COC);

- Failure to comply with this SMP is also a violation of Environmental Conservation Law, 6 New York Codes, Rules and Regulations (NYCRR) Part 375 and the BCA (Site #C915233) for the site, and thereby subject to applicable penalties.

All reports associated with the site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State. A list of contacts for persons involved with the site is provided in Appendix B of this SMP.

This SMP was prepared by AECOM Technical Services, Inc. (AECOM), on behalf of Scott Figgie LLC, in accordance with the requirements of the NYSDEC's Division of Environmental Remediation (DER) DER-10 ("Technical Guidance for Site Investigation and Remediation"), dated May 2010, and the guidelines provided by the NYSDEC. This SMP addresses the means for implementing the ICs and/or ECs that are required by the Environmental Easement for the site.

1.2 REVISIONS

Revisions to this plan will be proposed in writing to the NYSDEC's project manager. Revisions will be necessary upon, but not limited to, the following occurring: a change in media monitoring requirements, shut-down of a remedial system, post-remedial removal of contaminated sediment or soil, or other significant change to the site conditions. In accordance with the Environmental Easement for the site, the NYSDEC will provide a notice of any approved changes to the SMP, and append these notices to the SMP that is retained in its files.

1.3 NOTIFICATIONS

Notifications will be submitted by the property owner to the NYSDEC, as needed, in accordance with NYSDEC's DER – 10 for the following reasons:

- 60-day advance notice of any proposed changes in site use that are required under the terms of the BCA, 6 NYCRR Part 375 and/or Environmental Conservation Law.
- 7-day advance notice of any field activity associated with the remedial program.
- 15-day advance notice of any proposed ground-intrusive activity pursuant to the Excavation Work Plan.

- Notice within 48-hours of any damage or defect to the foundation, structures or EC that reduces or has the potential to reduce the effectiveness of an EC, and likewise, any action to be taken to mitigate the damage or defect.
- Verbal notice by noon of the following day of any emergency, such as a fire; flood; or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the site, with written confirmation within 7 days that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.
- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action submitted to the NYSDEC within 45 days describing and documenting actions taken to restore the effectiveness of the ECs.

Any change in the ownership of the site or the responsibility for implementing this SMP will include the following notifications:

- At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser/Remedial Party has been provided with a copy of the BCA, and all approved work plans and reports, including this SMP.
- Within 15 days after the transfer of all or part of the site, the new owner's name, contact representative, and contact information will be confirmed in writing to the NYSDEC.

The table below includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of site-related contact information is provided in Appendix B.

Notifications*

Name	**Contact Information**
Mr. Glenn May	716-851-7220 glenn.may@dec.ny.gov
Ms. Kelly Lewandowski	518-402-9553 kelly.lewandowski@dec.ny.gov

* Note: Notifications are subject to change and will be updated as necessary.

2.0 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

2.1 SITE LOCATION AND DESCRIPTION

The Former Scott Aviation Facility Area 1 BCP site is located in Lancaster, Erie County, New York and is identified as Section 104 Block 5 and Lots 8 and 9 on the Erie County Tax Map (see Figure 1 – Site Location Map). The Site is an approximately 1.4 acres area and is bounded by Erie Street to the north, railroad tracks to the south, residential zoned property (vacant lot) to the east, and residential zoned property (with house) to the west (see Figure 2 – Site Layout Map). The boundaries of the site are more fully described in Appendix A –Environmental Easement. The owner of the site parcel at the time of issuance of this SMP is:

AVOX Systems Inc. (owner of property)

Scott Figgie LLC (owner of environmental responsibility)

2.2 PHYSICAL SETTING

2.2.1 Land Use

The Site consists of the following: outbuildings that support Plant 1 (which is not part of the Site), asphalt driveways and parking areas, and lawn and brush-covered areas. Site occupants include maintenance and shipping/receiving personal, as manufacturing activities have been moved to plants located on the north side of Erie Street.

The properties adjoining the Site and in the neighborhood surrounding the Site primarily include both commercial and residential properties. The properties immediately south of the Site include railroad tracks; the properties immediately north of the Site include commercial properties; the properties immediately east of the Site include contain AVOX Plant 1 and its parking lot, and then residential properties (including vacant land); and the properties to the west of the Site include residential properties.

2.2.2 Geology

The native soils underlying the Site generally consist of interbedded silts and clays, with discontinuous sporadic fine sand lenses (shallow overburden). A thin coarse-grained layer of weathered shale is located above the bedrock (deep overburden). Overburden thickness ranges from 20 feet (ft) in the southern portion of the Site to 26 ft

in the northern portion of the Site.

The average depth to bedrock is approximately 21 ft. Bedrock was observed to consist of black shale of the Marcellus Formation (Hamilton Group).

A transect for a geologic cross section with monitoring well and piezometer locations is shown on Figure 3, and the geologic cross-section is shown on Figure 4. Site-specific boring logs are provided in Appendix C.

2.2.3 **Hydrogeology**

Groundwater monitoring wells are installed at three intervals: shallow overburden, deep overburden, and bedrock. Overburden groundwater is first encountered at the Site in the shallow overburden, and then again just above the bedrock. Observations of the groundwater within the deep overburden, which is present on top of bedrock, indicates a semi-confined state.

The average depth to groundwater as measured through 2010-2015 was 4.2 ft below ground surface (ft bgs) in the shallow overburden, 5.5 ft bgs in the deep overburden, and 9.0 ft bgs in the bedrock. Water level data indicates that the groundwater flow direction in the overburden in the vicinity of Plant 1 is to the northwest, although this is not as pronounced in the shallow overburden.

Results of the in-situ hydraulic conductivity (K) tests performed in the monitoring wells at the Site showed that K values range from 1.49E-03 centimeters per second (cm/sec) to 3.13E-05 cm/sec in the shallow overburden, and range from 4.72E-03 cm/sec to 8.96E-05 cm/sec in the deep overburden. Hydraulic conductivity testing was not performed in the bedrock monitoring well.

From a seasonal perspective, water levels rise across the Site during the winter and spring seasons, and recede during summer and fall seasons.

A groundwater contour map for measurements collected in July 2015 is shown in Figure 5 (shallow overburden groundwater) and Figure 6 (deep overburden groundwater). Groundwater elevation measurements are provided in Table 1. Groundwater monitoring well construction logs are provided in Appendix C.

2.3 **INVESTIGATION AND REMEDIAL HISTORY**

The following narrative provides a remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones

for the Site. Full titles for each of the reports referenced below are provided in Section 8.0 - References.

The general historical operations that existed in the Plant 1 building adjacent to the Site were primarily manufacturing, development, testing, and distribution for aircraft and military supplied-air systems. The oldest portion of Plant 1 dates to the early 1950s. That original building was expanded several times, with most of it in place by 1975 except for a small warehouse addition in 1996. Plant 1 historical activities included the chemical cleaning and repainting of oxygen cylinders, the chemical cleaning (with inorganic acid solutions) and chromium coating (in a non-electrolytic "soak bath") of metallic components of oxygen supply systems, and the fabrication of oxygen-regulating assemblies. Plant 1 also supported a Class 10,000 clean room and a Class 100,000 clean room. The office area contained management, administrative, engineering, training, and other support activities, and a cafeteria.

As of 2010, Plant 1 has no longer been used for production (i.e., painting and plating activities have terminated). The BCP boundary for the Site is located immediately west/southwest of Plant 1.

In 2004, a Phase I Environmental Site Assessment (ESA) was performed at the Site by Earth Tech, Inc. (now AECOM) on behalf of the then owner, Scott Technologies, Inc. The facility was sold to the current owner, AVOX, in September 2004. Historical aerial photographs included in the Phase I ESA Report indicated an area of potentially disturbed soil on the west side of Plant 1, south of the existing visitor parking area, and just outside the Plant 1 western perimeter fence line on the adjacent vacant parcel (Earth Tech, April 2004). The Phase I ESA also identified two former underground storage tanks (USTs) that had contained gasoline starting in the early 1970s which were removed from the southeastern portion of the Plant 1 Area in November of 1987; however, no records were found to indicate that any post-excavation sampling was done to demonstrate that the soil and groundwater in the vicinity had not been impacted.

Another former UST that had contained gasoline from an unknown date until the early 1970s was reportedly cleaned and closed in place at that time by filling it with sand. It is believed to be located beneath the current hazardous materials storage shed. No records were found to indicate exactly where that tank is located, when closure occurred, or that any post-closure sampling was done to demonstrate that soil and ground water in the vicinity had not been impacted. From the early 1950s to about 1973, used sand from a

steel-casting foundry operation, located in the western portion of Plant 1, was disposed behind (south of) Plant 1.

A Phase II Environmental Site Investigation was completed in 2004 for the entire Scott Aviation facility, to address environmental concerns described in the Phase I ESA Report, including the area of potentially disturbed soil on the west side of Plant I. During the Phase II ESI, seven test pits were excavated. Residual paint sludge of unknown origin was observed in two of the test pits. The paint sludge area was approximately 150 square ft in size, and located just west and south of the vehicle gate located in the western perimeter fence, immediately north of the water tower. Elevated levels of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) present in the soil immediately below the waste indicated that some leaching of the waste had occurred (Earth Tech, June 2004).

On June 28, 2005, Earth Tech, in accordance with an Interim Remedial Measures (IRM)/Supplemental Site Investigation Work Plan, performed an initial excavation of the buried paint sludge material located to the west of Plant 1. A total of 60 cubic yards of soil was excavated to the west of Plant 1, down to the level at which groundwater was encountered - about 6 ft bgs. Further excavation was not completed during the IRM, as the scope of work only addressed vadose zone soil.

The above investigations identified the general areas of concern. As a result of the elevated VOC and SVOC soil concentrations detected in the excavation bottom at Area 1 during the 2005 IRM, a Preliminary Groundwater Assessment (PGA) was performed in 2006 and 2007. The purpose of the PGA was to assess the nature and extent of VOCs in groundwater in the vicinity of Area 1. A series of groundwater wells was installed, and samples were collected and analyzed as a part of the PGA (Earth Tech, January 2008). Eighteen temporary piezometers were installed during the PGA to monitor shallow overburden groundwater. Groundwater samples collected from these piezometers contained VOCs, with 18 of these compounds detected at concentrations that exceeded the NYSDEC Class GA groundwater standards. Samples of deep overburden groundwater also contained VOCs, but to a lesser degree than the shallow overburden groundwater.

The BCP Remedial Investigation (RI) began in December 2010 with the completion of soil borings, the installation of monitoring wells, and the collection of soil, groundwater and vapor samples for chemical analysis. This initial work was completed during the summer of 2010. A Supplemental RI (SRI), completed in June 2011, included

the installation of additional monitoring wells, groundwater sampling, and an evaluation of a storm sewer system that was located throughout the BCP site. The RI and SRI were performed to gather the data necessary to complete the characterization of chemical presence in on-site groundwater, soil, and soil vapor, in order to identify and evaluate necessary and appropriate remedial alternatives. The proposed remedial alternatives were presented in the Alternatives Analysis report (AAR) (AECOM, September 2015). That AAR has been completed in accordance with the NYSDEC DER Draft BCP Guide (NYSDEC, May 2004), 6 NYCRR Part 375 Environmental Remediation Programs (NYSDEC, December 14, 2006), and NYSDEC DER-10 (NYSDEC, May 3, 2010).

These studies investigated Area 1 for contamination in surface soil, subsurface soil, groundwater, and impacts to on-site sewers. Constituents of potential concern (COPCs) were identified for soil by comparison of maximum detected concentrations for VOCs to 6 NYCRR Part 375 Unrestricted Use soil cleanup objectives (SCOs), and for SVOCs, metals, pesticides, and polychlorinated biphenyls (PCBs) to 6 NYCRR Part 375 Commercial Use SCOs. COPCs were identified for groundwater by comparison of maximum detected concentrations for VOCs, SVOCs, metals, pesticides, and PCBs to NYSDEC TOGS 1.1.1 protection of drinking water standards. The results of this comparison to applicable standards are detailed below.

- Surface Soil - VOC concentrations for surface soil (i.e., 0 to 2 inches bgs) were below the NYSDEC Subpart 375-6 SCOs for Unrestricted Use at the borings sampled. SVOC, metal, PCB, and pesticide concentrations were below the SCOs for Commercial Use, with the exceptions of benzo(a)pyrene (potentially resulting from the adjacent active rail line) and metals cadmium and nickel. Refer to Figure 7 for the locations of RI surface samples.
- Subsurface Soil - VOC concentrations from subsurface soil samples collected from borings during the RI and SRI were below the SCO for Unrestricted Use, with the exception of acetone and methylene chloride (common laboratory contaminants) at two borings: DPT8-2A and DPT8-2B both located south of Plant 1. VOC concentrations from one confirmation sample collected from the bottom of the historic IRM (B-1A) exhibited seven compounds exceeding Unrestricted Use SCOs (all seven compounds were below Commercial Use SCOs). SVOC and PCB/pesticide concentrations from subsurface soil samples were all below Unrestricted Use SCOs. Regarding metals, only mercury, copper, and cadmium exceeded SCOs for

Commercial Use. These exceedances occurred at 2 borings: DPT8-1A and DPT8-2A. Refer to Figure 7 for the locations of RI subsurface samples.

- Groundwater - Analytical data for groundwater samples collected from the shallow and deep overburden wells during the RI and SRI identified the presence of VOCs exceeding NYSDEC TOGS 1.1.1 standards for the protection of drinking water (NYSDEC, June 1998, April 2000 addendum). Refer to Figure 8 and Figure 9 for the locations of monitoring wells; note RI/SRI total VOC (TVOC) concentrations are included on each figure along with TVOC contaminant plumes for shallow and deep overburden plumes respectively. There were no exceedances of NYSDEC TOGS 1.1.1, protection of drinking water standards in the bedrock groundwater. The most frequently detected VOCs were trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE). Refer to Figure 10 and Figure 11 for the RI/SRI TCE contaminant plumes for shallow and deep overburden plumes respectively. The greatest VOC concentrations were detected in the area of the previously-excavated source area during the 2005 IRM; refer to the AAR (AECOM, April 2015) for groundwater sampling results. At perimeter wells, VOCs were either not detected or were detected at concentrations below or slightly above NYSDEC TOGS 1.1.1 protection of drinking water standards for TCE. The delineation of TCE is complete to the north, south, east (to the Plant 1 building) and west of the historic source area. See Table 2 and Table 3, respectively, for a summary of groundwater VOC data collected during the RI and SRI. SVOCs in groundwater were below NYSDEC TOGS 1.1.1 protection of drinking water standards. Three naturally occurring metals (iron, magnesium, and sodium) were detected in groundwater above NYSDEC TOGS 1.1.1 protection of drinking water standards. No PCBs were detected, and only one pesticide was tentatively detected in one groundwater sample at a concentration greater than NYSDEC TOGS 1.1.1 protection of drinking water standards. Refer to the AAR (AECOM, April 2015) for groundwater VOC, SVOC, metal, and PCB/pesticide data, respectively.
- Storm Sewer Catch Basins - A storm sewer with several catch basins is present in Area 1; refer to Figure 12 for the location of the storm sewer system. VOCs were detected within storm sewer catch basins located on the Site and from water within the storm sewer pipe bedding. Groundwater is present above the storm sewer piping; refer to the AAR (AECOM, April

2015) for storm sewer VOC data and for temporary piezometer water sample data that was collected from within the sewer pipe bedding gravel.

- Soil Vapor - Based on the evaluation of the data against the decision matrices, a vapor intrusion condition is not present at the Site, and indoor air quality has not been adversely impacted by the presence of the adjacent groundwater plume. However, per a June 1, 2012 letter from the NYSDEC to Scott, the New York State Department of Health (NYSDOH) considered this Site to be a significant threat due to elevated concentrations of VOCs in sub-slab soil vapor, and the potential for this vapor to impact indoor air. Refer to the AAR (AECOM, September 2015) for air sampling data, for vapor data compared to 2006 NYSDOH guidance values, and for the United States Environmental Protection Agency (USEPA) 2001 Building Assessment and Survey Evaluation database indoor air values, respectively.

Based on NYSDEC comments on the draft AAR (AECOM, April 2013), AECOM completed a targeted soil vapor intrusion (SVI) investigation for the Site in July 2013. The purpose of that SVI investigation was to assess whether soil vapor on the Site in the vicinity of a nearby residence at 205 Erie Street contained chlorinated VOCs (CVOCs) at concentrations sufficiently elevated to represent a potential indoor air quality issue for the nearby buildings (AECOM, August 2013). A second investigation and report was completed in September 2013 to follow up on one TCE detection in soil vapor above the method detection limit. Both groundwater and soil samples were collected hydraulically downgradient of Area 1, between the facility and 205 Erie Street, and focused on seven CVOCs that should be considered as part of an SVI analysis for the residence per NYSDOH guidance values: 1,1,1-trichloroethane (1,1,1-TCA); cis-1,2-DCE; vinyl chloride ; 1,1-dichloroethene; carbon tetrachloride, tetrachloroethylene, and TCE.

No CVOC listed above were reported in any of the soil or groundwater samples. Acetone was reported in one soil sample (12 micrograms per kilogram). Acetone was also reported in five of the six groundwater samples and in the trip blank. The only other VOC reported was 2-butanone at 4.1 micrograms per liter. AECOM reviewed historical soil, groundwater, soil vapor, and stormwater data from the northern portion of the Area 1 Site to assess the potential relationship between the low level TCE concentration reported in SV-1 in July 2013 and the Area 1 contamination. The collective data does not identify a clear relationship between the two that would warrant further SVI sampling at

the residential property. Multiple media have been evaluated. The property boundary between AVOX (which includes the Site) and 205 Erie Street appears to not be impacted by the BCP Site (AECOM, October 2013).

During a conference call between NYSDEC, Scott, AECOM, and AVOX on February 28, 2014, the NYSDEC recommended moving forward with the BCP cleanup in advance of an approved Final AAR by completing four IRMs to address soil and selected groundwater impacts at the Site. They included:

- Excavation and off-site disposal of shallow soils impacted by metals (cadmium, copper and nickel);
- Excavation and off-site disposal of subsurface soils impacted by VOCs in some locations;
- Grout sealing onsite storm sewer joints to prevent groundwater infiltration and installation of impermeable plugs across the pipe bedding to prevent migration of groundwater; and,
- Mitigation of SVI issues at the AVOX boiler room.

Those four IRMs were described in an IRM Remedial Action Work Plan (RAWP) dated June 4, 2014. On August 14, 2014, NYSDEC provided approval to begin the described work per the 2014 IRM RAWP.

The 2014 IRM activities were initiated on September 8, 2014. The soil excavation and storm sewer IRMs were completed during October 2014. Metals impacted soil was excavated to 1 ft bgs in the vicinity of MW-41B, with all confirmatory samples passing metal Commercial Use SCOs for the target parameters; refer to Figure 13 for MW-41B IRM confirmation sample locations and results. Confirmation soil samples were collected from the excavation sidewalls and bottoms. Soil was excavated to 2 ft bgs in the vicinity of DPT8-1 and DPT8-2. Following the initial excavation, an additional 2 ft wide by 2 ft deep excavation occurred on the south side wall of DPT8-1 and on the north side wall of DPT8-2, until sample results were below Commercial Use SCOs; refer to Figure 14 for DPT-8 IRM confirmation sample locations and results. Following receipt of passing sample confirmation data, and with concurrence from the NYSDEC, the excavated areas were backfilled with imported soil that met NYSDEC Unrestricted Use SCOs, and restored to pre-excavation conditions. Each excavation remained open until receipt of soil analytical results determined that confirmation soil samples were below respective SCOs, and the NYSDEC issued approval to discontinue excavation.

VOC concentrations from soil confirmation samples collected in 2005 following an IRM soil excavation were found to be in exceedance of the Unrestricted Use SCO. These samples were collected at or below typical shallow overburden groundwater depths, and contained concentrations of 1,1-dichloroethene, cis-1,2-DCE, ethylbenzene, toluene, 1,1,1-trichloroethane, TCE, and total xylenes that exceeded NYSDEC Subpart 375-6 Unrestricted Use SCOs. An initial horizontal excavation limit was established following the same footprint of the previously excavated area (approximately 14 ft by 18 ft, by 6 ft deep). The 2014 IRM scope was to remove the top 0 to 6 ft of previous clean fill and excavate material from 6 to 8 ft bgs. Elevated Photoionization Detector (PID) headspace readings on side wall and bottom samples were observed following excavation of the 6 to 8 ft bgs interval, and reported to NYSDEC. Due to the depth of observed elevated PID readings and below-average shallow groundwater elevations, an additional 2 ft of soil was removed from the side walls (where physical constraints allowed) and from the bottom of the excavation. Characterization samples from the side walls and bottom of the excavation were collected and resulted in VOC detections exceeding Unrestricted Use SCOs. Refer to the 2014 IRM Construction Completion Report (CCR) for characterization sample results and to Figure 7 for the location of the VOC IRM. With approval from the NYSDEC, no further excavation of soil took place; impacts were left in place to be addressed as part of the groundwater IRM, since all impacted material was below the water table. Prior to backfilling, and with approval from the NYSDEC, 270 pounds of Klozur® CR engineered calcium peroxide was placed on the bottom of the excavation area and mixed with the small amount of groundwater that had accumulated in the excavation. Fill from the 2005 IRM and imported fill in compliance with NYSDEC DER-10 was used to backfill the excavation areas created for this IRM.

Following the completion of the IRMs in November 2014, AECOM submitted a draft IRM CCR on February 15, 2015 describing those 2014 IRMs. The 2014 IRM CCR was written in compliance with DER-10 Section 5.8, Construction Completion Report and Final Engineering Report, and summarizes these IRM activities. The Final 2014 IRM CCR was approved by NYSDEC on March 27, 2015 (AECOM, March 2015).

On November 4, 2014, AECOM and NYSDEC inspected the concrete floor of the boiler room and AECOM sealed visible floor cracks with concrete calking. In addition, the annulus between a drain line effluent and the associated floor penetration foundation perforations was sealed with expanding foam. Two other foundation perforations (drains) were observed and temporarily plugged with modelling clay just prior to a sampling

event. The floor drains appeared to discharge to the bedding gravel beneath the concrete floor slab. On December 24, 2014 one sub-slab vapor sample, one indoor vapor sample, one ambient (outdoor) air sample, and an associated quality assurance / quality control sample were collected from the boiler room building at AVOX Plant 1, to determine if CVOCs were currently at indoor concentrations sufficiently elevated to trigger a need for mitigation activities. The December 2014 indoor air sample did not detect any chlorinated VOCs listed in the NYSDOH Guidance document. The 2014 sub-slab vapor sample detected 1,1,1-TCA, cis-1,2-DCE, 1,1-DCE, PCE, and TCE. According to the NYSDOH decision matrices, PCE and TCE concentrations trigger an action of 'monitor' only, while the 1,1,1-TCA, cis-1,2-DCE, and 1,1-DCE concentrations are below an action level. Low concentrations of 1,1,1-TCA, cis-1,2-DCE, and TCE were detected in the ambient (outdoor) air sample. The sealing of floor cracks and foundation perforations have decreased the concentrations in the indoor air samples and lowered the action level from 'mitigation' to 'monitoring' (AECOM, January 2015).

In 2014, an IRM pre-design investigation utilizing a combined membrane interface probe (MIP) and hydraulic profiling tool (HPT) was performed in Area 1; refer to Figure 15 for MIP locations. That pre-design investigation was performed in accordance with the MIP/HPT and Baseline Sampling Work Plan (AECOM, October 2014).

On November 24-25, 2014, 11 borings were completed throughout the groundwater plume in Area 1 to a depth of 20 ft bgs, with the objective of verifying the distribution of VOC COPCs in Area 1. The MIP/HPT was used to capture data at continuous depths at each boring. The MIP is a percussion tolerant VOC sensor that can continuously log VOCs that diffuse through a semi-permeable membrane. Using a carrier gas, the VOCs are brought to the surface through tubing which is connected to a laboratory grade halogen specific detector (XSD), PID, and flame ionization detector to provide immediate analysis. Concurrently, the HPT allows the user to create continuous real-time profiles of soil hydraulic properties in both fine-grained and coarse-grained material. The HPT uses a sensitive downhole transducer to measure the pressure response of the soil to injection of water. Injection pressure is a measure of the hydraulic properties of the soil; a relatively high pressure response indicates a higher proportion of clays and fine-grained materials, whereas a relatively low pressure response indicates a larger grain size and a higher K value.

The 3D Imaging Summary, MIP/HPT Boring Summary, and MIP Data Cross Section Figures prepared by Stock Drilling, Inc. summarize the field activities and results of the MIP/HPT analysis. XSD data were used as the prime indicator of contamination, as they are highly sensitive to chlorinated VOCs compared to the other data collection methods. Within the investigated zones, target treatment depths were identified using K data provided by the HPT analysis. The MIP/HPT results were generally consistent with groundwater data collected from June 2010 through June 2011. The data indicated that there are lower VOC concentrations present in the northern portion of the Site and that, where present, they are limited to the upper 14 ft of the overburden. In the southern portion of the Site, VOC concentrations were greater and also present in significant concentrations throughout the entire depth of the soil borings, with the 5-15 ft bgs region exhibiting the highest XSD response. In addition to MIP-8 located in the center of the groundwater plume, the easternmost and westernmost boring locations, MIP-11 and MIP-1, showed the highest VOC concentrations.

Remedial activities for the groundwater IRM were described in the Final Remedial Action Work Plan - 2015 Interim Remedial Measures - Groundwater Treatment (2015 IRM RAWP) (AECOM, March 25, 2015). On April 10, 2015 the NYSDEC provided approval to begin the described work per the 2015 IRM RAWP. In accordance with the AAR and the 2015 IRM RAWP, the remedial approach to address VOCs in Site groundwater was in-situ enhanced reductive dechlorination (ERD) via direct-push injections of Anaerobic Biochem (ABC®) with zero valent iron (ZVI), i.e., ABC+®. The final 2015 IRM CCR describes work completed to remediate VOCs in Site groundwater (AECOM, August 12, 2015).

2.4 REMEDIAL ACTION OBJECTIVES

The Remedial Action Objectives (RAOs) for the Site as listed in the Decision Document are as follows:

2.4.1 Groundwater

- RAOs for Public Health Protection
    - Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
    - Prevent contact with, or inhalation of, volatiles from contaminated groundwater.
- RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Prevent the discharge of contaminants to surface water.
- Remove the source of ground or surface water contamination.

2.4.2 Soil

- RAOs for Public Health Protection
  - Prevent ingestion/direct contact with contaminated soil.
  - Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.
- RAOs for Environmental Protection
  - Prevent migration of contaminants that would result in groundwater or surface water contamination.

2.4.3 Soil Vapor

- RAOs for Public Health Protection
  - Mitigate impacts to public health resulting from existing, or the potential for, SVI into buildings at a site.

2.5 REMAINING CONTAMINATION

2.5.1 Soil

Not applicable, as all confirmation samples after completion of remedial actions were below the Commercial Use SCOs per current zoning of the site.

2.5.2 Sediment

Not applicable, as there is no surface water on or adjacent to the site.

2.5.3 Groundwater

As discussed in Section 2.3, an IRM was completed focusing on Site groundwater. Per the 2015 IRM RAWP, the treatment area was divided into two target depths zones: a 12,600 square foot (sq. ft) shallow-only injection zone and a 20,025 sq. ft combined shallow-deep injection zone. In general, the shallow zone is defined as groundwater from 5 to 15 ft bgs, and the deep zone is defined as groundwater from 15 to 25 ft bgs. Forty-seven “shallow only” injection locations and 89 “shallow and deep”

injection locations were proposed in the 2015 IRM RAWP. In addition, six injection locations were proposed to target the storm sewer bedding outside the footprint of the shallow and deep TVOC groundwater plume. Refer to Figure 16 for locations of completed of injection points. Injection of ABC+® was performed through 1.5-inch injection rods penetrated into the subsurface with a direct-push Geoprobe® rig.

Approximately three months following the injection, groundwater samples were collected from 19 monitoring wells and piezometers, and analyzed for VOCs. Attached Table 4 summarizes post-injection VOC groundwater data, with exceedances of NYSDEC standards, criteria and guidance (SCGs) highlighted. Refer to Figure 16 and Figure 17 for the post 2015 IRM TVOC contaminant plumes for the shallow and deep overburden plumes respectively; note, data was collected in July 2015. Figure 18 (Shallow Overburden TCE Contour Map) and Figure 19 (Deep Overburden TCE Contour Map) summarize the results of all samples of groundwater that exceed the SCGs for TCE after completion of the 2015 IRM, using the data collected in July 2015.

Section 4 of this SMP describes groundwater sampling required as part of the Monitoring and Sampling Plan.

2.5.4 **Soil Vapor**

Not applicable.

3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN

3.1 GENERAL

Because remaining contamination exists at the site, Institutional Controls (ICs) and/or Engineering Controls (ECs) are required to protect human health and the environment. This IC/EC Plan describes the procedures for the implementation and management of all IC/ECs at the site. The IC/EC Plan is one component of the SMP, and is subject to revision by the NYSDEC.

This plan provides:

- A description of all IC/ECs on the site;
- The basic implementation and intended role of each IC/EC;
- A description of the key components of the ICs set forth in the Environmental Easement;
- A description of the controls to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of IC/ECs, such as the implementation of the Excavation Work Plan (EWP) (as provided in Appendix D) for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the site; and
- Any other provisions necessary to identify or establish methods for implementing the IC/ECs required by the site remedy, as determined by the NYSDEC.

3.2 INSTITUTIONAL CONTROLS

A series of ICs is required by the Decision Document to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination; and, (3) limit the use and development of the Site to commercial and/or industrial uses only. Adherence to these ICs on the Site is required by the Environmental Easement, and will be implemented under this SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the

Environmental Easement. The IC boundaries are shown on Figure 2 as the BCP boundary. These ICs are:

- The property may only be used for commercial and/or industrial use.
- All ECs must be operated and maintained as specified in this SMP.
- ECs must be inspected at a frequency and in a manner defined in this SMP.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP.
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP.
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP.
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP.
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP.
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.
- A provision for the evaluation of the potential for soil vapor intrusion for any existing on-Site buildings that become occupied or any buildings developed on the Site and/or developed in off-Site areas affected by contamination associated with this Site, including provisions for implementing actions recommended to address exposures related to soil vapor intrusion.
- Vegetable gardens and farming on the site are prohibited.

3.2.1 Monitoring Wells Associated with Monitored Natural Attenuation

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC in consultation with NYSDOH, until residual groundwater concentrations are found to be consistently below ambient water quality standards, the Site SCGs, or have become asymptotic at an acceptable level over an extended period. In the event that monitoring data indicates that monitoring for natural attenuation may no longer be required, a proposal to discontinue groundwater sampling will be submitted by the remedial party. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

3.3 ENGINEERING CONTROLS

Engineering Controls on the Site include the on-site storm sewer joint seals, the impermeable plugs across the storm sewer bedding, the caulking in the boiler room floor, and the seal around the annulus of a drain pipe in the boiler room.

3.3.1 Storm Sewer

The storm sewer engineering controls are sub-surface and cannot be visually inspected. Collection of water samples from catch basin (CB-1) will be used to assess the performance of the storm sewer joint seals. Groundwater sampling at the temporary piezometers screened in the storm sewer bedding will be used to assess the performance of the impermeable plugs across the storm sewer bedding.

3.3.2 Boiler Room

The engineering controls established in the Boiler Room as a result of the corrective actions completed to address SVI concerns consist of caulking in the boiler room floor and the seal around the annulus of a drain pipe in the boiler room. These engineering controls will be inspected quarterly and reported in the PRR. Inspections will continue until permission to discontinue is granted in writing by the NYSDEC. If the Boiler Room becomes occupied or its use changes, additional treatment and/or control measures will be evaluated.

4.0 MONITORING AND SAMPLING PLAN

4.1 GENERAL

This Monitoring and Sampling Plan describes the measures for evaluating the overall performance and effectiveness of the remedy. This Monitoring and Sampling Plan may only be revised with the approval of the NYSDEC. Details regarding the sampling procedures, data quality usability objectives, analytical methods, etc. for all samples collected as part of site management for the site are included in the Quality Assurance Project Plan provided in Appendix E.

This Monitoring and Sampling Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, storm sewer, indoor air, soil vapor, soils);
- Assessing compliance with applicable NYSDEC SCGs, particularly groundwater standards and Part 375 SCOs for soil; and
- Evaluating site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment;

To adequately address these issues, this Monitoring and Sampling Plan provides information on:

- Sampling locations, protocol and frequency;
- Information on all designed monitoring systems;
- Analytical sampling program requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

Reporting requirements are provided in Section 7.0 of this SMP.

4.2 SITE – WIDE INSPECTION

Site-wide inspections will be performed quarterly, or at a minimum of once per year. Modification to the frequency or duration of the inspections will require approval from the NYSDEC. Site-wide inspections will also be performed after all severe weather

conditions that may affect ECs or monitoring devices. During these inspections, an inspection form will be completed as provided in Appendix F – Site Management Forms. The form will compile sufficient information to assess the following:

- Compliance with all ICs, including site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General site conditions at the time of the inspection;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that site records are up to date.

Inspections of all remedial components installed at the site will be conducted. A comprehensive site-wide inspection will be conducted and documented according to the SMP schedule, regardless of the frequency of the Periodic Review Report. The inspections will determine and document the following:

- Whether ECs continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the Environmental Easement;
- Achievement of remedial performance criteria; and
- If site records are complete and up to date.

Reporting requirements are outlined in Section 7.0 of this plan.

Inspections will also be performed in the event of an emergency. If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs that reduces or has the potential to reduce the effectiveness of ECs in place at the site, verbal notice to the NYSDEC must be given by noon of the following day. In addition, an inspection of the site will be conducted by a qualified environmental professional within 5 days of the event, to verify the effectiveness of the IC/ECs implemented at the site, as determined by the NYSDEC. Written confirmation must be provided to the NYSDEC within 7 days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

4.3 TREATMENT SYSTEM MONITORING AND SAMPLING

Not applicable, as there is no treatment system at the Site.

4.4 POST-REMEDIATION MEDIA MONITORING AND SAMPLING

4.4.1 Soil Sampling

Not applicable, as the target SCOs for soil have been met.

4.4.2 Sediment Sampling

Not applicable, as there is no sediment on the Site.

4.4.3 Groundwater Sampling

Groundwater monitoring will be performed quarterly to assess the performance of the remedy. Modification to the frequency or sampling requirements will require approval from the NYSDEC.

The network of monitoring wells has been installed to monitor upgradient, on-site and downgradient groundwater conditions at the Site.

Table 5 summarizes the monitoring well construction details including identification number, as well as the purpose, location, depth, diameter and screened interval of each well. As part of the groundwater monitoring, 19 monitoring wells and piezometers, including five upgradient wells, nine on-site wells and five downgradient wells will be sampled, post-remedial action, to evaluate the effectiveness of the remedial system; refer to Table 6 for a list of wells to be sampled and associated analyses. Figure 16 and Figure 17 show the monitoring well network overlain by the post-IRM shallow and deep overburden groundwater TVOC plumes, respectively.

Monitoring well construction logs are included in Appendix C of this document.

If biofouling or silt accumulation occurs in the on-site and/or off-site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, a monitoring well will be properly decommissioned and replaced, if an event renders it unusable.

Repairs and/or replacement of wells in the monitoring well network will be performed based on assessments of structural integrity and overall performance.

The NYSDEC will be notified prior to any repair or the decommissioning of any monitoring well for the purpose of replacement. The repair or decommissioning and replacement process will be documented in the subsequent Periodic Review Report. Well

decommissioning without replacement will be done only with the prior approval of the NYSDEC. Well abandonment will be performed in accordance with NYSDEC's guidance entitled "CP-43: Groundwater Monitoring Well Decommissioning Procedures." Monitoring wells that are decommissioned because they have been rendered unusable will be replaced in kind in the nearest available location, unless otherwise approved by the NYSDEC.

The sampling frequency may only be modified with the approval of the NYSDEC. This SMP will be modified to reflect changes in sampling plans approved by the NYSDEC.

Deliverables for the groundwater monitoring program are specified in Section 7.0 – Reporting Requirements.

4.4.4 Storm Sewer Water Sampling

Storm sewer water sampling will be performed quarterly to assess the performance of the remedy. Modification to the frequency or sampling requirements will require approval from the NYSDEC.

Temporary piezometers have been installed in the storm sewer pipe bedding to monitor groundwater conditions in the bedding at the Site. Table 5 summarizes the piezometer construction details including identification number, as well as the purpose, location, depth, diameter and screened interval of each piezometer. As part of the storm sewer monitoring, two piezometers (TP-5 and TP-6) as well as one catch basin (CB-1), will be sampled, post-remedial action, to evaluate the effectiveness of the remedial system; refer to Table 6 for a list of piezometers to be sampled and associated analyses.

4.4.5 Soil Vapor Sampling

Not applicable.

4.4.6 Soil Vapor Intrusion Sampling

Subslab soil vapor sampling is not required at this time. If site conditions change, subslab soil vapor conditions will be reassessed.

4.4.7 Monitoring and Sampling Protocol

All sampling activities will be recorded in a field book and associated sampling log as provided in Appendix F - Site Management Forms. Other observations (e.g., groundwater monitoring well integrity, etc.) will be noted on the sampling log. The sampling log will serve as the inspection form for the monitoring network. Additional

details regarding monitoring and sampling protocols are provided in the site-specific Field Activities Plan provided as Appendix G of this document. The Health and Safety Plan is provided as Appendix H and will be updated as field conditions or tasks change.

5.0 OPERATION AND MAINTENANCE PLAN

5.1 GENERAL

The site remedy does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems or air sparge/soil vapor extraction systems to protect public health and the environment. Therefore, the operation and maintenance of such components is not included in this SMP.

6.0 PERIODIC ASSESSMENTS/EVALUATIONS

6.1 CLIMATE CHANGE VULNERABILITY ASSESSMENT

Increases in both the severity and frequency of storms/weather events, an increase in sea level elevations along with accompanying flooding impacts, shifting precipitation patterns and wide temperature fluctuation, resulting from global climactic change and instability, have the potential to significantly impact the performance, effectiveness and protectiveness of a given site and associated remedial systems. Vulnerability assessments provide information so that the site and associated remedial systems are prepared for the impacts of the increasing frequency and intensity of severe storms/weather events and associated flooding.

There are currently no vulnerability concerns at the site. If conditions change, the SMP will be updated per Section 1.2 of this SMP.

6.2 GREEN REMEDIATION EVALUATION

NYSDEC's DER-31 Green Remediation requires that green remediation concepts and techniques be considered during all stages of the remedial program including site management, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. This section of the SMP provides a summary of any green remediation evaluations to be completed for the site during site management, and as reported in the Periodic Review Report (PRR).

A Green Remediation is not applicable at the site at this time. If conditions change, the SMP will be updated per Section 1.2 of this SMP.

6.2.1 Timing of Green Remediation Evaluations

For major remedial system components, green remediation evaluations and corresponding modifications will be undertaken as part of a formal Remedial System Optimization, or at any time that the Project Manager feels appropriate, e.g. during significant maintenance events or in conjunction with storm recovery activities.

Modifications resulting from green remediation evaluations will be routinely implemented and scheduled to occur during planned/routine operation and maintenance activities. Reporting of these modifications will be presented in the PRR.

6.2.2 **Remedial Systems**

Remedial systems will be operated properly considering the current site conditions to conserve materials and resources to the greatest extent possible. Consideration will be given to operating rates and use of reagents and consumables. Spent materials will be sent for recycling, as appropriate. Note: no remedial systems are installed at the Site.

6.2.3 **Building Operations**

Structures including buildings and sheds will be operated and maintained to provide for the most efficient operation of the remedy, while minimizing energy, waste generation and water consumption. Note: no remedial buildings or sheds are associated with the Site.

6.2.4 **Frequency of System Checks, Sampling and Other Periodic Activities**

Transportation to and from the Site and the use of consumables in relation to visiting the Site in order to conduct system checks and/or collect samples and shipping samples to a laboratory for analyses have direct and/or inherent energy costs. The schedule and/or means of these periodic activities have been prepared so that these tasks can be accomplished in a manner that does not impact remedy protectiveness but reduces expenditure of energy or resources.

6.2.5 **Metrics and Reporting**

As discussed in Section 7.0 and as shown in Appendix F – Site Management Forms, information on energy usage, solid waste generation, transportation and shipping, water usage and land use and ecosystems will be recorded to facilitate and document consistent implementation of green remediation during site management and to identify corresponding benefits; a set of metrics has been developed.

6.3 **REMEDIAL SYSTEM OPTIMIZATION**

Not applicable as there are no active remedial systems installed at the site.

7.0 REPORTING REQUIREMENTS

7.1 SITE MANAGEMENT REPORTS

All site management inspection, maintenance and monitoring events will be recorded on the appropriate site management forms provided in Appendix F. These forms are subject to NYSDEC revision.

All applicable inspection forms and other records, including media sampling data and system maintenance reports, generated for the site during the reporting period will be provided in electronic format to the NYSDEC in accordance with the requirements of the table below and summarized in the Periodic Review Report.

Schedule of Interim Monitoring/Inspection Reports

Task/Report	Reporting Frequency*
Periodic Review Report	Annually

* The frequency of events will be conducted as specified until otherwise approved by the NYSDEC.

All interim monitoring/inspections reports will include, at a minimum:

- Date of event or reporting period;
- Name, company, and position of person(s) conducting monitoring/inspection activities;
- Description of the activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet);
- Type of samples collected (e.g., sub-slab vapor, indoor air, outdoor air, etc.);
- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation, etc.);
- Sampling results in comparison to appropriate standards/criteria;
- A figure illustrating sample type and sampling locations;
- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (to be submitted electronically in the NYSDEC-identified format);

- Any observations, conclusions, or recommendations; and
- A determination as to whether contaminant conditions have changed since the last reporting event.

Routine maintenance event reporting forms will include, at a minimum:

- Date of event;
- Name, company, and position of person(s) conducting maintenance activities;
- Description of maintenance activities performed;
- Any modifications to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and
- Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc., (attached to the checklist/form).

Non-routine maintenance event reporting forms will include, at a minimum:

- Date of event;
- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;
- Description of non-routine activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and
- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

Data will be reported in digital format as determined by the NYSDEC. Currently, data is to be supplied electronically and submitted to the NYSDEC EQuIS™ database in accordance with the requirements found at this link: http://www.dec.ny.gov/chemical/62440.html.

7.2 PERIODIC REVIEW REPORT

A PRR will be submitted to the Department beginning sixteen (16) months after the COC is issued. After submittal of the initial PRR, the next PRR shall be submitted annually to the Department or at another frequency as may be required by the Department. In the event that the site is subdivided into separate parcels with different ownership, a single Periodic Review Report will be prepared that addresses the Site as described in Appendix A - Environmental Easement. The report will be prepared in accordance with NYSDEC's DER-10 and submitted within 30 days of the end of each certification period. Media sampling results will also be incorporated into the Periodic Review Report. The report will include:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the site.
- Results of the required annual site inspections and severe condition inspections, if applicable.
- All applicable site management forms and other records generated for the site during the reporting period in the NYSDEC-approved electronic format, if not previously submitted.
- A summary of any discharge monitoring data and/or information generated during the reporting period, with comments and conclusions.
- Data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor, etc.), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends.
- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted in digital format as determined by the NYSDEC. Currently, data is supplied electronically and submitted to the NYSDEC EQuISTM database in accordance with the requirements found at this link: http://www.dec.ny.gov/chemical/62440.html.

- A site evaluation, which includes the following:
  - The compliance of the remedy with the requirements of the site-specific RAWP, Record of Decision or Decision Document;
  - The operation and the effectiveness of all treatment units, etc., including identification of any needed repairs or modifications;
  - Any new conclusions or observations regarding site contamination based on inspections or data generated by the Monitoring and Sampling Plan for the media being monitored;
  - Recommendations regarding any necessary changes to the remedy and/or Monitoring and Sampling Plan; and
  - Trends in contaminant levels in the affected media will be evaluated to determine if the remedy continues to be effective in achieving remedial goals as specified by the Decision Document.
  - The overall performance and effectiveness of the remedy.

7.2.1 **Certification of Institutional and Engineering Controls**

Following the last inspection of the reporting period, a qualified environmental professional will prepare, and include in the PRR, the following certification as per the requirements of NYSDEC DER-10:

"For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

- *The inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;*
- *The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;*
- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*
- *Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;*
- *Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*

- *If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;*
- *Use of the site is compliant with the environmental easement;*
- *The engineering control systems are performing as designed and are effective;*
- *To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program; and*
- *The information presented in this report is accurate and complete.*

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Dino Zack, PG, of AECOM, 257 West Genesee, Buffalo, New York 14202, am certifying as Owner's/Remedial Party's Designated Site Representative.

At the end of each certifying period, as determined by the NYSDEC, the following certification will be provided to the Department:

"For each institutional control identified for the site, I certify that all of the following statements are true:

- *The institutional control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;*
- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*
- *Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;*
- *Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*
- *If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;*
- *Use of the site is compliant with the environmental easement.*

- *The information presented in this report is accurate and complete.*

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Dino Zack, PG, of AECOM, 257 West Genesee, Buffalo, New York 14202, am certifying as Owner's Designated Site Representative.

The Department also requires that for BCP sites, including this Site, every five years the following certification will be added:

- *The assumptions made in the qualitative exposure assessment remain valid.*

The signed certification will be included in the PRR. The PRR will be submitted, in electronic format, to the NYSDEC Central Office, Regional Office in which the site is located, and the NYSDOH Bureau of Environmental Exposure Investigation. The PRR may need to be submitted in hard-copy format, as requested by the NYSDEC project manager.

7.3 CORRECTIVE MEASURES WORK PLAN

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control, a Corrective Measures Work Plan will be submitted to the NYSDEC for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the Corrective Measures Work Plan until it has been approved by the NYSDEC.

7.4 REMEDIAL SITE OPTIMIZATION REPORT

Not applicable as there are no active remedial systems installed at the site.

8.0 REFERENCES

NYSDEC. May 2010. Program Policy DER-10, Technical Guidance for Site Investigation and Remediation.

AECOM. February 2015. "Draft Construction Completion Report - Former Scott Aviation Facility Area 1 BCP Site, NYSDEC Site Code No. C915233, Lancaster, New York".

AECOM. January 2015. "Sub-Slab Vapor Evaluation - Former Scott Aviation Facility Area 1 BCP Site, NYSDEC Site Code No. C915233, Lancaster, New York".

AECOM. October 2014. "MIP/HPT and Baseline Sampling Work Plan – Former Scott Aviation Facility Area 1 BCP Site No. C915233, Lancaster, New York".

AECOM. October 2013. "Soil Vapor Intrusion Evaluation: Supplemental Soil and Groundwater Data Report - Former Scott Aviation Facility Area 1 BCP Site, NYSDEC Site Code No. C915233, Lancaster, New York".

AECOM. August 2013. "Soil Vapor Intrusion Evaluation - Former Scott Aviation Facility Area 1 BCP Site, NYSDEC Site Code No. C915233, Lancaster, New York".

AECOM. April 2013. "Draft Alternatives Analysis Report - Former Scott Aviation Facility Area 1 BCP Site, NYSDEC Site Code No. C915233, Lancaster, New York".

AECOM. April 2012. "Supplemental Remedial Investigation Report - Former Scott Aviation Facility Area 1 BCP Site, NYSDEC Site Code No. C915233, Lancaster, New York".

AECOM. September 2011. "Remedial Investigation Report - Former Scott Aviation Facility Area 1 BCP Site, NYSDEC Site Code No. C915233, Lancaster, New York".

AECOM. May 2010. "Addendum to the Remedial Investigation / Alternatives Analysis Work Plan - Former Scott Aviation Facility Area 1 BCP Site, NYSDEC Site Code No. C915233, Lancaster, New York".

AECOM. February 2010. "Remedial Investigation / Alternatives Analysis Work Plan - Former Scott Aviation Facility Area 1 BCP Site, NYSDEC Site Code No. C915233, Lancaster, New York".

Earth Tech. January 2008. “Preliminary Groundwater Assessment Report”, Former Scott Aviation Facility, Lancaster, New York.

NYSDEC. December 2006. “NYSDEC TOGS 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitation”.

NYSDEC. December 2006. Rules and Regulations, NYCRR Part 375 Environmental Remediation Programs.

Earth Tech. June 2004. “Phase II Environmental Site Investigation”, Tyco/Scott Aviation Facility, Lancaster, New York.

NYDEC. May 2004. “Draft Brownfield Cleanup Program Guide.”

Earth Tech. April 2004. “Phase I Environmental Site Assessment and Modified Compliance Assessment”, Tyco/Scott Aviation Facility, Lancaster, New York.

NYSDEC, 1998. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. June 1998 (April 2000 addendum).

TABLES

Table 1
Groundwater Elevation Data
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation	June 16, 2010		August 2, 2010		October 21, 2010		April 7, 2011		June 1, 2011		July 22, 2015	
		Depth to Groundwater (feet from TOC)	Groundwater Elevation (feet AMSL)	Depth to Groundwater (feet from TOC)	Groundwater Elevation (feet AMSL)	Depth to Groundwater (feet from TOC)	Groundwater Elevation (feet AMSL)	Depth to Groundwater (feet from TOC)	Groundwater Elevation (feet AMSL)	Depth to Groundwater (feet from TOC)	Groundwater Elevation (feet AMSL)	Depth to Groundwater (feet from TOC)	Groundwater Elevation (feet AMSL)
Monitoring Wells													
MW-30[1]	689.69	2.92	686.77	3.71	685.98	NA	NA	NA	NA	NA	NA	3.76	685.93
MW-35S	688.56	1.84	686.72	5.70	682.86	10.23	678.33	0.40	688.16	0.60	687.96	4.14	684.42
MW-35D	688.40	8.00	680.40	7.77	680.63	9.17	679.23	9.85	678.55	5.08	683.32	6.99	681.41
MW-36S	689.82	3.00	686.82	5.25	684.57	4.99	684.83	2.83	686.99	3.01	686.81	3.13	686.69
MW-36D	689.66	5.30	684.36	6.08	683.58	7.35	682.31	5.83	683.83	4.65	685.01	6.06	683.60
MW-37S	690.10	3.50	686.60	5.25	684.85	6.16	683.94	2.86	687.24	3.21	686.89	5.61	684.49
MW-37D	690.05	4.20	685.85	5.30	684.75	6.35	683.70	4.31	685.74	3.80	686.25	5.03	685.02
MW-38D	689.66	5.70	683.96	6.28	683.38	7.46	682.20	6.00	683.66	4.81	684.85	5.34	684.32
MW-39D	689.72	3.85	685.87	4.94	684.78	6.05	683.67	3.98	685.74	3.50	686.22	4.85	684.87
MW-40D	689.19	3.33	685.86	4.34	684.85	5.26	683.93	3.38	685.81	2.84	686.35	5.01	684.18
MW-41B	689.78	9.20	680.58	9.50	684.85	10.28	683.93	9.63	680.15	6.96	682.82	8.31	681.47
MW-42S	689.08	NA	NA	NA	NA	NA	NA	10.90	678.18	1.15	687.93	6.03	683.05
MW-43S	689.13	NA	NA	NA	NA	NA	NA	2.60	686.53	2.65	686.48	2.13	687.00
MW-44S	688.96	NA	NA	NA	NA	NA	NA	NA	NA	4.15	684.81	1.31	687.65
A1-GP01-S	689.96	NA	NA	5.55	684.41	6.20	683.76	1.95	688.01	2.98	686.98	NA	NA
A1-GP02-S	689.82	3.05	686.77	5.30	684.52	5.50	684.32	3.20	686.62	3.53	686.29	3.87	685.95
A1-GP03-S	690.70	4.38	686.32	6.54	684.16	7.59	683.11	4.78	685.92	5.10	685.60	4.75	685.95
A1-GP04-S	690.46	3.61	686.85	6.12	684.34	8.80	681.66	3.80	686.66	3.80	686.66	4.34	686.12
A1-GP05-S	690.38	4.80	685.58	6.36	684.02	7.40	682.98	4.55	685.83	4.75	685.63	5.21	685.17
A1-GP06-S	687.71	3.40	684.31	3.20	684.51	3.92	683.79	2.23	685.48	2.10	685.61	2.60	685.11
A1-GP07-S	690.47	3.70	686.77	6.20	684.27	6.86	683.61	3.95	686.52	4.20	686.27	4.29	686.18
A1-GP08-S	689.68	2.75	686.93	5.04	684.64	5.80	683.88	2.70	686.98	2.87	686.81	3.08	686.60
A1-GP09-S	689.36	2.45	686.91	5.80	683.56	7.80	681.56	2.37	686.99	2.55	686.81	2.78	686.58
A1-GP10-S	689.10	1.27	687.83	3.92	685.18	2.40	686.70	2.03	687.07	2.55	686.55	2.10	687.00
A1-GP11-S	689.34	4.04	685.30	4.50	684.84	4.70	684.64	4.25	685.09	4.10	685.24	NA	NA
A1-GP12-S	689.50	2.28	687.22	2.98	686.52	3.32	686.18	2.77	686.73	2.78	686.72	3.29	686.21
A1-GP13-S	689.69	1.34	688.35	3.55	686.14	4.56	685.13	3.25	686.44	3.10	686.59	2.64	687.05
A1-GP14-S	689.43	1.50	687.93	3.04	686.39	2.20	687.23	1.75	687.68	2.60	686.83	3.13	686.30
A1-GP15-S	687.69	0.54	687.15	4.40	683.29	7.64	680.05	0.10	687.59	1.20	686.49	2.59	685.10
A1-GP16-S	689.86	3.00	686.86	5.21	684.65	5.80	684.06	2.89	686.97	3.00	686.86	3.07	686.79
A1-GP17-S	690.11	3.16	686.95	6.40	683.71	5.82	684.29	3.12	686.99	3.28	686.83	3.51	686.60
A1-GP18-S	690.37	6.90	683.47	5.25	685.12	5.25	685.12	3.90	686.47	3.70	686.67	5.05	685.32

Notes:
1. Well is screened across both shallow and deep overburden units.
TOC - Top of Casing
AMSL - Above Mean Sea Level
NA - Not Available
S - well is screened in shallow overburden
D - well is screened in deep overburden
B - well is screened in bedrock

Table 2
RI VOC Groundwater Results
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

Sample Designation	CAS	NYSDEC	MW-30	MW-35S	MW-36S	GW-DUPLICATE-1	MW-37S	A1-GP01-S	A1-GP02-S	A1-GP03-S	A1-GP04-S	A1-GP05-S	A1-GP06-S	A1-GP07-S	A1-GP08-S	A1-GP09-S	A1-GP10-S	A1-GP11-S	A1-GP12-S
			June 2010																
			Shallow Overburden																
Laboratory Identification		Groundwater Guidance or	RTF1140-16	RTF1140-14	RTF1140-05	RTF1140-03	RTF1140-19	RTF1213-18	RTF1213-13	RTF1213-15	RTF1213-09	RTF1213-17	RTF1213-14	RTF1213-08	RTF1213-10	RTF1213-11	RTF1213-05	RTF1213-01	RTF1213-02
Date Sampled	Number	Standard Value (Note 1)	6/18/2010	6/17/2010	6/17/2010	6/17/2010	6/18/2010	6/22/2010	6/22/2010	6/21/2010	6/22/2010	6/21/2010	6/21/2010	6/22/2010	6/22/2010	6/22/2010	6/21/2010	6/21/2010	6/21/2010
BTEX Compounds (ug/L)																			
Benzene	71-43-2	1 s	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	20 U	20 U	20 U	20 U	0.41 U	8.2 U	16 U	10 U	0.41 U	0.41 U	**0.5 J**	0.41 U
Toluene	100-41-4	5 s	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	**1500**	26 U	26 U	26 U	0.51 U	10 U	20 U	13 U	0.51 U	**8**	0.51 U	0.51 U
Ethylbenzene	108-88-3	5 s	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	**100 J**	37 U	37 U	37 U	0.74 U	15 U	30 U	18 U	0.74 U	**2 J**	0.74 U	0.74 U
Xylenes (total)	1330-20-7	5 s	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	**790**	33 U	33 U	33 U	0.66 U	13 U	26 U	16 U	0.66 U	**16**	0.66 U	0.66 U
Total BTEX Compounds (ug/L)	NA	NL	--- U	--- U	--- U	--- U	--- U	2390	--- U	--- U	--- U	--- U	--- U	--- U	--- U	--- U	26	0.5	--- U
Other VOCs (ug/L)																			
1,1,1-Trichloroethane	71-55-6	5 s	0.82 U	0.82 U	0.82 U	0.82 U	**130**	**37000**	41 U	**18000**	41 U	**56**	**620**	33 U	20 U	0.82 U	**55000**	**2 J**	0.82 U
1,1,2,2-Tetrachloroethane	79-34-5	5 s	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	11 U	11 U	11 U	11 U	0.21 U	4.3 U	8.5 U	5.3 U	0.21 U	0.21 U	0.21 U	0.21 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5 s	0.31 U	0.31 U	0.31 U	0.31 U	**4.4 J**	**4400**	15 U	15 U	15 U	0.31 U	**660**	12 U	7.7 U	0.31 U	**1400 J**	**1.7 J**	**0.44 J**
1,1,2-Trichloroethane	79-00-5	1 s	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	**210 J**	12 U	**58 J**	12 U	0.23 U	4.6 U	9.2 U	5.8 U	0.23 U	**84**	**0.83 J**	0.23 U
1,1-Dichloroethane	75-34-3	5 s	**2.1 J**	0.38 U	0.38 U	0.38 U	**50**	**3300**	19 U	**3800**	19 U	**28**	**890**	15 U	9.6 U	0.38 U	**43000**	**33**	**6**
1,1-Dichloroethene	75-35-4	5 s	0.29 U	0.29 U	0.29 U	0.29 U	**5.8**	**3100**	15 U	**3100**	15 U	**11**	**63 J**	12 U	7.3 U	0.29 U	**1300 J**	**2.2 J**	**5.2**
1,2,4-Trichlorobenzene	120-82-1	5 s	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	20 U	20 U	20 U	20 U	0.41 U	8.2 U	16 U	10 U	0.41 U	0.41 U	0.41 U	0.41 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	20 U	20 U	20 U	20 U	0.39 U	7.9 U	16 U	9.8 U	0.39 U	0.39 U	0.39 U	0.39 U
1,2-Dibromoethane	106-93-4	0.0006 s	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	36 U	36 U	36 U	36 U	0.73 U	15 U	29 U	18 U	0.73 U	0.73 U	0.73 U	0.73 U
1,2-Dichlorobenzene	95-50-1	3 s	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	40 U	40 U	40 U	40 U	0.79 U	16 U	32 U	20 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2-Dichloroethane	107-06-2	0.6 s	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	**29 J**	11 U	59 J	11 U	0.21 U	4.3 U	8.6 U	5.4 U	0.21 U	**77**	0.21 U	0.21 U
1,2-Dichloropropane	78-87-5	1 s	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	36 U	36 U	36 U	36 U	0.72 U	14 U	29 U	18 U	0.72 U	0.72 U	0.72 U	0.72 U
1,3-Dichlorobenzene	541-73-1	3 s	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	39 U	39 U	39 U	39 U	0.78 U	16 U	31 U	20 U	0.78 U	0.78 U	0.78 U	0.78 U
1,4-Dichlorobenzene	106-46-7	3 s	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	42 U	42 U	42 U	42 U	0.84 U	17 U	34 U	21 U	0.84 U	0.84 U	0.84 U	0.84 U
2-Butanone	78-93-3	50 g	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**160 J**	66 U	66 U	66 U	1.3 U	26 U	53 U	33 U	1.3 U	**96**	1.3 U	1.3 U
2-Hexanone	591-78-6	50 g	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	62 U	62 U	62 U	62 U	1.2 U	25 U	50 U	31 U	1.2 U	1.2 U	1.2 U	1.2 U
4-Methyl-2-pentanone	108-10-1	NL	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	100 U	100 U	100 U	100 U	2.1 U	42 U	84 U	52 U	2.1 U	**2.6 J**	2.1 U	2.1 U
Acetone	67-64-1	50 g	3 U	3 U	3 U	**4.2 J**	3 U	**200 J**	150 U	150 U	150 U	3 U	60 U	120 U	75 U	3 U	3 U	3 U	3 U
Bromodichloromethane	75-27-4	50 g	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	19 U	19 U	19 U	19 U	0.39 U	7.7 U	15 U	9.6 U	0.39 U	0.39 U	0.39 U	0.39 U
Bromoform	75-25-2	50 g	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	13 U	13 U	13 U	13 U	0.26 U	5.1 U	10 U	6.4 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromomethane	74-83-9	5 s	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	34 U	34 U	34 U	34 U	0.69 U	14 U	28 U	17 U	0.69 U	0.69 U	0.69 U	0.69 U
Carbon disulfide	75-15-0	60 g	0.19 U	**1.4 J**	**1.2 J**	**1.2 J**	**2 J**	9.7 U	9.7 U	9.7 U	9.7 U	0.19 U	3.9 U	7.8 U	4.8 U	0.19 U	**0.87 J**	0.19 U	0.19 U
Carbon tetrachloride	56-23-5	5 s	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	13 U	13 U	13 U	13 U	0.27 U	5.3 U	11 U	6.7 U	0.27 U	0.27 U	0.27 U	0.27 U
Chlorobenzene	108-90-7	5 s	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	38 U	38 U	38 U	38 U	0.75 U	15 U	30 U	19 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloroethane	75-00-3	5 s	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	16 U	16 U	16 U	16 U	0.32 U	6.5 U	13 U	8.1 U	0.32 U	10000 U	0.32 U	0.32 U
Chloroform	67-66-3	7 s	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	17 U	17 U	17 U	17 U	0.34 U	6.7 U	13 U	8.4 U	0.34 U	**7.3**	0.34 U	0.34 U
Chloromethane	74-87-3	5 s	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	17 U	17 U	17 U	17 U	0.35 U	6.9 U	14 U	8.6 U	0.35 U	**0.46 J**	0.35 U	0.35 U
cis-1,2-Dichloroethene	156-59-2	5 s	**6.4**	0.81 U	**2.6 J**	**2.4 J**	0.81 U	**22000**	**6400**	**7100**	**3000**	**16**	**32 J**	**2000**	**1100**	0.81 U	10000 U	**520**	**1100**
cis-1,3-Dichloropropene	10061-01-5	0.4 s	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	18 U	18 U	18 U	18 U	0.36 U	7.1 U	14 U	8.9 U	0.36 U	0.36 U	0.36 U	0.36 U
Cyclohexane	110-82-7	NL	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	9 U	9 U	9 U	9 U	0.18 U	3.6 U	7.2 U	4.5 U	0.18 U	0.18 U	0.18 U	0.18 U
Dibromochloromethane	124-48-1	50 g	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	16 U	16 U	16 U	16 U	0.32 U	6.4 U	13 U	8.1 U	0.32 U	0.32 U	0.32 U	0.32 U
Dichlorodifluoromethane	75-71-8	5 s	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	34 U	34 U	34 U	34 U	0.68 U	14 U	27 U	17 U	0.68 U	**1.2 J**	0.68 U	**1.2 J**
Isopropylbenzene	98-82-8	5 s	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	40 U	40 U	40 U	40 U	0.79 U	16 U	32 U	20 U	0.79 U	0.79 U	0.79 U	0.79 U
Methyl acetate	79-20-9	NL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	25 U	25 U	25 U	0.5 U	10 U	20 U	13 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	1634-04-4	10 g	0.16 U	0.16 U	0.16 U	0.16 U	**0.62 J**	8 U	8 U	8 U	8 U	0.16 U	3.2 U	6.4 U	4 U	0.16 U	0.16 U	0.16 U	0.16 U
Methylcyclohexane	108-87-2	NL	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	8 U	8 U	8 U	8 U	0.16 U	3.2 U	6.4 U	4 U	0.16 U	0.16 U	0.16 U	0.16 U
Methylene chloride	75-09-2	5 s	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	22 U	22 U	22 U	22 U	0.44 U	8.8 U	18 U	11 U	0.44 U	**17**	0.44 U	0.44 U
Styrene	100-42-5	5 s	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	36 U	36 U	36 U	36 U	0.73 U	15 U	29 U	18 U	0.73 U	0.73 U	0.73 U	0.73 U
Tetrachloroethene	127-18-4	5 s	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	18 U	18 U	18 U	18 U	0.36 U	7.3 U	15 U	9.1 U	0.36 U	**1.2 J**	0.36 U	0.36 U
trans-1,2-Dichloroethene	156-60-5	5 s	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	**80 J**	**94 J**	45 U	45 U	0.9 U	18 U	36 U	22 U	0.9 U	**1.3 J**	**11**	**29**
trans-1,3-Dichloropropene	10061-02-6	0.4 s	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	18 U	18 U	18 U	18 U	0.37 U	7.4 U	15 U	9.2 U	0.37 U	0.37 U	0.37 U	0.37 U
Trichloroethene	79-01-6	5 s	**1.4 J**	0.46 U	**7.2**	**7.1**	**5.5**	**4500**	**11000**	**1500**	**14000**	**1.6 J**	**46 J**	**4900**	**1600**	0.46 U	**92**	**300**	**600**
Trichlorofluoromethane	75-69-4	5 s	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	44 U	44 U	44 U	44 U	0.88 U	18 U	35 U	22 U	0.88 U	0.88 U	0.88 U	0.88 U
Vinyl chloride	75-01-4	2 s	**4.9 J**	0.9 U	0.9 U	0.9 U	0.9 U	**63 J**	45 U	45 U	**160 J**	0.9 U	18 U	**44 J**	22 U	0.9 U	**41**	**33**	**130**
Total VOCs (ug/L) (Note 2)	NA	NL	14.8	1.4	11	14.9	198.32	77432	17494	33558	17160	112.6	2311	6944	2700	--- U	101147.9	904.23	1871.84

Notes:
NA = Not analyzed, not applicable.
NL = Not listed.
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit.
Shaded value - compound detected in a concentration greater than the groundwater standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total VOCs includes BTEX compounds.

Table 2
RI VOC Groundwater Results
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

			June 2010														August 2010		
			Shallow Overburden						Deep Overburden							Bedrock	Shallow Overburden		
Sample Designation	**CAS**	**NYSDEC**	**A1-GP13-S**	**A1-GP14-S**	**A1-GP15-S**	**A1-GP16-S**	**A1-GP17-S**	**A1-GP18-S**	**MW-35D**	**MW-36D**	**MW-37D**	**MW-38D**	**MW-39D**	**MW-40D**	**GW-DUPLICATE-2**	**MW-41B2**	**MW-30**	**MW-35S**	**MW-36S**
Laboratory Identification	**Number**	**Groundwater Guidance or**	**RTF1213-04**	**RTF1213-03**	**RTF1140-09**	**RTF1140-08**	**RTF1140-06**	**RTF1140-18**	**RTF1140-15**	**RTF1140-04**	**RTF1140-20**	**RTF1213-12**	**RTF1140-17**	**RTF1213-06**	**RTF1213-07**	**RTF1140-07**	**RTH0401-01**	**RTH0401-07**	**RTH0401-02**
Date Sampled		**Standard Value (Note 1)**	**6/21/2010**	**6/21/2010**	**6/17/2010**	**6/17/2010**	**6/17/2010**	**6/18/2010**	**6/17/2010**	**6/17/2010**	**6/18/2010**	**6/22/2010**	**6/18/2010**	**6/21/2010**	**6/21/2010**	**6/17/2010**	**8/3/2010**	**8/2/2010**	**8/3/2010**
BTEX Compounds (ug/L)																			
Benzene	71-43-2	1 s	**22**	**1.3 J**	0.41 U	2 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	20 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Toluene	100-41-4	5 s	**43**	0.51 U	0.51 U	2.6 U	**0.51 J**	0.51 U	0.51 U	0.51 U	0.51 U	**300**	0.51 U	0.51 U	0.51 U	**1.3 J**	0.51 U	0.51 U	0.51 U
Ethylbenzene	108-88-3	5 s	**96**	0.74 U	0.74 U	3.7 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	**270**	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U
Xylenes (total)	1330-20-7	5 s	**1600**	0.66 U	0.66 U	3.3 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	**730 J**	0.66 U	**1.1 J**	**1.1 J**	**0.71 J**	0.66 U	0.66 U	0.66 U
Total BTEX Compounds (ug/L)	NA	NL	1761	1.3	--- U	--- U	0.51	--- U	--- U	--- U	--- U	1300	--- U	1.1	1.1	2.01	--- U	--- U	--- U
Other VOCs (ug/L)																			
1,1,1-Trichloroethane	71-55-6	5 s	**2.2 J**	0.82 U	0.82 U	4.1 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	41 U	**17**	**23**	**22**	0.82 U	0.82 U	0.82 U	0.82 U
1,1,2,2-Tetrachloroethane	79-34-5	5 s	0.21 U	0.21 U	0.21 U	1.1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	11 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5 s	**6.6**	0.31 U	0.31 U	1.5 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	15 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
1,1,2-Trichloroethane	79-00-5	1 s	**7**	0.23 U	0.23 U	1.2 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	12 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,1-Dichloroethane	75-34-3	5 s	**400**	0.38 U	0.38 U	1.9 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	19 U	**4.7 J**	**260**	**240**	0.38 U	**2.4 J**	0.38 U	0.38 UJ
1,1-Dichloroethene	75-35-4	5 s	**10**	0.29 U	0.29 U	1.5 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	15 U	**2.3 J**	**1.8 J**	**1.7 J**	0.29 U	0.29 U	0.29 U	0.29 U
1,2,4-Trichlorobenzene	120-82-1	5 s	0.41 U	0.41 U	0.41 U	2 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	20 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	0.39 U	0.39 U	0.39 U	2 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	20 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
1,2-Dibromoethane	106-93-4	0.0006 s	0.73 U	0.73 U	0.73 U	3.6 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	36 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
1,2-Dichlorobenzene	95-50-1	3 s	0.79 U	0.79 U	0.79 U	4 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	40 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2-Dichloroethane	107-06-2	0.6 s	**6.8**	0.21 U	0.21 U	1.1 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	11 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
1,2-Dichloropropane	78-87-5	1 s	0.72 U	0.72 U	0.72 U	3.6 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	36 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
1,3-Dichlorobenzene	541-73-1	3 s	0.78 U	0.78 U	0.78 U	3.9 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	39 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
1,4-Dichlorobenzene	106-46-7	3 s	0.84 U	0.84 U	0.84 U	4.2 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	42 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U	0.84 U
2-Butanone	78-93-3	50 g	1.3 U	1.3 U	1.3 U	6.6 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	66 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
2-Hexanone	591-78-6	50 g	1.2 U	1.2 U	1.2 U	6.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	62 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
4-Methyl-2-pentanone	108-10-1	NL	2.1 U	2.1 U	**9.3 J**	10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	100 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Acetone	67-64-1	50 g	**7 J**	3 U	23 J	15 U	3 U	3 U	**4.1 J**	3 U	3 U	150 U	3 U	**3.4 J**	3 U	**5.7 J**	3 U	**3.8 J**	3 U
Bromodichloromethane	75-27-4	50 g	0.39 U	0.39 U	0.39 U	1.9 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	19 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
Bromoform	75-25-2	50 g	0.26 U	0.26 U	0.26 U	1.3 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	13 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromomethane	74-83-9	5 s	0.69 U	0.69 U	0.69 U	3.4 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	34 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Carbon disulfide	75-15-0	60 g	0.19 U	0.19 U	**0.52 J**	0.97 U	0.19 U	0.19 U	**0.71 J**	0.19 U	0.19 U	9.7 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon tetrachloride	56-23-5	5 s	0.27 U	0.27 U	0.27 U	1.3 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	13 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Chlorobenzene	108-90-7	5 s	0.75 U	0.75 U	0.75 U	3.8 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	38 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloroethane	75-00-3	5 s	**160**	0.32 U	0.32 U	1.6 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	16 U	0.32 U	**1.4 J**	**1.3 J**	0.32 U	0.32 U	0.32 U	0.32 U
Chloroform	67-66-3	7 s	0.34 U	0.34 U	0.34 U	1.7 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	17 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Chloromethane	74-87-3	5 s	0.35 U	0.35 U	0.35 U	1.7 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	17 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
cis-1,2-Dichloroethene	156-59-2	5 s	**550**	0.81 U	0.81 U	**19 J**	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	**4400**	0.81 U	**1.2 J**	**1.2 J**	0.81 U	**7.7**	0.81 U	**1.5 J**
cis-1,3-Dichloropropene	10061-01-5	0.4 s	0.36 U	0.36 U	0.36 U	1.8 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	18 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Cyclohexane	110-82-7	NL	**2.5 J**	0.18 U	0.18 U	0.9 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	9 U	0.18 U	0.18 U	0.18 U	**2.3 J**	0.18 U	0.18 U	0.18 U
Dibromochloromethane	124-48-1	50 g	0.32 U	0.32 U	0.32 U	1.6 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	16 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Dichlorodifluoromethane	75-71-8	5 s	0.68 U	0.68 U	0.68 U	3.4 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	34 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
Isopropylbenzene	98-82-8	5 s	0.79 U	0.79 U	0.79 U	4 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	40 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Methyl acetate	79-20-9	NL	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	1634-04-4	10 g	0.16 U	0.16 U	0.16 U	0.8 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	8 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Methylcyclohexane	108-87-2	NL	**23**	0.16 U	0.16 U	0.8 U	**0.56 J**	0.16 U	0.16 U	0.16 U	0.16 U	8 U	0.16 U	0.16 U	**5.1**	0.16 U	0.16 U	0.16 U	0.16 U
Methylene chloride	75-09-2	5 s	**8.3**	0.44 U	0.44 U	2.2 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	22 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Styrene	100-42-5	5 s	0.73 U	0.73 U	0.73 U	3.6 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	36 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U
Tetrachloroethene	127-18-4	5 s	**0.6 J**	0.36 U	0.36 U	1.8 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	**230 J**	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
trans-1,2-Dichloroethene	156-60-5	5 s	**13**	**1.3 J**	0.9 U	4.5 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	45 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U
trans-1,3-Dichloropropene	10061-02-6	0.4 s	0.37 U	0.37 U	0.37 U	1.8 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	18 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
Trichloroethene	79-01-6	5 s	**3.9 J**	0.46 U	0.46 U	2.3 U	0.46 U	0.46 U	0.46 U	**2.1 J**	0.46 U	**11000**	0.46 U	**2.8 J**	**2.8 J**	0.46 U	**1.6 J**	0.46 U	**0.58 J**
Trichlorofluoromethane	75-69-4	5 s	0.88 U	0.88 U	0.88 U	4.4 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	44 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Vinyl chloride	75-01-4	2 s	**770**	**4 J**	0.9 U	4.5 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	45 U	0.9 U	0.9 U	0.9 U	**5.9**	0.9 U	0.9 U	
Total VOCs (ug/L) (Note 2)	NA	NL	3731.9	6.6	9.82	19	1.07	--- U	4.81	2.1	--- U	16930	24	294.7	270.1	13.1	17.6	3.8	2.08

Notes:
NA = Not analyzed, not applicable.
NL = Not listed.
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit.
Shaded value - compound detected in a concentration greater than the groundwater standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total VOCs includes BTEX compounds.

Table 2
RI VOC Groundwater Results
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

			August 2010															
			Shallow Overburden															
Sample Designation		**NYSDEC**	**GW-DUPLICATE-1**	**MW-37S**	**A1-GP01-S**	**A1-GP02-S**	**A1-GP03-S**	**A1-GP04-S**	**A1-GP05-S**	**A1-GP06-S**	**A1-GP07-S**	**A1-GP08-S**	**A1-GP09-S**	**A1-GP10-S**	**A1-GP11-S**	**A1-GP12-S**	**A1-GP13-S**	**A1-GP14-S**	**A1-GP15-S**
Laboratory Identification	**CAS**	**Groundwater Guidance or**	**RTH0401-06**	**RTH0401-10**	**RTH0401-14**	**RTH0401-15**	**RTH0401-16**	**RTH0401-17**	**RTH0401-18**	**RTH0401-19**	**RTH0401-20**	**RTH0402-01**	**RTH0402-02**	**RTH0402-03**	**RTH0402-04**	**RTH0402-05**	**RTH0402-06**	**RTH0402-07**	**RTH0402-08**
Date Sampled	**Number**	**Standard Value (Note 1)**	**8/2/2010**	**8/3/2010**	**8/4/2010**	**8/4/2010**	**8/4/2010**	**8/4/2010**	**8/4/2010**	**8/4/2010**	**8/4/2010**	**8/4/2010**	**8/3/2010**	**8/3/2010**	**8/3/2010**	**8/3/2010**	**8/3/2010**	**8/3/2010**	**8/2/2010**
BTEX Compounds (ug/L)																			
Benzene	71-43-2	1 s	0.41 U	1.6 U	100 U	82 U	160 U	**1.4 J**	0.41 U	8.2 U	20 U	10 U	0.41 U	510 U	4.1 U	8.2 U	**34 J**	**5.5**	0.41 U
Toluene	100-41-4	5 s	0.51 U	2 U	**340 J**	100 U	200 U	**1.6 J**	0.51 U	10 U	26 U	13 U	0.51 U	640 U	5.1 U	10 U	**63**	0.51 U	0.51 U
Ethylbenzene	108-88-3	5 s	0.74 U	3 U	180 U	150 U	300 U	**0.75 J**	0.74 U	15 U	37 U	18 U	0.74 U	920 U	7.4 U	15 U	**120**	0.74 U	0.74 U
Xylenes (total)	1330-20-7	5 s	0.66 U	2.6 U	160 U	130 U	260 U	0.66 U	0.66 U	13 U	33 U	16 U	0.66 U	820 U	6.6 U	13 U	**2000**	0.66 U	0.66 U
Total BTEX Compounds (ug/L)	NA	NL	--- U	--- U	340	--- U	--- U	3.75	--- U	--- U	--- U	--- U	--- U	--- U	--- U	--- U	2217	5.5	--- U
Other VOCs (ug/L)																			
1,1,1-Trichloroethane	71-55-6	5 s	0.82 U	**200**	**7500**	160 U	**39000**	**14**	**98**	**1700**	41 U	20 U	0.82 U	**84000**	8.2 U	16 U	8.2 U	0.82 U	0.82 U
1,1,2,2-Tetrachloroethane	79-34-5	5 s	0.21 U	0.85 U	53 U	43 U	85 U	0.21 U	0.21 U	4.3 U	11 U	5.3 U	0.21 U	270 U	2.1 U	4.3 U	2.1 U	0.21 U	0.21 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5 s	0.31 U	**6.3 J**	**1000 J**	62 U	120 U	**1.7 J**	0.31 U	**1900**	15 U	7.7 U	0.31 U	**1900 J**	**14 J**	6.2 U	**17 J**	0.31 U	0.31 U
1,1,2-Trichloroethane	79-00-5	1 s	0.23 U	0.92 U	**180 J**	46 U	92 U	**0.59 J**	0.23 U	**16 J**	12 U	5.8 U	0.23 U	290 U	2.3 U	4.6 U	**13 J**	0.23 U	0.23 U
1,1-Dichloroethane	75-34-3	5 s	0.38 UJ	**440**	**2000**	77 U	**6200**	**13**	**38**	**3200**	19 U	9.6 U	0.38 U	**48000**	**68**	**14 J**	**620**	**1 J**	0.38 U
1,1-Dichloroethene	75-35-4	5 s	0.29 U	**20**	**760 J**	59 U	**5600**	**20**	**21**	**270**	15 U	7.3 U	0.29 U	**2000 J**	**6.5 J**	**17 J**	**46 J**	0.29 U	0.29 U
1,2,4-Trichlorobenzene	120-82-1	5 s	0.41 U	1.6 U	100 U	82 U	160 U	0.41 U	0.41 U	8.2 U	20 U	10 U	0.41 U	510 U	4.1 U	8.2 U	4.1 U	0.41 U	0.41 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	0.39 U	1.6 U	98 U	79 U	160 U	0.39 U	0.39 U	7.9 U	20 U	9.8 U	0.39 U	490 U	3.9 U	7.9 U	3.9 U	0.39 U	0.39 U
1,2-Dibromoethane	106-93-4	0.0006 s	0.73 U	2.9 U	180 U	150 U	290 U	0.73 U	0.73 U	15 U	36 U	18 U	0.73 U	910 U	7.3 U	15 U	7.3 U	0.73 U	0.73 U
1,2-Dichlorobenzene	95-50-1	3 s	0.79 U	3.2 U	200 U	160 U	320 U	0.79 U	0.79 U	16 U	40 U	20 U	0.79 U	990 U	7.9 U	16 U	7.9 U	0.79 U	0.79 U
1,2-Dichloroethane	107-06-2	0.6 s	0.21 U	0.86 U	54 U	43 U	86 U	0.21 U	0.21 U	4.3 U	11 U	5.4 U	0.21 U	270 U	2.1 U	4.3 U	**14 J**	0.21 U	0.21 U
1,2-Dichloropropane	78-87-5	1 s	0.72 U	2.9 U	180 U	140 U	290 U	0.72 U	0.72 U	14 U	36 U	18 U	0.72 U	900 U	7.2 U	14 U	7.2 U	0.72 U	0.72 U
1,3-Dichlorobenzene	541-73-1	3 s	0.78 U	3.1 U	200 U	160 U	310 U	0.78 U	0.78 U	16 U	39 U	20 U	0.78 U	980 U	7.8 U	16 U	7.8 U	0.78 U	0.78 U
1,4-Dichlorobenzene	106-46-7	3 s	0.84 U	3.4 U	210 U	170 U	340 U	0.84 U	0.84 U	17 U	42 U	21 U	0.84 U	1000 U	8.4 U	17 U	8.4 U	0.84 U	0.84 U
2-Butanone	78-93-3	50 g	1.3 U	5.3 U	330 U	260 U	530 U	1.3 U	1.3 U	26 U	66 U	33 U	1.3 U	1600 U	13 U	26 U	13 U	1.3 U	1.3 U
2-Hexanone	591-78-6	50 g	1.2 U	5 U	310 U	250 U	500 U	1.2 U	1.2 U	25 U	62 U	31 U	1.2 U	1600 U	12 U	25 U	12 U	1.2 U	1.2 U
4-Methyl-2-pentanone	108-10-1	NL	2.1 U	8.4 U	520 U	420 U	840 U	2.1 U	2.1 U	42 U	100 U	52 U	2.1 U	2600 U	21 U	42 U	21 U	2.1 U	2.1 U
Acetone	67-64-1	50 g	3 U	12 U	750 U	600 U	1200 U	3 U	3 U	60 U	150 U	75 U	3 U	3800 U	30 U	60 U	30 U	**5.2 J**	**3.4 J**
Bromodichloromethane	75-27-4	50 g	0.39 U	1.5 U	96 U	77 U	150 U	0.39 U	0.39 U	7.7 U	19 U	9.6 U	0.39 U	480 U	3.9 U	7.7 U	3.9 U	0.39 U	0.39 U
Bromoform	75-25-2	50 g	0.26 U	1 U	64 U	51 U	100 U	0.26 U	0.26 U	5.1 U	13 U	6.4 U	0.26 U	320 U	2.6 U	5.1 U	2.6 U	0.26 U	0.26 U
Bromomethane	74-83-9	5 s	0.69 U	2.8 U	170 U	140 U	280 U	0.69 U	0.69 U	14 U	34 U	17 U	0.69 U	860 U	6.9 U	14 U	6.9 U	0.69 U	0.69 U
Carbon disulfide	75-15-0	60 g	0.19 U	0.78 U	48 U	39 U	78 U	0.19 U	0.19 U	3.9 U	9.7 U	4.8 U	0.19 U	240 U	1.9 U	3.9 U	1.9 U	0.19 U	0.19 U
Carbon tetrachloride	56-23-5	5 s	0.27 U	1.1 U	67 U	53 U	110 U	0.27 U	0.27 U	5.3 U	13 U	6.7 U	0.27 U	330 U	2.7 U	5.3 U	2.7 U	0.27 U	0.27 U
Chlorobenzene	108-90-7	5 s	0.75 U	3 U	190 U	150 U	300 U	0.75 U	0.75 U	15 U	38 U	19 U	0.75 U	940 U	7.5 U	15 U	7.5 U	0.75 U	0.75 U
Chloroethane	75-00-3	5 s	0.32 U	1.3 U	81 U	65 U	130 U	0.32 U	0.32 U	6.5 U	16 U	8.1 U	0.32 U	400 U	3.2 U	6.5 U	**180**	**0.62 J**	0.32 U
Chloroform	67-66-3	7 s	0.34 U	1.3 U	84 U	67 U	130 U	0.34 U	0.34 U	6.7 U	17 U	8.4 U	0.34 U	420 U	3.4 U	6.7 U	3.4 U	0.34 U	0.34 U
Chloromethane	74-87-3	5 s	0.35 U	1.4 U	86 U	69 U	140 U	0.35 U	0.35 U	6.9 U	17 U	8.6 U	0.35 U	430 U	3.5 U	6.9 U	3.5 U	0.74 J	0.35 U
cis-1,2-Dichloroethene	156-59-2	5 s	**1.4 J**	3.2 U	**15000**	**10000**	**12000**	**3100**	**22**	**130**	**1300**	**2400**	0.81 U	1000 U	**1000**	**2900**	**2200**	**0.88 J**	0.81 U
cis-1,3-Dichloropropene	10061-01-5	0.4 s	0.36 U	1.4 U	89 U	71 U	140 U	0.36 U	0.36 U	7.1 U	18 U	8.9 U	0.36 U	440 U	3.6 U	7.1 U	3.6 U	0.36 U	0.36 U
Cyclohexane	110-82-7	NL	0.18 U	0.72 U	45 U	36 U	72 U	0.18 U	0.18 U	3.6 U	9 U	4.5 U	0.18 U	220 U	1.8 U	3.6 U	**5.7 J**	0.18 U	0.18 U
Dibromochloromethane	124-48-1	50 g	0.32 U	1.3 U	81 U	64 U	130 U	0.32 U	0.32 U	6.4 U	16 U	8.1 U	0.32 U	400 U	3.2 U	6.4 U	3.2 U	0.32 U	0.32 U
Dichlorodifluoromethane	75-71-8	5 s	0.68 U	2.7 U	170 U	140 U	270 U	0.68 U	0.68 U	**33 J**	34 U	17 U	0.68 U	850 U	6.8 U	14 U	6.8 U	0.68 U	0.68 U
Isopropylbenzene	98-82-8	5 s	0.79 U	3.2 U	200 U	160 U	320 U	0.79 U	0.79 U	16 U	40 U	20 U	0.79 U	990 U	7.9 U	16 U	7.9 U	0.79 U	0.79 U
Methyl acetate	79-20-9	NL	0.5 U	2 U	130 U	100 U	200 U	0.5 U	0.5 U	10 U	25 U	13 U	0.5 U	630 U	5 U	10 U	5 U	0.5 U	0.5 U
Methyl tert-butyl ether	1634-04-4	10 g	0.16 U	0.64 U	40 U	32 U	64 U	0.16 U	0.16 U	3.2 U	8 U	4 U	0.16 U	200 U	1.6 U	3.2 U	1.6 U	0.16 U	0.16 U
Methylcyclohexane	108-87-2	NL	0.16 U	0.64 U	40 U	32 U	64 U	0.16 U	0.16 U	3.2 U	8 U	4 U	0.16 U	200 U	1.6 U	3.2 U	**36 J**	0.16 U	0.16 U
Methylene chloride	75-09-2	5 s	0.44 U	1.8 U	110 U	88 U	180 U	0.44 U	0.44 U	8.8 U	22 U	11 U	0.44 U	550 U	4.4 U	8.8 U	50 U	0.44 U	0.44 U
Styrene	100-42-5	5 s	0.73 U	2.9 U	180 U	150 U	290 U	0.73 U	0.73 U	15 U	36 U	18 U	0.73 U	910 U	7.3 U	15 U	7.3 U	0.73 U	0.73 U
Tetrachloroethene	127-18-4	5 s	0.36 U	1.5 U	91 U	73 U	150 U	**1.8 J**	0.36 U	7.3 U	18 U	9.1 U	0.36 U	460 U	3.6 U	7.3 U	3.6 U	0.36 U	0.36 U
trans-1,2-Dichloroethene	156-60-5	5 s	0.9 U	3.6 U	220 U	**190 J**	360 U	**35**	**0.96 J**	18 U	45 U	22 U	0.9 U	1100 U	**28 J**	**120**	**28 J**	**6.2**	0.9 U
trans-1,3-Dichloropropene	10061-02-6	0.4 s	0.37 U	1.5 U	92 U	74 U	150 U	0.37 U	0.37 U	7.4 U	18 U	9.2 U	0.37 U	460 U	3.7 U	7.4 U	3.7 U	0.37 U	0.37 U
Trichloroethene	79-01-6	5 s	**0.58 J**	**3 J**	**340 J**	**20000**	**2400**	**13000**	**2.4 J**	**200**	**2900**	**1900**	**0.88 J**	570 U	**700**	**1500**	**11 J**	0.46 U	0.46 U
Trichlorofluoromethane	75-69-4	5 s	0.88 U	3.5 U	220 U	180 U	350 U	0.88 U	0.88 U	18 U	44 U	22 U	0.88 U	1100 U	8.8 U	18 U	8.8 U	0.88 U	0.88 U
Vinyl chloride	75-01-4	2 s	0.9 U	3.6 U	220 U	180 U	360 U	**480 J**	**1.2 J**	**20 J**	**69 J**	**49 J**	0.9 U	1100 U	**60**	**240**	**2200**	**11**	0.9 U
Total VOCs (ug/L) (Note 2)	NA	NL	1.98	669.3	27120	30190	65200	16669.84	183.56	7469	4269	4349	0.88	135900	1876.5	4791	7587.7	30.4	3.4

Notes:

NA = Not analyzed, not applicable.

NL = Not listed.

U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.

Bold value - compound detected at concentration greater than the reporting limit.

Shaded value - compound detected in a concentration greater than the groundwater standard or guidance value.

s = Standard Value

g = Guidance Value

Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].

Note 2 - Total VOCs includes BTEX compounds.

Table 2
RI VOC Groundwater Results
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

			August 2010																			
			Shallow Overburden						Deep Overburden												Bedrock	
Sample Designation	CAS	NYSDEC	A1-GP16-S		A1-GP17-S		A1-GP18-S		MW-35D		MW-36D		MW-37D		MW-38D		MW-39D		MW-40D		GW-DUPLICATE-2		MW-41B2	
Laboratory Identification	Number	Groundwater Guidance or	RTH0402-09		RTH0402-10		RTH0402-11		RTH0401-08		RTH0401-09		RTH0401-11		RTH0401-12		RTH0401-03		RTH0401-13		RTH0402-13		RTH0401-04	
Date Sampled		Standard Value (Note 1)	8/2/2010		8/3/2010		8/2/2010		8/2/2010		8/2/2010		8/3/2010		8/4/2010		8/3/2010		8/3/2010		8/3/2010		8/2/2010	
BTEX Compounds (ug/L)																								
Benzene	71-43-2	1 s	2	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	82	U	0.41	U	1.6	U	0.41	U	0.41	U
Toluene	100-41-4	5 s	2.6	U	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U	100	U	0.51	U	2	U	0.51	U	**2**	**J**
Ethylbenzene	108-88-3	5 s	3.7	U	0.74	U	0.74	U	0.74	U	0.74	U	0.74	U	150	U	0.74	U	3	U	0.74	U	0.74	U
Xylenes (total)	1330-20-7	5 s	3.3	U	0.66	U	0.66	U	0.66	U	0.66	U	0.66	U	**260**	**J**	0.66	U	2.6	U	0.66	U	0.66	U
Total BTEX Compounds (ug/L)	NA	NL	---	U	---	U	---	U	---	U	---	U	---	U	260		---	U	---	U	---	U	2	
Other VOCs (ug/L)																								
1,1,1-Trichloroethane	71-55-6	5 s	4.1	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	160	U	**13**		**25**		**26**		0.82	U
1,1,2,2-Tetrachloroethane	79-34-5	5 s	1.1	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	43	U	0.21	U	0.85	U	0.21	U	0.21	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5 s	1.5	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	62	U	0.31	U	1.2	U	**2**	**J**	0.31	U
1,1,2-Trichloroethane	79-00-5	1 s	1.2	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	46	U	0.23	U	0.92	U	0.23	U	0.23	U
1,1-Dichloroethane	75-34-3	5 s	1.9	U	0.38	U	0.38	U	0.38	U	0.38	UJ	0.38	U	77	U	**5.8**		**550**		**1100**		0.38	U
1,1-Dichloroethene	75-35-4	5 s	1.5	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	59	U	**3.1**	**J**	**6**	**J**	**3.9**	**J**	0.29	U
1,2,4-Trichlorobenzene	120-82-1	5 s	2	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	82	U	0.41	U	1.6	U	0.41	U	0.41	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	2	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	79	U	0.39	U	1.6	U	0.39	U	0.39	U
1,2-Dibromoethane	106-93-4	0.0006 s	3.6	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	150	U	0.73	U	2.9	U	0.73	U	0.73	U
1,2-Dichlorobenzene	95-50-1	3 s	4	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	160	U	0.79	U	3.2	U	0.79	U	0.79	U
1,2-Dichloroethane	107-06-2	0.6 s	1.1	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	43	U	0.21	U	0.86	U	**0.71**	**J**	0.21	U
1,2-Dichloropropane	78-87-5	1 s	3.6	U	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	140	U	0.72	U	2.9	U	0.72	U	0.72	U
1,3-Dichlorobenzene	541-73-1	3 s	3.9	U	0.78	U	0.78	U	0.78	U	0.78	U	0.78	U	160	U	0.78	U	3.1	U	0.78	U	0.78	U
1,4-Dichlorobenzene	106-46-7	3 s	4.2	U	0.84	U	0.84	U	0.84	U	0.84	U	0.84	U	170	U	0.84	U	3.4	U	0.84	U	0.84	U
2-Butanone	78-93-3	50 g	6.6	U	1.3	U	1.3	U	1.3	U	**200**		1.3	U	260	U	1.3	U	5.3	U	1.3	U	1.3	U
2-Hexanone	591-78-6	50 g	6.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	250	U	1.2	U	5	U	1.2	U	1.2	U
4-Methyl-2-pentanone	108-10-1	NL	10	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	420	U	2.1	U	8.4	U	2.1	U	2.1	U
Acetone	67-64-1	50 g	15	U	3	U	3	U	3	U	**21**	**J**	**7.7**	**J**	600	U	**4**	**J**	12	U	**7.4**	**J**	**6.8**	**J**
Bromodichloromethane	75-27-4	50 g	1.9	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	77	U	0.39	U	1.5	U	0.39	U	0.39	U
Bromoform	75-25-2	50 g	1.3	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	51	U	0.26	U	1	U	0.26	U	0.26	U
Bromomethane	74-83-9	5 s	3.4	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	140	U	0.69	U	2.8	U	0.69	U	0.69	U
Carbon disulfide	75-15-0	60 g	0.97	U	0.19	U	0.19	U	**0.69**	**J**	**0.93**	**J**	**1.1**	**J**	39	U	0.19	U	**4**	**J**	**3.7**	**J**	**1.1**	**J**
Carbon tetrachloride	56-23-5	5 s	1.3	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	53	U	0.27	U	1.1	U	0.27	U	0.27	U
Chlorobenzene	108-90-7	5 s	3.8	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	150	U	0.75	U	3	U	0.75	U	0.75	U
Chloroethane	75-00-3	5 s	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	65	U	0.32	U	1.3	U	**2.9**	**J**	0.32	U
Chloroform	67-66-3	7 s	1.7	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	67	U	0.34	U	1.3	U	0.34	U	0.34	U
Chloromethane	74-87-3	5 s	1.7	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	69	U	0.35	U	1.4	U	0.35	U	0.35	U
cis-1,2-Dichloroethene	156-59-2	5 s	**69**		0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	**13000**		0.81	U	3.2	U	**2**	**J**	0.81	U
cis-1,3-Dichloropropene	10061-01-5	0.4 s	1.8	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	71	U	0.36	U	1.4	U	0.36	U	0.36	U
Cyclohexane	110-82-7	NL	0.9	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	36	U	0.18	U	0.72	U	0.18	U	**1.5**	**J**
Dibromochloromethane	124-48-1	50 g	1.6	U	0.32	U	0.32	U	0.32	U	0.32	U	0.32	U	64	U	0.32	U	1.3	U	0.32	U	0.32	U
Dichlorodifluoromethane	75-71-8	5 s	3.4	U	0.68	U	0.68	U	0.68	U	0.68	U	0.68	U	140	U	0.68	U	2.7	U	0.68	U	0.68	U
Isopropylbenzene	98-82-8	5 s	4	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	160	U	0.79	U	3.2	U	0.79	U	0.79	U
Methyl acetate	79-20-9	NL	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	100	U	0.5	U	2	U	0.5	U	0.5	U
Methyl tert-butyl ether	1634-04-4	10 g	0.8	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	32	U	0.16	U	0.64	U	0.16	U	0.16	U
Methylcyclohexane	108-87-2	NL	0.8	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	32	U	0.16	U	0.64	U	0.16	U	**3.5**	**J**
Methylene chloride	75-09-2	5 s	2.2	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	88	U	0.44	U	1.8	U	0.44	U	0.44	U
Styrene	100-42-5	5 s	3.6	U	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U	150	U	0.73	U	2.9	U	0.73	U	0.73	U
Tetrachloroethene	127-18-4	5 s	1.8	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	**130**	**J**	0.36	U	1.5	U	0.36	U	0.36	U
trans-1,2-Dichloroethene	156-60-5	5 s	4.5	U	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U	180	U	0.9	U	3.6	U	0.9	U	0.9	U
trans-1,3-Dichloropropene	10061-02-6	0.4 s	1.8	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	74	U	0.37	U	1.5	U	0.37	U	0.37	U
Trichloroethene	79-01-6	5 s	2.3	U	0.46	U	0.46	U	0.46	U	**0.74**	**J**	0.46	U	**2100**		0.46	U	1.8	U	**1.9**	**J**	0.46	U
Trichlorofluoromethane	75-69-4	5 s	4.4	U	0.88	U	0.88	U	0.88	U	0.88	U	0.88	U	180	U	0.88	U	3.5	U	0.88	U	0.88	U
Vinyl chloride	75-01-4	2 s	**5**	**J**	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U	180	U	0.9	U	3.6	U	**1.2**	**J**	0.9	U
Total VOCs (ug/L) (Note 2)	NA	NL	74		---	U	---	U	0.69		222.67		8.8		15490		25.9		585		1151.71		14.9	

Notes:
NA = Not analyzed, not applicable.
NL = Not listed.
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit.
Shaded value - compound detected in a concentration greater than the groundwater standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total VOCs includes BTEX compounds.

Table 3
SRI VOC Groundwater Results
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

			SRI April 2011						SRI June 2011			
			Shallow Overburden						Shallow Overburden			
Sample Designation	CAS	NYSDEC	MW-42S		MW-43S		Duplicate MW-43S		MW-44S		Duplicate MW-44S	
Laboratory Identification	Number	Groundwater Guidance or	480-3472-2		480-3472-3		480-3472-1FD		480-5581-1		480-5581-5	
Date Sampled		Standard Value (Note 1)	4/7/2011		4/7/2011		4/7/2011		6/1/2011		6/1/2011	
BTEX Compounds (ug/L)												
Benzene	71-43-2	1 s	**1.9**		1	UJ	**0.44**		1	U	1	U
Toluene	100-41-4	5 s	**1100**		**1.5**		**1.5**		1	U	1	U
Ethylbenzene	108-88-3	5 s	1	U	1	U	1	U	1	U	1	U
Xylenes (total)	1330-20-7	5 s	1	U	**1.7**	**J**	**1.5**	**J**	2	U	2	U
Total BTEX Compounds (ug/L)	NA	NL	1,102		3.2		3.4		---	U	---	U
Other VOCs (ug/L)												
1,1,1-Trichloroethane	71-55-6	5 s	**25000**		**15**		**17**		1	U	1	U
1,1,2,2-Tetrachloroethane	79-34-5	5 s	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5 s	**1700**		**7.4**		**6**		1	U	1	U
1,1,2-Trichloroethane	79-00-5	1 s	**240**	**J**	1	U	1	U	1	U	1	U
1,1-Dichloroethane	75-34-3	5 s	**8550**		**13**		**14**		1	U	1	U
1,1-Dichloroethene	75-35-4	5 s	**6100**		**3.5**	**J**	**2**	**J**	1	U	1	U
1,2,4-Trichlorobenzene	120-82-1	5 s	1	U	1	U	1	U	1	U	1	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane	106-93-4	0.0006 s	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	95-50-1	3 s	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	107-06-2	0.6 s	**76**		1	U	1	U	1	U	1	U
1,2-Dichloropropane	78-87-5	1 s	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	541-73-1	3 s	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	106-46-7	3 s	1	U	1	U	1	U	1	U	1	U
2-Butanone	78-93-3	50 g	**510**	**J**	**3.3**	**J**	**3**		10	U	10	U
2-Hexanone	591-78-6	50 g	**11**		5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	108-10-1	NL	**3.5**	**J**	5	U	5	U	5	U	5	U
Acetone	67-64-1	50 g	**400**		**13**		**15**		10	U	10	U
Bromodichloromethane	75-27-4	50 g	1	U	1	U	1	U	1	U	1	U
Bromoform	75-25-2	50 g	1	U	1	U	1	U	1	U	1	U
Bromomethane	74-83-9	5 s	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	75-15-0	60 g	**9**		**1.1**		**0.99**	**J**	1	U	1	U
Carbon tetrachloride	56-23-5	5 s	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	108-90-7	5 s	1	U	1	U	1	U	1	U	1	U
Chloroethane	75-00-3	5 s	**100**	**J**	**12**		**11**		1	U	1	U
Chloroform	67-66-3	7 s	**4.8**		1	U	1	U	1	UJ	0.46	J
Chloromethane	74-87-3	5 s	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	156-59-2	5 s	**1000**		**34**		**33**		1	U	1	U
cis-1,3-Dichloropropene	10061-01-5	0.4 s	1	U	1	U	1	U	1	U	1	U
Cyclohexane	110-82-7	NL	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	124-48-1	50 g	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	75-71-8	5 s	1	U	1	UJ	**12**	**J**	1	U	1	U
Isopropylbenzene	98-82-8	5 s	1	U	1	U	1	U	1	U	1	U
Methyl acetate	79-20-9	NL	1	U	1	U	1	U	1	U	1	U
Methyl tert-butyl ether	1634-04-4	10 g	1	U	1	U	1	U	1	U	1	U
Methylcyclohexane	108-87-2	NL	1	U	**0.69**	**J**	**0.61**		1	U	1	U
Methylene chloride	75-09-2	5 s	**11**		1	U	1	U	1	U	1	U
Styrene	100-42-5	5 s	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	127-18-4	5 s	**5.6**		1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	156-60-5	5 s	**31**		1	U	1	U	1	U	1	U
trans-1,3-Dichloropropene	10061-02-6	0.4 s	1	U	1	U	1	U	1	U	1	U
Trichloroethene	79-01-6	5 s	**13000**		**15**		**16**		1	U	1	U
Trichlorofluoromethane	75-69-4	5 s	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	75-01-4	2 s	**27**		**19**		**22**		1	U	1	U
Total VOCs (ug/L) (Note 2)	NA	NL	57,881		140.19		156.04		---	U	0.46	

Notes:
NA = Not analyzed, not applicable.
NL = Not listed.
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit
Shaded value - compound detected in a concentration greater than the groundwater standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total VOCs includes BTEX compounds.

Table 4
Post-Remedial VOC Groundwater Results
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

Sample Designation / Laboratory Identification / Date Sampled	CAS Number	NYSDEC Groundwater Guidance or Standard Value (Note 1)	MW-30 480-84790-10 07/29/2015		MW-35S 480-84681-8 07/28/2015		MW-36S 480-84790-3 07/29/2015		A1-GP02-S 480-84681-3 07/28/2015		A1-GP06-S 480-84624-3 07/27/2015		A1-GP10-S 480-84681-5 7/28/2015	
BTEX Compounds (ug/L)														
Benzene	71-43-2	1 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Toluene	108-88-3	5 s	1.0	U	1.0	U	1.0	U	100	U	**15**		25	U
Ethylbenzene	100-41-4	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Xylenes (total)	1330-20-7	5 s	2.0	U	2.0	U	2.0	U	200	U	2.0	U	50	U
Total BTEX Compounds (ug/L)	NA	NL	---	U	---	U	---	U	---	U	15		---	U
Other VOCs (ug/L)														
1,1,1-Trichloroethane	71-55-6	5 s	1.0	U	1.0	U	1.0	U	100	U	**110**		**12000**	
1,1,2,2-Tetrachloroethane	79-34-5	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5 s	1.0	U	1.0	U	1.0	U	100	U	**300**		**430**	
1,1,2-Trichloroethane	79-00-5	1 s	1.0	U	1.0	U	1.0	U	100	U	**4.1**		25	U
1,1-Dichloroethane	75-34-3	5 s	**1.4**		1.0	U	0.52	J	100	U	**3300**		**2900**	
1,1-Dichloroethene	75-35-4	5 s	1.0	U	1.0	U	1.0	U	34	J	**60**		**1600**	
1,2,4-Trichlorobenzene	120-82-1	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,2-Dibromoethane	106-93-4	0.0006 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,2-Dichlorobenzene	95-50-1	3 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,2-Dichloroethane	107-06-2	0.6 s	1.0	U	1.0	U	1.0	U	100	U	**3.1**		**9.6**	**J**
1,2-Dichloropropane	78-87-5	1 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,3-Dichlorobenzene	541-73-1	3 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,4-Dichlorobenzene	106-46-7	3 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
2-Butanone	78-93-3	50 g	10	U	10	U	**170**		1000	U	**140**		**380**	
2-Hexanone	591-78-6	50 g	5.0	U	5.0	U	**28**		500	U	5.0	U	130	U
4-Methyl-2-pentanone	108-10-1	NL	5.0	U	5.0	U	5.0	U	500	U	5.0	U	130	U
Acetone	67-64-1	50 g	10	U	10	U	**400**		360	J	**50**		**950**	
Bromodichloromethane	75-27-4	50 g	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Bromoform	75-25-2	50 g	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Bromomethane	74-83-9	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Carbon disulfide	75-15-0	60 g	1.0	U	1.0	U	**2.1**		100	U	0.34	J	25	U
Carbon tetrachloride	56-23-5	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Chlorobenzene	108-90-7	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Chloroethane	75-00-3	5 s	1.0	U	1.0	U	1.0	U	100	U	**36**		25	U
Chloroform	67-66-3	7 s	1.0	U	1.0	U	1.0	U	100	U	0.68	J	16	J
Chloromethane	74-87-3	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
cis-1,2-Dichloroethene	156-59-2	5 s	**5.2**		1.0	U	**1.4**		**23000**		**270**		**45**	
cis-1,3-Dichloropropene	10061-01-5	0.4 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Cyclohexane	110-82-7	NL	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Dibromochloromethane	124-48-1	50 g	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Dichlorodifluoromethane	75-71-8	5 s	1.0	U	1.0	U	1.0	U	100	U	**190**		25	U
Isopropylbenzene	98-82-8	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Methyl acetate	79-20-9	NL	2.5	U	2.5	U	2.5	U	250	U	**16**		63	U
Methyl tert-butyl ether	1634-04-4	10 g	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Methylcyclohexane	108-87-2	NL	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Methylene chloride	75-09-2	5 s	1.0	U	1.0	U	1.0	U	92	J	1.0	U	20	J
Styrene	100-42-5	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Tetrachloroethene	127-18-4	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
trans-1,2-Dichloroethene	156-60-5	5 s	1.0	U	1.0	U	1.0	U	**120**		**3.2**		25	U
trans-1,3-Dichloropropene	10061-02-6	0.4 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Trichloroethene	79-01-6	5 s	**1.1**		1.0	U	1.0	U	**8000**		**18**		**36**	
Trichlorofluoromethane	75-69-4	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Vinyl chloride	75-01-4	2 s	**1.4**		1.0	U	1.0	U	**140**		**16**		25	U
Total VOCs (ug/L) (Note 2)	NA	NL	9.1		---	U	602.02		31,746		4,532.42		18,386.60	
Total Organic Carbon (mg/L)	NA	NL	**3.7**		**2**	**B**	**1130**	**B**	**3700**		**1420**		**1570**	

Notes:
NA = Not analyzed, not applicable.
NL = Not listed.
U = The material was analyzed for but not detected at, or above, the reporting limit.
The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit
Shaded value - Compound detected in a concentration greater than the groundwater standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total VOCs includes BTEX compounds.

Table 4
Post-Remedial VOC Groundwater Results
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

Sample Designation / Laboratory Identification / Date Sampled	CAS Number	NYSDEC Groundwater Guidance or Standard Value (Note 1)	A1-GP15-S 480-84790-6 07/29/2015		A1-GP18-S 480-84624-4 07/27/2015		MW-35D 480-84681-4 07/28/2015		MW-36D 480-84790-4 07/29/2015		MW-37D 480-84790-5 07/29/2015		MW-38D 480-84624-1 07/27/2015	
BTEX Compounds (ug/L)														
Benzene	71-43-2	1 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Toluene	108-88-3	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Ethylbenzene	100-41-4	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	3.8	J
Xylenes (total)	1330-20-7	5 s	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	4.8	J
Total BTEX Compounds (ug/L)	NA	NL	---	U	---	U	---	U	---	U	---	U	8.6	J
Other VOCs (ug/L)														
1,1,1-Trichloroethane	71-55-6	5 s	**3.0**		1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,1,2,2-Tetrachloroethane	79-34-5	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,1,2-Trichloroethane	79-00-5	1 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,1-Dichloroethane	75-34-3	5 s	1.0	U	1.0	U	1.0	U	0.57	J	1.0	U	4.0	U
1,1-Dichloroethene	75-35-4	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,2,4-Trichlorobenzene	120-82-1	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,2-Dibromoethane	106-93-4	0.0006 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,2-Dichlorobenzene	95-50-1	3 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,2-Dichloroethane	107-06-2	0.6 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,2-Dichloropropane	78-87-5	1 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,3-Dichlorobenzene	541-73-1	3 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,4-Dichlorobenzene	106-46-7	3 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
2-Butanone	78-93-3	50 g	10	U	**130**		10	U	**130**		**280**		40	U
2-Hexanone	591-78-6	50 g	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	20	U
4-Methyl-2-pentanone	108-10-1	NL	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	20	U
Acetone	67-64-1	50 g	**11**		**140**		10	U	10	U	**50**		40	U
Bromodichloromethane	75-27-4	50 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Bromoform	75-25-2	50 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Bromomethane	74-83-9	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Carbon disulfide	75-15-0	60 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Carbon tetrachloride	56-23-5	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Chlorobenzene	108-90-7	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Chloroethane	75-00-3	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Chloroform	67-66-3	7 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Chloromethane	74-87-3	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
cis-1,2-Dichloroethene	156-59-2	5 s	**6.5**		**3.0**		1.0	U	1.0	U	1.0	U	**390**	
cis-1,3-Dichloropropene	10061-01-5	0.4 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Cyclohexane	110-82-7	NL	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Dibromochloromethane	124-48-1	50 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Dichlorodifluoromethane	75-71-8	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Isopropylbenzene	98-82-8	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Methyl acetate	79-20-9	NL	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	10	U
Methyl tert-butyl ether	1634-04-4	10 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Methylcyclohexane	108-87-2	NL	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Methylene chloride	75-09-2	5 s	1.0	U	1.0	U	1.0	U	0.67	J	1.0	U	4.0	U
Styrene	100-42-5	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Tetrachloroethene	127-18-4	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
trans-1,2-Dichloroethene	156-60-5	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
trans-1,3-Dichloropropene	10061-02-6	0.4 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Trichloroethene	79-01-6	5 s	**4.0**		1.0	U	1.0	U	1.0	U	1.0	U	**6.8**	
Trichlorofluoromethane	75-69-4	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Vinyl chloride	75-01-4	2 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**60**	
Total VOCs (ug/L) (Note 2)	NA	NL	24.5		273.0		---	U	131.24		330		465.4	
Total Organic Carbon (mg/L)	NA	NL	**3.6**	**B**	**829**	**B**	**3.3**	**B**	**4880**	**B**	**1060**	**B**	**7240**	

Notes:
NA = Not analyzed, not applicable.
NL = Not listed.
U = The material was analyzed for but not detected at, or above, the reporting limit.
The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit
Shaded value - Compound detected in a concentration greater than the groundwater standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total VOCs includes BTEX compounds.

Table 4
Post-Remedial VOC Groundwater Results
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

Sample Designation / Laboratory Identification / Date Sampled	CAS Number	NYSDEC Groundwater Guidance or Standard Value (Note 1)	MW-39D 480-84790-7 07/29/2015		MW-40D 480-84624-2 07/27/2015		MW-42S 480-84624-5 07/27/2015		MW-43S 480-84790-1 07/29/2015		MW-44S 480-84790-2 07/29/2015	
BTEX Compounds (ug/L)												
Benzene	71-43-2	1 s	1.0	U	100	U	200	U	**1.3**		5.0	U
Toluene	108-88-3	5 s	1.0	U	100	U	**590**		0.97	J	5.0	U
Ethylbenzene	100-41-4	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Xylenes (total)	1330-20-7	5 s	2.0	U	200	U	400	U	1.7	J	10	U
Total BTEX Compounds (ug/L)	NA	NL	---	U	---	U	590		3.97		---	U
Other VOCs (ug/L)												
1,1,1-Trichloroethane	71-55-6	5 s	1.0	U	100	U	**1700**		1.0	U	5.0	U
1,1,2,2-Tetrachloroethane	79-34-5	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5 s	1.0	U	100	U	**660**		1.0	U	5.0	U
1,1,2-Trichloroethane	79-00-5	1 s	1.0	U	100	U	71	J	1.0	U	5.0	U
1,1-Dichloroethane	75-34-3	5 s	0.80	J	**12000**		**9700**		**29**		5.0	U
1,1-Dichloroethene	75-35-4	5 s	1.0	U	64	J	**2400**		1.0	U	5.0	U
1,2,4-Trichlorobenzene	120-82-1	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,2-Dibromoethane	106-93-4	0.0006 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,2-Dichlorobenzene	95-50-1	3 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,2-Dichloroethane	107-06-2	0.6 s	1.0	U	100	U	44	J	1.0	U	5.0	U
1,2-Dichloropropane	78-87-5	1 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,3-Dichlorobenzene	541-73-1	3 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,4-Dichlorobenzene	106-46-7	3 s	1.0	U	100	U	200	U	1.0	U	5.0	U
2-Butanone	78-93-3	50 g	**420**		260	J	2000	U	**250**		50	U
2-Hexanone	591-78-6	50 g	5.0	U	500	U	1000	U	3.1	J	25	U
4-Methyl-2-pentanone	108-10-1	NL	5.0	U	500	U	1000	U	5.0	U	25	U
Acetone	67-64-1	50 g	**18**		1000	U	2000	U	**980**		50	U
Bromodichloromethane	75-27-4	50 g	1.0	U	100	U	200	U	1.0	U	5.0	U
Bromoform	75-25-2	50 g	1.0	U	100	U	200	U	1.0	U	5.0	U
Bromomethane	74-83-9	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Carbon disulfide	75-15-0	60 g	1.0	U	100	U	200	U	1.0	U	0.96	J
Carbon tetrachloride	56-23-5	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Chlorobenzene	108-90-7	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Chloroethane	75-00-3	5 s	1.0	U	**1100**		**170**	**J**	**13**		5.0	U
Chloroform	67-66-3	7 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Chloromethane	74-87-3	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
cis-1,2-Dichloroethene	156-59-2	5 s	1.0	U	100	U	**6700**		**46**		5.0	U
cis-1,3-Dichloropropene	10061-01-5	0.4 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Cyclohexane	110-82-7	NL	1.0	U	100	U	200	U	1.0	U	5.0	U
Dibromochloromethane	124-48-1	50 g	1.0	U	100	U	200	U	1.0	U	5.0	U
Dichlorodifluoromethane	75-71-8	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Isopropylbenzene	98-82-8	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Methyl acetate	79-20-9	NL	**21**		250	U	500	U	2.5	U	13	U
Methyl tert-butyl ether	1634-04-4	10 g	1.0	U	100	U	200	U	1.0	U	5.0	U
Methylcyclohexane	108-87-2	NL	1.0	U	100	U	200	U	1.0	U	5.0	U
Methylene chloride	75-09-2	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Styrene	100-42-5	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Tetrachloroethene	127-18-4	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
trans-1,2-Dichloroethene	156-60-5	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
trans-1,3-Dichloropropene	10061-02-6	0.4 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Trichloroethene	79-01-6	5 s	1.0	U	100	U	**280**		0.60	J	5.0	U
Trichlorofluoromethane	75-69-4	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Vinyl chloride	75-01-4	2 s	1.0	U	100	U	200	U	**7.0**		5.0	U
Total VOCs (ug/L) (Note 2)	NA	NL	459.80		13,424		22,315		1,332.67		0.96	
Total Organic Carbon (mg/L)	NA	NL	**3340**	**B**	**1260**		**1560**		**2060**	**B**	**31.6**	**B**

Notes:
NA = Not analyzed, not applicable.
NL = Not listed.
U = The material was analyzed for but not detected at, or above, the reporting limit.
The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit
Shaded value - Compound detected in a concentration greater than the groundwater standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total VOCs includes BTEX compounds.

Table 5
Monitoring Well Analytical Sampling Program
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

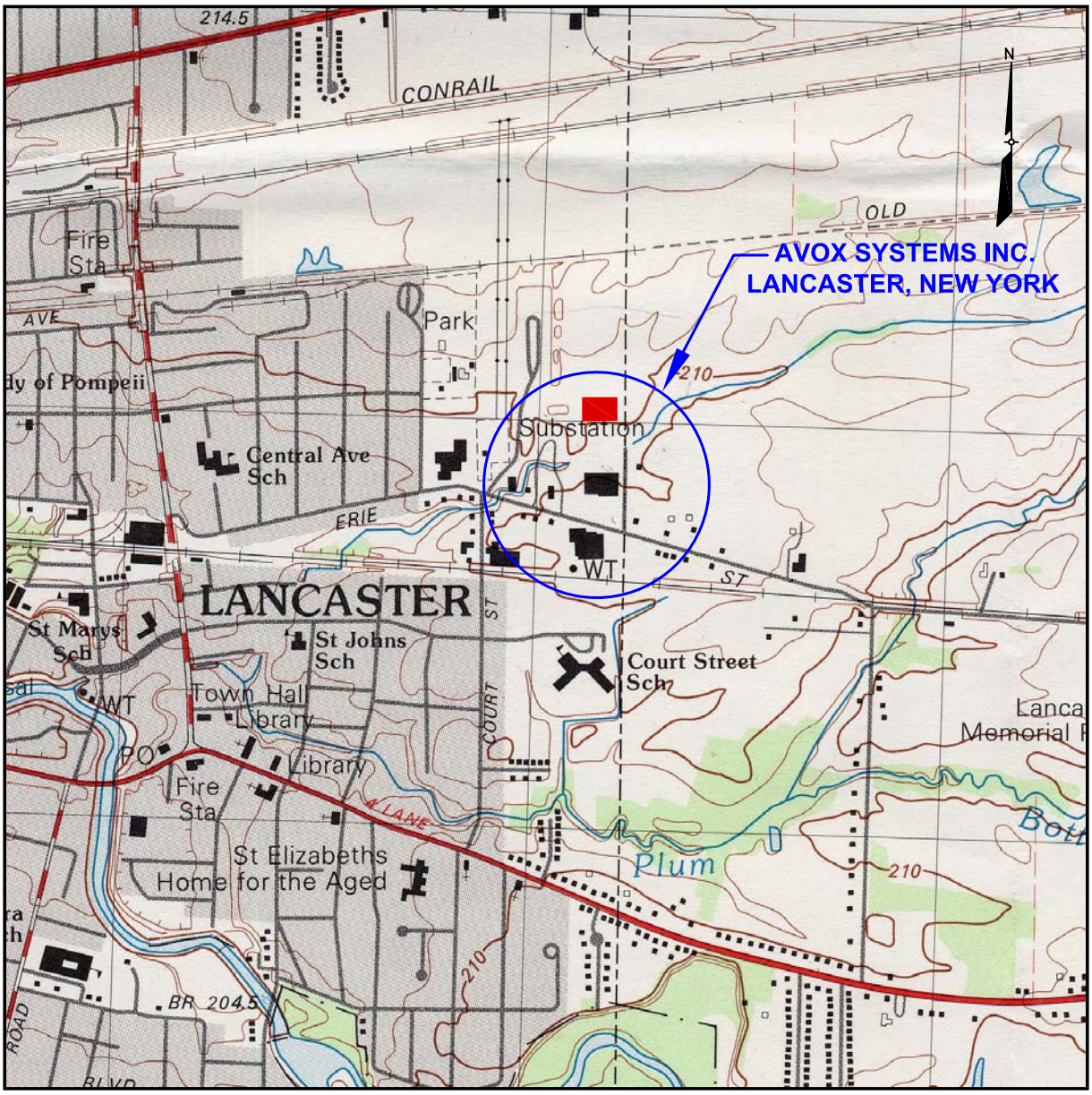
Location	Field Parameters	VOCs (8260B)	TOC (9060)	Iron Ferrous and Ferric (SM 3500 FE D)	Iron Ferric (SM 3500)	Nitrogen Nitrate (MCAWW 353.2)	Nitrogen Nitrate-Nitrate (MCAWW 353.2)	Nitrate (EPA 353.2)	Sulfate Turbidimetric (9038)	Manganese (6010C)	Sulfate (300.0)	Sulfide Total (SM 4500 S2 D)	Alkalinity (MCAWW 310.2)	Iron (200.7 Rev 4.4)	Carbon Dioxide (RSK-175)	COD (MCAWW 410.4)	BOD (SM 5210B)	Phosphorus (SM 4500 P E)	Nitrogen Ammonia (MCAWW 350.1)	Methane Ethane, Ethene (RSK-175)
Monitoring Well and Temporary Piezometer Groundwater Sampling																				
MW-30	✓	✓	✓																	
MW-35S	✓	✓	✓																	
MW-35D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-36S	✓	✓	✓																	
MW-36D	✓	✓	✓																	
MW-37D	✓	✓	✓																	
MW-38D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-39D	✓	✓	✓																	
MW-40D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MW-42S	✓	✓	✓																	
MW-43S	✓	✓	✓																	
MW-44S	✓	✓	✓																	
A1-GP02-S	✓	✓	✓																	
A1-GP06-S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
A1-GP10-S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
A1-GP15-S	✓	✓	✓																	
A1-GP18-S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Storm Sewer Water Sampling																				
CB-1		✓																		
TP-5		✓																		
TP-6		✓																		

Notes:
QA/QC samples will also be collected per QAPP.
Field Parameters include pH, temperature, turbidity, oxidation-reduction potential (ORP), dissolved oxygen (DO), and specific conductivity.
VOC - Volatile Organic Compound
TOC - Total Organic Carbon
COD - Chemical Oxygen Demand
BOD - Biochemical Oxygen Demand

Table 6
Monitoring Well, Piezomenter, and Catch Basin Specifications
Former Scott Aviation Facility Area 1 (BCP Site #C915233)
Lancaster, New York

Monitoring Well ID	Well Location	Coordinates (longitude/latitude)	Well Diameter (inches)	Elevation (above mean sea level)			
				Casing	Surface	Screen Top	Screen Bottom
A1 GP02	Plume	42.9047° N, 78.6593° W	1	689.82	687.3	682.3	672.3
A1 GP03	Plume	42.9046° N, 78.6592° W	1	690.70	688.8	683.8	673.8
A1 GP04	Plume	42.9046° N, 78.6594° W	1	690.46	687.7	682.7	672.7
A1 GP05	Plume	42.9046° N, 78.6593° W	1	690.38	687.6	682.6	672.6
A1 GP06	Plume	42.9047° N, 78.6592° W	1	687.71	687.8	682.8	672.8
A1-GP07	Plume	42.9047° N, 78.6593° W	1	690.47	687.5	682.5	672.5
A1-GP08	Plume	42.9047° N, 78.6594° W	1	689.68	686.5	681.5	671.5
A1-GP09	Downgradient	42.9045° N, 78.6594° W	1	689.36	686.8	681.8	671.8
A1-GP10	Plume	42.9045° N, 78.6591° W	1	689.10	689.2	684.2	674.2
A1-GP12	Plume	42.9047° N, 78.6591° W	1	689.5	689.4	684.4	674.4
A1-GP13	Plume	42.9045° N, 78.6589° W	1	689.69	689.8	684.8	674.8
A1-GP14	Downgradient	42.9049° N, 78.6591° W	1	689.43	689.7	684.7	674.7
A1-GP15	Downgradient	42.9049° N, 78.6595° W	1	687.69	688.0	683.0	673.0
A1-GP16	Downgradient	42.9046° N, 78.6596° W	1	689.86	686.6	681.6	671.6
A1-GP17	Downgradient	42.9045° N, 78.6596° W	1	690.11	687.0	682.0	672.0
A1-GP18	Upgradient	42.9044° N, 78.6592° W	1	690.37	687.5	682.5	672.5
MW 30	Upgradient	42.9045° N, 78.6585° W	2	689.69	689.8	679.8	669.8
MW 35D	Downgradient	42.9050° N, 78.6594° W	2	688.4	688.9	667.9	662.9
MW 35S	Downgradient	42.9050° N, 78.6594° W	2	688.56	689.1	684.1	674.1
MW 36D	Plume	42.9046° N, 78.6595° W	2	689.66	687.1	671.1	666.1
MW 36S	Upgradient	42.9046° N, 78.6595° W	2	689.82	687.1	683.1	672.1
MW 37D	Upgradient	42.9044° N, 78.6593° W	2	690.05	687.6	672.6	667.6
MW 37S	Plume	42.9044° N, 78.6593° W	2	690.1	687.4	682.9	672.9
MW 38D	Plume	42.9047° N, 78.6593° W	2	689.66	687.5	671.5	666.5
MW 39D	Plume	42.9045° N, 78.6593° W	2	689.72	687.4	672.4	667.4
MW 40D	Plume	42.9045° N, 78.6591° W	2	689.19	689.5	671.7	666.7
MW 41B	Bedrock	42.9046° N, 78.6592° W	2	689.78	687.8	663.0	653.0
MW 42S	Plume	42.9045° N, 78.6588° W	2	689.08	689.7	684.7	674.7
MW 43S	Plume	42.9047° N, 78.6590° W	2	689.14	689.6	684.6	674.6
MW 44S	Upgradient	42.9043° N, 78.6588° W	2	688.98	689.4	684.4	674.4
CB-1	Catch Basin	42.9044° N, 78.6600° W	na	na	689.53	na	683.19[(1)]
TP-5	Stormsewer	42.9051° N, 78.6592° W	1	690.53	689.53	685.53	682.53
TP-6	Stormsewer	42.9051° N, 78.6592° W	1	690.25	690.45	686.45	681.45

FIGURES



SOURCE:
1982 U.S. GEOLOGIC SURVEY 7.5 X 15 MINUTE TOPOGRAPHIC QUADRANGLE
LANCASTER, NEW YORK

LEGEND

AVOX PLANT 3 ADDED AFTER PUBLICATION OF LANCASTER, NEW YORK TOPOGRAPHIC QUADRANGLE.

0 1000 2000
SCALE IN FEET

AECOM

FIGURE 1
SITE LOCATION MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

L:\work\60147012\CADD\60147012_063 Site Loc Map.dwg, 2/5/2015 11:06:33 AM, Splawnm

N

LEGEND

- BROWNFIELD CLEANUP BOUNDARY FOR AREA 1
- FENCE
- GATE
- BRUSH LINE
- RAILROAD TRACKS
- STORM SEWER AND FLOW DIRECTION
- CB — CATCH BASIN
- 4-FT SQUARE CONCRETE MONUMENT
- 2005 INTERIM REMEDIAL MEASURE SOIL EXCAVATION AREA

ASPHALT PARKING LOT

ASPHALT PARKING LOT

LOCATION OF NYSDEC SPILL ID 99-75-229

AVOX PLANT 2

QUICK-CUT

ASPHALT PARKING LOT

RESIDENCE

RESIDENTIAL GARAGE

ERIE STREET

BCP SITE

AVOX PLANT 1

CB-1

CB-W

CB-2

CB-3

CB-E

CB-4

BOILER ROOM

FORMER SHED

BLOCK BLDG

DEC ENVIRONMENTAL EASEMENT
±1.25 ACRES TOTAL
TAX ID 104.16-5-8:215 ERIE STREET
(APPROXIMATE BOUNDARY)

DEC ENVIRONMENTAL EASEMENT
±1.25 ACRES TOTAL
TAX ID 104.16-5-9:221 ERIE STREET
(APPROXIMATE BOUNDARY)

(REPUTED OWNER)
ELLEN WILLARD
TAX ID 104.16-5-7
(APPROXIMATE BOUNDARY)

(REPUTED OWNER)
ERIE RAILROAD
TAX ID 104.16-5-1
(APPROXIMATE BOUNDARY)

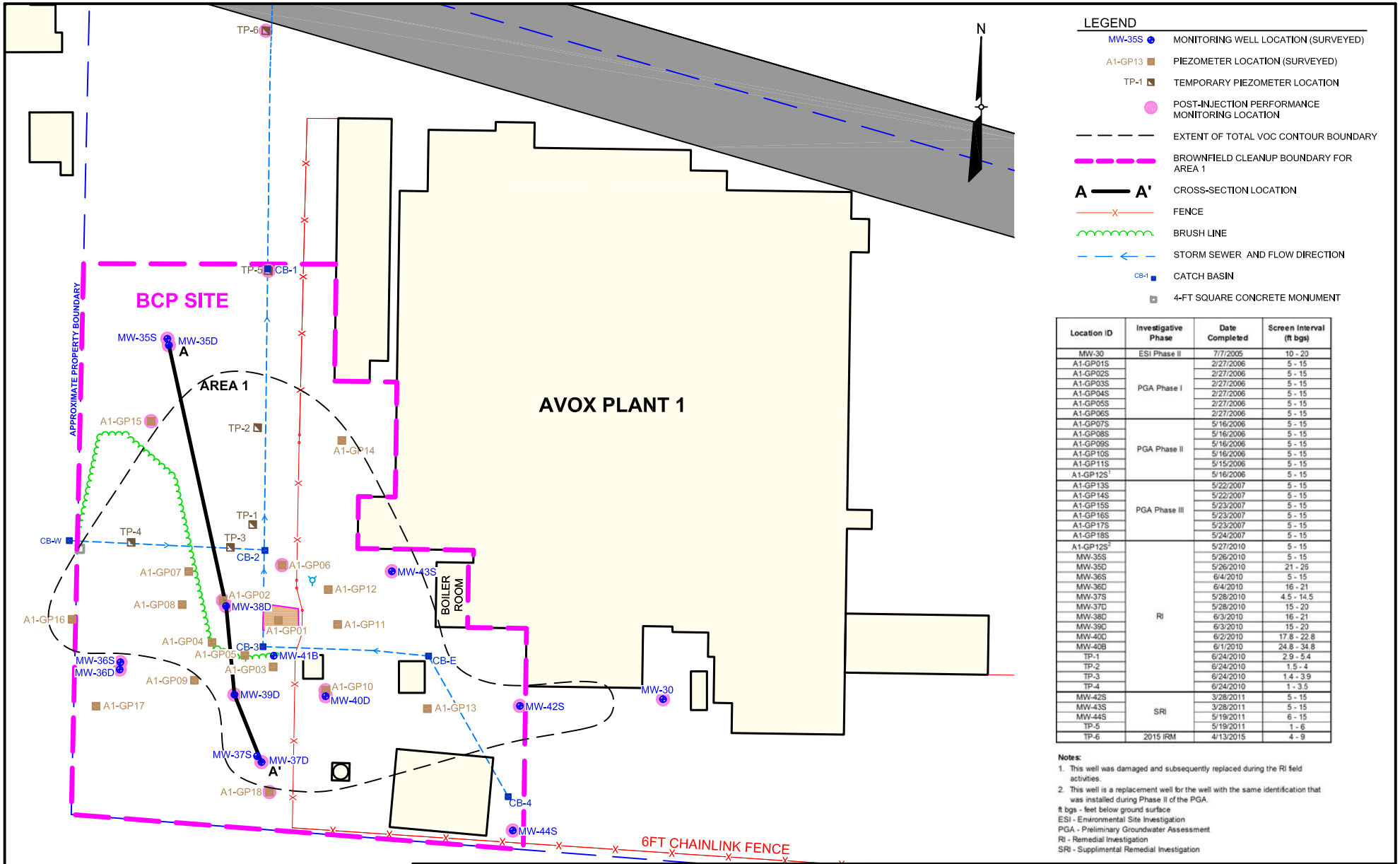
0 50 100 200

SCALE IN FEET

AECOM

FIGURE 2
SITE LAYOUT MAP

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



LEGEND

- MW-35S — MONITORING WELL LOCATION (SURVEYED)
- A1-GP13 — PIEZOMETER LOCATION (SURVEYED)
- TP-1 — TEMPORARY PIEZOMETER LOCATION
- POST-INJECTION PERFORMANCE MONITORING LOCATION
- EXTENT OF TOTAL VOC CONTOUR BOUNDARY
- BROWNFIELD CLEANUP BOUNDARY FOR AREA 1
- A — A' CROSS-SECTION LOCATION
- FENCE
- BRUSH LINE
- STORM SEWER AND FLOW DIRECTION
- CB-1 CATCH BASIN
- 4-FT SQUARE CONCRETE MONUMENT

Location ID	Investigative Phase	Date Completed	Screen Interval (ft bgs)
MW-30	ESI Phase II	7/7/2005	10 - 20
A1-GP01S	PGA Phase I	2/27/2006	5 - 15
A1-GP02S		2/27/2006	5 - 15
A1-GP03S		2/27/2006	5 - 15
A1-GP04S		2/27/2006	5 - 15
A1-GP05S		2/27/2006	5 - 15
A1-GP06S		2/27/2006	5 - 15
A1-GP07S	PGA Phase II	5/16/2006	5 - 15
A1-GP08S		5/16/2006	5 - 15
A1-GP09S		5/16/2006	5 - 15
A1-GP10S		5/16/2006	5 - 15
A1-GP11S		5/15/2006	5 - 15
A1-GP12S[1]		5/16/2006	5 - 15
A1-GP13S	PGA Phase III	5/22/2007	5 - 15
A1-GP14S		5/22/2007	5 - 15
A1-GP15S		5/23/2007	5 - 15
A1-GP16S		5/23/2007	5 - 15
A1-GP17S		5/23/2007	5 - 15
A1-GP18S		5/24/2007	5 - 15
A1-GP12S[2]	RI	5/27/2010	5 - 15
MW-35S		5/26/2010	5 - 15
MW-35D		5/26/2010	21 - 26
MW-36S		6/4/2010	5 - 15
MW-36D		6/4/2010	16 - 21
MW-37S		5/28/2010	4.5 - 14.5
MW-37D		5/28/2010	15 - 20
MW-38D		6/3/2010	16 - 21
MW-39D		6/3/2010	15 - 20
MW-40D		6/2/2010	17.8 - 22.8
MW-40B		6/1/2010	24.8 - 34.8
TP-1		6/24/2010	2.9 - 5.4
TP-2		6/24/2010	1.5 - 4
TP-3		6/24/2010	1.4 - 3.9
TP-4		6/24/2010	1 - 3.5
MW-42S	SRI	3/28/2011	5 - 15
MW-43S		3/28/2011	5 - 15
MW-44S		5/19/2011	6 - 15
TP-5		5/19/2011	1 - 6
TP-6	2015 IRM	4/13/2015	4 - 9

Notes:

1. This well was damaged and subsequently replaced during the RI field activities.
2. This well is a replacement well for the well with the same identification that was installed during Phase II of the PGA.

ft bgs - feet below ground surface
ESI - Environmental Site Investigation
PGA - Preliminary Groundwater Assessment
RI - Remedial Investigation
SRI - Supplimental Remedial Investigation

AECOM

FIGURE 3
MONITORING WELL, PIEZOMETER AND CATCH BASIN LOCATIONS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_126 MW Loc Map.dwg, 12/8/2015 4:42:02 PM, Splawnm

A
NORTH

A'
SOUTH

137.67'

45.88'

37.47'

MW-35D
EL. 688.9'

MW-38D
EL. 687.5'

MW-39D
EL. 687.4'

MW-37D
EL. 687.6'

FILL

SILT

CLAY

SILTY CLAY

SILT AND GRAVEL

0-9" TOPSOIL, brown (moist/dry)
9-22" tan SILT, trace f sand (dry-moist)
9-20" reddish brown CLAY, trace silt, stiff (moist/dry)
0-15" reddish brown CLAY, trace silt, stiff (moist/dry)
0-20" reddish brown SILTY CLAY with 1mm silt layer (moist)
0-7" reddish brown SILTY CLAY, little SILT, (wet)
1-20" reddish brown CLAYEY SILT, thin silt layers interbedded (dry-moist)
0-24" reddish brown SILTY CLAY, mottled slightly (moist)
0-5" reddish brown SILTY CLAY, trace gravel
6-24" dark reddish/purple brown CLAY, trace silty clay, (moist) *color change
0-24" dark purple brown CLAY, (moist)
0-23" dark purple/brown CLAY, trace silty, trace gravel, slightly mottled, (moist)
0-24" dark purple-reddish brown CLAY, some silty layers, trace gravel, (moist)
0-24" purple/reddish brown CLAY trace silt, trace gravel, (moist)
0-24" purple/reddish brown CLAY trace silt, trace gravel, (moist), soft
0-20" reddish brown CLAY, little silty, trace gravel (moist-wet)
0-2" reddish brown CLAYEY SILTY fine silt, little gravel, (moist)
2-6" medium gray f-c SAND, some gravel, trace silt, (moist-wet), shale fragments in shoe

TD = 26'

0-7" brown thick TOPSOIL (moists)
7-7" reddish brown SILT, little organics, trace clay, (moist)
0-22" reddish brown-tan-grey mottled SILT, little clay, trace f-m gravel (dry-moist)
0-24" reddish brown, tan-grey-olive mottled SILT, little clay (moist), wet silt layers 1" @24" (45ppm)
0-10" olive grey SILT (wet) (45ppm)
10-24" reddish brown - olive mottled SILT, trace clay, trace f. gravel (moist) PID - 0-243, 243@7 tops
0-9" reddish brown-olive mottled SILT, little clay (moist) max PID = 45.2ppm
9-10" tan-grey f. sand, trace silt (wet), 110 ppm
10-24" reddish brown - purple SILT, some clay, trace gravel (moist-plastic), PID = 45 to 5ppm @ 24"
0-14" reddish brown-purple CLAY, trace silt, trace f-m gravel (moist) plastic
0-24" reddish brown-purple CLAY, trace silt, trace f-m gravel (moist), 4.5ppm @ 6" in silt layer - 0 in remainder of sample
refusal - rock in shoe - auger to 16"
0-24" reddish brown-purple CLAY, trace silt, trace gravel (moist), 3.4ppm @ 17" in thin silt layer (grey, moist) 0.0ppm in rest of core
0-10" reddish brown purple SILT and CLAY, trace f-m gravel (moist)
10-15" dark grey SILT and rock chips (wet)
0-4" dark grey SILT and granite chips (moist)
refusal

TD = 21'

0-7" dark brown TOPSOIL (moist)
10-12" reddish brown mottled with brown CLAYEY SILT (moist)
0-24" reddish brown SILTY, little clay thin grey silt interbeds increases to bottom (moist)
0-24" reddish brown SILTY CLAY (moist) - more wet @ bottom, (18-20" grey SILT layer (moist wet)) collect samples @ 5-6"
0-8" reddish brown - tan SILT, some clay (wet) 0-1 PID
6-12" reddish brown-tan mottled SILT, some clay, grey silt think interbeds (moist)
0-18" reddish brown CLAY, little silt, trace gravel (moist)
18-24" reddish brown to purple CLAY, some silt (grey interbeds), trace gravel (moist)
0-8" grey SILT (wet)
8-24" reddish brown, slightly purple CLAY, little silt, trace gravel (moist)
0-24" reddish brown to purple CLAY, little trace silt, trace gravel (moist), plastic
0-24" reddish brown - slightly purple CLAY, little grey silt interbeds (moist)
0-20" reddish brown-purple SILT and CLAY, trace grey silt layers (moist)
20-24" grey SILT and f-c GRAVEL, little f.sand (wet-moist)
bouncing spoon - shale

TD = 20'

0-7" TOPSOIL
7-21" tan with reddish brown mottling, SILT, little clay, (moist)
0-19" reddish brown with grey/tan mottling, SILT, little clay, (dry-moist)
0-18" reddish brown with tan mottling, SILT and CLAY, (moist)
0-14" reddish brown with tan mottling SILT and CLAY, (moist)
14-16" tan SILT, trace clay, (wet)
16-21" reddish brown with tan mottling CLAY, some silt, thin grey silt layers, (moist) sample 6-7"
0-24" reddish brown SILT, little clay light grey silt layers interbedded, (dry-moist)
0-24" reddish brown CLAY, little silt, trace f.gravel, (moist)
0-24" purple-reddish brown CLAY, trace silt, trace f.gravel, (moist), very plastic
0-24" purple-reddish brown with grey silef.sand layer, CLAY, trace silt, (moist)
0-24" reddish brown CLAY and SILT, f.sand and silt layers interbedded increasing to bottom - color change to grey to bottom, moist - wetter to bottom
0-22" medium grey CLAY and SILT (very moist), soft, trace f-c sand and gravel
22-24" medium grey f-c sand, trace silt, little rock chips (dry)

TD = 20'

690
688
686
684
682
680
678
676
674
672
670
668
666
664
662

GROUND SURFACE ELEVATION (ft. AMSL)

LEGEND:

- FILL
- SILT
- CLAY
- SILTY CLAY
- SILT AND GRAVEL

TD = TOTAL DEPTH

GROUNDWATER ELEVATION (ft AMSL)

HORIZONTAL SCALE
0 10 20 40
SCALE IN FEET

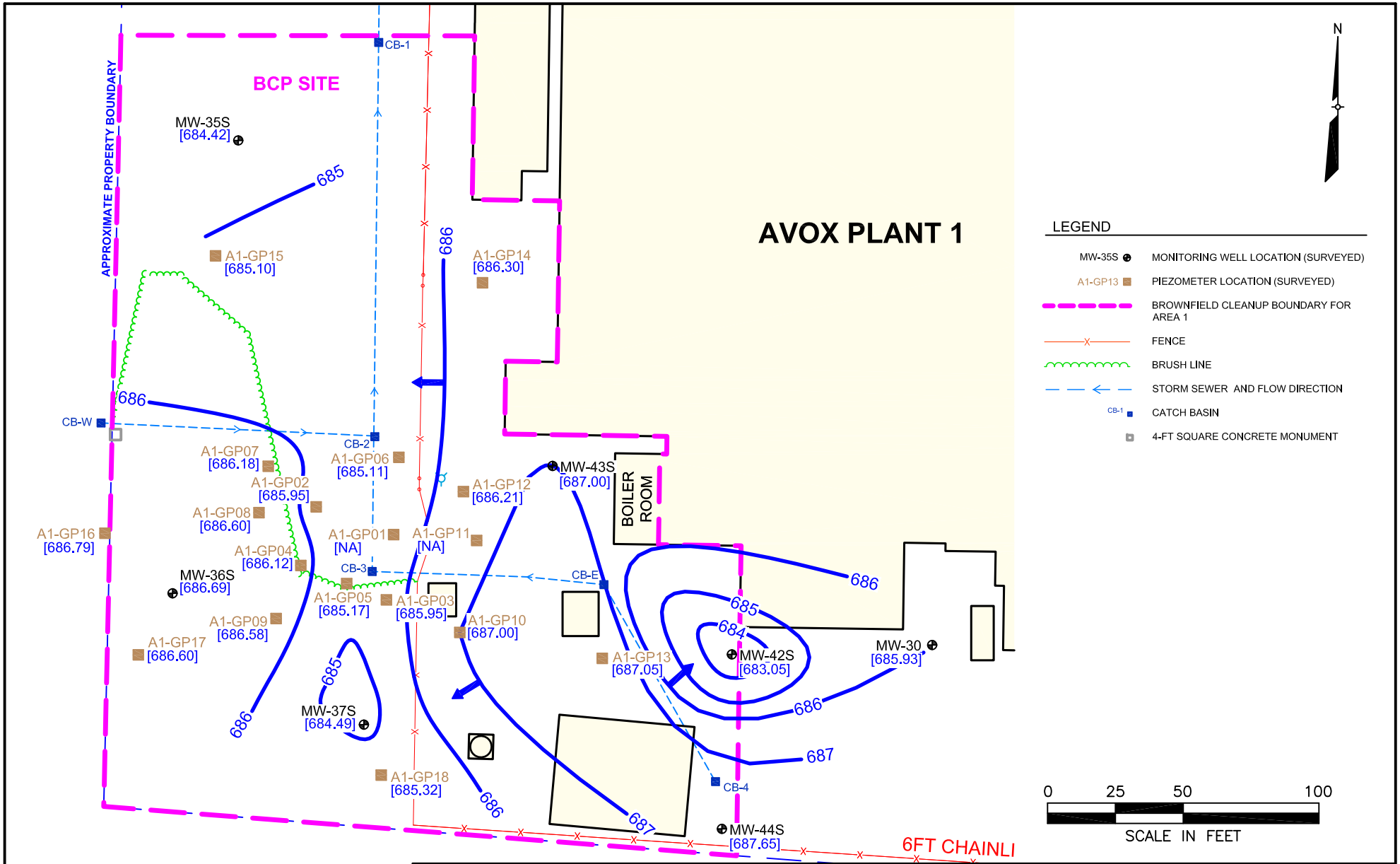
VERTICAL SCALE
2x EXAGGERATION
0 5 10 20
SCALE IN FEET

AECOM
10 Patewood Drive, Building 6, Suite 500
Greenville, SC 29615
T: (864) 234-3000 F: (864) 234-3069
www.aecom.com

FIGURE 4
GEOLOGIC CROSS-SECTION

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60147012_127 Geologic Cross-Section.dwg, 9/21/2015 5:50:15 PM, Splawnm

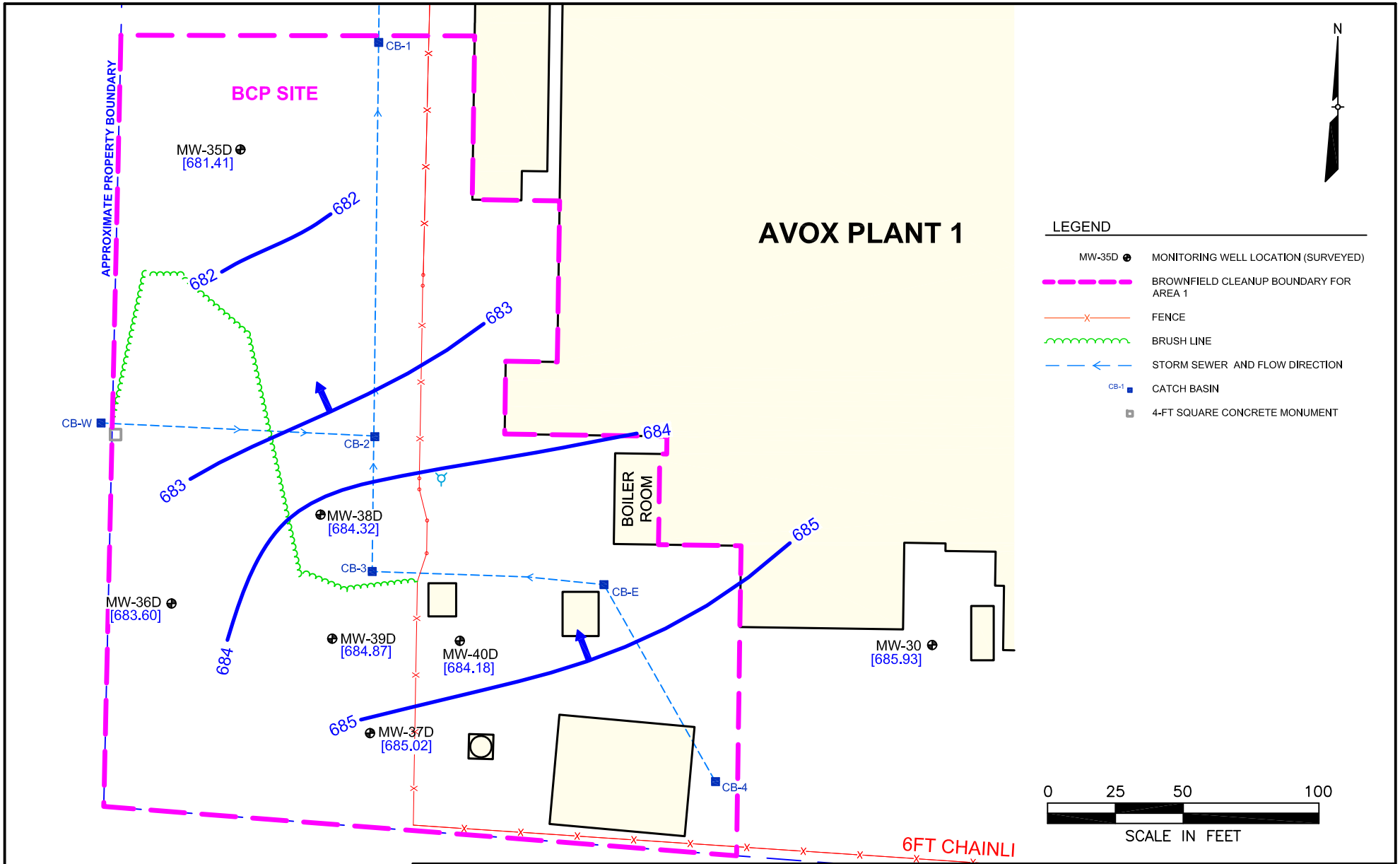


AECOM

FIGURE 5
SHALLOW OVERBURDEN GROUNDWATER SURFACE ELEVATION CONTOURS JULY 22, 2015

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_127 Shallow Overburden GW Surface Conts_July2015.dwg, 12/8/2015 4:43:38 PM, Splawnm

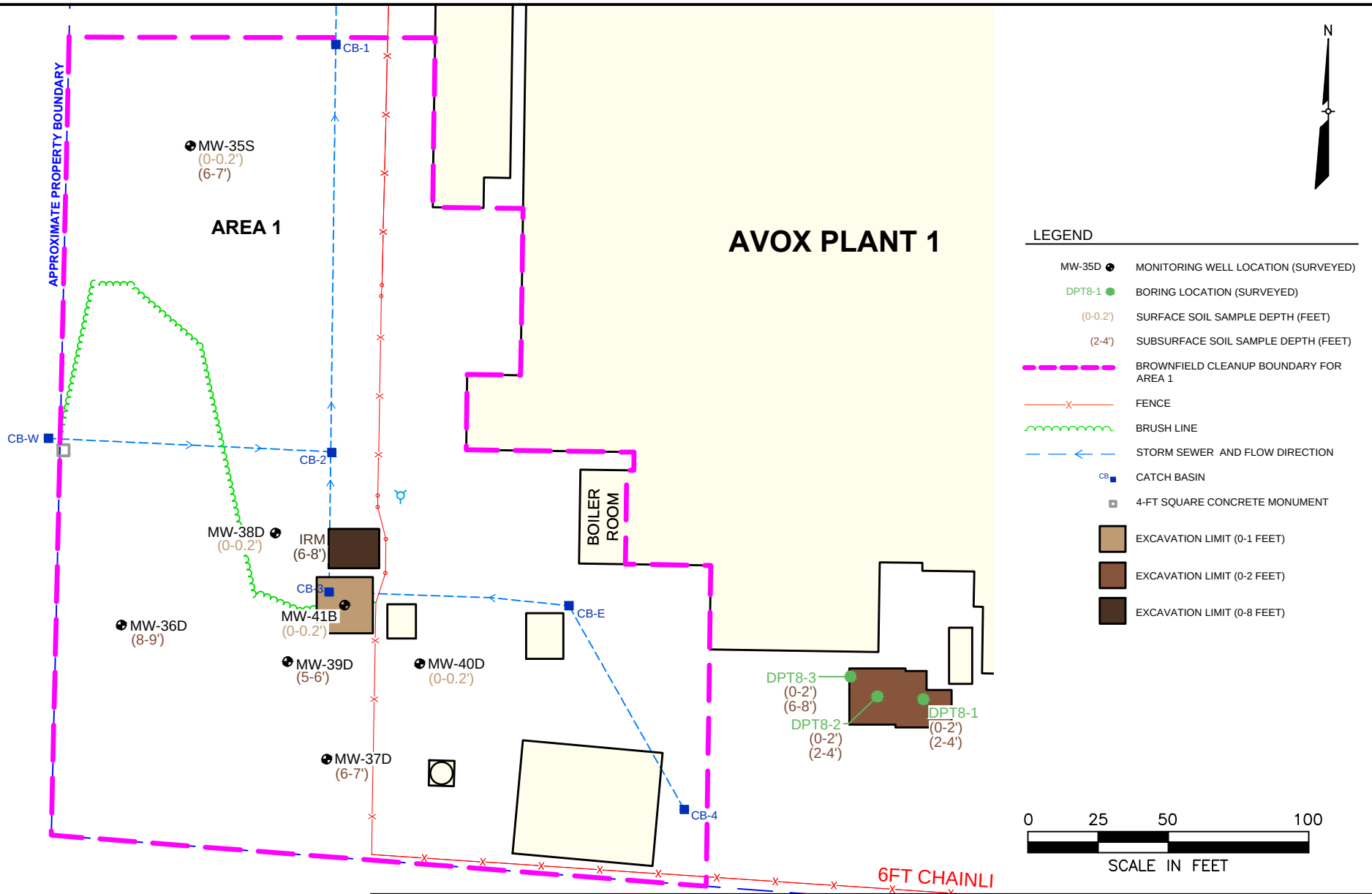


AECOM

FIGURE 6
DEEP OVERBURDEN GROUNDWATER SURFACE ELEVATION CONTOURS JULY 22, 2015

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_128 Deep Overburden GW Surface Conts_July2015.dwg, 12/8/2015 3:55:09 PM, Splawnm

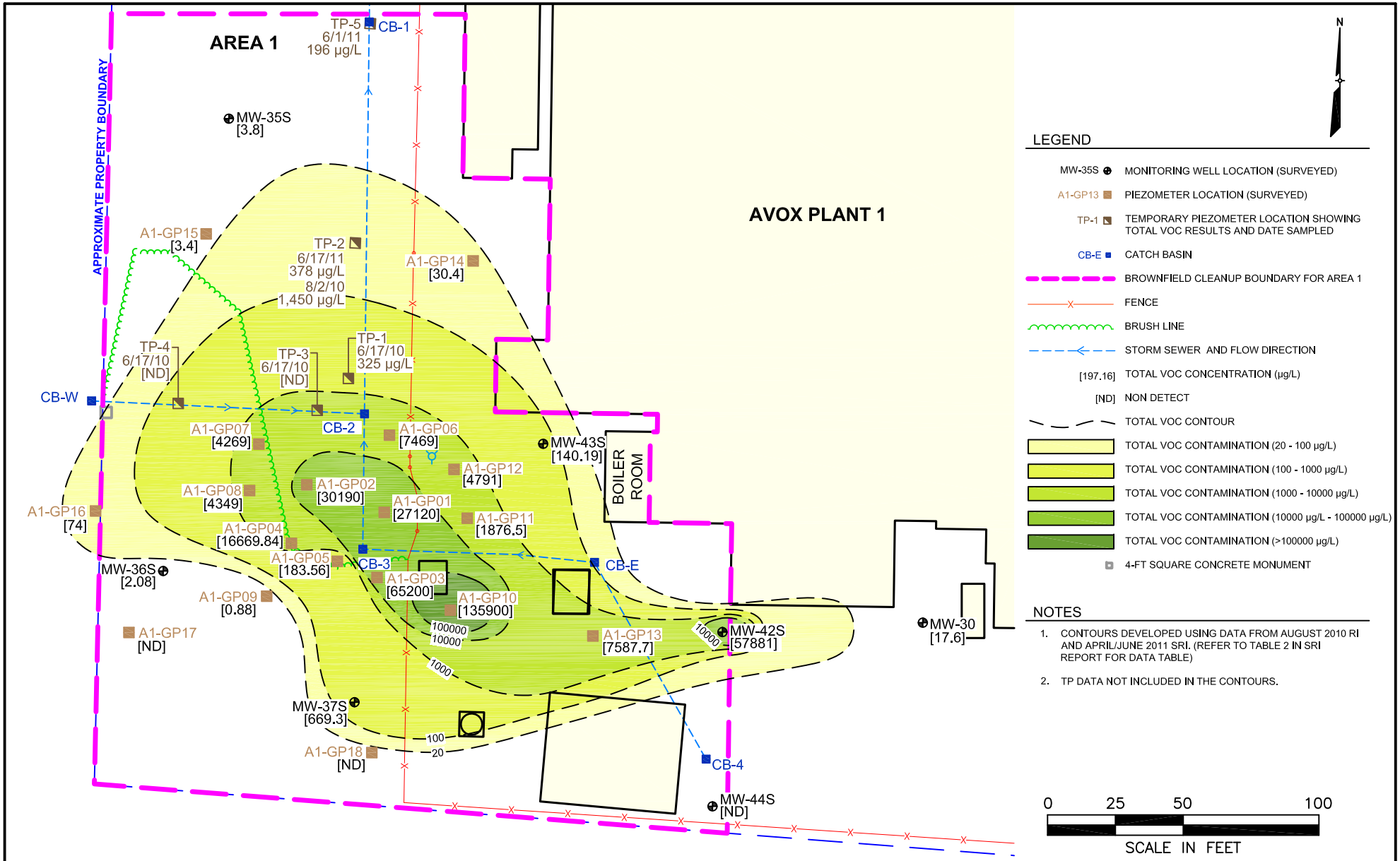


AECOM

FIGURE 7
SURFACE AND SUBSURFACE SOIL RI SAMPLE LOCATION AND EXCAVATION LIMITS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_129 Surface and Subsurface Soil RI Sam Loc and Excavation Limits.dwg, 12/8/2015 4:00:25 PM, Splawnm

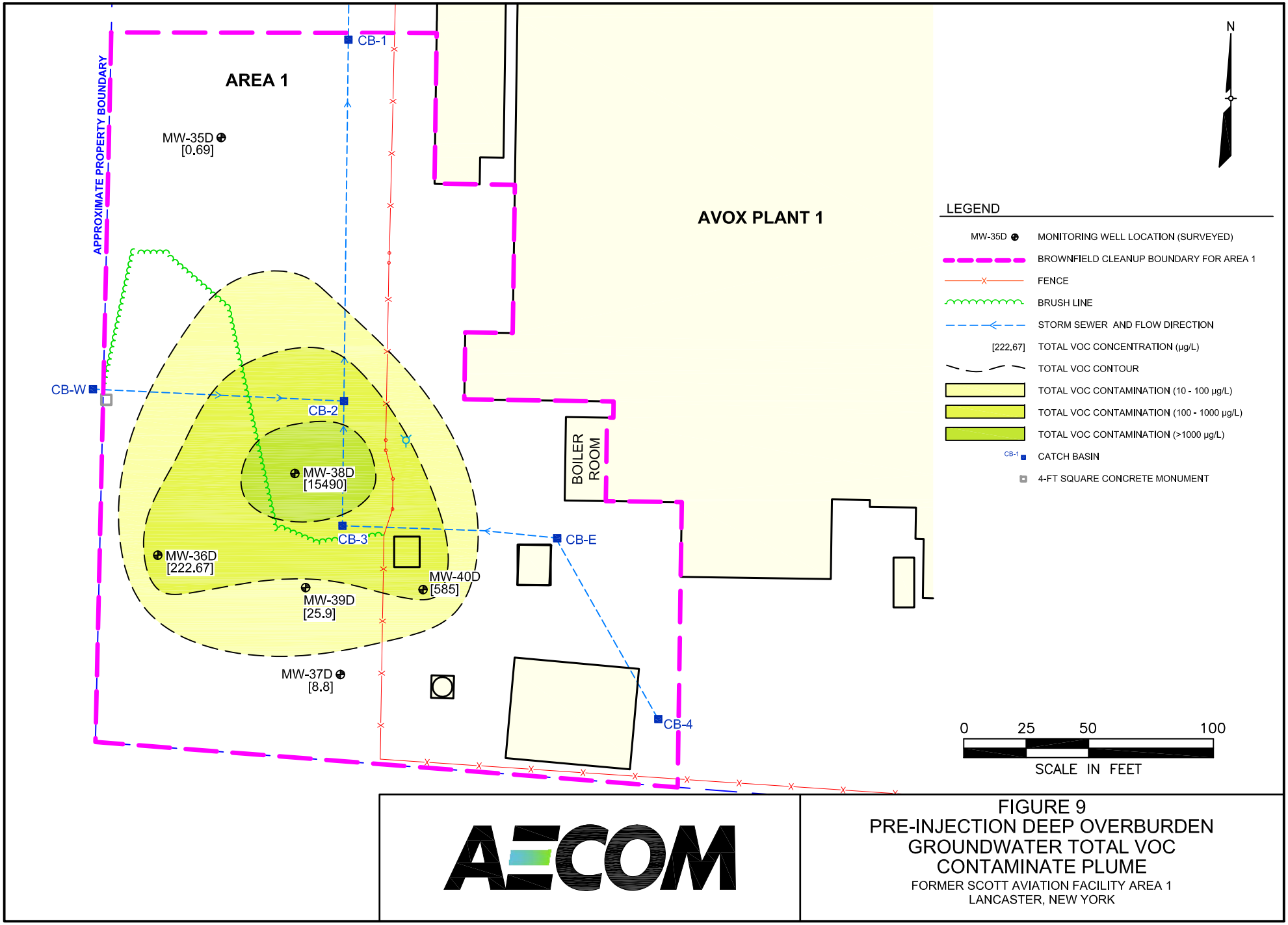


AECOM

FIGURE 8
PRE-INJECTION SHALLOW OVERBURDEN GROUNDWATER TOTAL VOC CONTAMINATE PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

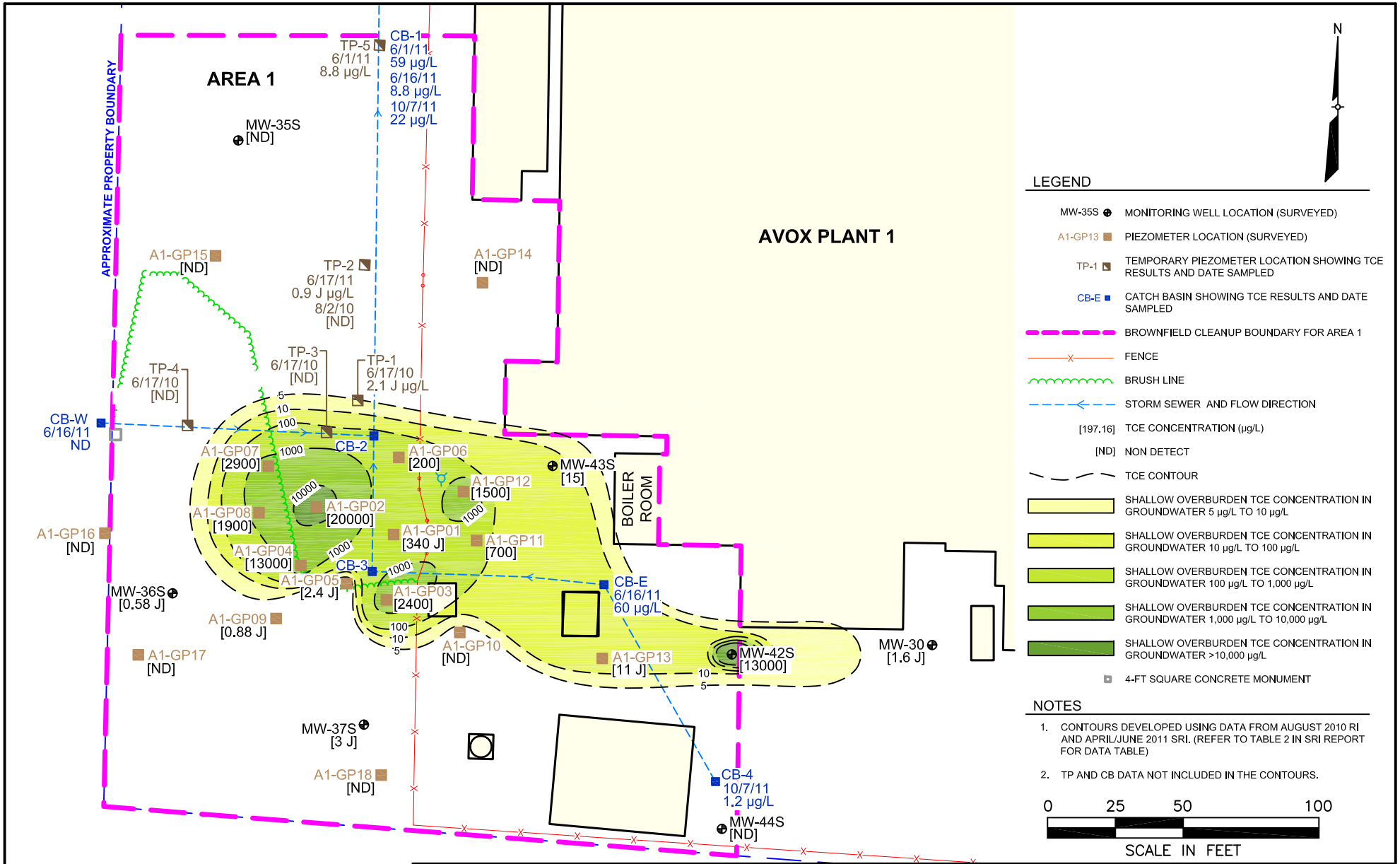
L:\work\60147012\CADD\60155991_130 Total VOC Contaminant Plume_Aug2010.dwg, 12/8/2015 4:02:27 PM, Splawnm



AECOM

FIGURE 9
PRE-INJECTION DEEP OVERBURDEN GROUNDWATER TOTAL VOC CONTAMINATE PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

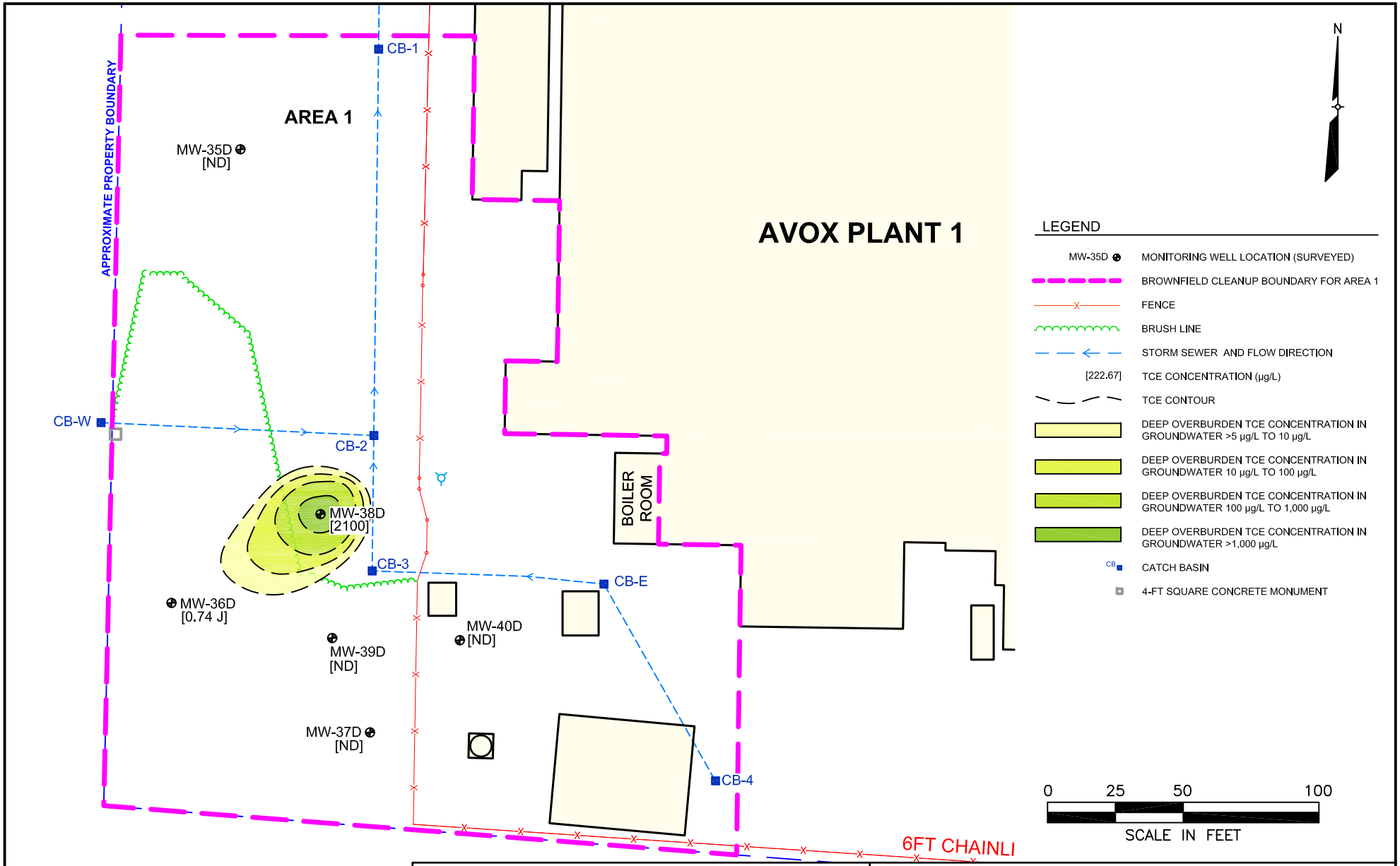


AECOM

FIGURE 10
PRE-INJECTION SHALLOW OVERBURDEN GROUNDWATER TCE CONTAMINATE PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_131 TCE Contaminant Plume_Aug2010.dwg, 12/8/2015 4:04:11 PM, Splawnm

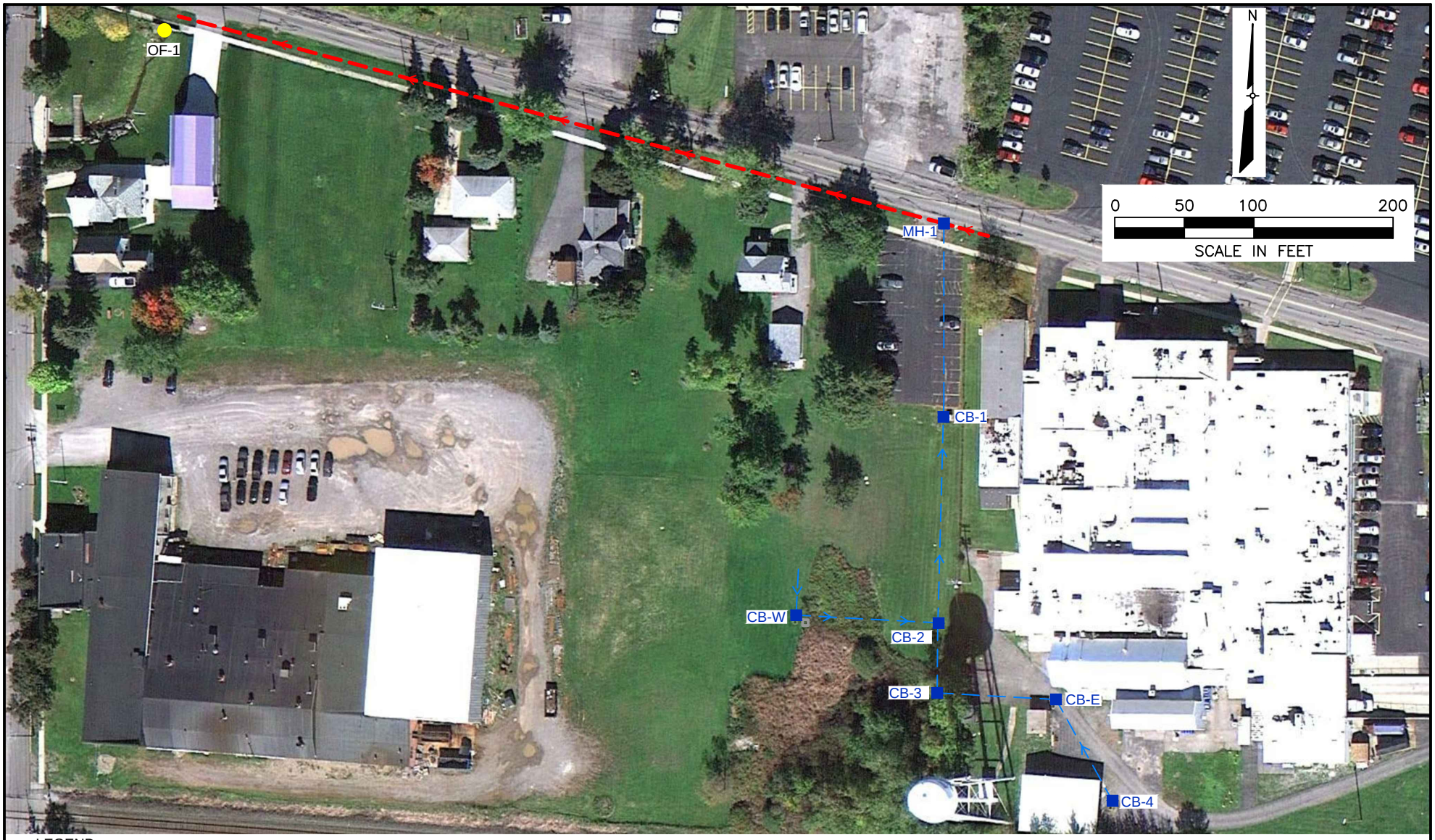


AECOM

FIGURE 11
PRE-INJECTION DEEP OVERBURDEN GROUNDWATER TCE CONTAMINATE PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_140 Pre-Injection Deep Overburden GW TCE Plume.dwg, 12/9/2015 11:19:31 AM, Splawnm



LEGEND

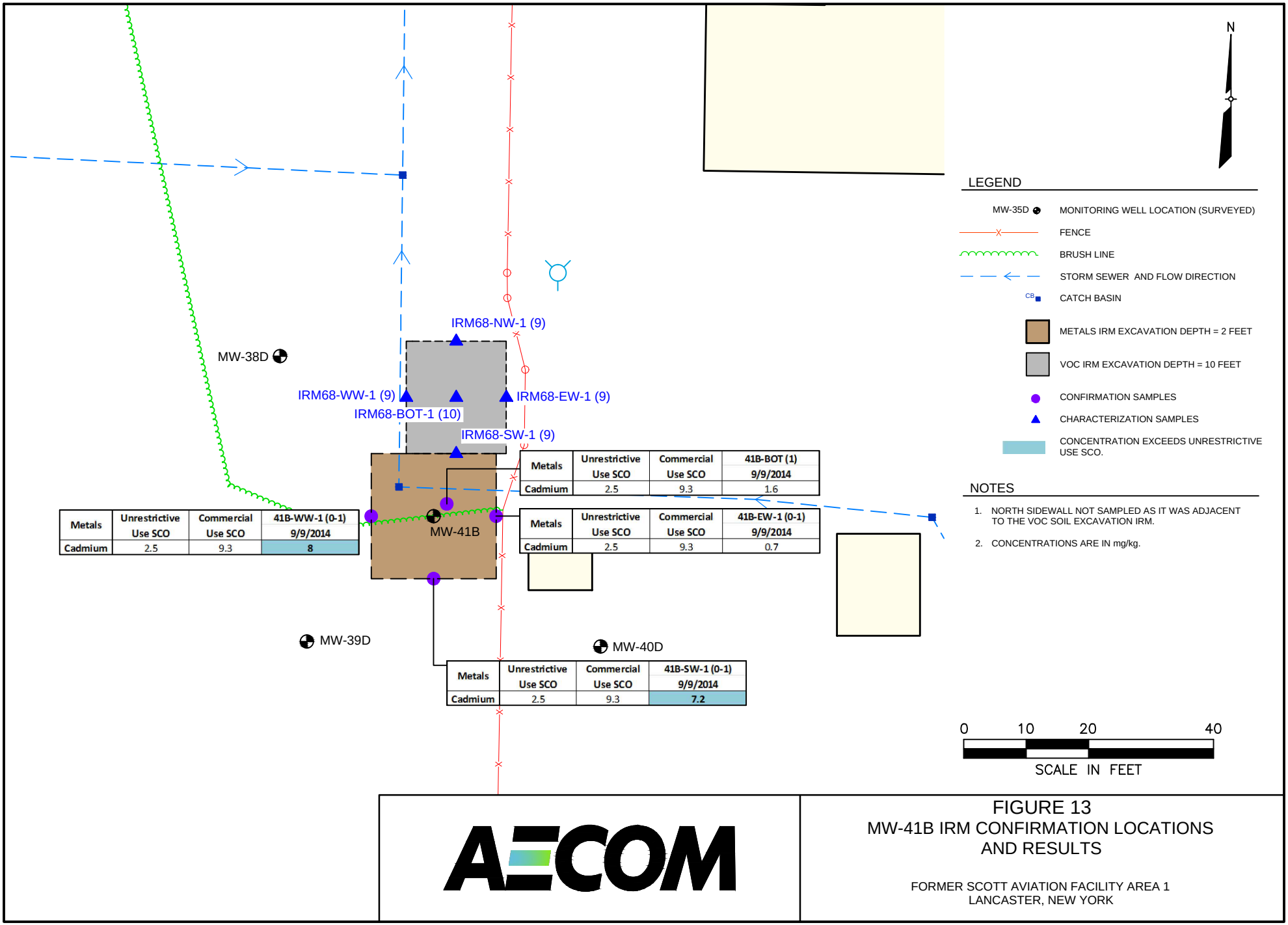
- CB-E ■ CATCH BASIN
- OF-1 ● OUTFALL
- STORM SEWER AND FLOW DIRECTION
- ESTIMATED STORM SEWER LOCATION

AECOM

FIGURE 12
LOCATION OF STORM SEWER SYSTEM

FORMER SCOTT AVIATION FACILITY BCP SITE
LANCASTER, NEW YORK

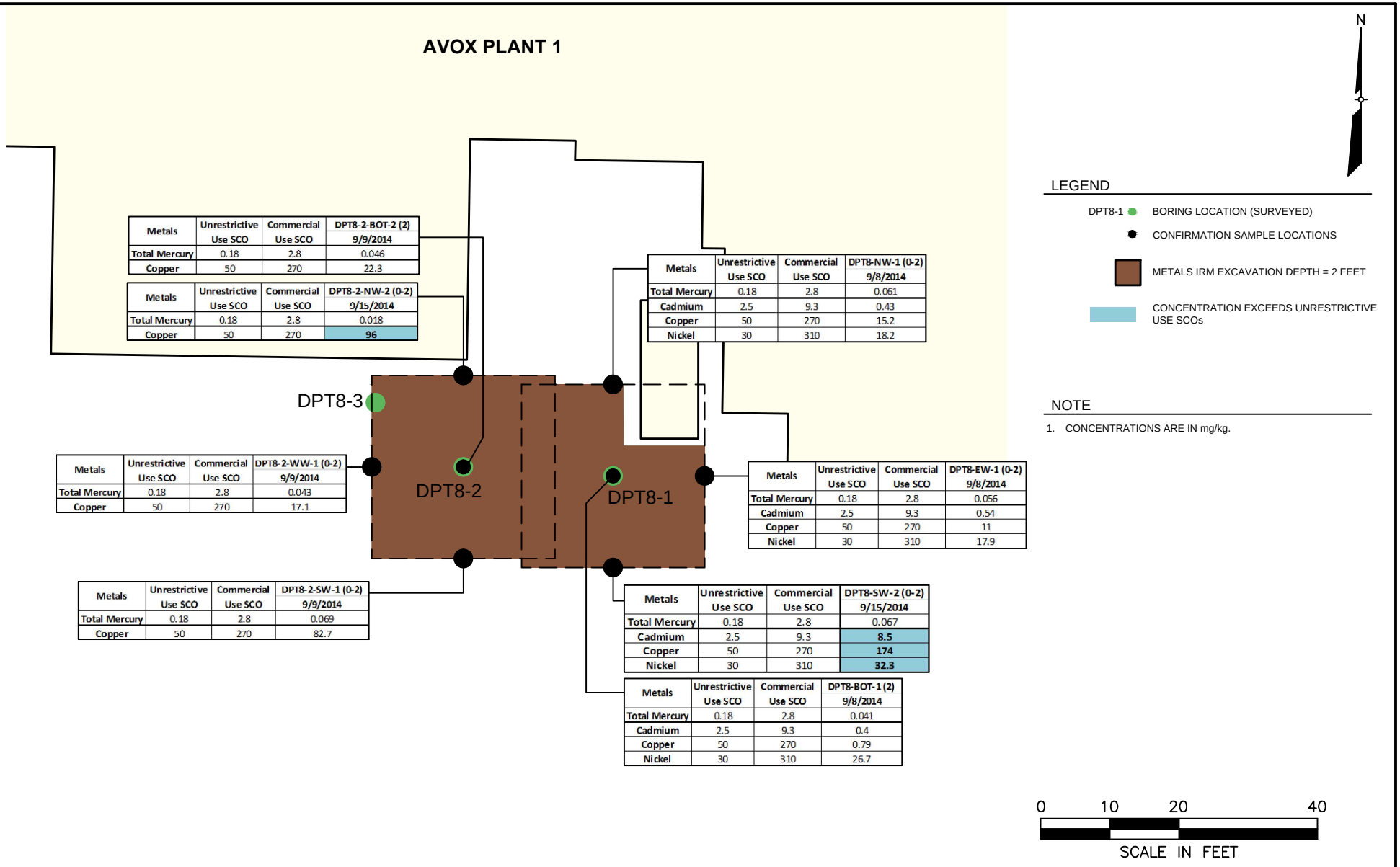
L:\work\60147012\CADD\60147012_133 Location of Storm Sewer System.dwg, 9/21/2015 5:55:18 PM, Splawnm



AECOM

FIGURE 13
MW-41B IRM CONFIRMATION LOCATIONS AND RESULTS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-2-BOT-2 (2) 9/9/2014
Total Mercury	0.18	2.8	0.046
Copper	50	270	22.3

Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-2-NW-2 (0-2) 9/15/2014
Total Mercury	0.18	2.8	0.018
Copper	50	270	**96**

Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-NW-1 (0-2) 9/8/2014
Total Mercury	0.18	2.8	0.061
Cadmium	2.5	9.3	0.43
Copper	50	270	15.2
Nickel	30	310	18.2

Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-2-WW-1 (0-2) 9/9/2014
Total Mercury	0.18	2.8	0.043
Copper	50	270	17.1

Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-EW-1 (0-2) 9/8/2014
Total Mercury	0.18	2.8	0.056
Cadmium	2.5	9.3	0.54
Copper	50	270	11
Nickel	30	310	17.9

Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-2-SW-1 (0-2) 9/9/2014
Total Mercury	0.18	2.8	0.069
Copper	50	270	82.7

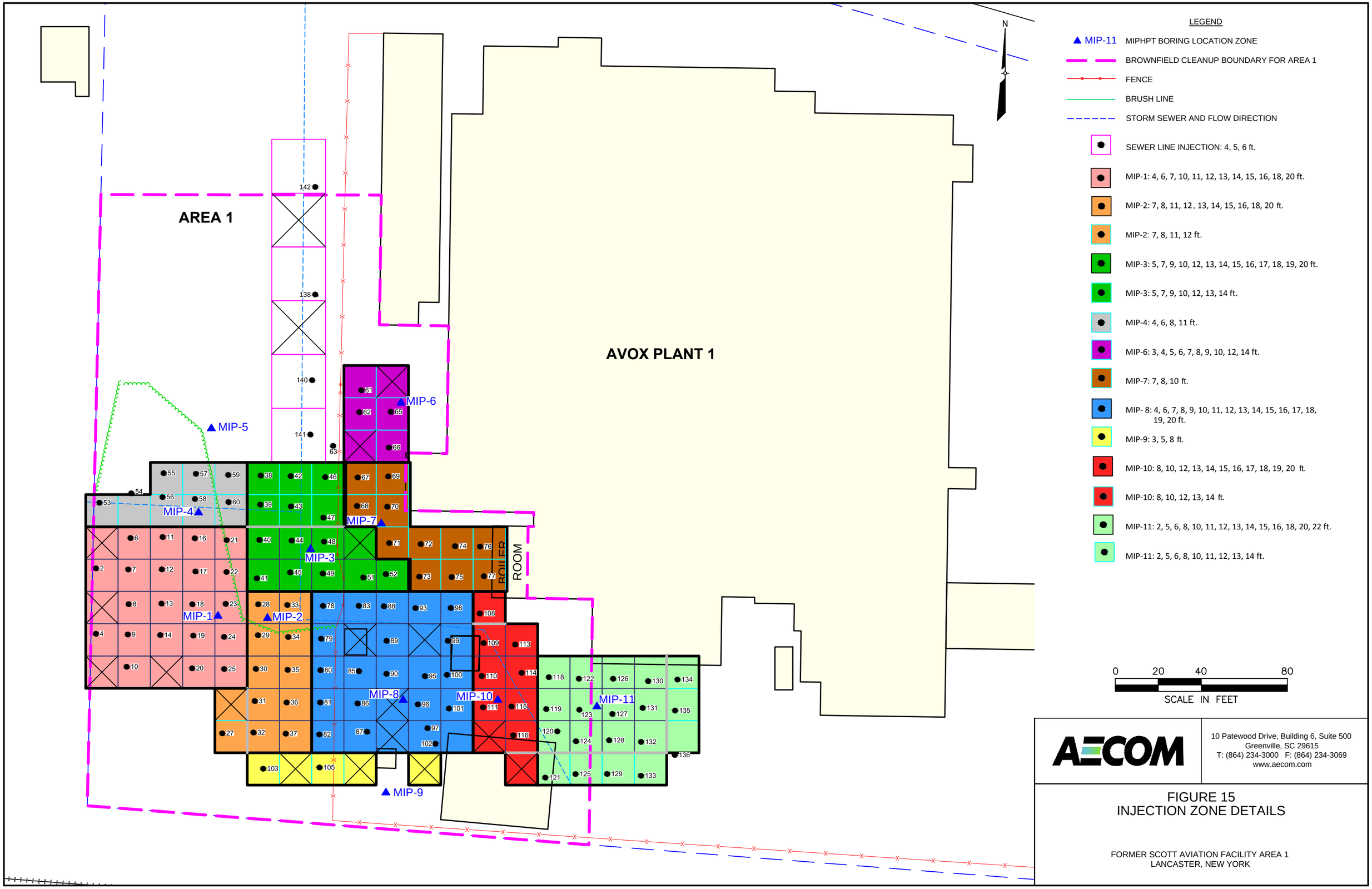
Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-SW-2 (0-2) 9/15/2014
Total Mercury	0.18	2.8	0.067
Cadmium	2.5	9.3	**8.5**
Copper	50	270	**174**
Nickel	30	310	**32.3**

Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-BOT-1 (2) 9/8/2014
Total Mercury	0.18	2.8	0.041
Cadmium	2.5	9.3	0.4
Copper	50	270	0.79
Nickel	30	310	26.7

AECOM

FIGURE 14
DPT-8 IRM CONFIRMATION LOCATIONS AND RESULTS

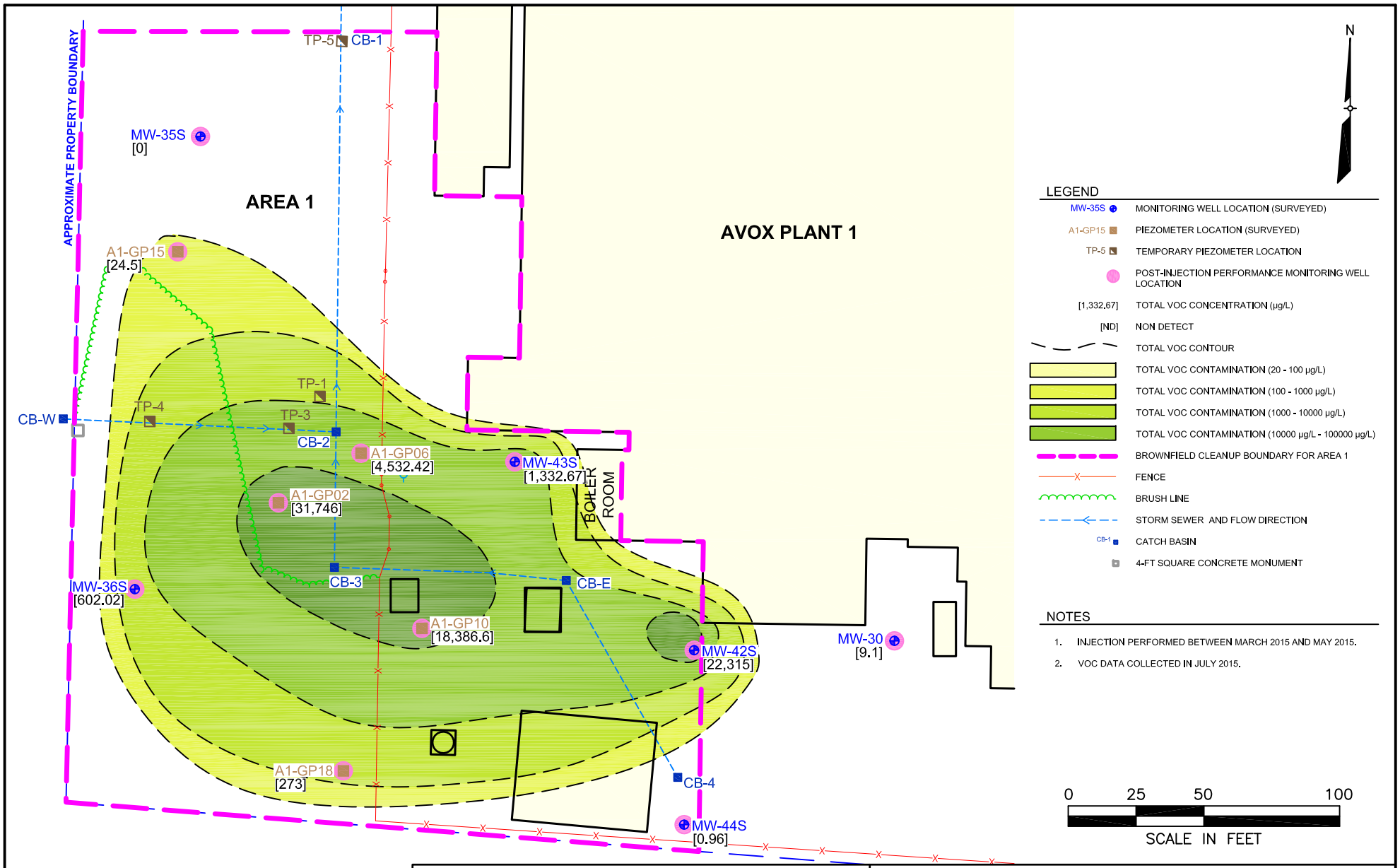
FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



AECOM
10 Patewood Drive, Building 6, Suite 500
Greenville, SC 29615
T: (864) 234-3000 F: (864) 234-3069
www.aecom.com

FIGURE 15
INJECTION ZONE DETAILS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

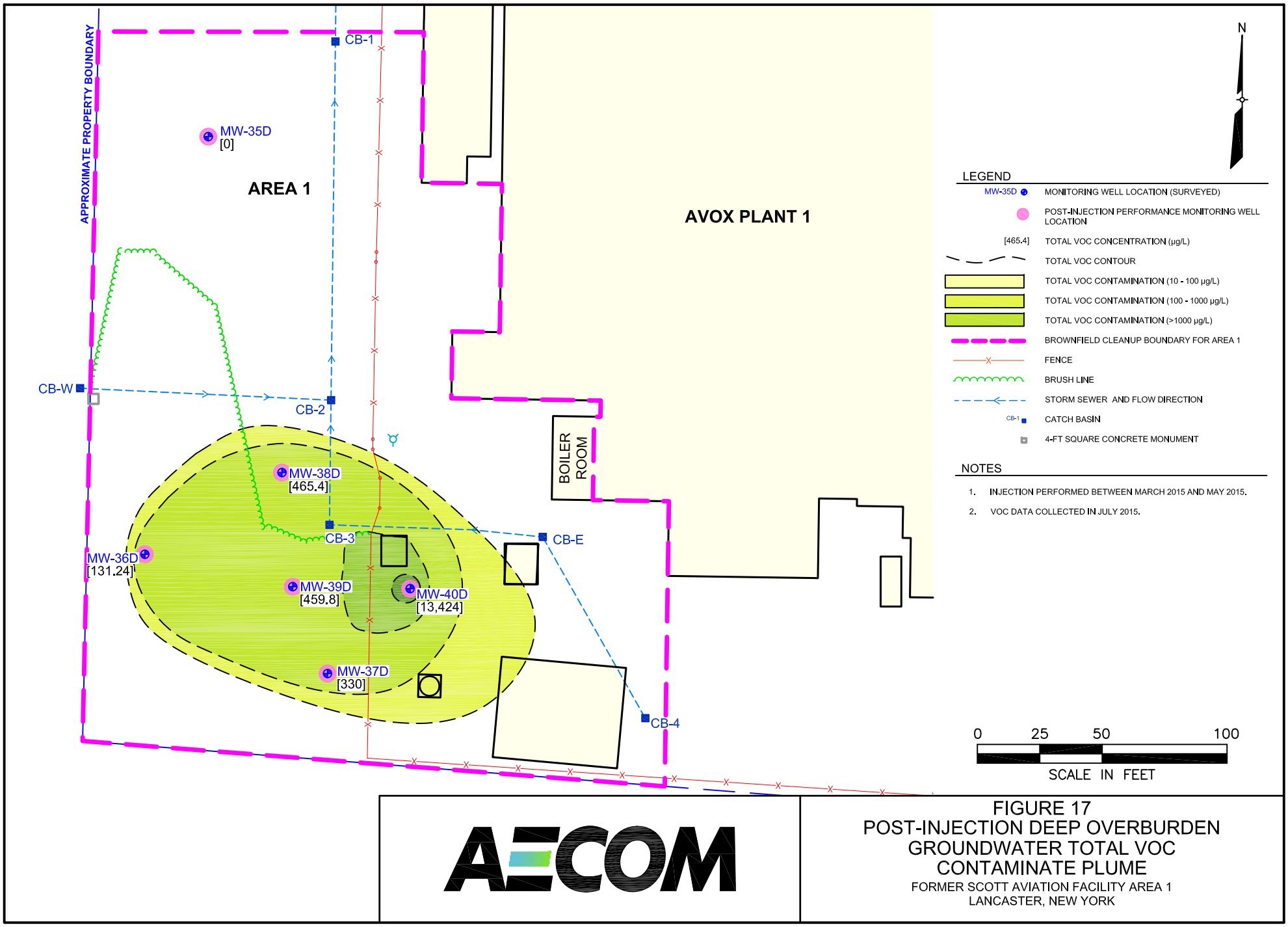


AECOM

FIGURE 16
POST-INJECTION SHALLOW OVERBURDEN GROUNDWATER TOTAL VOC CONTAMINATE PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_136 Total VOC Cont based on Shallow Overburden Post-Inj GW Data.dwg, 12/8/2015 4:29:58 PM, Splawnm

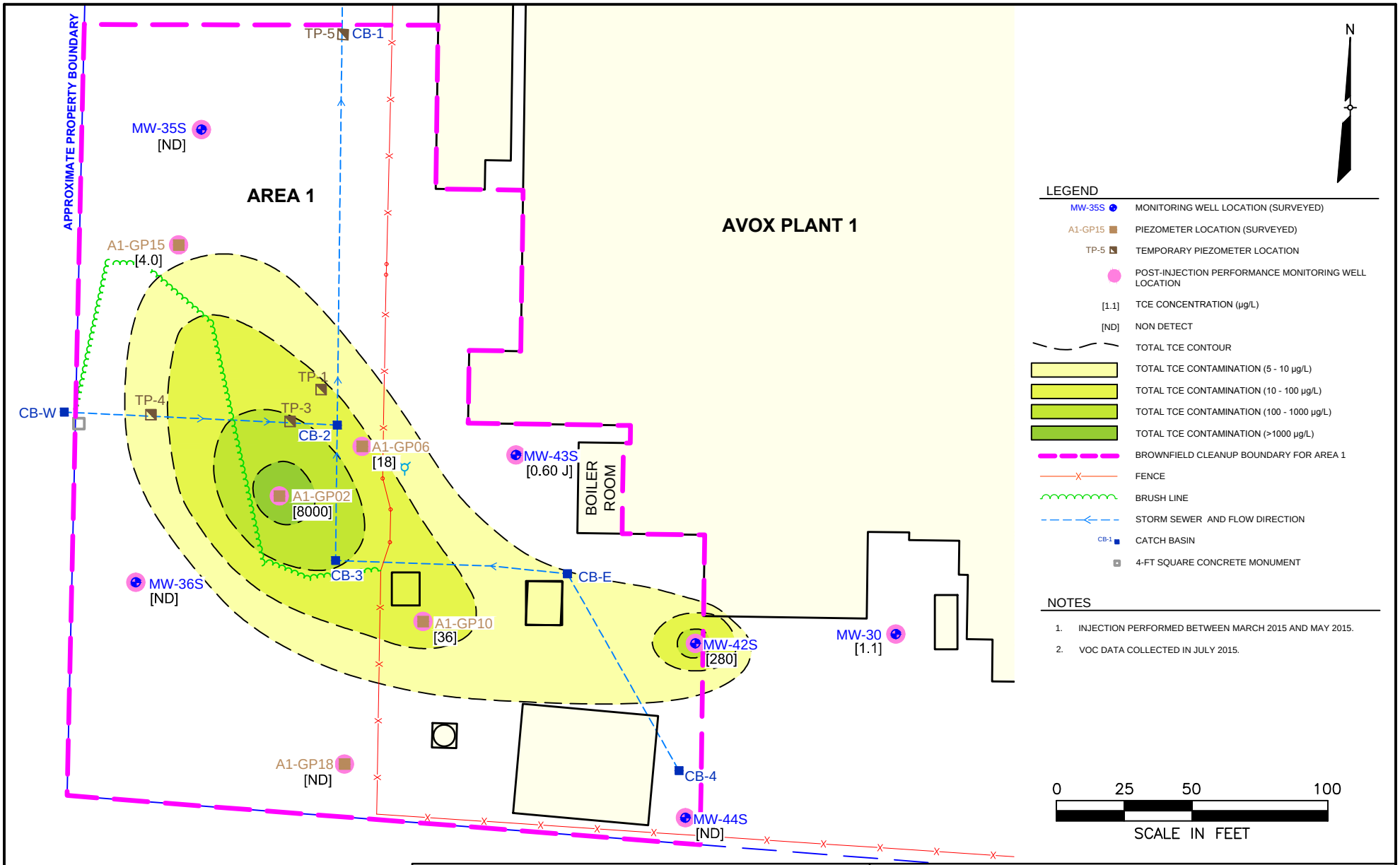


AECOM

FIGURE 17
POST-INJECTION DEEP OVERBURDEN GROUNDWATER TOTAL VOC CONTAMINATE PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_137 Total VOC Contaminate Plume based on Deep Overburden Post-Inj GW data.dwg, 12/8/2015 4:25:06 PM, Splawnm

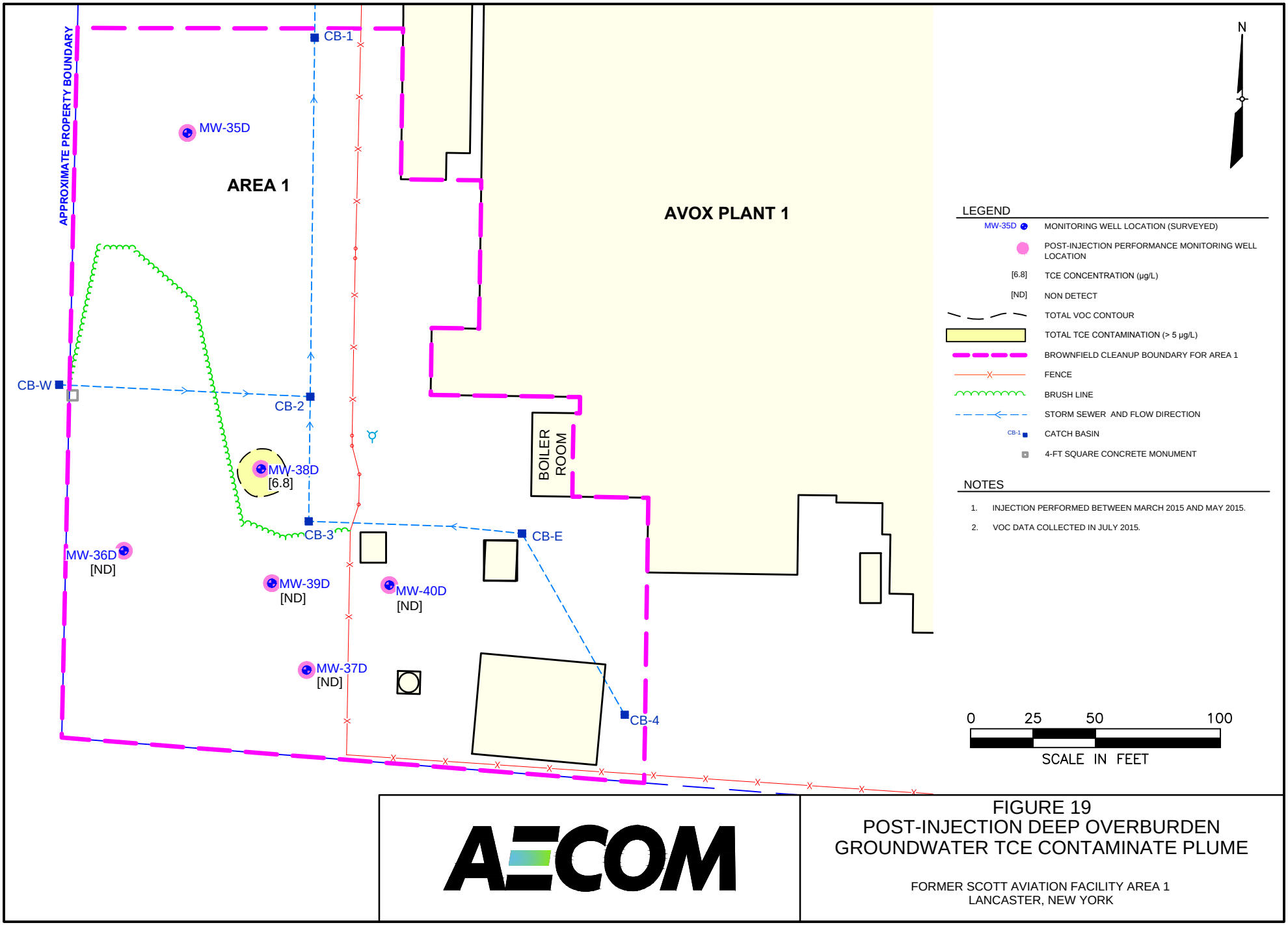


AECOM

FIGURE 18
POST-INJECTION SHALLOW OVERBURDEN GROUNDWATER TCE CONTAMINATE PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_138 TCE Contaminate Plume based on Shallow Overburden Post-Inj GW data.dwg, 12/8/2015 4:27:59 PM, Splawnm



AECOM

FIGURE 19
POST-INJECTION DEEP OVERBURDEN GROUNDWATER TCE CONTAMINATE PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_139 TCE Contaminate based on Deep Overburden Post-Inj GW data.dwg, 12/8/2015 4:29:11 PM, Splawnm

APPENDIX A – ENVIRONMENTAL/NOTICE/DEED RESTRICTION

Young / Sommer LLC

YOUNG SOMMER WARD RITZENBERG BAKER & MOORE LLC

JEFFREY S. BAKER
DAVID C. BRENNAN
JOSEPH F. CASTIGLIONE
MICHAEL J. MOORE
JAMES A. MUSCATO II
J. MICHAEL NAUGHTON
ROBERT A. PANASCI
KENNETH S. RITZENBERG
DEAN S. SOMMER
KEVIN M. YOUNG

LAURA K. BOMYEA
E. HYDE CLARKE
LAUREN L. HUNT
ALLYSON M. PHILLIPS
KRISTIN LAVIOLETTE PRATT
JESSICA R. VIGARS

COUNSELORS AT LAW

EXECUTIVE WOODS, FIVE PALISADES DRIVE, ALBANY, NY 12205
Phone: 518-438-9907 • Fax: 518-438-9914

www.youngsommer.com

SENIOR COUNSEL
DOUGLAS H. WARD

OF COUNSEL
SUE H.R. ADLER
ELIZABETH M. MORSS
SCOTT P. OLSON
STEPHEN C. PRUDENTE
KRISTIN CARTER ROWE

PARALEGALS
ALLYSSA T. MOODY
AMY S. YOUNG

Writer's Telephone Extension: 253
amoody@youngsommer.com

November 16, 2015

VIA FEDEX
Erie County Clerk
Old County Hall
92 Franklin Street, 1st Floor
Buffalo, New York 14202

RE: New York State Dept. of Environmental Conservation Environmental Easement
CROSS REFERENCE: Book 11272 Page 5892, dated 07/11/14, recorded 12/01/14
Easement Location: 215 and 221 Erie Street, Village of Lancaster, County of Erie
Tax Map Nos. 104.16-5-8 and 104.16-5-9

Dear Sir/Madam:

Enclosed please find for recording an original Environmental Easement between the New York State Department of Environmental Conservation and Avox Systems, Inc., as well as an original TP-584 form. Also enclosed is a check in the amount of $115.50 to cover the associated filing fees:

Statutory Recording Fee (including cover page)	$ 50.00
Per written side of page 11 pages at $5.00 per page	$ 55.00
Form TP-584 (NYS Transfer Tax form)	$ 10.00
Cross-reference	$ 0.50
TOTAL	**$115.50**

Kindly record the enclosed easement and return in the envelope provided.

Should anything more be required or you have any questions, please contact me at (518) 438-9907 ext 253.

Thank you for your attention to this matter.

Very truly yours,

Allyssa T. Moody
Paralegal

Enclosures
cc via email: Bradford Burns, Esq., NYSDEC
Jennifer Davide, Facility Manager, Avox Systems
Daniel Edmundson, Esq., Counsel, Avox Systems
Hollister Hill, Esq., Troutman Sanders LLP
Joseph Janeczek, Tyco
Robert Panasci, Esq., Young/Sommer LLC
Stuart Rixman , Tyco
Matthew Tanzer, Tyco
Kevin Young, Esq., Young/Sommer LLC
Dino Zack, P.G., Aecom

ERIE COUNTY CLERK'S OFFICE

County Clerk's Recording Page

Return to:
A MOODY
YOUNG SOMMER LLC
5 PALISADES DR
ALBANY, NY 12205

Party 1:
AVOX SYSTEMS INC

Party 2:
NEW YORK STATE DEPT OF
ENVIRONMENTAL CONSERVATION COM

Book Type: D Book: 11288 Page: 3551
Page Count: 12
Doc Type: EASEMENT/RTWY
Rec Date: 11/19/2015
Rec Time: 02:59:33 PM
Control #: 2015239086
UserID: Kathy
Trans #: 15189533
Document Sequence Number
TT2015008540

Consideration Amount: 1.00

Recording Fees:

RECORDING	$80.00
COE CO $1 RET	$1.00
COE STATE $14.25 GEN	$14.25
COE STATE $4.75 RM	$4.75
TP584	$10.00
MARKOFF FEE	$0.50

BASIC MT	$0.00
SONYMA MT	$0.00
ADDL MT/NFTA	$0.00
SP MT/M-RAIL	$0.00
NY STATE TT	$0.00
ROAD FUND TT	$0.00

Total: $110.50

STATE OF NEW YORK
ERIE COUNTY CLERK'S OFFICE

WARNING – THIS SHEET CONSTITUTES THE CLERK'S ENDORSEMENT REQUIRED BY SECTION 319&316-a (5) OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH. THIS IS NOT A BILL.

Christopher L. Jacobs
County Clerk

ENVIRONMENTAL EASEMENT

AVOX SYSTEMS, INC.,

TO

THE PEOPLE OF THE STATE OF NEW YORK.

RECORD & RETURN TO:

Robert A. Panasci, Esq.
Young/Sommer, LLC
Executive Woods
Five Palisades Drive, Suite 300
Albany, New York 12205

E

CROSS REFERENCE: Book 11272 Page 5892, dated 07/11/14, recorded 12/01/14

785-11
239086

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 6th day of NOVEMBER, 2015, between Owner(s) Avox Systems, Inc., having an office at 225 Erie Street, Lancaster, NY 14086, County of Erie, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 215 and 221 Erie Street in the Village of Lancaster, County of Erie and State of New York, known and designated on the tax map of the County Clerk of Erie as tax map parcel numbers: Section 104.16 Block 5 Lots 8 and 9, being the same as a portion of the property conveyed to Grantor by deed dated July 11, 2014 and recorded in the Erie County Clerk's Office in Liber and Page 11272/5892. ✓ The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 1.25 +/- acres, and is hereinafter more fully described in the Land Title Survey dated February, 2015 prepared by AECOM, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: B9-0794-08-12, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation

Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by

Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C915233
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of

this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Avox System, Inc.:

By: _____

Print Name: Ibrahim Youssef

Title: President Date 10/9/15

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ERIE)

On the 9th day of October, in the year 2015, before me, the undersigned, personally appeared IBRAHIM YOUSEF, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is ~~(are)~~ subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/~~her/their~~ capacity~~(ies)~~, and that by his/~~her/their~~ signature(~~s~~) on the instrument, the individual(~~s~~), or the person upon behalf of which the individual(~~s~~) acted, executed the instrument.

Bonnie L Nowak
Notary Public - State of New York

BONNIE L. NOWAK
Notary Public, State of New York
Qualified in Erie County
My Commission Expires August 31, 2017

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 6th day of November, in the year 2015 before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2018

SCHEDULE "A" PROPERTY DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND situate in the Village of Lancaster, County of Erie, and State of New York being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

Commencing at the intersection of the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the east, and the lands of Ellen Willard (Reputed Owner) on the west, with the centerline of Erie Street, said point being 594.20' southeasterly from the intersection of the centerline of said Erie Street with the centerline of Court Street;

Thence S01°12'46"W along the aforementioned boundary division line a distance of 186.00' to the true point or place of beginning;

Thence in an easterly and southerly direction through the lands of said Scott Aviation Inc. the following 15 courses and distances:

1) N90°00'00"E a distance of 130.48' to the face of the building;

2) S01°06'47"W along the said face of the building a distance of 44.41' to a building corner;

3) S88°53'13"E continuing along the face of said building a distance of 0.15' to an angle point thereon;

4) S01°06'47"E continuing along the face of said building a distance of 15.97' to a building corner;

5) S88°53'13"E continuing along the face of said building a distance of 31.58' to the intersection of the projection of this line, with the building face of another wall of the same building;

6) S00°26'34"W continuing along the face of said building a distance of 59.12' to a building corner;

7) N89°17'09"W continuing along the face of said building a distance of 19.00' to a building corner;

8) S00°42'51"W continuing along the face of said building a distance of 26.95' to a building corner;

9) S89°17'09"E continuing along the face of said building a distance of 59.80' to a building corner;

10) S00°56'24"W continuing along the face of said building a distance of 6.50' to a building corner;

11) N89°03'36"W continuing along the face of said building a distance of 1.80' to the intersection of said building face with the east wall of the boiler room;

12) S02°17'07"E along the east wall of aforementioned boiler room a distance of 33.68' to the southerly face of Scott Aviation facility;

13) S89°11'49"E continuing along the southerly face of said building a distance of 30.47' to a building corner;

14) S00°44'33"W continuing along the face of said building a distance of 29.95' to a building corner;

15) S00°44'33"W continuing along the projection of the aforementioned building face a distance of 84.47' to the intersection of said course with the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the north, and the lands of the Erie Railroad (Reputed Owner) on the south;

Thence N85°41'33"W along the aforementioned boundary division line a distance of 233.45' to the intersection of said line with the aforementioned boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the east, and the lands of Ellen Willard (Reputed Owner) on the west;

Thence N01°12'46"E along the aforementioned boundary division line a distance of 285.05' to the point of beginning. Containing 1.25 acres of land, more or less.

The bearings used in this description are tied into the New York State Plane Coordinate System (NAD' 83, West Zone) as established on site by GPS observations.

TP-584 (4/13)

New York State Department of Taxation and Finance

Combined Real Estate Transfer Tax Return, Credit Line Mortgage Certificate, and Certification of Exemption from the Payment of Estimated Personal Income Tax

Recording office time stamp

See Form TP-584-I, Instructions for Form TP-584, *before completing this form. Print or type.*

Schedule A — Information relating to conveyance

Grantor/Transferor

☐ Individual
☒ Corporation
☐ Partnership
☐ Estate/Trust
☐ Single member LLC
☐ Other

Name *(if individual, last, first, middle initial)* (☐ *check if more than one grantor*): AVOX SYSTEMS INC.

Social security number

Mailing address: 225 ERIE STREET

Social security number

City: LANCASTER | State: NY | ZIP code: 14086

Federal EIN: 26-3112854

Single member's name if grantor is a single member LLC *(see instructions)*

Single member EIN or SSN

Grantee/Transferee

☐ Individual
☐ Corporation
☐ Partnership
☐ Estate/Trust
☐ Single member LLC
☒ Other

Name *(if individual, last, first, middle initial)* (☐ *check if more than one grantee*): THE PEOPLE OF THE STATE OF NEW YORK

Social security number

Mailing address: 625 BROADWAY

Social security number

City: ALBANY | State: NY | ZIP code: 12233

Federal EIN: 14-6013200

Single member's name if grantee is a single member LLC *(see instructions)*

Single member EIN or SSN

Location and description of property conveyed

Tax map designation – Section, block & lot *(include dots and dashes)*	SWIS code (six digits)	Street address	City, town, or village	County
140.16-5-8; 140.16-5-9		215 ERIE STREET; 221 ERIE STREET	VIL OF LANCASTER	ERIE

Type of property conveyed *(check applicable box)*

1 ☐ One- to three-family house
2 ☐ Residential cooperative
3 ☐ Residential condominium
4 ☐ Vacant land
5 ☒ Commercial/Industrial
6 ☐ Apartment building
7 ☐ Office building
8 ☐ Other _____

Date of conveyance: 11 (month) | 06 (day) | 2015 (year)

Percentage of real property conveyed which is residential real property 0 % *(see instructions)*

Condition of conveyance *(check all that apply)*

a. ☐ Conveyance of fee interest
b. ☐ Acquisition of a controlling interest (state percentage acquired _____ %)
c. ☐ Transfer of a controlling interest (state percentage transferred _____ %)
d. ☐ Conveyance to cooperative housing corporation
e. ☐ Conveyance pursuant to or in lieu of foreclosure or enforcement of security interest *(attach Form TP-584.1, Schedule E)*
f. ☐ Conveyance which consists of a mere change of identity or form of ownership or organization *(attach Form TP-584.1, Schedule F)*
g. ☐ Conveyance for which credit for tax previously paid will be claimed *(attach Form TP-584.1, Schedule G)*
h. ☐ Conveyance of cooperative apartment(s)
i. ☐ Syndication
j. ☐ Conveyance of air rights or development rights
k. ☐ Contract assignment
l. ☐ Option assignment or surrender
m. ☐ Leasehold assignment or surrender
n. ☐ Leasehold grant
o. ☒ Conveyance of an easement
p. ☐ Conveyance for which exemption from transfer tax claimed *(complete Schedule B, Part III)*
q. ☐ Conveyance of property partly within and partly outside the state
r. ☐ Conveyance pursuant to divorce or separation
s. ☐ Other *(describe)* _____

For recording officer's use	Amount received	Date received	Transaction number
	Schedule B., Part I $ _____ Schedule B., Part II $		

Schedule B — Real estate transfer tax return (Tax Law, Article 31)

Part I – Computation of tax due

1	Enter amount of consideration for the conveyance *(if you are claiming a total exemption from tax, check the exemption claimed box, enter consideration and proceed to Part III)* ☐ **Exemption claimed**	1.	0
2	Continuing lien deduction *(see instructions if property is taken subject to mortgage or lien)*	2.	0
3	Taxable consideration *(subtract line 2 from line 1)*	3.	0
4	Tax: $2 for each $500, or fractional part thereof, of consideration on line 3	4.	0
5	Amount of credit claimed for tax previously paid *(see instructions and attach Form TP-584.1,* Schedule G*)*	5.	0
6	Total tax due* *(subtract line 5 from line 4)*	6.	0

Part II – Computation of additional tax due on the conveyance of residential real property for $1 million or more

1	Enter amount of consideration for conveyance *(from* Part I*, line 1)*	1.	
2	Taxable consideration *(multiply line 1 by the percentage of the premises which is residential real property, as shown in* Schedule A*)*	2.	
3	Total additional transfer tax due* *(multiply line 2 by 1% (.01))*	3.	

Part III – Explanation of exemption claimed on Part I, line 1 *(check any boxes that apply)*

The conveyance of real property is exempt from the real estate transfer tax for the following reason:

a. Conveyance is to the United States of America, the state of New York, or any of their instrumentalities, agencies, or political subdivisions (or any public corporation, including a public corporation created pursuant to agreement or compact with another state or Canada) ..... a ☐

b. Conveyance is to secure a debt or other obligation ..... b ☐

c. Conveyance is without additional consideration to confirm, correct, modify, or supplement a prior conveyance ..... c ☐

d. Conveyance of real property is without consideration and not in connection with a sale, including conveyances conveying realty as bona fide gifts ..... d ☐

e. Conveyance is given in connection with a tax sale ..... e ☐

f. Conveyance is a mere change of identity or form of ownership or organization where there is no change in beneficial ownership. (This exemption cannot be claimed for a conveyance to a cooperative housing corporation of real property comprising the cooperative dwelling or dwellings.) Attach Form TP-584.1, Schedule F ..... f ☐

g. Conveyance consists of deed of partition ..... g ☐

h. Conveyance is given pursuant to the federal Bankruptcy Act ..... h ☐

i. Conveyance consists of the execution of a contract to sell real property, without the use or occupancy of such property, or the granting of an option to purchase real property, without the use or occupancy of such property ..... i ☐

j. Conveyance of an option or contract to purchase real property with the use or occupancy of such property where the consideration is less than $200,000 and such property was used solely by the grantor as the grantor's personal residence and consists of a one-, two-, or three-family house, an individual residential condominium unit, or the sale of stock in a cooperative housing corporation in connection with the grant or transfer of a proprietary leasehold covering an individual residential cooperative apartment ..... j ☐

k. Conveyance is not a conveyance within the meaning of Tax Law, Article 31, section 1401(e) *(attach documents supporting such claim)* ..... k ☐

*The total tax (from Part I, line 6 and Part II, line 3 above) is due within 15 days from the date conveyance. Please make check(s) payable to the county clerk where the recording is to take place. If the recording is to take place in the New York City boroughs of Manhattan, Bronx, Brooklyn, or Queens, make check(s) payable to the ***NYC Department of Finance.*** If a recording is not required, send this return and your check(s) made payable to the ***NYS Department of Taxation and Finance,*** directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-5045.

Schedule C — Credit Line Mortgage Certificate (Tax Law, Article 11)

Complete the following only if the interest being transferred is a fee simple interest.
I (we) certify that: *(check the appropriate box)*

1. ☒ The real property being sold or transferred is not subject to an outstanding credit line mortgage.

2. ☐ The real property being sold or transferred is subject to an outstanding credit line mortgage. However, an exemption from the tax is claimed for the following reason:

   ☐ The transfer of real property is a transfer of a fee simple interest to a person or persons who held a fee simple interest in the real property (whether as a joint tenant, a tenant in common or otherwise) immediately before the transfer.

   ☐ The transfer of real property is (A) to a person or persons related by blood, marriage or adoption to the original obligor or to one or more of the original obligors or (B) to a person or entity where 50% or more of the beneficial interest in such real property after the transfer is held by the transferor or such related person or persons (as in the case of a transfer to a trustee for the benefit of a minor or the transfer to a trust for the benefit of the transferor).

   ☐ The transfer of real property is a transfer to a trustee in bankruptcy, a receiver, assignee, or other officer of a court.

   ☐ The maximum principal amount secured by the credit line mortgage is $3,000,000 or more, and the real property being sold or transferred is **not** principally improved nor will it be improved by a one- to six-family owner-occupied residence or dwelling.

   Please note: for purposes of determining whether the maximum principal amount secured is $3,000,000 or more as described above, the amounts secured by two or more credit line mortgages may be aggregated under certain circumstances. See TSB-M-96(6)-R for more information regarding these aggregation requirements.

   ☐ Other *(attach detailed explanation)*.

3. ☐ The real property being transferred is presently subject to an outstanding credit line mortgage. However, no tax is due for the following reason:

   ☐ A certificate of discharge of the credit line mortgage is being offered at the time of recording the deed.

   ☐ A check has been drawn payable for transmission to the credit line mortgagee or his agent for the balance due, and a satisfaction of such mortgage will be recorded as soon as it is available.

4. ☐ The real property being transferred is subject to an outstanding credit line mortgage recorded in ____________ (insert liber and page or reel or other identification of the mortgage). The maximum principal amount of debt or obligation secured by the mortgage is ____________. No exemption from tax is claimed and the tax of ____________ is being paid herewith. *(Make check payable to county clerk where deed will be recorded or, if the recording is to take place in New York City but not in Richmond County, make check payable to the* ***NYC Department of Finance.****)*

Signature (both the grantor(s) and grantee(s) must sign)

The undersigned certify that the above information contained in schedules A, B, and C, including any return, certification, schedule, or attachment, is to the best of his/her knowledge, true and complete, and authorize the person(s) submitting such form on their behalf to receive a copy for purposes of recording the deed or other instrument effecting the conveyance.

[signature]	President	Andrew Gnyjhelmi [signature]	Attorney
Grantor signature	Title	Grantee signature	Title
Grantor signature	Title	Grantee signature	Title

Reminder: Did you complete all of the required information in Schedules A, B, and C? Are you required to complete Schedule D? If you checked *e*, *f*, or *g* in Schedule A, did you complete Form TP-584.1? Have you attached your check(s) made payable to the county clerk where recording will take place or, if the recording is in the New York City boroughs of Manhattan, Bronx, Brooklyn, or Queens, to the ***NYC Department of Finance***? If no recording is required, send your check(s), made payable to the ***Department of Taxation and Finance,*** directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-5045.

Schedule D - Certification of exemption from the payment of estimated personal income tax (Tax Law, Article 22, section 663)

Complete the following only if a fee simple interest or a cooperative unit is being transferred by an individual or estate or trust.

If the property is being conveyed by a referee pursuant to a foreclosure proceeding, proceed to Part II, and check the second box under *Exemptions for nonresident transferor(s)/seller(s)* and sign at bottom.

Part I - New York State residents

If you are a New York State resident transferor(s)/seller(s) listed in Schedule A of Form TP-584 (or an attachment to Form TP-584), you must sign the certification below. If one or more transferors/sellers of the real property or cooperative unit is a resident of New York State, **each** resident transferor/seller must sign in the space provided. If more space is needed, please photocopy this Schedule D and submit as many schedules as necessary to accommodate all resident transferors/sellers.

Certification of resident transferor(s)/seller(s)

This is to certify that at the time of the sale or transfer of the real property or cooperative unit, the transferor(s)/seller(s) as signed below was a resident of New York State, and therefore is not required to pay estimated personal income tax under Tax Law, section 663(a) upon the sale or transfer of this real property or cooperative unit.

Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date

Note: A resident of New York State may still be required to pay estimated tax under Tax Law, section 685(c), but not as a condition of recording a deed.

Part II - Nonresidents of New York State

If you are a nonresident of New York State listed as a transferor/seller in Schedule A of Form TP-584 (or an attachment to Form TP-584) but are not required to pay estimated personal income tax because one of the exemptions below applies under Tax Law, section 663(c), check the box of the appropriate exemption below. If any one of the exemptions below applies to the transferor(s)/seller(s), that transferor(s)/seller(s) is not required to pay estimated personal income tax to New York State under Tax Law, section 663. **Each** nonresident transferor/seller who qualifies under one of the exemptions below must sign in the space provided. If more space is needed, please photocopy this Schedule D and submit as many schedules as necessary to accommodate all nonresident transferors/sellers.

If none of these exemption statements apply, you must complete Form IT-2663, *Nonresident Real Property Estimated Income Tax Payment Form*, or Form IT-2664, *Nonresident Cooperative Unit Estimated Income Tax Payment Form.* For more information, see *Payment of estimated personal income tax,* on page 1 of Form TP-584-I.

Exemption for nonresident transferor(s)/seller(s)

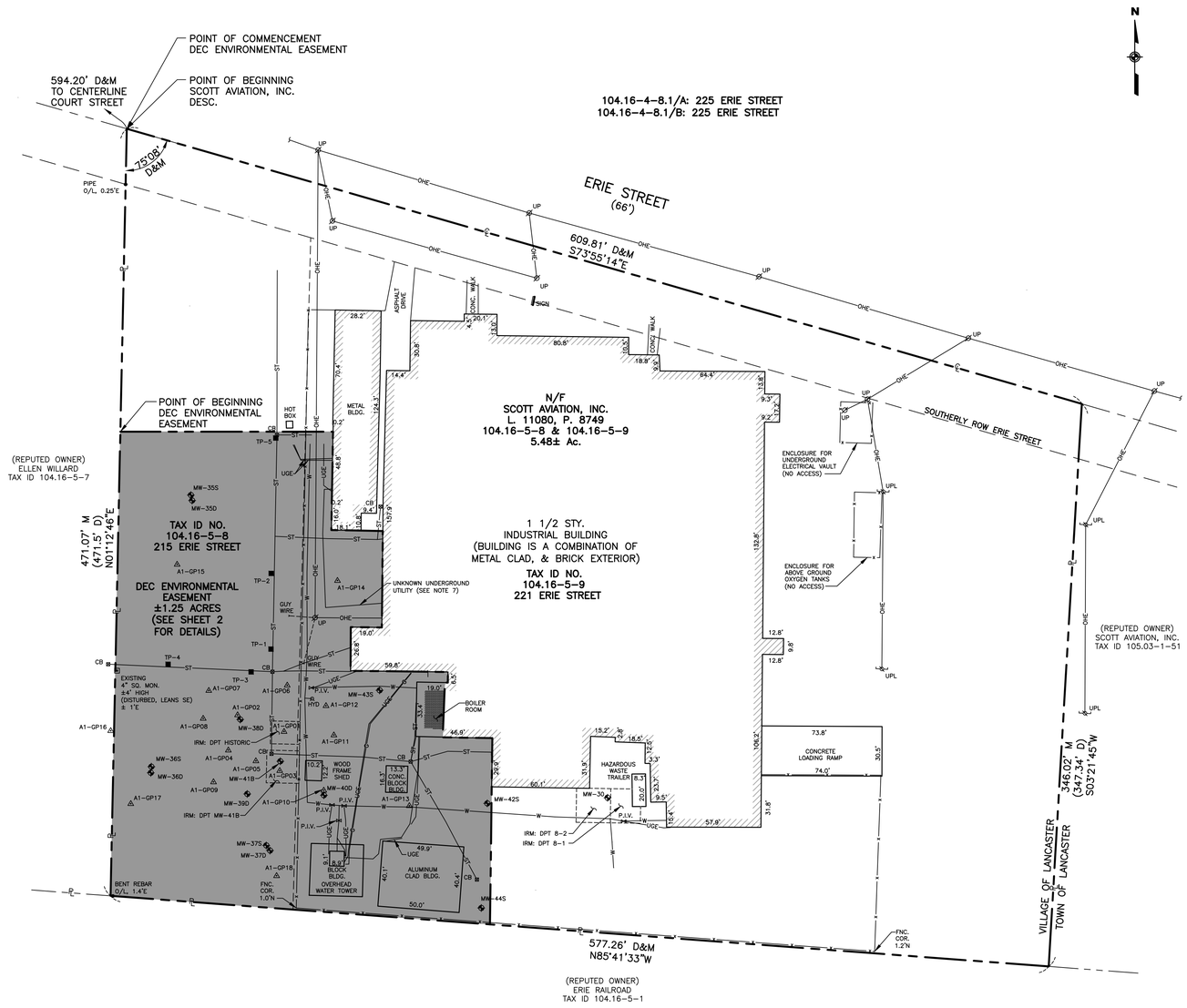
This is to certify that at the time of the sale or transfer of the real property or cooperative unit, the transferor(s)/seller(s) (grantor) of this real property or cooperative unit was a nonresident of New York State, but is not required to pay estimated personal income tax under Tax Law, section 663 due to one of the following exemptions:

☐ The real property or cooperative unit being sold or transferred qualifies in total as the transferor's/seller's principal residence (within the meaning of Internal Revenue Code, section 121) from _____ (Date) to _____ (Date) *(see instructions).*

☐ The transferor/seller is a mortgagor conveying the mortgaged property to a mortgagee in foreclosure, or in lieu of foreclosure with no additional consideration.

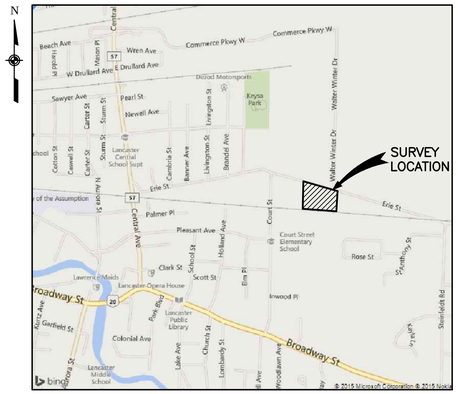
☐ The transferor or transferee is an agency or authority of the United States of America, an agency or authority of the state of New York, the Federal National Mortgage Association, the Federal Home Loan Mortgage Corporation, the Government National Mortgage Association, or a private mortgage insurance company.

Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date



NOTES

1) SEE DWG 2 OF 2 AND ENVIRONMENTAL EASEMENT DETAIL FOR ADDITIONAL NOTES, RECORD LEGAL DESCRIPTION & ENVIRONMENTAL EASEMENT AREA DESCRIPTION



SITE VICINITY MAP
NOT TO SCALE

ABBREVIATIONS

N.	NORTH	EP	EDGE OF PAVEMENT
S.	SOUTH	EXIST.	EXISTING
W.	WEST	UP	UTILITY POLE
E.	EAST	UPT	UTILITY POLE W/ TRANSFORMER
℄	PROPERTY LINE	UPL	UTILITY POLE W/LIGHT
D.	DEED	OHE	OVERHEAD ELECTRIC
D&M	DEEDED & MEASURED	OHE/T	OVERHEAD ELECTRIC & TELEPHONE
MS.	MEASURED	IP	IRON PIPE
NO.	NUMBER	CONC.	CONCRETE
MON.	MONUMENT		
O/L	ON LINE		

LEGEND

CB	CATCH BASIN/DI	P.I.V.	POST INDICATOR VALVE
HYD	HYDRANT	OHE	OVERHEAD ELECTRIC
		UGE	UNDERGROUND ELECTRIC
UP	UTILITY POLE	G	GAS LINE
UPL	UTILITY POLE W/LIGHT	W	WATERLINE
MW-38D	MONITORING WELL	ST	STORM SEWER
TP-2	TEST PIT	x	FENCE
A1-GP01	PIEZOMETER	℄	PROPERTY LINE

NOTES:

1. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATE OF FACTS THAT MAY BE REVEALED BY AN EXAMINATION OF SUCH.
2. THE BEARINGS ON THIS SITE ARE REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM (WEST ZONE NAD '83) AND WERE ESTABLISHED ON SITE BY GPS OBSERVATION.
3. THE PROPERTY IS KNOWN AS FOLLOWS:
   225 ERIE AVENUE, TAX ID PARCELS 104.16-4-8.1/A & 104.16-4-8.1/B
   215 ERIE AVENUE, TAX ID PARCEL 104.16-5-8
   221 ERIE AVENUE, TAX ID PARCEL 104.16-5-9
   VILLAGE OF LANCASTER
   LIBER 11272 PAGE 5892
   TRACT 1; PARCELS 1-6, 8, & 9
4. THE SURVEY WAS COMPLETED WITH +/- 12" OF SNOW ON THE GROUND, AND WITH MANY PILES OF SNOW ON SITE. ITEMS ON AND/OR NEAR THE GROUND MAY NOT HAVE BEEN OBSERVED DURING THE FIELD WORK. THE LIMITS OF GROUND FEATURES SUCH AS EDGE OF PAVEMENT, SIDEWALKS, AND CONCRETE PADS WERE NOT ABLE TO BE LOCATED IN MANY INSTANCES.
5. NO MONUMENTATION WAS RECOVERED IN THE FIELD ALONG THE TOWN/VILLAGE OF LANCASTER LINE.
6. IRM LOCATIONS ON SURVEY ARE BASED UPON FIELD SKETCHES AND SHOULD BE CONSIDERED TO BE APPROXIMATE.
7. LOCATION OF UNDERGROUND UTILITIES BASED UPON AN UNDERGROUND SURVEY COMPLETED BY CARDNO, INC. AND LOCATED BY URS ON JANUARY 19, 2015.

10 0 10 20
SCALE IN METERS
1 METER = 3.28083333 U.S. SURVEY FEET

40' 0 40'
SCALE IN FEET

NYSDEC ENVIRONMENTAL EASEMENT SURVEY

SCOTT AVIATION, INC.
225 ERIE STREET
VILLAGE OF LANCASTER
ERIE COUNTY, NEW YORK

FORMER SCOTT TECHNOLOGIES, INC. FACILITY (AREA 1) SITE
NYSDEC SITE No. C915233

SITUATE IN:
GREAT LOT NO. 10, SECTION 7, TOWNSHIP NO. 11, RANGE NO. 6
OF THE HOLLAND LAND COMPANY'S SURVEY

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement are set forth in more detail in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with an interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov.

ENVIRONMENTAL EASEMENT AREA ACCESS

THE NYSDEC OR THEIR AGENT MAY ACCESS THE ENVIRONMENTAL EASEMENT AREA AS SHOWN HEREON AS PROVIDED IN THE ENVIRONMENTAL EASEMENT

No.	Date	Revision Description

REVISIONS

AECOM
New York
257 West Genesee Street, Suite 400
Buffalo, New York 14202-2657
(716)856-5636 – (716)856-2545 fax

DRAWN BY: ELB
CHECKED BY: MDR
SCALE: AS SHOWN
DATE: FEBRUARY 2015
DWG. 1 OF 2

URS JOB NO. 11177339

STATE OF NEW YORK
MICHAEL D. ROZESKI
050523
LICENSED LAND SURVEYOR

THIS MAP VOID UNLESS EMBOSSED WITH NEW YORK STATE LICENSED LAND SURVEYORS SEAL
MICHAEL D. ROZESKI NO. 050523

J:\Projects\SURVEY\11177339\SCOTT AVIATION EASEMENT SURVEY\EVS-19-15.dwg 1:1 6/29/15-5, JJS

RECORD LEGAL DESCRIPTION

TRACT 1
PARCEL I: (Erie County Clerk Instrument Deed Book 11080, Page 8749)

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street 762.93 feet southeasterly from the intersection with the center line of Court Street; running thence southerly at an interior angle of 75°8' 436.29 feet to the north line of the lands of the Erie Railroad Company, thence easterly along the north line of said Erie Railroad lands, 50.06 feet; thence northerly 426.53 feet to a point in the center line of Erie Street which is 51.73 feet southeasterly of the point of beginning; and thence westerly along the center line of Erie Street 51.73 feet to the point of beginning.

PARCEL II:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street at the northeast corner of lands conveyed to Uniloy Accessories Corporation by deed recorded in said Clerk's Office in Liber 3062 of Deeds at page 587 (being Parcel I above); running thence southerly along the east line of lands so conveyed to Uniloy Accessories Corporation 426.53 feet to the north line of lands of the Erie Railroad Company; thence easterly along the lands of said Erie Railroad lands 85.17 feet; thence northerly parallel with the east line of lands conveyed to Abbie Curren Schultz by deed recorded in said Clerk's Office in Liber 3062 of Deeds at page 591, 408.80 feet to the center line of Erie Street; and thence westerly along the center line of Erie Street 87.54 feet to the point of beginning.

PARCEL III:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street 902.20 feet east of its intersection with the center line of Court Street, said point of beginning also being the northeast corner of lands conveyed to Uniloy Accessories Corporation by deed recorded in said Clerk's Office in Liber 3130 of Deeds at page 431 (being Parcel II above); running thence easterly along the center line of Erie Street 51.71 feet to the northeast corner of lands conveyed to Abbie Curren Schultz by deed recorded in said Clerk's Office in Liber 3062 of Deeds at page 591; thence southerly along the east line of lands so conveyed 398.40 feet to the north line of lands of the Erie Railroad Company; thence westerly along the north line of lands of the Erie Railroad 50.05 feet to the southeast corner of lands conveyed to Uniloy Accessories Corporation by deed aforesaid; and thence northerly along the east line of lands so conveyed 408.80 feet to the point of beginning.

PARCEL IV:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street 762.93 feet southeasterly from its intersection with the center line of Court Street, said point of beginning also being the northwest corner of lands conveyed to Uniloy Accessories Corporation by deed recorded in said Clerk's Office in Liber 3062 of Deeds at page 587 (being Parcel I above); running thence southerly along the westerly line of lands so conveyed to Uniloy Accessories Corporation 436.29 feet to the north line of lands of the Erie Railroad Company; thence westerly along said north line of the Erie Railroad lands 40.05 feet; thence northerly parallel with the west line of lands conveyed to Uniloy Accessories Corporation by deed aforesaid, 445.24 feet to the center line of Erie Street; and thence southeasterly along the center line of Erie Street 41.37 feet to the place of beginning.

PARCEL V:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street 953.91 feet east of its intersection with the center line of Court Street, which point of beginning is also the northeast corner of lands to Scott Aviation Corporation by deed recorded in said Clerk's Office in Liber 3218 of Deeds at page 422 (being Parcel III above); running thence easterly along the center line of Erie Street 51.71 feet; thence southerly parallel with the east line of lands so conveyed to Scott Aviation Corporation 388 feet to the north line of Erie Railroad lands; thence westerly along the north line of Erie Railroad lands 50.05 feet to the southeast corner of lands conveyed to Scott Aviation Corporation by deed aforesaid; and thence northerly along said east line, 398.40 feet to the point of beginning.

PARCEL VI:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street at the northeast corner of lands conveyed to Scott Aviation Corporation by Johanna Curren, by deed dated April 1, 1944 recorded in Liber 3535 of Deeds at page 411, May 11, 1944 and being 1,005.62 feet more or less easterly along the center line of Erie Street from its intersection with the center line of Court Street; thence easterly along the center line of Erie Street 186.88 feet more or less to the east line of the Village of Lancaster, being also the westerly line of Lot No. 8; thence southerly along said easterly line of the Village of Lancaster 347.34 feet more or less to the northerly line of the Erie Railroad Company's right of way; thence westerly along the northerly line of the Erie Railroad Company's right of way 179.63 feet more or less to the said easterly line of lands of Scott Aviation Corporation conveyed by said Johanna Curran; thence northerly along said easterly line of the lands of Scott Aviation Corporation 308 feet more or less to the point of beginning.

PARCEL VIII:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street, distant 712.59 feet easterly from the center line of Court Street; running thence easterly along the center line of Erie Street, 10.34 feet to the west line of land conveyed to Scott Aviation Corporation by deed recorded in Erie County Clerk's Office in Liber 3303 of Deeds at page 251; thence southerly along said westerly line 411 feet to the lands of the Erie Railroad; thence westerly along the Railroad's lands 10 feet; thence northerly 413.43 feet to the point of beginning.

PARCEL IX:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street 594.20 feet southeasterly from the intersection of the center line of Erie Street with the center line of Court Street, which point of beginning is also the northeast corner of lands conveyed to Edward J. Kader by deed recorded in Erie County Clerk's Office in Liber 3305 of Deeds at page 544; thence southeasterly along the center line of Erie Street 118.19 feet to the westerly line of lands conveyed to Scott Aviation Corporation by deed recorded in Erie County Clerk's Office in Liber 6578 of Dedds at page 455; thence northerly along the westerly line of lands so conveyed to Scott Aviation Corporation by deed aforesaid 447.57 feet to the northerly line of lands of the Erie Railroad Company; running thence westerly and along the northerly line of the lands of the Erie Railroad Company 112.25 feet to the easterly line of lands conveyed to Edward J. Kader by deed recorded in Erie County Clerk's Office in Liber 3305 of Deeds at page 544; thence northerly along the easterly line of lands so conveyed to Edward J. Kader by deed aforesaid 417.5 feet to the center line of Erie Street at the point or place of beginning.

SURVEY DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND situate in the Village of Lancaster, County of Erie, and State of New York being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

Beginning at the intersection of the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the east, and the lands of Ellen Willard (Reputed Owner) on the west, with the centerline of Erie Street, said point being 594.20' southeasterly from the intersection of the centerline of said Erie Street with the centerline of Court Street;

Thence S73°55'14"E along the centerline of said Erie Street a distance of 609.81' to the intersection of said centerline with the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the west (Tax ID #104.16-5-9) and the lands of Scott Aviation Inc. (Reputed Owner) on the east (Tax ID #105.03-1-51), said line also described as the boundary division line between the Village of Lancaster on the west, and the Town of Lancaster on the east;

Thence S03°21'45"W along the aforementioned boundary division line to the intersection of the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the north, and the lands of the Erie Railroad (Reputed Owner) on the south;

Thence N85°41'33"W along the aforementioned boundary division line a distance of 577.26' to the intersection of said boundary division line with the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the east, and the lands of Ellen Willard (Reputed Owner) on the west;

Thence N01°12'46"E along the aforementioned boundary division line a distance of 471.07' to the point of beginning. Containing 5.48 acres of land, more or less.

The bearings used in this description are tied into the New York State Plane Coordinate System (NAD' 83, West Zone) as established on site by GPS observations.

DEC ENVIRONMENTAL EASEMENT DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND situate in the Village of Lancaster, County of Erie, and State of New York being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

Commencing at the intersection of the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the east, and the lands of Ellen Willard (Reputed Owner) on the west, with the centerline of Erie Street, said point being 594.20' southeasterly from the intersection of the centerline of said Erie Street with the centerline of Court Street;

Thence S01°12'46"W along the aforementioned boundary division line a distance of 186.00' to the true point or place of beginning;

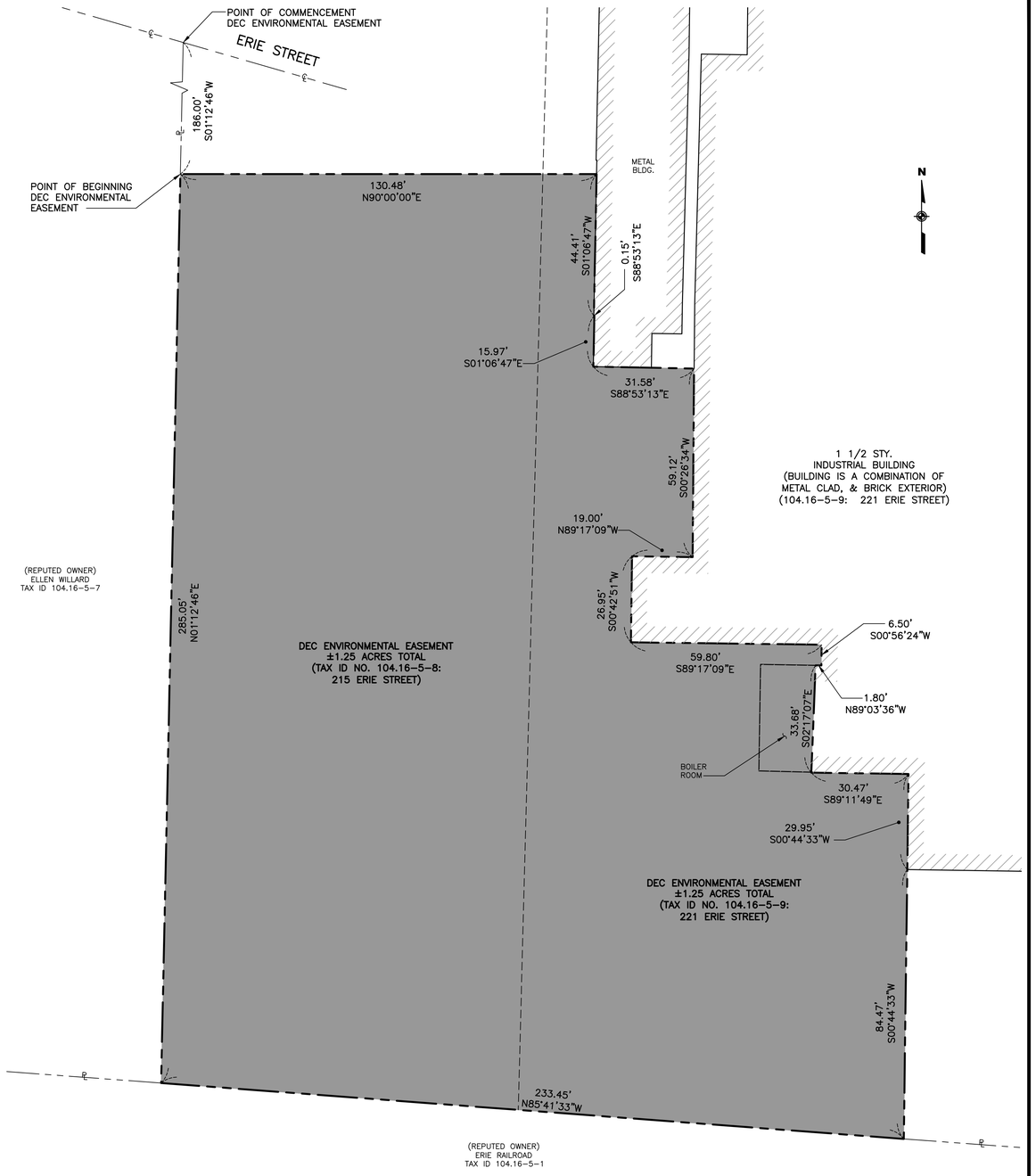
Thence in an easterly and southerly direction through the lands of said Scott Aviation Inc. the following 15 courses and distances:

1) N90°00'00"E a distance of 130.48' to the face of the building;
2) S01°06'47"W along the said face of the building a distance of 44.41' to a building corner;
3) S88°53'13"E continuing along the face of said building a distance of 0.15' to an angle point thereon;
4) S01°06'47"E continuing along the face of said building a distance of 15.97' to a building corner;
5) S88°53'13"E continuing along the face of said building a distance of 31.58' to the intersection of the projection of this line, with the building face of another wall of the same building;
6) S00°26'34"W continuing along the face of said building a distance of 59.12' to a building corner;
7) N89°17'09"W continuing along the face of said building a distance of 19.00' to a building corner;
8) S00°42'51"W continuing along the face of said building a distance of 26.95' to a building corner;
9) S89°17'09"E continuing along the face of said building a distance of 59.80' to a building corner;
10) S00°56'24"W continuing along the face of said building a distance of 6.50' to a building corner;
11) N89°03'36"W continuing along the face of said building a distance of 1.80' to the intersection of said building face with the east wall of the boiler room;
12) S02°17'07"E along the east wall of aforementioned boiler room a distance of 33.68' to the southerly face of Scott Aviation facility;
13) S89°11'49"E continuing along the southerly face of said building a distance of 30.47' to a building corner;
14) S00°44'33"W continuing along the face of said building a distance of 29.95' to a building corner;
15) S00°44'33"W continuing along the projection of the aforementioned building face a distance of 84.47' to the intersection of said course with the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the north, and the lands of the Erie Railroad (Reputed Owner) on the south;

Thence N85°41'33"W along the aforementioned boundary division line a distance of 233.45' to the intersection of said line with the aforementioned boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the east, and the lands of Ellen Willard (Reputed Owner) on the west;

Thence N01°12'46"E along the aforementioned boundary division line a distance of 285.05' to the point of beginning. Containing 1.25 acres of land, more or less.

The bearings used in this description are tied into the New York State Plane Coordinate System (NAD' 83, West Zone) as established on site by GPS observations.



DEC ENVIRONMENTAL EASEMENT DETAIL

10 0 10 20 — SCALE IN METERS
1 METER = 3.28083333 U.S. SURVEY FEET

20' 0 20' — SCALE IN FEET

NYSDEC ENVIRONMENTAL EASEMENT SURVEY

SCOTT AVIATION, INC.
225 ERIE STREET
VILLAGE OF LANCASTER
ERIE COUNTY, NEW YORK

FORMER SCOTT TECHNOLOGIES, INC. FACILITY (AREA 1) SITE
NYSDEC SITE No. C915233

SITUATE IN:
GREAT LOT NO. 10, SECTION 7, TOWNSHIP NO. 11, RANGE NO. 6
OF THE HOLLAND LAND COMPANY'S SURVEY

No.	Date	Revision Description

REVISIONS

AECOM
New York
257 West Genesee Street, Suite 400
Buffalo, New York 14202-2657
(716)856-5636 - (716)856-2545 fax

DRAWN BY: ELB SCALE: AS SHOWN
CHECKED BY: MDR DATE: FEBRUARY 2015
DWG. 2 OF 2

URS JOB NO. 11177339

STATE OF NEW YORK
MICHAEL D. ROZESKI
050523
LICENSED LAND SURVEYOR

THIS MAP VOID UNLESS EMBOSSED WITH NEW YORK STATE LICENSED LAND SURVEYORS SEAL MICHAEL D. ROZESKI NO. 050523

J:\Projects\SURVEY\11177339\SCOTT AVIATION EASEMENT SURVEYREVS-19-15.dwg 1:1
6/29/15-2, ELB

UNITED STATES POSTAL SERVICE

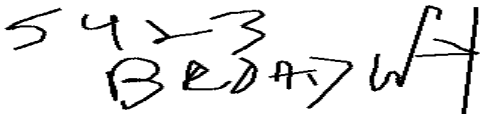
Date: December 3, 2015

Allyssa Moody:

The following is in response to your December 3, 2015 request for delivery information on your Certified Mail™ item number 9171999991703619334374. The delivery record shows that this item was delivered on December 3, 2015 at 11:19 am in LANCASTER, NY 14086. The scanned image of the recipient information is provided below.

Signature of Recipient :

Address of Recipient :



Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

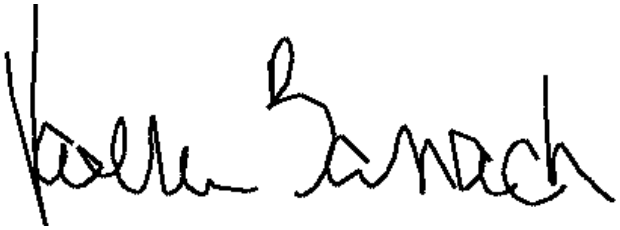
UNITED STATES POSTAL SERVICE

Date: December 3, 2015

Allyssa Moody:

The following is in response to your December 3, 2015 request for delivery information on your Certified Mail™ item number 9171999991703619334381. The delivery record shows that this item was delivered on December 3, 2015 at 10:22 am in LANCASTER, NY 14086. The scanned image of the recipient information is provided below.

Signature of Recipient :



Address of Recipient :

21 CENTRAL

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

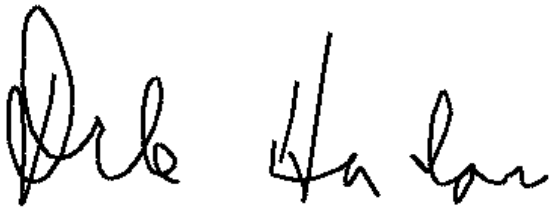
UNITED STATES POSTAL SERVICE

Date: December 3, 2015

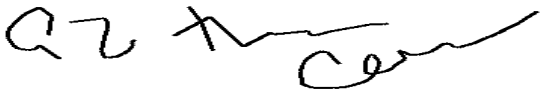
Allyssa Moody:

The following is in response to your December 3, 2015 request for delivery information on your Certified Mail™ item number 9171999991703619334398. The delivery record shows that this item was delivered on December 3, 2015 at 10:57 am in BUFFALO, NY 14202. The scanned image of the recipient information is provided below.

Signature of Recipient :



Address of Recipient :



Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

APPENDIX B – LIST OF SITE CONTACTS

LIST OF SITE CONTACTS

Name	Phone/Email Address
Jennifer Davide	716-686-1686 jennifer.Davide@zodiacaerospace.com
Troy Chute	302-212-0158 troy.chute@gsfmanagementco.com
Dino Zack	716-923-1125 dino.zack@aecom.com
Glenn May	716-851-7220 glenn.may@dec.ny.gov
Kevin Young	518-438-9907 kyoung@youngsommer.com

APPENDIX C – MONITORING WELL BORING AND CONSTRUCTION LOGS

AECOM

HTW DRILLING LOG

HOLE NO. B-1

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION:	SHEET 1 OF SHEETS 3	
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 0	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: 4	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: NA	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 6/2/2010	18. DATE HOLE COMPLETED: 6/2/2010	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: NA		
6. NAME OF DRILLER: Ron Brown	19. WEATHER: Sunny, 80F		
7. THICKNESS OF OVERBURDEN: 8 ft	20. DISPOSITION OF HOLE:		
8. DEPTH DRILLED INTO ROCK: NA ft	21. NAME OF INSPECTOR: Tamara Raby		
9. TOTAL DEPTH OF HOLE: 8 ft	22. SIGNATURE OF INSPECTOR:		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	0		Greyish brown SILT, trace f-c sand and f. gravel, trace fill material (i.e. glass), moist, trace black staining.	20	0-2'	0.5	3 4 5 5	
	2		light brown with grey-orangish brown mottling SILTY CLAY, wet (NOT water table), trace black staining)	8	2-4'	0.7	2 2 1 2	
	4		light brown with grey and orangish borwn mottling, SILTY CLAY, moist	6	4-6'	0.2	2 2 4 3	
	6		Greyish brown SILTY CLAY, trace f-c sand, soft, wet Bottom of borehole @ 8' Backfill boring with bentonite chips.	14	6-8'	0.2	1 2 2 2	
	8							
	10							

AECOM

HTW DRILLING LOG

HOLE NO. B-2

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION:	SHEET 1 OF 2	
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 0	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: 0	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: NA	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 6/2/2010	18. DATE HOLE COMPLETED: 6/2/2010	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: NA		
6. NAME OF DRILLER: Ron Brown	19. WEATHER: Sunny, 80F		
7. THICKNESS OF OVERBURDEN: 12 ft	20. DISPOSITION OF HOLE:		
8. DEPTH DRILLED INTO ROCK: NA ft	21. NAME OF INSPECTOR: Tamara Raby		
9. TOTAL DEPTH OF HOLE: 12 ft	22. SIGNATURE OF INSPECTOR:		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	1		0-6" brown sandy SILT and GRAVEL 6-18" brown SILTY CLAY with grey and orangish bornw mottling, (moist)	18	0-2	130.0	2 4 5 5	
	2		0-18" stiff, brown with grey-orangish brown mottling SILTY CLAY, moist	18	2-4	0.8	2 3 5 7	
	4		0-20" stiff, brown with grey and orangigh brown mottling SILTY CLAY, moist	20	4-6	0.7	7 9 9 10	
	6		0-20" stiff, brown with grey and orangigh brown mottling SILTY CLAY, moist	20	6-8	0.2	9 11 10 11	
	8		0-24" brown SIILTY CLAY with grey mottling, stiff, moist, trace black organics	24	8-10	0.2	14 14 18 17	
	10							

AECOM

HTW DRILLING LOG

HOLE NO. B-2

PROJECT		SHEET		SHEETS
Former Scott Aviation Facility BCP		2	OF	2

1. LOCATION	21. NAME OF INSPECTOR
Lancaster, New York	Tamara Raby
2. COMPANY	**22. SIGNATURE OF INSPECTOR**
AECOM	

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	10		0-22" brown SIILTY CLAY with grey mottling, stiff, moist, trace black organics, slightly moister than 8-10' splitspoon	22	10-12	0.2	15 19	
	11		Bottom of Boring @ 12'				20 20	
	12							
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							
	21							
	22							
	23							

AECOM

HTW DRILLING LOG

HOLE NO. B-3

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION:	SHEET 1 OF 2	
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 0	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: 2	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: NA	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 6/2/2010	18. DATE HOLE COMPLETED: 6/2/2010	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: NA		
6. NAME OF DRILLER: Ron Brown	19. WEATHER: Sunny, 80F		
7. THICKNESS OF OVERBURDEN: 12 ft	20. DISPOSITION OF HOLE:		
8. DEPTH DRILLED INTO ROCK: NA ft	21. NAME OF INSPECTOR: Tamara Raby		
9. TOTAL DEPTH OF HOLE: 12 ft	22. SIGNATURE OF INSPECTOR:		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	1		0-18" dark grey SILT with trace organics, f-c sand, top 6" base of asphalt (sand and gravel, same silt), moist	18	0-2	0.6	5 5 4 4	
	2		0-19" brown grading to slightly pinkish brown silty clay, moist, trace f-c sand, and rootlets, orangish brown mottling, moist	19	NA	0.2	2 3 5 6	
	4		0-24" Same as above, stiff, moist	24	NA	0.2	6 8 9 10	
	6		0-17" pinkish brown SILTY CLAY, trace f. snad stiff, moist, trace black/orange mottling	17	6-8	0.2	6 15 16 18	
	8		0-19" pinkish brown SILTY CLAY, trace orange mottling, moist	19	NA	0.2	11 14 16 16	
	10							

AECOM

HTW DRILLING LOG

HOLE NO. B-3

PROJECT: Former Scott Aviation Facility BCP

SHEET 2 OF SHEETS 2

1. LOCATION: Lancaster, New York

21. NAME OF INSPECTOR: Tamara Raby

2. COMPANY: AECOM

22. SIGNATURE OF INSPECTOR:

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	10		0-24" Same as above, slightly more moisture content, Collected sample 6-8' bgs.	24	NA	0.3	20	
							20	
	11		End of boring @ 12'				21	
							22	
	12							
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							
	21							
	22							
	23							

AECOM

HTW DRILLING LOG

HOLE NO. MW-35D

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION: North area in lawn	SHEET 1 OF 3	SHEETS 3
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 0	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: 2 intervals sampled at S	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: 688.9 ft AMSL	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 5/26/2010	18. DATE HOLE COMPLETED: 5/26/2010	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: 6 ft		
6. NAME OF DRILLER: Ron Brown	19. WEATHER: Sunny, 85F		
7. THICKNESS OF OVERBURDEN: ft	20. DISPOSITION OF HOLE		
8. DEPTH DRILLED INTO ROCK: ft	21. NAME OF INSPECTOR: Dino Zack		
9. TOTAL DEPTH OF HOLE: ft	22. SIGNATURE OF INSPECTOR		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	1		0-6" TOPSOIL, brown (moist/dry) 6-9" tan SILT, trace f.sand (dry/moist) 9-20" reddish brown CLAY, trace silt, stiff (moist/dry)	20	NA	0.0	2 2 4 5	
	2		0-15" reddish brown CLAY, trace silt, stiff (moist/dry)	15	NA	0.0	4 4 5 5	
	3							
	4		0-20" reddish brown SILTY CLAY with 1 mm silt layers (moist)	20	NA	0.0	3 4 7 8	
	5							
	6		0-7" reddish brown SILTY CLAY, little SILT, (wet) 7-20" reddish brown CLAYEY SILT, thin silt layers interbedded (dry/moist)	20	NA	0.0	5 7 9 9	
	7							
	8		0-24" reddish brown SILTY CLAY, mottled slightly (moist)	24	NA	0.0	5 6 6 8	
	9							
	10							

AECOM

HTW DRILLING LOG

HOLE NO. **MW-35D**

PROJECT: Former Scott Aviation Facility BCP

SHEET 2 OF SHEETS 3

1. LOCATION: Lancaster, New York

21. NAME OF INSPECTOR: Dino Zack

2. COMPANY: AECOM

22. SIGNATURE OF INSPECTOR:

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	10		0-6" reddish brown SILTY CLAY, trace gravel 6-24* dark reddish/purple brown CLAY, trace silty clay, (moist) *color change	24	NA	0.0	3 4 5 7	
	12		0-24" dark purple brown CLAY, (moist)	24	NA	0.0	5 8 8 10	
	14		0-23" dark purple/brown CLAY, trace silty, trace gravel, slightly mottled, (moist)	23	NA	0.0	3 3 5 6	
	16		0-24" dark purple-reddish brown CLAY, some silty layers, trace gravel, (moist)	24	NA	0.0	5 5 6 5	
	18		0-24" purple/reddish brown CLAY trace silt, trace gravel, (moist)	24	NA	0.0	2 3 3 4	
	20		0-24" purple/reddish brown CLAY trace silt, trace gravel, (moist), soft	24	NA	0.0	1 3 3 3	
	22		0-20" reddish brown CLAY, little silty, trace gravel (moist-wet)	20	NA	0.0	2 2 4 4	

AECOM

HTW DRILLING LOG

HOLE NO. MW-35D

PROJECT: Former Scott Aviation Facility BCP

SHEET 3 OF SHEETS 3

1. LOCATION: Lancaster, New York

21. NAME OF INSPECTOR: Dino Zack

2. COMPANY: AECOM

22. SIGNATURE OF INSPECTOR:

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	24		0-2" reddish brown CLAY, little silt, little gravel, (moist) 2-6" medium gray f-c SAND, some gravel, trace silt, (moist-wet), shale fragments in shoe Bottom of borehole @ 26'	24	NA	0.0	1 4 6 16	
	25							
	26							
	27							
	28							
	29							
	30							
	31							
	32							
	33							
	34							
	35							
	36							
	37							

AECOM

HTW DRILLING LOG

HOLE NO. MW-36D

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION: North area in cattails	SHEET: 1 OF 2	
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 0	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: 1 interval	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: 687.1 ft AMSL	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 6/4/2010	18. DATE HOLE COMPLETED: 6/4/2010	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: 9 ft		
6. NAME OF DRILLER: Ron Brown	19. WEATHER: Sun & Clouds 85F		
7. THICKNESS OF OVERBURDEN: 21 ft	20. DISPOSITION OF HOLE:		
8. DEPTH DRILLED INTO ROCK: NA ft	21. NAME OF INSPECTOR: Dino Zack		
9. TOTAL DEPTH OF HOLE: 21 ft	22. SIGNATURE OF INSPECTOR:		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	1		0-8" organic-rich TOPSOIL (wet-moist) 8-23" mottled reddish brown SILT, trace f-c sand, trace clay, trace organics (moist)	23	NA	0.0	1 1 3 4	
	2 3		0-20" mottled reddish brown-tan-grey SILT, little clay, gtrace f. gravel (moist)	20	NA	0.0	4 4 5 6	
	4 5		0-13" tan-lt. olive SILT 13-23" reddish brown-tan SILT and CLAY, mottled with grey (stiff, moist)	23	NA	0.0	5 5 6 11	
	6 7		0-6" tan-olive SILT, mottled with grey (moist) 6-24" reddish brown CLAY, little silt, grading to purple (stiff, moist)	24	NA	0.0	10 12 16 16	
	8 9		0-12" Reddish brown CLAY, some silt (tan-grey mottling)(moist) 12-16" Tan-olive SILT, trace clay, trace f-m gravel (wet) 16 -20 Reddish brown-purple CLAY, little silt, (grey mottled (moist)	20	8-9'	0.0	3 4 4 7	
	10							

AECOM

HTW DRILLING LOG

HOLE NO. MW-36D

PROJECT: Former Scott Aviation Facility BCP

SHEET 2 OF SHEETS 2

1. LOCATION: Lancaster, New York

21. NAME OF INSPECTOR: Dino Zack

2. COMPANY: AECOM

22. SIGNATURE OF INSPECTOR:

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	10		0-24" reddish brown-purple CLAY, trace silt, trace f-m gravel (plastic-moist)	24	NA	0.0	3 4 6 6	
	12		0-24" reddish brown-purple CLAY, trace silt, trace f-m gravel (moist, very plastic)	24	NA	0.0	5 6 5 5	
	14		0-24" reddish brown-purple CLAY, little grey silt layers (moist-plastic)	24	NA	0.0	2 2 2 4	
	16		0-18" reddish brown-purple CLAY, little grey silit layers, trace f-m gravel (wet-moist) 18-20" shale fragments in shoe, grey f-c sand and f-m gravel, trace silt (moist)	20	NA	0.0	5 9 25 Refusal	Auger to 18'
	18		0-4" medium grey f-c sand, some f-m gravel, trace silt, rock fragments (wet)	4	NA	0.0	8 1 3 6	
	20		0-6" medium grey f-c sand, some f-m gravel, trace silt, rock fragments (wet) Refusal - Bottom of borehole @ 21'	6	NA	0.0	Refusal	
	22							
	23							

AECOM

HTW DRILLING LOG

HOLE NO. MW-37D

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION: South area in woods	SHEET: 1 OF SHEETS: 2	
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 0	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: 1	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: 687.6 ft AMSL	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 5/28/2010	18. DATE HOLE COMPLETED: 5/28/2010	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: 7 ft		
6. NAME OF DRILLER: Ron Brown	19. WEATHER: Cloudy, 65F		
7. THICKNESS OF OVERBURDEN: 20 ft	20. DISPOSITION OF HOLE:		
8. DEPTH DRILLED INTO ROCK: NA ft	21. NAME OF INSPECTOR: Dino Zack		
9. TOTAL DEPTH OF HOLE: 20 ft	22. SIGNATURE OF INSPECTOR:		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	1		0-7" Topsoil 7-21" tan with reddish brown mottling, SILT, little clay, (moist)	21	NA	0.0	1 1 3 4	
	2		0-19" Reddish brown with grey/tan mottling, SILT, little clay, (dry-moist)	19	NA	0.0	7 7 8 9	
	4		0-18" Reddish brown with tan mottling, SILT and CLAY, (moist)	18	NA	0.0	4 4 7 7	
	6		0-14" Reddish brown with tan mottling SILT and CLAY, (moist) 14-16" tan SILT, trace clay (wet) 16-21" Reddish brown with tan mottling CLAY, some silt, thin grey silt layers, (moist) Sample 6-7'	24	6-7'	0.0	7 9 9 2	
	8		0-24" Reddish brown SILT, little clay light grey silt layers interbedded, (dry-moist)	24	NA	0.0	3 4 7 9	
	10							

AECOM

HTW DRILLING LOG

HOLE NO. MW-37D

PROJECT: Former Scott Aviation Facility BCP			SHEET 2 OF SHEETS 2
1. LOCATION: Lancaster, New York		21. NAME OF INSPECTOR: Dino Zack	
2. COMPANY: AECOM		22. SIGNATURE OF INSPECTOR	

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	10		0-24" Reddish brown CLAY, little silt, trace f. gravel (moist)	24	NA	0.0	3 5 6 8	
	12		0-24" purple-reddish brown CLAY, trace silt, trace f. gravel, (moist), very plastic	24	NA	0.0	7 8 8 9	
	14		0-24" purple-reddish brown with grey silt/f.sand layer, CLAY, trace silt, (moist)	24	NA	0.0	1 1 2 2	
	16		0-24" reddish brown CLAY and SILT, f. sand and silt layers interbedded increasing to bottom - color change to grey to bottom, moist - wetter to bottom	24	NA	0.0	4 4 4 5	
	18		0-22" medium grey CLAY and SILT (very moist), soft, trace f-c sand and gravel 22-24" medium grey f-c sand, trace silt, little rock chips (dry) Bottom of Borehole @ 20'	24	NA	0.0	1 3 7 13	
	20							
	22							

AECOM

HTW DRILLING LOG

HOLE NO. MW-38D

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION: Center area edge of lawn	SHEET: 1 OF 2	SHEETS
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 0	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: 1	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: 687.5 ft AMSL	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 6/3/2010	18. DATE HOLE COMPLETED: 6/3/2010	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: 8 ft		
6. NAME OF DRILLER: Ron Brown	19. WEATHER: Cloudy 75F		
7. THICKNESS OF OVERBURDEN: 21 ft	20. DISPOSITION OF HOLE:		
8. DEPTH DRILLED INTO ROCK: NA ft	21. NAME OF INSPECTOR: Dino Zack		
9. TOTAL DEPTH OF HOLE: 21 ft	22. SIGNATURE OF INSPECTOR:		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	1		0-7" brown-black TOPSOIL (moist) 7-17" reddish brown SILT, little organics, trace clay, (moist)	17	0-0.2'	0.0	1 2 3 3	
	2 3		0-22" reddish brown-tan-grey mottled SILT, little clay, trace f-m gravel (dry-moist)	22	NA	0.0	2 6 6 7	
	4 5		0-24" reddish brown, tan-grey-olive motled SILT, little clay (moist) wet silt layers 1" @ 24" (45ppm)	24	NA	45.0	3 4 4 7	
	6 7		0-10" olive grey SILT (wet) (45ppm) 10-24" reddish brown - olive mottled SILT, trace clay, trace f. gravel (moist) PID - 0-243, 243 @ 7' bgs	24	NA	243.0	7 9 9 12	
	8 9 10		0-9" Reddish brown-olive mottled SILT, little clay (moist) max PID = 45.2 ppm 9-10" tan-grey f. sand, trace silt (wet), 110 ppm 10-24" reddish brown - purple SILT, some clay, trace gravel (moist-plastic), PID = 45 to 5ppm @ 24"	24	NA	110.0	4 8 8 10	

AECOM

HTW DRILLING LOG

HOLE NO. MW-38D

PROJECT: Former Scott Aviation Facility BCP		SHEET: 2 OF 2 SHEETS	
1. LOCATION: Lancaster, New York		21. NAME OF INSPECTOR: Dino Zack	
2. COMPANY: AECOM		22. SIGNATURE OF INSPECTOR	

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	10		0-14" reddish brown - purple CLAY, trace silt, trace f-m gravel (moist) plastic	14	NA	0.0	1 1 3 4	
	12		0-24" reddish brown-purple CLAY, trace silt, trace f-m gravel (moist), 4.5ppm @ 6" in silt layer - 0 in remainder of sample	24	NA	4.5	7 9 9 12	
	14		refusal - rock in shoe - auger to 16'	0	NA	NA	NA NA NA NA	
	16		0-24" reddish brown-purple CLAY, trace silt, trace gravel (moist), 3.4ppm @ 17" iin thin silt layer (grey, moist) 0.0ppm in rest of core	24	NA	3.4	47 4 4 4	
	18		0-10" reddish brown purple SILT and CLAY, little f-m gravel (moist) 10-15" Dark grey SILT and rock chips (wet)	15	NA	0.0	12 4 6 7	
	20		0-4" Dark grey SILT and granite chips (moist) Refusal - Bottom of borehole @ 21'	4	NA	0.0	12/20	
	22							
	23							

AECOM

HTW DRILLING LOG

HOLE NO. MW-39D

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION: South area in brush	SHEET: 1 OF 2	
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 0	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: 1	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: 687.4 ft AMSL	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 6/3/2010	18. DATE HOLE COMPLETED: 6/3/2010	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: 6 ft		
6. NAME OF DRILLER: Ron Brown	19. WEATHER: Cloudy 75F		
7. THICKNESS OF OVERBURDEN: 20 ft	20. DISPOSITION OF HOLE:		
8. DEPTH DRILLED INTO ROCK: NA ft	21. NAME OF INSPECTOR: Dino Zack		
9. TOTAL DEPTH OF HOLE: 20 ft	22. SIGNATURE OF INSPECTOR:		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	1		0-7" Dark brown TOPSOIL, moist 7-10" brown topsoil grading to CLAYEY SILT (moist) 10-12" reddish brown mottled with brown CLAYEY SILT (moist)	12	NA	0.0	1 3 3 4	
	2		0-24" reddish brown SILTY, little clay thin grey silt interbeds increases to bottom (moist)	24	NA	1.1	8 8 9 10	1.1 ppm @ 3-4'
	4		0-24" reddish brown SILTY CLAY (moist) - more wet @ bottom, (18-20" grey SILT layer (moist-wet)) collect samples @ 5-6"	24	5-6'	4.1	3 5 7 7	4.1ppm @ 5-6'
	6		0-6" reddish brown - tan SILT, some clay (wet) 0-1.1 PID 6-12" reddish brown-tan mottled SILT, some clay, rey silt think interbeds (moist)	24	NA	4.0	9 9 9 9	4.0 ppm @ 8'
	8		0-18" reddish brown CLAY, little silt, trace gravel (moist) 18-24" reddish brown to purple CLAY, some silt (grey interbeds), trace gravel (moist)	24	NA	0.0	3 3 3 6	
	10							

AECOM

HTW DRILLING LOG

HOLE NO. MW-39D

PROJECT: Former Scott Aviation Facility BCP

SHEET 2 OF SHEETS 2

1. LOCATION: Lancaster, New York

21. NAME OF INSPECTOR: Dino Zack

2. COMPANY: AECOM

22. SIGNATURE OF INSPECTOR:

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	10		0-8" Grey SILT (wet) 8-24" reddish brown, slighly purple CLAY, little silt, trace gravel (moist)	24	NA	0.0	3 5 6 8	
	12		0-24" reddish brown to purple CLAY, little-trace silt, trace gravel (moist), plastic	24	NA	0.0	4 5 6 7	
	14		0-24" reddish brown - slightly purple CLAY, little grey silt interbeds (moist)	24	NA	0.0	2 3 2 4	
	16		0-24" reddish brown-purple CLAY, little grey silt interbeds (wet @ 6-8"), moist and very soft/plastic	24	NA	0.0	3 3 4 6	
	18		0-20" reddish brown-purple SILT and CLAY, trace rey silt layers (moist) 20-24" grey SILT and f-c GRAVEL, little f. sand (wet-moist)	24	NA	0.0	2 2 7 5	
	20		Bouncing Spoon - shale Bottom of Borehole @ 20'	1	NA	0.0		
	22							
	23							

AECOM

HTW DRILLING LOG

HOLE NO. MW-40D

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION: East area in lawn	SHEET 1 OF 2	
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 0	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: 1	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: 689.5 ft AMSL	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 6/2/2010	18. DATE HOLE COMPLETED: 6/2/2010	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: 9 ft		
6. NAME OF DRILLER: Ron Brown	19. WEATHER: Sunny, 80F		
7. THICKNESS OF OVERBURDEN: 22.8 ft	20. DISPOSITION OF HOLE:		
8. DEPTH DRILLED INTO ROCK: NA ft	21. NAME OF INSPECTOR: Tamara Raby		
9. TOTAL DEPTH OF HOLE: 22.8 ft	22. SIGNATURE OF INSPECTOR:		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	1		0-6" brown SILT, organics (grass), TOPSOIL	6	NA	0.1	3 6 3 7	
	2		brown F-C SAND & F-GRAVEL, dry	0	NA	0.1	3 6 3 5	* very small volume in spoon
	4		0-19" brown with grey to orangish brown mottling F-C SAND & F-GRAVEL, (moist), stiff, more moisture with depth	19	NA	0.2	4 5 7 7	
	6		0-22" Same as above, less mottling with depth, trace f-m sand (moist)	22	NA	0.3	8 9 9 9	
	8		0-24" Same as above, potentially groundwater at 11-18" (~9-9.5' bgs (<1MM). Bottom 1' observe start of pinkish brown coloration	24	NA	9.7	4 4 5 7	
	10							

AECOM

HTW DRILLING LOG

HOLE NO. MW-40D

PROJECT: Former Scott Aviation Facility BCP

SHEET 2 OF SHEETS 2

1. LOCATION: Lancaster, New York

21. NAME OF INSPECTOR: Tamara Raby

2. COMPANY: AECOM

22. SIGNATURE OF INSPECTOR:

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	10		0-22" Same as above, more plastic, trace f. gravel	22	NA	4.0	3 3 3 3	
	12		0-24" Same as above, pinkish grey, trace grey silt lenses	24	NA	1.2	5 7 8 9	
	14		0-18" Same as above	18	NA	3.7	2 3 4 5	
	16		0-24" Same as above, several v.f. sand lenses bottom 6" *grey to pinkish brown layering	24	NA	0.1	5 5 5 5	
	18		0-24" Same as above - less grey colored layering	24	NA	0.2	3 3 4 5	
	20		0-24" Same as above - more grey, trace rounded gravel	24	NA	0.3	2 3 4 6	
	22		0-8" Same as above - plastic, soft, saturated 8-9" broken black shale. Bottom of borehole @ 22.8'	9	NA	0.2	12 50/0.3	
	23							

AECOM

HTW DRILLING LOG

HOLE NO. MW-41B2

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION: Center area in brush	SHEET: 1 OF 3	
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 4	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: 1	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: 687.8 ft AMSL	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 5/27/2010	18. DATE HOLE COMPLETED: 5/27/2010	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: NA		
6. NAME OF DRILLER: Ron Brown	19. WEATHER: Sunny, 85F		
7. THICKNESS OF OVERBURDEN: 21.5 ft	20. DISPOSITION OF HOLE:		
8. DEPTH DRILLED INTO ROCK: 3.3 ft	21. NAME OF INSPECTOR: Dino Zack		
9. TOTAL DEPTH OF HOLE: 34.8 ft	22. SIGNATURE OF INSPECTOR:		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	1		0-4" brown TOPSOIL (dry-moist) 4-9" medium grey mottled to fine SILT, some clay, trace gravel, (moist)	9	0-0.2'	0.0	2 3 3 3	
	2 3		0-17" medium grey, slighly mottled, SILT and CLAY (dry-moist)	17	NA	0.0	4 5 7 8	
	4 5		0-18" medium grey with tan/rust mottling, SILTY, some clay (moist), PID increases with depth.	18	NA	14.2	3 3 5 6	
	6 7		0-18" medium grey with tan/rust mottling, SILT, little clay (moist), wet at 3". Highest PID (34ppm) @ 6" - collected sample.	18	6-7'	34.0	3 5 8 9	
	8 9		0-19" medium grey, slight tan mottled SILT, little clay (moist) wet @ 6" & 8" Collected geotech sample	19	NA	14.0	2 5 7 10	
	10							

AECOM

HTW DRILLING LOG

HOLE NO. MW-41B2

PROJECT		SHEET		SHEETS
Former Scott Aviation Facility BCP		2	OF	3
1. LOCATION	21. NAME OF INSPECTOR			
Lancaster, New York	Dino Zack			
2. COMPANY	22. SIGNATURE OF INSPECTOR			
AECOM				

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	10		0-17" purple-reddishbrown CLAY, little silt (moist)	17	NA	0.0	2 3 4 6	
	11							
	12		0-24" purple-reddish brown CLAY little silt layer, (moist)	24	NA	0.0	5 6 6 6	
	13							
	14		0-24" reddish brown CLAY, little silt layers (1-2mm thick every 1-2" - wet), (moist)	24	NA	0.0	2 3 5 5	
	15							
	16		0-18" reddish brown to grey CLAY with f. sand and silt interbeds every 2-3" wet at interbeds - clay is moist.	18	NA	0.0	2 4 4 5	
	17							
	18		0-19" reddish brown and grey CLAY with f. sand and silt interbeds (moist) little f-m gravel at bottom of interval.	19	NA	0.0	3 4 5 7	
	19		Collect geotech sample					
	20		0-6" reddish brown and grey CLAY and SILT little f-c sand, trace gravel (wet-moist) 6-15" dark grey SILT and shale fragments some f-c sand, (wet)	15	NA	0.0	1 3 5 4	
	21		Auger Refusal @ 21.5'. Fractured rock 21.5-22'. Competent rock @ 22'					
	22		Rock Socket installed - Bottom of Borehole @ 24.8'					
	23							

AECOM

HTW DRILLING LOG

HOLE NO. MW-41B2

PROJECT	SHEET	OF	SHEETS
Former Scott Aviation Facility BCP	3	OF	3

1. LOCATION	21. NAME OF INSPECTOR
Lancaster, New York	Dino Zack
2. COMPANY	**22. SIGNATURE OF INSPECTOR**
AECOM	

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	24		Run #1 (24.8' - 28.3') Black shale. RQD=79% 3.8" Mechanical break (MB) 5.5" MB 4.25" MB 6.5" MB 2.0" MB 0.5" possible fractured zone 6.0" MB 3.5" MB	33		0.0		
	28		Run #2 (28.3' - 33.3') Black shale. RQD=98% 4.5" MB 7.0" MB 3.0" MB 7.0" MB 1.5" possible fractured zone 3.5" MB 6.0" MB 5.5" MB 9.0" diagonal fracture 8.0" MB 3.7" MB 2" MB	60.7		0.0		
	33		Run #3 (33.3' - 34.8') Black shale. RQD=100% 4.5" MB 7.0" MB 3.0" MB 7.0" MB	21.5		0.0		
	35		Ream corehole with 4" roller bit to 34.8'					
	37							

AECOM

HTW DRILLING LOG

HOLE NO. **MW-42S**

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION: South of Plant 1	SHEET 1 OF SHEETS 2	
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 0	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: No soil samples	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: 688.7 ft AMSL	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 3/28/2011	18. DATE HOLE COMPLETED: 3/28/2011	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: NA		
6. NAME OF DRILLER: Ron Brown	19. WEATHER: Sunny, 32F		
7. THICKNESS OF OVERBURDEN: NA ft	20. DISPOSITION OF HOLE:		
8. DEPTH DRILLED INTO ROCK: NA ft	21. NAME OF INSPECTOR: Dino Zack		
9. TOTAL DEPTH OF HOLE: 15 ft	22. SIGNATURE OF INSPECTOR: Dino J. Zack		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	1		0-5" med brown FILL (f-m gravel, some silt, little f-c sand) (moist)	5	NA	0.0	7 7 4 2	
	2		0-4" med brown FILL (f-m gravel, little f-c sand, little silt (moist) 4-20" tan-reddish brown SILT, little clay, trace vf grey sand (moist)	20	NA	0.0	3 4 3 3	
	4		0-22" tan- reddish brown SILT, little clay, trace m gravel, trace vf grey sand (dry/moist)	22	NA	0.0	3 8 7 9	
	6		0-14" tan- reddish brown SILT, little clay, trace m gravel, trace vf grey sand (dry/moist)	14	NA	0.0	4 7 9 10	
	8		0-22" reddish brown SILT, little clay, trace f-m gravel (moist) very stiff	22	NA	0.0-10.1	6 9 14 16	highest PID at 11"
	10							

AECOM

HTW DRILLING LOG

HOLE NO. MW-42S

PROJECT: Former Scott Aviation Facility BCP

SHEET 2 OF SHEETS 2

1. LOCATION: Lancaster, New York

21. NAME OF INSPECTOR: Dino Zack

2. COMPANY: AECOM

22. SIGNATURE OF INSPECTOR: Dino D. Zack

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	10		0-22" reddish brown SILT, little clay, trace f-m gravel (moist) very stiff 18-22" color change to dark reddish/purple brown	22	NA	0.3-14.7	3 9 12 14	highest PID at 12"
	12		0-24" dark purple brown SILT, little clay, trace f-m gravel (moist) soft and pliable	24	NA	0.0-14.2	15 19 18 18	highest PID at 10"
	14		0-12" dark purple brown SILT, some clay, trace f-m gravel (moist) soft and pliable Bottom of borehole at 15'	12	NA	0.0	3 3	
	15							
	16							
	17							
	18							
	19							
	20							
	21							
	22							
	23							

AECOM

HTW DRILLING LOG

HOLE NO. MW-43S

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION: South of Plant 1	SHEET: 1 OF 2	SHEETS: 2
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 0	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: No soil samples	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: 689.6 ft AMSL	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 3/28/2011	18. DATE HOLE COMPLETED: 3/28/2011	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: NA		
6. NAME OF DRILLER: Ron Brown	19. WEATHER: Sunny, 32F		
7. THICKNESS OF OVERBURDEN: NA ft	20. DISPOSITION OF HOLE:		
8. DEPTH DRILLED INTO ROCK: NA ft	21. NAME OF INSPECTOR: Dino Zack		
9. TOTAL DEPTH OF HOLE: 15 ft	22. SIGNATURE OF INSPECTOR: Dino D. Zack		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	1		0-6" dark grey FILL (f-m gravel and f-c sand) (moist)	6	NA	1.6	9 8 6 5	highest PID at 6"
	2		0-14" dark grey FILL (f-c sand and wood fragments and f-m gravel, little silt) (moist)	12	NA	0.5	3 2 1 3	
	4		0-2" dark grey FILL (f-c sand and wood fragments and f-m gravel, little silt) (moist)	2	NA	0.0	2 0 0 0	
	6		0-12" reddish brown SILT, little clay, trace f-m gravel (moist) 12-20" olive-tan SILT, trace clay (moist)	20	NA	0.0	1 5 8 8	
	8		0-24" reddish brown SILT, little clay, some tan-olive silt interbeds (moist)	24	NA	0.0	4 7 8 10	
	10							

AECOM

HTW DRILLING LOG

HOLE NO. MW-43S

PROJECT: Former Scott Aviation Facility BCP

SHEET 2 OF SHEETS 2

1. LOCATION: Lancaster, New York

21. NAME OF INSPECTOR: Dino Zack

2. COMPANY: AECOM

22. SIGNATURE OF INSPECTOR: Dino D. Zack

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	10		0-24" reddish brown SILT, little clay, some tan-olive silt interbeds (moist)	24	NA	0.0	5 6 8 8	
	12		0-12" reddish brown SILT, little clay, some tan-olive silt interbeds (moist) 12-24" reddish brown SILT and CLAY, (moist) very pliable	24	NA		5 9 8 9	
	14		0-12" reddish brown SILT and CLAY, trace f-m gravel, trace tna-olive SILT interbeds (moist) very pliable	12	NA		2 2	
	15		End of boring at 15"					
	16							
	17							
	18							
	19							
	20							
	21							
	22							
	23							

AECOM

HTW DRILLING LOG

HOLE NO. MW-44S

PROJECT: Former Scott Aviation Facility BCP	10. HOLE LOCATION: South of Plant 1	SHEET: 1 OF 2	
1. LOCATION: Lancaster, New York	11. NO. OF OVERBURDEN GEOTECH SAMPLES: 0	DISTURBED: NA	UNDISTURBED: NA
2. COMPANY: AECOM	12. SAMPLES FOR CHEMICAL ANALYSIS: No soil samples	13. Total Number of Core Boxes: NA	
3. DRILLING COMPANY: QISI	14. SURFACE ELEVATION AT HOLE: 689.6 ft AMSL	15. ELEVATION DATUM: NAD83	
4. MANUFACTURER'S DESIGNATION OF DRILL: 2009 Diedrich D-50 ATV	17. DATE HOLE STARTED: 5/19/2011	18. DATE HOLE COMPLETED: 5/19/2011	
5. SIZE AND TYPE OF EQUIPMENT: 2009 Diedrich D-50 ATV	16. DEPTH OF GROUNDWATER ENCOUNTERED: 6 ft		
6. NAME OF DRILLER: Mike Evenden	19. WEATHER: Coludy, 66F		
7. THICKNESS OF OVERBURDEN: NA ft	20. DISPOSITION OF HOLE		
8. DEPTH DRILLED INTO ROCK: NA ft	21. NAME OF INSPECTOR: Dino Zack		
9. TOTAL DEPTH OF HOLE: 15 ft	22. SIGNATURE OF INSPECTOR: Dino J. Zack		

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	1		0-2" GRAVEL (moist)	2	NA	0.0	4 3 2 2	
	2		0-14" reddish brown SILT, little clay, trace fine gravel, stiff (moist)	14	NA	0.0	7 12 15 17	
	4		0-13" reddish brown SILT, little clay, stiff (moist)	13	NA	0.0	4 6 7 9	
	6		0-9" reddish brown SILT, little clay, stiff (moist) 9-14" fine-coarse GRAVEL (wet) 14-24" reddish brown SILT, little clay, stiff (moist)	24	NA	0.0	12 14 19 20	
	8		0-24" reddish brown SILT, some clay, trace very fine sand interbeds (moist)	24	NA	0.0	4 7 12 18	
	10							

AECOM

HTW DRILLING LOG

HOLE NO. MW-44S

PROJECT: Former Scott Aviation Facility BCP

SHEET 2 OF SHEETS 2

1. LOCATION: Lancaster, New York

21. NAME OF INSPECTOR: Dino Zack

2. COMPANY: AECOM

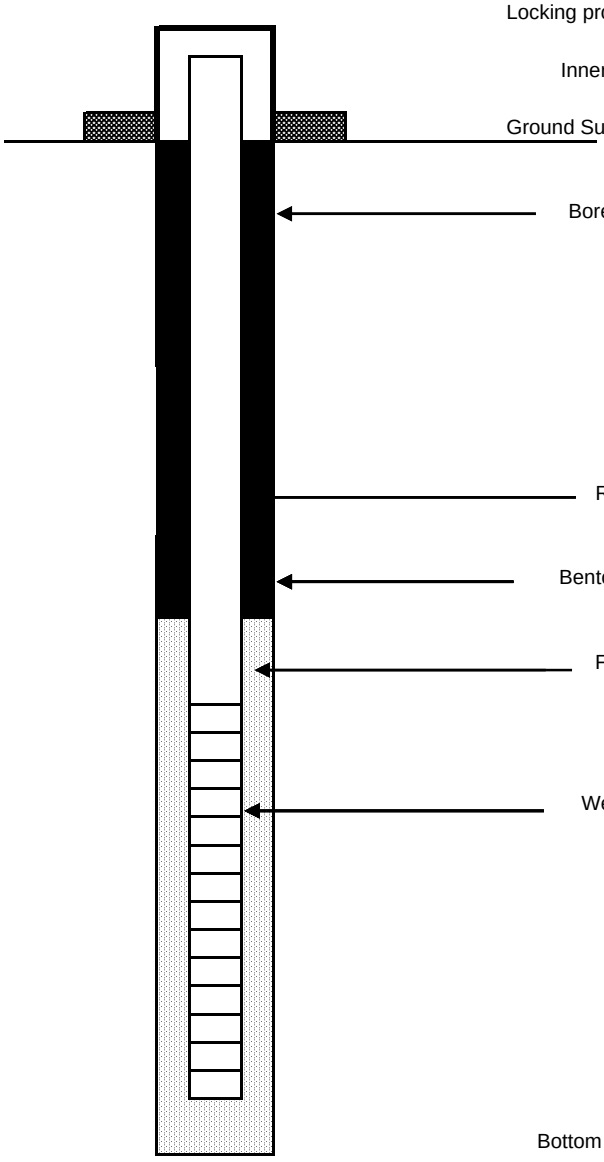
22. SIGNATURE OF INSPECTOR: Dino D. Zack

ELEV-ATION	DEPTH (FEET)	LEGEND	CLASSIFICATION OF MATERIAL	REC. (in.)	SAMPLE No. (TIME)	PID (ppm)	BLOW COUNT	REMARKS
	10		0-20" reddish brown SILT and CLAY, grading to dark purple brown SILT and CLAY at 10" (moist)	20	NA	0.0	3 9 12 16	
	12		0-24" dark purple brown SILT and CLAY, pliable (moist)	24	NA	0.0	14 14 14 14	
	14		0-20" dark purple brown SILT and CLAY, pliable (moist) End of boring at 15"	20	NA	0.0	3 3	
	15							
	16							
	17							
	18							
	19							
	20							
	21							
	22							
	23							

AECOM

Overburden Well Diagram **Well No. TP-1**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 688.0 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		5.50
Casing Elevation: 688.35 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		dry
Datum: NGVD 1988	Date of Completion: 6/4/2010			



Locking protective stickup with concrete pad, three bollards

Inner casing stickup 0.0 ft to 0.35 ft

Ground Surface

Borehole diameter 4.0 inches
(hand auger)

Riser Pipe from -2.9 ft to 0.35 ft

Bentonite seal from -2.9 ft to 0.0 ft

Filter pack from -5.4 ft to -2.9 ft

Sand Size #0

Well screen from -5.4 ft to -2.9 ft

Diameter 1 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -5.4 ft

Bottom of Borehole at -5.4 ft

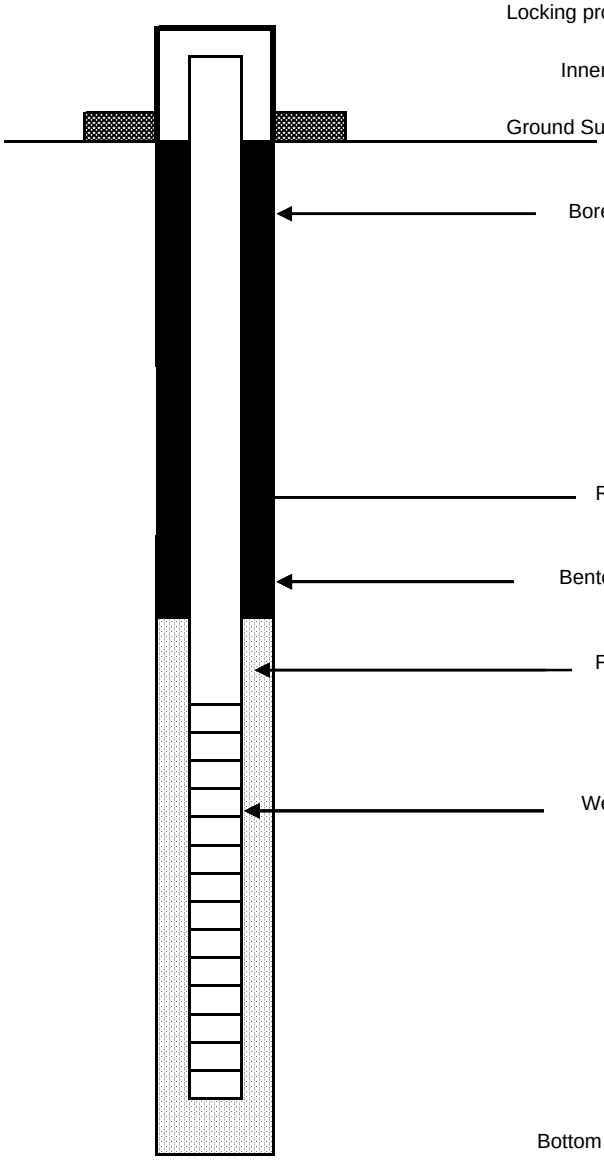
Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. TP-2**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 687.4 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		3.00
Casing Elevation: 688.92 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		4.20
Datum: NGVD 1988	Date of Completion: 6/4/2010			



Locking protective stickup with concrete pad, three bollards

Inner casing stickup 0.0 ft to 1.52 ft

Ground Surface

Borehole diameter 4.0 inches
(hand auger)

Riser Pipe from -1.5 ft to 1.52 ft

Bentonite seal from -1.5 ft to 0.0 ft

Filter pack from -4.0 ft to -1.5 ft

Sand Size #0

Well screen from -4.0 ft to -1.5 ft

Diameter 1 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -4.0 ft

Bottom of Borehole at -4.0 ft

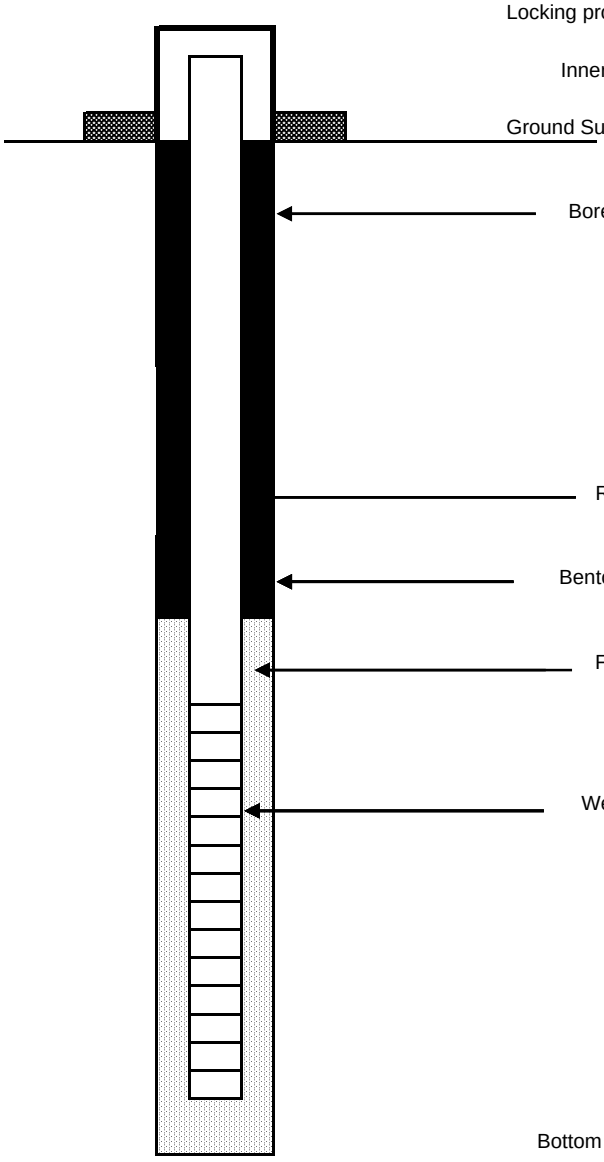
Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. TP-3**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 687.4 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		4.45
Casing Elevation: 688.54 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		dry
Datum: NGVD 1988	Date of Completion: 6/4/2010			



Locking protective stickup with concrete pad, three bollards

Inner casing stickup 0.0 ft to 1.14 ft

Ground Surface

Borehole diameter 4.0 inches
(hand auger)

Riser Pipe from -1.4 ft to 1.14 ft

Bentonite seal from -1.4 ft to 0.0 ft

Filter pack from -3.9 ft to -1.4 ft

Sand Size #0

Well screen from -3.9 ft to -1.4 ft

Diameter 1 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -3.9 ft

Bottom of Borehole at -3.9 ft

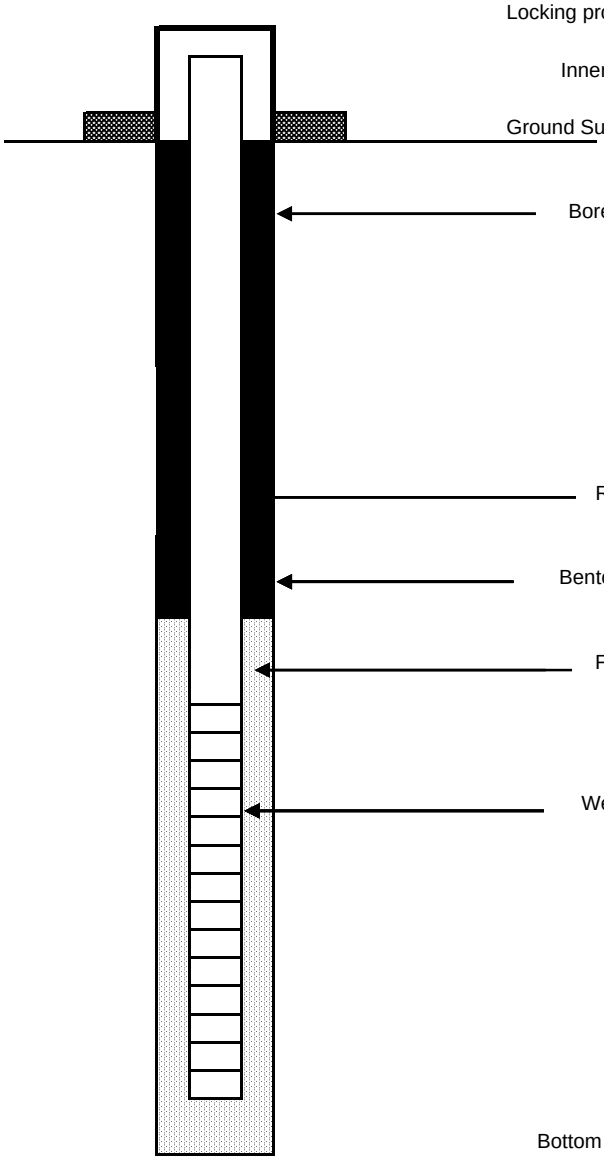
Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. TP-4**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 687.2 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		4.32
Casing Elevation: 689.07 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		dry
Datum: NGVD 1988	Date of Completion: 6/4/2010			



Locking protective stickup with concrete pad, three bollards

Inner casing stickup 0.0 ft to 1.87 ft

Ground Surface

Borehole diameter 4.0 inches
(hand auger)

Riser Pipe from -1.0 ft to 1.87 ft

Bentonite seal from -1.0 ft to 0.0 ft

Filter pack from -3.5 ft to -1.0 ft

Sand Size #0

Well screen from -3.5 ft to -1.0 ft

Diameter 1 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -3.5 ft

Bottom of Borehole at -3.5 ft

Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

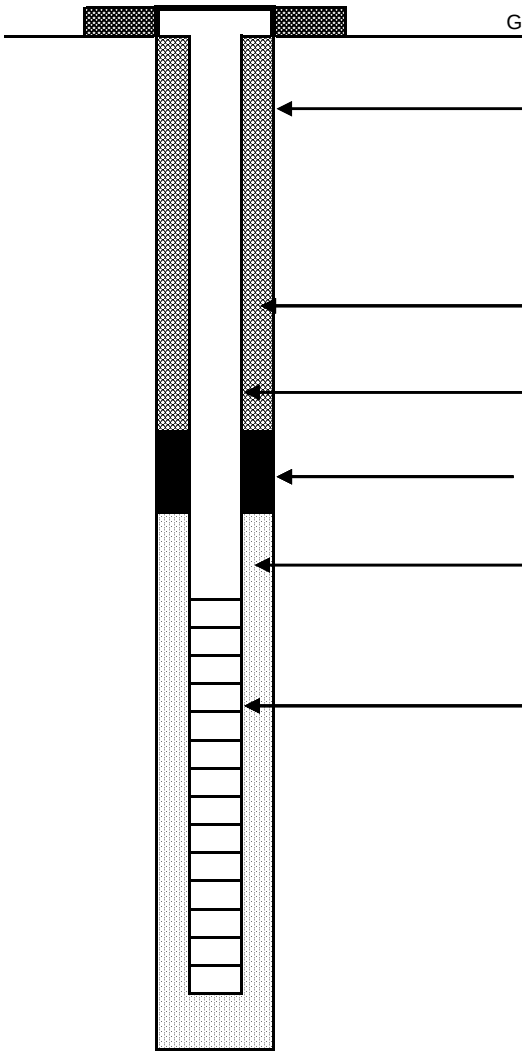
(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. MW-35S**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 689.1 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		1.84
Casing Elevation: 688.56 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		5.7
Datum: NAD83	Date of Completion: 5/26/2010			

Flush mount completion with concrete pad and locking J plug.



Ground Surface

Borehole diameter 8.0 inches
(4.25 inch ID HSA)

Cement-bentonite grout from -2.0 ft to 0.0 ft

Riser Pipe from -5.0 ft to 0.0 ft

Bentonite seal from -4.0 ft to -2.0 ft

Filter pack from -5.0 ft to -4.0 ft

Sand Size #0

Well screen from -15.0 ft to -5.0 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -15.0 ft

Bottom of Borehole at -15.0 ft

Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

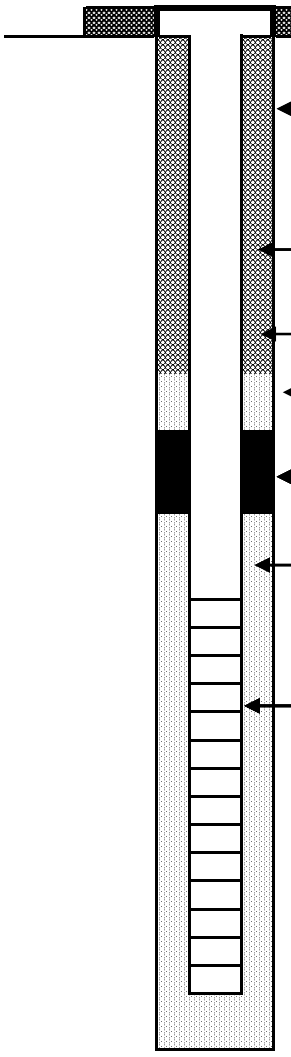
(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. MW-35D**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 688.9 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		8.00
Casing Elevation: 688.40 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		7.77
Datum: NAD83	Date of Completion: 5/26/2010			

Flush mount completion with concrete pad and locking J plug.



Ground Surface

Borehole diameter 8.0 inches
(4.25 inch ID HSA)

Cement-bentonite grout from -17.0 ft to 0.0 ft

Riser Pipe from -21.0 ft to 0.0 ft

Choke sand -18.0 ft to -17.0 ft

Bentonite seal from -20.0 ft to -18.0 ft

Filter pack from -26.0 ft to -20.0 ft

Sand Size #0

Well screen from -26.0 ft to -21.0 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -26.0 ft

Bottom of Borehole at -26.0 ft

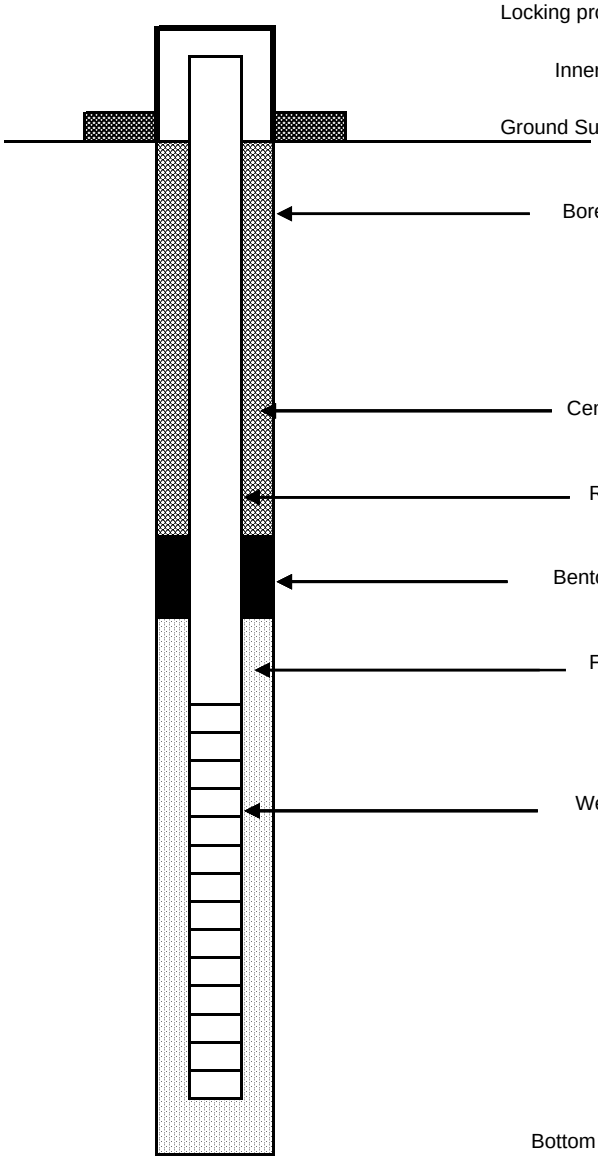
Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. MW-36S**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 687.1 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		3.00
Casing Elevation: 689.82 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		5.25
Datum: NAD83	Date of Completion: 6/4/2010			



Locking protective stickup with concrete pad

Inner casing stickup 0.0 ft to 2.72 ft

Ground Surface

Borehole diameter 8.0 inches
(4.25 inch ID HSA)

Cement-bentonite grout from -2.0 ft to 0.0 ft

Riser Pipe from -5.0 ft to 2.72 ft

Bentonite seal from -4.0 ft to -2.0 ft

Filter pack from -15.0 ft to -4.0 ft

Sand Size #0

Well screen from -15.0 ft to -5.0 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -15.0 ft

Bottom of Borehole at -15.0 ft

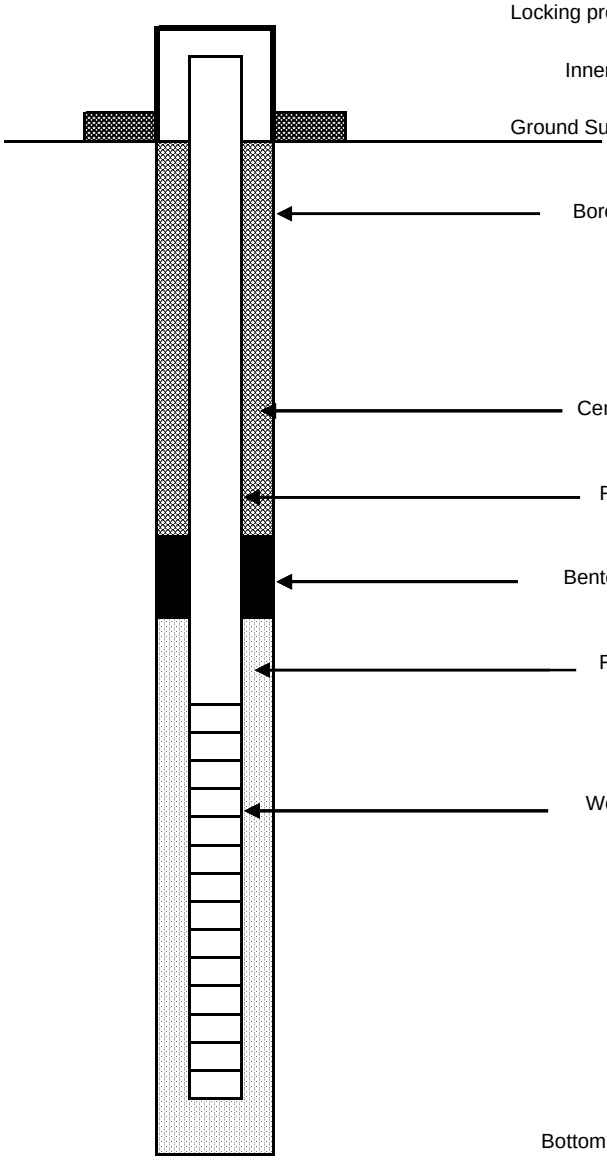
Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. MW-36D**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 687.1 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		5.30
Casing Elevation: 689.66 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		6.08
Datum: NGVD 1988	Date of Completion: 6/4/2010			



Locking protective stickup with concrete pad

Inner casing stickup 0.0 ft to 2.56 ft

Ground Surface

Borehole diameter 8 inches
(4.25 inch ID HSA)

Cement-bentonite grout from -14.0 ft to 0.0 ft

Riser Pipe from -16.0 ft to 2.56 ft

Bentonite seal from -14.0 ft to -16.0 ft

Filter pack from -16.0 ft to -21.0 ft

Sand Size #0

Well screen from -21.0 ft to -16.0 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -21.0 ft

Bottom of Borehole at -21.0 ft

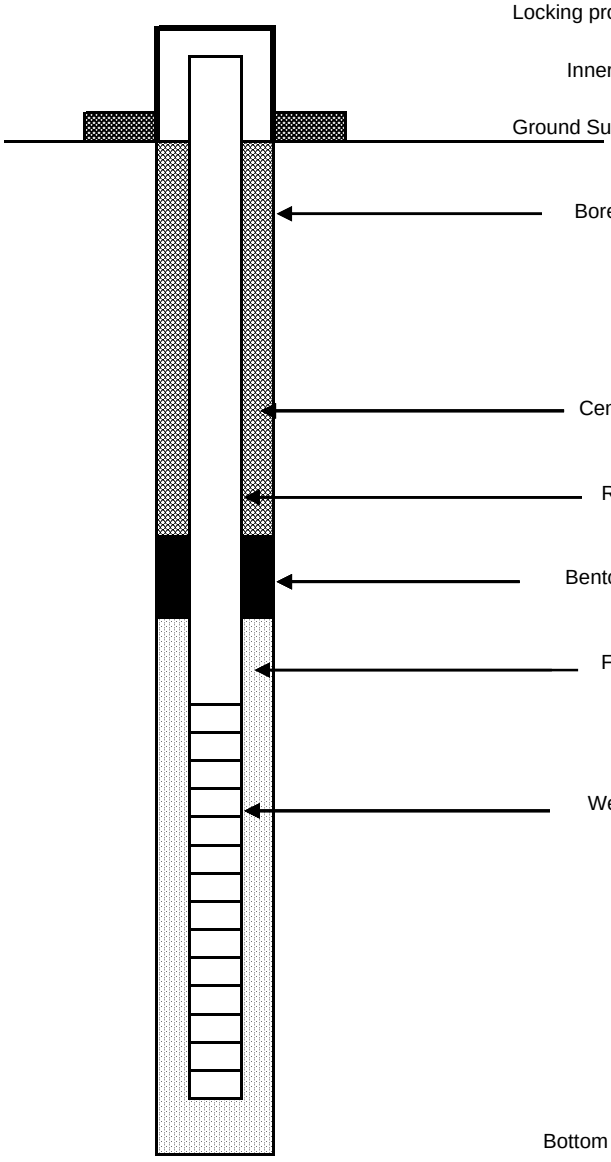
Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. MW-37S**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 687.4 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		3.50
Casing Elevation: 690.10 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		5.25
Datum: NAD83	Date of Completion: 5/28/2010			



Locking protective stickup with concrete pad

Inner casing stickup 0.0 ft to 2.70 ft

Ground Surface

Borehole diameter 8.0 inches
(4.25 inch ID HSA)

Cement-bentonite grout from -2.5 ft to 0.0 ft

Riser Pipe from -4.5 ft to 2.70 ft

Bentonite seal from -4.5 ft to -2.5 ft

Filter pack from -14.5 ft to -4.5 ft

Sand Size #0

Well screen from -14.5 ft to -4.5 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -14.5 ft

Bottom of Borehole at -14.5 ft

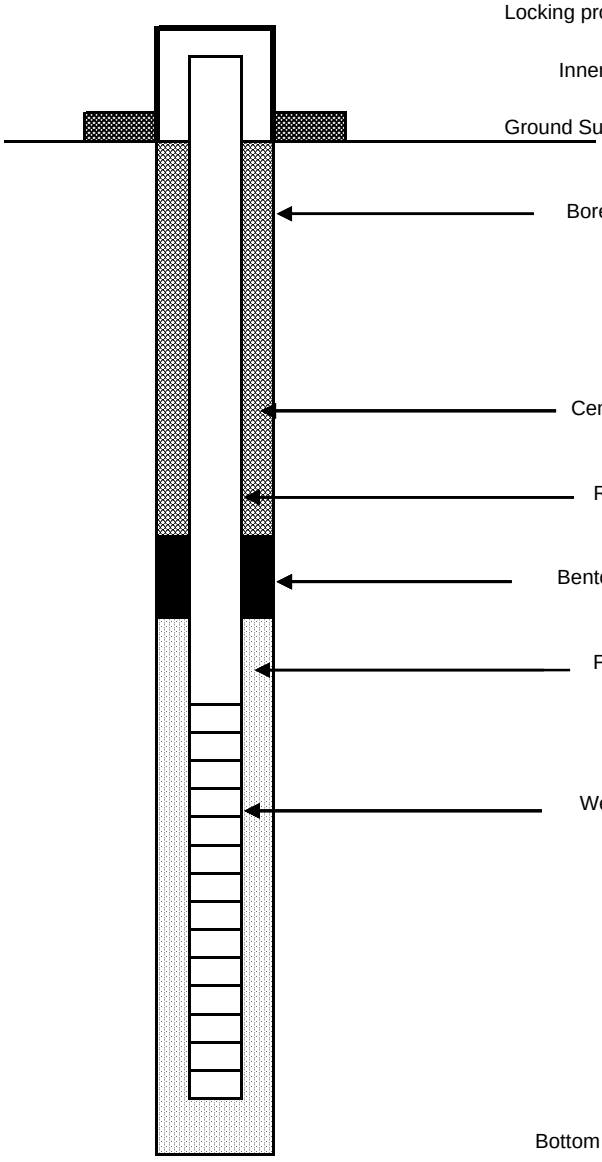
Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. MW-37D**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 687.6 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		4.20
Casing Elevation: 690.05 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		5.30
Datum: NGVD 1988	Date of Completion: 5/28/2010			



Locking protective stickup with concrete pad, three bollards

Inner casing stickup 0.0 ft to 2.45 ft

Ground Surface

Borehole diameter 8.0 inches
(4.25 inch ID HSA)

Cement-bentonite grout from -13.0 ft to 0.0 ft

Riser Pipe from -15.0 ft to 2.45 ft

Bentonite seal from -15.0 ft to -13.0 ft

Filter pack from -20.0 ft to -15.0 ft

Sand Size #0

Well screen from -20.0 ft to -15.0 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -20.0 ft

Bottom of Borehole at -20.0 ft

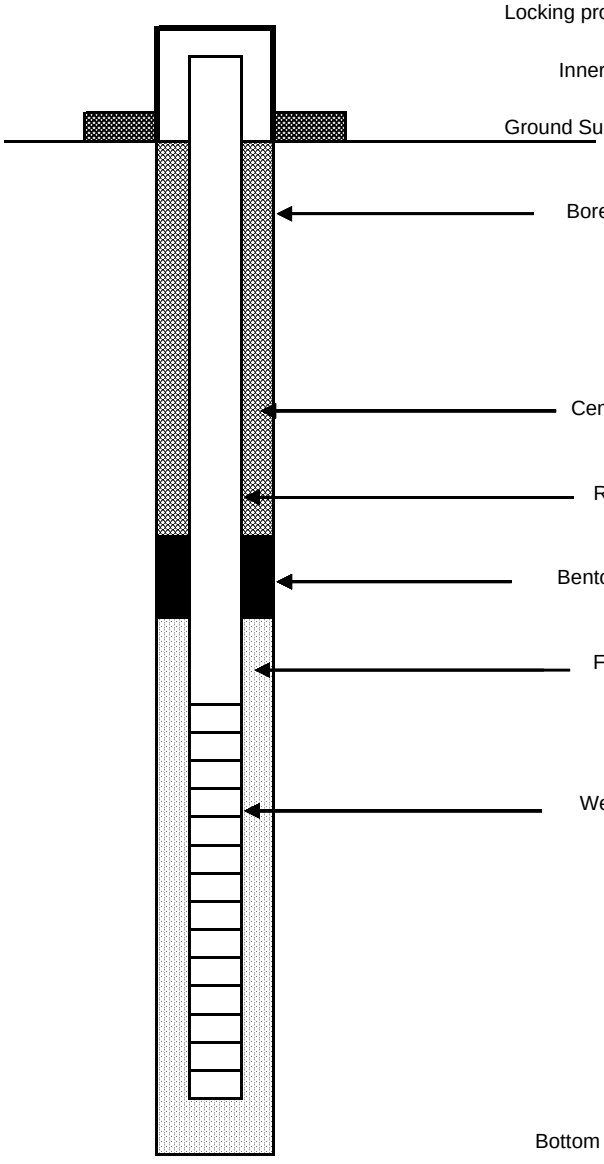
Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. MW-38D**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 687.5 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		5.70
Casing Elevation: 689.66 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		6.28
Datum: NGVD 1988	Date of Completion: 6/3/2010			



Locking protective stickup with concrete pad, three bollards

Inner casing stickup 0.0 ft to 2.16 ft

Ground Surface

Borehole diameter 8.0 inches
(4.25 inch ID HSA)

Cement-bentonite grout from -14.0 ft to 0.0 ft

Riser Pipe from -16.0 ft to 2.16 ft

Bentonite seal from -16.0 ft to -14.0 ft

Filter pack from -21.0 ft to -16.0 ft

Sand Size #0

Well screen from -21.0 ft to -16.0 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -21.0 ft

Bottom of Borehole at -21.0 ft

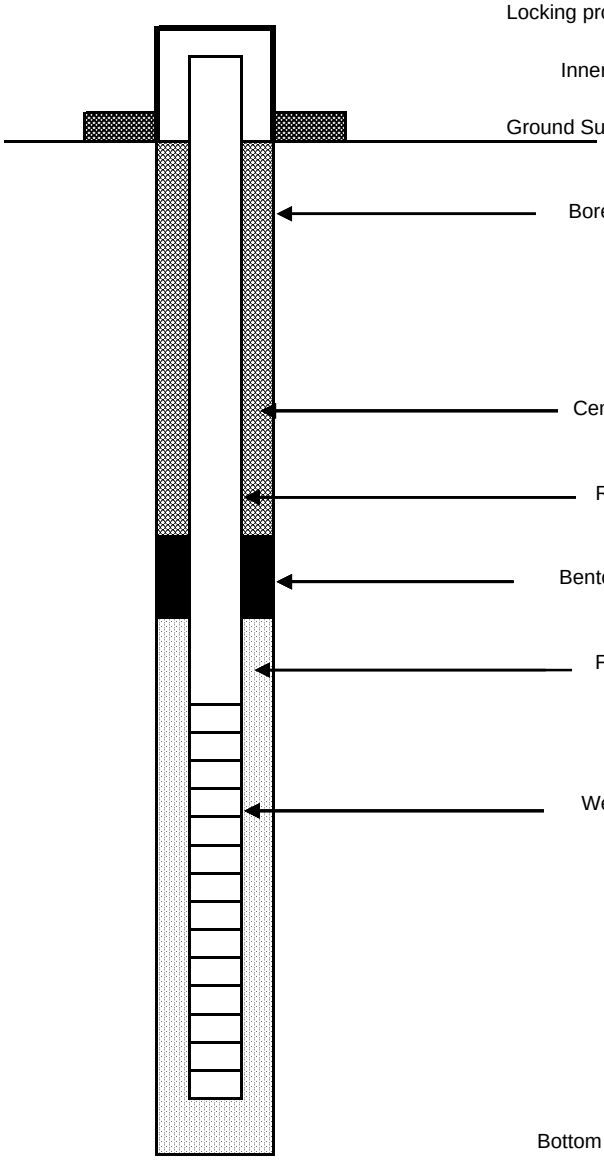
Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. MW-39D**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 687.4 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		3.85
Casing Elevation: 689.72 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		4.94
Datum: NGVD 1988	Date of Completion: 6/3/2010			



Locking protective stickup with concrete pad, three bollards

Inner casing stickup 0.0 ft to 2.32 ft

Ground Surface

Borehole diameter 8.0 inches
(4.25 inch ID HSA)

Cement-bentonite grout from 0.0 ft to -12.0 ft

Riser Pipe from -15.0 ft to 2.32 ft

Bentonite seal from -12.0 ft to -14.0 ft

Filter pack from -14.0 ft to -20.0 ft

Sand Size #0

Well screen from -15.0 ft to -20.0 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -20.0 ft

Bottom of Borehole at -20.0 ft

Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

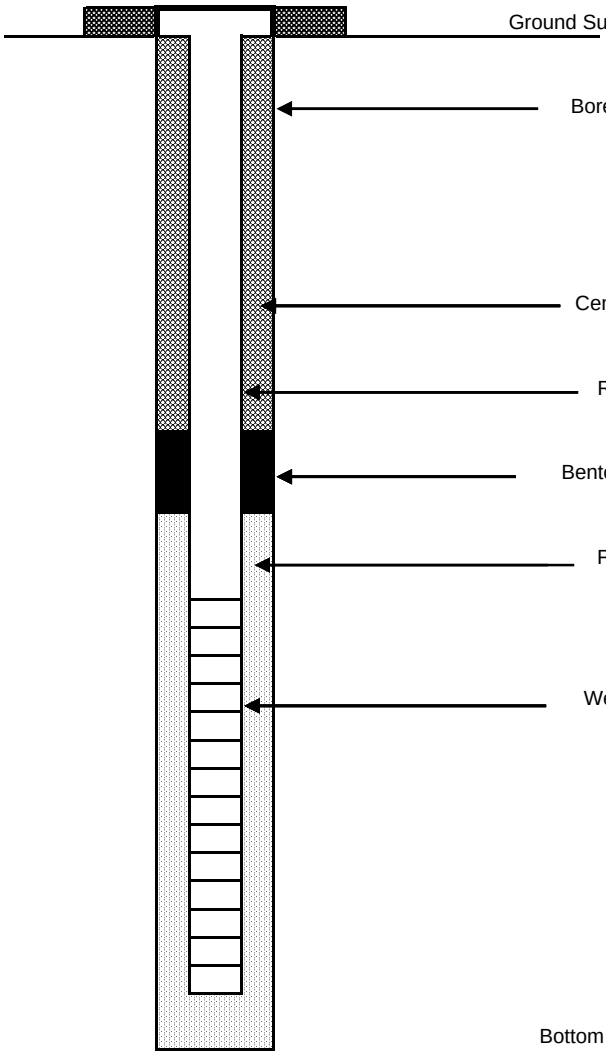
(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. MW-40D**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 689.5 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		3.33
Casing Elevation: 689.19 ft AMSL	AECOM Rep.: Tamara Raby	8/2/10		4.34
Datum: NGVD 1988	Date of Completion: 6/2/2010			

Flush mount completion with concrete pad and locking J plug.



Ground Surface

Borehole diameter 8 inches
(4.25 inch ID HSA)

Cement-bentonite grout from -14.8 ft to 0.0 ft

Riser Pipe from -17.8 ft to 0.0 ft

Bentonite seal from -16.8 ft to -14.8 ft

Filter pack from -22.8 ft to -16.8 ft

Sand Size #0

Well screen from -22.8 ft to -17.8 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -22.8 ft

Bottom of Borehole at -22.8 ft

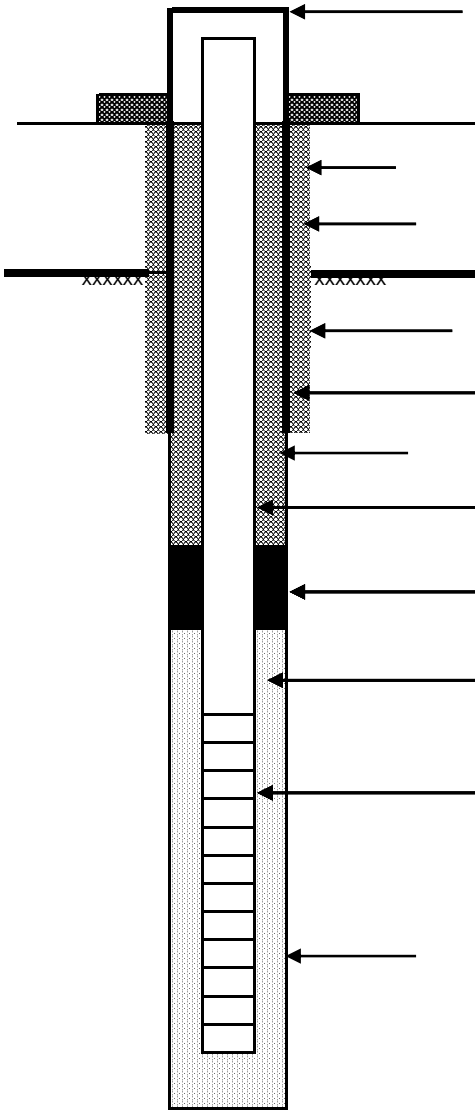
Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

(NOT TO SCALE)

AECOM

Bedrock Well Diagram **Well No. MW-41B**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 687.8 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		9.20
Casing Elevation: 689.78 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		9.50
Datum: NGVD 1988	Date of Completion: 6/1/2010			



Locking protective stickup with concrete pad				
Inner casing stickup	0.0	ft to	2.0	ft
Ground Surface				
Overburden borehole diameter	10.25	inches		
Cement-bentonite grout from	-24.8	ft to	0.0	ft
Top of Bedrock	-22.0	ft bgs		
Bedrock socket diameter	10.25	inches		
4-inch ID steel casing	-24.8	ft to	2.22	ft
Cement-bentonite grout from	-22.8	ft to	0.0	ft
Riser Pipe from	-24.8	ft to	1.98	ft
Bentonite seal from	-24.8	ft to	-22.8	ft
Filter pack from	-34.8	ft to	-24.8	ft
Sand Size	#0			
Well screen from	-34.8	ft to	-24.8	ft
Diameter	2	inches		
Slot size	0.01	inches		
Type	PVC			
Bedrock borehole diameter	4.0	inches		
Bottom Cap at	-34.8	ft		
Bottom of Borehole at	-34.8	ft		

Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

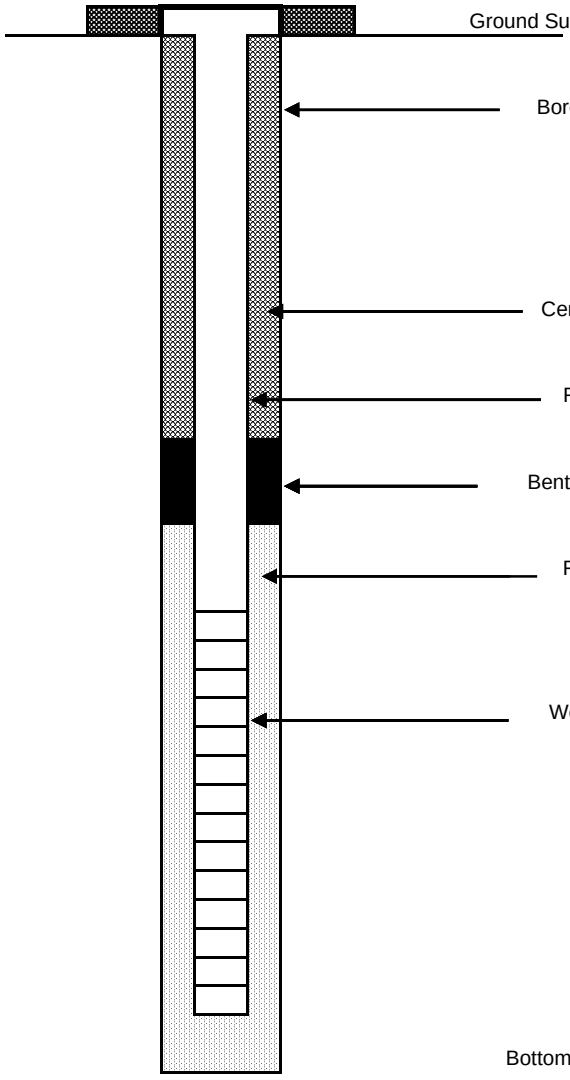
(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. A1-GP12S**

Project: Former Scott Aviation Facility BC	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 689.5 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/18/10		2.28
Casing Elevation: 689.50 ft AMSL	AECOM Rep.: Dino Zack	8/2/10		2.98
Datum: NGVD 1988	Date of Completion: 5/27/2010			

Flush mount completion with concrete pad and locking J plug.



Ground Surface

Borehole diameter 8 inches
(4.25 inch ID HSA)

Cement-bentonite grout from -2.0 ft to 0.0 ft

Riser Pipe from -5.0 ft to 0.0 ft

Bentonite seal from -4.0 ft to -2.0 ft

Filter pack from -5.0 ft to -4.0 ft

Sand Size #0

Well screen from -15.0 ft to -5.0 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -15.0 ft

Bottom of Borehole at -15.0 ft

Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

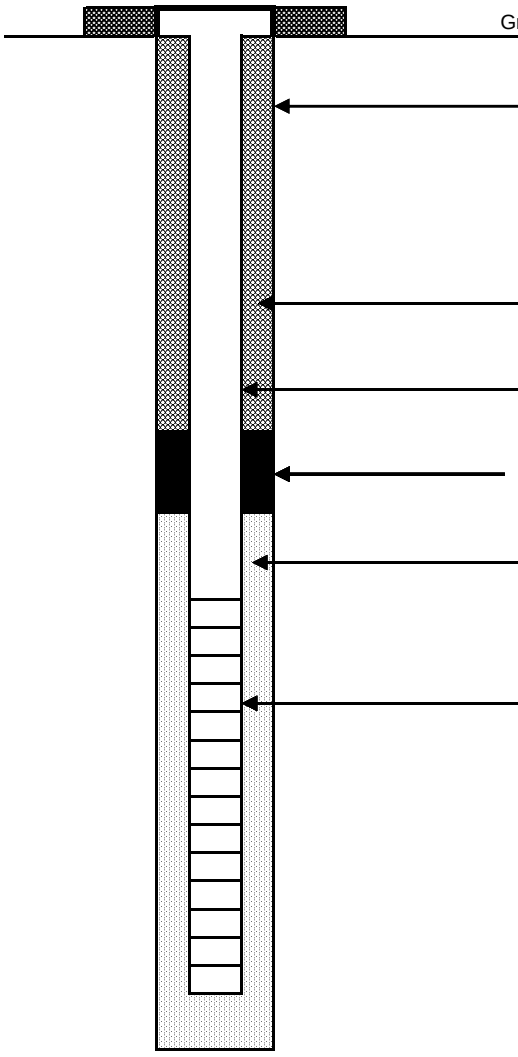
(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. MW-42S**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 689.7 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	4/7/11		10.90
Casing Elevation: 689.08 ft AMSL	AECOM Rep.: Dino Zack	6/1/11		1.15
Datum: NAD83	Date of Completion: 3/28/2011			

Flush mount completion with concrete pad and locking J plug.



Ground Surface

Borehole diameter 8 inches
(4.25 inch ID HSA)

Cement-bentonite grout from -2.0 ft to 0.0 ft

Riser Pipe from -5.0 ft to 0.6 ft

Bentonite seal from -4.0 ft to -2.0 ft

Filter pack from -15.0 ft to -4.0 ft

Sand Size #0

Well screen from -15.0 ft to -5.0 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -15.0 ft

Bottom of Borehole at -15.0 ft

Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

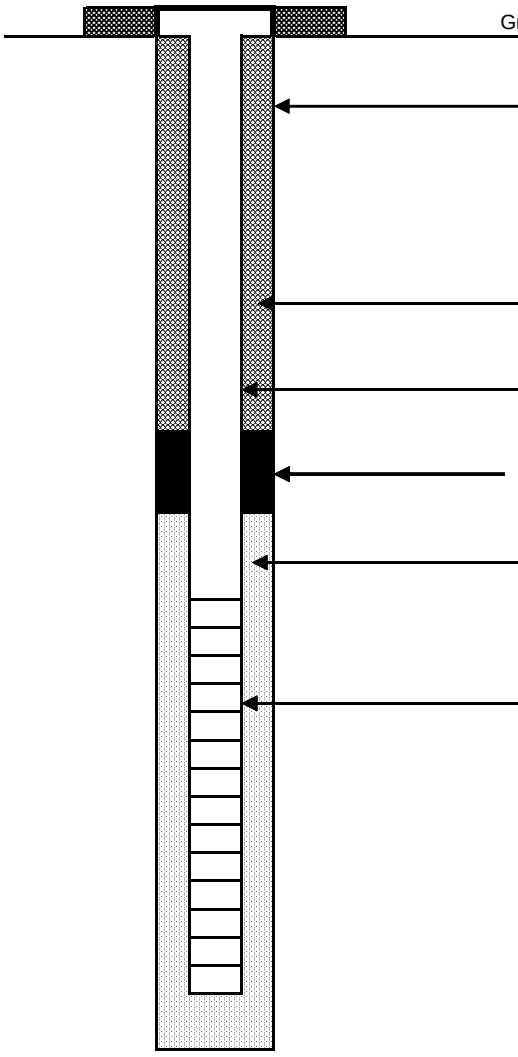
(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. MW-43S**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 689.6 ft AMSL	Driller: Ron Brown	Date	Time	Depth
Top of PVC	Well Permit No.: NA	4/7/11		2.60
Casing Elevation: 689.14 ft AMSL	AECOM Rep.: Dino Zack	6/1/11		2.65
Datum: NAD83	Date of Completion: 3/28/2011			

Flush mount completion with concrete pad and locking J plug.



Ground Surface

Borehole diameter 8 inches
(4.25 inch ID HSA)

Cement-bentonite grout from -2.0 ft to 0.0 ft

Riser Pipe from -5.0 ft to 0.5 ft

Bentonite seal from -4.0 ft to -2.0 ft

Filter pack from -15.0 ft to -4.0 ft

Sand Size #0

Well screen from -15.0 ft to -5.0 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -15.0 ft

Bottom of Borehole at -15.0 ft

Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

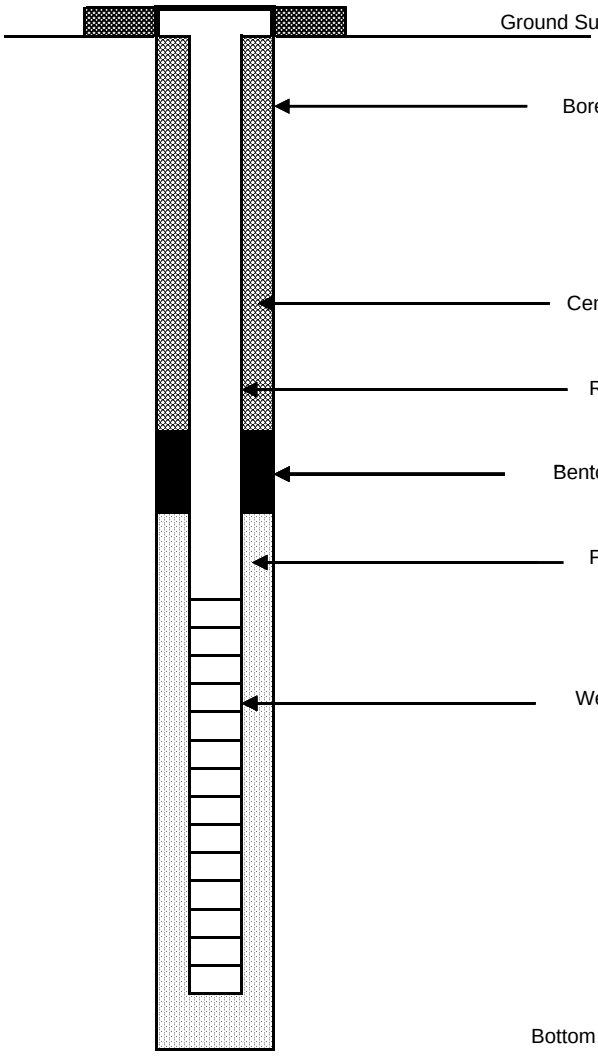
(NOT TO SCALE)

AECOM

Overburden Well Diagram **Well No. MW-44S**

Project: Former Scott Aviation Facility BCP	Location: Lancaster, NY	Page 1 of 1		
AECOM Project No.: 60155991	Subcontractor: QISI	Water Levels		
Surface Elevation: 689.4 ft AMSL	Driller: Mike Evenden	Date	Time	Depth
Top of PVC	Well Permit No.: NA	6/1/11		4.15
Casing Elevation: 688.98 ft AMSL	AECOM Rep.: Dino Zack			
Datum: NAD83	Date of Completion: 5/19/2011			

Flush mount completion with concrete pad and locking J plug.



Ground Surface

Borehole diameter 8 inches
(4.25 inch ID HSA)

Cement-bentonite grout from -2.0 ft to 0.0 ft

Riser Pipe from -5.0 ft to 0.4 ft

Bentonite seal from -3.0 ft to -1.0 ft

Filter pack from -15.0 ft to -3.0 ft

Sand Size #0

Well screen from -15.0 ft to -5.0 ft

Diameter 2 inches
Slot size 0.01 inches
Type PVC

Bottom Cap at -15.0 ft

Bottom of Borehole at -15.0 ft

Note: All measurements based on ground surface at 0.0 feet. (+) above grade. (-) below grade.

(NOT TO SCALE)

APPENDIX D – EXCAVATION WORK PLAN (EWP)

EXCAVATION WORK PLAN

D-1 NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination, the site owner or their representative will notify the NYSDEC. Table 1 includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of site-related contact information is provided in Appendix B.

Table 1: Notifications*

Name	Contact Information
Mr. Glenn May	716-851-7220 glenn.may@dec.ny.gov
Ms. Kelly Lewandowski	518-402-9553 kelly.lewandowski@dec.ny.gov

* Note: Notifications are subject to change and will be updated as necessary.

This notification will include:

- A detailed description of the work to be performed, including the location and areal extent of excavation, plans/drawings for site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control;
- A summary of environmental conditions anticipated to be encountered in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work;
- A summary of the applicable components of this EWP;
- A statement that the work will be performed in compliance with this EWP and 29 Code of Federal Regulation CFR 1910.120;

- A copy of the contractor's health and safety plan (HASP), in electronic format, if it differs from the HASP provided in Appendix H of this SMP;
- Identification of disposal facilities for potential waste streams; and
- Identification of sources of any anticipated backfill, along with all required chemical testing results.

D-2 SOIL SCREENING METHODS

Visual, olfactory and instrument-based (e.g. photoionization detector) soil screening will be performed by a qualified environmental professional during all excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed when invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the COC.

Soils will be segregated based on previous environmental data and screening results into material that requires off-site disposal and material that requires testing to determine if the material can be reused on-site as soil beneath a cover or if the material can be used as cover soil. Further discussion of off-site disposal of materials and on-site reuse is provided in Section D-6 of this Appendix.

D-3 SOIL STAGING METHODS

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC.

D-4 MATERIALS EXCAVATION AND LOAD-OUT

A qualified environmental professional or person under their supervision will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and remedial party (if applicable) and its contractors are responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under this SMP is posed by utilities or easements on the site.

Loaded vehicles leaving the site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements).

A truck wash will be operated on-site, as appropriate. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the site until the activities performed under this section are complete. Truck wash waters will be collected and disposed of off-site in an appropriate manner.

Locations where vehicles enter or exit the site shall be inspected daily for evidence of off-site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the site are clean of dirt and other materials derived from the site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to site-derived materials.

D-5 MATERIALS TRANSPORT OFF-SITE

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Material transported by trucks exiting the site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

Truck transport routes are as follows: Trucks will approach site via Erie Street from Walter Winter Road and load from either the AVOX visitor's parking lot or on the south side of AVOX Plant 1. All trucks loaded with site materials will exit the vicinity of the site using only these approved truck routes. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project site.

Egress points for truck and equipment transport from the site will be kept clean of dirt and other materials during site remediation and development.

Queuing of trucks will be performed on-site in order to minimize off-site disturbance. Off-site queuing will be prohibited.

D-6 MATERIALS DISPOSAL OFF-SITE

All material excavated and removed from the site will be treated as contaminated and regulated material and will be transported and disposed in accordance with all local,

State (including 6 NYCRR Part 360) and Federal regulations. If disposal of material from this site is proposed for unregulated off-site disposal (i.e., clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC. Unregulated off-site management of materials from this site will not occur without formal NYSDEC approval.

Off-site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e., hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, construction and demolition recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-site will be handled, at minimum, as a Municipal Solid Waste per 6 NYCRR Part 360-1.2. Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6 NYCRR Part 360-16 Registration Facility).

D-7 MATERIALS REUSE ON-SITE

The qualified environmental professional will ensure that procedures defined for materials reuse in this SMP are followed and that unacceptable material does not remain on-site. Contaminated on-site material, including historic fill and contaminated soil, that is acceptable for reuse on-site will be placed below the demarcation layer or impervious surface, and will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines.

Any demolition material proposed for reuse on-site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-site will not be performed without prior NYSDEC approval. Organic

matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the site will not be reused on-site.

D-8 FLUIDS MANAGEMENT

All liquids to be removed from the site, including but not limited to excavation dewatering, decontamination waters and groundwater monitoring well purge and development waters, will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the site, and will be managed off-site, unless prior approval is obtained from NYSDEC.

Discharge of water generated during large-scale construction activities to surface waters (i.e., a local pond, stream or river) will be performed under a State Pollutant Discharge Elimination System permit.

D-9 COVER SYSTEM RESTORATION

After the completion of soil removal and any other invasive activities, the cover system will be restored in a manner that complies with the decision document. The existing cover system is comprised of a minimum of 12 inches of clean soil, or asphalt pavement. The demarcation layer, consisting of orange snow fencing material, white geotextile or equivalent material will be replaced to provide a visual reference to the top of the remaining contamination zone, the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in this SMP. If the type of cover system changes from that which exists prior to the excavation (i.e., a soil cover is replaced by asphalt), this will constitute a modification of the cover element of the remedy and the upper surface of the remaining contamination. A figure showing the modified surface will be included in the subsequent Periodic Review Report and in an updated SMP.

D-10 BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the site will be approved by the qualified environmental professional and will be in compliance with provisions in this SMP prior to receipt at the site. A Request to Import/Reuse Fill or Soil form, which can be found at http://www.dec.ny.gov/regulations/67386.html, will be prepared and submitted to the NYSDEC project manager allowing a minimum of 5 business days for review.

Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the site.

All imported soils will meet the backfill and cover soil quality standards established in 6 NYCRR 375-6.7(d) for Unrestricted Use for VOCs and Commercial Use for all other compounds. Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this site, will not be imported onto the site without prior approval by NYSDEC. Solid waste will not be imported onto the site.

Trucks entering the site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

D-11 STORMWATER POLLUTION PREVENTION

Barriers and hay bale checks will be installed, and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional.

All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials.

Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the SMP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

Silt fencing or hay bales will be installed around the entire perimeter of the construction area.

D-12 EXCAVATION CONTINGENCY PLAN

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of analytes (TAL metals; TCL volatiles and semi-volatiles, TCL pesticides and PCBs), unless the site history and previous sampling results provide a sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone to NYSDEC’s Project Manager. Reportable quantities of petroleum product will also be

reported to the NYSDEC spills hotline. These findings will be also included in the Periodic Review Report.

D-13 OTHER NUISANCES

A plan for rodent control will be developed and utilized by the contractor prior to and during site clearing and site grubbing, and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.

APPENDIX E – QUALITY ASSURANCE PROJECT PLAN (QAPP)

Refer to the attached compact disk for the Quality Assurance Project Plan.

APPENDIX F – SITE MANAGEMENT FORMS

AECOM

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) _____
Field Personnel _____
Site Name **Former Scott Aviation Site - Lancaster, NY**
AECOM Job # _____
Well ID # _____
_____ Upgradient _____ Downgradient
Weather Conditions _____
Air Temperature _____ ° F
Total Depth (TWD) Below Top of Casing = _____ 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = _____ 1/100 ft
Length of Water Column (LWC) = TWD - DGW = _____ 1/100 ft
1 Casing Volume (OCV) = LWC x _____ = _____ gal
3 Casing Volumes = _____ gal
Method of Well Evacuation _____
Method of Sample Collection _____
Total Volume of Water Removed _____ liter

Casing Diameter _____ inches
Casing Material _____
Measuring Point Elevation _____ 1/100 ft
Height of Riser (above land surface) _____ 1/100 ft
Land Surface Elevation _____ 1/100 ft
Screened Interval (below land surface) _____ 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD

FIELD ANALYSES

Flow Rate (ml/min)								
Time (Military)								
Depth to Groundwater Below Top of Casing (ft)								
Drawdown (ft)								
pH (S.U.)								
Sp. Cond. (mS/cm)								
Turbidity (NTUs)								
Dissolved Oxygen (mg/L)								
Water Temperature (°C)								
ORP (mV)								

Physical appearance at start Color _____
Odor _____
Sheen/Free Product _____

Physical appearance at sampling Color _____
Odor _____
Sheen/Free Product _____

COMMENTS/OBSERVATIONS _____

New York State Department of Environmental Conservation
Division of Environmental Remediation

DAILY INSPECTION REPORT

Site Code #:	Date:	Report #:

Site Name:
Location:
PRP Proj. Mgr.:
DEC Proj. Mgr.:
Consultant Proj. Mgr.:
Proj. Contr.:
Site Phone & Fax:

	AM	PM
Weather		
Temperature		
Wind Speed & Direction		

Description of work performed by contr. this report period:

-

Discussions/comments regarding visitors, contractor and/or engineer:

-

Sampling and Analyses:

-

Major Issues	Description & Reason

Health & Safety:
Level of protection:

Is the level of protection in conformance with the approved Health & Safety Plan? Yes No
List deviations:

Are atmospheric monitoring results acceptable? Yes No
List deviations:

Site Visitors	Representing	Entered Exclusion Zone

Site Representative: **Date:**

Representative's signature:

Summary of Green Remediation Metrics for Site Management

Site Name: _____ Site Code: _____
Address: _____ City: _____
State: _____ Zip Code: _____ County: _____

Initial Report Period (Start Date of period covered by the Initial Report submittal)
Start Date: _____

Current Reporting Period
Reporting Period From: _____ To: _____

Contact Information
Preparer's Name: _____ Phone No.: _____
Preparer's Affiliation: _____

I. Energy Usage: Quantify the amount of energy used directly on-site and the portion of that derived from renewable energy sources.

	Current Reporting Period	**Total to Date**
Fuel Type 1 (e.g. natural gas (cf))		
Fuel Type 2 (e.g. fuel oil, propane (gals))		
Electricity (kWh)		
Of that Electric usage, provide quantity:		
Derived from renewable sources (e.g. solar, wind)		
Other energy sources (e.g. geothermal, solar thermal (Btu))		

Provide a description of all energy usage reduction programs for the site in the space provided on Page 3.

II. Solid Waste Generation: Quantify the management of solid waste generated on-site.

	Current Reporting Period (tons)	**Total to Date (tons)**
Total waste generated on-site		
OM&M generated waste		
Of that total amount, provide quantity:		
Transported off-site to landfills		
Transported off-site to other disposal facilities		
Transported off-site for recycling/reuse		

Reused on-site		

Provide a description of any implemented waste reduction programs for the site in the space provided on Page 3.

III. Transportation/Shipping: Quantify the distances travelled for delivery of supplies, shipping of laboratory samples, and the removal of waste.

	Current Reporting Period (miles)	**Total to Date (miles)**
Standby Engineer/Contractor		
Laboratory Courier/Delivery Service		
Waste Removal/Hauling		

Provide a description of all mileage reduction programs for the site in the space provided on Page 3. Include specifically any local vendor/services utilized that are within 50 miles of the site.

IV. Water Usage: Quantify the volume of water used on-site from various sources.

	Current Reporting Period (gallons)	**Total to Date (gallons)**
Total quantity of water used on-site		
Of that total amount, provide quantity:		
Public potable water supply usage		
Surface water usage		
On-site groundwater usage		
Collected or diverted storm water usage		

Provide a description of any implemented water consumption reduction programs for the site in the space provided on Page 3.

V. Land Use and Ecosystems: Quantify the amount of land and/or ecosystems disturbed and the area of land and/or ecosystems restored to a pre-development condition (i.e. Green Infrastructure).

	Current Reporting Period (acres)	**Total to Date (acres)**
Land disturbed		
Land restored		

Provide a description of any implemented land restoration/green infrastructure programs for the site in the space provided on Page 3.

Description of green remediation programs reported above (Attach additional sheets if needed)

Energy Usage:
Waste Generation:
Transportation/Shipping:
Water usage:
Land Use and Ecosystems:
Other:

CERTIFICATION BY CONTRACTOR
I, _____ (**Name**) do hereby certify that I am _____ (**Title**) of the Company/Corporation herein referenced and contractor for the work described in the foregoing application for payment. According to my knowledge and belief, all items and amounts shown on the face of this application for payment are correct, all work has been performed and/or materials supplied, the foregoing is a true and correct statement of the contract account up to and including that last day of the period covered by this application. _____ **Date** **Contractor**

APPENDIX G – FIELD ACTIVITIES PLAN

Refer to the attached compact disk for the Field Sampling Plan.

APPENDIX H – HEALTH AND SAFETY PLAN

Refer to the attached compact disk for the Health and Safety Plan.