BLOODY BROOK

ONONDAGA COUNTY

LIVERPOOL, NEW YORK

FINAL ENGINEERING REPORT

Prepared for:

Lockheed Martin Corporation
497 Electronics Parkway
Building EP-6, Room 100B
Liverpool, New York 13088

Prepared by:

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FEBRUARY 2018
Certifications

I, Nickcole Evans, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Action Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Action Work Plan, construction and restoration work plans, and field changes.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Action Work Plan and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established for the remedy.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, and that such plan has been approved by the Department.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the site are contained in Site Management Plan and that all affected local governments, have been provided with the Site Management Plan.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

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, Nickcole Evans, of AECOM 5015 Campuswood Drive Suite 104 East Syracuse, New York 13057, am certifying as Owner's Designated Site Representative for the site.

STATE OF NEW YORK
NICKCOLE M. EVANS
085978
LICENSED PROFESSIONAL ENGINEER

NYS Professional Engineer # 085978	February 23, 2018 Date	Nickcole M. Evans Signature

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List of Acronyms

CAMP	Community Air Monitoring Plan
COPC	Contaminant of Potential Concern
DER	Division of Environmental Remediation
DOT	Department of Transportation
DUSR	Data Usability Summary Report
EC	Engineering Control
FER	Final Engineering Report
GPM	Gallons per Minute
HASP	Health and Safety Plan
IC	Institutional Control
IRM	Interim Remedial Measure
MBBB	Middle Branch of Bloody Brook
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
OCDOH	Onondaga County Department of Health
OCDWEP	Onondaga County Department of Water Environment Protection
PCBs	Polychlorinated Biphenyls
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
SCO	Soil Cleanup Objective
SMP	Site Management Plan
TCLP	Toxicity Characteristic Leaching Procedure
TOC	Total Organic Carbon
VCA	Voluntary Cleanup Agreement
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound
WBBB	West Branch of Bloody Brook

1 Background and Site Description

1.1 Introduction

This Final Engineering Report (FER) is a required element of the remedial program for the Bloody Brook site located in Onondaga County, New York ("site"). See Figure 1. Lockheed Martin entered into a Voluntary Cleanup Agreement (VCA) with the New York State Department of Environmental Conservation (NYSDEC) on July 20, 2002 to investigate and remediate the site. At the time this FER was developed, the site was in the New York State (NYS) Voluntary Cleanup Program (VCP) Index No. D7-0001-01-09. As stated in a letter from NYSDEC to Lockheed Martin dated October 19, 2017, the NYS VCP will terminate on March 31, 2018. Following termination of the VCP, the site will continue to be regulated by NYSDEC using the Bloody Brook Site Management Plan (SMP).

Supporting documentation for the information provided in this FER is included in the appendices as referenced in the sections below.

1.2 Site Location and Description

The site is located in the Town of Salina, and a portion of the site is located in the Village of Liverpool, Onondaga County, New York. Site location and area maps are included as Figures 1 and 2, respectively. Final Record Drawings based on a 2017 topographic survey of the site after completion of all restoration activities are provided in Appendix A. For the purposes of this FER, the site is defined as the portion of the West Branch of Bloody Brook (WBBB) and Bloody Brook from below the confluence of the WBBB and Middle Branch of Bloody Brook (MBBB) and the surrounding area commencing on the southern boundary of the New York State Thruway (Thruway) and ending at Onondaga Lake Parkway[1]. Figure 2 shows the boundaries of the site.

Upstream of the site, the WBBB originates in a wetland area surrounded by industrial properties. This wetland is located between Vine Street and Crossroads Industrial Park. The WBBB flows southward and is routed through culverts that transmit the WBBB underneath Electronics Business Park and the Thruway. Downstream of the site, Bloody Brook flows under Onondaga Lake Parkway and discharges into Onondaga Lake. The WBBB and Bloody Brook obtains a substantial fraction of its flow from storm water runoff from surrounding areas and is contained within an Onondaga County Drainage District easement (Drainage District easement) shown on Figures 3A through 3G.

The site is approximately 5,000 feet long and flows through lands of varied use including a wooded area, a residential area, an apartment complex, and a commercial/light industrial area (Figure 2). Since the stream channel, adjacent land use, and Drainage District easement vary in each area, a description of the areas is presented below. The Bloody Brook SMP provides

[1] The term "site" in the VCA is defined as: a portion of the banks, surface waters and sediments of the West and Middle Branches of Bloody Brook located in the Town of Salina with a portion of the site located in the Village of Liverpool and commences downstream of Interstate 90, the New York State Thruway, and extends generally southward past the confluence of the West Branch and the Middle Branch of Bloody Brook creating Bloody Brook, and ends on the upstream side of Onondaga Lake Parkway. After examining data developed during remedial investigation work in the Middle Branch, NYSDEC determined that no further action was required for that branch of Bloody Brook. For this reason, the "site" in this FER relates only to those areas within the VCA site where the remedial program continues to be implemented and remedial action has been completed.

relevant detailed historical information, and Section 1.3 summarizes the investigations completed to characterize the site.

1.2.1 Stream Channel

The steam channel is relatively small in the upper section near the Thruway (approximately 4 to 6 feet wide, 1 to 2 feet deep) and increases in size (approximately 10 to 15 feet wide, 2 to 4 feet deep) below the WBBB and MBBB confluence and closer to Onondaga Lake Parkway. The stream channel south of the Thruway, included in the Drainage District easement, is located within segments of property owned by the Town of Salina, various private owners, and Onondaga County and is primarily used for storm water management.

1.2.2 Wooded Area

This portion of the site extends approximately 1,050 feet south and downstream of the Thruway and is undeveloped. This area is approximately 6.25 acres and is irregularly shaped and relatively wide (i.e., greater than 150 feet). The wooded area is entirely within the Drainage District easement and is owned by the Town of Salina. Storm water drainage from the surrounding development enters the WBBB from the west via a drainage channel at the southern end of the wooded area.

1.2.3 Residential Area

The residential area surrounds the wooded area commencing at the Thruway and extends along the WBBB to the downstream side of Floradale Road. The portion of the residential area that is directly adjacent to the WBBB (from the southern end of the wooded area to the downstream side of Floradale Road) is approximately 1,300 feet in length. In this area, the WBBB is located within the Drainage District easement on property owned by the Town of Salina and Onondaga County. The Drainage District easement is typically 40 feet wide in this area. Culverts transmit the WBBB beneath the road crossings at Brookview Lane, Sunflower Drive, and Floradale Road. In the residential area, residential properties abut the Drainage District easement. Many of these residences have fences installed on their properties which limit access and separate the Drainage District easement from the residential properties.

1.2.4 Apartment Complex Area

The apartment complex is located on Pearl Street and Town Gardens Drive between the residential properties along Floradale Road and the commercial properties along Old Liverpool Road. The apartment complex borders approximately 1,100 feet along the WBBB. In this area, the WBBB is located within the Drainage District easement on property owned by the apartment complex owner and the commercial/light industrial property owners. The Drainage District easement is typically 40 feet wide. Culverts transmit the WBBB under a paved apartment parking area at Pearl Street and the road crossing at Town Gardens Drive.

1.2.5 Commercial/Light Industrial Area

The commercial/light industrial area consists of portions of the commercial properties that are adjacent to the WBBB and Bloody Brook and located on Old Liverpool Road and Onondaga Lake Parkway. The commercial/light industrial properties borders approximately 1,100 feet along the WBBB and approximately 1,600 feet along Bloody Brook within the site boundary. In this area, the WBBB and Bloody Brook are located within the Drainage District easement on property owned by the apartment complex owner and/or the commercial/light industrial property owners. The Drainage District easement varies between 40 and 60 feet wide in this area. Culverts transmit the WBBB beneath the road crossing at Old Liverpool Road, the railroad tracks and Onondaga Lake Parkway.

1.3 Summary of Previous Investigations

Cadmium is a naturally occurring metallic element that is present throughout the environment in soil, plants, and animals. Cadmium has many uses in industry and is found in consumer products such as an ingredient in batteries, paint, metal coatings and plastics. Lockheed Martin examined records relating to historic manufacturing processes at the Electronics Park facility positioned upstream from the portion of the West Branch of Bloody Brook located within the site. These records show that cadmium was historically used at the Electronics Park facility, but no evidence was found of a cadmium release. While a direct connection between site conditions and the Electronics Park facility could not be identified, Lockheed Martin agreed to investigate and remediate the site under the New York State VCP.

Various investigations other than soil sampling have been completed at the site. Those investigations including biota, surface water, and sediment sampling along the WBBB and Bloody Brook have been performed by NYSDEC, Lockheed Martin, and Onondaga County from September 1994 through January 2008. Investigations of water quality and biota within the WBBB were initiated by NYSDEC in September 1994 (NYSDEC, 1996). In April 1996, NYSDEC shared the results of the 1994 investigations with Lockheed Martin. Lockheed Martin conducted sediment and surface water sampling from May 1996 through May 1999, and additional sediment sampling in January 2008 in support of a 2008 Interim Remedial Measure (IRM). An August 2012 report summarizing these data is provided in Appendix B of this FER. In addition to the biota, surface water, and sediment investigations, Lockheed Martin conducted soil sampling from November 2001 through September 2015. Lockheed Martin undertook these site investigations pursuant to a series of work plans approved by NYSDEC. Soil data are summarized in Tables 1A through 1D. Analytical laboratory reports for these data are provided in Appendix C, and Data Usability Summary Reports (DUSRs) are provided in Appendix D.

As requested by NYSDEC, early studies typically focused on polychlorinated biphenyls (PCBs), cadmium, copper, and mercury. In 1997 under NYSDEC oversight, Lockheed Martin removed all sediments from within the 200-foot long culvert beneath the Thruway and the adjacent downstream 750-foot segment of the WBBB (BBL, 1997). In January 1997, NYSDEC concluded that the concentrations of cadmium were elevated in the WBBB sediments, and PCBs, copper, and mercury did not pose a concern (NYSDEC, 1997). In 1999, a specific set of sediment samples was collected and analyzed for a more comprehensive list of organic and inorganic constituents. The results of the comprehensive analyses supported NYSDEC focus on cadmium, which became the contaminant of potential concern (COPC) for the site.

A detailed summary of the historical sampling and remedial investigation activities that were completed at the site is provided in the site SMP.

2 Remedial Action Objectives

Based on the results of the remedial investigations and as listed in the March 2014 Decision Document (NYSDEC, 2014), the following Remedial Action Objectives (RAOs) for soil and sediment were identified for this site.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.

RAOs for Environmental Protection

- Prevent impacts to biota from ingestion/direct contact with soil causing toxicity or impacts from bioaccumulation through the terrestrial food chain.

Sediment

RAOs for Public Health Protection

- Prevent direct contact with contaminated sediments.

RAOs for Environmental Protection

- Prevent impacts to biota from ingestion/direct contact with sediments causing toxicity or impacts from bioaccumulation through the marine or aquatic food chain.

- Restore sediments to pre-release/background conditions to the extent feasible.

2.1 Description of Selected Remedy

The site was remediated in accordance with the remedy selected by the NYSDEC (in consultation with the New York State Department of Health [NYSDOH]) in the Decision Document. The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy from the Decision Document. Additional details related to these components are provided in Section 4 of this FER.

1. A remedial design program was implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques were implemented to the extent feasible in the design, implementation, and site management of the remedy as per Department of Environmental Remediation (DER)-31. The major green remediation components were as follows:

    - Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;

    - Reducing direct and indirect greenhouse gases and other emissions;

    - Increasing energy efficiency and minimizing use of non-renewable energy;

- Conserving and efficiently managing resources and materials;

- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;

- Maximizing habitat value and creating habitat when possible;

- Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals; and

- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development.

2. Excavation and off-site disposal of contaminated soil and sediment, including:

   - all sediment from the WBBB and Bloody Brook, from below the confluence of the West and Middle Branches of Bloody Brook, between the New York State Thruway and the Onondaga Lake Parkway;

   - top 2 feet of side bank soil from the WBBB and Bloody Brook, from below the confluence of the West and Middle Branches of Bloody Brook, between the New York State Thruway and Old Liverpool Road, with the exception of the existing gabion-lined section (channel side banks were to be reconstructed with a minimum of two feet of clean cover material);

   - side bank soil from Bloody Brook between Old Liverpool Road and the Onondaga Lake Parkway that exhibit cadmium concentrations greater than 4 mg/kg (up to two feet below grade);

   - the wooded/wetland area (soils in the top two feet that exhibit cadmium concentrations greater than 4 mg/kg, and soils from two to six feet below grade that exhibit cadmium concentrations greater than 100 mg/kg);

   - residential properties (soils in the top two feet that exhibit cadmium concentrations greater than 2.5 mg/kg, and soils from two to four feet below grade that exhibit cadmium concentrations greater than 10 mg/kg);

   - apartment complex area (soils in the top two feet that exhibit cadmium concentrations greater than 4.3 mg/kg and soils from two to four feet below grade that exhibit cadmium concentrations greater than 10 mg/kg);

   - drainage district easement maintained by Onondaga County (soils in the top two feet that exhibit cadmium concentrations greater than 10 mg/kg); and

   - former drive-in theater area (soils in the top two feet that exhibit cadmium concentrations greater than 9.3 mg/kg where surface disposal of brook dredge spoils occurred).

   In the Decision Document, it was estimated that approximately 20,100 cubic yards of soil and 1,700 cubic yards of sediment would be removed from the site. Clean fill meeting the requirements of DER-10, Appendix 5, was to be imported to replace the excavated soil and sediment or complete the backfilling of the excavation and establish the designed grades at the site.

3. A site cover was placed to allow for pre-construction uses of the site and surrounding properties, including those currently zoned and used as residential, commercial, and industrial. The cover consists of soil in areas where the upper two to six feet of exposed soil

exceeded the applicable soil cleanup objectives (SCOs). Where the soil cover was required, it was to be a minimum of two feet of soil meeting the SCOs for cover material as set forth in DER-10, Appendix 5, for current uses of the site and surrounding properties. The soil cover was placed over a demarcation layer, with the upper six inches to 1 foot of the soil of sufficient quality to maintain a vegetation layer.

4. A SMP is required and has been developed, which includes the following:

   a) An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective.

      - The site institutional controls (ICs) require Lockheed Martin to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8(h)(3).

      - The site Engineering Controls (ECs) include the soil cover placed over excavated areas.

      - The IC/EC Plan included in the SMP incorporates the following:

        - an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;

        - a provision for further investigation to refine the extent of contamination in the following areas where access was previously hindered: any residential property where access is currently denied; and future excavations at depths greater than that remediated under this proposed remedy;

        - provisions for the management and inspection of the identified engineering controls, including within drainage district right-of-way areas. While usage of these areas is generally controlled by their right-of-way status, potential exposures related to required district maintenance or repairs to brook banks, culverts, etc. will be addressed by Lockheed Martin;

        - maintaining site access controls and Department notification;

        - tracking of property ownership changes to allow for the continued communication with owners;

        - annual notification by Lockheed Martin to property owners of Lockheed Martin's offer to implement the remedy for property owners who chose to decline remedy implementation and/or sampling on their property;

        - an annual reminder from Lockheed Martin to property owners with post remedy residual soil contamination of the presence of such residual contamination, and of Lockheed Martin's commitment to handle (e.g., excavate, manage and dispose) residual contaminated soils, as necessary and in accordance with the intended use of the property;

        - provision for Lockheed Martin to request that the Village of Liverpool Code Enforcement Office and the Town of Salina Department of Planning and Development timely inform Lockheed Martin of any building permits they grant for properties within the site boundaries where residual material remains post remedy;

- provision for Lockheed Martin to request that the Town of Salina and Onondaga County timely inform Lockheed Martin of any Town or County plans to conduct intrusive maintenance work within the site boundaries (*e.g.*, soil disturbance work); and

- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b) A Monitoring Plan to assess the performance and effectiveness of the remedy that includes:

- monitoring of remediated and restored areas to assess the performance and effectiveness of the remedy;

- biological monitoring two and four years following completion of the remedial activities at the site to document cadmium concentrations in aquatic biota following the completion of the remedial activities.

- a schedule of monitoring and frequency of submittals to the Department.

3 Interim Remedial Measures

The selected remedy summarized above for this site was performed as the remedial project detailed in this FER. Prior to the selected remedy being approved, IRMs were completed in April 1997 and in August 2008 that removed a portion of the contaminated sediment from the channel and culverts. These two IRMs are summarized in the sections below. No operable units or other separate construction contracts were performed.

3.1 1997 Interim Remedial Measure

In April 1997, Lockheed Martin removed all sediments from within the 200-foot long culvert beneath the Thruway and the adjacent downstream 750-foot segment of the WBBB to address concerns raised by the NYSDEC, the NYSDOH, and the Onondaga County Department of Health (OCDOH) regarding the presence of cadmium and PCBs in the sediments in a portion of the WBBB (BBL, 1997). As part of this IRM, approximately 325 tons of sediment were transported for off-site disposal.

The information and certifications made in the November 1997 *West Branch of Bloody Brook Sediment Removal Certification Report* (BBL, 1997) were relied upon to prepare this section and certify that the remediation requirements for the site at that time had been met.

3.2 2008 Interim Remedial Measure

Lockheed Martin conducted sediment removal from within the Brookview Lane, Sunflower Drive, Floradale Road, and Pearl Street culverts in 2008 as a NYSDEC-approved IRM. This work was completed at the request of the Onondaga County to increase the hydraulic capacity of the drainage system in the area. Approximately 91 tons of sediment were removed from the IRM project area and transported off site for disposal.

The information and certifications made in the March 2009 *Culvert Sediment Removal Interim Remedial Measures Certification Report* (Shaw, 2009) were relied upon to prepare this section and certify that the remediation requirements for the site at that time had been met.

4 Description of Remedial Actions Performed

Remedial activities completed at the site were conducted in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP) for the site (February 2013) and subsequent work plans listed in the following sections. All deviations from the work plans were submitted to NYSDEC for approval as proposed field changes prior to implementation and are summarized in Appendix E.

Construction activities were completed over four construction seasons from 2014 through 2017. Work plans were developed for the 2014 through 2016 construction seasons to detail the construction activities to be completed that year and included site preparation (e.g., tree removal), waste characterization, and construction work plans. The remediation for the apartment complex property was not completed in 2016 for the apartment complex area outside of the Drainage District easement. To accommodate the property owner, Lockheed Martin completed remediation activities in these areas in spring 2017. On January 26, 2017, NYSDEC approved the soil removal within the apartment complex to be completed in 2017 in accordance with the NYSDEC approved *2016 Construction and Restoration Work Plan* dated March 2016 (2016 CRWP), with the applicable NYSDEC approved field changes as summarized in Appendix E.

The specific work plans for each construction year are listed in the sections below.

4.1 Governing Documents

4.1.1 Site Specific Health & Safety Plan (HASP)

All remedial work performed under this remedial action was in full compliance with governmental requirements, including site and worker safety requirements mandated by Federal Occupational Safety and Health Administration (OSHA). The Health and Safety Plan (HASP) was updated annually and was complied with for all remedial and invasive work performed at the site (AECOM, 2014, 2015, 2016, and 2017).

4.1.2 Waste Characterization and Tree Removal Work Plans

Prior to each construction season, a work plan for waste characterization soil sampling and tree removal was submitted to the NYSDEC for approval. The purpose of the waste characterization sampling was to characterize soils and sediment to be excavated as part of the remedial activities planned for the upcoming construction season for proper transportation and disposal. The tree removal work plans identified the specific trees that needed to be removed in order to complete the planned remedial activities. For these purposes, the following work plans were submitted to and approved by NYSDEC. The November 2013 *Waste Characterization Work Plan* was approved as part of the March 2014 *Construction Work Plan* and the May 2014 *Construction Work Plan Addendum*. NYSDEC approval letters are provided in Appendix F. All work plans were developed consistent with NYSDEC's May 2010 guidance entitled *DER-10 Technical Guidance for Site Investigation and Remediation* (DER-10). Additional details on waste characterization sampling are provided in Section 4.3.1 of this FER.

- November 2013 *Waste Characterization Work Plan;*
- January 2014 *Wooded Area Tree Removal Work Plan;*
- October 2014 *Culvert and 2015 Construction Season Waste Characterization Soil Sampling Work Plan*;
- November 2014 *Tree Removal Work Plan for 2015 Construction Season; and*
- October 2015 *Tree Removal Work Plan and Waste Characterization Soil Sampling Plan 2016 Construction Season*.

4.1.3 Construction and Restoration Work Plans

Prior to each construction season, a work plan was developed that defined the procedures that would be used to complete planned remediation efforts for that construction season, including excavation, offsite transportation and disposal, backfilling, and restoration activities. All work plans were developed in accordance with NYSDEC's DER-10. The following work plans were submitted to and approved by NYSDEC. NYSDEC approval letters are provided in Appendix F. Additional details from these work plans are discussed throughout Sections 4.3 through 4.9 of this FER.

- March 2014 *Construction Work Plan* and the May 2014 *Construction Work Plan Addendum;*
- *August 2014 Revised Restoration Work Plan;*
- *2015 Construction and Restoration Work Plan*; and
- *2016 Construction and Restoration Work Plan*

4.1.4 Community Air Monitoring Plan

Community air monitoring was performed during all ground intrusive activities at the site in accordance with the Community Air Monitoring Plan (CAMP). The CAMP was developed in accordance with NYSDEC's *DER-10* and the *New York State Department of Health Generic Community Air Monitoring Plan* (NYSDOH Generic CAMP) included as Attachment 1A of DER-10. The remedial investigation at the Bloody Brook site had identified cadmium (a heavy metal) as a contaminant of concern. Because a heavy metal was identified as the contaminant of concern, DER-10 requires that the CAMP include real-time monitoring for particulates (i.e., dust) at the downwind perimeter of a work area during ground intrusive activities. The intent of the CAMP was to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses) from potential airborne contaminant releases as a direct result of the construction activities. Additionally, the data generated to maintain compliance with the CAMP confirmed that intrusive activities did not spread contamination off-site through the air. The CAMP was not intended for use in establishing action levels for worker respiratory protection.

Real-time air monitoring for particulates (i.e., dust) was conducted continuously for all ground intrusive activities (e.g., soil sampling, excavation, backfilling, etc.). The remedial investigation at the Bloody Brook site did not identify volatile organic compounds (VOCs) as a contaminant of concern. Therefore, community air monitoring for VOCs was not completed.

The CAMP monitoring was performed using real-time aerosol monitors such as a Thermo MIE pDR-4000 DataRam (data-RAM) or equivalent equipment capable of monitoring airborne dust consisting of particulate matter measuring less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action levels listed below.

Action Level – in accordance with the NYSDOH Generic CAMP	**Response**
>0.1 mg/m^3 above the background for the 15 minute average or if airborne dust is observed leaving the work area	Employ dust suppression techniques
0.1 to 0.15 mg/m^3	Work may continue with dust suppressions techniques provided downwind PM-10 particulate levels do not exceed 0.15 mg/m^3 above background for the 15-minute average and airborne dust is not observed leaving the work area
>0.15 mg/m^3	Cease operations. Contact PM, Director of Health, and Safety or designee immediately.

CAMP monitoring locations were initially located at the boundary of the work area, with the specific location of each of the CAMP monitors determined daily as weather conditions and work areas and activities changed. The CAMP monitor locations were based on factors such as wind direction and the proximity of potential receptors to each work area. A CAMP monitor was placed at a location upwind (to measure background) and downwind of the ground intrusive work area. In addition, a CAMP monitor was placed near the closest off-site receptor. CAMP results are discussed in Section 4.2.6 of this FER.

4.1.5 Site Management Plan

Since contaminated soil remains beneath the site after completion of the remedial action, ICs/ECs are required to protect human health and the environment. These ICs/ECs are described in the site specific SMP. The SMP includes an updated HASP and a site specific Quality Assurance Project Plan (QAPP) which will be adhered to during any site management activities. Further information regarding the SMP is included in Sections 4.6 through 4.10 of this FER.

4.2 Remedial Program Elements

4.2.1 Contractors and Consultants

The following list provides a summary of key contractors and subcontractors and their associated tasks.

- AECOM – Environmental consultant and Engineer of Record for the project that provided design, consulting, and construction services for the remedial actions and prepared project documents on behalf of Lockheed Martin.
- CT Male Associates – Subcontractor that provided survey services including the location and marking of all excavation areas and verification of all final cut and fill elevations and thicknesses.

4.2.2 Site Preparation and Staging Areas

Meetings were held with NYSDEC prior to approval of the construction work plans, and notice was provided to NYSDEC prior to the initiation of construction activities.

Clearing and grubbing activities were initiated on March 3, 2014 in accordance with the NYSDEC approved *Wooded Area Tree Removal Work Plan* (AECOM, 2014). These activities included cutting of trees greater than 4 inches in diameter at breast height to a minimum of 3 feet above ground surface using hand tools and equipment with no soil disturbance.

Prior to initiating the clearing and grubbing activities, a tree survey was performed by AECOM. The results of the tree survey included the identification of trees present within the wooded area of the site. Similar activities were completed for the 2015 and 2016 construction seasons prior to initiating construction activities downstream of the wooded area. Tree conditions, excavation limits, methods, and proposed restoration design were evaluated to categorize the removal/preservation recommendation of each tree. Following NYSDEC approval of the removal of trees and prior to initiating clearing and grubbing activities, the trees were flagged to distinguish the trees to be preserved from the trees to be removed.

Additional clearing and grubbing activities were required within staging and remediation areas. Standard methods were used to complete these activities at the site following NYSDEC approval. Material from the grubbing activity was disposed of based on the planned removal actions for the soil from which the material was removed. All clearing and grubbing waste that did not come in contact with impacted soils was transported by dump truck or roll-off box to a local compost/recycling facility or reused on site. All material was removed and handled in a manner that prevented contact with soils subjected to excavation and disposal of impacted material.

A general staging area was constructed north of the Thruway on the Lockheed Martin Electronics Park facility for temporary staging of materials and supplies, including pickup/delivery trucks. Trailers and other support facilities were placed within this staging area for use by Lockheed Martin, subcontractors, and NYSDEC/NYSDOH personnel.

Temporary support facilities were placed during the 2014 construction season at an empty lot at 203 Midwood Drive (Figure 3A) located within the Drainage District easement and owned by Town of Salina. A temporary contractor staging area was constructed adjacent to the work areas as shown on Figure 3A. The 2014 excavation was completed to the temporary access road on the side closest to the Thruway, as shown on Figure 3A. Polyethylene sheets were used as a barrier to separate the clean backfill placed as part of the 2014 construction activities and the remaining contaminated soil to be removed in 2015. In the portions of the site excavated and backfilled during the 2014 construction activities, final restoration and planting was completed in 2015 in accordance with the NYSDEC approved *2014 Revised Restoration Work Plan* dated August 2014 with the field changes as summarized in Appendix E of this FER.

The temporary support facilities and temporary contractor staging area remained in place during the 2014 construction season and were used through the 2015 and a portion of the 2016 construction seasons. The 2015 excavation was completed to the upstream property boundary of the apartment complex, as shown on Figure 3D. Polyethylene sheets were used as a barrier to separate the clean backfill placed as part of the 2015 construction activities and the remaining contaminated soil to be removed in 2016. In the portions of the site excavated and backfilled during the 2015 construction activities, some final restoration and planting was completed in 2016 in accordance with the NYSDEC approved *2015 Construction and Restoration Work Plan.*

The soil removal that was required to be completed within the property located at 203 Midwood Drive was completed with the excavation of the soil adjacent to the property. The temporary support facilities were removed by July 2016 and the lot restored. Restoration of this property and areas adjacent to the property was completed with input from the property owners and included removing the gravel base placed as part of the construction activities, disposing of the removed material as non-hazardous waste, grading, replacing the residential fence adjacent to the empty lot, applying top soil, and planting grass seed.

For the 2016 construction activities, additional temporary support facilities and temporary contractor staging areas were placed as shown on Figure 3F. Due to the limited work area during the 2017 construction season, temporary site facilities were not utilized, and excavated materials were loaded directly onto trucks and transported to the accepting disposal facility.

The remediation for the apartment complex property was not completed in 2016 for the apartment complex area outside of the Drainage District easement. To accommodate the property owner, Lockheed Martin completed remediation activities in these areas in spring 2017. On January 26, 2017, NYSDEC approved the soil removal within the apartment complex to be completed in 2017 in accordance with the NYSDEC approved *2016 Construction and Restoration Work Plan* dated March 2016 (2016 CRWP), with the applicable NYSDEC approved field changes as summarized in Appendix E.

4.2.3 Permits

Permits relating to the remediation project are provided in Appendix G and include the following:

- October 3, 2014, December 8, 2014, June 15, 2015, December 11, 2015 Permit and Permit Extensions to Discharge Groundwater Encountered During Wetland Remediation and Restoration Along Bloody Brook Bounded by Midwood Drive, Brookview Lane, and Sunflower Drive in Liverpool, New York to the Onondaga County Sanitary Sewer System
- May 16, 2016 and December 19, 2016 Permit Modification and Permit Extension to Discharge Groundwater Encountered During Brook and Side Bank Remediation and Restoration Along the West Branch of Bloody Brook Bounded by Floradale Road and the Onondaga Lake Parkway in Liverpool, New York to the Onondaga County Sanitary Sewer System
- June 6, 2014 USACE Nationwide Permit No. 38 and the April 8, 2015 Permit Reauthorization
- June 2014 Onondaga County Water Authority Hydrant Use Permit
- December 2015 Onondaga County Department of Transportation Permit to install a temporary access road at Old Liverpool Road
- March 10, 2015 USACE Nationwide Permit No. 3 to replace five culverts at Brookview Lane, Sunflower Drive, Floradale Road, Pearl Street, and Town Garden Drive.
- January 22, 2016 NYS Department of Transportation (DOT) Highway Work Permit to install temporary access to Onondaga Lake Parkway to facilitate construction access

4.2.4 General Site Controls

Various site controls were employed to ensure protection of human health and the environment and to avoid cross contamination during construction activities. These controls are summarized in the subsections below.

4.2.4.1 Dewatering, Collection, and Transfer of Construction Water

Any water identified as potentially contaminated by direct contact with contaminated media was collected for management. Typical construction water included the following:

- Groundwater or surface water entering excavations.
- Surface water resulting from precipitation during construction which has come in contact with potentially contaminated soils, fill, or debris.
- Liquids drained from covered stockpiles.
- Liquids generated during decontamination and cleaning activities.
- Liquids generated from the dewatering system.

Construction water, if created, was pumped directly from the water source location to a weir tank through a bag filter to a holding tank. The weir tank allowed soil and sediment to settle out of the construction water, and the filter bags retained soil and sediment from the construction water. The weir tank and filter bags allowed clean water to be placed into the holding tank. The treated construction water being held in the holding tank was discharged into the sanitary sewer per requirements of a discharge permit with the Onondaga County Department of Water Environment Protection (see Section 4.2.3 and Appendix G of this FER). Solid wastes resulting from the operation and maintenance of the water treatment system was disposed of as impacted soil and sediment.

4.2.4.2 Staging and Stockpiling

Fabric and crushed stone were placed to construct staging areas within the construction area and on site to support field offices, sanitation, equipment/material laydown, and employee parking (Figures 3A-3G). Additional approved local staging areas including the general staging area constructed north of the Thruway on the Lockheed Martin Electronics Park facility was utilized, as needed.

Soil staging areas were constructed prior to beginning site excavation work. These areas were utilized for imported fill and for impacted soil/sediment.

- Clean Imported Fill Stockpile Area – consisted of a 4-ounce, non-woven geotextile fabric with straw waddles/haybales around the perimeter. The clean soil stockpiles were covered with 6-mil polyethylene sheeting at all times, except when adding or removing material.

- Impacted Soil/Sediment Stockpile Area - consisted of a single layer 20-mil base liner sandwiched between two layers of 4-ounce non-woven geotextile fabric; a berm around the perimeter of the stockpiles (berms were constructed with haybales and/or straw waddles); and covered with 6-mil polyethylene sheeting, anchored with sandbags. The impacted soil piles were covered at all times, except when adding or removing materials.

4.2.4.3 Erosion and Sediment Controls

Erosion and sediment controls were installed during the site preparation phase in accordance with the August 2010 *New York State Stormwater Management Design Manual*. Land-based and water-based erosion and sediment controls that were used included:

- Silt fence and straw wattles, as needed, along areas of disturbed ground cover;
- Silt fence, hay bales, and/or straw wattles around active stockpiles;
- Stabilized construction entrances; and
- Temporary cofferdams and/or stone check dams.

Silt fencing was installed along the site security fence and at locations downgradient of the work areas to intercept runoff and promote deposition of suspended sediments and soils. The filter fabric material that was used to create the silt fencing was Mirafi® 100x or an equivalent material. Adjoining sections of filter fabric were overlapped by six inches and folded.

All erosion and sediment controls were constructed prior to excavation activities in accordance with the manufacturer’s details. Erosion and sediment control measures were regularly inspected to ensure that they were operating correctly and preventing eroded soil and sediment from leaving the site or entering the brook. Repairs were made as necessary to maintain all erosion and sediment controls throughout the duration of the project. After restoration activities were completed and ground surfaces stabilized, the temporary erosion and sediment controls were removed.

4.2.4.4 Temporary Site Security Fencing

Prior to starting excavation activities, a site security fence, at least 6 feet tall, was installed around the perimeter of the construction area (Figures 3A to 3G). All gates to the construction areas were kept locked during non-construction hours.

4.2.4.5 Bypass Pumping

A temporary bypass pumping system was operated 24 hours per day, seven days a week, during impacted material removal and restoration activities in and adjacent to the stream channel. The bypass system was capable of conveying the maximum system design flow, utilizing two pumps with a capacity of 9,000 gallons per minute (gpm) each to the specified discharge point using high-density polyethylene pipes. Bypass pumps and generators, when used, were sound attenuated. Flow was conveyed through piping to the proposed discharge points as shown on Figures 3A through 3F. An outfall was installed downstream of the construction area for transfer of upstream water back into the active stream. The outfall limited sediment dispersion associated with the outflow of the bypass system.

Direct observation of WBBB, relative to critical bypass structure elevations, were used as the primary indicator of imminent overtopping conditions. These included weather monitoring and water level monitoring. In the event the influent stormwater exceeded the maximum system design flow, bypass pumping would continue throughout the duration of the event to reduce the storm flow through the brook channel, and overtopping procedures were implemented as described in the construction work plans. The bypass pumping process and remedial activities were completed to prevent overtopped water from coming into contact with contaminated soil.

Temporary cofferdams, hay/straw bales, and/or filter socks were installed downstream prior to the installation of the bypass pumping system and removed after the system was in place and operating properly. Pumps were installed and operated to minimize sediment disturbance during the pumping process. Water was discharged into an outfall to limit sediment dispersion.

4.2.5 Nuisance controls

Work activity scheduling complied with local noise ordinances, which specify permitted noises as including construction work, between the hours of 7:00 am and 9:00 pm. Unavoidable work outside of these permitted hours did not emit noise levels above 88 decibels when measured 50 feet from the work (e.g., by-pass pumping operation). No unnecessary construction was permitted on weekends without proper notification.

4.2.6 CAMP results

Community air monitoring was performed during all intrusive activities at the site in accordance with the CAMP. There were no reported exceedances for the duration of the project. Copies of all field data sheets and CAMP reports are provided in electronic format in Appendix H.

4.2.7 Reporting

A weekly construction report was assembled and submitted to NYSDEC following each work week and contained the information listed below.

- Remedial construction activities completed for report week
- Remedial construction samples collected and analytical results received for report week
- Field changes requested and approved during report week
- Remedial construction activities projected for next week
- Remedial construction activities projected for two week outlook

- Remedial construction activities issues, responses, and resolutions

A monthly report was assembled, submitted to NYSDEC, and distributed consistent with the requirements of the VCA. The monthly report contained the information listed below.

- Description of administrative activities
- Summary of investigation and remedial program activities including analytical data received
- Field changes requested and/or approved
- Projected work for next month

All weekly and monthly reports are included in electronic format in Appendix I. A project daily photo log is included in electronic format in Appendix J.

4.3 Contaminated Materials Removal

Prior to starting any remedial construction activities, Lockheed Martin and AECOM obtained access to the affected properties from the property owners. In addition, AECOM worked with property owners and public utility providers to accurately locate all utilities.

All non-cohesive sediments overlying either the clay layer or the engineered base within WBBB and Bloody Brook and top 2 feet of side bank soil including the flagstone were excavated.

Upland soil from the Drainage District easement, residential properties, the apartment complex property, and commercial properties was required to be removed to depths up to 4 feet, as shown on Figures 4A through 4C. Additional removal was completed to depths up to 6 feet in areas along and adjacent to the historic brook alignment as shown on Figure 4A for additional cadmium mass removal. Excavation was completed by surveying the existing grade; removing soil to the required depth; and surveying the excavated grade to confirm the required depth has been achieved.

A list of the SCOs for the contaminant of concern for this project is provided in Table 2. Location and depths of areas where excavations were performed are shown on Figures 4A through 4C. Figures 5A through 5C, Figures 6A through 6C, and Tables 3 and 4 provide survey data collected to verify the excavation depths and fill thicknesses.

Some of the excavated soils within the wooded area required stabilization prior to disposal off site. A bench scale test was performed prior to excavation activities that determined EnviroBlend® to be the preferred media to ensure the stabilization of cadmium. In addition, these soils were mixed with cement kiln dust (CKD) to solidify the soils to acceptable levels required by the disposal facility. To minimize the potential for dust, the media was stored in one ton super sacs. When mixing the media and soil, the media was applied as close to the soil surface as possible. Once applied, the media was mixed in place using an excavator. Mixing activities were monitored to ensure dust generation was limited.

Following mixing activities, soils were placed on 6-mil polyethylene liners within the excavation for eventual disposal following toxicity characteristic leaching procedure (TCLP) and water content sampling. All exposed material was covered with 6-mil polyethylene liners following placement within the excavation.

4.3.1 Disposal Details

Prior to the start of the 2014, 2015, and 2016 construction years, soil and sediment samples were collected from the excavation areas to confirm the excavated materials would meet the requirements of the receiving facility. For each sample, material was collected from five locations.

Samples collected for VOC analysis were collected from one location per approximately 650 cubic yards (CY), which is about one sample per 1,000 tons of soil for the site. All other samples were collected from four locations per 650 CY and homogenized into one sample per 650 CY.

A summary of the samples collected to characterize the waste, including the sample locations and associated analytical results, are provided in Appendix K.

Tables 5A through 5D show the total quantities and disposal locations of each category of material removed from the site including non-hazardous soil, stabilized soil, debris, and stabilized debris. The following quantities were removed for each waste type:

- Non-hazardous soil: 37,340 tons
- Stabilized soil: 7,737 tons
- Stabilized debris: 45 tons
- Debris: 112 tons

Waste disposal profiles are included in Appendix L, and waste manifests are included in electronic format in Appendix M.

4.3.2 On-Site Reuse

Per the NYSDEC approved field change dated June 12, 2015 (Appendix E), the removed flagstone was reused to backfill excavations within the Drainage District easement between Brookview Lane and the apartment complex property. When used as backfill, the stone material was placed at depths of 1 foot below final restoration grade to allow for placement of 1 foot of soil or stone armoring over the flagstone. Prior to reuse, the flagstone was rinsed to remove impacted soil and sediment. All rinse water was captured and treated as construction water, and the soil rinsed from the flagstone was captured and properly disposed. Chip samples were collected from the rinsed flagstone per the June 12, 2015 field change to ensure the rinsing process removed cadmium contamination. Data from the chip samples are provided in Appendix N. The flagstone was broken into smaller pieces, 12 inches or less, to allow for reuse.

4.3.3 Construction Water

As discussed above in Section 4.2.4.1, any water identified as potentially contaminated by direct contact with contaminated media was collected for management pursuant to the permit to discharge groundwater encountered during remediation and restoration along Bloody Brook in Liverpool, New York to the Onondaga County Sanitary Sewer System (see Section 4.2.3). Solid wastes resulting from the operation and maintenance of the water treatment system and storage tanks were disposed of at the selected disposal facility utilized for soil disposal.

By the mid-2016 construction season, due to the work areas and other engineering practices, the need for collection and discharge of construction water had been eliminated.

Results for construction water samples are provided in Appendix O.

4.4 Culvert Replacement

In addition to sediment and soil excavation for removal of cadmium contamination on the site, Lockheed Martin agreed to design and complete the replacement of five culverts (Brookview Lane, Sunflower Drive, Floradale Road, Pearl Street, and Town Gardens Drive) that cross over the WBBB within the limits of the site. The need for the culvert replacements was identified by Onondaga County based on the condition of the structure and the required repairs and maintenance necessary to keep the structure performing as originally designed. Due to lack of property owner permission, the culverts at privately-owned Pearl Street and Town Gardens Drive were not replaced. Rather, sediment and debris were removed from these culverts, and the interior of each culvert was lined with Horizontal Pipe Lining Mortar to improve the stability of the existing steel culverts.

A Joint Application was submitted on February 3, 2015 to USACE for the requisite Preconstruction Notification for use of Nationwide Permit No. 3 – Maintenance for authorization of the culvert replacements in accordance with Nationwide Permit General Condition No. 31. In addition, the Joint Application for permit was submitted to NYSDEC to modify NYSDEC Individual Water Quality Certification No. 7-3148-00150/00002 to allow for the culverts to be replaced. Permits are provided in Appendix G.

Soil excavated for the replacement of the culverts was handled with the adjacent soil removed for remediation. Soil borings were collected in the vicinity of each of the five culverts to characterize the extent of cadmium concentration. Results are summarized in Table 1D. Soil and sediment disturbed to remove and replace the culverts with a cadmium concentration of greater than 2 mg/kg were handled as impacted material and shipped off-site for proper disposal at a permitted landfill.

4.5 Remedial Performance/Documentation Sampling

Per NYSDEC's DER-10, documentation samples are generally required when the soil cleanup is based on an excavation to pre-specified excavation limits described in the remedy decision document and delineated during remedial design. Documentation samples are collected and analyzed to document the soil levels achieved by the remedy. For the Bloody Brook site, the investigation soil samples from areas/depths outside of the excavation limits were used as documentation samples. These are summarized in Tables 6A, 6B, 6C, and 6D and Figures 7A, 7B, and 7C, with all residual cadmium as defined in the Decision Document and below highlighted.

All laboratory analytical reports for the investigation soil samples are provided electronically in Appendix C, and associated DUSRs are included in Appendix D.

4.6 Contamination Remaining at the Site

Analytical results for soil remaining on the site post-remediation are summarized in Tables 6A, 6B, 6C, and 6D, and soil sample locations are shown on Figures 7A, 7B, and 7C. The "Figure Coordinate" column in the tables corresponds to the grid system shown on the figures. Samples indicating the presence of residual cadmium, as defined below for the different site areas and land uses, are also identified in these tables and figures.

- Residential areas– 10 mg/kg for depths greater than 2 feet.
- Wooded area and sidebanks between Old Liverpool Road and Onondaga Lake Parkway (sidebanks being the top of rip rap) – 4 mg/kg in the top 2 feet and 10 mg/kg greater than 2 feet.
- Apartment complex property – 10 mg/kg greater than 2 feet.
- Commercial properties – 9.3 mg/kg in the top 2 feet and 10 mg/kg greater than 2 feet.
- Drainage District easement (including CSX property) – 10 mg/kg for depths greater than 2 feet.

Since contaminated soil remains beneath the site cover after completion of the remedial action, ICs and ECs are required to protect human health and the environment. These ECs/ICs are described in the following sections. Long-term management of these EC/ICs and residual contamination will be performed under the SMP approved by the NYSDEC.

4.7 Imported Backfill and Soil Cover

Exposure to remaining contamination in soil at the site is prevented by a soil cover placed over excavated areas of the site. This soil cover, placed over a demarcation layer, is comprised of a minimum of 24 inches of clean soil, including fill material and topsoil suitable for supporting vegetation. All soil backfill met the requirements of NYSDEC's DER-10 Section 5.4(e) and was approved for use at the site by NYSDEC. Figures 4A, 4B, and 4C show the location of each cover type built at the site. An Excavation Work Plan, which outlines the procedures required in the event the cover system and/or underlying residual contamination are disturbed, is provided in Appendix A of the SMP.

Sediment removed from the brook channel within the 750-foot 1997 IRM area discussed above in Section 3.1 was backfilled as needed with imported low-permeable soil that meets the requirements of NYSDEC DER-10 Section 5.4(e) to maintain the hydraulic grade line of the brook channel and with a 6-inch layer of stone to control erosion. Sediment within the remainder of the channel was removed down to a well-defined clay bottom. The brook bottom and channel were restored at a minimum to the existing width and elevation.

The side slopes were backfilled using the following sequence; demarcation layer, woven geotextile layer (Mirafi FW700 or an equivalent material), 0.5 feet of imported general fill soil, and 1.5 feet of 6- to 12-inch stone. Where flagstone was used as backfill within the stream side bank excavations within the drainage district easement between Brookview Lane and the apartment complex property, the following sequence was used; demarcation layer, woven fabric layer, 1 foot of 12-inch broken flagstone, and 1 foot of light stone fill. The side bank armoring was installed to the high water mark or greater, per the applicable approved work plans and field changes, as needed to armor the brook side banks for erosion control. All soil backfill met the requirements of NYSDEC's DER-10 Section 5.4(e). All areas where imported backfill was placed are shown on Figures 4A through 4C.

The bottom and sides of the constructed wetlands consisted of two soil layers totaling 2 feet in thickness over ordinary fill (structural fill) used to backfill the excavated areas. The lower 12-inch layer of the wetland liner corresponds to a low-permeable layer to act as a liner. Over this layer, 12 inches of non-compacted topsoil was placed as a vegetation layer with a total organic carbon (TOC) content of 5 to 10 percent.

Restoration of upland areas (areas at the top of the stream side banks) within the Onondaga County drainage district easement and commercial properties were backfilled with imported soil that meets the requirements of NYSDEC DER-10 Section 5.4(e). A minimum of 2 feet of cover was placed in these areas, including 1.5 feet of general fill and 0.5 feet of topsoil. Prior to placement of backfill material, a demarcation layer was placed at the bottom of each excavation. The backfilled grade was surveyed to confirm a minimum of 2 feet of cover was in place. The properties were restored to existing conditions with consideration of input from the property owner and will included the placement of sod or planting grass and planting of trees, shrubs and other plants similar to what was removed from the area.

All sources of imported backfill with quantities for each source are summarized in Tables 7A through 7G. Copies of weight tickets for these imported materials are provided in Appendix P. Tables summarizing chemical analytical results for backfill (in comparison to allowable levels) as well as the laboratory analytical reports are provided in Appendix Q. A figure showing the site locations where backfill was used at the site is shown in Figures 4A through 4C.

4.8 Other Engineering Controls

The remedy for the site did not require the construction of any other engineering control systems.

4.9 Site Restoration

Condition of lawns, vegetation cover, trees, and landscaping features within residential properties, the apartment complex, and commercial properties were documented as part of a preconditions survey. As part of the remedial activities, the vegetation cover was disturbed and trees removed. Residential properties, the apartment complex, and commercial properties were restored as close as practical to pre-existing conditions with consideration for input from the property owner and typically included the placement of sod and/or grass seed, trees, shrubs, and other plantings similar to what was removed from the property.

In the Drainage District easement within the residential, apartment complex, and commercial areas (i.e., outside of the wooded area), it was proposed to restore and seed the area. However, based on a request from Onondaga County Department of Water Environment Protection (OCDWEP), a field change was implemented in September 2015 that included planting low maintenance ground cover along the top of the banks in portions of this area. Details of this NYSDEC approved field change are provided in Appendix E of this FER.

In accordance with the NYSDEC and United States Army Corp of Engineers permitting for the remediation construction activities in the WBBB and its floodplain, the stream habitat of WBBB was upgraded by constructing 1.31 acres of replacement wetland habitat. During restoration activities in the wetland areas, the vegetation reported in Table 8 was planted within the wooded/wetland areas. Additionally, three weirs were installed to allow for adjustment of the height of water retained in the wetlands, in needed. Details of these weirs are provided in Figure 8.

As detailed in the site SMP, the streambed, side banks, upland areas, and wetlands will be monitored annually for up to a five year period. The inspections will include an evaluation of all plantings and any possible erosion. All plantings will be inspected after the first year. Plantings will be replaced until they are successfully established for a period of one year. If erosion is observed, the affected area will be repaired and an evaluation conducted to determine the cause. In some cases an alternative material or plantings may be planted. Any modifications to the restoration will be discussed with the property owner and reviewed and approved by NYSDEC. The monitoring activities will be summarized and included in an annual site monitoring report that will be submitted to NYSDEC.

4.10 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 appropriate uses for each area. Adherence to these ICs on the site is required by the Decision Document and will be implemented under the SMP.

These ICs include the following:

- All ECs must be maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in the 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 SMP.

Specific ICs as outlined in the Decision Document include the following:

- a provision for further investigation to refine the extent of contamination in the areas where access was previously hindered (e.g., any residential property where access is currently denied or future excavations that require the property owner to contact Lockheed Martin when digging at depths where residual cadmium has been or has the potential to be detected);
- maintaining site access controls and Department notification;
- tracking of property ownership changes to allow for the continued communication with owners;
- annual notification by Lockheed Martin to property owners of Lockheed Martin's offer to implement the remedy for property owners who chose to decline remedy implementation and/or sampling on their property;
- an annual reminder from Lockheed Martin to property owners with post remedy residual soil contamination of the presence of such residual contamination, and of Lockheed Martin's commitment to handle (excavate, manage and dispose) residual contaminated soils, as necessary and in accordance with the intended use of the property;
- a provision for Lockheed Martin to request that the Village of Liverpool Code Enforcement Office and the Town of Salina Department of Planning and Development timely inform Lockheed Martin of any building permits they grant for properties within the site boundaries where residual material remains post remedy. Details of this notification process with the Village of Liverpool and Town of Salina are provided in the following sections; and
- a provision for Lockheed Martin to request that the Town of Salina and Onondaga County timely inform Lockheed Martin of any Town or County plans to conduct intrusive maintenance work within the site boundaries (*e.g.*, soil disturbance work). Details of this notification process are provided in the contract Lockheed Martin entered into with Onondaga County on July 9, 2014 and included as Appendix E.

4.11 Deviations from the Construction and Restoration Work Plans

Generally, the remedy was implemented as proposed in the applicable construction work plans discussed in sections above, however there were some changes made in the field. All deviations from the proposed work were approved by the NYSDEC as field changes prior to the change being implemented. All NYSDEC approved field changes are summarized in Appendix E.

5 References

AECOM. *2013 Waste Characterization Work Plan,* November.

AECOM. *2013 Remedial Action Work Plan,* February.

AECOM. *2014 Wooded Area Tree Removal Work Plan*, January.

AECOM. *2014, 2015, 2016, and 2017*. *Health and Safety Plan*, February.

AECOM. *2014 Construction Work Plan*, March.

AECOM. 2014 *Construction Work Plan Addendum*, May.

AECOM. *2014 Revised Restoration Work Plan,* August.

AECOM. *2014 Culvert and 2015 Construction Season Waste Characterization Soil Sampling Work Plan*, October.

AECOM. 2014 *Tree Removal Work Plan for 2015 Construction Season*, November.

AECOM 2015 *Tree Removal Work Plan and Waste Characterization Soil Sampling Plan 2016 Construction Season*, October.

AECOM. *2015 Construction and Restoration Work Plan*, February.

AECOM. *2016 Construction and Restoration Work Plan*, March.

BBL. 1997 *West Branch of Bloody Brook Sediment Removal Certification Report*, November.

NYSDEC, 1996 Memorandum from Robert Bode to Distribution regarding Bloody Brook Tissue Analysis Results, January.

NYSDEC, 1997 *Statement of Basis for Lockheed Martin Corporation Electronics Park Facility*, January.

NYSDEC, 2014 *Decision Document*, March.

Shaw, 2009. *OCDWEP Storm Water Drainage Improvement Project Soil Sampling Test Results*, December.

TABLES

Table 1A
Soil Investigation Cadmium Concentrations
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-01-01	G9	0' - 1'	5/2/2011	0.15 J	Sandy silt, organics and wood
		1' - 2'	5/2/2011	0.059 J [0.19 J]	Sandy silt
		2' - 3'	5/2/2011	0.11 J	Sandy silt
		3' - 4'	5/2/2011	0.047 J	Sandy silt
		4' - 5'	5/2/2011	0.11 J	Sandy silt
		5' - 6'	5/2/2011	0.060 J	Sandy silt
		6' - 7'	5/2/2011	0.19 J	Silty sand with little clay, Sandy silt with organics at 6'-8"
		7' - 8'	5/2/2011	0.079 J	Silt with little clay
		8' - 9'	5/2/2011	3.1	Grades to fine sand, little silt, silt with organics at 8'-10"
		9' - 10'	5/2/2011	2,450	Organics with some silt, trace sand, trace clay
		10' - 11'	5/2/2011	2.6	Grades to fine sand with white crystals, little silt
		11' - 12'	5/2/2011	0.49 B	Medium to fine sand
		12' - 13'	5/2/2011	13.8	Medium to fine sand
DI-01-02	G9	8' - 9'	4/27/2011	0.40	Silty clay
		9' - 10'	4/27/2011	0.12 J	Silty clay
		10' - 11'	4/27/2011	0.26	Sandy silt, little clay at 10'-2"
		11' - 12'	4/27/2011	12.9	Sandy silt, little clay, organics
		12' - 13'	4/27/2011	1.1	Silty clay
		13' - 14'	4/27/2011	2.8	Silty clay
		14' - 15'	4/27/2011	18.8	Silty clay, organics
DI-02-01	E9	0' - 1'	4/27/2011	22	Clayey silt, silt, gabion rock
		1' - 2'	4/27/2011	1.7	Clayey silt, silty clay
		2' - 3'	4/27/2011	0.21 J	Clayey silt, silty clay
		3' - 4'	4/27/2011	0.13 J	Clayey silt, sandy silt
		4' - 5'	4/27/2011	0.16 J	Sandy silt, clayey silt
		5' - 6'	4/27/2011	1.1	Clayey silt, sandy silt, silt
		6' - 7'	4/27/2011	2.9	Sandy silt, silt, clayey silt
		7' - 8'	4/27/2011	0.49	Silty clay, clay, sandy silt, silty sand, organics
		8' - 9'	5/2/2011	0.47 B	Till
		9' - 10'	5/2/2011	0.27 B	Till
DI-02-02	E9	0' - 1'	4/27/2011	0.80	Clayey silt, silt
		1' - 2'	4/27/2011	0.070 J	Clayey silt
DI-03-01	D12	0' - 1'	4/27/2011	0.45 B	Silt, little fine sand, trace clay
		1' - 2'	4/27/2011	<0.26 U	Silt, little fine sand, trace clay
		2' - 3'	4/27/2011	<0.25 U	Silt, little fine sand, trace clay
		3' - 4'	4/27/2011	<0.24 U	Clayey silt
		4' - 5'	4/27/2011	<0.23 U	Clayey silt
		5' - 6'	4/27/2011	<0.25 U	Clayey silt
		6' - 7'	4/27/2011	<0.26 U	Clayey silt
		7' - 8'	4/27/2011	0.096 J	Clayey silt
DI-03-02	C12	0' - 1'	4/27/2011	0.23 J	Silt with little fine sand, trace gravel
		1' - 2'	4/27/2011	0.17 J	Silt, trace clay
		2' - 3'	4/27/2011	0.15 J	Silt, trace clay
		3' - 4'	4/27/2011	0.16 J	Silt, some clay
		4' - 5'	4/27/2011	0.25 J	Silty clay
		5' - 6'	4/27/2011	<0.25 U	Silty clay
		6' - 7'	4/27/2011	<0.23 U	Silty clay
		7' - 8'	4/27/2011	<0.24 U	Silty clay
		8' - 9'	4/27/2011	<0.22 U	Silt

Table 1A
Soil Investigation Cadmium Concentrations
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
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Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-03-03	C12	0' - 1'	4/27/2011	0.18 J	Sandy gravel, organics, little silt
		1' - 2'	4/27/2011	0.067 J	Medium to fine sand with little silt, trace gravel
		2' - 3'	4/27/2011	0.068 J	Silty clay
		3' - 4'	4/27/2011	<0.24	Silty clay
		4' - 5'	4/27/2011	0.057 J	Medium to fine sand with trace gravel, trace silt
		5' - 6'	4/27/2011	0.048 J	Silty clay, trace gravel at 5'-7"
		6' - 7'	4/27/2011	0.084 J	Clayey silt
		7' - 8'	4/27/2011	0.063 J	Clayey silt
		8' - 9'	4/27/2011	1.3	Clay with some silt
		9' - 10'	4/27/2011	170	Clay with some silt
DI-03-04	C12	0' - 1'	4/27/2011	0.28	Sandy gravel, trace silt, organics
		1' - 2'	4/27/2011	0.23	Sandy gravel, some silt
		2' - 3'	4/27/2011	0.31	Coarse to fine sand, trace gravel, trace silt
		3' - 4'	4/27/2011	0.25	Coarse to fine sand, trace gravel, trace silt
		4' - 5'	4/27/2011	0.13 J	Sandy gravel, trace silt
		5' - 6'	4/27/2011	0.29	Clayey silt and debris at 5'-7"
DI-03-05	C12	0' - 1'	4/27/2011	0.33	Medium gravel, coarse to fine sand, trace silt
		1' - 2'	4/27/2011	0.30	Medium gravel, coarse to fine sand, trace silt
		2' - 3'	4/27/2011	0.27	Medium gravel, coarse to fine sand, trace silt
		3' - 4'	4/27/2011	0.31	Medium gravel, coarse to fine sand, some silt
		4' - 5'	4/27/2011	0.11 J	Medium gravel, coarse to fine sand, some silt
		5' - 6'	4/27/2011	0.12 J	Silt, fine sand, trace clay
		6' - 7'	4/27/2011	0.15 J	Silt, fine sand, trace clay
		7' - 8'	4/27/2011	0.14 J	Silt, fine sand, trace clay
		8' - 9'	4/27/2011	0.074 J	Fine to coarse sand, trace silt at 8'-3"
		9' - 10'	4/27/2011	0.15 J	Sandy gravel, little silt, Silty sand at 9'-8"
		10' - 11'	4/27/2011	267	Silty clay with organics
		11' - 12'	4/27/2011	5.9	Silty clay with organics, strong odor
DI-17-01	D13	0' - 1'	5/2/2011	0.43	Silty sand, sandy silt, roots
		1' - 2'	5/2/2011	0.15 J	Sandy silt, clayey silt
		2' - 3'	5/2/2011	0.057 J	Sandy silt
		3' - 4'	5/2/2011	0.048 J	Sandy silt, clayey silt
		4' - 5'	5/2/2011	0.090 J	Silt, sandy silt
		5' - 6'	5/2/2011	161	Silt, clayey silt, organics
		6' - 7'	5/2/2011	0.38 B	Sandy silt
		7' - 8'	5/2/2011	<0.31 U	Sandy silt, silt
		8' - 9'	5/2/2011	0.46 B	Sandy silt, clayey silt
DI-17-02	D13	4' - 5'	5/2/2011	0.33	Sandy silt
		5' - 6'	5/2/2011	1.2	Sandy silt with little clay
		6' - 7'	5/2/2011	0.37	Clayey silt with little fine sand
DI-19-01	E4	0' - 1'	5/3/2011	4.3 B	Clayey silt, organics, roots
		1' - 2'	5/3/2011	5.5 B	Sandy silt, silt, gravel
		2' - 3'	5/3/2011	14.9 B	Sandy silt, silt, clayey silt, gravel
		3' - 4'	5/3/2011	1.0 B	Sandy silt, gravels, clayey silt
DI-19-02	E4	0' - 1'	5/3/2011	0.16 J	Clayey silt, silt, sandy silt, roots
		1' - 2'	5/3/2011	13.4	Sandy silt, silt, clayey silt, roots
		2' - 3'	5/3/2011	2.6	Sandy silt, silt
		3' - 4'	5/3/2011	2.9	Sandy silt, clayey silt, silt
DI-19-03	F4	0' - 1'	5/3/2011	0.76	Clayey silt, sandy silt, silt, roots
		1' - 2'	5/3/2011	0.30	Silt, sandy silt, roots
DI-20-01	F5	0' - 1'	5/3/2011	171 B	Clayey silt, silt
		1' - 2'	5/3/2011	1.2 B	Clayey silt, silt, sandy silt, gravel, roots
		2' - 3'	5/3/2011	2.6 B	Sandy silt, silt, roots
		3' - 4'	5/3/2011	0.52 B	Clayey silt, sandy silt, silt, gravel
DI-20-02	F5	0' - 1'	5/3/2011	0.29	Clayey silt, silt, silty clay
		1' - 2'	5/3/2011	0.23 J	Clayey silt, silt, plastic bag (fill)
DI-21-01	F9	0' - 1'	4/29/2011	0.83	Silty sand, organics
		1' - 2'	4/29/2011	0.33	Silty sand, organics
		2' - 3'	4/29/2011	0.097 J	Silty sand
		3' - 4'	4/29/2011	0.042 J	Silty sand

Table 1A
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Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-22-01	F10	0' - 1'	4/29/2011	0.73	Silty sand, trace clay
		1' - 2'	4/29/2011	0.19 J	Sandy silt, silty sand
		2' - 3'	4/29/2011	0.14 J	Sandy silt, silty sand
		3' - 4'	4/29/2011	0.074 J	Sandy silt, silty sand
DI-23-01	D11	0' - 1'	4/27/2011	6.2 B	Silty clay, clayey silt
		1' - 2'	4/27/2011	0.65 B [0.61 B]	Clayey silt, silty clay
		2' - 3'	4/27/2011	<0.21 U	Silty clay, clay
		3' - 4'	4/27/2011	0.64 B	Silty clay, clay
DI-23-02	D11	0' - 1'	4/27/2011	0.30	Clayey silt, silty clay
		1' - 2'	4/27/2011	0.086 J	Clayey silt, sandy silt
DI-24-01	D11	0' - 1'	4/26/2011	0.76	Silty sand, trace clay
		1' - 2'	4/26/2011	0.15 J	Silt, little fine sand, trace clay
		2' - 3'	4/26/2011	0.17 J	Clayey silt with some fine sand
		3' - 4'	4/26/2011	0.18 J	Clayey silt with some fine sand
DI-25-01	D12	0' - 1'	4/26/2011	0.30	Sandy silt, trace clay
		1' - 2'	4/26/2011	0.13 J [0.17 J]	Sandy silt, trace clay
		2' - 3'	4/26/2011	0.052 J	Clayey silt, some fine sand
		3' - 4'	4/26/2011	0.11 J	Clayey silt, some fine sand, decrease in fine sand
DI-26-01	D12	0' - 1'	4/28/2011	0.91	Clayey silt, silty clay
		1' - 2'	4/28/2011	0.30	Clayey silt, silt with plastic sheeting fill)
		2' - 3'	4/28/2011	74.2 J [9.2 J]	Sandy silt, silty clay, gravel (fill)
		3' - 4'	4/28/2011	129	Clayey silt, sandy silt, silt
DI-26-02	D12	0' - 1'	4/28/2011	0.66	Fine sand, little silt
		1' - 2'	4/28/2011	0.13 J	Silty sand
		2' - 3'	4/28/2011	0.098 J	Silty sand
		3' - 4'	4/28/2011	0.13 J	Sandy silt
DI-27-01	D13	0' - 1'	4/28/2011	0.61	Clayey silt, sandy silt, silt
		1' - 2'	4/28/2011	0.074 J	Sandy silt, silty sand
		2' - 3'	4/28/2011	0.29	Sandy silt, clayey silt
		3' - 4'	4/28/2011	0.12 J	Sandy silt, clayey silt, silty clay
DI-28-01	C13	0' - 1'	4/26/2011	0.16 J	Silty clay
		1' - 2'	4/26/2011	0.083 J	Clay, silty clay
		2' - 3'	4/26/2011	0.039 J	Clay, silty clay
		3' - 4'	4/26/2011	0.043 J [<0.26]	Clay
DI-29-01	C14	0' - 1'	4/26/2011	0.23 J	Silt, clayey silt
		1' - 2'	4/26/2011	0.18 J	Silty clay, clay
		2' - 3'	4/26/2011	0.24	Silty clay, clay
		3' - 4'	4/26/2011	0.11 J	Clay, silty clay, trace sandy silt
DI-30-01	D14	0' - 1'	4/28/2011	1.0	Clayey silt, sandy silt, silty sand
		1' - 2'	4/28/2011	0.89	Sandy silt, silty sand
		2' - 3'	4/28/2011	0.32	Sandy silt, silty sand, clayey silt
		3' - 4'	4/28/2011	0.11 J [0.17 J]	Sandy silt, silty sand, clayey silt
DI-31-01	C15	0' - 1'	4/28/2011	0.19 J	Clayey silt, silt
		1' - 2'	4/28/2011	0.22 J	Clayey silt, silty clay
		2' - 3'	4/28/2011	0.13 J	Silty clay, clay
		3' - 4'	4/28/2011	0.15 J	Silty clay, clay
DI-40-01	C3	0' - 1'	8/25/2011	1.3	Fine sand, little silt, organics to 6" then fine sand, trace silt
		1' - 2'	8/25/2011	0.15 J	Fine sand, trace silt
		2' - 3'	8/25/2011	0.12 J [0.21]	Fine sand, trace silt
		3' - 4'	8/25/2011	0.13 J	Fine sand, trace silt

Table 1A
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Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-41-01	G5	0' - 1'	5/2/2011	1.1	Clayey silt, silt, sandy silt
		1' - 2'	5/2/2011	0.19 J	Clayey silt, sandy silt, silt
		2' - 3'	5/2/2011	0.19 J	Sandy silt, silt, clayey silt
		3' - 4'	5/2/2011	0.65	Sandy silt, clayey silt, silty clay, gravel
DI-42-01	H9	0' - 1'	8/24/2011	0.31 [0.47]	Fine to medium sand, some silt
		1' - 2'	8/24/2011	0.20 J	Fine to medium sand, some silt
		2' - 3'	8/24/2011	0.063 J	Fine to medium sand, some silt
		3' - 4'	8/24/2011	0.075 J	Fine to medium sand, some silt, trace clay
DI-43-01	C16	0' - 1'	4/28/2011	13.1	Clayey silt, sandy silt
		1' - 2'	4/28/2011	0.29 J [0.74 J]	Sandy silt, silt
		2' - 3'	4/28/2011	0.24 J	Silty clay
		3' - 4'	4/28/2011	0.24 J	Silty clay
DI-43-02	C16	0' - 1'	4/28/2011	0.35	Clayey silt, silty sand
		1' - 2'	4/28/2011	0.23 J	Silty clay
DI-44-01	D15	0' - 1'	4/28/2011	0.37	Silt, fine sand with some silt at 3"
		1' - 2'	4/28/2011	0.50	Silty sand
		2' - 3'	4/28/2011	0.19 J	Sandy silt
		3' - 4'	4/28/2011	0.22 J	Sandy silt
DI-51-01	E8	0' - 1'	4/27/2011	3.8 B	Clayey silt, silt
		1' - 2'	4/27/2011	<0.26 U	Clayey silt
		2' - 3'	4/27/2011	<0.24 U	Clayey silt, sandy silt, silty clay
		3' - 4'	4/27/2011	2.0 B	Sandy silt
DI-51-02	E8	0' - 1'	4/27/2011	0.53	Clayey silt
		1' - 2'	4/27/2011	0.13 J	Clayey silt, silt
DI-52-01	H7	0' - 1'	8/25/2011	0.042 J	Fine sand, trace silt, wet
		1' - 2'	8/25/2011	0.059 J	Fine sand, trace silt, wet
		2' - 3'	8/25/2011	0.059 J	Gravelly sand
		3' - 4'	8/25/2011	0.054 J	Gravelly sand
DI-53-01	I7	0' - 1'	4/29/2011	2.5	Sandy silt, organics, trace clay
		1' - 2'	4/29/2011	1.3 J [0.39 J]	Sandy silt, organics, trace clay
		2' - 3'	4/29/2011	0.39	Sandy silt, organics, trace clay
		3' - 4'	4/29/2011	0.13 J	Sandy silt, organics, trace clay
DI-53-02	I7	0' - 1'	4/29/2011	0.83	Clayey silt, sandy silt, silt, organics
		1' - 2'	4/29/2011	2.1	Sandy silt, silt, organics
DI-54-01	H9	0' - 1'	8/25/2011	0.18 J [0.15 J]	Fine sand, trace silt & organics
		1' - 2'	8/25/2011	0.11 J	Fine sand, trace silt & organics
		2' - 3'	8/25/2011	0.094 J	Fine sand, trace silt & organics
		3' - 4'	8/25/2011	0.096 J	Fine sand, trace silt & organics
DI-60-01	G6	0' - 1'	5/2/2011	<0.24 U	Clayey silt, silt, roots
		1' - 2'	5/2/2011	<0.24 U [<0.25 U]	Clayey silt, sandy silt
		2' - 3'	5/2/2011	<0.30 U	Sandy silt, fine to coarse gravel
		3' - 4'	5/2/2011	<0.30 U	Sandy silt, clay, silt, fine to coarse gravel
DI-61-01	H7	0' - 1'	5/2/2011	1.1	Silty clay, clayey silt, roots
		1' - 2'	5/2/2011	0.20 J	Clayey silt, sandy silt, gravel, roots
		2' - 3'	5/2/2011	0.099 J	Sandy silt, clayey silt, silty clay, gravel
		3' - 4'	5/2/2011	<0.24 U	Sandy silt, clayey silt, silty clay, gravel
DI-62-01	C15	0' - 1'	6/5/2013	31.2 J [16.6 J]	Clay and silt, some sand and gravel
		1' - 2'	6/5/2013	0.73	Silty clay, some sand and gravel
DI-62-02	C15	0' - 1'	6/5/2013	6.1	Clay and silt, some sand and gravel
		1' - 2'	6/5/2013	2.8	Silty clay, some sand and gravel

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DI-SB-01-05	D10	0' - 1'	5/2/2011	4.0	Silty sand, organics, trace gravel
		1' - 2'	5/2/2011	0.24	Silt, little clay, little fine sand
		2' - 3'	5/2/2011	0.23	Silt
		3' - 4'	5/2/2011	<0.26 U	Sandy silt, fine sand with trace clay at 3'-10"
		4' - 5'	5/2/2011	0.20 J	Silt with some fine sand, little clay
		5' - 6'	5/2/2011	0.26	Silty sand
		6' - 7'	5/2/2011	0.14 J	Silty sand
		7' - 8'	5/2/2011	0.16 J	Silty sand
		8' - 9'	5/2/2011	0.19 J	Silt with little clay, organic silt at 8'-8"
		9' - 10'	5/2/2011	0.45	Organic silt
DI-SB-03-05	D14	0' - 1'	5/2/2011	0.091 J	Silty sand, organics
		1' - 2'	5/2/2011	<0.25	Silty sand
		2' - 3'	5/2/2011	0.058 J	Silty sand
		3' - 4'	5/2/2011	0.069 J	Silty sand
		4' - 5'	5/2/2011	0.077 J [0.12 J]	Grades to Clayey silt, little fine sand
		5' - 6'	5/2/2011	0.065 J	Clayey silt
		6' - 7'	5/2/2011	0.12 J	Clayey silt
		7' - 8'	5/2/2011	0.13 J	Clayey silt, organics
		8' - 9'	5/2/2011	0.25	Silty clay
		9' - 10'	5/2/2011	<0.26	Silty clay
OCDDS-4	D11	0" - 6"	10/1996	3.8	---
OCDDS-5	C15	0" - 6"	10/1996	26.4	---
OCDDS-6	D14	0" - 6"	10/1996	0.14	---
OCDDS-7	E9	0" - 6"	10/1996	80.5	---
OCDDS-10	E7	0" - 6"	10/1996	0.4	---
Pre-SS-P1	F7	---	4/17/1997	1.3	---
Post-SS-P1	F7	---	5/15/1997	0.14	---
SA-SB-01-01	D10	0' - 1'	10/20/2003	15.8	Sand/Wood
		1' - 2'	10/20/2003	3.4	Clayey Sand
		2' - 3'	10/20/2003	<0.59	Clayey Sand
		3' - 4'	10/20/2003	<0.58	Clayey Sand
		4' - 5'	10/20/2003	442	Organic Silt/Sand
		5' - 6'	10/20/2003	0.86	Organic Silt/Sand to Clayey Sand
		6' - 7'	10/20/2003	4.3	Clayey Sand
SA-SB-01-02	D10	0' - 1'	10/20/2003	1.87	Sand
		1' - 2'	10/20/2003	<0.593	Sand
		2' - 3'	10/20/2003	<0.581	Sand
		3' - 4'	10/20/2003	<0.574	Sand
		4' - 5'	10/20/2003	<0.583	Sand
		5' - 6'	10/20/2003	431	Sand to Organic Silt/Sand
		6' - 7'	10/20/2003	46.1	Organic Silt/Sand
		7' - 8'	10/20/2003	<0.670	Clayey Sand
SA-SB-01-03	D10	0' - 1'	10/20/2003	2.64	Topsoil
		1' - 2'	10/20/2003	6.48 [3.86]	Silty Sand
		2' - 3'	10/20/2003	<0.611	Silty Sand
		3' - 4'	10/20/2003	<0.58	Silty Sand
		4' - 5'	10/20/2003	<0.592	Silty Sand
		5' - 6'	10/20/2003	<0.60	Silty Sand
		6' - 7'	10/20/2003	401	Organic Silt/Sand
		7' - 8'	10/20/2003	52.1	Organic Silt/Sand to Silty Clay
		8' - 9'	10/20/2003	<0.668	Silty Clay

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SA-SB-01-04	D10	0' - 1'	10/20/2003	1.36	Sand
		1' - 2'	10/20/2003	<0.597	Silty Sand
		2' - 3'	10/20/2003	<0.623	Silty Sand to Silty Clay
		3' - 4'	10/20/2003	<0.590 [<0.593]	Silty Clay
		4' - 5'	10/20/2003	<0.589	Silty Sand
		5' - 6'	10/20/2003	<0.597	Silty Sand
		6' - 7'	10/20/2003	<0.608	Silty Sand
		7' - 8'	10/20/2003	<0.608	Silty Sand
		8' - 9'	10/20/2003	79.1	Silty Sand to Organic Silt/Sand
		9' - 10'	10/20/2003	0.85	Organic Silt/Sand to Clay
SA-SB-02-01	E11	0' - 1'	10/24/2003	1.4	Silty Sand
		1' - 2'	10/24/2003	<0.55 [1.4]	Silty Sand
		2' - 3'	10/24/2003	<0.55	Silty Sand
		3' - 4'	10/24/2003	<0.54	Silty Sand
		4' - 5'	10/24/2003	1.6	Silty Sand
		5' - 6'	10/24/2003	322	Organic Silt/Sand
		6' - 7'	10/24/2003	<0.7	Organic Silt/Sand
		7' - 8'	10/24/2003	<0.59	Sandy Clay
		8' - 9'	10/24/2003	<0.61	Sand to Silty Clay
		9' - 10'	10/24/2003	<0.65	Silty Clay to Organic Silt/Sand
		10' - 11'	10/24/2003	<0.68	Organic Silt/Sand/ Gravel
		11' - 12'	10/24/2003	<0.57	Silty Clay
SA-SB-02-02	E11	0' - 1'	10/21/2003	0.761	Silty Sand
		1' - 2'	10/21/2003	<0.552	Silty Sand
		2' - 3'	10/21/2003	<0.577	Silty Sand
		3' - 4'	10/21/2003	<0.559	Silty Sand
		4' - 5'	10/21/2003	<0.577	Silty Sand
		5' - 6'	10/21/2003	<0.611	Silty Sand
		6' - 7'	10/21/2003	282	Silty Sand to Organic Silt/Sand
		7' - 8'	10/21/2003	144	Organic Silt/Sand
		8' - 9'	10/21/2003	121	Organic Silt/Sand
		9' - 10'	10/21/2003	6.6	Organic Silt/Sand to Silty Clay
		10' - 11'	10/21/2003	<0.62	Silty Clay
		11' - 12'	10/21/2003	<0.632	Silty Clay
SA-SB-02-03	E11	0' - 1'	10/21/2003	<0.621	Silty Sand
		1' - 2'	10/21/2003	<0.568	Silty Sand
		2' - 3'	10/21/2003	<0.571	Silty Sand
		3' - 4'	10/21/2003	<0.578	Silty Sand
		4' - 5'	10/21/2003	<0.568	Silty Sand
		5' - 6'	10/21/2003	<0.590	Silty Sand
		6' - 7'	10/21/2003	<0.585	Silty Sand
		7' - 8'	10/21/2003	0.682	Organic Silt/Sand
		8' - 9'	10/21/2003	39.2	Silty Sand
		9' - 10'	10/21/2003	<0.678	Organic Silt/Sand
		10' - 11'	10/21/2003	13.6	Organic Silt/Sand to Clayey Silt
		11' - 12'	10/21/2003	<0.668	Clayey Silt to Silty Clay
		12' - 13'	10/21/2003	<0.613	Silty Clay
SA-SB-02-04	E11	0' - 1'	10/21/2003	<0.659	Silty Sand
		1' - 2'	10/21/2003	<0.602	Silty Sand
		2' - 3'	10/21/2003	<0.588	Silty Sand to Sand
		3' - 4'	10/21/2003	<0.550	Sand
		4' - 5'	10/21/2003	<0.590	Sand
		5' - 6'	10/21/2003	<0.564	Sand
		6' - 7'	10/21/2003	<0.566	Sand
		7' - 8'	10/21/2003	<0.578	Sand
		8' - 9'	10/21/2003	<0.584	Sand
		9' - 10'	10/21/2003	<0.610	Organic Silt/Sand
		10' - 11'	10/21/2003	<0.621	Silt/Sand
		11' - 12'	10/21/2003	<0.629 [<0.620]	Silt/Sand
		12' - 13'	10/21/2003	<0.636	Silt/Sand
		13' - 14'	10/21/2003	98.4	Silt/Sand to Organic Silt/Sand

Table 1A
Soil Investigation Cadmium Concentrations
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SA-SB-03-01	D14	0' - 1'	10/21/2003	31.8	Silty Sand
		1' - 2'	10/21/2003	28.2	Silty Sand
		2' - 3'	10/21/2003	2.8	Silty Sand
		3' - 4'	10/21/2003	153	Silty Sand to Organic Silt/Sand
		4' - 5'	10/21/2003	372	Organic Silt/Sand
		5' - 6'	10/21/2003	1.8	Clayey Sand to Sand
SA-SB-03-02	D14	0' - 1'	10/21/2003	4.15	Silty Sand
		1' - 2'	10/21/2003	<0.566	Silty Sand
		2' - 3'	10/21/2003	<0.605	Silty Sand
		3' - 4'	10/21/2003	<0.608	Silty Sand
		4' - 5'	10/21/2003	142	Organic Silt/Sand
		5' - 6'	10/21/2003	36.6	Organic Silt/Sand
		6' - 7'	10/21/2003	3.58	Organic Silt/Sand
		7' - 8'	10/21/2003	<0.726	Organic Silt/Sand
SA-SB-03-03	D14	0' - 1'	10/21/2003	<0.638	Silty Sand
		1' - 2'	10/21/2003	<0.583 [<0.582]	Silty Sand
		2' - 3'	10/21/2003	<0.604	Silty Sand
		3' - 4'	10/21/2003	<0.633	Silty Sand
		4' - 5'	10/21/2003	<0.661	Silty Sand
		5' - 6'	10/21/2003	34.8	Silty Sand to Organic Silt/Sand
		6' - 7'	10/21/2003	14.1	Organic Silt/Sand
		7' - 8'	10/21/2003	<0.707	Organic Silt/Sand to Organic Silty Clay
		8' - 9'	10/21/2003	<0.677	Organic Silty Clay
SA-SB-03-04	D14	0' - 1'	10/21/2003	<0.629	Silty Sand
		1' - 2'	10/21/2003	<0.600	Silty Sand
		2' - 3'	10/21/2003	<0.590 [<0.590]	Silty Sand
		3' - 4'	10/21/2003	<0.578	Silty Sand
		4' - 5'	10/21/2003	<0.605	Silty Sand
		5' - 6'	10/21/2003	<0.610	Silty Sand
		6' - 7'	10/21/2003	<0.622	Silty Sand
		7' - 8'	10/21/2003	19.0	Silty Sand to Organic Sandy Silt
		8' - 9'	10/21/2003	<0.749	Organic Sandy Silt to Silty Clay
		9' - 10'	10/21/2003	1.61	Silty Sand
SA-SB-04-01	C15	0' - 1'	10/20/2003	<0.613	Silty Sand
		1' - 2'	10/20/2003	<0.589	Silty Sand
		2' - 3'	10/20/2003	<0.566	Silty Sand
		3' - 4'	10/20/2003	<0.572	Silty Sand
		4' - 5'	10/20/2003	<0.573	Clay/Silt
		5' - 6'	10/20/2003	<0.610	Clay/Silt
		6' - 7'	10/20/2003	<0.583	Clay/Silt
		7' - 8'	10/20/2003	<0.629	Clay/Silt
		8' - 9'	10/20/2003	7.84	Clay/Silt
		9' - 10'	10/20/2003	<0.671	Organic Silt/Sand
		10' - 11'	10/20/2003	3.73	Clay
SA-SB-04-02	C15	0' - 1'	10/20/2003	<0.597	Silty Sand
		1' - 2'	10/20/2003	<0.602	Silty Sand
		2' - 3'	10/20/2003	<0.586	Silty Sand
		3' - 4'	10/20/2003	<0.602	Silty Sand
		4' - 5'	10/20/2003	<0.573	Silty Sand to Sand
		5' - 6'	10/20/2003	<0.613 [<0.595]	Sand to Silty Sand
		6' - 7'	10/20/2003	139	Silty Clay to Organic Clayey Silt
		7' - 8'	10/20/2003	1.73	Organic Silt/Sand
		8' - 9'	10/20/2003	11.9	Organic Silt/Sand
SA-SB-04-03	C15	0' - 1'	10/20/2003	2.17	Silty Sand
		1' - 2'	10/20/2003	<0.588	Silty Sand
		2' - 3'	10/20/2003	<0.561	Silty Sand
		3' - 4'	10/20/2003	<0.617	Silty Sand
		4' - 5'	10/20/2003	<0.603	Silty Sand
		5' - 6'	10/20/2003	<0.635	Silty Sand
		6' - 7'	10/20/2003	1,920	Silty Sand to Organic Silt/Sand
		7' - 8'	10/20/2003	199	Organic Silt/Sand

Table 1A
Soil Investigation Cadmium Concentrations
NYS Thruway to Brookview Lane
Bloody Brook Site
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Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SA-SB-04-04	C15	0' - 1'	10/20/2003	5.3	Silty Sand
		1' - 2'	10/20/2003	<0.62	Sandy Silt
		2' - 3'	10/20/2003	<0.56	Sandy Silt
		3' - 4'	10/20/2003	<0.59	Silty Sand
		4' - 5'	10/20/2003	<0.58	Silty Sand
		5' - 6'	10/20/2003	84.7	Silty Sand to Organic Silt/Sand
		6' - 7'	10/20/2003	112	Organic Silt/Sand
		7' - 8'	10/20/2003	456	Silty Sand
SB-22	E9	0' - 1'	06/2002	0.68	---
SB-51	E4	0' - 1'	11/2002	266	Topsoil
		1' - 2'	11/2002	146	Sandy Silt
		2' - 3'	11/2002	4.9	Sandy Silt
		3' - 4'	11/2002	7.2	Sandy Silt
SB-52	G7	0' - 1'	11/2002	14.9	Topsoil
		1' - 2'	11/2002	22.1	Clayey Silt
		2' - 3'	11/2002	1.8	Clayey Silt
		3' - 4'	11/2002	<0.67	Clayey Silt
SB-53	F8	0' - 1'	11/2002	<0.61	Topsoil
		1' - 2'	11/2002	<0.58	Sandy Silt
		2' - 3'	11/2002	<0.56	Sandy Silt
		3' - 4'	11/2002	<0.55	Sandy Silt
SB-54	G9	0' - 1'	11/2002	1.7	Topsoil
		1' - 2'	11/2002	<0.58	Sandy Silt
		2' - 3'	11/2002	438	Sandy Silt/Peat
		3' - 4'	11/2002	1,800	Peat
SB-55	G9	0' - 1'	11/2002	47.7	Sandy Silt
		1' - 2'	11/2002	27.0	Sandy Silt
		2' - 3'	11/2002	35.8	Clayey Silt
		3' - 4'	11/2002	440	Peat
SB-57	E10	0' - 1'	11/2002	195	Top Soil
		1' - 2'	11/2002	98.9	Sandy Silt
		2' - 3'	11/2002	219	Sandy Silt/Peat
		3' - 4'	11/2002	420	Peat
SB-59	E10	0' - 1'	11/2002	42.5	Sandy Silt
		1' - 2'	11/2002	310	Sandy Silt
		2' - 3'	11/2002	84.5	Sandy Silt
		3' - 4'	11/2002	636	Sandy Silt
SB-60	C15	0' - 1'	11/2002	7.8	Silty Sand
		1' - 2'	11/2002	10.9	Clayey Silt
		2' - 3'	11/2002	4.5	Clayey Silt
		3' - 4'	11/2002	139	Clayey Silt/Peat
SB-201	E8	0' - 1'	11/2002	<0.61	Sandy Silt
		1' - 2'	11/2002	<0.58	Sandy Silt
		2' - 3'	11/2002	<0.55	Sandy Silt
		3' - 4'	11/2002	<0.56	Sand
SB-202	E10	0' - 1'	11/2002	20.4	Sandy Silt
		1' - 2'	11/2002	18.4	Silty Sand
		2' - 3'	11/2002	8.7	Sandy Silt
		3' - 4'	11/2002	2,330	Sandy Silt/Peat
SB-203	D12	0' - 1'	11/2002	6.1	Silty Sand
		1' - 2'	11/2002	<0.58	Silty Sand
		2' - 3'	11/2002	2.0	Silty Sand
		3' - 4'	11/2002	353	Silty Sand
SB-204	D12	0' - 1'	11/2002	98.1	Silty Sand
		1' - 2'	11/2002	47.6	Silty Sand
		2' - 3'	11/2002	80.4	Silty Sand
		3' - 4'	11/2002	219	Silty Sand/Peat

Table 1A
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NYS Thruway to Brookview Lane
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Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-205	D13	0' - 1'	11/2002	16.4	Topsoil
		1' - 2'	11/2002	2.6	Fill
		2' - 3'	11/2002	148	Fill/Sandy Silt
		3' - 4'	11/2002	291	Sandy Silt/Peat
SB-206	C14	0' - 1'	11/2002	29.4	Topsoil
		1' - 2'	11/2002	1.2	Sandy Silt
		2' - 3'	11/2002	79.8	Sandy Silt/Peat
		3' - 4'	11/2002	82.6	Peat
SB-207	D15	0' - 1'	11/2002	45.8	Topsoil
		1' - 2'	11/2002	233	Sandy Silt
		2' - 3'	11/2002	71.4	Sandy Silt
		3' - 4'	11/2002	125	Silty Sand
SB-217	C1	0' - 1'	10/29/2003	6.0	Organic Silt/Sand
		1' - 2'	10/29/2003	2.1	Organic Silt/Sand
		2' - 3'	10/29/2003	0.68	Sandy Silt
		3' - 4'	10/29/2003	<0.65	Clayey Silt
		4' - 5'	10/29/2003	<0.53	Till
SB-218	D1	0' - 1'	10/29/2003	0.76	Silty Sand
		1' - 2'	10/29/2003	<0.60	Silty Sand
		2' - 3'	10/29/2003	<0.60	Fill
		3' - 4'	10/29/2003	<0.67	Fill to Organic Silt Sand to Silt/Sand/Gravel
		4' - 5'	10/29/2003	<0.63	Silt/Sand/ Gravel
		5' - 6'	10/29/2003	<0.56	Silt/Sand/ Gravel/Peat
		6' - 7'	10/29/2003	<0.55	Till
SB-219	D4	0' - 1'	10/30/2003	466 [29]	Topsoil
		1' - 2'	10/30/2003	40.5	Organic Silt/Sand
		2' - 3'	10/30/2003	270	Organic Silt/Sand
		3' - 4'	10/30/2003	2,200	Organic Silt/Sand
		4' - 5'	10/30/2003	153	Silt/Sand/ Cobble
		5' - 6'	10/30/2003	<0.54	Till
SB-220	E4	0' - 1'	10/30/2003	<0.60	Silty Sand
		1' - 2'	10/30/2003	<0.57	Silty Sand
		2' - 3'	10/30/2003	<0.56	Silty Sand
		3' - 4'	10/30/2003	<0.58	Silty Sand
		4' - 5'	10/30/2003	<0.54	Silt/Sand/ Gravel/Cobble
		5' - 6'	10/30/2003	<0.56	Silt/Sand/ Gravel/Cobble
		6' - 7'	10/30/2003	<0.54	Silt/Sand/ Gravel/Cobble
		7' - 8'	10/30/2003	<0.56	Silt/Sand/ Gravel/Cobble
SB-221	E5	0' - 1'	10/28/2003	59.1	Silty Sand
		1' - 2'	10/28/2003	1,430	Silty Sand to Organic Silt/Sand
		2' - 3'	10/28/2003	2,090	Organic Silt/Sand
		3' - 4'	10/28/2003	13.3	Sandy Silt to Till
		4' - 5'	10/28/2003	<0.56	Till
SB-222	E4	0' - 1'	10/28/2003	434	Organic Silt/Sand
		1' - 2'	10/28/2003	36.4	Silty Sand
		2' - 3'	10/28/2003	1.3	Silty Sand
		3' - 4'	10/28/2003	0.65	Organic Silt/Sand
		4' - 5'	10/28/2003	8.1	Organic Silt/Sand
		5' - 6'	10/28/2003	<0.53	Till
SB-223	F5	0' - 1'	10/28/2003	1,960	Organic Silt/Sand
		1' - 2'	10/28/2003	389	Organic Silt/Sand
		2' - 3'	10/28/2003	7.5	Organic Silt/Sand
		3' - 4'	10/28/2003	2.5 [2.8]	Organic Silt/Sand
		4' - 5'	10/28/2003	26.6	Till
		5' - 6'	10/28/2003	<0.55	Till
		6' - 7'	10/28/2003	<0.533	Till
		7' - 8'	10/28/2003	<0.545	Till

Table 1A
Soil Investigation Cadmium Concentrations
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-224	F5	0' - 1'	10/28/2003	3.1	Silty Sand
		1' - 2'	10/28/2003	897	Silty Sand
		2' - 3'	10/28/2003	1,630	Organic Silt/Sand
		3' - 4'	10/28/2003	212	Organic Silt/Sand to Till
		4' - 5'	10/28/2003	17.5	Till
		5' - 6'	10/28/2003	<0.54	Till
		6' - 7'	10/28/2003	<0.546	Till
SB-225	G7	0' - 1'	10/27/2003	28.5	Silty Sand
		1' - 2'	10/27/2003	5.2	Silty Sand
		2' - 3'	10/27/2003	1,240	Organic Silt/Sand
		3' - 4'	10/27/2003	8.6	Organic Silt/Sand
		4' - 5'	10/27/2003	1,140	Organic Silt/Sand
		5' - 6'	10/27/2003	<0.50	Silty Sand/Gravel/Cobbles
		6' - 7'	10/27/2003	<0.51	Silty Sand/Gravel/Cobbles
		7' - 8'	10/27/2003	<0.52	Silty Sand/Gravel/Cobbles
SB-226	G7	0' - 1'	10/27/2003	15.4	Silty Sand
		1' - 2'	10/27/2003	124	Organic Silt/Sand
		2' - 3'	10/27/2003	4.2 [3.9]	Organic Silt/Sand
		3' - 4'	10/27/2003	0.80	Organic Silt/Sand
		4' - 5'	10/27/2003	4.3	Till
		5' - 6'	10/27/2003	<0.55	Till
		6'-7'	10/27/2003	<0.53	Till
		7' - 8'	10/27/2003	<0.53	Till
SB-227	D4	0' - 1'	10/28/2003	63.8	Silty Sand
		1' - 2'	10/28/2003	235	Silty Sand
		2' - 3'	10/28/2003	86.4	Sandy Silt
		3' - 4'	10/28/2003	13.7	Organic Silt/Sand to Till
SB-228	E6	0' - 1'	10/28/2003	1.5 [1.1]	Silty Sand To Silty Clay
		1' - 2'	10/28/2003	<0.59	Silty Sand
		2' - 3'	10/28/2003	5.6	Silty Sand/ Gravel
SB-400	E3	0' - 1'	10/30/2003	<0.59	Topsoil
		1' - 2'	10/30/2003	<0.56	Silty Sand
		2' - 3'	10/30/2003	<0.54	Silty Sand
		3' - 4'	10/30/2003	<0.53	Silty Sand
		4' - 5'	10/30/2003	<0.55	Silty Sand
		5' - 6'	10/30/2003	<0.55	Silty Sand
		6' - 7'	10/30/2003	<0.53	Silty Sand/ Gravel
		7' -8 '	10/30/2003	<0.54	Silty Sand/ Gravel
		8' - 9'	10/30/2003	<0.55	Sand
		9' - 10'	10/30/2003	<0.54	Sand
		10' - 11'	10/30/2003	<0.56	Silty Sand/ Gravel
		11' - 12'	10/30/2003	<0.53	Silty Sand/ Gravel
		12' - 13'	10/30/2003	<0.56	Silty Sand/ Gravel
		13' - 14'	10/30/2003	<0.54	Silty Sand/ Gravel
		14' - 15'	10/30/2003	<0.55	Silty Sand/ Gravel
		15' - 16'	10/30/2003	<0.54	Silty Sand/ Gravel
SB-401	B1	0' - 1'	10/28/2003	771	Organic Silt/Sand
		1' - 2'	10/28/2003	61.5	Organic Silt/Sand
		2' - 3'	10/28/2003	35.6	Organic Silt/Sand to Till
		3' - 4'	10/28/2003	<0.55	Till
SB-402	D2	0' - 1'	10/29/2003	<0.69	Organic Silt/Sand
		1' - 2'	10/29/2003	<0.63	Organic Silt/Sand
		2' - 3'	10/29/2003	<0.68	Organic Silt/Sand/Gravel
		3' - 4'	10/29/2003	<0.63	Organic Silt/Sand/Gravel
		4' - 5'	10/29/2003	<0.64	Organic Silt/Sand/Gravel
		5' - 6'	10/29/2003	<0.61 [<0.61]	Organic Silt/Sand/Gravel to Sand
		6' - 7'	10/29/2003	<0.56	Till
SB-403	D4	0' - 1'	10/30/2003	16.3	Organic Silt/Sand
		1' - 2'	10/30/2003	38.3	Organic Silt/Sand
		2' - 3'	10/30/2003	89.1	Silt/Sand/Gravel/Cobble
		3' - 4'	10/30/2003	5.3	Silt/Sand/Gravel/Cobble

Table 1A
Soil Investigation Cadmium Concentrations
NYS Thruway to Brookview Lane
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Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-404	E4	0' - 1'	10/28/2003	9.8 [10.3]	Silty Sand
		1' - 2'	10/28/2003	1.3	Silty Sand
		2' - 3'	10/28/2003	<0.57	Silty Sand
		3' - 4'	10/28/2003	<0.54	Silty Sand
		4' - 5'	10/28/2003	<0.53	Till
SB-405	F6	0' - 1'	10/28/2003	<0.61	Silty Sand
		1' - 2'	10/28/2003	<0.64	Silty Sand
		2' - 3'	10/28/2003	<0.56	Sand/Gravel
		3' - 4'	10/28/2003	<0.60	Fill
		4' - 5'	10/28/2003	<0.63	Fill
		5' - 6'	10/28/2003	<0.54	Silty Sand
		6' - 7'	10/28/2003	<0.53	Till
SB-406	G7	0' - 1'	10/27/2003	0.92	Gravel
		1' - 2'	10/27/2003	<0.56	Silty Sand
		2' - 3'	10/27/2003	<0.52 [<0.55]	Silty Sand
		3' - 4'	10/27/2003	<0.55	Silty Sand
		4' - 5'	10/27/2003	<0.56	Silty Sand
		5' - 6'	10/27/2003	<0.53	Silty Sand
		6' - 7'	10/27/2003	<0.53	Silty Sand
		7' - 8'	10/27/2003	<0.54	Silty Sand
SB-407	H7	0' - 1'	10/30/2003	170	Silty Sand
		1' - 2'	10/30/2003	0.86	Silty Sand
		2' - 3'	10/30/2003	<0.59 [<0.58]	Organic Silt/Sand
		3' - 4'	10/30/2003	<0.60	Organic Silt/Sand
		4' - 5'	10/30/2003	49.1	Organic Silt/Sand to Peat
		5' - 6'	10/30/2003	<0.56	Till
SB-408	F8	0' - 1'	10/27/2003	1.1	Silty Sand
		1' - 2'	10/27/2003	<0.62	Silty Sand
		2' - 3'	10/27/2003	<0.54	Silty Sand
		3' - 4'	10/27/2003	<0.52	Sand/Gravel/Cobbles
		4' - 5'	10/27/2003	<0.52	Sand/Gravel/Cobbles
		5' - 6'	10/27/2003	<0.52	Sand/Gravel/Cobbles
		6' - 7'	10/27/2003	<0.56	Clayey Silt
		7' - 8'	10/27/2003	<0.54	Clayey Silt
SB-409	G8	0' - 1'	10/28/2003	61.6	Silty Sand
		1' - 2'	10/28/2003	0.7	Silty Sand
		2' - 3'	10/28/2003	<0.57	Silty Sand
		3' - 4'	10/28/2003	<0.59	Silty Sand
		4' - 5'	10/28/2003	4.4	Silty Sand
		5' - 6'	10/28/2003	992 [1,360]	Silty Sand to Organic Silt/Sand
		6' - 7'	10/28/2003	2.4	Organic Silt/Sand
		7' - 8'	10/28/2003	0.96	Sand/Gravel
		8' - 9'	10/28/2003	1,540	Peat to Organic Silt/Sand
		9' - 10'	10/28/2003	1.2	Organic Silt/Sand to Sand/Gravel
		10' - 11'	10/28/2003	<0.56	Sand/Gravel
		11' - 12'	10/28/2003	<0.53	Till
SB-410	G9	0' - 1'	10/28/2003	1.6	Silty Sand
		1' - 2'	10/28/2003	16.3	Silty Sand
		2' - 3'	10/28/2003	4,230	Silty Sand to Peat
		3' - 4'	10/28/2003	7.7	Peat
		4' - 5'	10/28/2003	463	Peat to Clayey Silt
		5' - 6'	10/28/2003	1.4	Organic Silt/Sand
SB-411	H8	0' - 1'	10/28/2003	3.6	Silty Sand
		1' - 2'	10/28/2003	4.3	Silty Sand
		2' - 3'	10/28/2003	<1.0	Organic Silt/Sand
		3' - 4'	10/28/2003	<0.78	Organic Silt/Sand
		4' - 5'	10/28/2003	2.1	Organic Silt/Sand
		5' - 6'	10/28/2003	<0.63	Organic Silt/Sand to Sand/Gravel
		6' - 7'	10/28/2003	<0.60 [<0.63]	Sand
		7' - 8'	10/28/2003	<0.56	Sand to Till

Table 1A
Soil Investigation Cadmium Concentrations
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-412	H8	0' - 1'	10/28/2003	11.4	Silty Sand
		1' - 2'	10/28/2003	71.8	Silty Sand
		2' - 3'	10/28/2003	2,360	Peat
		3' - 4'	10/28/2003	1,140	Peat to Organic Silt/Sand
		4' - 5'	10/28/2003	1,730	Organic Silt/Sand
		5' - 6'	10/28/2003	13.6	Organic Silt/Sand
		6' - 7'	10/28/2003	16.3	Till
		7' - 8'	10/28/2003	1.1	Till
SB-413	E10	4' - 5'	10/20/2003	2.2	Organic Silt/Sand
		5' - 6'	10/20/2003	3.5	Organic Clayey Sand
		6' - 7'	10/20/2003	<0.85	Organic Silt/Sand
SB-414	E10	0' - 1'	10/24/2003	96.1	Sandy Silt
		1' - 2'	10/24/2003	16.0	Sandy Silt
		2' - 3'	10/24/2003	14.7 [13.9]	Sandy Silt
		3' - 4'	10/24/2003	5,350	Sandy Silt
		4' - 5'	10/24/2003	120	Organic Silt/Sand
		5' - 6'	10/24/2003	6.9	Organic Silt/Sand to Clayey Silt
		6' - 7'	10/24/2003	1.3	Organic Clayey Silt
		7' - 8'	10/24/2003	<0.72	Organic Silt/Sand
SB-435	C1	0' - 1'	4/28/2004	166	Silty Sand
		1' - 2'	4/28/2004	24.4	Silty Sand
		2' - 3'	4/28/2004	4.43 [4.87]	Till
SB-436	B1	0' - 1'	4/28/2004	23.4	Organic Silt
		1' - 2'	4/28/2004	2.55	Organic Silt
		2' - 3'	4/28/2004	<0.736	Organic Silt
SB-437	B2	0' - 1'	4/28/2004	<0.655	Organic Silt
		1' - 2'	4/28/2004	<0.644	Organic Silt
		2' - 3'	4/28/2004	<0.596	Silt
		3' - 4'	4/28/2004	<0.605	Silt
SB-438	C4	0' - 1'	4/28/2004	1.91	Organic Silty Sand
		1' - 2'	4/28/2004	1.03	Organic Silty Sand
		2' - 3'	4/28/2004	4.63	Silty Sand
		3' - 4'	4/28/2004	5.65	Silty Sand
SB-439	E4	0' - 1'	4/28/2004	<0.641	Organic Silty Sand
		1' - 2'	4/28/2004	<0.634 [<0.628]	Organic Silty Sand
SB-440	E6	0' - 1'	4/28/2004	<0.644	Silty Sand
		1' - 2'	4/28/2004	<0.614	Sand
		2' - 3'	4/28/2004	<0.576	Sand
		3' - 4'	4/28/2004	<0.590	Sand
		4' - 5'	4/28/2004	<0.610	Sand
SB-441	F5	0' - 1'	4/28/2004	13.4	Organic Silty Sand
		1' - 2'	4/28/2004	7.13	Organic Silty Sand
		2' - 3'	4/28/2004	2.37	Silty Sand
SB-442	G7	0' - 1'	4/28/2004	0.685	Organic Silty Sand
		1' - 2'	4/28/2004	<0.618	Organic Silty Sand
		2' - 3'	4/28/2004	<0.618	Sandy Silty Clay
SB-443	G7	0' - 1'	4/28/2004	0.962	Silty Sand
		1' - 2'	4/28/2004	<0.663	Silty Sand
		2' - 3'	4/28/2004	<0.871	Organic Silt
		3' - 4'	4/28/2004	<0.624	Silty Sandy Clay
SB-444	H8	0' - 1'	4/28/2004	71.3	Sandy Silt
		1' - 2'	4/28/2004	6.06	Sandy Silt
		2' - 3'	4/28/2004	28.4	Sandy Silt
		3' - 4'	4/28/2004	1.05	Sandy Silt
		4' - 5'	4/28/2004	0.973	Sandy Silt
SB-445	G7	0' - 1'	4/28/2004	11.3	Silty Sand
		1' - 2'	4/28/2004	5.31	Silty Clay
		2' - 3'	4/28/2004	1.28	Silty Clay
		3' - 4'	4/28/2004	1,910 [2,710]	Organic Silt
		4' - 5'	4/28/2004	58.4	Silty Sand

Table 1A
Soil Investigation Cadmium Concentrations
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-448	H9	0' - 1'	4/28/2004	1.66	Silty Sand
		1' - 2'	4/28/2004	<0.608	Sandy Silt
		2' - 3'	4/28/2004	<0.605	Sandy Silt
		3' - 4'	4/28/2004	3,800	Sandy Silt
		4' - 5'	4/28/2004	2,120	Sandy Silt
		5' - 6'	4/28/2004	16.9	Sand & Silt
SB-449	G9	0' - 1'	4/29/2004	<0.665	Organic Silt
		1' - 2'	4/29/2004	<0.605	Organic Clayey Silt
		2' - 3'	4/29/2004	<0.609	Clayey Silt
		3' - 4'	4/29/2004	<0.613	Clayey Silt
		4' - 5'	4/29/2004	<0.64	Clayey Silt
		5' - 6'	4/29/2004	<0.619	Silty Clay
		6' - 7'	4/29/2004	84.7	Clayey Silt
		7' - 8'	4/29/2004	2,220	Organic Silt
		8' - 9'	4/29/2004	8.27	Silt
		9' - 10'	4/29/2004	14.6	Sandy Silt
		10' - 11'	4/29/2004	18.3	Organic Silt
		11' - 11.5'	4/29/2004	8.21	Sandy Silt
SB-450	F9	0' - 1'	4/29/2004	27.3	Sandy Silt
		1' - 2'	4/29/2004	26.9	Sand
		2' - 3'	4/29/2004	38.0	Organic Clayey Silt
		3' - 4'	4/29/2004	10.4	Silt
		4' - 4.5'	4/29/2004	1.44	Silty Sand
SB-451	F9	0' - 1'	4/29/2004	9.4	Organic Sandy Silt
		1' - 2'	4/29/2004	3.53 [0.671]	Sandy Silt
		2' - 3'	4/29/2004	196	Sandy Silt
		3' - 4'	4/29/2004	1,390	Silty Sand
SB-452	E10	0' - 1'	4/29/2004	<0.654	Topsoil
		1' - 2'	4/29/2004	<0.623	Clayey Silt
SB-456	E10	0' - 1'	4/29/2004	<0.607	Clayey Silt
		1' - 2'	4/29/2004	<0.620	Silt
		2' - 3'	4/29/2004	<0.619	Sandy Silt
		3' - 4'	4/29/2004	<0.605	Clayey Silt
		4' - 5'	4/29/2004	<0.588	Clayey Silt
		5' - 6'	4/29/2004	1.46	Sandy Silt
SB-457	C2	0' - 1'	4/29/2004	84.5	Organic Silt
		1' - 2'	4/29/2004	12.5	Sandy Silt
		2' -2.25'	4/29/2004	3.9	Sandy Silt
SB-458	C2	0' - 1'	4/29/2004	188	Organic Sandy Silt
		1' - 2'	4/29/2004	15.5	Silt
SB-459	C2	0' - 1'	4/29/2004	21.6	Clayey Silt
		1' - 2'	4/29/2004	1.96	Organic Clayey Silt
		2' - 3'	4/29/2004	30.3	Organic Clayey Silt
SSSWP-1	F8	0" - 6"	12/19/2007	7.0 [10.8]	---
		6" - 24"	12/19/2007	25.8	---
SSSWP-1E	F8	0" - 6"	4/27/2011	18.4	Gravelly sand with some silt, organics
		6" - 12'	4/27/2011	33.9	Gravelly sand with some silt, organics
		1' - 2'	4/27/2011	26.3	Silty sand with trace gravel, organics, clay
SSSWP-1N	F8	0" - 6"	4/27/2011	1.8	Silt and fine sand, organics
		6" - 12'	4/27/2011	0.045 J	Fine sand
		1' - 2'	4/27/2011	0.048 J	Fine sand, wet
SSSWP-1R	F8	0" - 6"	4/27/2011	8.3	Silt with little fine sand, trace gravel, organics
		6" - 12'	4/27/2011	0.72	Fine sand, trace gravel
		1' - 2'	4/27/2011	2.9	Fine sand, trace gravel
SSSWP-1S	F8	0" - 6"	4/27/2011	6.8	Sandy silt with organics
		6" - 12'	4/27/2011	4.3	Sandy silt with organics
		1' - 2'	4/27/2011	3.2	Sandy silt with organics, trace gravel
SSSWP-1W	F8	0" - 6"	4/27/2011	2.6	Sandy silt with organics
		6" - 12'	4/27/2011	0.40	Silty sand with organics
		1' - 2'	4/27/2011	0.58 J	Fine sand

Table 1A
Soil Investigation Cadmium Concentrations
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SSSWP-2	F7	0" - 6"	12/19/2007	2.2	---
		6" - 15"	12/19/2007	0.62	---
SSSWP-3	F7	0" - 6"	12/19/2007	0.77	---
		6" - 24"	12/19/2007	<0.05	---
SSSWP-4	F6	0" - 6"	12/19/2007	4.7	---
		6" - 24"	12/19/2007	<0.04	---
SSSWP-5	E5	0" - 6"	12/19/2007	3.2	---
		6" - 24"	12/19/2007	0.28	---

Notes:

1. Boring locations are shown on Figure 4A.
2. Figure coordinates correspond to coordinate system shown on Figure 4A.
3. mg/kg = milligrams/kilograms (equivalent to ppm = parts per million).
4. Duplicate results are presented in brackets.
5. B - Compound was found in the blank and sample.
6. J - The detected concentration is an estimated value.
7. U - Result edited to reflect non-detect by data validation company due to presence of cadmium in the associated preparation blank at similar concentrations.
8. < - Analyte not detected at the reporting limit shown.

Table 1B
Soil Investigation Cadmium Concentrations
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
B-6	E29	0.80' - 1.5'	11/24/2003	0.97	---
		1.5' - 7.5'	11/24/2003	<0.59	---
B-7	D29	0' - 1.5'	11/24/2003	2	---
		1.5' - 10'	11/24/2003	2.5	---
B-8	E28	0' - 2.5'	11/24/2003	0.72	---
		2.5' - 10'	11/24/2003	0.93	---
B-9	F27	0' - 1'	11/24/2003	<0.62	---
		1' - 10'	11/24/2003	<0.57	---
B-10	F22	0' - 1.5'	11/25/2003	7	---
		1.5' - 10'	11/25/2003	0.95	---
DI-04-01	F17	0' - 1'	4/25/2011	1.7	Silt with little clay & little sand
		5' - 6'	4/25/2011	0.29	Silty clay with some fine sand
		6' - 7'	4/25/2011	1.4	Clay with little silt (organics)
		7' - 8'	4/25/2011	332	Clay with little silt (organics)
		8' - 9'	4/25/2011	0.98	Clay with little silt (organics)
DI-05-01	F17	0' - 1'	4/24/2015	30.3	Brown loam, some silt
		1' - 2'	4/24/2015	7.8	Brown silt, angular gravel, trace fine sand
		2' - 3'	4/24/2015	14	Brown silt, angular gravel, trace fine sand
		3' - 4'	4/24/2015	0.16 J	Tan to brown silt, little fine sand
		4' - 5'	4/24/2015	0.091 J	Tan to brown silt, little low plasticity clay
		5' - 6'	4/24/2015	0.83	Tan to brown silt, some medium plasticity clay
		6' - 7'	4/24/2015	0.051 J	Brown high plasticity clay, little silt
		7' - 8'	4/24/2015	0.13 J	Tan to brown high plasticity clay
DI-05-02	F17	0' - 1'	5/26/2015	1.3	Brown fine sand, some silt, little fine gravel
		1' - 2'	5/26/2015	0.21 J	Brown silt, some fine sand, trace fine gravel
		2' - 3'	5/26/2015	2.9	Brown silt, some fine sand, trace fine gravel
		3' - 4'	5/26/2015	10.2	Brown silt, some fine sand, trace fine gravel
DI-05-03	F18	0' - 1'	5/26/2015	14.9	Brown silt, little fine sand, trace fine gravel
		1' - 2'	5/26/2015	3.7	Brown to tan silt, some clay, trace fine sand
		2' - 3'	5/26/2015	0.14 J	Brown low plasticity clay, some silt
		3' - 4'	5/26/2015	16.3	Brown silt, little clay, trace fine sand
DI-05-04	F18	0' - 1'	6/17/2015	52.9 [27.3]	Brown very fine sand and silt
		1' - 2'	6/17/2015	87.4	Brown fine sand, gravel
		2' - 3'	6/17/2015	3.3	Brown fine sand, gravel
		3' - 4'	6/17/2015	0.45	Brown fine sand, gravel
DI-05-05	F18	0' - 1'	6/17/2015	0.22 J	Very fine brown sand, silt
		1' - 2'	6/17/2015	0.11 J	Brown silt, some very fine sand, trace clay
DI-06-01	F18	0' - 1'	4/25/2011	1.4	Fine sand with little silt
		1' - 2'	4/25/2011	0.19 J	Fine sand with little silt
		2' - 3'	4/25/2011	0.24	Silt with some fine sand & trace clay
		3' - 4'	4/25/2011	0.25	Silt with some fine sand & trace clay
		4' - 5'	4/25/2011	0.47	Silt with some fine sand & trace clay
		5' - 6'	4/25/2011	10.5	Silt with little sand & little clay
		6' - 7'	4/25/2011	0.48	Silt with little sand & little clay
		7' - 8'	4/25/2011	<0.26 U	Gray clay at 7'-6"
DI-06-02	F18	4' - 5'	4/25/2011	0.20 J	Silt with little clay
		5' - 6'	4/25/2011	3.2	Silt with little clay
		6' - 7'	4/25/2011	0.26 J	Silt with little clay
DI-07-01	F20	0' - 1'	8/14/2009	28.8 J	Silt & sand/gravel & organics
		1' - 2'	8/14/2009	32.2 J [36.1 J]	Silty clay/gravel
		2' - 3'	8/14/2009	20.7 J	Silt & sand
		3' - 4'	8/14/2009	1.16 J	Silt & clay
DI-07-02	F20	0' - 1'	8/14/2009	32.4 J	Silty clay/gravel & organics
		1' - 2'	8/14/2009	5.98 J	Silt & clay/gravel
		2' - 3'	8/14/2009	10.8 J	Silt & clay/gravel
		3' - 4'	8/14/2009	12.1 J	Silt & sand/clay
		4' - 5'	8/14/2009	6.11 J	Silt & sand/clay
		5' - 6'	8/14/2009	5.25 J	Silt & sand/clay

Table 1B
Soil Investigation Cadmium Concentrations
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-07-03	F20	0' - 1'	8/14/2009	0.422	Silt & clay/gravel & organics
		1' - 2'	8/14/2009	0.535	Silt & clay
		2' - 3'	8/14/2009	7.38	Silt & clay
		3' - 4'	8/14/2009	3.39	Silty clay
		4' - 5'	8/14/2009	5.06	Silt & sand/clay & gravel
		5' - 6'	8/14/2009	73	Silt & clay
		6' - 7'	8/14/2009	<0.267	Silty clay/sand
		7' -8'	8/14/2009	<0.261	Silt & sand
		8' - 9'	8/14/2009	0.277 J	Silty clay/sand
		9' -10'	8/14/2009	1.49	Silty clay to sand
		10' - 11'	8/14/2009	<0.243	Sand/clay to silty clay
DI-08-01	F21	0' - 1'	4/26/2011	0.25	Clayey silt, sand
		1' - 2'	4/26/2011	0.24	Sand, silty clay
		2' - 3'	4/26/2011	0.38	Silty clay
		3' - 4'	4/26/2011	0.10 J	Silty clay
		4' - 5'	4/26/2011	5.6	Clayey silt, silty clay
		5' - 6'	4/26/2011	1.0	Silty clay, clayey silt
DI-09-01	F21	0 - 1'	9/21/2009	0.601	Sand & Silt, trace organics & gravel
		1 - 2'	9/21/2009	0.270	Sand & silt, trace organics & gravel
		2 - 3'	9/21/2009	5.74	Sand & silt, trace organics & gravel
		3 - 4'	9/21/2009	0.246	Silt & sand, trace gravel
		4 - 5'	9/21/2009	0.254	Sand & silt
		5 - 6'	9/21/2009	4.21	Silt & sand, trace gravel
		6 - 7'	9/21/2009	9.12	Silt
DI-09-02	F21	0 - 1'	9/21/2009	3.45	Sand & silt, organics
		1 - 2'	9/21/2009	10.7	Sand & silt, organics
		2 - 3'	9/21/2009	0.982	Sand & silt, organics & trace clay
		3 - 4'	9/21/2009	0.77	Silt & sand, trace organics
		4 - 5'	9/21/2009	9.40	Silt & sand, trace organics
		5 - 6'	9/21/2009	5.76	Silty clay & fine sand
		6 - 7'	9/21/2009	3.55	Fine sand & silt
DI-09-03	G21	0' - 1'	4/25/2011	0.98	Silt, silty sand, trace gravel
		1' - 2'	4/25/2011	6.6	Silty sand, silt, clay, trace gravel
DI-09-04	G21	0' - 1'	4/25/2011	0.72	Silty clay, clay
		1' - 2'	4/25/2011	0.72	Silty clay
DI-10-01	G22	0' - 1'	4/25/2011	5.5 B	Silty clay, clayey silt
		1' - 2'	4/25/2011	2.4 B	Silty clay, clay
DI-11-01	F22	0' - 1'	8/14/2009	7.21	Silt & sand/ organics & gravel
		1' - 2'	8/14/2009	6.38	Silt with sand/organics & clay
		2' - 3'	8/14/2009	3.76	Silt with sand/clay & gravel
		3' - 4'	8/14/2009	49	Silt with sand/clay & gravel
DI-11-02	F22	0' - 1'	8/14/2009	0.431 [0.276]	Silt with gravel/organics
		1' - 2'	8/14/2009	0.062 J	Silt with clay/gravel & organics
		2' - 3'	8/14/2009	0.266	Silt with gravel
		3' - 4'	8/14/2009	0.240	Silt
		4' - 5'	8/14/2009	0.213 J	Silt with gravel
		5' - 6'	8/14/2009	0.074 J	Silt with gravel
DI-11-03	F22	0' - 1'	8/14/2009	<0.261	Silt & clay/organics & gravel
		1' - 2'	8/14/2009	0.523	Silt & clay/organics & gravel
		2' - 3'	8/14/2009	0.154 J	Silt with gravel/organics
		3' - 4'	8/14/2009	0.327	Silt with gravel/organics
		4' - 5'	8/14/2009	<0.253	Silt with gravel/organics
		5' - 6'	8/14/2009	0.061 J	Silt with gravel/organics, some sand
		6' - 7'	8/14/2009	<0.243	Silt with gravel/organics, some sand
		7' -8'	8/14/2009	<0.250	Silt with gravel/organics, some sand
		8' - 9'	8/14/2009	<0.265	Silt/clay
		9' -10'	8/14/2009	<0.235	Silty clay/sand
		10' - 11'	8/14/2009	<0.267	Silty clay/sand

Table 1B
Soil Investigation Cadmium Concentrations
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-13-01	F27	0' - 1'	8/23/2011	1.4	Fine sand, some gravel, organics
		1' - 2'	8/23/2011	2.7	Fine sand, some gravel, organics
		2' - 3'	8/23/2011	0.30	Fine sand, little silt, trace gravel
		3' - 4'	8/23/2011	0.35	Silty fine sand - silt increasing with depth
		4' - 5'	8/23/2011	0.19 J [0.14 J]	Sandy silt to 4'-6" then silty clay
		5' - 6'	8/23/2011	0.22 J	Clay, trace silt
		6' - 7'	8/23/2011	0.16 J	Clay, trace silt
DI-13-02	F27	0' - 1'	8/23/2011	4.6	Fine sand, little gravel, trace silt (organics)
		1' - 2'	8/23/2011	2.3	Fine sand, some gravel, little silt (organics)
		2' - 3'	8/23/2011	0.38	Fine sand, little silt, trace gravel
		3' - 4'	8/23/2011	0.30	Silty sand, trace clay (mottling), trace gravel
DI-13-03	F27	0' - 1'	8/23/2011	0.91	Fine sand, some gravel, organics
		1' - 2'	8/23/2011	0.072 J	Fine sand, some gravel
		2' - 3'	8/23/2011	0.25	Fine sand, some gravel, organics
		3' - 4'	8/23/2011	0.11 J	Fine sand, some gravel, organics
		4' - 5'	8/23/2011	5.8	Clayey silt, increasing clay with depth
		5' - 6'	8/23/2011	1.1	Silty clay to 5'-8" then silt
		6' - 7'	8/23/2011	<0.22	Clayey silt
DI-14-01	E27	0' - 1'	8/23/2011	0.50	Sand, some gravel, trace silt
		1' - 2'	8/23/2011	0.14 J [0.40]	Sand, some gravel, some silt
		2' - 3'	8/23/2011	0.15 J	Sand, some gravel, some silt, trace clay
		3' - 4'	8/23/2011	0.045 J	Sand, some gravel, trace silt
		4' - 5'	8/23/2011	5.3	Sand, some gravel, trace silt to 4'-6" then silt, trace clay
		5' - 6'	8/23/2011	78.1	Silt with organics, trace clay
		6' - 7'	8/23/2011	0.42	Silt with less organics, trace clay
DI-14-02	E27	4' - 5'	8/23/2011	0.058 J	Sand, some gravel, trace silt
		5' - 6'	8/23/2011	4.9 J	Sand, some gravel, trace silt to 5'-6" then silt, organics, trace clay
		6' - 7'	8/23/2011	4.6 J	Silt, organics, trace clay
		7' - 8'	8/23/2011	0.52 J	Clayey silt, trace fine sand
DI-15-01	C30	0' - 1'	8/22/2011	0.62	Silty sand, little gravel, trace clay
		1' - 2'	8/22/2011	15.2	Silty sand, little gravel, trace clay
		2' - 3'	8/22/2011	18	Silty sand, little gravel, trace clay
		3' - 4'	8/22/2011	4.9	Silty sand, little gravel, trace clay
		4' - 5'	8/22/2011	0.27	Silt, trace clay
		5' - 6'	8/22/2011	0.21 J	Silt, little clay
		6' - 7'	8/22/2011	0.19 J	Silt, little clay
DI-15-02	C30	0' - 1'	8/22/2011	2.5	Silty sand & gravel, trace clay
		1' - 2'	8/22/2011	3.7	Silty sand & gravel, trace clay
		2' - 3'	8/22/2011	2.3	Sandy silt with little gravel, trace clay
		3' - 4'	8/22/2011	2.9	Sandy silt with little gravel, trace clay
		4' - 5'	8/22/2011	1.5	Silt, little clay (green & red mottling)
		5' - 6'	8/22/2011	0.26 [0.20 J]	Silt, little clay
		6' - 7'	8/22/2011	0.14 J	Silt, little clay
DI-32A-01	F20	0 - 1'	9/21/2009	0.276 [0.215 J]	Silt, organics and gravel
		1 - 2'	9/21/2009	1.72	Sand & silt, gravel
		2 - 3'	9/21/2009	4.71	Sand & silt, gravel
		3 - 4'	9/21/2009	0.591	Sand & silt, gravel
		4 - 5'	9/21/2009	78.6	Sand & silt, gravel
		5 - 6'	9/21/2009	6.53	Sand & silt, gravel
DI-32C-01	F21	0 - 1'	9/21/2009	0.444	Sand & silt, organics
		1 - 2'	9/21/2009	1.19	Sand & silt, gravel
		2 - 3'	9/21/2009	0.238 [0.180 J]	Sand & silt, gravel
		9 - 10'	9/21/2009	<0.255	Silty clay
		10 - 11'	9/21/2009	<0.235	Silty clay
DI-32C-02	F21	0 - 1'	9/21/2009	0.460	Sand & silt, organics
		1 - 2'	9/21/2009	1.32	Sand & silt, organics
		2 - 3'	9/21/2009	0.164 J	Silt & sand, trace clay

Table 1B
Soil Investigation Cadmium Concentrations
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
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Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-32-01	E18	0' - 1'	4/24/2015	0.28	Brown loam, some low plasticity clay, little silt
		1' - 2'	4/24/2015	0.076 J [0.22 J]	Tan silt, some low plasticity clay
		2' - 3'	4/24/2015	0.068 J	Tan silt, some low plasticity clay
		3' - 4'	4/24/2015	0.30	Tan low plasticity clay, some silt
		4' - 5'	4/24/2015	1.9	Tan to brown silt, some clay, trace fine sand
		5' - 6'	4/24/2015	2.0	Tan to brown silt, some clay, trace fine sand
		6' - 7'	4/24/2015	90.9 [86.7]	Tan to brown silt, some clay, trace fine sand
		7' - 8'	4/24/2015	10.6	Tan to brown silt, some clay, trace fine sand
DI-32-02	E18	5' - 6'	4/24/2015	0.21 J	Brown silt, some high plasticity clay
		6' - 7'	4/24/2015	0.23 J	Brown high plasticity clay, some silt
		7' - 8'	4/24/2015	75.3	Brown high plasticity clay, some silt
DI-33-01	G23	0' - 1'	8/11/2009	2.26	Gravel/silt and sand
		1' - 2'	8/11/2009	2.48	Silty clay with gravel
		2' - 3'	8/11/2009	2.05 [2.74]	Silty clay with gravel
		3' - 4'	8/11/2009	3.95	Silty clay with gravel/organics
		4' - 5'	8/11/2009	2.73	Silty clay with gravel/organics
DI-34-01	G24	0' - 1'	8/24/2011	22.0	Fine sandy silt, trace clay & organics
		1' - 2'	8/24/2011	101	Sandy silt, trace clay
		2' - 3'	8/24/2011	5.0	Sandy silt, trace clay
		3' - 4'	8/24/2011	0.51	Silt
DI-34-02	G24	0' - 1'	8/24/2011	48.2 J	Silt, some fine sand, little clay
		1' - 2'	8/24/2011	8.8 J	Silt, little fine sand, little clay
		2' - 3'	8/24/2011	23.2 J	Silt, little to trace clay
		3' - 4'	8/24/2011	15.6 J	Silt, little fine sand, little clay
DI-45-01	F19	0' - 1'	4/25/2011	3.6	Clay, silty clay
		1' - 2'	4/25/2011	0.33	Clay, silty clay, fine sand
		2' - 3'	4/25/2011	0.62	Clay, silty clay, silt, trace fine sand
		3' - 4'	4/25/2011	530	Clay, silty clay, organics
		4' - 5'	4/25/2011	4.5	Clay, silty clay, occasional roots
		5' - 6'	4/25/2011	2.8	Clay, clayey silt, silt, sandy silt
		6' - 7'	4/25/2011	9.5	Clayey silt, clay, sandy silt
		7' - 8'	4/25/2011	0.58	Clay
DI-45-02	F19	0' - 1'	4/25/2011	4.1	Clay
		1' - 2'	4/25/2011	1.9	Clay, silty clay
		2' - 3'	4/25/2011	2.5	Clay, silty clay
		3' - 4'	4/25/2011	2.6	Clay, silty clay
DI-45-03	F19	0' - 1'	4/25/2011	0.50	Clay, silty clay
		1' - 2'	4/25/2011	0.21 J	Clay, silty clay
DI-46-01	F21	0' - 1'	4/27/2011	3.6	Clayey silt, silty clay, trace gravel
		1' - 2'	4/27/2011	0.83	Silty clay, clayey silt, gravel
DI-46-02	F21	0' - 1'	4/27/2011	0.79	Clayey silt, silty clay, fine to coarse gravel
		1' - 2'	4/27/2011	0.70	Fine to coarse gravel, silty clay
DI-47-01	F21	0' - 1'	4/26/2011	2.2	Clayey silt with little fine sand
		1' - 2'	4/26/2011	2.6	Clayey silt with little fine sand
DI-47-03	F21	0' - 1'	4/26/2011	0.60	Clayey silt with little fine sand, trace gravel
		1' - 2'	4/26/2011	1.4	Clayey silt with little fine sand, trace gravel, less clay
DI-48-01	F21	0' - 1'	4/25/2011	52.6 B	Silty clay, roots
		1' - 2'	4/25/2011	9.6 B	Silty clay with clay
		2' - 3'	4/25/2011	6.5 B	Silty clay with clay
		3' - 4'	4/25/2011	9.8 B	Clay with silty clay
DI-48-02	G21	0' - 1'	4/25/2011	0.31	Clayey silt, sandy silt, silty sand
		1' - 2'	4/25/2011	0.095 J	Clayey silt
DI-49-01	G23	0' - 1'	4/25/2011	4.3 B	Clayey silt, clay, sandy silt
		1' - 2'	4/25/2011	1.7 B	Silty clay, clay
		2' - 3'	4/25/2011	3.3 BJ [0.84 BJ]	Clay, silty clay, little gravel
		3' - 4'	4/25/2011	1.7 B	Clay, silty clay
DI-49-02	G23	0' - 1'	4/25/2011	6.4	Silty clay, clay, roots
		1' - 2'	4/25/2011	6.8	Silty clay, clay, coarse gravel
DI-49-03	G23	0' - 1'	4/25/2011	0.78	Silty clay, clay, trace gravel
		1' - 2'	4/25/2011	10.7	Silty clay, clay, cobble
DI-55-01	G23	0' - 1'	4/25/2011	2.6 B	Silty clay, clay
		1' - 2'	4/25/2011	1.5 B	Clay
		2' - 3'	4/25/2011	30.5 B	Clay, silty clay, clayey silt
		3' - 4'	4/25/2011	12.5 B	Clayey silt, silt

Table 1B
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Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-55-02	F23	0' - 1'	4/25/2011	6.9	Silty clay, clay, roots
		1' - 2'	4/25/2011	1.5	Clay
		2' - 3'	4/25/2011	0.77	Clay
		3' - 4'	4/25/2011	12.4	Clay
DI-55-03	F23	0' - 1'	4/25/2011	0.52	Clay, silty clay, roots
		1' - 2'	4/25/2011	1.0	Silty clay, silt, trace gravel
		2' - 3'	6/4/2013	1.9	Silty clay, little sand
		3' - 4'	6/4/2013	0.87	Silty clay, little sand
		4' - 5'	6/4/2013	35.9	Clayey silt, some sand
DI-55-04	F23	4' - 5'	6/4/2013	20.3	Silty Clay, some sand
DI-57-01	G25	0' - 1'	8/24/2011	15.6	Gravelly silt, little sand, trace clay
		1' - 2'	8/24/2011	0.30 J [1.4 J]	Clayey silt
		2' - 3'	8/24/2011	1.8	Clayey silt, clay increases with depth
		3' - 4'	8/24/2011	2.8	Gray clay
DI-57-02	G25	0' - 1'	8/24/2011	26.3 J	Sandy silt, some gravel, trace clay & organics
		1' - 2'	8/24/2011	24.1 J [41.0 J]	Clayey silt, trace fine sand, trace organics
		2' - 3'	8/24/2011	38.4 J	Clayey silt, clay increases with depth
		3' - 4'	8/24/2011	61.3 J	Clay, trace silt
DI-58-01	F27	0' - 1'	8/23/2011	1.8	Fine sand
		1' - 2'	8/23/2011	10.1	Fine sand, little silt
DI-58-02	F27	0' - 1'	8/23/2011	17.9	Silty sand
		1' - 2'	8/23/2011	61.5	Silty sand
		2' - 3'	8/23/2011	23.1	Silty sand, little clay
		3' - 4'	8/23/2011	11.3	Silty sand, some clay
DI-58-03	F27	0' - 1'	6/4/2013	2.6 [2.1]	Clayey silt, some sand
		1' - 2'	6/4/2013	10.8	Clay and silt, some sand
		2' - 3'	6/4/2013	0.25	Silty clay, some sand
		3' - 4'	6/4/2013	16.3	Silty clay, some sand
		4' - 5'	6/4/2013	1.6	Clayey silt, some sand, organics
		5' - 6'	6/4/2013	0.22 J	Silty clay, green mottling (organics)
DI-58-04	F27	1' - 2'	6/4/2013	7.1	Clay and silt, little sand
		3' - 4'	6/4/2013	3.0	Clayey silt, some sand, organics
DI-58-05	F26	1' - 2'	8/13/2013	2.1 B	Silt and Clay, some sand, trace gravel
DI-59-01	G25	0' - 1'	8/24/2011	31.7	Silt, little sand & clay
		1' - 2'	8/24/2011	3.4	Silt, little sand & clay
		2' - 3'	8/24/2011	3.1	Silt, little sand & clay
		3' - 4'	8/24/2011	28.6	Silt, little clay, trace sand, silt increases with depth
DI-59-02	G25	0' - 1'	8/24/2011	83.7 J	Silty sand, trace clay
		1' - 2'	8/24/2011	10.4 J	Silty sand, little clay
		2' - 3'	8/24/2011	14.3 J	Silty sand, little clay
		3' - 4'	8/24/2011	11.0 J	Fine sand, silt, trace clay
DI-63-01	F19	0' - 1'	6/4/2013	0.54	Clay and silt, some sand and gravel
DI-64-01	F21	0' - 1'	6/4/2013	3.5	Clay and sandy silt, some gravel
		1' - 2'	6/4/2013	7.2	Sand, sandy silt and clay
DI-64-02	F21	0' - 1'	6/4/2013	4.5	Silt and sand, trace gravel, organics
		1' - 2'	6/4/2013	0.94	Clay and silt, little sand
DI-64-03	F21	0' - 1'	8/13/2013	12.7 B	Sand and Silt, trace gravel
		1' - 2'	8/13/2013	14.3 B	Sand and Silt, trace gravel
		2' - 3'	8/13/2013	10.8 B	Sand and Silt, trace gravel
		3' - 4'	8/13/2013	5.4 B	Clayey Silt and Sand
DI-64-04	F21	0' - 1'	8/13/2013	0.20 U	Sand, some silt, trace gravel
DI-67-01	E28	0' - 1'	6/3/2013	18.5	Clayey silt, some sand and gravel, organics
		1' - 2'	6/3/2013	1.9	Clayey silt, some sand and gravel, organics
		2' - 3'	6/3/2013	9.9	Clayey silt, some sand and gravel, organics
		3' - 4'	6/3/2013	69.5	Clay and silt, little sand
DI-67-02	E28	0' - 1'	6/3/2013	14.2	Clayey silt, some sand and gravel
		1' - 2'	6/3/2013	1.1	Clayey silt, some sand and gravel
		2' - 3'	6/3/2013	40.7	Clayey silt, some sand and gravel
		3' - 4'	6/3/2013	1.8	Clayey silt, some sand and gravel
DI-68-01	E28	0' - 1'	6/3/2013	4.0	Clayey silt, some sand
		1' - 2'	6/3/2013	0.40	Clayey silt, some sand
		2' - 3'	6/3/2013	0.58	Clayey silt, some sand, increasing clay content
		3' - 4'	6/3/2013	20.3	Silty clay, some sand

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DI-68-02	E28	3' - 4'	6/3/2013	14.9	Silty clay, some sand, organics
DI-69-01	D28	0' - 1'	6/3/2013	17.7	Clayey silt and sand, rock fragments, organics
		1' - 2'	6/3/2013	0.89	Clayey silt and sand, increasing clay
		2' - 3'	6/3/2013	14.6	Clay and silt, some sand, trace gravel
		3' - 4'	6/3/2013	157	Clay and silt, some sand, trace gravel
DI-69-02	D28	0' - 1'	6/3/2013	13.9	Clayey silt, some sand, trace gravel
		1' - 2'	6/3/2013	23.5	Clayey silt, little sand
		2' - 3'	6/3/2013	3.1	Clay and silt, little sand, trace gravel
		3' - 4'	6/3/2013	17.4	Clayey silt, some sand
DI-70-01	D28	0' - 1'	6/3/2013	6.1	Clayey silt, little sand, organics
		1' - 2'	6/3/2013	0.74	Clay and silt, little sand, trace gravel
DI-70-02	D28	0' - 1'	6/3/2013	2.7	Clayey silt, little sand, organics
DI-71-01	D29	0' - 1'	6/3/2013	21.6	Clayey silt, little sand, trace gravel, organics
		1' - 2'	6/3/2013	6.9	Clay and silt, some sand, trace gravel
		2' - 3'	6/3/2013	59.2	Silty clay, some sand, trace gravel
		3' - 4'	6/3/2013	0.35	Silty clay, some sand, trace gravel, increasing clay
DI-71-02	D29	0' - 1'	6/3/2013	24.5	Clayey silt, some sand, trace gravel, organics
		1' - 2'	6/3/2013	52.9	Clayey silt, some sand, trace gravel
		2' - 3'	6/3/2013	3.3	Sandy silt and clay
DI-72-01	F19	0' - 1'	6/5/2013	13.8 J [3.8 J]	Silty clay, little to some sand, trace gravel
		1' - 2'	6/5/2013	0.87 J	Clay and silt, some sand, trace gravel
		2' - 3'	6/5/2013	2.7 J [6.1 J]	Silty clay, some sand, trace gravel, oxidation zones
		3' - 4'	6/5/2013	7.7 J	Clayey silt and sand
DI-72-02	F19	0' - 1'	6/5/2013	0.47	Silty clay, little sand, trace gravel
DI-73-01	F19	0' - 1'	6/5/2013	3.1	Silty clay, some sand, trace gravel, increasing clay
DI-74-01	F19	0' - 1'	6/5/2013	12.6 J [4.4 J]	Silty clay, little sand, trace gravel
		1' - 2'	6/5/2013	0.88 J	Clay and silt, some sand, trace gravel
		2' - 3'	6/5/2013	0.24 J [0.24 J]	Clay and silt, some sand
		3' - 4'	6/5/2013	4.8 J	Clay and silt, some sand, increasing clay
DI-74-02	F19	0' - 1'	6/5/2013	7.2	Silty clay, little sand, trace gravel
DI-75-01	F21	0' - 1'	6/4/2013	3.8	Silt and sand, organics, roots
		1' - 2'	6/4/2013	0.084 J	Silt and sand
DI-75-02	F21	0' - 1'	6/4/2013	7.0	Silt, some sand
DI-76-01	G23	0' - 1'	6/4/2013	0.61	Silty clay, some sand, trace gravel
		1' - 2'	6/4/2013	8.3 [9.6]	Silty clay, some sand, trace gravel
DI-76-02	G23	1' - 2'	6/4/2013	1.6	Silty clay, some sand, trace gravel
DI-77-01	G23	0' - 1'	6/4/2013	2.9	Silty clay, some sand, trace gravel
		1' - 2'	6/4/2013	1.2	Silty clay, some sand, trace gravel
DI-79-01	F23	0' - 1'	6/4/2013	1.1	Clayey silt, some sand, trace gravel, organics
		1' - 2'	6/4/2013	0.23 J	Clayey silt, some sand, trace gravel, organics
		2' - 3'	6/4/2013	1.8	Clayey and silt, little sand, trace gravel
		3' - 4'	6/4/2013	1.2	Silty clay, little sand, trace gravel
		4' - 5'	6/4/2013	29.1	Silt, some sand, and clay
DI-79-02	F23	4' - 5'	6/4/2013	13.9	Clayey silt, some sand, trace gravel
DI-92-01	G27	0' - 1'	6/17/2015	10.2	
		1' - 2'	6/17/2015	0.55	
DI-93-01	G26	0' - 3'	9/15/2015	3.0	
DI-SB-05-05	F19	0' - 1'	4/25/2011	0.94	Silty sand, trace clay
		1' - 2'	4/25/2011	0.24 [0.23]	Sandy silt
		2' - 3'	4/25/2011	<0.26 U	Silty sand
		3' - 4'	4/25/2011	0.52 B	Fine sand with some gravel, trace silt
		4' - 5'	4/25/2011	0.33 B	Grades to Sandy silt with little gravel
		5' - 6'	4/25/2011	0.54 B	Sandy silt, trace gravel, trace clay
		6' - 7'	4/25/2011	0.88 B	Sandy silt, trace gravel, trace clay
		7' - 8'	4/25/2011	1.0 B	Clay, trace gravel at 7'
DI-SB-07-01	B30	0' - 1'	8/22/2011	0.93	Course sand, some silt, little gravel, trace clay
		1' - 2'	8/22/2011	1.4	Coarse sand, some silt, little gravel & clay
		2' - 3'	8/22/2011	0.061 J	Fine sandy silt, little to trace clay
		3' - 4'	8/22/2011	0.12 J	Clayey silt, trace fine sand
		4' - 5'	8/22/2011	0.060 J	Silty Clay
		5' - 6'	8/22/2011	<0.23	Silty Clay
		6' - 7'	8/22/2011	<0.22	Silty Clay, silt lense 6'-2", clay at 6'-8"

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DI-SB-07-02	B30	0' - 1'	8/22/2011	0.32	Silty Sand, some gravel
		1' - 2'	8/22/2011	0.28	Silty fine sand, trace clay & gravel
		2' - 3'	8/22/2011	0.10 J	Silty fine sand, trace clay & gravel
		3' - 4'	8/22/2011	0.13 J [0.21 J]	Sand, silt, little clay
		4' - 5'	8/22/2011	0.064 J	Clayey silt - increasing clay with depth
		5' - 6'	8/22/2011	0.035 J	Silty clay - increasing clay with depth
		6' - 7'	8/22/2011	0.059 J	Clay, little to trace silt
EPSOIL-2	G23	0' - 1'	10/2001	29.6	---
EPSOIL-3	B30	0' - 1'	10/2001	75.6	---
SA-SB-05-02	F19	0' - 1'	10/22/2003	1.4	Silty Sand
		1' - 2'	10/22/2003	<0.58	Silty Sand
		2' - 3'	10/22/2003	1.4	Silty Sand
		3' - 4'	10/22/2003	<0.60	Silty Sand
		4' - 5'	10/22/2003	<0.60	Clayey Silt
		5' - 6'	10/22/2003	12.5	Clayey Silt
		6' - 7'	10/22/2003	<0.58	Sandy Silt
		7' - 8'	10/22/2003	<0.59	Sandy Silt to Organic Clayey Silt
		8' - 9'	10/22/2003	5.1	Organic Clayey Silt
		9' - 10'	10/22/2003	5.9	Organic Clayey Silt
		10' - 11'	10/22/2003	8.1	Organic Clayey Silt
SA-SB-05-03	F19	0' - 1'	10/22/2003	<0.607	Silty Sand
		1' - 2'	10/22/2003	<0.588	Silty Sand
		2' - 3'	10/22/2003	<0.581	Silty Sand
		3' - 4'	10/22/2003	<0.579	Silty Sand
		4' - 5'	10/22/2003	<0.607	Clayey Silt
		5' - 6'	10/22/2003	2.5	Organic Clayey Silt
		6' - 7'	10/22/2003	0.587	Organic Clayey Silt
		7' - 8'	10/22/2003	20.5	Organic Clayey Silt
		8' - 9'	10/22/2003	21.8	Clayey Silt
		9' - 10'	10/22/2003	<0.661	Clayey Silt
SA-SB-05-04	F19	0' - 1'	10/22/2003	3.6	Silty Sand
		1' - 2'	10/22/2003	27.9	Silty Sand
		2' - 3'	10/22/2003	<0.57	Silty Sand
		3' - 4'	10/22/2003	11.8	Organic clayey Silt
		4' - 5'	10/22/2003	7.5	Organic Silty Clay
		5' - 6'	10/22/2003	2.4	Organic Silty Clay
		6' - 7'	10/22/2003	12.0	Organic Silty Clay
		7' - 8'	10/22/2003	11.3	Organic Clayey Silt
		8' - 9'	10/22/2003	20.9	Organic Clayey Silt
		9' - 10'	10/22/2003	<0.72	Organic Sand/Silt
		10' - 11'	10/22/2003	<0.85	Organic Sand/Silt
		11' - 12'	10/22/2003	<0.63	Silty Sand
		12' - 13'	10/22/2003	<0.68	Organic Silt/Sand
		13' - 14'	10/22/2003	<0.68	Organic Silt/Sand
SA-SB-06-01	E28	0' - 1'	10/24/2003	6.5	Silty Sand
		1' - 2'	10/24/2003	<0.54	Silty Sand
		2' - 3'	10/24/2003	1.1	Silty Sand
		3' - 4'	10/24/2003	41.7	Silty Sand
		4' - 5'	10/24/2003	2.6	Silty Sand
		5' - 6'	10/24/2003	3.4	Silty Sand
		6' - 7'	10/24/2003	<0.60	Silty Sand to Organic Clayey Silt
		7' - 8'	10/24/2003	<0.63	Organic Clayey Silt
		8' - 9'	10/24/2003	<0.65	Silty Clay
SA-SB-06-02	E28	0' - 1'	10/24/2003	1.09 [1.77]	Silty Sand
		1' - 2'	10/24/2003	<0.567	Silty Sand
		2' - 3'	10/24/2003	<0.522	Silty Sand
		3' - 4'	10/24/2003	0.703	Silty Sand
		4' - 5'	10/24/2003	30.3	Silty Sand to Organic Clayey Silt
		5' - 6'	10/24/2003	60.1	Organic Clayey Silt
		6' - 7'	10/24/2003	1.44	Organic Clayey Silt to Silty Clay
		7' - 8'	10/24/2003	6.18	Organic Clayey Silt
		8' - 9'	10/24/2003	7.35	Silty Clay

Table 1B
Soil Investigation Cadmium Concentrations
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SA-SB-06-03	E28	0' - 1'	10/24/2003	<0.611	Silty Sand
		1' - 2'	10/24/2003	<0.566	Organic Silt/Sand
		2' - 3'	10/24/2003	<0.579	Silty Sand
		3' - 4'	10/24/2003	<0.585	Silty Sand
		4' - 5'	10/24/2003	7.63	Silty Sand
		5' - 6'	10/24/2003	64.4	Organic Clayey Silt
		6' - 7'	10/24/2003	<0.668	Organic Clayey Silt
		7' - 8'	10/24/2003	<0.625	Clayey Silt to Clay
		8' - 9'	10/24/2003	<0.634	Clay
SA-SB-06-04	E28	0' - 1'	10/24/2003	<0.605	Silty Sand
		1' - 2'	10/24/2003	<0.561	Silty Sand
		2' - 3'	10/24/2003	<0.573	Silty Sand
		3' - 4'	10/24/2003	<0.554	Silty Sand
		4' - 5'	10/24/2003	1.78	Fill
		5' - 6'	10/24/2003	88.1	Organic Clayey Silt
		6' - 7'	10/24/2003	<0.693	Organic Clayey Silt
		7' - 8'	10/24/2003	<0.678	Clay to Silty Clay
		8' - 9'	10/24/2003	<0.636	Clay
SA-SB-216-01	F19	0' - 1'	10/22/2003	3.9	Silty Sand
		1' - 2'	10/22/2003	<0.59	Silty Sand
		2' - 3'	10/22/2003	<0.56	Silty Sand
		3' - 4'	10/22/2003	0.65	Clayey Silt
		4' - 5'	10/22/2003	24.9	Clayey Silt
		5' - 6'	10/22/2003	0.77	Clayey Silt
		6' - 7'	10/22/2003	4.7	Clayey Silt
		7' - 8'	10/22/2003	<0.65	Clayey Silt
		8' - 9'	10/22/2003	20.6	Clayey Silt
		9' - 10'	10/22/2003	<0.654	Organic Clayey Silt
SA-SB-216-02	E19	0' - 1'	10/22/2003	0.659	Silty Sand
		1' - 2'	10/22/2003	<0.588	Silty Sand
		2' - 3'	10/22/2003	<0.617	Silty Sand
		3' - 4'	10/22/2003	<0.602	Silty Sand
		4' - 5'	10/22/2003	5.38	Silty Sand
		5' - 6'	10/22/2003	14.5	Organic Clayey Silt
		6' - 7'	10/22/2003	1.57 [0.823]	Organic Clayey Silt
		7' - 8'	10/22/2003	<0.68	Silty Clay
		8' - 9'	10/22/2003	0.903	Silty Clay
		9' - 10'	10/22/2003	<0.756	Organic Clayey Silt
		10' - 11'	10/22/2003	<0.719	Organic Clayey Silt
		11' - 12'	10/22/2003	<0.62	Silty Clay
		12' - 13'	10/22/2003	<0.616	Silty Sand
		13' - 14'	10/22/2003	<0.60	Silty Sand
SA-SB-216-03	E19	0' - 1'	10/22/2003	<0.60	Silty Sand
		1' - 2'	10/22/2003	<0.598	Silty Sand
		2' - 3'	10/22/2003	<0.617	Silty Sand
		3' - 4'	10/22/2003	<0.624	Silty Clay
		4' - 5'	10/22/2003	1.54	Silty Clay
		5' - 6'	10/22/2003	<0.632	Sandy Silt
		6' - 7'	10/22/2003	<0.641	Sandy Silt
		7' - 8'	10/22/2003	<0.713	Sandy Silt
		8' - 9'	10/22/2003	<0.635	Sandy Silt
		9' - 10'	10/22/2003	<0.635	Organic Silt/Sand
SA-SB-216-04	E19	0' - 1'	10/22/2003	<0.59	Silty Sand
		1' - 2'	10/22/2003	<0.57	Silty Sand
SB-01	F18	0' - 1'	11/2001	1.64	---
SB-02	F19	0' - 1'	11/2001	203	---
		1' - 2'	11/2001	503	---
SB-03	F19	0' - 1'	11/2001	37	---
		1' - 2'	11/2001	30.1	---
SB-04	F21	0' - 1'	11/2001	30.4	---
		1' - 2'	11/2001	34.2	---
SB-05	G22	0' - 1'	11/2001	41.1	---
		1' - 2'	11/2001	98.2	---

Table 1B
Soil Investigation Cadmium Concentrations
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-06	F22	0' - 1'	11/2001	11.3	---
		1' - 2'	11/2001	8.04	---
SB-07	G24	0' - 1'	11/2001	42.1	---
		1' - 2'	11/2001	34.3	---
SB-08	G25	0' - 1'	11/2001	5.78	---
SB-09	E28	0' - 1'	11/2001	81.5	---
		1' - 2'	11/2001	191	---
SB-10	D29	0' - 1'	11/2001	108	---
		1' - 2'	11/2001	114	---
SB-11	B30	0' - 1'	11/2001	9.82	---
SB-12	B31	0' - 1'	11/2001	2.11	---
SB-61	F19	0' - 1'	11/2002	134	Sandy Silt
		1' - 2'	11/2002	22.9	Sandy Silt
		2' - 3'	11/2002	26.2	Silty Sand
		3' - 4'	11/2002	864	Silty Sand/Peat
SB-62	F19	2' - 3'	11/2002	263	Sandy Silt
		3' - 4'	11/2002	208	Silty Sand
SB-65	G22	2' - 3'	11/2002	6.5	Sandy Silt
		3' - 4'	11/2002	23.4	Sandy Silt
SB-66	G24	0' - 1'	11/2002	29.7	Silty Sand
		1' - 2'	11/2002	24.2	Clayey Silt
		2' - 3'	11/2002	1.1	Clayey Silt
		3' - 4'	11/2002	<0.60	Clayey Silt
SB-68	G27	0' - 1'	11/2002	31.4	Silty Sand
		1' - 2'	11/2002	18.0	Silty Sand
		2' - 3'	11/2002	3.6	Sandy Silt
		3' - 4'	11/2002	11.6	Sandy Silt
SB-70	E28	2' - 3'	11/2002	12.7	Silty Sand
		3' - 4'	11/2002	4.8	Sandy Silt
SB-71	E28	0' - 1'	11/2002	18.6	Silty Sand
		1' - 2'	11/2002	1.7	Silty Sand
		2' - 3'	11/2002	17.0	Silty Sand
		3' - 4'	11/2002	48.4	Silty Sand
SB-72	D29	2' - 3'	11/2002	1.7	Silty Sand
		3' - 4'	11/2002	4.3	Silty Sand/Clay
SB-74	B30	0' - 1'	11/2002	25.0	Silty Sand
		1' - 2'	11/2002	3.8	Silty Sand
		2' - 3'	11/2002	1.4	Fill
		3' - 4'	11/2002	<0.62	Fill/Sandy Silt
SB-208	F19	0' - 1'	11/2002	63.7	Silty Sand
		1' - 2'	11/2002	27.3	Silty Sand
		2' - 3'	11/2002	600	Silty Sand
		3' - 4'	11/2002	41.7	Sandy Silt
SB-209	F21	0' - 1'	11/2002	11.8	Sandy Silt
		1' - 2'	11/2002	14.3	Silty Sand
		2' - 3'	11/2002	10.0	Silty Sand
		3' - 4'	11/2002	10.7	Silty Sand
SB-210	C30	0' - 1'	11/2002	3.8	Silty Sand
		1' - 2'	11/2002	7.6	Silty Sand
		2' - 3'	11/2002	1.9	Silty Sand
		3' - 4'	11/2002	<0.54	Silty Sand
SB-229	F17	0' - 1'	10/21/2003	1.9	Silty Sand
		1' - 2'	10/21/2003	0.67	Silty Sand
		2' - 3'	10/21/2003	<0.61 [<0.60]	Silty Sand
		3' - 4'	10/21/2003	<0.61	Silty Sand
		4' - 5'	10/21/2003	103	Silty Sand
		5' - 6'	10/21/2003	1,390	Organic Silt/Sand
		6' - 7'	10/21/2003	247	Organic Silt/Sand to Clayey Silt
		7' - 8'	10/21/2003	2.7	Clayey Silt to Silty Clay

Table 1B
Soil Investigation Cadmium Concentrations
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-230	F21	0' - 1'	10/23/2003	10.1	Sandy Silt
		1' - 2'	10/23/2003	5.2 [1.50]	Fill
		2' - 3'	10/23/2003	<0.57	Fill
		3' - 4'	10/23/2003	0.81	Silty Sand
		4' - 5'	10/23/2003	<0.60	Silty Sand
		5' - 6'	10/23/2003	<0.61	Silty Sand to Silty Clay
		6' - 7'	10/23/2003	6.0	Organic Silty Clay
		7' - 8'	10/23/2003	<0.65 [<0.68]	Organic Silty Clay
		8' - 9'	10/23/2003	<0.62	Silty Clay
		9' - 10'	10/23/2003	<0.59	Silty Clay
		10' - 11'	10/23/2003	<0.67	Organic Silty Clay
		11' - 12'	10/23/2003	<0.62	Silty Clay
SB-415	F24	0' - 1'	10/23/2003	0.99	Silty Sand
		1' - 2'	10/23/2003	2.3	Silty Sand
		2' - 3'	10/23/2003	<0.60	Silty Sand
		3' - 4'	10/23/2003	<0.59	Silty Sand to Clayey Silt
		4' - 5'	10/23/2003	2.1	Silty Sand
		5' - 6'	10/23/2003	<0.60	Silty Sand
		6' - 7'	10/23/2003	<0.55	Silty Sand
		7' - 8'	10/23/2003	<0.61 [<0.59]	Organic Silt/Sand
		8' - 9'	10/23/2003	<0.64	Silty Clay
		9' - 10'	10/23/2003	<0.57	Silty Clay to Silty Sand
SB-416	G23	0' - 1'	10/23/2003	20.2	Silty Sand
		1' - 2'	10/23/2003	6.8	Silty Sand
		2' - 3'	10/23/2003	1.1	Silty Sand
		3' - 4'	10/23/2003	123	Organic Silt/Sand
		4' - 5'	10/23/2003	16.8	Organic Silt/Sand
		5' - 6'	10/23/2003	0.79	Organic Silt/Sand
		6' - 7'	10/23/2003	<0.62	Silty Clay
		7' - 8'	10/23/2003	<0.65	Silty Clay
SB-417	G24	0' - 1'	10/24/2003	16.2	Topsoil
		1' - 2'	10/24/2003	3.0	Clayey Silt
		2' - 3'	10/24/2003	0.86	Clayey Silt
		3' - 4'	10/24/2003	109.0	Organic Clayey Silt
		4' - 5'	10/24/2003	18.4	Organic Clayey Silt
		5' - 6'	10/24/2003	<0.73	Organic Clayey Silt
		6' - 7'	10/24/2003	<0.63	Organic Clayey Silt to Clay
		7' - 8'	10/24/2003	<0.73	Silty Sand
SB-453	F17	0' - 1'	4/29/2004	4.03	Sandy Silt
		1' - 2'	4/29/2004	<0.590	Sandy Silt
		2' - 3'	4/29/2004	<0.612	Sandy Silt
		3' - 4'	4/29/2004	<0.623	Clayey Silt
		4' - 5'	4/29/2004	3.29	Clayey Silt
		5' - 6'	4/29/2004	91.9	Clayey Silt
		6' - 7'	4/29/2004	130	Clayey Silt
		7' - 8'	4/29/2004	<0.734	Clayey Silt
SB-454	F21	0' - 1'	4/29/2004	7.5	Silty Sand
SB-455	G23	0' - 1'	4/29/2004	2.31	Sandy Silt
		1' - 2'	4/29/2004	<0.615	Clayey Silt
		2' - 3'	4/29/2004	<0.602	Clayey Silt
		3' - 4'	4/29/2004	7.04	Clayey Silt
		4' - 5'	4/29/2004	<0.681	Clayey Silt

Notes:

1. Boring locations are shown on Figure 4B.
2. Figure coordinates correspond to coordinate system shown on Figure 4B.
3. mg/kg = milligrams/kilograms (equivalent to ppm = parts per million).
4. Duplicate results are presented in brackets.
5. B - Compound was found in the blank and sample.
6. J - The detected concentration is an estimated value.
7. U - Result edited to reflect non-detect by data validation company due to presence of cadmium in the associated preparation blank at similar concentrations.
8. < - Analyte not detected at the reporting limit shown.

Table 1C
Soil Investigation Cadmium Concentrations
Old Liverpool Road to Onondaga Lake Parkway
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
B-1	G44	0' - 2.5'	11/25/2003	1.5	---
		2.5' - 12'	11/25/2003	<0.63	---
B-2	G44	7' -8'	11/25/2003	<0.59	---
B-3	G44	0' - 5'	11/24/2003	<0.61 [<0.61]	---
		5' - 14'	11/24/2003	<0.64	---
B-4	E44	0' - 2'	11/24/2003	<0.63	---
		2' - 12'	11/24/2003	<0.71	---
B-5	D43	0' - 1.5'	11/24/2003	<0.54	---
		1.5' - 12'	11/24/2003	7.5	---
B-11	C43	0' - 4'	3/5/2004	0.74 [0.63]	---
		4' - 8'	3/5/2004	0.87	--
		8' - 12'	3/5/2004	0.66	---
B-12	B43	0' - 4'	3/5/2004	<0.61	---
		4' - 8'	3/5/2004	0.69	--
		8' - 12'	3/5/2004	<0.58	---
DI-16-01	D35	0' - 1'	8/24/2011	3.3	Gravelly coarse sand with organics
		1' - 2'	8/24/2011	4.5	Gravelly coarse to fine sand with organics
		2' - 3'	8/24/2011	5.1	Gravelly coarse to fine sand with organics
		3' - 4'	8/24/2011	5.7	Coarse to fine sand with trace silt, gravel & organics
		4' - 5'	8/24/2011	0.19 J	Clayey silt
		5' - 6'	8/24/2011	0.14 J	Silty clay to clay at 6'
DI-16-02	D35	0' - 1'	8/24/2011	45.0	Fine sand, trace gravel
		1' - 2'	8/24/2011	59.6	Fine sand, little silt, some gravel
		2' - 3'	8/24/2011	3.2	Fine sand, trace gravel, organics & silt
		3' - 4'	8/24/2011	0.81 J	Coarse to fine gravelly sand
		4' - 5'	8/24/2011	0.31	Silt, little clay, little gravel & pebbles
		5' - 6'	8/24/2011	0.17 J	Silty clay
DI-16-03	D36	0' - 1'	8/24/2011	6.2	Organics, silt with pebbles, some sand
		1' - 2'	8/24/2011	0.33	Clayey silt, pebbles, trace fine sand
		2' - 3'	8/24/2011	0.44 [0.17 J]	Silty clay with organics to 2'-3" then silty sand, little gravel, trace clay
		3' - 4'	8/24/2011	0.040 J	Gravelly sand (coarse to fine)
		4' - 5'	8/24/2011	0.24	Silt
		5' - 6'	8/24/2011	0.13 J	Clayey silt to silty clay with depth
DI-81-01	D36	0' - 1'	8/13/2013	17.9 B [22.6 B]	Silt and Sand, trace gravel, trace clay, rock fragments
		1' - 2'	8/13/2013	17.1 B	Silt and Sand, trace gravel, trace clay, rock fragments
		2' - 3'	8/13/2013	11.4 B	Sandy Silt, trace gravel, rock fragments
DI-81-02	D36	0' - 1'	8/13/2013	40.8 B	Silt and Sand, little clay, trace gravel, rock fragments
		1' - 2'	8/13/2013	7.2 B	Silt and Sand, little clay, trace gravel, rock fragments
EPSOIL-4	F44	0' - 1'	10/2001	4.5	---
SB-13	D37	0' - 1'	11/2001	14.4	---
		1' - 2'	11/2001	<0.666	---
SB-14	C37	0' - 1'	11/2001	52.2	---
		1' - 2'	11/2001	26.2 [9.8]	---
SB-15	D42	0' - 1'	11/2001	30.2	---
		1' - 2'	11/2001	44.8	---
SB-16	D43	0' - 1'	11/2001	28.9	---
		1' - 2'	11/2001	27.7	---
SB-17	G44	0' - 1'	11/2001	32.1	---
SB-18	G44	0' - 1'	11/2001	6.25	---
SB-75	D35	0" - 6"	11/2002	1.3	---
		6" - 12"	11/2002	0.67	Sand & Gravel
		1' - 2'	11/2002	<0.58	Sand, Silt, Clay
		2' - 3'	11/2002	<0.57	Sand, Silt, Clay
		3' - 4'	11/2002	<0.61	Clay
SB-76	D35	0" - 6"	11/2002	0.73	---
		6" - 12"	11/2002	<0.58	Clayey Silt
		1' - 2'	11/2002	<0.61	Clayey Silt
		2' - 3'	11/2002	1.2	Clayey Silt
		3' - 4'	11/2002	<0.52	Silty Sand
SB-77	E36	0" - 6"	11/2002	18.9	Gravelly Sand
		6" - 12"	11/2002	1.1	Gravelly Sand
		1' - 2'	11/2002	<0.55	Gravelly Sand/Clayey Silt
		2' - 3'	11/2002	<0.56	Clayey Silt/ Sand
		3' - 4'	11/2002	<0.57	Silty Sand
SB-78	C37	3' - 4'	11/2002	<0.58	Clay

Table 1C
Soil Investigation Cadmium Concentrations
Old Liverpool Road to Onondaga Lake Parkway
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-79	C37	0" - 6"	11/2002	1.9	---
		6" - 12"	11/2002	0.96	---
		1' - 2'	11/2002	<0.57	Sandy Silt
		3' - 4'	11/2002	1.2	Clay
SB-80	D40	0" - 6"	11/2002	11.7	---
		6" - 12"	11/2002	7.3	---
		0' - 4'	11/2002	18.4	Fill
		4' - 8'	11/2002	22.6	Fill/Peat
		8' - 12'	11/2002	<0.87	Peat/Sand and Gravel
SB-81	D40	0" - 6"	11/2002	49.9	---
		6" - 12"	11/2002	7.4	Sandy Silt
		1' - 2'	11/2002	8.4	Sandy Silt
		2' - 3'	11/2002	1.6	Sand
		3' - 4'	11/2002	<0.63	Clay
SB-82	D40	0" - 6"	11/2002	1.7	---
		6" - 12"	11/2002	1.6	---
		1' - 2'	11/2002	<0.61	Clayey Silt
		2' - 3'	11/2002	1.6	Sandy Silt
		3' - 4'	11/2002	1.3	Sandy Silt
SB-83	C40	0" - 6"	11/2002	<0.52	---
		6" - 12"	11/2002	<0.51	---
		0' - 4'	11/2002	<0.55	Clay/Fill
		4' - 8'	11/2002	<0.65	Clay/Wood/Peat
SB-84	D42	2' - 3'	11/2002	11.4	Peat
		3' - 4'	11/2002	<0.79	Sand
SB-85	G44	0' - 1'	11/2002	32.1	---
SB-211	D43	0" - 6"	11/2002	3.6	---
		6" - 12"	11/2002	6.8	---
		1' - 2'	11/2002	<0.60	Cobbles, Sand
		2' - 3'	11/2002	<0.56	Cobbles, Sand
		3' - 4'	11/2002	<0.61	Sandy Silt
SB-212	G44	0" - 6"	11/2002	8.0	---
		6" - 12"	11/2002	2.6	Silty Sand
		1' - 2'	11/2002	<0.59	Sandy Silt
		2' - 3'	11/2002	<0.62	Sandy Silt
		3' - 4'	11/2002	<0.75	Sandy Silt
SB-231	G43	0" - 6"	11/3/2003	1.0	Silty Sand
		6" - 12"	11/3/2003	0.82	Silty Sand
		1' - 2'	11/3/2003	0.72	Silty Sand
		2' - 3'	11/3/2003	<0.60	Silty Sand
		3' - 4'	11/3/2003	<0.64	Silty Sand
		4' - 5'	11/3/2003	<0.63	Silty Sand to Organic Clayey Silt
		5' - 6'	11/3/2003	<0.68	Organic Clayey Silt
		6' - 7'	11/3/2003	<0.59	Organic Clayey Silt
		7' - 8'	11/3/2003	<0.74	Sand/Gravel/ Shells
SB-232	G42	0" - 6"	11/3/2003	23.9	Silty Sand
		6" - 12"	11/3/2003	21.6	Silty Sand
		1' - 2'	11/3/2003	40.8	Silty Sand
		2' - 3'	11/3/2003	5.3	Silty Sand
		3' - 4'	11/3/2003	<0.71	Silty Sand to Organic Clayey Silt
		4' - 5'	11/3/2003	<0.70	Organic Clayey Silt
SB-418	E36	0" - 6"	11/3/2003	0.96	Fill
		6" - 12"	11/3/2003	0.70	Fill
		1' - 2'	11/3/2003	0.75	Fill
		2' - 3'	11/3/2003	<0.55	Silty Sand/ Gravel
		3' - 4'	11/3/2003	25.1	Silty Sand to Organic Clayey Silt
		4' - 5'	11/3/2003	0.65	Organic Clayey Silt
SB-419	D36	0" - 6"	11/3/2003	1.8	Fill
		6" - 12"	11/3/2003	0.8	Fill
		1' - 2'	11/3/2003	1.7	Fill
		2' - 3'	11/3/2003	0.58	Fill
		3' - 4'	11/3/2003	2.5	Fill
		4' - 5'	11/3/2003	1.3	Organic Clayey Silt

Table 1C
Soil Investigation Cadmium Concentrations
Old Liverpool Road to Onondaga Lake Parkway
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-420	D35	0" - 6"	11/3/2003	64.0	Fill
		6" - 12"	11/3/2003	87.1	Fill
		1' - 2'	11/3/2003	63.5	Fill
		2' - 3'	11/3/2003	1.9	Fill
		3' - 4'	11/3/2003	2.9	Fill to Organic Clayey Silt
		4' - 5'	11/3/2003	1.1	Organic Clayey Silt
SB-421	D36	0" - 6"	11/3/2003	1.9	Fill
		6" - 12"	11/3/2003	0.60	Fill
		1' - 2'	11/3/2003	1.3	Fill
		2' - 3'	11/3/2003	3.6 [3.1]	Fill
		3' - 4'	11/3/2003	<0.54	Fill
		4' - 5'	11/3/2003	<0.52	Silty Sand
SB-422	D36	0" - 6"	11/3/2003	53.5	Fill
		6" - 12"	11/3/2003	57.7	Fill
		1' - 2'	11/3/2003	2.5	Fill
		2' - 3'	11/3/2003	0.62	Fill
		3' - 4'	11/3/2003	1.2	Fill to Organic Clayey Silt
		4' - 5'	11/3/2003	0.62	Organic Clayey Silt
SB-423	E36	0" - 6"	10/31/2003	<0.53	Asphalt
		6" - 12"	10/31/2003	<0.52	Sand/Gravel
		0' - 2'	10/31/2003	<0.54	Asphalt/ Sand/ Gravel/ Fill
		2' - 4'	10/31/2003	<0.56	Fill
		4' - 6'	10/31/2003	<0.56 [<0.28]	Fill to Sand
		6' - 8'	10/31/2003	<0.63	Clay
SB-424	F36	0" - 6"	10/31/2003	<0.53	Asphalt
		6" - 12"	10/31/2003	<0.57	Fill
		0' - 2'	10/31/2003	<0.59	Fill
		2' - 4'	10/31/2003	<0.57	Fill to Sand/Gravel/Cobbles
		4' - 6'	10/31/2003	<0.58	Sand/Gravel/Cobbles to Silty Sand
		6' - 8'	10/31/2003	<0.62	Silty Sand to Organic Silty Clay to Organic Clay
		8' - 10'	10/31/2003	<0.61	Organic Clay
		10' - 12'	10/31/2003	<0.61	Sand to Clay
SB-425	F36	0" - 6"	10/31/2003	<0.53	Asphalt
		6" - 12"	10/31/2003	<0.55	Silty Sand/ Gravel/Cobbles
		0' - 2'	10/31/2003	<0.54	Asphalt/ Silty Sand/ Gravel/Cobbles
		2' - 4'	10/31/2003	<0.55	Silty Sand/ Gravel/Cobbles to Sand
		4' - 6'	10/31/2003	22.0	Sand to Organic Clayey Silt
		6' - 8'	10/31/2003	<0.63	Organic Clayey Silt to Clay
		8' - 10'	10/31/2003	6.8	Silty Clay to Clay to Sand/Gravel to Clay to Sand with Shells
		10' - 12'	10/31/2003	<0.59	Sand with shells to Clay
SB-426	F38	0" - 6"	10/31/2003	<0.58	Fill
		6" - 12"	10/31/2003	<0.58	Fill
		0' - 2'	10/31/2003	<0.56	Fill
		2' - 4'	10/31/2003	<0.55 [<0.56]	Silt/Sand/ Gravel/Cobble
		4' - 6'	10/31/2003	28.9	Organic Clayey Silt
		6' - 8'	10/31/2003	21.1	Organic Clayey Silt
		8' - 10'	10/31/2003	11.7	Organic Clayey Silt to Sand with Shells
		10' - 12'	10/31/2003	<0.789	Clay to Organic Silty Clay to Silty Sand with Shells
SB-427	F38	0" - 6"	10/31/2003	<0.59	Fill
		6" - 12"	10/31/2003	<0.59	Fill
		0' - 2'	10/31/2003	<0.58	Fill
		2' - 4'	10/31/2003	<0.55	Fill
		4' - 6'	10/31/2003	0.85	Fill to Gravel/Sand/ Ceramic
		6' - 8'	10/31/2003	4.8	Organic Silty Clay
		8' - 10'	10/31/2003	<0.750	Sand with shells to Clay
		10' - 12'	10/31/2003	<0.832	Silty Clay, Wood at 10'
SB-428	F38	0" - 6"	10/31/2003	<0.57	Sand/Gravel/Cobbles
		6" - 12"	10/31/2003	<0.55	Sand/Gravel/Cobbles
		0' - 2'	10/31/2003	<0.54	Sand/Gravel/Cobbles
		2' - 4'	10/31/2003	<0.55	Sand/Gravel/Cobbles
		4' - 6'	10/31/2003	<0.56	Sand/Gravel/Cobbles
		6' - 8'	10/31/2003	28.7	Organic Silty Clay (ceramics at 6'-6") to Clay
		8' - 10'	10/31/2003	<0.693	Clay
		10' - 12'	10/31/2003	1.02	Organic Silty Sand to Sand with Shells

Table 1C
Soil Investigation Cadmium Concentrations
Old Liverpool Road to Onondaga Lake Parkway
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-429	F40	0" - 6"	10/31/2003	<0.60	Fill
		6" - 12"	10/31/2003	0.58	Fill
		0' - 2'	10/31/2003	<0.54	Fill
		2' - 4'	10/31/2003	<0.55	Fill
		4' - 6'	10/31/2003	0.67 [0.62]	Clay
		6' - 8'	10/31/2003	<0.54	Silty Sand/ Gravel, Organic Clay, Ceramics
		8' - 10'	10/31/2003	5.7	Ceramics to Organic Clayey Silt
		10' - 12'	10/31/2003	0.73	Organic Clayey Silt
		12' - 14'	10/31/2003	0.99	Organic Clayey Silt
		14' - 16'	10/31/2003	<0.71	Clay to Sand/Gravel/ Shells
SB-430	F40	0" - 6"	10/31/2003	<0.56	Fill
		6" - 12"	10/31/2003	0.59	Fill
		0' - 2'	10/31/2003	<0.57	Fill
		2' - 4'	10/31/2003	0.57	Fill
		4' - 6'	10/31/2003	<0.57	Fill
		6' - 8'	10/31/2003	<0.55	Concrete to Sand/Gravel to Silty Sand
		8' - 10'	10/31/2003	<0.59	Silty Sand
		10' - 12'	10/31/2003	2.5	Gravel/Cobbles/Shells to Silty Clay
SB-431	G40	0" - 6"	10/31/2003	<0.54	Fill
		6" - 12"	10/31/2003	<0.54	Fill
		0' - 2'	10/31/2003	<0.54	Fill
		2' - 4'	10/31/2003	3.0	Fill to Sand/Gravel
		4' - 6'	10/31/2003	0.78	Silt/Sand/ Gravel to Fill
		6' - 8'	10/31/2003	0.71	Fill
		8' - 10'	10/31/2003	<0.57	Cobbles/Ceramic to Silty Sand to Ceramics
		10' - 12'	10/31/2003	3.3	Organic Silty Clay
SB-432	F42	0" - 6"	11/3/2003	13.8	Organic Silt/Sand
		6" - 12"	11/3/2003	<0.50	Organic Silt/Sand
		1' - 2'	11/3/2003	3.0	Silty Sand
		2' - 3'	11/3/2003	<0.64	Silty Sand
		3' - 4'	11/3/2003	<0.75	Silty Sand to Organic Clayey Silt
		4' - 5'	11/3/2003	<0.75	Sand/Gravel/ Shells
SB-433	E40	0" - 6"	10/31/2003	0.66	Fill
		6" - 12"	10/31/2003	1.0	Fill
		0' - 2'	10/31/2003	0.99	Fill
		2' - 4'	10/31/2003	0.66	Fill
		4' - 6'	10/31/2003	1.2	Fill
		6' - 8'	10/31/2003	<0.57	Fill to Silty Sand/Ceramics
		8' - 10'	10/31/2003	0.8	Organic Clayey Silt
		10' - 12'	10/31/2003	<0.70	Organic Clayey Silt
SB-434	E41	0" - 6"	10/31/2003	0.61	Fill
		6" - 12"	10/31/2003	0.68	Fill
		0' - 2'	10/31/2003	<0.57	Fill
		2' - 4'	10/31/2003	1.9	Fill
		4' - 6'	10/31/2003	1.3	Fill
		6' - 8'	10/31/2003	1.3 [<0.54]	Fill to Silty Sand/Ceramics
		8' - 10'	10/31/2003	<0.78	Organic Clayey Silt/Ceramics to Sand/Gravel/ Shells
		10' - 12'	10/31/2003	<0.79	Sand/Gravel/Shells

Notes:

1. Boring locations are shown on Figure 4C.
2. Figure coordinates correspond to coordinate system shown on Figure 4C.
3. mg/kg = milligrams/kilograms (equivalent to ppm = parts per million).
4. Duplicate results are presented in brackets.
5. B - Compound was found in the blank and sample.
6. J - The detected concentration is an estimated value.
7. U - Result edited to reflect non-detect by data validation company due to presence of cadmium in the associated preparation blank at similar concentrations.
8. < - Analyte not detected at the reporting limit shown.

Table 1D
Soil Investigation Cadmium Concentrations
Within the Roadways Adjacent to Culverts
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-82-01	F20	0' - 1'	4/29/2014	0.35	Gray coarse to fine sand and coarse to fine gravel
		1' - 2'	4/29/2014	0.9	Gray coarse to fine gravel, some fine sand, some Silt
		2' - 3'	4/29/2014	0.6	Brown silty clay, little sand
		3' - 4'	4/29/2014	2.3	Brown silty clay, little sand
		4' - 5'	4/29/2014	0.11	Brown clayey silt, some sand
		5' - 6'	4/29/2014	0.22	Brown clayey silt, some sand
		6' - 7'	4/29/2014	0.37	Brown clayey silt, some sand
		7' - 8'	4/29/2014	0.59	Brown clayey silt, some sand
		8' - 9'	4/29/2014	0.29	Gray coarse to fine gravel, some fine sand, some Silt
		9' - 10'	4/29/2014	0.11	Gray coarse to fine gravel, some fine sand, some silt
		10' - 11'	4/29/2014	4.8	Gray coarse to fine gravel, some fine sand, some silt
		11' - 12'	4/29/2014	0.18	Gray coarse to fine gravel, some fine sand, some silt
DI-82-02	F20	8' - 9'	4/29/2014	0.54 U	Brown clayey silt, some sand
		9' - 10'	4/29/2014	0.033	Brown clayey silt, some sand
		10' - 11'	4/29/2014	0.65 U	Brown clayey silt, some sand
		11' - 12'	4/29/2014	0.63 U	Brown clayey silt, some sand
DI-83-01	F20	0' - 1'	4/29/2014	0.12	Gray coarse to fine sand and coarse to fine gravel
		1' - 2'	4/29/2014	0.49	Gray medium to fine sand and medium to ifne gravel
		2' - 3'	4/29/2014	19.1	Brown fine sand and silt, some clay
		3' - 4'	4/29/2014	5.8	Brown fine sand and silt, some clay
		4' - 5'	4/29/2014	16.6	Brown fine sand and silt, some clay
		5' - 6'	4/29/2014	14.4 [4.5]	Brown fine sand and silt, some clay
		6' - 7'	4/29/2014	1.3	Black fine sand and silt, some clay
		7' - 8'	4/29/2014	0.085	Black fine sand and silt, some clay
		8' - 9'	4/29/2014	0.16 [0.15]	Black fine sand and silt, some clay
		9' - 10'	4/29/2014	0.21	Black fine sand and silt
		10' - 11'	4/29/2014	0.15	Black fine sand and silt
		11' - 12'	4/29/2014	0.14	Black fine sand and silt
DI-83-02	F20	2' - 3'	4/29/2014	3.9	Dark brown to black sandy silt, some clay
		4' - 5'	4/29/2014	0.29	Dark brown to black sandy silt, some clay
		5' - 6'	4/29/2014	0.28	Dark brown to black sandy silt, some clay
DI-83-03	F20	0' - 1'	4/29/2014	0.19	Gray coarse to fine sand and medium to fine gravel
		1' - 2'	4/29/2014	0.63	Brown silty clay, little sand
		2' - 3'	4/29/2014	0.031	Brown clayey silt, little sand
		3' - 4'	4/29/2014	0.57 U	Brown clayey silt, little sand
		4' - 5'	4/29/2014	0.2	Brown sandy silt, some clay
DI-84-01	C16	0' - 1'	12/2/2014	0.17 J	Red brown fine-coarse sand, some angular gravel
		1' - 2'	12/2/2014	0.52	Brown silty clay, trace fine sand
		2' - 3'	12/2/2014	7.2	Brown clayey silt, little fine sand
		3' - 4'	12/2/2014	3.2	Brown fine-coarse sand, little angular gravel
		4' - 5'	12/2/2014	0.16 J	Brown clayey silt 4-4.5' Brown clay, little silt 4.5-5'
		5' - 6'	12/2/2014	0.94	Brown clay, som silt, little sub angular gravel
		6' - 7'	12/2/2014	0.4 J [1.1 J]	Brown clayey silt, some fin sand, little subangular gravel
		7' - 8'	12/2/2014	0.82	Brown fine silty sand, trace clay, clay increase with depth
		8' - 9'	12/2/2014	<0.27	Brown silt clay, trace fine sand
		9' - 10'	12/2/2014	0.19 J	Brown clay, little silt
		10' - 11'	12/2/2014	10.9	Brown clay, little silt, trace sub angular gravel
		11' - 12'	12/2/2014	0.051 J	Red brown fine sand, little silt
DI-84-02	C16	2' - 3'	12/2/2014	3.8	Brown clayey silt, little course sand
		3' - 4'	12/2/2014	0.11 J	Brown silty clay, some fine-course sand
		10' - 11'	12/2/2014	<0.27	Brown fine sand, some silt, little clay
DI-84-03	C16	2' - 3'	12/2/2014	0.14 J	Dark brown silty clay
DI-85-01	C15	0' - 1'	12/2/2014	0.3 B	Red brown fine-coarse sand, little angular gravel
		2' - 3'	12/2/2014	25.7 B	Red brown fine- med. sand, little rounded gravel, clay lense at 2.2'
		3' - 4'	12/2/2014	36.9 B	Brown fine silty sand, little clay
		4' - 5'	12/2/2014	80.2 B	Dark brown fine sandy silt, little clay, little med.-course sand
		5' - 6'	12/2/2014	71 B	Dark brown fine sandy silt, little clay, trace med.-course sand
		6' - 7'	12/2/2014	0.78 B	Dark brown clayey silt, little fine-med. Sand, increase in clay with depth
		7' - 8'	12/2/2014	0.5 B	Brown fine silty sand
		8' - 9'	12/2/2014	0.38 J [0.20 J]	Brown fine silty sand
		9' - 10'	12/2/2014	48.6	Brown silty clay, trace sub angular gravel
		10' - 11'	12/2/2014	0.42	Brown fine sand silt, trace med. Sand
		11' - 12'	12/2/2014	0.53 J [0.43 J]	Brown fine sandy silt, trace med. Sand. Fine sand lens at 11.8'
DI-85-02	D15	1' - 2'	12/2/2014	39.5	Dark brown sandy silt, little clay
		3' - 4'	12/2/2014	5.4	Brown fine sandy silt, some clay
		4' - 5'	12/2/2014	143	Brown fine sandy silt, little clay
		5' - 6'	12/2/2014	1.7	Dark brown silty sand, little clay, clay decreasing with depth
		9' - 10'	12/2/2014	0.085 J	Brown silty clay, little fine sand

Table 1D
Soil Investigation Cadmium Concentrations
Within the Roadways Adjacent to Culverts
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-85-03	D15	1' - 2'	12/2/2014	0.097 J	Brown fine silty sand, trace clay, clay increase with depth
		2' - 3'	12/2/2014	0.33	Brown sandy silt, little clay, little rounded gravel
		3' - 4'	12/2/2014	0.13 J	Brown sandy silt, little clay, little rounded gravel
		4' - 5'	12/2/2014	0.31	Dark brown clayey silt, little fine sand
DI-86-01	F23	0' - 1'	12/3/2014	5.9	Dark brown fine sandy silt, little coarse sand
		2' - 3'	12/3/2014	2.6	Dark brown fine sandy silty little clay
		3' - 4'	12/3/2014	3.1	Dark brown fine sandy silty little clay
		4' - 5'	12/3/2014	2.6	Brown silt, little rounded gravel, trace clay
		5' - 6'	12/3/2014	3.8	Brown silt, some fine-course sand
		6' - 7'	12/3/2014	0.42	Grey fine silty sand, trace clay 6-6.7'. Light brown fine silty sand 6.7'-7'
		7' - 8'	12/3/2014	0.35	Brown fine sandy silt
		8' - 9'	12/3/2014	0.47	Brown fine sandy silt
		9' - 10'	12/3/2014	0.25 J	Dark brown fine silty sand, wet.
		10' - 11'	12/3/2014	0.39	Pinkish-brown silty clay, trace fine sand
		11' - 12'	12/3/2014	0.30	Pinkish-brown silty clay, trace fine sand
DI-86-02	F23	0' - 1'	12/3/2014	0.19 J	Grey-brown silt, little fine sand, trace clay
		1' - 2'	12/3/2014	0.10 J	Subangular and angular gravel, little fine-coarse sand
		2' - 3'	12/3/2014	0.074 J	Brown fine-course sand, little angular gravel (fill)
DI-86-03	F23	3' - 4'	12/3/2014	<0.28	Light brown silt, little clay, little pure sand
		4' - 5'	12/3/2014	<0.28	Light brown silt, some fine sand
		5' - 6'	12/3/2014	<0.26	Light brown silt, some fine sand
DI-87-01	G22	0' - 1'	12/3/2014	0.073 J	Dark brown fine sandy silt, trace clay, increase clay with depth
		1' - 2'	12/3/2014	0.12 J	Dark brown silty clay, little fine sand
		2' - 3'	12/3/2014	1.2	Brown fine sandy silt 2-2.5' Black fine sandy silt 2.5-3'
		3' - 4'	12/3/2014	32.8	Black fine sandy silt
		4' - 5'	12/3/2014	0.73	Dark brown fine sandy silt, trace clay, increase clay with depth
		5' - 6'	12/3/2014	0.29	Brown silty clay, trace fine sand
		6' - 7'	12/3/2014	2.9	Brown fine sandy silt, little clay
		7' - 8'	12/3/2014	0.12 J	Brown fine sandy silt, trace clay
		8' - 9'	12/3/2014	0.43	Brown fine sandy silt, trace clay
		9' - 10'	12/3/2014	0.25 J	Brown fine silty sand
		10' - 11'	12/3/2014	1.7	Brown silt, some fine sand, trace clay
		11' - 12'	12/3/2014	0.07 J	Brown fine silty sand, trace clay
DI-87-02	G22	3' - 4'	12/3/2014	1.7	Brown clayey silt, little fine sand, decrease in clay with depth
		6' - 7'	12/3/2014	0.079 J	Brown clayey silt, trace fine sand
DI-88-02	G26	0' - 1'	12/5/2014	0.53	Brown silt, some F-M angular gravel, little F-sand
		1' - 2'	12/5/2014	2.1	Dark brown clay, some silt, trace F-sand
		2' - 3'	12/5/2014	0.33	Light brown clay, little salt
		4' - 5'	12/5/2014	0.039 J	Brown clay, little silt; gravel lense at 4.5'-5.0'
		5' - 6'	12/5/2014	0.074 J	Tan clay, trace silt; large rock at 5.5'-6.0'
		6' - 7'	12/5/2014	0.079 J	Tan clay, trace silt; large rock at 5.5'-6.0'
		7' - 8'	12/5/2014	0.064 J	Tan clay, trace silt; large rock at 5.5'-6.0'
		8' - 9'	12/5/2014	1.5	Dark brown clay, trace silt
		9' - 10'	12/5/2014	0.07 J	Dark brown clay, trace silt; gravel lense
		10' - 11'	12/5/2014	0.067 J	Tan clay, trace silt
		11' - 12'	12/5/2014	0.053 J	Tan clay, trace silt
DI-88-03	G26	3' - 4'	12/5/2014	0.99	Dark brown clay, some silt, little F-sand
DI-89-01	G26	0' - 1'	12/2/2014	0.63 J [1.5 J]	Brown fine silty sand, some clay.
		1' - 2'	12/2/2014	1.6 B	Brown silt, some clay, trace rounded gravel
		2' - 3'	12/2/2014	0.82 B	Brown silt, some clay, little angular gravel (slough)
		3' - 4'	12/2/2014	0.8 B	Brown clayey silt, trace sub angular gravel
		4' - 5'	12/2/2014	1.2 B	Brown clayey silt, trace sub angular gravel
		5' - 6'	12/2/2014	0.77 B [0.043 J]	Brown silty clay , little fine sand
		6' - 7'	12/2/2014	0.49 J	Brown silty clay, little fine sand
		7' - 8'	12/2/2014	0.56 B	Brown clayey silt, some fine sand
		8' - 9'	12/2/2014	0.4 B	Brown clayey silt, increasing clay with depth, trace fine sand.
		9' - 10'	12/2/2014	0.45 B	Brown silty clay, lenses of fine sand throughout
		10' - 11'	12/2/2014	0.4 B	Brown silty clay, little angular gravel, wet.
		11' - 12'	12/2/2014	0.38 B	Brown silty clay, little fine sand
DI-90-01	C29	0' - 1'	12/1/2014	0.051 J	Brown silty clay with some rounded gravel
		3' - 4'	12/1/2014	0.087 J	Brown silty clay with some rounded gravel
		4' - 5'	12/1/2014	0.072 J	Brown fine to coarse sand little angular gravel
		5' - 6'	12/1/2014	0.076 J	Brown fine to coarse sand little angular gravel
		6' - 7'	12/1/2014	0.083 J	Brown fine to coarse sand little angular gravel
		7' - 8'	12/1/2014	0.09 J	Brown fine silty sand little clay
		8' - 9'	12/1/2014	0.12 J [0.14 J]	Brown fine silty sand little clay
		9' - 10'	12/1/2014	0.078 J	Light brown fine silty sand some clay fine sand lense 9'-9.2'
		10' - 11'	12/1/2014	0.11 J	Gray fine sandy silt, little clay
		11' - 12'	12/1/2014	0.14 J	Bark brown fine sand little silt, red mottling

Table 1D
Soil Investigation Cadmium Concentrations
Within the Roadways Adjacent to Culverts
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-90-02	C29	1' - 2'	12/1/2014	0.041 J	Angular gravel and coarse sand (slough from pavement)
		2' - 3'	12/1/2014	1.3	Angular gravel and coarse sand (slough from pavement)
DI-91-01	C30	0' - 1'	12/1/2014	0.86	Brown fine-coarse sand, trace clay
		1' - 2'	12/1/2014	8.5	Dark brown fine sand, little silt
		2' - 3'	12/1/2014	0.30	Dark brown fine sand, little silt
		3' - 4'	12/1/2014	0.11 J	Brown fine sand, little silt, trace sub-angular gravel
		4' - 5'	12/1/2014	0.67	Brown fine sand, some silt
		5' - 6'	12/1/2014	0.27	Gray fine sand, some clay
		6' - 7'	12/1/2014	0.44	Gray fine sand, some clay
		7' - 8'	12/1/2014	0.41	Gray fine sand, some clay
		8' - 9'	12/1/2014	0.39	Brown fine sand, little soil, wet
		9' - 10'	12/1/2014	0.22 J	Brown fine silty sand, trace clay
		10' - 11'	12/1/2014	0.53 J [0.070 J]	Brown fine silty sand, trace clay
DI-91-02	C30	1' - 2'	12/1/2014	0.72	Red-brown fine to coarse sand, little clay

Notes:

1. Boring locations are shown on Figure s 4A through 4C.
2. Figure coordinates correspond to coordinate system shown on Figures 4A through 4C.
3. mg/kg = milligrams/kilograms (equivalent to ppm = parts per million).
4. Duplicate results are presented in brackets.
5. B - Compound was found in the blank and sample.
6. J - The detected concentration is an estimated value.
7. U - Result edited to reflect non-detect by data validation company due to presence of cadmium in the associated preparation blank at similar concentrations.
8. < - Analyte not detected at the reporting limit shown.

Table 2
Soil Cleanup Objectives (SCOs) for Cadmium
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Location	Depth (ft)	SCO (mg/kg)
Wooded/wetland area	0-2	4
Wooded/wetland area within the footprint of the 2-foot excavation[1]	2-6	100
Onondaga County Drainage District Easement outside of the wooded/wetland area	0-2	10
Residential Properties	0-2	2.5
Residential Properties	2-4	10
Apartment Complex Area	0-2	4.3
Apartment Complex Area	2-4	10
Side bank soil from Bloody Brook between Old Liverpool Road and the Onondaga Lake Parkway	0-2	4
Former drive-in theater area outside of side banks	0-2	9.3

Note:

1. For purposes of mass removal, deeper excavations were completed in targeted areas containing high levels of cadmium.

Table 3A
Survey Verification of Final Excavation Depths
NYS Thruway to Brookview Lane[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Excavation (ft)
2ft Excavation Areas							
10400	1132179.09	923804.85	E5	385.22	2.00	381.91	3.31
10409	1132259.41	923804.41	E4	386.13	2.00	382.60	3.52
10420	1132180.51	923824.80	E5	384.82	2.00	382.18	2.64
10431	1132270.98	923828.86	E4	386.45	2.00	383.67	2.77
10434	1132241.04	923830.84	E4	384.42	2.00	382.37	2.04
10441	1132181.70	923844.77	E5	384.92	2.00	382.36	2.56
10451	1132279.53	923848.34	E4	387.06	2.00	384.63	2.43
10457	1132222.40	923852.11	E4	383.77	2.00	381.62	2.15
10462	1132183.61	923864.69	D4	385.57	2.00	382.49	3.09
10473	1132278.48	923868.46	E4	388.08	2.00	384.34	3.74
10477	1132243.67	923870.75	E4	385.07	2.00	383.00	2.07
10482	1132193.78	923874.04	D4	384.85	2.00	382.56	2.29
10494	1132270.36	923889.03	E4	387.14	2.00	385.11	2.03
10498	1132235.01	923891.36	D4	386.12	2.00	384.10	2.02
10513	1132271.66	923908.99	D3	387.77	2.00	385.32	2.45
10529	1132277.18	923928.56	D3	388.84	2.00	386.07	2.77
10532	1132247.62	923930.62	D4	386.73	2.00	383.95	2.79
10545	1132278.83	923948.61	D3	389.60	2.00	387.14	2.46
10572	1132270.86	923979.20	D3	387.97	2.00	385.76	2.20
10582	1132252.22	924000.47	D3	386.39	2.00	384.26	2.12
10585	1132290.71	923997.93	D3	389.78	2.00	386.79	2.99
10597	1132293.45	924017.79	D3	388.55	2.00	386.52	2.03
10605	1132274.81	924039.07	C3	387.12	2.00	384.47	2.65
10607	1132294.76	924037.75	C3	387.92	2.00	385.57	2.35
10609	1132312.70	924036.57	D2	389.70	2.00	387.12	2.59
10620	1132326.01	924055.74	C2	390.00	2.00	386.88	3.12
10628	1132307.37	924077.01	C2	387.42	2.00	385.07	2.35
10631	1132337.14	924075.05	C2	390.37	2.00	386.58	3.79
10641	1132348.60	924094.33	C2	388.64	2.00	386.62	2.02
10648	1132405.99	924090.55	D1	390.06	2.00	387.83	2.22
10661	1132350.08	924114.40	C2	387.47	2.00	385.45	2.02
10668	1132419.35	924106.78	C1	390.13	2.00	387.42	2.71
10670	1132410.44	924120.32	C1	389.08	2.00	386.81	2.28
10679	1132381.16	924132.28	C1	388.30	2.00	385.66	2.64
11050	1132197.60	923887.18	D4	385.41	2.00	382.52	2.89
11063	1132188.73	923851.99	D4	383.85	2.00	380.83	3.02
11825	1132378.68	924177.03	C1	388.23	2.00	385.90	2.33
11827	1132368.73	924194.38	B1	388.01	2.00	385.43	2.59
11829	1132358.77	924211.73	B1	387.80	2.00	385.40	2.40
11831	1132348.82	924229.07	B1	387.61	2.00	385.53	2.08
11833	1132338.86	924246.42	B1	388.26	2.00	386.11	2.15
11835	1132332.16	924258.10	B1	388.81	2.00	386.44	2.37
11859	1132318.83	924241.15	B1	387.98	2.00	385.41	2.57
11860	1132359.21	924150.69	C2	387.32	2.00	385.27	2.05
11865	1132337.73	924188.12	B2	387.85	2.00	385.84	2.01
11867	1132327.77	924205.47	B2	387.62	2.00	385.57	2.05
11881	1132307.66	924220.44	B2	387.84	2.00	385.48	2.37
11882	1132343.14	924138.50	C2	387.46	2.00	385.38	2.08
11894	1132326.64	924147.17	C2	388.37	2.00	386.25	2.12
11896	1132316.68	924164.52	B2	387.91	2.00	385.75	2.16
11900	1132296.00	924200.57	B2	387.85	2.00	385.07	2.79
11908	1132293.08	924185.56	B2	388.05	2.00	385.30	2.75
11911	1132314.27	924128.54	C2	388.00	2.00	385.96	2.04
11917	1132285.57	924178.55	B2	389.48	2.00	386.59	2.89
11924	1132285.69	924158.26	B2	390.15	2.00	385.98	4.16
11930	1132286.97	924135.94	C2	388.06	2.00	386.01	2.05
11932	1132277.01	924153.28	B2	390.70	2.00	385.71	4.99
11934	1132293.22	924104.94	C2	386.90	2.00	384.77	2.13
11939	1132293.26	924090.21	C2	386.21	2.00	383.94	2.28
11943	1132269.62	924125.98	C2	388.98	2.00	385.32	3.66
11947	1132246.07	923790.42	E4	385.02	2.00	383.00	2.02
11955	1132177.88	923784.89	E5	385.15	2.00	382.81	2.33
11959	1132217.80	923782.26	E5	383.64	2.00	381.58	2.06
11967	1132207.16	923772.94	E5	383.24	2.00	381.22	2.02
11971	1132176.57	923764.93	E5	385.10	2.00	382.75	2.35
11974	1132206.50	923762.96	E5	383.14	2.00	381.11	2.03
11978	1132242.47	923760.59	F4	384.37	2.00	382.31	2.06
11987	1132181.35	923744.58	E5	384.58	2.00	381.66	2.93
12003	1132179.60	923724.65	F5	384.62	2.00	381.77	2.85
12006	1132203.87	923723.05	F5	382.19	2.00	380.18	2.01
12008	1132223.83	923721.73	F5	382.76	2.00	379.59	3.17

Table 3A
Survey Verification of Final Excavation Depths
NYS Thruway to Brookview Lane[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Excavation (ft)
12019	1132175.95	923704.84	F5	384.66	2.00	381.42	3.24
12027	1132221.86	923691.80	F5	381.69	2.00	379.14	2.54
12033	1132169.11	923685.25	F5	384.60	2.00	381.77	2.83
12047	1132210.56	923672.50	F5	381.56	2.00	379.53	2.03
12053	1132158.24	923665.92	F6	383.70	2.00	381.57	2.13
12065	1132219.23	923651.88	F5	382.08	2.00	379.46	2.63
12089	1132279.12	924090.03	C3	386.70	2.00	384.56	2.14
12092	1132282.70	924071.93	C3	386.06	2.00	383.99	2.07
12098	1132259.62	924103.47	C3	388.40	2.00	385.04	3.35
12099	1132250.89	924089.63	C3	388.06	2.00	385.00	3.06
12101	1132265.15	924075.72	C3	386.90	2.00	384.26	2.64
12109	1132239.99	924072.33	C3	387.63	2.00	384.56	3.07
12112	1132258.35	924054.42	C3	386.62	2.00	383.91	2.71
12119	1132228.74	924055.36	C3	387.45	2.00	384.16	3.29
12121	1132237.22	924047.09	C3	386.71	2.00	383.60	3.11
12125	1132237.40	924032.94	C3	386.66	2.00	383.38	3.28
12128	1132217.32	924038.56	C3	388.42	2.00	385.25	3.16
12132	1132236.17	924015.48	C3	386.28	2.00	382.99	3.30
12135	1132223.43	924018.63	C3	386.71	2.00	383.66	3.05
12138	1132205.94	924021.72	C3	390.55	2.00	387.48	3.07
12142	1132227.20	924000.98	C3	386.16	2.00	383.11	3.05
12145	1132209.46	924004.31	C4	386.84	2.00	384.40	2.44
12148	1132194.94	924004.51	C4	387.79	2.00	385.72	2.07
12151	1132214.82	923985.12	C4	386.07	2.00	383.73	2.34
12154	1132195.50	923990.00	C4	387.06	2.00	384.73	2.34
12160	1132201.12	923970.54	D4	385.49	2.00	383.48	2.02
12164	1132181.36	923972.77	C4	388.15	2.00	385.82	2.34
12166	1132184.01	923952.33	D4	385.59	2.00	383.48	2.11
12168	1132234.75	923644.76	F5	384.99	2.00	382.95	2.04
12177	1132147.25	923646.60	F6	382.88	2.00	380.23	2.66
12189	1132214.60	923622.12	G5	381.81	2.00	378.47	3.35
12197	1132136.81	923627.25	F6	382.51	2.00	380.47	2.04
12204	1132186.66	923613.94	F6	381.00	2.00	378.54	2.46
12209	1132204.65	923602.73	G6	381.64	2.00	377.83	3.81
12213	1132166.05	923605.28	F6	381.25	2.00	377.94	3.31
12217	1132126.62	923607.88	F6	382.48	2.00	380.03	2.45
12227	1132194.81	923585.46	G6	381.36	2.00	378.17	3.19
12236	1132115.96	923587.60	F6	382.05	2.00	380.01	2.04
12246	1132184.57	923563.97	G6	381.56	2.00	378.82	2.74
12248	1132163.42	923565.36	G6	381.03	2.00	378.70	2.32
12253	1132112.07	923568.75	F7	381.62	2.00	379.10	2.52
12263	1132175.89	923545.07	G6	381.58	2.00	379.41	2.16
12276	1132172.66	923526.69	G6	381.43	2.00	379.33	2.10
12278	1132169.07	923510.50	G6	381.34	2.00	379.17	2.18
12286	1132153.22	923511.53	G7	381.03	2.00	378.65	2.38
12288	1132165.71	923496.07	G6	381.45	2.00	379.06	2.39
12289	1132162.68	923481.74	G7	381.57	2.00	379.25	2.32
12307	1132159.49	923467.36	H7	381.68	2.00	379.55	2.13
12512	1132185.76	923884.37	D4	385.68	2.00	382.97	2.71
12514	1132187.08	923904.54	D4	385.74	2.00	383.35	2.39
12518	1132186.60	923924.55	D4	385.88	2.00	383.09	2.79
12520	1132202.41	923943.62	D4	386.12	2.00	383.91	2.21
12706	1132156.44	923452.45	H7	381.62	2.00	378.80	2.82
12711	1132131.36	923469.48	G7	381.03	2.00	378.41	2.62
12715	1132089.72	923529.78	G7	381.15	2.00	378.14	3.02
12717	1132088.25	923512.62	G7	380.94	2.00	377.60	3.34
12722	1132139.39	923438.56	H7	381.26	2.00	378.97	2.28
12724	1132150.39	923422.65	H7	381.35	2.00	379.09	2.26
12731	1132076.68	923492.48	G7	380.69	2.00	378.61	2.08
12741	1132130.97	923396.29	H7	381.02	2.00	379.01	2.01
12761	1132139.22	923366.74	H7	381.15	2.00	379.11	2.04
12762	1132136.49	923353.09	H7	381.01	2.00	379.00	2.01
12769	1132097.46	923409.60	H8	380.51	2.00	377.97	2.55
12773	1132051.77	923475.76	G8	381.14	2.00	377.67	3.47
12775	1132055.14	923453.29	G8	380.36	2.00	378.33	2.03
12784	1132120.79	923340.64	H8	380.54	2.00	378.32	2.22
12794	1132029.60	923472.67	G8	381.45	2.00	379.22	2.23
12805	1132078.46	923384.33	H8	380.02	2.00	377.93	2.09
12807	1132089.83	923367.87	H8	380.04	2.00	377.97	2.07
12839	1132084.74	923340.05	H8	379.18	2.00	376.98	2.20
12841	1132093.76	923326.98	H8	379.05	2.00	376.38	2.67
12846	1132059.46	923359.05	H8	379.43	2.00	377.28	2.15

Table 3A
Survey Verification of Final Excavation Depths
NYS Thruway to Brookview Lane[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Excavation (ft)
12848	1132048.09	923375.51	H8	379.39	2.00	376.65	2.73
12849	1132042.40	923383.73	H8	379.35	2.00	377.19	2.16
12861	1132028.50	923386.28	H8	378.95	2.00	373.71	5.24
12868	1132068.28	923328.68	H8	377.20	2.00	375.10	2.09
12869	1132054.37	923331.23	H8	377.75	2.00	375.22	2.53
12871	923347.684	1132043.00	H8	376.93	2.00	See Note 4	See Note 4
12873	923364.14	1132031.637	H8	376.69	2.00	See Note 4	See Note 4
12875	923380.597	1132020.271	H8	376.48	2.00	See Note 4	See Note 4
12876	923388.825	1132014.588	H8	376.43	2.00	See Note 4	See Note 4
12882	923399.567	1131994.948	G8	377.42	2.00	See Note 4	See Note 4
12883	923391.37	1132000.677	G8	377.44	2.00	See Note 4	See Note 4
12884	923383.142	1132006.36	H8	377.47	2.00	See Note 4	See Note 4
12896	1132009.25	923448.42	G8	380.14	2.00	378.09	2.05
12914	1131992.41	923459.21	G8	380.07	2.00	378.01	2.06
12916	1132005.64	923478.65	G8	380.67	2.00	378.55	2.12
12927	1131949.60	923431.81	G9	378.26	2.00	372.06	6.20
12933	1131987.12	923487.00	G8	380.78	2.00	378.76	2.02
12950	1131966.31	923509.53	F8	380.99	2.00	378.79	2.20
12958	1131924.21	923447.86	G9	382.81	2.00	376.33	6.48
12971	1131940.16	923506.85	F8	379.90	2.00	377.82	2.08
12980	1131898.70	923463.69	F9	383.16	2.00	377.10	6.06
12983	1131916.33	923489.61	F9	377.61	2.00	371.50	6.11
12990	1131943.53	923527.97	F8	380.46	2.00	378.44	2.02
13000	1131885.26	923490.18	F9	377.17	2.00	371.11	6.06
13002	1131900.30	923503.36	F9	377.68	2.00	375.11	2.57
13006	1131924.59	923537.96	F8	379.68	2.00	377.31	2.37
13016	1131887.12	923518.40	F9	377.80	2.00	375.12	2.68
13021	1131909.44	923551.28	F8	379.02	2.00	376.11	2.91
13035	1131889.85	923560.70	E9	375.60	2.00	373.59	2.01
13040	1131855.32	923530.42	F9	377.84	2.00	375.75	2.09
13044	1131868.27	923555.07	E9	378.68	2.00	376.60	2.08
13054	1131847.46	923563.42	E9	378.43	2.00	376.41	2.02
13147	1131903.49	923569.17	E8	379.03	2.00	377.00	2.03
13149	1131923.12	923574.42	F8	379.32	2.00	377.18	2.14
13152	1131949.15	923566.52	F8	381.26	2.00	379.13	2.13
13155	1131962.40	923559.22	F8	381.49	2.00	379.33	2.16
13157	1131959.83	923572.71	F8	380.45	2.00	378.44	2.01
13173	1131949.91	923602.02	E8	378.48	2.00	375.83	2.65
13175	1131939.60	923612.49	E8	380.57	2.00	378.56	2.02
13181	1131919.57	923612.79	E8	380.91	2.00	378.34	2.57
13185	1131909.77	923592.86	E8	379.93	2.00	376.70	3.23
13188	1131899.57	923612.72	E8	380.10	2.00	378.06	2.04
13196	1131877.64	923613.02	E8	379.08	2.00	377.07	2.01
13201	1131869.60	923593.21	E9	379.04	2.00	376.73	2.30
13204	1131873.25	923625.93	E8	380.55	2.00	378.43	2.12
13206	1131859.56	923621.52	E8	381.01	2.00	379	2.01
13213	1131839.48	923614.63	E9	380.77	2.00	378.68	2.08
13216	1131839.66	923582.35	E9	378.70	2.00	376.15	2.55
13220	1131819.49	923607.86	E9	380.45	2.00	378.44	2.01
13224	1131809.78	923593.68	E9	379.67	2.00	377.48	2.19
13226	1131799.53	923601.08	E9	380.11	2.00	378.1	2.01
13231	1131779.51	923598.24	E9	379.75	2.00	377.75	2.00
13236	1131759.61	923600.25	D9	379.54	2.00	377.24	2.30
13239	1131721.08	923600.75	D10	377.94	2.00	375.92	2.01
13243	1131710.44	923593.30	D10	377.17	2.00	375.01	2.15
13245	1131712.09	923613.57	D10	378.53	2.00	376.49	2.04
13251	1131692.63	923618.88	D10	378.73	2.00	376.46	2.26
13257	1131670.75	923599.90	D10	376.88	2.00	374.74	2.14
13259	1131672.46	923620.14	D10	379.00	2.00	376.89	2.11
13261	1131661.69	923610.79	D10	377.14	2.00	375.13	2.01
13265	1131650.91	923601.31	D10	376.41	2.00	374.33	2.08
13267	1131652.50	923621.31	D10	378.78	2.00	376.52	2.26
13273	1131630.84	923602.47	D11	376.98	2.00	374.80	2.18
13275	1131632.61	923622.42	D10	378.54	2.00	376.43	2.11
13282	1131606.40	923598.85	D11	376.62	2.00	374.36	2.26
13284	1131612.40	923623.58	D11	379.56	2.00	377.36	2.20
13285	1131395.30	923527.69	C13	377.40	2.00	374.45	2.95
13288	1131376.52	923520.56	C13	377.43	2.00	374.75	2.68
13290	1131370.48	923506.59	C13	374.86	2.00	372.57	2.28
13292	1131357.77	923513.42	C13	376.90	2.00	373.95	2.94
13299	1131318.95	923524.14	C14	378.54	2.00	376.51	2.03
13302	1131320.07	923501.85	C14	377.30	2.00	375.18	2.12

Table 3A
Survey Verification of Final Excavation Depths
NYS Thruway to Brookview Lane[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Excavation (ft)
13304	1131328.43	923486.57	C14	374.92	2.00	372.88	2.04
13307	1131301.37	923514.59	C14	378.08	2.00	376.05	2.03
13317	1131283.92	923504.80	C14	377.65	2.00	375.36	2.29
13321	1131281.40	923468.62	C14	374.61	2.00	372.60	2.01
13324	1131266.35	923495.36	C14	377.54	2.00	375.53	2.01
13326	1131262.62	923481.89	C14	376.72	2.00	374.71	2.01
13330	1131253.96	923488.52	C14	377.35	2.00	375.33	2.02
13331	1131240.61	923494.77	C14	378.59	2.00	376.59	2.00
13333	1131251.50	923478.07	C14	376.62	2.00	374.57	2.05
13339	1131241.78	923456.35	C15	374.81	2.00	372.79	2.02
13340	1131234.26	923468.17	C15	376.24	2.00	374.21	2.03
13342	1131223.45	923484.87	C15	376.94	2.00	374.91	2.03
13350	1131197.36	923469.70	C15	376.99	2.00	374.98	2.01
13353	1131213.71	923444.71	C15	374.25	2.00	372.22	2.03
13355	1131180.09	923459.68	C15	377.55	2.00	375.50	2.05
13357	1131164.87	923450.77	C15	377.04	2.00	375.00	2.04
13361	1131193.63	923438.85	C15	371.39	2.00	369.33	2.06
13367	1131171.47	923443.14	C15	376.22	2.00	374.22	2.00
13519	1131807.70	923555.16	E9	377.53	2.00	375.50	2.03
13521	1131817.50	923537.16	E9	377.25	2.00	375.12	2.13
13544	1131779.68	923543.89	E10	377.46	2.00	375.39	2.08
13547	1131761.47	923556.43	E10	377.44	2.00	375.17	2.28
13572	1131698.87	923560.15	E10	376.91	2.00	374.33	2.57
13582	1131658.52	923547.61	D11	379.15	2.00	376.62	2.53
13604	1131638.53	923548.05	D11	377.92	2.00	375.88	2.04
13606	1131639.06	923568.05	D11	375.97	2.00	373.93	2.04
13610	1131619.96	923547.62	D11	377.59	2.00	375.57	2.02
13612	1131619.05	923567.60	D11	375.73	2.00	373.69	2.04
13616	1131600.91	923546.32	D11	377.02	2.00	375.00	2.02
13618	1131599.10	923566.24	D11	375.63	2.00	373.49	2.14
13622	1131581.93	923544.17	D11	377.13	2.00	375.11	2.02
13624	1131579.23	923563.98	D11	375.78	2.00	373.64	2.14
13628	1131563.07	923541.16	D11	377.09	2.00	374.90	2.18
13628	1131563.07	923541.16	D11	377.09	2.00	375.04	2.05
13630	1131559.48	923560.84	D11	375.95	2.00	373.53	2.42
13630	1131559.48	923560.84	D11	375.95	2.00	373.91	2.04
13738	1131525.81	923532.61	D12	376.95	2.00	374.33	2.62
13740	1131520.43	923551.87	D12	375.43	2.00	372.62	2.81
13750	1131488.24	923520.24	D12	377.92	2.00	374.57	3.35
13752	1131481.13	923538.96	D12	375.12	2.00	372.40	2.72
13762	1131450.87	923506.03	D13	377.41	2.00	375.08	2.33
13764	1131444.11	923523.79	D13	375.53	2.00	372.08	3.45
13774	1131413.46	923491.74	D13	375.87	2.00	372.97	2.90
13776	1131407.08	923508.62	D13	374.86	2.00	372.68	2.18
13780	1131394.73	923484.86	D13	375.81	2.00	373.49	2.32
13786	1131388.66	923471.62	D13	377.00	2.00	374.93	2.07
13788	1131394.43	923456.44	D13	378.83	2.00	376.81	2.02
13792	1131376.11	923477.55	D13	376.40	2.00	373.45	2.95
13796	1131375.94	923449.91	D14	378.56	2.00	376.54	2.02
13800	1131357.42	923470.43	D14	376.43	2.00	374.32	2.11
13801	1131338.76	923463.25	D14	376.22	2.00	374.16	2.06
13805	1131335.95	923435.81	D14	378.24	2.00	376.22	2.02
13807	1131330.69	923449.53	D14	376.93	2.00	374.83	2.10
13808	1131327.14	923458.89	D14	376.13	2.00	373.37	2.76
13809	1131369.93	923493.78	C13	374.92	2.00	372.84	2.08
13820	1131357.07	923443.26	D14	378.45	2.00	376.33	2.12
13821	1131332.93	923478.53	C14	374.79	2.00	372.65	2.14
13828	1131310.58	923452.94	D14	375.64	2.00	373.55	2.10
13831	1131295.83	923463.56	C14	374.61	2.00	372.51	2.10
13834	1131292.01	923445.51	D14	375.75	2.00	373.58	2.17
13840	1131273.32	923438.35	C14	375.80	2.00	373.61	2.18
13843	1131258.24	923449.88	C15	374.04	2.00	371.47	2.57
13846	1131254.63	923431.28	C15	375.90	2.00	373.84	2.07
13851	1131232.39	923433.48	C15	375.18	2.00	373.05	2.13
13852	1131235.94	923424.16	C15	376.44	2.00	374.06	2.38
13855	1131220.54	923436.47	C15	374.15	2.00	372.11	2.04
13858	1131217.07	923416.97	C15	376.19	2.00	374.15	2.04
13863	1131192.97	923418.46	C15	375.74	2.00	373.22	2.52
13864	1131200.01	923410.46	C15	376.49	2.00	374.50	1.99
16952	1132265.29	923801.08	F4	386.17	2.00	384.09	2.09
16954	1132260.20	923773.58	F4	386.38	2.00	384.38	2.01
16955	1132257.88	923761.59	F4	386.82	2.00	384.12	2.70

Table 3A
Survey Verification of Final Excavation Depths
NYS Thruway to Brookview Lane[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Excavation (ft)
16960	1132255.55	923754.65	F4	386.05	2.00	383.91	2.15
16961	1132254.37	923744.26	F4	386.13	2.00	383.98	2.15
17087	1132255.80	923729.21	F4	387.76	2.00	384.68	3.08
17093	1132253.30	923719.22	F4	387.96	2.00	385.49	2.47
17094	1132251.14	923706.24	F5	387.71	2.00	385.69	2.02
17100	1132247.40	923686.99	F5	387.37	2.00	385.33	2.04
17138	1132239.94	923662.48	F5	386.62	2.00	384.61	2.01
18011	923892.55	1132169.84	D4	385.40	2.00	382.41	2.99
18020	923889.24	1132152.05	D5	385.46	2.00	381.27	4.19
18095	923871.59	1132148.65	D5	385.26	2.00	382.62	2.64
18098	923873.82	1132166.61	D5	385.26	2.00	381.80	3.46
18107	923850.88	1132160.69	D5	385.17	2.00	382.17	3.00
18110	923853.29	1132147.07	D5	385.17	2.00	381.81	3.36
18117	923833.93	1132141.64	D5	384.85	2.00	382.44	2.41
18120	923833.44	1132153.61	D5	384.85	2.00	382.30	2.55
18136	923817.29	1132138.13	E5	384.43	2.00	382.34	2.09
18141	923813.49	1132148.44	E5	384.73	2.00	382.50	2.23
18147	923798.65	1132132.67	E5	384.44	2.00	382.17	2.27
18157	923797.51	1132143.52	E5	384.44	2.00	381.76	2.68
22053	923780.21	1132134.93	E5	383.69	2.00	381.51	2.18
22057	923783.34	1132130.07	E5	383.72	2.00	381.65	2.07
22060	923771.40	1132123.70	E5	384.02	2.00	381.81	2.21
22078	923759.61	1132118.14	E6	383.77	2.00	381.74	2.03
Side-Bank Between Stream Stations 5+25 and 7+75							
22111	923729.292	1132103.024	E6	382.94	See Note 3	381.37	1.57
22121	923708.493	1132094.141	E6	382.14	See Note 3	381.40	0.74
22125	923712.90	1132089.578	E6	382.35	See Note 3	381.36	0.99
22128	923704.618	1132078.987	E6	382.30	See Note 3	381.05	1.25
22132	923698.634	1132085.541	E6	382.10	See Note 3	380.87	1.23
22145	923681.97	1132067.876	E6	381.30	See Note 3	380.71	0.59
22148	923670.358	1132055.87	E7	380.96	See Note 3	379.86	1.10
22152	923676.264	1132048.706	E7	380.65	See Note 3	379.85	0.79
22155	923664.686	1132035.271	E7	380.49	See Note 3	379.42	1.08
22159	923656.95	1132042.066	E7	380.16	See Note 3	379.50	0.67
22166	923657.271	1132027.331	E7	380.37	See Note 3	378.90	1.47
22172	923642.35	1132024.788	E7	379.72	See Note 3	379.10	0.63
22175	923634.905	1132013.766	E7	378.77	See Note 3	378.16	0.62
22206	923620.20	1131997.674	E7	377.62	See Note 3	376.39	1.23
22212	923613.64	1131981.638	E7	378.46	See Note 3	376.88	1.58
22215	923607.684	1131986.3	F7	377.55	See Note 3	376.77	0.78
3ft Excavation Areas							
10401	1132189.18	923804.19	E5	384.02	3.00	380.93	3.09
10417	1132199.81	923813.51	E5	383.36	3.00	380.31	3.05
10421	1132190.49	923824.14	E5	383.64	3.00	380.34	3.30
10439	1132191.15	923834.12	E5	383.62	3.00	380.49	3.13
10459	1132202.44	923853.42	E4	383.92	3.00	380.89	3.03
10501	1132205.07	923893.34	D4	385.39	3.00	380.37	5.02
11055	1132209.83	923874.48	D4	383.90	3.00	380.89	3.01
11066	1132199.14	923833.64	E4	383.61	3.00	380.50	3.10
11068	1132187.63	923814.17	E5	384.09	3.00	380.98	3.12
11071	1132202.50	923798.83	E5	383.27	3.00	380.11	3.16
11077	1132203.87	923780.91	E5	383.21	3.00	379.38	3.83
4ft Excavation Areas							
11093	1132201.41	923712.93	F5	381.92	4.00	377.49	4.42
11098	1132197.85	923697.94	F5	382.21	4.00	377.90	4.31
11102	1132191.63	923680.67	F5	382.31	4.00	378.28	4.03
11103	1132187.89	923672.82	F5	382.24	4.00	378.18	4.06
11105	1132175.84	923677.75	F5	383.59	4.00	378.47	5.12
11108	1132184.88	923665.79	F5	382.14	4.00	377.70	4.44
11109	1132181.41	923657.38	F6	381.96	4.00	377.62	4.34
11112	1132166.07	923654.98	F6	382.51	4.00	377.65	4.86
11115	1132174.74	923641.92	F6	381.43	4.00	377.26	4.18
11117	1132160.32	923641.47	F6	382.04	4.00	377.59	4.45
11120	1132168.71	923626.86	F6	381.46	4.00	377.40	4.06
11122	1132157.13	923631.97	F6	382.00	4.00	377.42	4.58
11168	1132113.76	923494.67	G7	380.61	4.00	375.46	5.15
11171	1132092.73	923500.89	G7	380.81	4.00	375.25	5.56
11176	1132111.29	923477.64	G7	380.52	4.00	376.49	4.03
11178	1132094.74	923482.59	G7	380.59	4.00	375.96	4.63
11179	1132086.05	923485.52	G7	380.62	4.00	376.27	4.35
11184	1132108.72	923460.79	G7	380.53	4.00	376.42	4.11

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NYS Thruway to Brookview Lane[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Excavation (ft)
11186	1132092.07	923465.92	G7	380.50	4.00	376.11	4.39
11188	1132080.09	923471.13	G7	380.55	4.00	375.90	4.65
11191	1132096.38	923449.34	G7	380.46	4.00	375.94	4.52
11195	1132071.83	923457.30	G7	380.52	4.00	375.87	4.65
11197	1132073.47	923445.57	G8	380.49	4.00	375.80	4.69
11198	1132080.52	923441.54	G7	380.47	4.00	376.08	4.39
11199	1132087.41	923434.83	G7	380.44	4.00	375.94	4.50
11201	1132097.94	923428.14	H7	380.54	4.00	376.08	4.46
11984	1132195.87	923753.64	E5	382.86	4.00	377.71	5.15
11990	1132205.19	923743.00	E5	382.88	4.00	378.24	4.64
12000	1132194.55	923733.68	F5	382.91	4.00	378.47	4.44
12031	1132181.94	923694.43	F5	383.85	4.00	377.72	6.13
15706	1132194.73	923689.34	F5	382.07	4.00	377.07	5.00
5ft Excavation Areas							
10284	923393.724	1132005.106	G8	376.76	5.00	See Note 4	See Note 4
10285	923415.942	1131973.876	G9	377.83	5.00	See Note 4	See Note 4
10500	1132215.05	923892.68	D4	385.38	5.00	380.23	5.15
10523	1132217.02	923922.61	D4	385.81	5.00	380.47	5.34
10536	1132209.54	923933.13	D4	386.13	5.00	380.32	5.81
10537	1132212.39	923942.96	D4	386.21	5.00	380.36	5.85
10539	1132228.32	923941.91	D4	385.87	5.00	380.76	5.10
10566	1132230.29	923971.85	D4	386.45	2.00	380.61	5.84
11032	1132236.23	923961.99	D4	385.99	5.00	380.72	5.27
11034	1132225.13	923958.42	D4	386.38	5.00	380.76	5.62
11036	1132215.31	923952.13	D4	386.29	5.00	381.01	5.28
11038	1132228.36	923929.66	D4	385.94	5.00	380.66	5.28
11042	1132221.88	923910.48	D4	385.55	5.00	380.33	5.22
11044	1132203.91	923912.13	D4	385.94	5.00	380.48	5.46
11046	1132211.03	923903.36	D4	385.47	5.00	380.23	5.24
11129	1132144.24	923605.29	F6	381.92	5.00	376.86	5.06
11131	1132154.64	923599.26	F6	381.49	5.00	376.48	5.01
11135	1132135.19	923588.84	F6	381.85	5.00	376.58	5.27
11137	1132144.22	923582.26	G6	381.56	5.00	376.54	5.02
11142	1132135.90	923572.84	G6	381.52	5.00	376.40	5.12
11144	1132133.25	923563.43	G6	381.35	5.00	376.23	5.12
11146	1132120.11	923564.80	G7	381.48	5.00	375.87	5.61
11148	1132127.23	923553.11	G7	381.21	5.00	376.21	5.00
11153	1132122.48	923539.86	G7	381.08	5.00	375.82	5.26
11156	1132103.57	923533.79	G7	381.15	5.00	376.12	5.03
11160	1132118.61	923520.14	G7	380.86	5.00	375.60	5.26
11164	1132098.31	923516.48	G7	380.91	5.00	375.02	5.89
12255	1132112.73	923556.48	G7	381.39	5.00	376.15	5.24
12799	1132044.36	923433.70	G8	380.09	5.00	375.02	5.07
12801	1132055.73	923417.24	G8	380.01	5.00	374.75	5.27
12803	1132067.10	923400.78	H8	379.99	5.00	373.97	6.02
12818	1132064.55	923386.87	H8	379.82	5.00	374.80	5.02
12820	1132053.18	923403.33	H8	379.79	5.00	373.55	6.25
12828	1132022.22	923430.56	G8	379.74	5.00	374.65	5.09
12833	1132050.64	923389.42	H8	379.62	5.00	374.57	5.04
12850	1132036.73	923391.96	H8	379.31	5.00	373.91	5.40
12893	923414.89	1131986.447	G8	376.27	5.00	See Note 4	See Note 4
12895	1132005.18	923438.43	G8	379.97	5.00	374.73	5.24
6ft Excavation Areas							
10295	1131739.74	923557.83	E10	377.25	6.00	371.05	6.20
10296	1131710.58	923562.76	E10	376.76	6.00	370.41	6.35
12909	1131966.12	923420.56	G9	377.89	6.00	371.88	6.01
12919	1131984.14	923464.84	G8	380.09	6.00	374.03	6.06
12932	1131975.87	923470.46	G8	380.13	6.00	374.09	6.04
12947	1131959.37	923481.55	F8	380.21	6.00	374.20	6.01
12974	1131927.62	923488.42	F9	375.61	6.00	369.53	6.08
12998	1131884.72	923476.40	F9	379.85	6.00	373.65	6.20
13528	1131814.69	923521.40	E9	376.50	6.00	370.33	6.17
13538	1131806.08	923513.84	E9	379.08	6.00	373.01	6.07
13543	1131784.58	923534.89	E10	377.35	6.00	371.33	6.02
13548	1131767.01	923546.08	E10	377.41	6.00	371.35	6.07
13551	1131778.91	923524.39	E10	381.29	6.00	374.03	7.26
13552	1131763.27	923529.50	E10	380.40	6.00	373.95	6.45
13554	1131754.46	923548.38	E10	377.31	6.00	371.08	6.23
13556	1131742.42	923550.00	E10	378.06	6.00	371.95	6.11
13558	1131751.89	923532.83	E10	380.47	6.00	372.94	7.53
13559	1131738.26	923536.33	E10	380.02	6.00	373.97	6.05
13561	1131728.68	923557.09	E10	377.15	6.00	371.09	6.05

Table 3A
Survey Verification of Final Excavation Depths
NYS Thruway to Brookview Lane[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Excavation (ft)
13562	1131728.54	923547.09	E10	378.53	6.00	372.45	6.07
13564	1131718.37	923540.89	E10	379.52	6.00	373.39	6.13
13566	1131718.82	923557.86	E10	377.11	6.00	370.75	6.37
13570	1131698.44	923543.89	E10	379.12	6.00	372.62	6.50
13574	1131688.63	923551.28	E10	378.07	6.00	371.88	6.19
13576	1131678.50	923546.23	E10	378.83	6.00	372.32	6.51

Notes:
1. Locations of survey points are provided in Figure 5A
2. Figure coordinates correspond to coordinate system shown on Figure 5A
3. Excavation depths were modified for preservation of mature trees between stream stations 5+25 and 7+75.
4. Due to steep slopes and resulting health and safety concerns, final excavation cuts were not surveyed for these points. Rather, the final depth was determined by projecting from the adjacent points.

Table 3B
Survey Verification of Final Excavation Depths
Brookview Lane to Old Liverpool Road[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Excavation (ft)
2ft Excavation Areas							
1703	1131148.14	923387.44	F17	376.23	2.00	374.22	2.01
1705	1131136.25	923405.58	F17	374.89	2.00	372.83	2.06
1706	1131126.74	923409.11	F17	375.98	2.00	373.93	2.05
1707	1131124.80	923413.19	F17	376.28	2.00	374.27	2.01
4366	1130666.19	923008.20	G23	371.58	2.00	369.50	2.08
4372	1130652.41	922992.68	G23	371.53	2.00	369.52	2.01
4376	1130635.64	922975.58	G24	371.52	2.00	369.50	2.02
4380	1130618.54	922960.22	G24	371.60	2.00	369.54	2.06
4385	1130678.17	922986.37	G23	371.66	2.00	369.67	1.99
4387	1130667.93	922973.86	G23	371.44	2.00	369.38	2.06
4389	1130658.89	922964.85	G23	370.98	2.00	368.93	2.05
4391	1130648.65	922954.90	G24	370.72	2.00	368.69	2.03
4393	1130635.41	922943.53	G24	370.64	2.00	368.57	2.07
4482	1131011.02	923346.41	F19	374.75	2.00	372.66	2.09
14736	1131124.39	923373.65	F17	375.38	2.00	373.35	2.03
14738	1131106.45	923364.81	F18	374.68	2.00	372.66	2.02
14740	1131081.77	923349.36	F18	375.05	2.00	373.05	2.00
14742	1131065.32	923337.97	F18	375.18	2.00	373.16	2.02
14744	1131054.06	923324.51	F18	375.87	2.00	373.80	2.07
14746	1131042.68	923324.32	F18	374.54	2.00	372.49	2.05
14748	1131025.29	923314.39	F19	373.69	2.00	371.69	2.00
14750	1131007.93	923304.46	F19	373.01	2.00	371.00	2.01
14752	1130990.57	923294.54	F19	373.39	2.00	371.30	2.09
14754	1130970.99	923283.40	F19	372.90	2.00	370.90	2.00
14756	1130954.85	923271.58	F19	373.01	2.00	371.00	2.01
14758	1130939.28	923260.34	F20	372.20	2.00	370.20	2.00
14767	1130980.54	923269.41	F19	376.89	2.00	374.78	2.11
14769	1130998.42	923278.36	F19	376.57	2.00	374.55	2.02
14780	1131025.01	923280.41	F19	376.70	2.00	374.69	2.01
14781	1131036.83	923291.13	F19	375.89	2.00	373.88	2.01
14782	1131048.64	923301.85	F18	375.82	2.00	373.82	2.00
14783	1131041.50	923308.30	F18	375.36	2.00	373.33	2.03
14785	1130912.15	923268.83	F20	374.10	2.00	372.10	2.00
14797	1130902.25	923280.21	F20	375.29	2.00	373.28	2.01
14799	1130919.35	923290.47	F20	375.70	2.00	373.70	2.00
14801	1130935.57	923300.19	F19	375.00	2.00	373.00	2.00
14803	1130952.78	923310.51	F19	375.13	2.00	373.11	2.02
14805	1130970.22	923320.97	F19	374.97	2.00	372.96	2.01
14806	1130978.80	923326.11	F19	374.73	2.00	372.71	2.02
14808	1130995.95	923336.39	F19	374.55	2.00	372.45	2.10
14810	1130989.91	923348.50	E19	376.05	2.00	374.01	2.04
14826	1131110.58	923398.02	F17	375.27	2.00	373.26	2.01
14830	1131098.88	923398.10	F17	376.90	2.00	374.85	2.05
14832	1131081.72	923387.81	F17	376.71	2.00	374.70	2.01
14834	1131064.64	923377.54	F17	375.74	2.00	373.70	2.04
14836	1131047.41	923367.24	F17	375.46	2.00	373.41	2.05
14838	1131030.26	923356.96	F17	375.19	2.00	373.19	2.00
14851	1131017.86	923366.46	E18	375.84	2.00	373.77	2.07
40869	1130890.62	923202.25	F20	373.53	2.00	371.46	2.07
40873	1130864.33	923232.40	F20	374.95	2.00	372.92	2.03
40874	1130883.09	923195.68	F20	372.54	2.00	370.50	2.04
40878	1130856.80	923225.83	F20	375.09	2.00	373.06	2.03
40884	1130868.01	923182.53	F21	374.17	2.00	372.11	2.06
40899	1130845.40	923162.82	F21	373.24	2.00	371.22	2.01
40903	1130819.11	923192.97	F21	376.03	2.00	374.01	2.02
40909	1130830.33	923149.67	F21	373.63	2.00	371.56	2.07
40913	1130804.04	923179.82	F21	375.22	2.00	373.13	2.09
40919	1130815.25	923136.53	F21	373.30	2.00	371.29	2.01
40923	1130788.96	923166.68	F21	374.71	2.00	372.70	2.01
40933	1130773.89	923153.53	F22	374.92	2.00	372.88	2.04
40943	1130758.82	923140.39	F22	375.38	2.00	373.32	2.06
40953	1130743.74	923127.24	F22	375.17	2.00	373.11	2.06
40968	1130721.13	923107.53	F22	374.40	2.00	372.33	2.07
40970	1130873.27	923173.85	F21	376.11	2.00	374.11	2.00
40972	1130871.75	923163.03	F21	375.97	2.00	373.95	2.02
40977	1130861.46	923151.65	F21	375.52	2.00	373.49	2.03
40979	1130875.66	923138.80	G21	376.11	2.00	374.05	2.06
40988	1130851.81	923125.04	G21	375.05	2.00	373.01	2.04
40992	1130834.15	923114.85	G21	374.00	2.00	371.96	2.04
40996	1130819.73	923116.18	G21	373.86	2.00	371.83	2.03

Table 3B
Survey Verification of Final Excavation Depths
Brookview Lane to Old Liverpool Road[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Excavation (ft)
41011	1130782.39	923174.21	F21	376.58	2.00	374.51	2.07
41012	1130775.82	923181.75	F21	377.10	2.00	375.07	2.03
41013	1130769.25	923189.29	F21	377.46	2.00	375.44	2.02
41014	1130761.99	923197.61	F21	377.74	2.00	375.63	2.11
41022	1130780.27	923207.08	F21	377.07	2.00	375.01	2.06
41030	1130800.81	923217.73	F21	377.02	2.00	375.01	2.01
41031	1130807.92	923209.74	F21	377.02	2.00	375.01	2.01
41033	1130817.01	923199.53	F21	377.00	2.00	374.87	2.13
41035	1130829.85	923211.08	F21	377.00	2.00	374.91	2.09
41037	1130845.36	923225.03	F21	376.00	2.00	373.97	2.03
41228	1130763.45	922976.69	G23	373.99	2.00	371.77	2.22
41230	1130750.37	922990.80	G23	373.99	2.00	371.77	2.22
41231	1130743.57	922998.14	G23	373.82	2.00	371.78	2.04
41236	1130753.15	922964.47	G23	374.30	2.00	372.29	2.01
41245	1130740.17	922949.08	H23	374.88	2.00	372.87	2.01
41247	1130730.05	922959.79	G23	374.45	2.00	372.19	2.26
41248	1130723.18	922967.06	G23	374.10	2.00	372.09	2.01
41276	1130677.49	923020.63	G23	372.00	2.00	368.00	4.00
41280	1130709.56	922968.64	G23	373.57	2.00	371.55	2.02
41300	1130694.49	922955.49	G23	373.01	2.00	371.00	2.01
41318	1130679.41	922942.35	G23	372.73	2.00	370.69	2.04
41363	1130647.01	922914.09	G24	373.02	2.00	371.01	2.01
41617	1130697.90	923036.49	G23	369.79	2.00	367.77	2.02
41618	1130691.63	923039.63	G23	372.68	2.00	370.65	2.03
42321	1130370.01	922822.17	G27	370.95	2.00	368.95	2.00
42324	1130353.33	922825.69	G27	369.92	2.00	367.91	2.01
42334	1130334.00	922834.22	G27	370.11	2.00	368.11	2.00
42340	1130315.34	922841.66	F27	367.84	2.00	365.83	2.01
42352	1130297.93	922847.22	F27	367.89	2.00	365.89	2.00
42353	1130291.92	922844.75	F27	369.58	2.00	367.58	2.00
42364	1130266.09	922851.44	F27	369.60	2.00	367.59	2.01
42374	1130247.07	922857.65	F28	369.05	2.00	367.03	2.02
42386	1130227.82	922863.07	F28	369.15	2.00	367.11	2.04
42396	1130208.73	922869.06	F28	369.73	2.00	367.70	2.03
42415	1130189.51	922874.57	E28	370.08	2.00	368.08	2.00
42427	1130170.29	922880.13	E28	370.21	2.00	368.20	2.01
42439	1130151.19	922886.07	E28	370.31	2.00	368.30	2.01
42453	1130132.10	922892.02	E28	370.47	2.00	368.44	2.03
42465	1130113.00	922897.95	E29	370.56	2.00	368.39	2.17
42479	1130093.85	922903.73	E29	370.70	2.00	368.50	2.20
42491	1130074.70	922909.50	E29	370.96	2.00	368.66	2.30
42503	1130055.30	922914.44	D29	371.16	2.00	369.04	2.12
42508	1130059.80	922929.55	D29	366.32	2.00	364.27	2.05
42523	1130036.14	922918.44	D29	371.36	2.00	369.33	2.03
42524	1130023.26	922919.62	D29	371.05	2.00	369.01	2.04
42538	1130010.76	922918.75	D29	370.73	2.00	368.70	2.03
42545	1129995.98	922927.53	D29	370.46	2.00	368.45	2.01
43094	1129959.05	922996.95	C29	368.41	2.00	366.39	2.02
43096	1129966.08	923005.65	C29	373.15	2.00	371.09	2.06
43102	1129945.02	922969.09	C30	370.71	2.00	368.68	2.03
43103	1129942.06	922963.29	D30	371.93	2.00	369.90	2.03
43105	1129926.63	922974.94	C30	369.89	2.00	367.80	2.09
43111	1129955.11	923013.70	C29	372.45	2.00	370.29	2.16
43120	1129910.67	922987.00	C30	370.26	2.00	368.25	2.01
43127	1129938.99	923025.55	C29	372.59	2.00	370.47	2.12
43136	1129894.93	922999.35	C30	370.01	2.00	368.00	2.01
43143	1129922.87	923037.39	C29	373.19	2.00	371.11	2.08
43150	1129771.98	923098.60	B30	366.46	2.00	364.44	2.02
43158	1129784.80	923109.24	B30	368.07	2.00	366.00	2.07
43159	1129791.33	923105.96	B30	366.37	2.00	364.35	2.02
43163	1129801.46	923100.88	B30	366.24	2.00	364.22	2.02
43166	1129810.83	923118.59	B30	367.87	2.00	365.77	2.10
43176	1129790.63	923076.96	B30	370.24	2.00	368.22	2.02
43177	1129799.01	923071.47	B30	370.81	2.00	368.78	2.03
43184	1129826.17	923108.44	B30	370.57	2.00	368.50	2.07
43193	1129815.76	923060.50	B30	370.76	2.00	368.75	2.01
43200	1129842.29	923096.60	B30	371.25	2.00	369.23	2.02
43208	1129879.77	923012.50	C30	370.18	2.00	368.11	2.07
43214	1129906.76	923049.23	C30	373.17	2.00	371.13	2.04
43222	1129864.62	923025.65	C30	369.71	2.00	367.70	2.01
43228	1129890.64	923061.07	B30	373.06	2.00	371.05	2.01

Table 3B
Survey Verification of Final Excavation Depths
Brookview Lane to Old Liverpool Road[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Excavation (ft)
43236	1129848.54	923037.55	B30	370.08	2.00	368.07	2.01
43242	1129874.52	923072.91	B30	372.55	2.00	370.47	2.08
43250	1129832.21	923049.11	B30	370.16	2.00	368.12	2.04
43256	1129858.40	923084.75	B30	371.98	2.00	369.90	2.08
43269	1129759.92	923088.61	B31	368.08	2.00	366.05	2.03
43275	1129772.13	923064.05	B31	368.95	2.00	366.94	2.01
43281	1129744.36	923075.71	B31	368.51	2.00	366.49	2.02
43287	1129758.24	923049.64	B31	369.30	2.00	367.30	2.00
43293	1129729.50	923062.19	B31	369.20	2.00	367.12	2.08
43299	1129745.30	923034.38	B31	369.87	2.00	367.85	2.02
43305	1129715.15	923048.21	B31	369.41	2.00	367.40	2.01
43311	1129732.36	923019.11	B31	370.29	2.00	368.29	2.00
43317	1129700.89	923034.14	B31	370.07	2.00	368.05	2.02
43323	1129718.73	923004.48	B31	370.40	2.00	368.39	2.01
43329	1129687.39	923019.38	B32	371.01	2.00	369.00	2.01
43335	1129704.64	922990.26	B32	370.20	2.00	368.17	2.03
43341	1129673.89	923004.63	B32	371.01	2.00	369.00	2.01
43347	1129690.55	922976.03	B32	370.64	2.00	368.63	2.01
4 ft Excavation Areas							
1712	1130947.49	923231.67	F20	375.89	4.00	371.79	4.10
14760	1130928.98	923249.56	F20	373.71	4.00	369.66	4.05
14762	1130956.23	923239.78	F20	376.46	4.00	372.33	4.13
14764	1130962.65	923260.46	F19	376.68	4.00	372.59	4.09
14772	1131020.23	923289.19	F19	376.14	4.00	372.11	4.03
14773	1131017.13	923294.89	F19	375.74	4.00	371.63	4.11
14847	1131070.93	923387.27	E18	377.00	4.00	372.98	4.02
14848	1131065.14	923394.03	E18	377.48	4.00	373.41	4.07
14849	1131042.20	923380.65	E18	376.97	4.00	372.95	4.02
40929	1130800.18	923123.38	F21	373.08	4.00	369.03	4.05
40939	1130785.10	923110.24	F22	373.05	4.00	369.01	4.04
40949	1130770.03	923097.10	F22	373.03	4.00	369.00	4.03
40959	1130754.96	923083.95	F22	372.68	4.00	368.66	4.02
41001	1130797.11	923096.47	G22	373.61	4.00	369.51	4.10
41010	1130754.42	923069.35	G22	373.35	4.00	369.23	4.12
41259	1130672.58	923056.61	F23	374.21	4.00	370.21	4.00
41279	1130657.54	923043.51	F23	375.00	4.00	370.89	4.11
42067	1130598.88	922961.17	G24	372.01	4.00	368.00	4.01
42068	1130606.81	922953.52	G24	371.69	4.00	367.66	4.03
42076	1130628.01	922932.64	G24	371.14	4.00	367.11	4.03
42078	1130635.33	922925.48	G24	371.93	4.00	367.90	4.03
42079	1130641.14	922919.82	G24	372.62	4.00	368.61	4.01
42091	1130584.99	922946.67	G24	372.29	4.00	368.25	4.04
42092	1130592.70	922939.15	G24	371.87	4.00	367.80	4.07
42098	1130613.81	922918.55	G24	371.40	4.00	367.37	4.03
42101	1130624.30	922908.31	G24	372.69	4.00	368.62	4.07
42113	1130571.16	922932.22	G24	372.30	4.00	368.28	4.02
42114	1130578.77	922924.80	G24	371.72	4.00	367.71	4.01
42119	1130599.62	922904.45	G24	371.73	4.00	367.71	4.02
42121	1130608.31	922895.97	G24	372.83	4.00	368.81	4.02
42133	1130557.37	922917.73	G25	372.30	4.00	368.29	4.01
42134	1130564.56	922910.72	G25	371.72	4.00	367.71	4.01
42139	1130585.42	922890.36	G25	371.84	4.00	367.80	4.04
42140	1130592.17	922883.78	G24	372.86	4.00	368.84	4.02
42152	1130543.63	922903.20	G25	372.30	4.00	368.29	4.01
42154	1130550.72	922896.28	G25	371.67	4.00	367.60	4.07
42159	1130571.23	922876.27	G25	371.81	4.00	367.72	4.09
42161	1130575.93	922871.68	G25	372.48	4.00	368.47	4.01
42172	1130529.90	922888.65	G25	372.47	4.00	368.47	4.00
42174	1130537.05	922881.68	G25	371.78	4.00	367.73	4.05
42181	1130556.98	922862.22	G25	371.84	4.00	367.83	4.01
42183	1130560.41	922858.88	G25	372.41	4.00	368.38	4.03
42193	1130516.15	922874.13	G25	372.40	4.00	368.35	4.05
42195	1130523.41	922867.04	G25	371.92	4.00	367.90	4.02
42198	1130541.93	922848.97	G25	372.09	4.00	368.09	4.00
42200	1130544.96	922846.01	G25	372.29	4.00	368.26	4.03
42209	1130502.36	922859.63	G25	372.29	4.00	368.26	4.03
42211	1130509.74	922852.44	G25	371.30	4.00	367.30	4.00
42214	1130526.69	922835.90	G25	371.41	4.00	367.40	4.01
42216	1130529.65	922833.01	G25	372.21	4.00	368.2	4.01
42229	1130495.44	922838.45	G26	371.27	4.00	367.25	4.02
42232	1130511.63	922822.65	G25	371.26	4.00	367.25	4.01

Table 3B
Survey Verification of Final Excavation Depths
Brookview Lane to Old Liverpool Road[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Excavation (ft)
42233	1130514.52	922819.83	H25	372.37	4.00	368.37	4.00
42241	1130474.89	922830.55	G26	372.03	4.00	368	4.03
42243	1130479.58	922825.97	G26	371.09	4.00	367.08	4.01
42246	1130496.75	922809.22	H26	371.15	4.00	367.15	4.00
42247	1130499.57	922806.47	H26	372.13	4.00	368.12	4.01
42260	1130463.39	922823.08	G26	372.10	4.00	368.10	4.00
42262	1130457.09	922816.85	G26	372.13	4.00	368.12	4.01
42265	1130450.42	922798.95	G26	372.06	4.00	368.05	4.01
42266	1130448.56	922794.08	G26	372.16	4.00	368.15	4.01
42267	1130461.10	922781.40	H26	371.89	4.00	367.89	4.00
42269	1130484.26	922793.46	H26	371.96	4.00	367.95	4.01
42270	1130481.92	922795.74	H26	370.79	4.00	366.79	4.00
42271	1130471.72	922786.55	H26	371.73	4.00	367.73	4.00
42273	1130450.45	922793.28	G26	371.91	4.00	367.91	4.00
42290	1130400.84	922835.80	G26	372.71	4.00	368.70	4.01
42291	1130397.21	922839.19	G26	372.55	4.00	368.51	4.04
42307	1130367.45	922851.25	G27	370.79	4.00	366.71	4.08
42309	1130378.80	922841.23	G27	371.19	4.00	367.11	4.08
42310	1130346.91	922858.45	F27	369.52	4.00	365.52	4.00
42316	1130325.95	922865.27	F27	369.83	4.00	365.83	4.00
42347	1130303.53	922872.09	F27	370.50	4.00	366.50	4.00
42360	1130284.45	922878.08	F27	370.21	4.00	366.20	4.01
42370	1130265.22	922883.60	F27	369.69	4.00	365.69	4.00
42382	1130246.06	922889.30	F27	369.81	4.00	365.80	4.01
42392	1130226.87	922894.94	E28	369.75	4.00	365.75	4.00
42402	1130207.50	922899.98	E28	369.27	4.00	365.20	4.07
42422	1130188.12	922904.99	E28	368.71	4.00	364.70	4.01
42434	1130169.28	922911.81	E28	369.12	4.00	365.10	4.02
42448	1130150.54	922918.93	E28	369.38	4.00	365.25	4.13
42472	1130112.13	922930.09	E28	369.32	4.00	365.30	4.02
42486	1130092.83	922935.38	D29	369.22	4.00	365.11	4.11
42498	1130073.79	922941.52	D29	369.34	4.00	365.29	4.05
42516	1130057.95	922947.10	D29	368.81	4.00	364.80	4.01
42519	1130045.96	922951.46	D29	368.57	4.00	364.50	4.07
42531	1130034.39	922957.22	D29	368.97	4.00	364.90	4.07
45000	1130393.02	922842.75	G26	372.37	4.00	368.33	4.04
45005	1130360.41	922872.99	F27	372.66	4.00	368.65	4.01
45007	1130348.37	922884.15	F27	372.77	4.00	368.69	4.08
45010	1130364.74	922902.00	F27	372.79	4.00	368.65	4.14
45012	1130345.27	922920.17	F26	371.99	4.00	367.88	4.11
45018	1130326.37	922911.11	F27	372.11	4.00	368.03	4.08
45023	1130307.57	922902.10	F27	372.42	4.00	368.39	4.03
45024	1130303.57	922893.16	F27	372.07	4.00	368.01	4.06
45030	1130280.86	922900.25	F27	372.52	4.00	368.43	4.09
45034	1130261.77	922906.20	F27	372.93	4.00	368.89	4.04
45038	1130242.67	922912.16	E27	372.92	4.00	368.91	4.01
45042	1130223.58	922918.11	E27	372.83	4.00	368.82	4.01
45046	1130204.49	922924.07	E28	372.50	4.00	368.44	4.06
45050	1130185.40	922930.02	E28	372.11	4.00	368.09	4.02
45054	1130166.30	922935.98	E28	372.46	4.00	368.39	4.07
45058	1130147.21	922941.93	E28	372.78	4.00	368.67	4.11
45062	1130128.12	922947.89	E28	373.06	4.00	369.01	4.05
45066	1130109.02	922953.84	D28	373.27	4.00	369.17	4.10
45070	1130089.93	922959.79	D28	373.40	4.00	369.24	4.16
45074	1130070.84	922965.75	D29	373.33	4.00	369.32	4.01
45082	1130039.52	922966.10	D29	372.25	4.00	368.22	4.03

Notes:
1. Locations of survey points are provided on Figure 5B.
2. Figure coordinates correspond to coordinate system shown on Figure 5B.

Table 3C
Survey Verification of Final Excavation Depths
Old Liverpool Road to Onondaga Lake Parkway[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Final Excavation (ft)
43381	1129598.56	922889.32	E34	370.63	2.00	368.57	2.06
43388	1129580.30	922878.59	E35	369.95	2.00	367.93	2.02
43396	1129556.79	922882.66	E35	369.72	2.00	367.70	2.02
43404	1129539.59	922892.78	E35	369.74	2.00	367.71	2.03
43412	1129531.14	922908.38	E35	367.96	2.00	365.90	2.06
43419	1129521.56	922920.32	E35	366.97	2.00	364.93	2.04
43423	1129530.12	922933.74	E35	366.81	2.00	364.80	2.01
43430	1129544.37	922918.87	E35	365.94	2.00	363.93	2.01
43444	1129568.09	922920.30	E34	367.64	2.00	365.60	2.04
43452	1129514.98	922928.60	E35	365.98	2.00	363.98	2.00
43458	1129515.99	922948.77	E35	365.98	2.00	363.90	2.08
43461	1129504.58	922939.12	E35	365.75	2.00	363.70	2.05
43468	1129499.23	922960.44	D35	365.68	2.00	363.63	2.05
43482	1129481.49	922970.12	D35	366.04	2.00	364.01	2.03
43485	1129478.85	922946.55	D35	366.71	2.00	364.67	2.04
43491	1129475.74	922954.61	D35	365.53	2.00	363.50	2.03
43502	1129462.74	922977.08	D35	365.97	2.00	363.90	2.07
43506	1129454.70	922955.39	D35	368.79	2.00	366.67	2.12
43507	1129441.84	922920.72	D36	371.00	2.00	369.00	2.00
43516	1129444.12	922984.42	D35	365.79	2.00	363.74	2.05
43520	1129435.80	922961.96	D35	368.64	2.00	366.51	2.13
43521	1129423.22	922928.03	D36	371.00	2.00	369.00	2.00
43535	1129425.66	922992.12	D35	365.87	2.00	363.81	2.06
43539	1129414.93	922963.18	D36	369.12	2.00	367.11	2.01
43540	1129404.97	922936.34	D36	371.00	2.00	368.95	2.05
43549	1129407.04	922999.45	D35	365.85	2.00	363.84	2.01
43553	1129392.36	922959.86	D36	369.99	2.00	367.87	2.12
43554	1129387.36	922946.38	D36	371.00	2.00	369.00	2.00
43564	1129388.34	923006.51	C36	366.06	2.00	364.00	2.06
43570	1129369.80	922956.54	D36	370.86	2.00	368.82	2.04
43581	1129370.00	923014.60	C36	366.90	2.00	364.90	2.00
43587	1129352.22	922966.64	D36	367.26	2.00	365.25	2.01
43598	1129344.28	923006.78	C36	366.26	2.00	364.22	2.04
43614	1129325.58	922999.69	C36	366.33	2.00	364.33	2.00
43619	1129329.98	922976.00	C36	365.75	2.00	363.73	2.02
43630	1129310.02	922992.79	C36	366.13	2.00	364.10	2.03
43638	1129297.32	922983.09	C36	365.82	2.00	363.80	2.02
43643	1129314.33	922960.75	C36	365.58	2.00	363.47	2.11
43654	1129282.85	922969.20	C37	365.48	2.00	363.45	2.03
43659	1129298.91	922950.15	C37	365.39	2.00	363.33	2.06
43670	1129268.80	922954.85	C37	365.27	2.00	363.16	2.11
43678	1129282.04	922939.39	C37	365.01	2.00	363.00	2.01
43689	1129254.38	922940.92	C37	365.32	2.00	363.19	2.13
43694	1129265.61	922927.59	C37	365.45	2.00	363.39	2.06
43705	1129239.86	922927.11	C37	364.88	2.00	362.82	2.06
43710	1129251.73	922913.03	D37	365.08	2.00	363.08	2.00
43721	1129223.93	922914.98	C37	364.77	2.00	362.77	2.00
43726	1129237.51	922898.86	D37	364.68	2.00	362.55	2.13
43736	1129203.83	922907.80	C38	364.73	2.00	362.59	2.14
43740	1129222.32	922885.85	D38	364.79	2.00	362.70	2.09
43749	1129187.40	922896.27	C38	364.83	2.00	362.67	2.16
43753	1129206.80	922873.24	D38	364.99	2.00	362.92	2.07
43763	1129171.25	922884.39	C38	364.77	2.00	362.66	2.11
43767	1129190.97	922860.98	D38	365.36	2.00	363.30	2.06
43777	1129155.52	922872.01	C38	364.41	2.00	362.40	2.01
43781	1129173.56	922850.60	D38	365.06	2.00	363.06	2.00
43791	1129136.92	922863.07	C38	364.65	2.00	362.60	2.05
43795	1129156.11	922840.28	D38	365.13	2.00	363.11	2.02
43805	1129119.70	922852.45	C39	364.79	2.00	362.70	2.09
43809	1129138.19	922830.50	D39	364.96	2.00	362.90	2.06
43819	1129103.79	922840.48	C39	364.68	2.00	362.68	2.00
43823	1129121.04	922819.82	D39	364.67	2.00	362.60	2.07
43832	1129087.26	922828.86	C39	364.56	2.00	362.54	2.02
43836	1129107.17	922805.21	D39	364.56	2.00	362.47	2.09
43844	1129071.55	922816.48	C39	364.77	2.00	362.76	2.01
43848	1129092.07	922792.12	D39	364.44	2.00	362.43	2.01
43857	1129055.62	922804.34	C39	364.36	2.00	362.22	2.14
43860	1129077.55	922778.27	D39	364.46	2.00	362.45	2.01
43869	1129038.78	922793.27	C40	364.07	2.00	362.00	2.07
43872	1129060.90	922767.05	D40	364.55	2.00	362.43	2.12
43885	1129022.54	922781.52	D40	364.25	2.00	362.25	2.00

Table 3C
Survey Verification of Final Excavation Depths
Old Liverpool Road to Onondaga Lake Parkway[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Final Excavation (ft)
43901	1129007.05	922768.87	D40	364.22	2.00	362.21	2.01
43915	1128990.06	922758.00	D40	364.62	2.00	362.46	2.16
43927	1128973.61	922746.47	D40	364.46	2.00	362.35	2.11
43930	1128991.14	922725.63	D40	364.62	2.00	362.51	2.11
43939	1128955.09	922737.38	D41	364.42	2.00	362.39	2.03
43942	1128973.45	922715.60	D41	364.33	2.00	362.23	2.10
43951	1128936.22	922728.77	D41	364.45	2.00	362.45	2.00
43963	1128917.75	922719.68	D41	364.44	2.00	362.43	2.01
43975	1128901.90	922707.43	D41	364.22	2.00	362.20	2.02
43980	1128921.66	922683.93	D41	364.72	2.00	362.57	2.15
44069	1128882.16	922699.82	D41	364.49	2.00	362.48	2.01
44081	1128866.74	922687.08	D42	364.77	2.00	362.72	2.05
44094	1128859.00	922675.91	D42	363.39	2.00	361.29	2.10
44097	1128885.30	922661.78	D42	364.23	2.00	362.21	2.02
44108	1128846.41	922659.80	D42	363.78	2.00	361.71	2.07
44112	1128885.46	922640.91	D42	364.36	2.00	362.27	2.09
44123	1128837.00	922642.15	D42	364.13	2.00	362.13	2.00
44126	1128880.64	922621.05	D42	364.51	2.00	362.50	2.01
44141	1128832.81	922621.92	D42	363.76	2.00	361.72	2.04
44147	1128881.10	922598.74	D42	364.07	2.00	362.07	2.00
44154	1128818.63	922606.60	D42	368.97	2.00	366.88	2.09
44155	1128829.57	922601.22	D42	363.97	2.00	361.93	2.04
44158	1128879.26	922577.51	E42	363.50	2.00	361.50	2.00
44168	1128816.45	922585.39	D43	368.63	2.00	366.55	2.08
44169	1128830.90	922578.35	D43	363.81	2.00	361.73	2.08
44177	1128877.48	922556.26	E42	363.50	2.00	361.49	2.01
44256	1128878.25	922447.79	F43	364.43	2.00	362.41	2.02
44259	1128865.34	922454.60	E43	364.14	2.00	362.12	2.02
44261	1128851.88	922456.90	E43	363.53	2.00	361.52	2.01
44266	1128836.51	922455.95	E43	363.69	2.00	361.55	2.14
44271	1128876.35	922435.95	F43	363.12	2.00	361.11	2.01
44274	1128833.96	922436.52	E43	363.21	2.00	361.17	2.04
44283	1128873.14	922415.95	F43	363.99	2.00	361.91	2.08
44287	1128841.72	922415.96	F43	364.00	2.00	361.93	2.07
44295	1128875.37	922395.95	F43	364.16	2.00	362.14	2.02
44300	1128844.27	922395.95	F43	365.97	2.00	363.86	2.11
44307	1128878.89	922375.95	F43	364.87	2.00	362.81	2.06
44312	1128846.79	922375.95	F43	365.96	2.00	363.91	2.05
44320	1128877.38	922355.95	F43	364.93	2.00	362.90	2.03
44325	1128846.53	922355.95	F44	365.80	2.00	363.64	2.16
44332	1128870.09	922335.95	G43	364.41	2.00	362.23	2.18
44337	1128843.18	922335.95	F44	365.80	2.00	363.76	2.04
44343	1128862.80	922315.95	G44	364.59	2.00	362.37	2.22
44348	1128837.29	922315.95	G44	365.46	2.00	363.45	2.01
44360	1128831.41	922295.95	G44	365.59	2.00	363.45	2.14
44363	1129018.42	922400.70	G42	365.11	2.00	363.07	2.04
44365	1129005.37	922397.98	G42	366.71	2.00	364.40	2.31
44369	1129022.84	922377.43	G42	365.04	2.00	363.00	2.04
44375	1128990.06	922389.07	G42	365.50	2.00	363.44	2.06
44379	1129006.77	922365.52	G42	364.68	2.00	362.67	2.01
44386	1128973.60	922377.71	G42	364.55	2.00	362.54	2.01
44391	1128990.70	922353.61	G42	366.20	2.00	364.17	2.03
44398	1128959.04	922363.67	G43	364.00	2.00	362.00	2.00
44403	1128974.63	922341.70	G42	367.09	2.00	364.98	2.11
44410	1128944.47	922349.63	G43	364.00	2.00	361.89	2.11
44413	1128958.56	922329.79	G43	366.67	2.00	364.38	2.29
44418	1128929.45	922336.25	G43	364.00	2.00	361.89	2.11
44421	1128942.39	922318.02	G43	366.36	2.00	364.25	2.11
44426	1128914.18	922323.20	G43	364.02	2.00	362.01	2.01
44429	1128926.15	922306.34	G43	366.28	2.00	364.04	2.24
44434	1128898.89	922310.20	G43	364.22	2.00	361.95	2.27
44437	1128909.91	922294.66	G43	366.47	2.00	364.16	2.31
44445	1128884.18	922296.37	G43	363.86	2.00	361.64	2.22
44448	1128890.96	922286.81	G43	366.37	2.00	364.06	2.31
44454	1128860.44	922294.89	G44	365.04	2.00	363.03	2.01
44455	1128864.91	922288.96	G44	363.85	2.00	361.54	2.31
44459	1128874.67	922275.21	G44	366.13	2.00	364.08	2.05
44465	1128858.67	922263.21	G44	366.18	2.00	364.17	2.01
44475	1128841.09	922253.40	G44	364.21	2.00	362.19	2.02
44479	1128825.40	922275.52	G44	364.94	2.00	362.91	2.03
44486	1128828.79	922240.43	G44	364.95	2.00	362.77	2.18

Table 3C
Survey Verification of Final Excavation Depths
Old Liverpool Road to Onondaga Lake Parkway[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Required Excavation Depth (ft)	Elevation at Final Cut (ft)	Depth of Final Excavation (ft)
44490	1128801.24	922249.73	G44	365.57	2.00	363.59	1.98
44494	1128811.21	922260.95	G44	364.86	2.00	362.81	2.05

Notes:
1. Locations of survey points are provided on Figure 5C.
2. Figure coordinates correspond to coordinate system shown on Figure 5C.

Table 4A
NYS Thruway to Brookview Lane[1]
Survey Verification of Final Fill Thicknesses
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Elevation at Final Cut (ft)	Required Excavation Depth (ft)[3]	Elevation at Final Grade (ft)	Total Soil Cover Thickness (ft)[3]
2ft Excavation Areas								
10426	1132240.32	923820.86	E4	384.48	382.01	2.00	385.02	3.01
10456	1132232.38	923851.45	E4	384.10	382.05	2.00	385.00	2.95
10599	1132306.92	924026.93	D3	389.64	387.16	2.00	389.64	2.48
10606	1132284.70	924038.41	C3	387.50	384.72	2.00	387.50	2.78
10628	1132307.37	924077.01	C2	387.42	385.07	2.00	387.42	2.35
10632	1132341.79	924074.74	C2	391.29	386.59	2.00	391.28	4.69
10643	1132368.92	924098.54	C2	390.74	387.42	2.00	390.75	3.33
10658	1132339.28	924104.97	C2	387.45	385.38	2.00	387.45	2.07
10668	1132419.35	924106.78	C1	390.13	387.42	2.00	390.13	2.71
11527	1132298.52	924119.23	C2	NA	383.34	2.00	385.52	2.18
11834	1132333.89	924255.09	B1	388.58	386.34	2.00	389.01	2.67
11837	1132374.98	924163.38	C1	387.05	384.99	2.00	388.00	3.01
11870	1132312.84	924231.49	B2	387.98	385.10	2.00	389.00	3.90
12098	1132259.62	924103.47	C3	388.40	385.04	2.00	389.00	3.96
12118	1132234.45	924063.76	C3	387.46	384.39	2.00	388.00	3.61
12133	1132232.59	924009.69	C3	386.23	383.19	2.00	386.00	2.81
12146	1132202.30	924011.30	C4	388.25	386.13	2.00	389.02	2.89
12151	1132214.82	923985.12	C4	386.07	383.73	2.00	386.02	2.29
12160	1132201.12	923970.54	D4	385.49	383.48	2.00	386.00	2.52
12164	1132181.36	923972.77	C4	388.15	385.82	2.00	388.01	2.19
12168	1132234.75	923644.76	F5	384.99	382.95	2.00	384.99	2.04
12169	1132228.85	923645.82	F5	383.61	381.55	2.00	383.61	2.06
12241	1132154.09	923576.00	G6	381.16	378.19	2.00	381.16	2.97
12250	1132143.46	923566.68	G6	381.33	378.12	2.00	381.33	3.21
12259	1132152.78	923556.04	G6	381.00	378.12	2.00	381.01	2.89
12288	1132165.71	923496.07	G6	381.45	379.06	2.00	382.01	2.95
12295	1132127.84	923530.59	G7	380.91	377.50	2.00	380.90	3.40
12302	1132131.01	923508.46	G7	380.67	378.17	2.00	380.51	2.34
12332	1132323.99	924191.97	B2	NA	383.07	2.00	385.52	2.45
12514	1132187.08	923904.54	D4	385.74	383.35	2.00	386.00	2.65
12632	1132088.29	923356.17	H8	NA	377.97	2.00	380.50	2.52
12689	1131925.84	923536.25	F8	NA	377.31	2.00	379.50	2.19
12728	1132119.06	923448.72	H7	380.74	377.99	2.00	380.53	2.54
12755	1132105.61	923415.41	H7	380.67	378.15	2.00	380.52	2.37
12773	1132051.77	923475.76	G8	381.14	377.67	2.00	383.00	5.33
12784	1132120.79	923340.64	H8	380.54	378.32	2.00	381.50	3.18
12794	1132029.60	923472.67	G8	381.45	379.22	2.00	382.01	2.79
12808	1132095.51	923359.64	H8	379.96	377.88	2.00	380.50	2.62
12815	1132081.60	923362.19	H8	379.84	377.68	2.00	380.50	2.82
12847	1132053.78	923367.28	H8	379.43	377.34	2.00	383.02	5.68
12916	1132005.64	923478.65	G8	380.67	378.55	2.00	380.85	2.30
13019	1131909.67	923538.18	F8	378.42	376.33	2.00	383.00	6.67
13027	1131865.12	923512.41	F9	377.36	375.33	2.00	378.01	2.68
13035	1131889.85	923560.70	E9	375.60	373.59	2.00	375.60	2.01
13054	1131847.46	923563.42	E9	378.43	376.41	2.00	378.44	2.03
13147	1131903.49	923569.17	E8	379.03	377.00	2.00	379.00	2.00
13149	1131923.12	923574.42	F8	379.32	377.18	2.00	379.32	2.14
13151	1131944.49	923575.09	F8	379.95	377.94	2.00	379.97	2.03
13152	1131949.15	923566.52	F8	381.26	379.13	2.00	381.27	2.14
13154	1131956.40	923557.08	F8	381.50	379.44	2.00	381.51	2.07
13157	1131959.83	923572.71	F8	380.45	378.44	2.00	380.44	2.00
13173	1131949.91	923602.02	E8	378.48	375.83	2.00	378.48	2.65
13174	1131945.02	923610.80	E8	380.23	378.18	2.00	380.23	2.05
13176	1131939.51	923602.46	E8	379.93	377.69	2.00	379.93	2.24
13185	1131909.77	923592.86	E8	379.93	376.70	2.00	379.93	3.23
13187	1131909.53	923612.72	E8	380.58	378.12	2.00	380.59	2.47
13196	1131877.64	923613.02	E8	379.08	377.07	2.00	379.07	2.00
13201	1131869.60	923593.21	E9	379.04	376.73	2.00	379.05	2.32
13204	1131873.25	923625.93	E8	380.55	378.43	2.00	380.55	2.12
13206	1131859.56	923621.52	E8	381.01	379.00	2.00	381.01	2.01
13210	1131849.57	923596.70	E9	379.36	377.28	2.00	379.37	2.09
13213	1131839.48	923614.63	E9	380.77	378.68	2.00	380.77	2.08
13220	1131819.49	923607.86	E9	380.45	378.44	2.00	380.45	2.01
13226	1131799.53	923601.08	E9	380.11	378.10	2.00	380.11	2.01
13231	1131779.51	923598.24	E9	379.75	377.75	2.00	379.75	2.00
13232	1131779.63	923587.99	E9	378.98	376.78	2.00	378.97	2.19
13236	1131759.61	923600.25	D9	379.54	377.24	2.00	379.55	2.31
13237	1131759.49	923589.71	E10	378.57	376.42	2.00	378.56	2.14
13238	1131721.93	923610.89	D10	378.42	376.30	2.00	378.42	2.12
13240	1131720.35	923590.68	D10	377.16	375.12	2.00	377.17	2.05
13249	1131690.77	923598.85	D10	377.02	374.86	2.00	377.02	2.16

Table 4A
NYS Thruway to Brookview Lane[1]
Survey Verification of Final Fill Thicknesses
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Elevation at Final Cut (ft)	Required Excavation Depth (ft)[3]	Elevation at Final Grade (ft)	Total Soil Cover Thickness (ft)[3]
13251	1131692.63	923618.88	D10	378.73	376.46	2.00	378.75	2.29
13253	1131681.67	923609.32	D10	377.47	375.42	2.00	377.47	2.05
13259	1131672.46	923620.14	D10	379.00	376.89	2.00	379.00	2.11
13261	1131661.69	923610.79	D10	377.14	375.13	2.00	377.14	2.01
13262	1131660.77	923600.76	D10	376.45	374.39	2.00	376.47	2.08
13267	1131652.5	923621.3077	D10	378.26	376.54	2.00	378.79	2.25
13273	1131630.84	923602.467	D11	376.47	374.66	2.00	376.99	2.33
13275	1131632.61	923622.4207	D10	378.01	376.44	2.00	378.55	2.11
13281	1131603.59	923587.1017	D11	375.22	373.70	2.00	375.73	2.03
13282	1131606.4	923598.8537	D11	376.62	374.36	2.00	376.62	2.26
13284	1131612.4	923623.5817	D11	379.56	377.36	2.00	379.55	2.19
13285	1131395.30	923527.69	C13	377.40	374.45	2.00	377.39	2.94
13289	1131367.16	923517.05	C13	377.21	374.46	2.00	377.21	2.75
13290	1131370.48	923506.59	C13	374.86	372.57	2.00	374.88	2.31
13293	1131348.50	923509.84	C13	376.78	374.54	2.00	376.76	2.22
13298	1131323.91	923515.41	C14	378.14	376.11	2.00	378.14	2.03
13299	1131318.95	923524.14	C14	378.54	376.51	2.00	378.53	2.02
13302	1131320.07	923501.85	C14	377.30	375.18	2.00	377.30	2.12
13304	1131328.43	923486.57	C14	374.92	372.88	2.00	374.93	2.05
13306	1131306.27	923505.67	C14	377.63	375.54	2.00	377.65	2.11
13307	1131301.37	923514.59	C14	378.08	376.05	2.00	378.08	2.03
13316	1131288.66	923496.32	C14	377.25	375.22	2.00	377.25	2.03
13317	1131283.92	923504.80	C14	377.65	375.36	2.00	377.65	2.29
13321	1131281.40	923468.62	C14	374.61	372.60	2.00	374.64	2.04
13323	1131271.23	923486.57	C14	376.92	374.89	2.00	376.92	2.03
13324	1131266.35	923495.36	C14	377.54	375.53	2.00	377.54	2.01
13330	1131253.96	923488.52	C14	377.35	375.33	2.00	377.36	2.03
13331	1131240.61	923494.77	C14	378.59	376.59	2.00	378.59	2.00
13333	1131251.50	923478.07	C14	376.62	374.57	2.00	376.63	2.06
13339	1131241.78	923456.35	C15	374.81	372.79	2.00	374.80	2.01
13340	1131234.26	923468.17	C15	376.24	374.21	2.00	376.23	2.02
13341	1131228.93	923476.34	C15	376.58	374.57	2.00	376.57	2.00
13342	1131223.45	923484.87	C15	376.94	374.91	2.00	376.94	2.03
13347	1131206.04	923474.83	C15	376.76	374.76	2.00	376.76	2.00
13348	1131211.59	923466.21	C15	376.24	374.22	2.00	376.23	2.01
13353	1131213.71	923444.71	C15	374.25	372.22	2.00	374.25	2.03
13354	1131188.85	923464.80	C15	377.53	375.50	2.00	377.52	2.02
13356	1131171.57	923454.60	C15	377.40	375.39	2.00	377.40	2.01
13357	1131164.87	923450.77	C15	377.04	375.00	2.00	377.04	2.04
13358	1131194.17	923456.35	C15	375.88	373.87	2.00	375.87	2.00
13361	1131193.63	923438.85	C15	371.39	369.33	2.00	371.41	2.08
13364	1131176.94	923446.31	C15	376.05	374.01	2.00	376.04	2.03
13367	1131171.47	923443.14	C15	376.22	374.22	2.00	376.22	2.00
13496	1132225.30	923690.98	F5	NA	379.14	2.00	384.50	5.36
13519	1131807.7	923555.1632	E9	377.53	375.50	2.00	377.52	2.02
13521	1131817.5	923537.1568	E9	377.25	375.12	2.00	377.26	2.14
13545	1131774.78	923552.90	E10	377.49	375.45	2.00	377.50	2.05
13547	1131761.47	923556.43	E10	377.44	375.17	2.00	377.43	2.26
13572	1131698.87	923560.15	E10	376.91	374.33	2.00	376.92	2.59
13579	1131668.94	923563.28	D10	376.67	374.18	2.00	376.66	2.48
13581	1131668.51	923547.04	D11	378.55	376.42	2.00	378.55	2.13
13604	1131638.53	923548.0541	D11	377.92	375.88	2.00	377.92	2.04
13606	1131639.06	923568.0546	D11	375.97	373.93	2.00	375.99	2.06
13610	1131619.96	923547.6175	D11	377.59	375.57	2.00	377.59	2.02
13612	1131619.05	923567.5969	D11	375.73	373.69	2.00	375.73	2.04
13616	1131600.91	923546.3211	D11	377.02	375.00	2.00	377.03	2.03
13618	1131599.1	923566.2394	D11	375.63	373.49	2.00	375.63	2.14
13622	1131581.93	923544.1682	D11	377.13	375.11	2.00	377.11	2.00
13624	1131579.23	923563.9849	D11	375.78	373.64	2.00	375.77	2.13
13628	1131563.07	923541.1631	D11	377.09	375.04	2.00	377.09	2.05
13630	1131559.48	923560.8381	D11	375.95	373.91	2.00	375.95	2.04
13729	1131549.66	923558.93	D11	375.81	373.77	2.00	375.83	2.06
13738	1131525.81	923532.61	D12	376.95	374.33	2.00	376.95	2.62
13740	1131520.43	923551.87	D12	375.43	372.62	2.00	375.43	2.81
13747	1131491.82	923542.88	D12	375.24	373.03	2.00	375.24	2.21
13749	1131498.46	923524.01	D12	377.52	375.48	2.00	377.51	2.03
13756	1131469.56	923513.15	D12	378.06	373.69	2.00	378.09	4.40
13758	1131462.44	923531.84	D12	375.22	371.71	2.00	375.24	3.53
13765	1131434.89	923519.90	D13	375.42	372.34	2.00	375.42	3.08
13767	1131441.53	923502.47	D13	377.01	373.95	2.00	377.02	3.07
13774	1131413.46	923491.74	D13	375.87	372.97	2.00	375.88	2.91
13776	1131407.08	923508.62	D13	374.86	372.68	2.00	374.86	2.18
13783	1131379.20	923497.53	C13	375.01	372.08	2.00	375.00	2.92

Table 4A
NYS Thruway to Brookview Lane[1]
Survey Verification of Final Fill Thicknesses
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Elevation at Final Cut (ft)	Required Excavation Depth (ft)[3]	Elevation at Final Grade (ft)	Total Soil Cover Thickness (ft)[3]
13785	1131385.30	923481.52	D13	375.80	373.16	2.00	375.80	2.64
13786	1131388.66	923471.62	D13	377.00	374.93	2.00	377.00	2.07
13788	1131394.43	923456.44	D13	378.83	376.81	2.00	378.83	2.02
13790	1131383.23	923458.85	D13	377.90	375.88	2.00	377.90	2.02
13793	1131366.76	923473.98	D13	376.45	374.33	2.00	376.46	2.13
13794	1131370.33	923464.64	D14	377.14	375.12	2.00	377.14	2.02
13796	1131375.94	923449.91	D14	378.56	376.54	2.00	378.56	2.02
13798	1131364.55	923451.73	D14	377.92	375.89	2.00	377.92	2.03
13803	1131345.86	923444.61	D14	377.80	375.67	2.00	377.80	2.13
13805	1131335.95	923435.81	D14	378.24	376.22	2.00	378.24	2.02
13807	1131330.69	923449.53	D14	376.93	374.83	2.00	376.93	2.10
13808	1131327.14	923458.89	D14	376.13	373.37	2.00	376.13	2.76
13817	1131348.08	923466.87	D14	376.34	374.18	2.00	376.35	2.17
13818	1131351.51	923457.85	D14	376.91	374.90	2.00	376.91	2.01
13820	1131357.07	923443.26	D14	378.45	376.33	2.00	378.45	2.12
13828	1131310.58	923452.94	D14	375.64	373.55	2.00	375.65	2.10
13839	1131282.66	923441.95	C14	375.77	373.45	2.00	375.78	2.33
13846	1131254.63	923431.28	C15	375.90	373.84	2.00	375.91	2.07
13853	1131226.59	923420.60	C15	376.97	374.86	2.00	376.99	2.13
13862	1131190.01	923421.86	C15	375.09	372.91	2.00	375.10	2.19
13864	1131200.01	923410.46	C15	376.49	374.50	2.00	376.51	2.01
13923	1132057.22	923480.22	G7	NA	378.61	2.00	383.02	4.41
13928	1131986.18	923463.46	G8	NA	374.03	2.00	380.51	6.48
17087	1132255.80	923729.21	F5	387.76	385.75	2.00	387.76	2.01
17088	1132248.55	923731.98	F5	386.07	384.02	2.00	386.07	2.05
17094	1132251.14	923706.24	F5	387.71	385.69	2.00	387.71	2.02
17095	1132242.11	923709.31	F5	385.33	383.27	2.00	385.33	2.06
17100	1132247.40	923686.99	F5	387.37	385.33	2.00	387.37	2.04
17101	1132237.53	923689.62	F5	386.18	384.12	2.00	386.18	2.06
17137	1132231.07	923664.01	F5	384.31	382.23	2.00	384.31	2.08
17138	1132239.94	923662.48	F5	386.62	384.61	2.00	386.62	2.01
17385	924184.38	1132351.35	B1	NA	382.94	2.00	385.62	2.68
17387	924201.71	1132341.42	B1	NA	382.71	2.00	385.52	2.81
17388	924210.417	1132336.584	B1	NA	382.80	2.00	385.53	2.73
17390	924214.157	1132322.85	B2	NA	383.02	2.00	385.61	2.60
17396	924188.24	1132337.78	B2	NA	382.83	2.00	385.53	2.70
17397	924174.44	1132333.99	B2	NA	383.38	2.00	385.57	2.19
17399	924191.97	1132323.99	B2	NA	383.07	2.00	385.52	2.45
17400	924200.538	1132319.081	B2	NA	383.43	2.00	385.52	2.09
17403	924178.16	1132320.37	B2	NA	383.33	2.00	385.56	2.23
17405	924160.79	1132330.41	C2	NA	383.44	2.00	385.60	2.16
17442	924243.12	1132334.18	B1	NA	385.94	2.00	388.05	2.11
17444	924243.84	1132321.70	B1	NA	385.80	2.00	388.04	2.24
17459	924164.56	1132316.69	B2	NA	383.46	2.00	385.58	2.12
17460	924173.14	1132311.62	B2	NA	383.49	2.00	385.58	2.09
17463	924150.82	1132313.02	C2	NA	383.26	2.00	385.55	2.29
17465	924137.36	1132309.35	C2	NA	383.19	2.00	385.57	2.37
17470	924146.94	1132326.48	C2	NA	383.41	2.00	385.56	2.15
17471	924170.80	1132351.66	C1	NA	383.33	2.00	388.02	4.70
17472	924178.98	1132355.78	C1	NA	383.47	2.00	388.04	4.57
17477	924194.08	1132306.34	B2	NA	383.37	2.00	385.58	2.21
17480	924162.70	1132302.85	B2	NA	383.33	2.00	385.51	2.18
17481	924126.95	1132293.78	C2	NA	383.48	2.00	385.57	2.09
17482	924145.56	1132300.08	C2	NA	383.39	2.00	385.55	2.16
3ft Excavation Areas								
11055	1132209.83	923874.48	D4	383.90	380.89	3.00	384.52	3.63
4ft Excavation Areas								
11186	1132092.07	923465.92	G7	380.50	376.11	4.00	380.50	4.39
11198	1132080.52	923441.54	G7	380.47	376.08	4.00	380.51	4.43
11990	1132205.19	923743.00	E5	382.88	378.24	4.00	384.51	6.27
12671	1132089.57	923441.55	G7	NA	375.94	4.00	380.51	4.57
13493	1132185.64	923707.17	F5	NA	377.9	4.00	384.5	6.60
15706	1132194.73	923689.34	F5	382.07	377.07	4.00	384.50	7.43
5ft Excavation Areas								
10523	1132217.02	923922.61	D4	385.81	380.47	5.00	387.10	6.63
10535	1132217.68	923932.59	D4	386.16	380.87	5.00	385.00	4.13
10537	1132212.39	923942.96	D4	386.21	380.36	5.00	384.50	4.14
11032	1132236.23	923961.99	D4	385.99	380.72	5.00	384.50	3.78
11132	1132149.15	923590.57	F6	381.53	376.52	5.00	380.52	4.00
11162	1132110.93	923513.00	G7	380.79	375.34	5.00	380.50	5.16
12256	1132122.85	923558.02	G7	381.32	375.66	5.00	381.32	5.66
12630	1132045.15	923394.82	H8	NA	373.91	6.00	380.50	6.59
12660	1132114.57	923541.55	G7	NA	375.02	5.00	380.51	5.49

Table 4A
NYS Thruway to Brookview Lane[1]
Survey Verification of Final Fill Thicknesses
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Elevation at Final Cut (ft)	Required Excavation Depth (ft)[3]	Elevation at Final Grade (ft)	Total Soil Cover Thickness (ft)[3]
12799	1132044.36	923433.70	G8	380.09	375.02	5.00	380.51	5.49
12828	1132022.22	923430.56	G8	379.74	374.65	5.00	380.52	5.87
12833	1132050.64	923389.42	H8	379.62	374.57	5.00	380.50	5.93
6ft Excavation Areas								
13528	1131814.69	923521.3958	E9	376.50	370.33	6.00	376.50	6.17
13538	1131806.08	923513.8439	E9	379.08	373.01	6.00	379.08	6.07
13543	1131784.58	923534.89	E10	377.35	371.33	6.00	377.35	6.02
13551	1131778.91	923524.39	E10	381.29	374.03	6.00	381.30	7.27
13558	1131751.89	923532.83	E10	380.47	372.94	6.00	380.47	7.53
13561	1131728.68	923557.09	E10	377.15	371.09	6.00	377.18	6.09
13563	1131728.31	923538.59	E10	379.74	373.71	6.00	379.74	6.03
13570	1131698.44	923543.89	E10	379.12	372.62	6.00	379.11	6.49

Notes:
1. Locations of survey points are provided on Figure 6A.
2. Figure coordinates correspond to coordinate system shown on Figure 6A.
3. In some locations of the wooded/wetland areas, grade was changed from pre-existing during restoration to accommodate wetland design. Because of this, total soil cover thickness may be less or greater than the required excavation depths.
4. NA=Not available.

Table 4B
Survey Verification of Final Fill Thicknesses
Brookview Lane to Old Liverpool Road[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Elevation at Final Cut (ft)	Required Total Restoration Thickness (ft)	Elevation at Final Grade (ft)	Total Soil Cover Thickness (ft)
2ft Excavation Areas								
1702	1131145.70	923392.84	F17	375.22	373.11	2.00	375.22	2.11
1703	1131148.14	923387.44	F17	376.23	374.22	2.00	376.23	2.01
1705	1131136.25	923405.58	F17	374.89	372.83	2.00	374.89	2.06
1707	1131124.80	923413.19	F17	376.28	374.27	2.00	376.28	2.01
4364	1130680.10	923021.47	G23	372.03	370.01	2.00	372.02	2.01
4366	1130666.19	923008.20	G23	371.58	369.50	2.00	371.59	2.09
4372	1130652.41	922992.68	G23	371.53	369.52	2.00	371.53	2.01
4376	1130635.64	922975.58	G24	371.52	369.50	2.00	371.53	2.03
4380	1130618.54	922960.22	G24	371.60	369.54	2.00	371.60	2.06
4385	1130678.17	922986.37	G23	371.66	369.67	2.00	371.65	1.98
4389	1130658.89	922964.85	G23	370.98	368.93	2.00	370.99	2.06
4393	1130635.41	922943.53	G24	370.64	368.57	2.00	370.65	2.08
4458	1130945.96	923307.18	F19	375.29	373.28	2.00	375.30	2.02
4464	1130963.26	923317.21	F19	375.09	373.10	2.00	375.10	2.00
4470	1130978.94	923326.74	F19	374.81	372.80	2.00	374.82	2.02
4476	1130997.10	923337.85	F19	374.66	372.59	2.00	374.65	2.06
4482	1131011.02	923346.41	F19	374.75	372.66	2.00	374.75	2.09
4677	1131063.56	923335.21	F18	375.85	373.80	2.00	375.84	2.04
4681	1131043.84	923324.47	F18	374.86	372.80	2.00	374.87	2.07
4686	1131075.13	923381.29	F18	376.48	374.36	2.00	376.49	2.13
4688	1131101.19	923403.63	E17	377.50	375.49	2.00	377.50	2.01
14763	1130968.17	923250.75	F19	377.12	375.11	2.00	377.12	2.01
14766	1130971.60	923264.93	F19	376.83	374.81	2.00	376.83	2.02
14768	1130989.48	923273.88	F19	376.81	374.80	2.00	376.81	2.01
14770	1131007.37	923282.83	F19	376.52	374.50	2.00	376.52	2.02
14780	1131025.01	923280.41	F19	376.70	374.69	2.00	376.70	2.01
14781	1131036.83	923291.13	F19	375.89	373.88	2.00	375.89	2.01
14810	1130989.91	923348.50	E19	376.05	374.01	2.00	376.05	2.04
14850	1131050.97	923369.03	F18	375.71	373.68	2.00	375.71	2.03
14851	1131017.86	923366.46	E18	375.84	373.77	2.00	375.86	2.09
14852	1131025.48	923353.74	F18	374.88	372.76	2.00	374.89	2.13
40869	1130890.62	923202.25	F20	373.53	371.46	2.00	373.53	2.07
40873	1130864.33	923232.40	F20	374.95	372.92	2.00	374.95	2.03
40874	1130883.09	923195.68	F20	372.54	370.50	2.00	372.54	2.04
40878	1130856.80	923225.83	F20	375.09	373.06	2.00	375.10	2.04
40884	1130868.01	923182.53	F21	374.17	372.11	2.00	374.16	2.05
40899	1130845.40	923162.82	F21	373.24	371.22	2.00	373.24	2.02
40909	1130830.33	923149.67	F21	373.63	371.56	2.00	373.64	2.08
40923	1130788.96	923166.68	F21	374.71	372.70	2.00	374.73	2.03
40933	1130773.89	923153.53	F22	374.92	372.88	2.00	374.92	2.04
40943	1130758.82	923140.39	F22	375.38	373.32	2.00	375.40	2.08
40953	1130743.74	923127.24	F22	375.17	373.11	2.00	375.20	2.09
40968	1130721.13	923107.53	F22	374.40	372.33	2.00	374.39	2.06
40969	1130877.16	923169.00	F21	376.27	374.26	2.00	376.27	2.01
40971	1130867.05	923168.42	F21	375.59	373.52	2.00	375.59	2.07
40973	1130865.00	923155.56	F21	375.67	373.66	2.00	375.67	2.01
40975	1130851.97	923155.28	F21	375.16	373.11	2.00	375.16	2.05
40978	1130869.70	923144.20	G21	375.92	373.91	2.00	375.92	2.01
40979	1130875.66	923138.80	G21	376.11	374.05	2.00	376.11	2.06
40983	1130857.58	923133.63	G21	375.47	373.44	2.00	375.47	2.03
40986	1130836.90	923142.14	F21	374.52	372.51	2.00	374.52	2.01
40987	1130843.47	923134.60	F21	374.80	372.69	2.00	374.80	2.11
40988	1130851.81	923125.04	G21	375.05	373.01	2.00	375.05	2.04
40992	1130834.15	923114.85	G21	374.00	371.96	2.00	373.99	2.03
40993	1130828.40	923121.45	G21	374.00	371.97	2.00	374.00	2.03
41012	1130775.82	923181.75	F21	377.10	375.07	2.00	377.10	2.03
41013	1130769.25	923189.29	F21	377.46	375.44	2.00	377.46	2.02
41014	1130761.99	923197.61	F21	377.74	375.63	2.00	377.74	2.11
41018	1130789.93	923180.79	F21	376.37	374.33	2.00	376.37	2.04
41020	1130790.89	923194.89	F21	376.97	374.91	2.00	376.97	2.06
41022	1130780.27	923207.08	F21	377.07	375.01	2.00	377.07	2.06
41026	1130805.00	923193.93	F21	377.00	375.00	2.00	377.00	2.00
41030	1130800.81	923217.73	F21	377.02	375.01	2.00	377.02	2.01
41031	1130807.92	923209.74	F21	377.02	375.01	2.00	377.02	2.01
41033	1130817.01	923199.53	F21	377.00	374.87	2.00	377.00	2.13
41035	1130829.85	923211.08	F21	377.00	374.91	2.00	377.00	2.09

Table 4B
Survey Verification of Final Fill Thicknesses
Brookview Lane to Old Liverpool Road[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Elevation at Final Cut (ft)	Required Total Restoration Thickness (ft)	Elevation at Final Grade (ft)	Total Soil Cover Thickness (ft)
41037	1130845.36	923225.03	F21	376.00	373.97	2.00	376.00	2.03
41228	1130763.45	922976.69	G23	373.99	371.77	2.00	373.99	2.22
41229	1130757.17	922983.47	G23	373.99	371.75	2.00	373.99	2.24
41230	1130750.37	922990.80	G23	373.99	371.77	2.00	373.99	2.22
41231	1130743.57	922998.14	G23	373.82	371.78	2.00	373.82	2.04
41236	1130753.15	922964.47	G23	374.30	372.29	2.00	374.30	2.01
41237	1130745.13	922972.95	G23	374.13	372.11	2.00	374.13	2.02
41238	1130738.25	922980.23	G23	374.00	371.94	2.00	374.00	2.06
41245	1130740.17	922949.08	H23	374.88	372.87	2.00	374.88	2.01
41247	1130730.05	922959.79	G23	374.45	372.19	2.00	374.45	2.26
41248	1130723.18	922967.06	G23	374.10	372.09	2.00	374.10	2.01
41280	1130709.56	922968.64	G23	373.57	371.55	2.00	373.57	2.02
41300	1130694.49	922955.49	G23	373.01	371.00	2.00	373.01	2.01
41318	1130679.41	922942.35	G23	372.73	370.69	2.00	372.73	2.04
41363	1130647.01	922914.09	G24	373.02	371.01	2.00	373.01	2.00
41617	1130697.90	923036.49	G23	369.79	367.77	2.00	369.80	2.03
41618	1130691.63	923039.63	G23	372.68	370.65	2.00	372.68	2.03
42093	1130593.17	922938.69	G24	371.41	369.40	2.00	371.42	2.02
42322	1130366.21	922819.98	G27	369.70	367.70	2.00	369.70	2.00
42323	1130360.46	922820.58	G27	370.39	368.34	2.00	370.40	2.06
42324	1130353.33	922825.69	G27	369.92	367.91	2.00	369.93	2.02
42333	1130343.22	922830.15	G27	371.13	369.11	2.00	371.13	2.02
42339	1130324.78	922838.29	F27	368.88	366.80	2.00	368.89	2.09
42343	1130305.82	922844.70	F27	367.69	365.66	2.00	367.71	2.05
42353	1130291.92	922844.75	F27	369.58	367.58	2.00	369.58	2.00
42364	1130266.09	922851.44	F27	369.60	367.59	2.00	369.59	2.00
42374	1130247.07	922857.65	F28	369.05	367.03	2.00	369.07	2.04
42386	1130227.82	922863.07	F28	369.15	367.11	2.00	369.16	2.05
42396	1130208.73	922869.06	F28	369.73	367.70	2.00	369.73	2.03
42415	1130189.51	922874.57	E28	370.08	368.08	2.00	370.10	2.02
42427	1130170.29	922880.13	E28	370.21	368.20	2.00	370.22	2.02
42439	1130151.19	922886.07	E28	370.31	368.30	2.00	370.31	2.01
42453	1130132.10	922892.02	E28	370.47	368.44	2.00	370.49	2.05
42465	1130113.00	922897.95	E29	370.56	368.39	2.00	370.56	2.17
42479	1130093.85	922903.73	E29	370.70	368.50	2.00	370.71	2.21
42491	1130074.70	922909.50	E29	370.96	368.66	2.00	370.96	2.30
42503	1130055.30	922914.44	D29	371.16	369.04	2.00	371.16	2.12
42523	1130036.14	922918.44	D29	371.36	369.33	2.00	371.34	2.01
42524	1130023.26	922919.62	D29	371.05	369.01	2.00	371.05	2.04
42538	1130010.76	922918.75	D29	370.73	368.70	2.00	370.73	2.03
42545	1129995.98	922927.53	D29	370.46	368.45	2.00	370.46	2.01
42546	1129997.59	922938.99	D29	369.86	367.86	2.00	369.85	1.99
43096	1129966.08	923005.65	C29	373.15	371.09	2.00	373.17	2.08
43103	1129942.06	922963.29	D30	371.93	369.90	2.00	371.93	2.03
43104	1129934.61	922968.92	C30	369.75	367.71	2.00	369.75	2.04
43119	1129918.65	922980.97	C30	370.42	368.37	2.00	370.45	2.08
43127	1129938.99	923025.55	C29	372.59	370.47	2.00	372.59	2.12
43135	1129902.69	922993.03	C30	369.95	367.91	2.00	369.96	2.05
43143	1129922.87	923037.39	C29	373.19	371.11	2.00	373.19	2.08
43149	1129765.08	923092.89	B31	367.34	365.30	2.00	367.33	2.03
43157	1129778.50	923104.01	B30	367.51	365.50	2.00	367.51	2.01
43166	1129810.83	923118.59	B30	367.87	365.77	2.00	367.87	2.10
43169	1129806.27	923098.24	B30	367.52	365.50	2.00	367.51	2.01
43176	1129790.63	923076.96	B30	370.24	368.22	2.00	370.24	2.02
43184	1129826.17	923108.44	B30	370.57	368.50	2.00	370.57	2.07
43192	1129807.39	923065.98	B30	371.00	369.00	2.00	371.00	2.00
43200	1129842.29	923096.60	B30	371.25	369.23	2.00	371.26	2.03
43207	1129887.35	923005.93	C30	370.11	368.11	2.00	370.10	1.99
43214	1129906.76	923049.23	C30	373.17	371.13	2.00	373.17	2.04
43221	1129872.20	923019.08	C30	369.97	367.83	2.00	369.97	2.14
43228	1129890.64	923061.07	B30	373.06	371.05	2.00	373.05	2.00
43235	1129856.70	923031.77	C30	369.75	367.70	2.00	369.74	2.04
43242	1129874.52	923072.91	B30	372.55	370.47	2.00	372.56	2.09
43249	1129840.38	923043.33	B30	369.84	367.84	2.00	369.86	2.02
43256	1129858.40	923084.75	B30	371.98	369.90	2.00	371.99	2.09
43263	1129824.05	923054.89	B30	370.55	368.51	2.00	370.54	2.03
43264	1129779.13	923071.20	B31	369.03	367.00	2.00	369.00	2.00

Table 4B
Survey Verification of Final Fill Thicknesses
Brookview Lane to Old Liverpool Road[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Elevation at Final Cut (ft)	Required Total Restoration Thickness (ft)	Elevation at Final Grade (ft)	Total Soil Cover Thickness (ft)
43270	1129752.14	923082.16	B31	367.90	365.88	2.00	367.90	2.02
43276	1129765.13	923056.89	B31	369.04	367.03	2.00	369.04	2.01
43282	1129736.68	923069.18	B31	369.03	367.00	2.00	369.01	2.01
43288	1129751.77	923042.01	B31	369.76	367.75	2.00	369.77	2.02
43294	1129722.33	923055.20	B31	369.31	367.27	2.00	369.31	2.04
43300	1129738.83	923026.75	B31	370.02	368.01	2.00	370.00	1.99
43306	1129707.97	923041.22	B31	369.72	367.72	2.00	369.72	2.00
43312	1129725.77	923011.59	B31	370.49	368.48	2.00	370.50	2.02
43318	1129694.14	923026.76	B32	370.94	368.92	2.00	370.93	2.01
43324	1129711.68	922997.37	B32	370.12	368.11	2.00	370.12	2.01
43330	1129680.64	923012.00	B32	371.04	369.00	2.00	371.06	2.06
43342	1129666.64	922997.70	B32	371.01	369.00	2.00	371.01	2.01
43347	1129690.55	922976.03	B32	370.64	368.63	2.00	370.64	2.01
4ft Excavation Areas								
1712	1130947.49	923231.67	F20	375.89	371.79	4.00	375.89	4.10
14762	1130956.23	923239.78	F20	376.46	372.33	4.00	376.46	4.13
14772	1131020.23	923289.19	F19	376.14	372.11	4.00	376.14	4.03
14773	1131017.13	923294.89	F19	375.74	371.63	4.00	375.74	4.11
14847	1131070.93	923387.27	E18	377.00	372.98	4.00	377.02	4.04
14848	1131065.14	923394.03	E18	377.48	373.41	4.00	377.49	4.08
14849	1131042.20	923380.65	E18	376.97	372.95	4.00	376.96	4.01
40929	1130800.18	923123.38	F21	373.08	369.03	4.00	373.08	4.05
40939	1130785.10	923110.24	F22	373.05	369.01	4.00	373.06	4.05
40949	1130770.03	923097.10	F22	373.03	369.00	4.00	373.01	4.01
40959	1130754.96	923083.95	F22	372.68	368.66	4.00	372.68	4.02
40997	1130812.19	923109.61	G21	373.68	369.54	4.00	373.68	4.14
41001	1130797.11	923096.47	G22	373.61	369.51	4.00	373.61	4.10
41010	1130754.42	923069.35	G22	373.35	369.23	4.00	373.35	4.12
41259	1130672.58	923056.61	F23	374.21	370.21	4.00	374.21	4.00
41279	1130657.55	923043.52	F23	375.00	370.89	4.00	375.02	4.13
42068	1130606.81	922953.52	G24	371.69	367.66	4.00	371.70	4.04
42076	1130628.01	922932.64	G24	371.14	367.11	4.00	371.15	4.04
42079	1130641.14	922919.82	G24	372.62	368.61	4.00	372.62	4.01
42090	1130591.93	922953.87	G24	372.16	368.11	4.00	372.16	4.05
42101	1130624.30	922908.31	G24	372.69	368.62	4.00	372.69	4.07
42112	1130578.07	922939.45	G24	372.30	368.29	4.00	372.29	4.00
42114	1130578.77	922924.80	G24	371.72	367.71	4.00	371.72	4.01
42119	1130599.62	922904.45	G24	371.73	367.71	4.00	371.73	4.02
42121	1130608.31	922895.97	G24	372.83	368.81	4.00	372.83	4.02
42132	1130564.28	922924.96	G25	372.30	368.29	4.00	372.30	4.01
42134	1130564.56	922910.72	G25	371.72	367.71	4.00	371.71	4.00
42139	1130585.42	922890.36	G25	371.84	367.80	4.00	371.86	4.06
42140	1130592.17	922883.78	G24	372.86	368.84	4.00	372.86	4.02
42149	1130550.50	922910.47	G25	372.30	368.29	4.00	372.30	4.01
42154	1130550.72	922896.28	G25	371.67	367.60	4.00	371.68	4.08
42159	1130571.23	922876.27	G25	371.81	367.72	4.00	371.81	4.09
42161	1130575.93	922871.68	G25	372.48	368.47	4.00	372.49	4.02
42171	1130536.76	922895.93	G25	372.32	368.32	4.00	372.32	4.00
42174	1130537.05	922881.68	G25	371.78	367.73	4.00	371.80	4.07
42181	1130556.98	922862.22	G25	371.84	367.83	4.00	371.84	4.01
42183	1130560.41	922858.88	G25	372.41	368.38	4.00	372.40	4.02
42192	1130523.04	922881.37	G25	372.46	368.45	4.00	372.46	4.01
42195	1130523.41	922867.04	G25	371.92	367.90	4.00	371.92	4.02
42198	1130541.93	922848.97	G25	372.09	368.09	4.00	372.10	4.01
42200	1130544.96	922846.01	G25	372.29	368.26	4.00	372.29	4.03
42208	1130509.29	922866.85	G25	372.29	368.27	4.00	372.30	4.03
42211	1130509.74	922852.44	G25	371.30	367.30	4.00	371.29	3.99
42214	1130526.69	922835.90	G25	371.41	367.40	4.00	371.43	4.03
42216	1130529.65	922833.01	G25	372.21	368.20	4.00	372.21	4.01
42226	1130495.54	922852.32	G25	372.27	368.26	4.00	372.27	4.01
42227	1130488.65	922845.07	G26	372.25	368.24	4.00	372.25	4.01
42229	1130495.44	922838.45	G26	371.27	367.25	4.00	371.28	4.03
42232	1130511.63	922822.65	G25	371.26	367.25	4.00	371.26	4.01
42233	1130514.52	922819.83	H25	372.37	368.37	4.00	372.37	4.00
42240	1130481.79	922837.80	G26	372.10	368.10	4.00	372.11	4.01
42246	1130496.75	922809.22	H26	371.15	367.15	4.00	371.15	4.00
42255	1130473.92	922821.52	G26	370.65	366.65	4.00	370.65	4.00

Table 4B
Survey Verification of Final Fill Thicknesses
Brookview Lane to Old Liverpool Road[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Elevation at Final Cut (ft)	Required Total Restoration Thickness (ft)	Elevation at Final Grade (ft)	Total Soil Cover Thickness (ft)
42257	1130471.96	922827.39	G26	372.00	368.00	4.00	371.99	3.99
42265	1130450.42	922798.95	G26	372.06	368.05	4.00	372.06	4.01
42266	1130448.56	922794.08	G26	372.16	368.15	4.00	372.16	4.01
42267	1130461.10	922781.40	H26	371.89	367.89	4.00	371.90	4.01
42269	1130484.26	922793.46	H26	371.96	367.95	4.00	371.97	4.02
42270	1130481.92	922795.74	H26	370.79	366.79	4.00	370.79	4.00
42271	1130471.72	922786.55	H26	371.73	367.73	4.00	371.72	3.99
42272	1130461.06	922789.90	H26	369.26	365.25	4.00	369.26	4.01
42289	1130399.87	922834.72	G26	372.68	368.67	4.00	372.68	4.01
42306	1130358.13	922854.31	F27	370.55	366.66	4.00	370.56	3.90
42309	1130378.80	922841.23	G27	371.19	367.11	4.00	371.22	4.11
42310	1130346.91	922858.45	F27	369.52	365.52	4.00	369.52	4.00
42316	1130325.95	922865.27	F27	369.83	365.83	4.00	369.82	3.99
42347	1130303.53	922872.09	F27	370.50	366.50	4.00	370.51	4.01
42357	1130293.99	922875.09	F27	370.59	366.59	4.00	370.59	4.00
42367	1130274.83	922880.82	F27	369.82	365.82	4.00	369.81	3.99
42379	1130255.64	922886.45	F27	369.74	365.71	4.00	369.75	4.04
42389	1130236.47	922892.14	F28	369.83	365.81	4.00	369.84	4.03
42399	1130217.22	922897.58	E28	369.57	365.51	4.00	369.57	4.06
42419	1130197.80	922902.44	E28	368.93	364.89	4.00	368.93	4.04
42431	1130178.69	922908.33	E28	369.08	365.01	4.00	369.10	4.09
42445	1130159.90	922915.34	E28	369.13	365.10	4.00	369.13	4.03
42457	1130141.17	922922.49	E28	369.53	365.50	4.00	369.51	4.01
42469	1130121.81	922927.58	E28	369.27	365.21	4.00	369.27	4.06
42483	1130102.49	922932.77	E28	369.33	365.21	4.00	369.32	4.11
42495	1130083.26	922938.26	D29	369.21	365.16	4.00	369.21	4.05
42509	1130064.32	922944.74	D29	368.82	364.80	4.00	368.82	4.02
42530	1130033.99	922956.05	D29	368.16	364.11	4.00	368.19	4.08
45000	1130393.02	922842.75	G26	372.37	368.33	4.00	372.38	4.05
45005	1130360.41	922872.99	F27	372.66	368.65	4.00	372.66	4.01
45007	1130348.37	922884.15	F27	372.77	368.69	4.00	372.77	4.08
45010	1130364.74	922902.00	F26	372.79	368.65	4.00	372.80	4.15
45012	1130345.27	922920.17	F27	371.99	367.88	4.00	371.99	4.11
45018	1130326.37	922911.11	F27	372.11	368.03	4.00	372.11	4.08
45023	1130307.57	922902.10	F27	372.42	368.39	4.00	372.43	4.04
45024	1130303.57	922893.16	F27	372.07	368.01	4.00	372.07	4.06
45030	1130280.86	922900.25	F27	372.52	368.43	4.00	372.53	4.10
45034	1130261.77	922906.20	F27	372.93	368.89	4.00	372.94	4.05
45038	1130242.67	922912.16	E27	372.92	368.91	4.00	372.93	4.02
45042	1130223.58	922918.11	E28	372.83	368.82	4.00	372.83	4.01
45046	1130204.49	922924.07	E28	372.50	368.44	4.00	372.51	4.07
45050	1130185.40	922930.02	E28	372.11	368.09	4.00	372.12	4.03
45054	1130166.30	922935.98	E28	372.46	368.39	4.00	372.46	4.07
45058	1130147.21	922941.93	E28	372.78	368.67	4.00	372.79	4.12
45062	1130128.12	922947.89	E28	373.06	369.01	4.00	373.07	4.06
45066	1130109.02	922953.84	D28	373.27	369.17	4.00	373.27	4.10
45070	1130089.93	922959.79	D28	373.40	369.24	4.00	373.41	4.17
45074	1130070.84	922965.75	D29	373.33	369.32	4.00	373.34	4.02
45082	1130039.52	922966.10	D29	372.25	368.22	4.00	372.25	4.03

Notes:
1. Locations of survey points are provided on Figure 6B.
2. Figure coordinates correspond to coordinate system shown on Figure 6B.

Table 4C
Survey Verification of Final Fill Thicknesses
Old Liverpool Road to Onondaga Lake Parkway[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Elevation at Final Cut (ft)	Required Total Backfill Thickness (ft)	Elevation at Top of Top Soil (ft)	Total Soil Cover Thickness (ft)
43376	1129598.47	922904.50	E34	365.40	363.33	2.00	365.41	2.08
43377	1129604.37	922899.63	E34	369.11	367.06	2.00	369.12	2.06
43383	1129590.34	922883.81	E34	369.98	367.90	2.00	369.98	2.08
43388	1129580.30	922878.59	E35	369.95	367.93	2.00	369.96	2.03
43391	1129568.26	922878.29	E35	370.05	368.01	2.00	370.08	2.07
43396	1129556.79	922882.66	E35	369.72	367.70	2.00	369.72	2.02
43404	1129539.59	922892.78	E35	369.74	367.71	2.00	369.74	2.03
43410	1129533.05	922897.91	E35	369.90	367.90	2.00	369.90	2.00
43412	1129531.14	922908.38	E35	367.96	365.90	2.00	367.96	2.06
43419	1129521.56	922920.32	E35	366.97	364.93	2.00	366.98	2.05
43426	1129537.98	922927.47	E35	367.49	365.41	2.00	367.49	2.08
43434	1129556.43	922919.20	E35	367.16	365.15	2.00	367.18	2.03
43444	1129568.09	922920.30	E34	367.64	365.60	2.00	367.64	2.04
43455	1129523.63	922942.13	E35	366.08	364.02	2.00	366.08	2.06
43458	1129515.99	922948.77	E35	365.98	363.90	2.00	365.99	2.09
43462	1129503.99	922938.01	E35	366.34	364.30	2.00	366.33	2.03
43465	1129507.85	922954.92	D35	365.75	363.74	2.00	365.76	2.02
43479	1129490.60	922965.88	D35	365.90	363.84	2.00	365.89	2.05
43484	1129482.48	922951.02	D35	365.97	363.90	2.00	365.99	2.09
43494	1129463.73	922951.06	D35	369.00	367.00	2.00	369.00	2.00
43495	1129466.39	922958.21	D35	365.95	363.90	2.00	365.98	2.08
43499	1129472.20	922973.84	D35	366.14	364.11	2.00	366.14	2.03
43507	1129441.84	922920.72	D36	371.00	369.00	2.00	370.99	1.99
43508	1129432.53	922924.38	D36	371.00	369.00	2.00	371.02	2.02
43509	1129445.65	922959.76	D35	368.56	366.50	2.00	368.55	2.05
43513	1129453.42	922980.69	D35	365.80	363.80	2.00	365.80	2.00
43521	1129423.22	922928.03	D36	371.00	369.00	2.00	371.00	2.00
43522	1129413.91	922931.68	D36	371.00	369.00	2.00	371.00	2.00
43523	1129425.73	922963.54	D35	368.13	366.13	2.00	368.13	2.00
43532	1129434.90	922988.30	D35	365.80	363.80	2.00	365.80	2.00
43540	1129404.97	922936.34	D36	371.00	368.95	2.00	371.03	2.08
43542	1129403.64	922961.52	D36	369.55	367.50	2.00	369.55	2.05
43546	1129416.40	922995.91	D35	365.93	363.91	2.00	365.91	2.00
43554	1129387.36	922946.38	D36	371.00	369.00	2.00	371.00	2.00
43557	1129392.11	922987.93	D36	366.13	364.13	2.00	366.13	2.00
43561	1129397.65	923002.87	C35	365.76	363.73	2.00	365.77	2.04
43570	1129369.80	922956.54	D36	370.86	368.82	2.00	370.88	2.06
43573	1129373.14	922994.30	C36	366.41	364.41	2.00	366.42	2.01
43578	1129379.31	923010.96	C36	366.84	364.81	2.00	366.84	2.03
43586	1129361.84	922992.69	C36	366.07	364.07	2.00	366.07	2.00
43587	1129352.22	922966.64	D36	367.26	365.25	2.00	367.26	2.01
43589	1129363.05	923016.08	C36	365.72	363.70	2.00	365.74	2.04
43598	1129344.28	923006.78	C36	366.26	364.22	2.00	366.28	2.06
43603	1129350.80	922990.02	C36	365.99	363.97	2.00	366.00	2.03
43606	1129339.01	922984.02	C36	365.76	363.70	2.00	365.75	2.05
43614	1129325.58	922999.69	C36	366.33	364.33	2.00	366.32	1.99
43619	1129329.98	922976.00	C36	365.75	363.73	2.00	365.75	2.02
43630	1129310.02	922992.79	C36	366.13	364.10	2.00	366.14	2.04
43638	1129297.32	922983.09	C36	365.82	363.80	2.00	365.82	2.02
43646	1129307.42	922955.57	C37	365.50	363.39	2.00	365.50	2.11
43654	1129282.85	922969.20	C37	365.48	363.45	2.00	365.48	2.03
43663	1129292.98	922946.38	C37	365.31	363.30	2.00	365.32	2.02
43670	1129268.80	922954.85	C37	365.27	363.16	2.00	365.27	2.11
43681	1129273.36	922933.90	C37	365.51	363.47	2.00	365.51	2.04
43689	1129254.38	922940.92	C37	365.32	363.19	2.00	365.31	2.12
43697	1129258.67	922920.31	C37	365.21	363.21	2.00	365.23	2.02
43705	1129239.86	922927.11	C37	364.88	362.82	2.00	364.88	2.06
43713	1129244.62	922905.94	D37	364.93	362.91	2.00	364.93	2.02
43721	1129223.93	922914.98	C37	364.77	362.77	2.00	364.78	2.01
43729	1129230.09	922892.15	D38	364.50	362.46	2.00	364.52	2.06
43736	1129203.83	922907.80	C38	364.73	362.59	2.00	364.75	2.16
43743	1129214.86	922879.19	D38	364.74	362.73	2.00	364.73	2.00
43749	1129187.40	922896.27	C38	364.83	362.67	2.00	364.83	2.16
43756	1129199.04	922866.92	D38	365.43	363.42	2.00	365.43	2.01
43763	1129171.25	922884.39	C38	364.77	362.66	2.00	364.76	2.10
43770	1129182.26	922855.80	D38	365.19	363.12	2.00	365.19	2.07
43777	1129155.52	922872.01	C38	364.41	362.40	2.00	364.41	2.01
43784	1129164.83	922845.44	D38	364.97	362.88	2.00	364.98	2.10
43798	1129147.32	922835.19	D39	365.33	363.30	2.00	365.33	2.03
43805	1129119.70	922852.45	C39	364.79	362.70	2.00	364.78	2.08
43813	1129128.94	922825.96	D39	364.40	362.34	2.00	364.39	2.05
43819	1129103.79	922840.48	C39	364.68	362.68	2.00	364.68	2.00
43832	1129087.26	922828.86	C39	364.56	362.54	2.00	364.55	2.01
43839	1129100.58	922797.59	D39	364.41	362.41	2.00	364.41	2.00
43844	1129071.55	922816.48	C39	364.77	362.76	2.00	364.79	2.03

Table 4C
Survey Verification of Final Fill Thicknesses
Old Liverpool Road to Onondaga Lake Parkway[1]
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Survey Point[1]	Survey Coordinates		Figure Coordinates[2]	Pre-Existing Elevation (ft)	Elevation at Final Cut (ft)	Required Total Backfill Thickness (ft)	Elevation at Top of Top Soil (ft)	Total Soil Cover Thickness (ft)
43851	1129084.61	922785.40	D39	364.49	362.41	2.00	364.50	2.09
43857	1129055.62	922804.34	C39	364.36	362.22	2.00	364.35	2.13
43863	1129069.45	922772.41	D39	364.54	362.39	2.00	364.55	2.16
43869	1129038.78	922793.27	C40	364.07	362.00	2.00	364.07	2.07
43878	1129052.43	922761.60	D40	364.41	362.40	2.00	364.44	2.04
43885	1129022.54	922781.52	D40	364.25	362.25	2.00	364.25	2.00
43901	1129007.05	922768.87	D40	364.22	362.21	2.00	364.25	2.04
43915	1128990.06	922758.00	D40	364.62	362.46	2.00	364.62	2.16
43927	1128973.61	922746.47	D40	364.46	362.35	2.00	364.46	2.11
43933	1128982.12	922720.85	D41	364.49	362.44	2.00	364.50	2.06
43939	1128955.09	922737.38	D41	364.42	362.39	2.00	364.42	2.03
43945	1128963.87	922711.48	D41	364.31	362.30	2.00	364.30	2.00
43975	1128901.90	922707.43	D41	364.22	362.20	2.00	364.23	2.03
44069	1128882.16	922699.82	D41	364.49	362.48	2.00	364.50	2.02
44081	1128866.74	922687.08	D42	364.77	362.72	2.00	364.77	2.05
44095	1128858.03	922676.37	D42	363.91	361.91	2.00	363.91	2.00
44098	1128890.60	922656.31	D42	364.39	362.34	2.00	364.4	2.06
44108	1128846.41	922659.80	D42	363.78	361.71	2.00	363.79	2.08
44123	1128837.00	922642.15	D42	364.13	362.13	2.00	364.14	2.01
44126	1128880.64	922621.05	D42	364.51	362.44	2.00	364.51	2.07
44141	1128832.81	922621.92	D42	363.76	361.72	2.00	363.75	2.03
44148	1128881.59	922587.45	D42	363.85	361.81	2.00	363.86	2.05
44154	1128818.63	922606.60	D42	368.97	366.88	2.00	368.97	2.09
44155	1128829.57	922601.22	D42	363.97	361.93	2.00	363.97	2.04
44162	1128876.82	922567.60	D42	362.75	360.71	2.00	362.74	2.03
44167	1128816.81	922596.25	D43	369.12	367.11	2.00	369.12	2.01
44168	1128816.45	922585.39	D43	368.63	366.55	2.00	368.65	2.10
44169	1128830.90	922578.35	D43	363.81	361.73	2.00	363.82	2.09
44177	1128877.48	922556.26	E42	363.50	361.49	2.00	363.50	2.01
44256	1128878.25	922447.79	F43	364.43	362.41	2.00	364.43	2.02
44259	1128865.34	922454.60	E43	364.14	362.12	2.00	364.14	2.02
44262	1128851.90	922460.89	E43	364.10	362.10	2.00	364.10	2.00
44265	1128836.74	922464.73	E43	364.80	362.80	2.00	364.78	1.98
44268	1128836.25	922445.95	E43	364.17	362.17	2.00	364.19	2.02
44282	1128874.75	922425.95	F43	363.89	361.79	2.00	363.89	2.10
44288	1128838.12	922415.95	F43	365.48	363.48	2.00	365.49	2.01
44294	1128873.60	922405.95	F43	364.08	362.06	2.00	364.08	2.02
44300	1128844.27	922395.95	F43	365.97	363.86	2.00	365.97	2.11
44306	1128877.13	922385.95	F43	364.32	362.30	2.00	364.32	2.02
44312	1128846.79	922375.95	F43	365.96	363.91	2.00	365.95	2.04
44318	1128878.99	922365.95	F43	365.09	363.08	2.00	365.09	2.01
44320	1128877.38	922355.95	F43	364.93	362.90	2.00	364.94	2.04
44325	1128846.53	922355.95	F44	365.80	363.64	2.00	365.81	2.17
44332	1128870.09	922335.95	G43	364.41	362.23	2.00	364.42	2.19
44337	1128843.18	922335.95	F44	365.80	363.76	2.00	365.78	2.02
44343	1128862.80	922315.95	G44	364.59	362.37	2.00	364.59	2.22
44348	1128837.29	922315.95	G44	365.46	363.45	2.00	365.46	2.01
44360	1128831.41	922295.95	G44	365.59	363.45	2.00	365.59	2.14
44365	1129005.37	922397.98	G42	366.71	364.40	2.00	366.71	2.31
44369	1129022.84	922377.43	G42	365.04	363.00	2.00	365.04	2.04
44370	1129014.81	922371.48	G42	364.25	362.19	2.00	364.24	2.05
44375	1128990.06	922389.07	G42	365.50	363.44	2.00	365.50	2.06
44380	1128998.74	922359.57	G42	365.76	363.71	2.00	365.76	2.05
44386	1128973.60	922377.71	G42	364.55	362.54	2.00	364.55	2.01
44392	1128982.67	922347.66	G42	366.70	364.46	2.00	366.69	2.23
44398	1128959.04	922363.67	G43	364.00	362.00	2.00	364.01	2.01
44404	1128966.59	922335.74	G43	367.03	365.00	2.00	367.03	2.03
44410	1128944.47	922349.63	G43	364.00	361.89	2.00	364.00	2.11
44414	1128950.51	922323.85	G43	366.53	364.43	2.00	366.55	2.12
44418	1128929.45	922336.25	G43	364.00	361.89	2.00	364.00	2.11
44422	1128934.27	922312.18	G43	366.35	364.14	2.00	366.34	2.20
44426	1128914.18	922323.20	G43	364.02	362.01	2.00	364.02	2.01
44430	1128918.03	922300.50	G43	366.30	363.25	2.00	366.30	3.05
44434	1128898.89	922310.20	G43	364.22	361.95	2.00	364.23	2.28
44444	1128879.76	922302.58	G43	366.00	363.96	2.00	366.02	2.06
44449	1128883.05	922280.68	G44	366.33	364.02	2.00	366.31	2.29
44454	1128860.44	922294.89	G44	365.04	363.03	2.00	365.04	2.01
44460	1128866.55	922269.38	G44	366.20	363.81	2.00	366.20	2.39
44473	1128851.42	922256.13	G44	366.12	363.91	2.00	366.14	2.23
44479	1128825.40	922275.52	G44	364.94	362.91	2.00	364.94	2.03
44480	1128818.74	922267.62	G44	365.16	363.14	2.00	365.15	2.01
44485	1128835.61	922243.86	G44	366.00	363.92	2.00	366.01	2.09
44489	1128822.69	922237.62	G44	366.10	364.10	2.00	366.11	2.01
44490	1128801.24	922249.73	G44	365.57	363.59	2.00	365.58	1.99

Notes:
1. Locations of survey points are provided on Figure 6C.
2. Figure coordinates correspond to coordinate system shown on Figure 6C.

Table 5A
Waste Manifest Summary for Non-Hazardous Soil for Bloody Brook Remediation (2014-2017)
Bloody Brook Site
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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1	10/3/2014	Riccelli	2742769	18392PB	19.84	19.84
2	10/3/2014	Riccelli	2742770	13057PC	19.72	39.56
3	10/3/2014	Riccelli	2742771	18396PB	19.26	58.82
4	10/3/2014	Riccelli	2742772	11419PC	18.94	77.76
5	10/3/2014	Riccelli	2742773	13065PC	19.38	97.14
6	10/3/2014	Riccelli	2742774	18392PB	19.50	116.64
7	10/3/2014	Riccelli	2742775	13057PC	17.06	133.70
8	10/3/2014	Riccelli	2742776	18396PB	17.78	151.48
9	10/7/2014	Riccelli	2742777	NY13070PC	21.20	172.68
10	10/7/2014	Riccelli	2742778	NY19485PB	21.51	194.19
11	10/7/2014	Riccelli	2742779	NY13062PC	22.81	217.00
12	10/7/2014	Riccelli	2742780	NY13057PC	22.67	239.67
13	10/7/2014	Riccelli	2742781	NY13065PC	19.07	258.74
14	10/7/2014	Riccelli	2742782	NY18396PB	25.13	283.87
15	10/7/2014	Riccelli	2742783	NY12611PC	24.68	308.55
16	10/7/2014	Riccelli	2742784	NY13058PC	20.75	329.30
17	10/7/2014	Riccelli	2742785	NY13070PC	22.10	351.40
18	10/7/2014	Riccelli	2742786	NY19485PB	22.34	373.74
19	10/7/2014	Riccelli	2742787	NY13062PC	22.61	396.35
20	10/7/2014	Riccelli	2742788	NY13057PC	19.81	416.16
21	10/7/2014	Riccelli	2742789	NY13065PC	24.71	440.87
22	10/8/2014	Riccelli	2742790	NY13070PC	21.87	462.74
23	10/8/2014	Riccelli	2742791	NY19485PB	22.60	485.34
24	10/8/2014	Riccelli	2742792	NY13058PC	21.66	507.00
25	10/8/2014	Riccelli	2742793	NY13057PC	20.45	527.45
26	10/8/2014	Riccelli	2742794	NY13062PC	21.62	549.07
27	10/8/2014	Riccelli	2742795	NY13065PC	20.35	569.42
28	10/8/2014	Riccelli	2742796	NY18396PB	20.20	589.62
29	10/8/2014	Riccelli	2742797	NY18651PB	20.64	610.26
30	10/8/2014	Riccelli	2742798	NY12611PC	22.11	632.37
31	10/8/2014	Riccelli	2742799	NY13070PC	16.85	649.22
32	10/8/2014	Riccelli	2742800	NY19485PB	16.14	665.36
33	10/8/2014	Riccelli	2742801	NY13058PC	17.89	683.25
34	10/8/2014	Riccelli	2742802	NY13057PC	17.40	700.65
35	10/8/2014	Riccelli	2742803	NY13062PC	14.64	715.29
36	10/8/2014	Riccelli	2742805	NY13065PC	15.05	730.34
37	10/9/2014	Riccelli	23353	NY18396PB	22.22	752.56
38	10/9/2014	Riccelli	23355	NY18651PB	22.03	774.59
39	10/9/2014	Riccelli	23356	NY19485PB	20.55	795.14
40	10/9/2014	Riccelli	23357	NY13070PC	20.37	815.51
41	10/17/2014	Riccelli	2801424	NY18396PB	17.58	833.09

Table 5A
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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
42	10/17/2014	Riccelli	2801425	NY13057PC	21.28	854.37
43	10/17/2014	Riccelli	2801426	NY19485PB	20.68	875.05
44	10/17/2014	Riccelli	2801428	NY18651PB	23.35	898.40
45	10/20/2014	Riccelli	2801429	NY13056PC	23.40	921.80
46	10/20/2014	Riccelli	2801430	NY13070PC	23.54	945.34
47	10/20/2014	Riccelli	2801431	NY19485PB	19.90	965.24
48	10/20/2014	Riccelli	2801432	NY18651PB	20.72	985.96
49	10/20/2014	Riccelli	2801433	NY18392PB	17.20	1003.16
50	10/20/2014	Riccelli	2801434	NY13065PC	21.47	1024.63
51	10/20/2014	Riccelli	2801435	NY12611PC	21.12	1045.75
52	10/20/2014	Riccelli	2801436	NY11981PC	20.63	1066.38
53	10/20/2014	Riccelli	2801437	NY13057PC	21.57	1087.95
54	10/20/2014	Riccelli	2801438	NY13056PC	20.88	1108.83
55	10/20/2014	Riccelli	2801439	NY13070PC	20.03	1128.86
56	10/20/2014	Riccelli	2801440	NY19485PB	19.53	1148.39
57	10/20/2014	Riccelli	2801441	NY18651PB	17.41	1165.80
58	10/20/2014	Riccelli	2801442	NY18392PB	20.76	1186.56
59	10/20/2014	Riccelli	2801443	NY12611PC	16.98	1203.54
60	10/20/2014	Riccelli	2801444	NY13065PC	16.76	1220.30
61	10/20/2014	Riccelli	2801445	NY11981PC	18.87	1239.17
62	10/20/2014	Riccelli	2801446	NY13057PC	18.90	1258.07
63	11/5/2014	Riccelli	2801461	NY13057PC	20.20	1278.27
64	11/5/2014	Riccelli	2801462	NY13065PC	21.52	1299.79
65	11/5/2014	Riccelli	2801463	NY18656PB	22.11	1321.90
66	11/5/2014	Riccelli	2801464	NY12611PC	22.62	1344.52
67	11/5/2014	Riccelli	2801465	NY13065PC	15.50	1360.02
68	11/5/2014	Riccelli	2801466	NY13057PC	19.57	1379.59
69	11/5/2014	Riccelli	2801467	NY18656PB	21.88	1401.47
70	11/5/2014	Riccelli	2801468	NY12611PC	22.30	1423.77
71	11/6/2014	Riccelli	2801469	NY19485PB	18.80	1442.57
72	11/6/2014	Riccelli	2801471	NY13065PC	20.14	1462.71
73	11/6/2014	Riccelli	2801473	NY13059PC	25.20	1487.91
74	11/6/2014	Riccelli	2801474	NY12611PC	20.63	1508.54
75	11/6/2014	Riccelli	2801476	NY16691PC	25.18	1533.72
76	11/6/2014	Riccelli	2801478	NY18656PB	23.96	1557.68
77	11/13/2014	Riccelli	2853469	NY19485PB	18.49	1576.17
78	11/13/2014	Riccelli	2853470	NY13070PC	20.46	1596.63
79	11/13/2014	Riccelli	2853471	NY18656PB	20.29	1616.92

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
80	11/13/2014	Riccelli	2853472	NY13058PC	20.43	1637.35
81	11/13/2014	Riccelli	2853473	-	21.21	1658.56
82	11/13/2014	Riccelli	2853474	NY16691PC	19.97	1678.53
83	11/13/2014	Riccelli	2853475	NY18392PB	20.44	1698.97
84	11/13/2014	Riccelli	2853476	NY13057PC	20.68	1719.65
85	11/13/2014	Riccelli	2853477	NY13060PC	21.22	1740.87
86	11/13/2014	Riccelli	2853478	NY18369PB	20.29	1761.16
87	11/13/2014	Riccelli	2853479	NY11981PC	21.57	1782.73
88	11/13/2014	Riccelli	2853480	NY12611PC	21.56	1804.29
89	11/13/2014	Riccelli	2853481	NY11982PC	20.69	1824.98
90	11/13/2014	Riccelli	2853482	NY49049MD	15.08	1840.06
91	11/13/2014	Riccelli	2853483	-	17.30	1857.36
92	11/13/2014	Riccelli	2853484	57824JZ	16.14	1873.50
93	11/13/2014	Riccelli	2853485	NY13061PC	19.46	1892.96
94	11/13/2014	Riccelli	2853486	NY19485PB	23.10	1916.06
95	11/13/2014	Riccelli	2853487	NY13070PC	19.37	1935.43
96	11/13/2014	Riccelli	2853488	NY18656PB	20.56	1955.99
97	11/13/2014	Riccelli	2853489	NY13058PC	21.36	1977.35
98	11/13/2014	Riccelli	2853490	NY18561PB	21.62	1998.97
99	11/13/2014	Riccelli	2853491	NY16691PC	21.41	2020.38
100	11/13/2014	Riccelli	2853492	NY13057PC	22.88	2043.26
101	11/13/2014	Riccelli	23342	NY18396PB	20.65	2063.91
102	11/13/2014	Riccelli	23343	NY13060PC	20.38	2084.29
103	11/13/2014	Riccelli	23363	NY18392PB	20.99	2105.28
104	11/13/2014	Riccelli	23344	NY12611PC	19.80	2125.08
105	11/13/2014	Riccelli	23345	NY11981PC	19.52	2144.60
106	11/13/2014	Riccelli	23346	NY11982PC	21.75	2166.35
107	11/13/2014	Riccelli	23347	NY13061PC	22.65	2189.00
108	11/14/2014	Riccelli	23348	NY13070PC	20.15	2209.15
109	11/14/2014	Riccelli	23349	AF93032	20.44	2229.59
110	11/14/2014	Riccelli	23350	NY11420PC	20.30	2249.89
111	11/14/2014	Riccelli	23351	NY18656PB	20.24	2270.13
112	11/14/2014	Riccelli	23364	NY16691PC	20.66	2290.79
113	11/14/2014	Riccelli	23366	NY20049PC	22.01	2312.80
114	11/14/2014	Riccelli	17731	NY18651PB	20.97	2333.77
115	11/14/2014	Riccelli	17732	NY18396PB	22.66	2356.43
116	11/14/2014	Riccelli	17733	NY18392PB	21.02	2377.45
117	11/14/2014	Riccelli	17734	NY13057PC	21.37	2398.82

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
118	11/14/2014	Riccelli	17735	NY13061PC	17.25	2416.07
119	11/14/2014	Riccelli	17736	NY11981PC	20.09	2436.16
120	11/14/2014	Riccelli	17737	NY12611PC	18.36	2454.52
121	11/14/2014	Riccelli	17738	NY13060PC	22.82	2477.34
122	11/14/2014	Riccelli	17739	NY70995MA	17.71	2495.05
123	11/14/2014	Riccelli	17740	NY13070PC	15.94	2510.99
124	11/14/2014	Riccelli	17741	NY57824JZ	16.82	2527.81
125	11/14/2014	Riccelli	17742	NY19485PB	20.91	2548.72
126	11/14/2014	Riccelli	17744	NY11982PC	22.61	2571.33
127	11/14/2014	Riccelli	17745	NY20121JX	20.43	2591.76
128	11/14/2014	Riccelli	17746	NY10359PC	18.63	2610.39
129	11/14/2014	Riccelli	17747	NY13070PC	18.20	2628.59
130	11/14/2014	Riccelli	17748	AF93032	19.64	2648.23
131	11/14/2014	Riccelli	17749	NY11420PC	20.43	2668.66
132	11/14/2014	Riccelli	2882069	NY18656PB	19.30	2687.96
133	11/14/2014	Riccelli	2882070	NY16691PC	19.18	2707.14
134	11/14/2014	Riccelli	2882071	NY18396PB	18.08	2725.22
135	11/14/2014	Riccelli	2882072	NY18651PB	19.49	2744.71
136	11/14/2014	Riccelli	2882073	NY20049PC	18.46	2763.17
137	11/14/2014	Riccelli	2882074	NY18392PB	19.90	2783.07
138	11/14/2014	Riccelli	2882075	NY13061PC	20.27	2803.34
139	11/14/2014	Riccelli	2882076	NY13057PC	18.64	2821.98
140	11/14/2014	Riccelli	2882077	NY13060PC	18.77	2840.75
141	11/14/2014	Riccelli	2882078	NY12611PC	19.38	2860.13
142	11/14/2014	Riccelli	2882079	NY11981PC	16.16	2876.29
143	11/17/2014	Riccelli	2882080	NY11420PC	17.40	2893.69
144	11/17/2014	Riccelli	2882081	NY13058PC	18.28	2911.97
145	11/17/2014	Riccelli	2882082	NY18656PB	18.36	2930.33
146	11/17/2014	Riccelli	2882083	NY18651PB	22.05	2952.38
147	11/17/2014	Riccelli	2882084	NY13060PC	19.78	2972.16
148	11/17/2014	Riccelli	2882085	NY18392PB	19.86	2992.02
149	11/17/2014	Riccelli	2882086	NY13057PC	17.43	3009.45
150	11/17/2014	Riccelli	2882087	NY12611PC	21.03	3030.48
151	11/17/2014	Riccelli	2882088	NY11981PC	20.10	3050.58
152	11/17/2014	Riccelli	2882089	NY20121JX	18.51	3069.09
153	11/17/2014	Riccelli	2882090	NY95056MB	21.93	3091.02
154	11/17/2014	Riccelli	2882091	NY14294PC	18.92	3109.94
155	11/17/2014	Riccelli	2882092	AF91137PA	19.45	3129.39

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
156	11/17/2014	Riccelli	2882093	NY11420PC	20.55	3149.94
157	11/17/2014	Riccelli	2882094	NY13058PC	22.32	3172.26
158	11/17/2014	Riccelli	2882095	NY18656PB	22.36	3194.62
159	11/17/2014	Riccelli	2882096	NY18651PB	22.46	3217.08
160	11/17/2014	Riccelli	2882097	NY13060PC	23.68	3240.76
161	11/17/2014	Riccelli	2882098	NY18392PB	24.68	3265.44
162	11/17/2014	Riccelli	2882099	NY13057PC	23.01	3288.45
163	11/17/2014	Riccelli	2882100	NY12611PC	20.66	3309.11
164	11/17/2014	Riccelli	2882101	NY11981PC	23.05	3332.16
165	11/17/2014	Riccelli	2882102	NY20121JX	24.62	3356.78
166	11/18/2014	Riccelli	2882103	NY13070PC	19.97	3376.75
167	11/18/2014	Riccelli	2882104	NY18656PB	21.24	3397.99
168	11/18/2014	Riccelli	2882105	NY13058PC	22.42	3420.41
169	11/18/2014	Riccelli	2882106	NY13057PC	24.11	3444.52
170	11/18/2014	Riccelli	2882107	NY16691PC	22.74	3467.26
171	11/18/2014	Riccelli	2882108	NY12611PC	22.33	3489.59
172	11/18/2014	Riccelli	2882109	NY11981PC	20.60	3510.19
173	11/18/2014	Riccelli	2882110	NY13070PC	21.87	3532.06
174	11/18/2014	Riccelli	2882111	NY18656PB	20.99	3553.05
175	11/18/2014	Riccelli	2882112	NY13058PC	26.81	3579.86
176	11/18/2014	Riccelli	2882113	NY13057PC	23.54	3603.40
177	11/18/2014	Riccelli	2882114	NY16691PC	22.02	3625.42
178	11/18/2014	Riccelli	2882115	NY12611PC	21.96	3647.38
179	11/19/2014	Riccelli	2882116	NY13070PC	19.56	3666.94
180	11/19/2014	Riccelli	2882117	NY19656PB	19.24	3686.18
181	11/19/2014	Riccelli	2882118	NY13058PC	21.66	3707.84
182	11/19/2014	Riccelli	2882119	NY18392PB	21.80	3729.64
183	11/19/2014	Riccelli	2882120	NY12611PC	21.96	3751.60
184	11/19/2014	Riccelli	2882121	NY13070PC	21.84	3773.44
185	11/19/2014	Riccelli	2882122	NY18656PB	22.62	3796.06
186	11/19/2014	Riccelli	2882123	NY12611PC	22.91	3818.97
187	11/19/2014	Riccelli	2882124	NY13058PC	20.85	3839.82
188	11/19/2014	Riccelli	2882125	NY18392PB	24.07	3863.89
189	11/20/2014	Riccelli	2882133	NY12611PC	24.25	3888.14
190	11/20/2014	Riccelli	2882134	NY13061PC	27.62	3915.76
191	11/20/2014	Riccelli	2882135	NY19968MD	24.81	3940.57
192	11/20/2014	Riccelli	2882136	NY19961MD	24.17	3964.74
193	11/20/2014	Riccelli	2882137	NY86108PA	22.03	3986.77

Table 5A
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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
194	11/20/2014	Riccelli	2882138	NY11980PC	22.32	4009.09
195	11/20/2014	Riccelli	2882139	NY72121JR	21.04	4030.13
196	11/20/2014	Riccelli	2882140	AF91137	22.17	4052.30
197	11/20/2014	Riccelli	2882141	NY14294PC	22.94	4075.24
198	11/20/2014	Riccelli	2882142	NY58089JZ	21.26	4096.50
199	11/20/2014	Riccelli	2882143	NY18656PB	23.00	4119.50
200	11/20/2014	Riccelli	2882144	NY20049PC	22.57	4142.07
201	11/20/2014	Riccelli	2882145	NY13059PC	21.80	4163.87
202	11/20/2014	Riccelli	2882146	NY13058PC	26.20	4190.07
203	11/20/2014	Riccelli	2882147	NY18392PB	24.69	4214.76
204	11/20/2014	Riccelli	2882148	NY16691PC	23.29	4238.05
205	11/20/2014	Riccelli	2882149	NY12611PC	24.44	4262.49
206	11/20/2014	Riccelli	2882150	NY13061PC	25.78	4288.27
207	11/21/2014	Riccelli	2882151	NY13070PC	21.72	4309.99
208	11/21/2014	Riccelli	2882152	NY13058PC	23.47	4333.46
209	11/21/2014	Riccelli	2882153	NY18656PB	24.61	4358.07
210	11/21/2014	Riccelli	2882154	NY18392PB	26.10	4384.17
211	11/21/2014	Riccelli	2882155	NY16691PC	24.89	4409.06
212	11/21/2014	Riccelli	2882156	NY11981PC	27.30	4436.36
213	11/21/2014	Riccelli	2882157	NY20121PC	24.41	4460.77
214	11/21/2014	Riccelli	2882158	NY19968MD	24.40	4485.17
215	11/21/2014	Riccelli	2882159	NY86108PA	22.55	4507.72
216	11/21/2014	Riccelli	2882160	NY13059PC	21.97	4529.69
217	11/21/2014	Riccelli	2882161	NY12611PC	26.55	4556.24
218	11/21/2014	Riccelli	2882162	NY18656PB	27.75	4583.99
219	11/21/2014	Riccelli	2882163	NY13070PC	26.54	4610.53
220	11/21/2014	Riccelli	2882164	NY13058PC	27.09	4637.62
221	11/21/2014	Riccelli	2882165	NY18392PB	26.00	4663.62
222	11/21/2014	Riccelli	2882166	NY16691PC	24.06	4687.68
223	11/24/2014	Riccelli	2882167	NY13070PC	24.88	4712.56
224	11/24/2014	Riccelli	2882168	NY11420PC	24.16	4736.72
225	11/24/2014	Riccelli	2882169	NY18396PB	24.66	4761.38
226	11/24/2014	Riccelli	2882170	NY13058PC	24.75	4786.13
227	11/24/2014	Riccelli	2882171	NY13059PC	24.51	4810.64
228	11/24/2014	Riccelli	2882172	NY16691PC	25.05	4835.69
229	11/24/2014	Riccelli	2882173	NY18656PB	24.48	4860.17
230	11/24/2014	Riccelli	2882174	NY13057PC	27.65	4887.82
231	11/24/2014	Riccelli	2882175	NY13061PC	22.75	4910.57

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
232	11/24/2014	Riccelli	2882176	NY13070PC	19.21	4929.78
233	11/24/2014	Riccelli	2882177	NY11420PC	22.81	4952.59
234	11/24/2014	Riccelli	2882178	NY13059PC	22.31	4974.90
235	11/24/2014	Riccelli	2882179	NY18396PB	25.80	5000.70
236	11/24/2014	Riccelli	2882180	NY13058PB	21.96	5022.66
237	11/24/2014	Riccelli	2882181	NY16691PC	24.65	5047.31
238	11/24/2014	Riccelli	2882182	NY18656PB	20.28	5067.59
239	11/24/2014	Riccelli	2882183	NY13057PC	21.00	5088.59
240	11/24/2014	Riccelli	2882184	NY13061PC	24.09	5112.68
241	12/3/2014	Riccelli	2882187	NY16691PC	21.06	5133.74
242	12/3/2014	Riccelli	2882185	NY13070PC	19.63	5153.37
243	12/3/2014	Riccelli	2882186	NY12611PC	20.34	5173.71
244	12/3/2014	Riccelli	2882188	NY19485PB	19.07	5192.78
245	12/3/2014	Riccelli	2882189	NY13059PC	23.23	5216.01
246	12/3/2014	Riccelli	2882190	NY13070PC	23.36	5239.37
247	12/3/2014	Riccelli	2882191	NY16691PC	19.47	5258.84
248	12/3/2014	Riccelli	2882193	NY12611PC	21.33	5280.17
249	12/3/2014	Riccelli	2882194	NY13059PC	24.17	5304.34
250	12/4/2014	Riccelli	2882195	NY19485PB	19.33	5323.67
251	12/4/2014	Riccelli	2882196	NY13070PC	23.33	5347.00
252	12/4/2014	Riccelli	2882197	NY12611PC	21.13	5368.13
253	12/4/2014	Riccelli	2882198	NY13059PC	21.39	5389.52
254	12/4/2014	Riccelli	2882199	NY16691PC	20.15	5409.67
255	12/4/2014	Riccelli	2882200	NY19485PB	24.22	5433.89
256	12/4/2014	Riccelli	2882201	NY13070PC	20.59	5454.48
257	12/4/2014	Riccelli	2882202	NY12611PC	21.05	5475.53
258	12/4/2014	Riccelli	2882203	NY13059PC	20.98	5496.51
259	12/4/2014	Riccelli	2882204	NY16691PC	23.63	5520.14
260	12/5/2014	Riccelli	2882205	NY13070PC	21.85	5541.99
261	12/5/2014	Riccelli	2882206	NY19485PB	19.41	5561.40
262	12/5/2014	Riccelli	2882207	NY11420PC	21.16	5582.56
263	12/5/2014	Riccelli	2882208	NY13059PC	23.76	5606.32
264	12/5/2014	Riccelli	2882209	NY12611PC	24.86	5631.18
265	12/9/2014	Riccelli	2882214	NY13058PC	24.34	5655.52
266	12/9/2014	Riccelli	2882215	NY16691PC	23.99	5679.51
267	12/9/2014	Riccelli	2882213	NY13070PC	19.36	5698.87
268	12/10/2014	Riccelli	2882216	NY13070PC	23.65	5722.52
269	12/10/2014	Riccelli	2882217	NY13058PC	23.98	5746.50

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
270	12/10/2014	Riccelli	2882218	NY16691PC	23.30	5769.80
271	4/28/2015	Silvarole	3261635	NY72669MA	25.05	5794.85
272	4/28/2015	Silvarole	3261636	NY72742MA	23.93	5818.78
273	4/28/2015	Silvarole	3261637	NY72670MA	26.40	5845.18
274	4/28/2015	Silvarole	3261638	NY72741MA	22.98	5868.16
275	4/28/2015	Silvarole	3261639	NY72662MA	25.72	5893.88
276	4/28/2015	Silvarole	3261640	NY72742MA	19.53	5913.41
277	4/28/2015	Silvarole	3261641	NY72670MA	17.23	5930.64
278	4/28/2015	Silvarole	3261642	NY72741MA	20.90	5951.54
279	4//29/2015	Silvarole	3261643	NY72670MA	22.47	5974.01
280	4/29/2015	Silvarole	3261644	NY72741MA	23.74	5997.75
281	4/29/2015	Silvarole	3261645	NY72670MA	27.59	6025.34
282	4/29/2015	Silvarole	3261646	NY72662MA	24.65	6049.99
283	4/29/2015	Silvarole	3261647	NY72741MA	25.45	6075.44
284	4/29/2015	Silvarole	3261648	NY72669MA	22.06	6097.50
285	4/30/2015	Silvarole	3261649	NY72742MA	24.21	6121.71
286	4/30/2015	Silvarole	3261650	NY72741MA	22.17	6143.88
287	4/30/2015	Silvarole	3261651	NY72669MA	25.90	6169.78
288	4/30/2015	Silvarole	3261652	NY72670MA	26.20	6195.98
289	4/30/2015	Silvarole	3261653	NY72710MC	20.30	6216.28
290	4/30/2015	Silvarole	3261654	NY72710MC	24.70	6240.98
291	4/30/2015	Silvarole	3261655	NY72742MA	23.57	6264.55
292	4/30/2015	Silvarole	3261656	NY72741MA	21.22	6285.77
293	4/30/2015	Silvarole	3261657	NY72669MA	22.16	6307.93
294	4/30/2015	Silvarole	3261658	NY72670MA	18.73	6326.66
295	5/1/2015	Silvarole	3261659	NY72742MA	26.17	6352.83
296	5/1/2015	Silvarole	3261660	NY72670MA	24.21	6377.04
297	5/1/2015	Silvarole	3261661	NY72669MA	25.32	6402.36
298	5/1/2015	Silvarole	3261662	NY27515MG	21.21	6423.57
299	5/1/2015	Silvarole	3261663	NY72669MA	26.79	6450.36
300	5/1/2015	Silvarole	3261664	NY27515MG	19.90	6470.26
301	5/1/2015	Silvarole	3261665	NY72742MA	25.33	6495.59
302	5/1/2015	Silvarole	3261666	NY72670MA	26.73	6522.32
303	5/6/2015	Silvarole	3261667	-	11.82	6534.14
304	5/6/2015	Silvarole	3261668	-	21.54	6555.68
305	5/6/2015	Silvarole	3261669	-	19.91	6575.59
306	5/6/2015	Silvarole	3261670	-	20.10	6595.69
307	5/6/2015	Silvarole	3261671	NY72742MA	21.35	6617.04
308	5/6/2015	Silvarole	3261672	-	16.52	6633.56
309	5/6/2015	Silvarole	3261673	NY72669MA	22.22	6655.78
310	5/6/2015	Silvarole	3261674	NY72670MA	22.32	6678.10

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
311	5/6/2015	Silvarole	3261675	NY72742MA	28.25	6706.35
312	5/6/2015	Silvarole	3261676	NY72741MA	26.16	6732.51
313	5/7/2015	Silvarole	3261677	NY 72742MA	27.20	6759.71
314	5/7/2015	Silvarole	3261678	NY72741MA	22.54	6782.25
315	5/7/2015	Silvarole	3261679	NY72742MA	21.55	6803.80
316	5/7/2015	Silvarole	3261680	NY72741MA	23.17	6826.97
317	5/11/2015	Silvarole	3261681	NY27515MG	23.91	6850.88
318	5/11/2015	Silvarole	3261682	NY72670MA	25.06	6875.94
319	5/11/2015	Silvarole	3261683	NY72742MA	29.83	6905.77
320	5/11/2015	Silvarole	3261684	NY72669MA	27.30	6933.07
321	5/11/2015	Silvarole	3261685	NY72670MA	26.13	6959.20
322	5/11/2015	Silvarole	3261686	NY72669MA	28.87	6988.07
323	5/11/2015	Silvarole	3261687	NY27515MG	21.95	7010.02
324	5/11/2015	Silvarole	3261688	NY72741MA	20.42	7030.44
325	5/12/2015	Silvarole	3261689	NY72670MA	21.00	7051.44
326	5/12/2015	Silvarole	3261690	-	23.63	7075.07
327	5/12/2015	Silvarole	3261691	-	22.03	7097.10
328	5/12/2015	Silvarole	3261692	-	23.77	7120.87
329	5/13/2015	Silvarole	3261693	NY72741MA	25.22	7146.09
330	5/13/2015	Silvarole	3261694	NY72670MA	24.26	7170.35
331	5/13/2015	Silvarole	3261695	NY72742MA	24.90	7195.25
332	5/13/2015	Silvarole	3261696	NY72669MA	27.27	7222.52
333	5/13/2015	Silvarole	3261697	NY36755JT	22.29	7244.81
334	5/13/2015	Silvarole	3261698	NY72742MA	25.09	7269.90
335	5/13/2015	Silvarole	3261699	NY72741MA	23.01	7292.91
336	5/13/2015	Silvarole	3261700	NY72670MA	22.52	7315.43
337	5/13/2015	Silvarole	3261701	NY36755JT	20.35	7335.78
338	5/13/2015	Silvarole	3261702	NY72669MA	21.12	7356.90
339	5/18/2015	Silvarole	3261703	NY72670MA	22.62	7379.52
340	5/18/2015	Silvarole	3261705	NY72741MA	21.77	7401.29
341	5/18/2015	Silvarole	3261706	NY27515MG	20.44	7421.73
342	5/18/2015	Silvarole	3261707	NY72669MA	21.52	7443.25
343	5/18/2015	Silvarole	3261708	NY72741MA	23.34	7466.59
344	5/18/2015	Silvarole	3261709	NY72669MA	24.20	7490.79
345	5/18/2015	Silvarole	3261710	NY27515MG	20.76	7511.55
346	5/18/2015	Silvarole	3261711	NY72670MA	27.80	7539.35
347	5/19/2015	Silvarole	3261712	NY27515MG	20.60	7559.95
348	5/19/2015	Silvarole	3261713	NY72741MA	23.41	7583.36
349	5/19/2015	Silvarole	3261714	NY72669MA	23.27	7606.63
350	5/19/2015	Silvarole	3261715	NY72670MA	24.07	7630.70
351	5/19/2015	Silvarole	3261716	NY72742MA	24.86	7655.56

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352	5/19/2015	Silvarole	3261717	NY27515MG	19.57	7675.13
353	5/19/2015	Silvarole	3261718	NY72670MA	23.67	7698.80
354	5/19/2015	Silvarole	3261719	NY72741MA	21.11	7719.91
355	5/19/2015	Silvarole	3261720	NY72669MA	22.51	7742.42
356	5/19/2015	Silvarole	3261721	NY72742MA	21.92	7764.34
357	5/29/2015	Silvarole	3261722	NY72670MA	23.06	7787.40
358	5/29/2015	Silvarole	3261723	NY72742MA	22.11	7809.51
359	5/29/2015	Silvarole	3261724	NY72669MA	21.53	7831.04
360	5/29/2015	Silvarole	3261725	NY72741MA	23.69	7854.73
361	5/29/2015	Silvarole	3261726	NY27515MG	20.21	7874.94
362	5/29/2015	Silvarole	3261727	NY27515MG	20.44	7895.38
363	5/29/2015	Silvarole	3261728	NY72670MA	22.54	7917.92
364	5/29/2015	Silvarole	3261729	NY72742MA	23.49	7941.41
365	5/29/2015	Silvarole	3261730	NY72669MA	24.96	7966.37
366	6/1/2015	Silvarole	3261731	NY72670MA	28.48	7994.85
367	6/1/2015	Silvarole	3261732	NY27515MG	17.90	8012.75
368	6/1/2015	Silvarole	3261733	NY72670MA	22.51	8035.26
369	6/1/2015	Silvarole	3261734	NY72741MA	22.51	8057.77
370	6/1/2015	Silvarole	3261735	NY72742MA	21.84	8079.61
371	6/1/2015	Silvarole	3261736	NY72741MA	21.81	8101.42
372	6/1/2015	Silvarole	3261737	NY72742MA	23.93	8125.35
373	6/3/2015	Silvarole	3261739	NY72670MA	23.95	8149.30
374	6/3/2015	Silvarole	3261740	NY72741MA	25.46	8174.76
375	6/3/2015	Silvarole	3261741	NY72670MA	23.28	8198.04
376	6/3/2015	Silvarole	3261742	NY72741MA	24.39	8222.43
377	6/4/2015	Silvarole	3261743	NY72670MA	20.73	8243.16
378	6/4/2015	Silvarole	3261744	NY72741MA	22.96	8266.12
379	6/4/2015	Silvarole	3261745	NY72742MA	27.18	8293.30
380	6/4/2015	Silvarole	3261746	NY72742MA	21.56	8314.86
381	6/4/2015	Silvarole	3261747	NY72670MA	26.30	8341.16
382	6/4/2015	Silvarole	3261748	NY72741MA	19.64	8360.80
383	6/5/2015	Silvarole	3261749	NY72670MA	21.56	8382.36
384	6/5/2015	Silvarole	3261750	NY72741MA	20.58	8402.94
385	6/5/2015	Silvarole	3261751	NY27515MG	17.07	8420.01
386	6/5/2015	Silvarole	3261752	NY72742MA	25.16	8445.17
387	6/5/2015	Silvarole	3261753	NY72669MA	28.43	8473.60
388	6/5/2015	Silvarole	3261754	NY72670MA	22.3	8495.90
389	6/5/2015	Silvarole	3261755	NY27515MG	20.58	8516.48
390	6/5/2015	Silvarole	3261756	NY72742MA	25.40	8541.88
391	6/5/2015	Silvarole	3261757	NY72669MA	25.81	8567.69
392	6/5/2015	Silvarole	3261758	NY72741MA	21.35	8589.04

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393	6/8/2015	Silvarole	3261759	NY72741MA	19.57	8608.61
394	6/8/2015	Silvarole	3261760	NY72670MA	18.97	8627.58
395	6/8/2015	Silvarole	3261761	NY72742MA	26.19	8653.77
396	6/8/2015	Silvarole	3261762	NY72669MA	22.74	8676.51
397	6/8/2015	Silvarole	3261763	NY72669MA	19.51	8696.02
398	6/8/2015	Silvarole	3261764	NY72670MA	23.41	8719.43
399	6/8/2015	Silvarole	3261765	NY72741MA	24.27	8743.70
400	6/8/2015	Silvarole	3261766	NY 72742MA	33.70	8777.40
401	6/11/2015	Silvarole	3261767	NY72669MA	16.48	8793.88
402	6/11/2015	Silvarole	3261768	NY72670MA	23.33	8817.21
403	6/11/2015	Silvarole	3261769	NY72741MA	21.41	8838.62
404	6/11/2015	Silvarole	3261770	NY27515MG	17.58	8856.20
405	6/11/2015	Silvarole	3261771	NY72742MA	26.59	8882.79
406	6/11/2015	Silvarole	3261772	NY72669MA	23.56	8906.35
407	6/11/2015	Silvarole	3261773	NY72670MA	26.55	8932.90
408	6/11/2015	Silvarole	3261774	NY72741MA	26.79	8959.69
409	6/11/2015	Silvarole	3261775	NY27515MG	24.83	8984.52
410	6/11/2015	Silvarole	3261776	NY72742MA	21.51	9006.03
411	6/12/2015	Silvarole	3261777	NY72669MA	19.84	9025.87
412	6/12/2015	Silvarole	3261778	NY72670MA	24.82	9050.69
413	6/12/2015	Silvarole	3261779	NY72742MA	21.56	9072.25
414	6/12/2015	Silvarole	3261780	NY72741MA	21.75	9094.00
415	6/12/2015	Silvarole	3261781	NY27515MG	19.40	9113.40
416	6/12/2015	Silvarole	3261782	NY72669MA	21.98	9135.38
417	6/12/2015	Silvarole	3261783	NY72670MA	23.73	9159.11
418	6/12/2015	Silvarole	3261784	NY72742MA	22.55	9181.66
419	6/12/2015	Silvarole	3261785	NY72741MA	24.17	9205.83
420	6/12/2015	Silvarole	3261786	NY27515MG	20.66	9226.49
421	6/15/2015	Silvarole	3261787	NY72670MA	24.40	9250.89
422	6/15/2015	Silvarole	3261788	NY72669MA	21.78	9272.67
423	6/15/2015	Silvarole	3261789	NY72742MA	23.58	9296.25
424	6/15/2015	Silvarole	3261790	NY27515MG	20.39	9316.64
425	6/15/2015	Silvarole	3261791	NY72741MA	23.23	9339.87
426	6/17/2015	Silvarole	3261792	NY72670MA	25.19	9365.06
427	6/17/2015	Silvarole	3261793	NY27515MG	23.78	9388.84
428	6/17/2015	Silvarole	3261794	NY72741MA	21.58	9410.42
429	6/17/2015	Silvarole	3261795	NY72669MA	20.79	9431.21
430	6/17/2015	Silvarole	3261796	NY72669MA	22.34	9453.55
431	6/17/2015	Silvarole	3261797	NY27515MG	20.50	9474.05
432	6/17/2015	Silvarole	3261798	NY72670MA	21.82	9495.87
433	6/17/2015	Silvarole	3261799	NY 72741MA	21.78	9517.65

Table 5A
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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
434	6/18/2015	Silvarole	3261800	NY72741MA	21.56	9539.21
435	6/18/2015	Silvarole	3261801	NY72670MA	19.45	9558.66
436	6/18/2015	Silvarole	3261802	NY72669MA	23.63	9582.29
437	6/18/2015	Silvarole	3261803	NY72742MA	22.84	9605.13
438	6/18/2015	Silvarole	3261804	NY27515MG	21.22	9626.35
439	6/18/2015	Silvarole	3261805	NY72741MA	25.72	9652.07
440	6/18/2015	Silvarole	3261806	NY72670MA	24.89	9676.96
441	6/18/2015	Silvarole	3261807	NY72669MA	30.48	9707.44
442	6/18/2015	Silvarole	3261808	NY72742MA	26.92	9734.36
443	6/18/2015	Silvarole	3261810	NY72741MA	19.37	9753.73
444	6/18/2015	Silvarole	3261811	NY72670MA	26.77	9780.50
445	6/18/2015	Silvarole	3261812	NY72669MA	23.59	9804.09
446	6/18/2015	Silvarole	3261813	NY72742MA	22.49	9826.58
447	6/19/2015	Silvarole	3261814	NY27515MG	24.19	9850.77
448	6/19/2015	Silvarole	3261815	NY72742MA	20.35	9871.12
449	6/19/2015	Silvarole	3261816	NY72670MA	22.72	9893.84
450	6/19/2015	Silvarole	3261817	NY72741MA	20.73	9914.57
451	6/19/2015	Silvarole	3261818	NY72669MA	21.00	9935.57
452	6/19/2015	Silvarole	3261819	NY27515MG	19.74	9955.31
453	6/22/2015	Silvarole	3261820	NY72670MA	23.66	9978.97
454	6/22/2015	Silvarole	3261821	NY47805JF	19.53	9998.50
455	6/22/2015	Silvarole	3261822	NY75554KA	17.58	10016.08
456	6/22/2015	Silvarole	3261823	NY27515MG	22.24	10038.32
457	6/22/2015	Silvarole	3261824	NY72741MA	25.08	10063.40
458	6/22/2015	Silvarole	3261825	NY72742MA	25.23	10088.63
459	6/22/2015	Silvarole	3261826	NY72670MA	22.34	10110.97
460	6/22/2015	Silvarole	3261827	NY75554KA	20.26	10131.23
461	6/22/2015	Silvarole	3261828	NY47805JF	23.55	10154.78
462	6/22/2015	Silvarole	3261829	NY27515MG	20.49	10175.27
463	6/22/2015	Silvarole	3261830	NY72741MA	23.70	10198.97
464	6/22/2015	Silvarole	3261831	NY72742MA	29.38	10228.35
465	6/23/2015	Silvarole	3261832	NY72742MA	21.00	10249.35
466	6/23/2015	Silvarole	3261833	NY27515MG	20.66	10270.01
467	6/23/2015	Silvarole	3261834	NY72742MA	29.31	10299.32
468	6/23/2015	Silvarole	3374604	NY72670MA	21.30	10320.62
469	6/23/2015	Silvarole	3374605	NY72741MA	13.94	10334.56
470	6/23/2015	Silvarole	3374606	NY30678MD	17.88	10352.44
471	6/23/2015	Silvarole	3374607	NY30535MD	18.58	10371.02
472	6/23/2015	Silvarole	3374608	NY30535MD	25.53	10396.55
473	6/23/2015	Silvarole	3374609	NY27515MG	25.64	10422.19
474	6/23/2015	Silvarole	3374610	NY72670MA	21.82	10444.01

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
475	6/23/2015	Silvarole	3374611	NY72741MA	19.85	10463.86
476	6/23/2015	Silvarole	3374612	NY30678MD	21.58	10485.44
477	6/24/2015	Silvarole	3374613	NY72670MA	22.97	10508.41
478	6/24/2015	Silvarole	3374614	NY72742MA	22.76	10531.17
479	6/24/2015	Silvarole	3374615	NY72741MA	21.40	10552.57
480	6/24/2015	Silvarole	3374616	NY72670MA	25.04	10577.61
481	6/24/2015	Silvarole	3374617	NY27515MG	23.66	10601.27
482	6/24/2015	Silvarole	3374618	NY72742MA	22.50	10623.77
483	6/24/2015	Silvarole	3374619	NY72741MA	23.94	10647.71
484	6/24/2015	Silvarole	3374620	NY27515MG	18.72	10666.43
485	6/25/2015	Silvarole	3374621	NY72670MA	24.47	10690.90
486	6/25/2014	Silvarole	3374622	NY27515MG	22.67	10713.57
487	6/25/2014	Silvarole	3374623	NY72741MA	22.04	10735.61
488	6/25/2014	Silvarole	3374624	NY72742MA	20.10	10755.71
489	6/25/2014	Silvarole	3374625	NY27515MG	24.52	10780.23
490	6/25/2014	Silvarole	3374626	NY72670MA	24.21	10804.44
491	6/25/2014	Silvarole	3374627	NY72741MA	23.04	10827.48
492	6/25/2014	Silvarole	3374628	NY72742MA	25.42	10852.90
493	6/26/2014	Silvarole	3374629	NY72741MA	24.49	10877.39
494	6/26/2014	Silvarole	3374630	NY72670MA	24.31	10901.70
495	6/26/2015	Silvarole	3374631	NY27515MG	23.90	10925.60
496	6/26/2015	Silvarole	3374632	NY72742MA	22.89	10948.49
497	6/26/2015	Silvarole	3374633	NY72741MA	23.53	10972.02
498	6/26/2015	Silvarole	3374634	NY72670MA	26.57	10998.59
499	6/26/2015	Silvarole	3374635	NY72742MA	23.66	11022.25
500	6/29/2015	Silvarole	3374636	NY72670MA	22.17	11044.42
501	6/29/2015	Silvarole	3374637	NY72742MA	22.93	11067.35
502	6/29/2015	Silvarole	3374638	NY72741MA	20.26	11087.61
503	6/29/2015	Silvarole	3374639	NY27515MG	23.99	11111.60
504	6/29/2015	Silvarole	3374640	NY72742MA	24.22	11135.82
505	6/29/2015	Silvarole	3374641	NY72670MA	22.70	11158.52
506	6/29/2015	Silvarole	3374642	NY72741MA	22.69	11181.21
507	6/29/2015	Silvarole	3374643	NY27515MG	27.02	11208.23
508	6/30/2015	Silvarole	3374644	NY72670MA	22.92	11231.15
509	6/30/2015	Silvarole	3374645	NY27515MG	23.74	11254.89
510	6/30/2015	Silvarole	3374646	NY72741MA	23.15	11278.04
511	6/30/2015	Silvarole	3374647	NY72742MA	24.85	11302.89
512	6/30/2015	Silvarole	3374648	NY72670MA	22.59	11325.48
513	6/30/2015	Silvarole	3374649	NY27515MG	22.73	11348.21
514	6/30/2015	Silvarole	3374650	NY72742MA	23.48	11371.69
515	6/30/2015	Silvarole	3374651	NY72741MA	23.26	11394.95

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
516	7/1/2015	Ron Allen	3374653	NY14568TR	27.68	11422.63
517	7/1/2015	Silvarole	3374654	NY72670MA	23.29	11445.92
518	7/1/2015	Silvarole	3374655	NY72742MA	22.28	11468.20
519	7/1/2015	Silvarole	3374656	NY72741MA	22.76	11490.96
520	7/1/2015	Silvarole	3374657	NY27515MG	23.14	11514.10
521	7/1/2015	Silvarole	3374658	NY72710MC	22.30	11536.40
522	7/1/2015	Silvarole	3374659	NY72670MA	19.71	11556.11
523	7/1/2015	Silvarole	3374660	NY72741MA	22.90	11579.01
524	7/1/2015	Silvarole	3374661	NY72741MA	25.18	11604.19
525	7/2/2015	Silvarole	3374662	NY72670MA	23.54	11627.73
526	7/2/2015	Silvarole	3374663	NY72741MA	21.54	11649.27
527	7/2/2015	Silvarole	3374664	NY72742MA	22.39	11671.66
528	7/2/2015	Silvarole	3374665	NY27515MG	23.11	11694.77
529	7/2/2015	Silvarole	3374666	NY72710MC	18.92	11713.69
530	7/2/2015	Silvarole	3374667	NY72670MA	21.39	11735.08
531	7/2/2015	Silvarole	3374668	NY72741MA	23.82	11758.90
532	7/2/2015	Silvarole	3374669	NY72742MA	21.49	11780.39
533	7/2/2015	Silvarole	3374670	NY27515MG	21.73	11802.12
534	7/7/2015	Silvarole	3374671	NY72670MA	21.50	11823.62
535	7/7/2015	Silvarole	3374672	NY27515MG	18.66	11842.28
536	7/7/2015	Silvarole	3374673	NY72742MA	23.98	11866.26
537	7/7/2015	Silvarole	3374674	NY72670MA	20.65	11886.91
538	7/7/2015	Silvarole	3374675	NY72742MA	22.52	11909.43
539	7/8/2015	Silvarole	3374676	NY72670MA	22.80	11932.23
540	7/8/2015	Silvarole	3374677	NY72742MA	23.16	11955.39
541	7/8/2015	Silvarole	3374678	NY72710MC	23.29	11978.68
542	7/8/2015	Silvarole	3374679	NY72670MA	24.12	12002.80
543	7/8/2015	Silvarole	3374680	NY722710MC	21.72	12024.52
544	7/8/2015	Silvarole	3374681	NY72742MA	24.39	12048.91
545	7/9/2015	Silvarole	3374682	NY72670MA	26.71	12075.62
546	7/9/2015	Silvarole	3374683	NY72742MA	28.19	12103.81
547	7/9/2015	Silvarole	3374684	NY72710MC	20.00	12123.81
548	7/9/2015	Silvarole	3374685	NY72670MA	20.64	12144.45
549	7/9/2015	Silvarole	3374686	NY72710MC	21.15	12165.60
550	7/10/2015	Silvarole	3374687	NY72670MA	22.82	12188.42
551	7/10/2015	Silvarole	3374688	NY72710MC	22.05	12210.47
552	7/10/2015	Silvarole	3374689	NY72670MA	22.67	12233.14
553	7/10/2015	Silvarole	3374690	NY72710MC	22.71	12255.85
554	7/13/2015	Silvarole	3374691	NY72670MA	23.12	12278.97
555	7/13/2015	Silvarole	3374692	NY72741MA	23.76	12302.73
556	7/13/2015	Silvarole	3374693	NY72742MA	22.54	12325.27

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
557	7/13/2015	Silvarole	3374694	NY72670MA	23.71	12348.98
558	7/13/2015	Silvarole	3374695	NY72741MA	22.87	12371.85
559	7/13/2015	Silvarole	3374696	NY72742MA	27.57	12399.42
560	7/14/2015	Silvarole	3374697	NY72670MA	26.35	12425.77
561	7/14/2015	Silvarole	3374698	NY72741MA	24.03	12449.80
562	7/14/2015	Silvarole	3374699	NY72742MA	23.24	12473.04
563	7/14/2015	Silvarole	3374700	NY72710MC	23.26	12496.30
564	7/14/2015	Silvarole	3374701	NY72670MA	23.50	12519.80
565	7/14/2015	Silvarole	3374702	NY72742MA	24.86	12544.66
566	7/14/2015	Silvarole	3374703	NY72710MC	21.21	12565.87
567	7/15/2015	Silvarole	3374504	NY72741MA	21.86	12587.73
568	7/15/2015	Silvarole	3374505	NY72670MA	23.45	12611.18
569	7/15/2015	Silvarole	3374506	NY72742MA	22.68	12633.86
570	7/15/2015	Silvarole	3374507	NY72710MC	19.61	12653.47
571	7/15/2015	Silvarole	3374508	NY72741MA	22.16	12675.63
572	7/15/2015	Silvarole	3374509	NY72741MA	22.34	12697.97
573	7/15/2015	Silvarole	3374510	NY72670MA	24.36	12722.33
574	7/15/2015	Silvarole	3374511	NY72710MC	19.39	12741.72
575	7/15/2015	MJ Trucking	3438841	NY34848MG	24.41	12766.13
576	7/15/2015	MJ Trucking	3438842	NY34880MG	24.76	12790.89
577	7/15/2015	MJ Trucking	3438843	NY30551MD	20.80	12811.69
578	7/15/2015	MJ Trucking	3438844	NY30551MD	23.61	12835.30
579	7/15/2015	MJ Trucking	3438845	NY30552MD	20.28	12855.58
580	7/15/2015	MJ Trucking	3438846	NY34809MG	25.81	12881.39
581	7/15/2015	MJ Trucking	3438847	NY30552MD	22.17	12903.56
582	7/15/2015	MJ Trucking	3438848	NY34809MG	12.32	12915.88
583	7/15/2015	MJ Trucking	3438849	NY34848MG	19.93	12935.81
584	7/15/2015	MJ Trucking	3438850	NY34880MG	22.96	12958.77
585	7/16/2015	Silvarole	3374512	NY72670MA	25.36	12984.13
586	7/16/2015	Silvarole	3374513	NY72741MA	23.57	13007.70
587	7/16/2015	Silvarole	3374514	NY72742MA	27.73	13035.43
588	7/16/2015	Silvarole	3374515	NY72710MC	23.36	13058.79
589	7/16/2015	Silvarole	3374516	NY72670MA	26.30	13085.09
590	7/16/2015	Silvarole	3374517	NY72741MA	27.24	13112.33
591	7/16/2015	Silvarole	3374518	NY72742MA	26.55	13138.88
592	7/16/2015	Silvarole	3374519	NY72710MC	22.77	13161.65
593	7/16/2015	MJ Trucking	3438851	NY30552MD	24.62	13186.27
594	7/16/2015	MJ Trucking	3438852	NY30551MD	20.57	13206.84
595	7/16/2015	MJ Trucking	3438853	NY34880MG	23.53	13230.37
596	7/16/2015	MJ Trucking	3438854	NY30552MD	19.24	13249.61
597	7/16/2015	MJ Trucking	3438855	NY30551MD	22.70	13272.31

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
598	7/16/2015	MJ Trucking	3438856	NY34880MG	25.69	13298.00
599	7/23/2015	Silvarole	3374520	NY72741MA	24.49	13322.49
600	7/23/2015	Silvarole	3374521	NY72742MA	25.46	13347.95
601	7/23/2015	Silvarole	3374522	NY72742MA	27.25	13375.20
602	7/23/2015	Silvarole	3374525	NY72741MA	21.44	13396.64
603	7/23/2015	Silvarole	3374526	NY72670MA	27.71	13424.35
604	7/23/2015	MJ Trucking	3438857	NY52068JW	21.22	13445.57
605	7/23/2015	Silvarole	3438858	NY72670MA	26.63	13472.20
606	7/23/2015	MJ Trucking	3438859	NY34848MG	24.07	13496.27
607	7/23/2015	MJ Trucking	3438860	NY34809MG	21.15	13517.42
608	7/23/2015	MJ Trucking	3438861	NY71790JV	21.49	13538.91
609	7/23/2015	MJ Trucking	3438862	NY24136MH	22.36	13561.27
610	7/23/2015	MJ Trucking	3438863	-	21.26	13582.53
611	7/23/2015	MJ Trucking	3438865	NY24136MH	19.13	13601.66
612	7/23/2015	MJ Trucking	3438866	NY30551MD	23.82	13625.48
613	7/23/2015	MJ Trucking	3438867	NY52068JW	21.73	13647.21
614	7/23/2015	MJ Trucking	3438868	NY71790JV	21.75	13668.96
615	7/23/2015	MJ Trucking	3438869	NY34809MG	20.14	13689.10
616	7/23/2015	MJ Trucking	3438870	NY34848MG	22.35	13711.45
617	7/24/2015	Silvarole	3374523	NY72741MA	26.11	13737.56
618	7/24/2015	Silvarole	3374524	NY72670MA	25.99	13763.55
619	7/24/2015	Silvarole	3374527	NY72742MA	29.24	13792.79
620	7/24/2015	Silvarole	3374528	NY27515MG	21.08	13813.87
621	7/24/2015	Silvarole	3374529	NY72670MA	29.01	13842.88
622	7/24/2015	Silvarole	3374530	NY72741MA	26.73	13869.61
623	7/24/2015	Silvarole	3374531	NY72742MA	25.61	13895.22
624	7/24/2015	MJ Trucking	3438864	NY34848MG	21.16	13916.38
625	7/24/2015	MJ Trucking	3438871	NY34809MG	21.93	13938.31
626	7/24/2015	MJ Trucking	3438872	NY24136MH	21.29	13959.60
627	7/24/2015	MJ Trucking	3438873	NY34880MG	26.17	13985.77
628	7/24/2015	MJ Trucking	3438874	NY71790JV	15.16	14000.93
629	7/24/2015	MJ Trucking	3438875	NY52068JW	22.99	14023.92
630	7/24/2015	MJ Trucking	3438876	NY34848MG	24.24	14048.16
631	7/24/2015	MJ Trucking	3438877	NY34809MG	24.71	14072.87
632	7/24/2015	MJ Trucking	3438878	NY24136MH	21.46	14094.33
633	7/24/2015	MJ Trucking	3438879	NY34880MG	28.88	14123.21
634	7/24/2015	MJ Trucking	3438880	NY52068JW	22.45	14145.66
635	7/24/2015	MJ Trucking	3438881	NY71790JV	24.27	14169.93
636	7/24/2015	Silvarole	3374532	NY27515MG	21.42	14191.35
637	7/27/2015	Silvarole	3374533	NY72741MA	23.62	14214.97
638	7/27/2015	Silvarole	3374534	NY72670MA	26.82	14241.79

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
639	7/27/2015	Silvarole	3374535	NY72742MA	24.18	14265.97
640	7/27/2015	Silvarole	3374536	NY27515MG	24.41	14290.38
641	7/27/2015	Silvarole	3374537	NY72741MA	23.71	14314.09
642	7/27/2015	Silvarole	3374538	NY72670MA	23.51	14337.60
643	7/27/2015	Silvarole	3374539	NY27515MG	21.01	14358.61
644	7/27/2015	Silvarole	3374540	NY72742MA	22.58	14381.19
645	7/27/2015	MJ Trucking	3438882	NY71790JV	24.31	14405.50
646	7/27/2015	MJ Trucking	3438883	NY34880MG	27.60	14433.10
647	7/27/2015	MJ Trucking	3438884	NY30552MD	23.15	14456.25
648	7/27/2015	MJ Trucking	3438885	NY24136MH	23.96	14480.21
649	7/27/2015	MJ Trucking	3438886	NY84679JS	22.06	14502.27
650	7/27/2015	MJ Trucking	3438887	NY34809MG	25.08	14527.35
651	7/27/2015	MJ Trucking	3438888	NY71790JV	17.95	14545.30
652	7/27/2015	MJ Trucking	3438889	NY34880MG	21.04	14566.34
653	7/27/2015	MJ Trucking	3438890	NY30552MD	19.89	14586.23
654	7/27/2015	MJ Trucking	3438891	NY24136MH	20.52	14606.75
655	7/27/2015	MJ Trucking	3438892	NY84679JS	19.94	14626.69
656	7/27/2015	MJ Trucking	3438893	NY34809MG	17.74	14644.43
657	7/28/2015	Silvarole	3374541	NY72670MA	24.20	14668.63
658	7/28/2015	Silvarole	3374542	NY72741MA	22.75	14691.38
659	7/28/2015	Silvarole	3374543	NY72742MA	27.56	14718.94
660	7/28/2015	Silvarole	3374544	NY27515MG	20.96	14739.90
661	7/28/2015	Silvarole	3374545	NY72670MA	23.31	14763.21
662	7/28/2015	Silvarole	3374546	NY72741MA	21.19	14784.40
663	7/28/2015	Silvarole	3374547	NY72742MA	21.99	14806.39
664	7/28/2015	Silvarole	3374548	NY27515MG	19.96	14826.35
665	7/29/2015	Silvarole	3374549	NY72742MA	23.16	14849.51
666	7/29/2015	Silvarole	3374550	-	27.89	14877.40
667	7/31/2015	Silvarole	3374551	NY72741MA	25.93	14903.33
668	7/31/2015	Silvarole	3374552	NY72742MA	31.69	14935.02
669	7/31/2015	Silvarole	3374553	NY72670MA	26.78	14961.80
670	7/31/2015	Silvarole	3374554	NY27515MG	22.06	14983.86
671	7/31/2015	Silvarole	3374555	NY72741MA	25.73	15009.59
672	7/31/2015	Silvarole	3374556	NY72742MA	29.11	15038.70
673	7/31/2015	Silvarole	3374557	NY72670MA	21.70	15060.40
674	7/31/2015	MJ Trucking	3438894	NY30552MD	20.48	15080.88
675	7/31/2015	MJ Trucking	3438895	NY34809MG	22.66	15103.54
676	7/31/2015	MJ Trucking	3438896	NY34880MG	26.03	15129.57
677	7/31/2015	MJ Trucking	3438897	NY71790JV	21.85	15151.42
678	7/31/2015	MJ Trucking	3438898	NY36289KA	19.00	15170.42
679	7/31/2015	MJ Trucking	3438899	NY52068JW	22.72	15193.14

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
680	7/31/2015	MJ Trucking	3438900	NY30552MD	23.37	15216.51
681	7/31/2015	MJ Trucking	3438901	NY34809MG	25.44	15241.95
682	7/31/2015	MJ Trucking	3438902	NY71790JV	26.82	15268.77
683	7/31/2015	MJ Trucking	3438903	NY34880MG	26.15	15294.92
684	7/31/2015	MJ Trucking	3438904	NY36289KA	23.05	15317.97
685	7/31/2015	MJ Trucking	3438905	NY52068JW	22.91	15340.88
686	8/3/2015	Silvarole	3374558	NY72670MA	25.46	15366.34
687	8/3/2015	Silvarole	3374559	NY72741MA	27.27	15393.61
688	8/3/2015	Silvarole	3374560	NY72741MA	24.79	15418.40
689	8/3/2015	Silvarole	3374561	NY27515MG	24.25	15442.65
690	8/3/2015	Silvarole	3374562	NY72670MA	29.87	15472.52
691	8/3/2015	Silvarole	3374563	NY72741MA	25.73	15498.25
692	8/3/2015	Silvarole	3374564	NY72741MA	24.83	15523.08
693	8/3/2015	MJ Trucking	3438906	NY30552MD	22.14	15545.22
694	8/3/2015	MJ Trucking	3438907	NY84679JS	23.19	15568.41
695	8/3/2015	MJ Trucking	3438908	NY71790JV	21.42	15589.83
696	8/3/2015	MJ Trucking	3438909	NY36289KA	27.79	15617.62
697	8/3/2015	MJ Trucking	3438910	NY30552MD	23.99	15641.61
698	8/3/2015	MJ Trucking	3438911	NY84679JS	22.32	15663.93
699	8/3/2015	MJ Trucking	3438912	NY71790JV	20.64	15684.57
700	8/3/2015	MJ Trucking	3438913	NY36289KA	22.06	15706.63
701	8/4/2015	MJ Trucking	3438914	NY36289KA	15.78	15722.41
702	8/4/2015	MJ Trucking	3438915	NY36289KA	20.30	15742.71
703	8/5/2015	Silvarole	3374565	NY72741MA	20.72	15763.43
704	8/5/2015	Silvarole	3374566	NY72670MA	25.88	15789.31
705	8/5/2015	Silvarole	3374567	NY72742MA	26.12	15815.43
706	8/5/2015	Silvarole	3374568	NY72741MA	21.40	15836.83
707	8/5/2015	Silvarole	3374569	NY72670MA	21.47	15858.30
708	8/5/2015	Silvarole	3374570	NY72742MA	21.39	15879.69
709	8/5/2015	MJ Trucking	3438916	NY34880MG	22.64	15902.33
710	8/5/2015	MJ Trucking	3438917	NY30553MD	22.43	15924.76
711	8/5/2015	MJ Trucking	3438918	NY34809MG	19.47	15944.23
712	8/5/2015	MJ Trucking	3438919	NY84679JS	23.06	15967.29
713	8/5/2015	MJ Trucking	3438920	NY15747ME	23.03	15990.32
714	8/5/2015	MJ Trucking	3438921	NY34880MG	24.63	16014.95
715	8/5/2015	MJ Trucking	3438922	NY30553MD	23.33	16038.28
716	8/5/2015	MJ Trucking	3438923	NY34809MG	21.84	16060.12
717	8/5/2015	MJ Trucking	3438924	NY84679JS	20.73	16080.85
718	8/5/2015	MJ Trucking	3438925	NY15747ME	20.65	16101.50
719	8/6/2015	Silvarole	3374573	NY72741MA	23.09	16124.59
720	8/6/2015	Silvarole	3374574	NY72670MA	17.94	16142.53

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721	8/6/2015	Silvarole	3374575	NY72742MA	20.17	16162.70
722	8/6/2015	Silvarole	3374576	NY72741MA	24.46	16187.16
723	8/6/2015	Silvarole	3374577	NY72670MA	26.94	16214.10
724	8/6/2015	Silvarole	3374578	NY72742MA	21.86	16235.96
725	8/6/2015	MJ Trucking	3438926	NY30553MD	17.12	16253.08
726	8/6/2015	MJ Trucking	3438927	NY34880MG	20.31	16273.39
727	8/6/2015	MJ Trucking	3438928	NY30553MD	19.40	16292.79
728	8/6/2015	MJ Trucking	3438929	NY84679JS	19.97	16312.76
729	8/6/2015	MJ Trucking	3438930	NY15747ME	20.28	16333.04
730	8/6/2015	MJ Trucking	3438931	NY30592MD	18.99	16352.03
731	8/6/2015	MJ Trucking	3438932	NY34880MG	20.05	16372.08
732	8/6/2015	MJ Trucking	3438933	NY30553MD	22.68	16394.76
733	8/6/2015	MJ Trucking	3438934	NY84679JS	14.55	16409.31
734	8/6/2015	MJ Trucking	3438935	NY15747ME	27.79	16437.10
735	8/7/2015	MJ Trucking	3438936	NY30552MD	21.88	16458.98
736	8/7/2015	MJ Trucking	3438937	NY84679JS	18.96	16477.94
737	8/7/2015	MJ Trucking	3438938	NY15747ME	25.06	16503.00
738	8/7/2015	MJ Trucking	3438939	NY84679JS	25.41	16528.41
739	8/7/2015	MJ Trucking	3438940	NY15747ME	24.22	16552.63
740	8/7/2015	Silvarole	3374571	NY72670MA	25.01	16577.64
741	8/7/2015	Silvarole	3374572	NY72741MA	22.80	16600.44
742	8/7/2015	Silvarole	3374579	NY72670MA	25.20	16625.64
743	8/7/2015	Silvarole	3374580	NY72741MA	23.41	16649.05
744	8/7/2015	Silvarole	3374581	NY72742MA	22.50	16671.55
745	8/10/2015	Silvarole	3374582	NY72741MA	24.42	16695.97
746	8/10/2015	Silvarole	3374583	NY72670MA	34.41	16730.38
747	8/10/2015	Silvarole	3374584	NY72742MA	27.52	16757.90
748	8/10/2015	Silvarole	3374585	NY72741MA	23.97	16781.87
749	8/10/2015	Silvarole	3374586	NY72670MA	24.32	16806.19
750	8/10/2015	Silvarole	3374587	NY72742MA	26.69	16832.88
751	8/10/2015	MJ Trucking	3438741	NY34848MG	25.55	16858.43
752	8/10/2015	MJ Trucking	3438742	NY30551MD	27.88	16886.31
753	8/10/2015	MJ Trucking	3438743	NY34848MG	23.43	16909.74
754	8/10/2015	MJ Trucking	3438744	NY30551MD	24.16	16933.90
755	8/11/2015	MJ Trucking	3438745	NY34848MG	20.99	16954.89
756	8/11/2015	MJ Trucking	3438746	NY34880MG	24.51	16979.40
757	8/11/2015	MJ Trucking	3438747	NY30551MD	22.50	17001.90
758	8/11/2015	MJ Trucking	3438748	NY36289KA	27.43	17029.33
759	8/11/2015	MJ Trucking	3438749	NY71933JP	25.20	17054.53
760	8/11/2015	MJ Trucking	3438750	NY84679JS	21.63	17076.16
761	8/11/2015	MJ Trucking	3438751	NY69780ME	28.37	17104.53

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762	8/11/2015	MJ Trucking	3438752	NY71790JV	22.69	17127.22
763	8/11/2015	MJ Trucking	3438753	NY15747ME	20.22	17147.44
764	8/11/2015	MJ Trucking	3438754	NY30552MD	22.28	17169.72
765	8/11/2015	Silvarole	3374588	NY27515MG	18.36	17188.08
766	8/11/2015	Silvarole	3374589	NY72742MA	23.97	17212.05
767	8/11/2015	Silvarole	3374590	NY72670MA	23.09	17235.14
768	8/11/2015	Silvarole	3374591	NY72670MA	24.12	17259.26
769	8/11/2015	Silvarole	3374592	NY27515MG	21.94	17281.20
770	8/12/2015	Silvarole	3374593	NY72670MA	26.04	17307.24
771	8/11/2015	Silvarole	3374594	NY72670MA	25.77	17333.01
772	8/11/2015	Silvarole	3374595	NY72742MA	24.43	17357.44
773	8/12/2015	MJ Trucking	3438755	NY34848MG	24.33	17381.77
774	8/12/2015	MJ Trucking	3438756	NY34880MG	24.49	17406.26
775	8/12/2015	MJ Trucking	3438757	NY30551MD	23.99	17430.25
776	8/12/2015	MJ Trucking	3438758	NY71933JP	22.34	17452.59
777	8/12/2015	MJ Trucking	3438759	NY30552MD	25.21	17477.80
778	8/12/2015	MJ Trucking	3438760	NY49530JA	25.23	17503.03
779	8/12/2015	MJ Trucking	3438761	NY84679JS	26.07	17529.10
780	8/12/2015	MJ Trucking	3438762	NY71790JV	22.82	17551.92
781	8/12/2015	MJ Trucking	3438763	NY24136MH	21.60	17573.52
782	8/12/2015	MJ Trucking	3438764	NY65780ME	21.72	17595.24
783	8/12/2015	MJ Trucking	3438765	NY34848MG	20.07	17615.31
784	8/12/2015	Silvarole	3374596	NY72741MA	22.60	17637.91
785	8/12/2015	Silvarole	3374597	NY72742MA	26.35	17664.26
786	8/12/2015	Silvarole	3374598	NY27515MG	22.72	17686.98
787	8/12/2015	Silvarole	3374599	NY72670MA	19.50	17706.48
788	8/12/2015	Silvarole	3374600	NY72741MA	22.10	17728.58
789	8/12/2015	Silvarole	3374601	NY72742MA	22.51	17751.09
790	8/12/2015	MJ Trucking	3438766	NY34880MG	22.77	17773.86
791	8/12/2015	MJ Trucking	3438767	NY30551MD	19.58	17793.44
792	8/12/2015	MJ Trucking	3438768	NY30552MD	20.18	17813.62
793	8/12/2015	MJ Trucking	3438769	NY71933JP	21.23	17834.85
794	8/12/2015	MJ Trucking	3438770	NY49530JA	20.72	17855.57
795	8/12/2015	MJ Trucking	3438771	NY84679JS	20.69	17876.26
796	8/12/2015	MJ Trucking	3438772	NY71790JV	19.83	17896.09
797	8/12/2015	MJ Trucking	3438773	NY65780ME	20.08	17916.17
798	8/12/2015	MJ Trucking	3438774	NY24136MH	20.42	17936.59
799	8/18/2015	Silvarole	3374602	NY72742MA	22.81	17959.40
800	8/18/2015	Silvarole	3374603	NY72741MA	23.34	17982.74
801	8/18/2015	Silvarole	4217616	NY72742MA	18.49	18001.23
802	8/18/2015	Silvarole	4217617	NY72741MA	24.18	18025.41

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
803	8/19/2015	Silvarole	4217618	NY72741MA	23.43	18048.84
804	8/19/2015	Silvarole	4217619	NY72742MA	23.65	18072.49
805	8/19/2015	Silvarole	4217620	NY72741MA	23.86	18096.35
806	8/19/2015	Silvarole	4217621	NY72741MA	24.25	18120.60
807	8/20/2015	Silvarole	4217622	NY72741MA	23.47	18144.07
808	8/20/2015	Silvarole	4217623	NY72742MA	26.00	18170.07
809	8/20/2015	Silvarole	4217624	NY72741MA	22.29	18192.36
810	8/20/2015	Silvarole	4217625	NY72742MA	20.85	18213.21
811	8/21/2015	Silvarole	4217626	NY72670MA	21.94	18235.15
812	8/21/2015	Silvarole	4217627	NY72741MA	21.45	18256.60
813	8/21/2015	Silvarole	4217628	NY72742MA	21.07	18277.67
814	8/21/2015	Silvarole	4217629	NY72742MA	29.93	18307.60
815	8/21/2015	Silvarole	4217630	NY72741MA	24.90	18332.50
816	8/21/2015	Silvarole	4217631	NY72670MA	23.06	18355.56
817	8/24/2015	Silvarole	4217632	NY72741MA	24.56	18380.12
818	8/24/2015	Silvarole	4217633	NY72670MA	22.21	18402.33
819	8/24/2015	Silvarole	4217634	NY72741MA	26.34	18428.67
820	8/24/2015	Silvarole	4217635	NY72670MA	22.39	18451.06
821	8/25/2015	Silvarole	4217636	NY72670MA	23.09	18474.15
822	8/25/2015	Silvarole	4217637	NY72742MA	26.27	18500.42
823	8/25/2015	Silvarole	4217638	NY72670MA	22.47	18522.89
824	8/25/2015	Silvarole	4217639	NY72742MA	21.71	18544.60
825	8/26/2015	Silvarole	4217640	NY72741MA	26.86	18571.46
826	8/26/2015	Silvarole	4217641	NY72670MA	22.99	18594.45
827	8/26/2015	Silvarole	4217642	NY72742MA	26.82	18621.27
828	8/26/2015	Silvarole	4217643	NY72741MA	24.10	18645.37
829	8/26/2015	Silvarole	4217644	NY72670MA	21.39	18666.76
830	8/26/2015	Silvarole	4217645	NY72742MA	20.86	18687.62
831	8/27/2015	Silvarole	4217646	NY72741MA	18.46	18706.08
832	8/27/2015	Silvarole	4217647	NY72670MA	19.90	18725.98
833	8/27/2015	Silvarole	4217648	NY72742MA	20.27	18746.25
834	8/27/2015	Silvarole	4217649	NY72669MA	23.08	18769.33
835	8/27/2015	Silvarole	4217650	NY72741MA	22.23	18791.56
836	8/27/2015	Silvarole	4217651	NY72670MA	22.03	18813.59
837	8/27/2015	Silvarole	4217652	NY72742MA	19.71	18833.30
838	8/27/2015	Silvarole	4217653	NY72669MA	22.20	18855.50
839	8/28/2015	Silvarole	4217654	NY72741MA	22.83	18878.33
840	8/28/2015	Silvarole	4217655	NY72670MA	18.96	18897.29
841	8/28/2015	Silvarole	4217656	NY72742MA	21.15	18918.44
842	8/28/2015	Silvarole	4217657	NY72669MA	22.66	18941.10
843	8/28/2015	Silvarole	4217658	NY72670MA	17.77	18958.87

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844	8/28/2015	Silvarole	4217659	-	22.12	18980.99
845	8/28/2015	Silvarole	4217660	NY72742MA	19.91	19000.90
846	8/28/2015	Silvarole	4217661	NY72669MA	22.12	19023.02
847	9/3/2015	Silvarole	4217662	NY72741MA	20.02	19043.04
848	9/3/2015	Silvarole	4217663	NY72670MA	17.77	19060.81
849	9/3/2015	Silvarole	4217664	NY72669MA	22.83	19083.64
850	9/3/2015	Silvarole	4217665	NY72741MA	24.07	19107.71
851	9/3/2015	Silvarole	4217666	NY72670MA	21.78	19129.49
852	9/8/2015	Silvarole	4217668	NY72741MA	15.08	19144.57
853	9/8/2015	Silvarole	4217669	NY72742MA	18.70	19163.27
854	9/10/2015	Silvarole	4217670	NY72742MA	18.54	19181.81
855	9/10/2015	Silvarole	4217671	NY72670MA	18.17	19199.98
856	9/10/2015	Silvarole	4217672	NY72669MA	24.08	19224.06
857	9/10/2015	Silvarole	4217673	NY72742MA	21.43	19245.49
858	9/10/2015	Silvarole	4217674	NY72670MA	20.82	19266.31
859	9/11/2015	Silvarole	4217675	NY72741MA	22.61	19288.92
860	9/10/2015	Silvarole	4217676	NY72669MA	1.82	19290.74
861	9/11/2015	Silvarole	4217677	NY72670MA	25.53	19316.27
862	9/11/2015	Silvarole	4217678	NY72742MA	19.21	19335.48
863	9/11/2015	Silvarole	4217679	NYAR15019	36.25	19371.73
864	9/11/2015	Silvarole	4217680	NY72741MA	21.15	19392.88
865	9/11/2015	Silvarole	4217681	NY72670MA	22.98	19415.86
866	9/11/2015	Silvarole	4217682	NY72669MA	28.10	19443.96
867	9/11/2015	Silvarole	4217683	NY72742MA	23.78	19467.74
868	9/11/2015	Silvarole	4217684	NYAR15019	37.44	19505.18
869	9/14/2015	Silvarole	4217685	NY72670MA	25.83	19531.01
870	9/14/2015	Silvarole	4217686	NY72670MA	19.70	19550.71
871	9/15/2015	Silvarole	4217687	NY72742MA	18.09	19568.80
872	9/15/2015	Silvarole	4217688	NY72669MA	19.10	19587.90
873	9/15/2015	Silvarole	4217689	NY72662MA	22.29	19610.19
874	9/15/2015	Silvarole	4217690	NY72742MA	18.92	19629.11
875	9/17/2015	Silvarole	4217691	NY72670MA	20.54	19649.65
876	9/17/2015	Silvarole	4217692	NY72669MA	27.59	19677.24
877	9/17/2015	Silvarole	4217693	NY72670MA	23.34	19700.58
878	9/17/2015	Silvarole	4217694	NY72669MA	22.73	19723.31
879	9/18/2015	Silvarole	4217695	NY72670MA	18.77	19742.08
880	9/18/2015	Silvarole	4217696	NY72741MA	19.22	19761.30
881	9/18/2015	Silvarole	4217697	NY72669MA	20.15	19781.45
882	9/18/2015	Silvarole	4217698	NY72742MA	20.48	19801.93
883	9/18/2015	Silvarole	4217699	NY72670MA	25.92	19827.85
884	9/18/2015	Silvarole	4217700	NY72741MA	25.74	19853.59

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885	9/18/2015	Silvarole	4217701	NY72669MA	23.59	19877.18
886	9/18/2015	Silvarole	4217702	NY72742MA	23.97	19901.15
887	9/18/2015	Silvarole	4217703	NY72670MA	23.44	19924.59
888	9/19/2015	Silvarole	4217704	NY72670MA	26.33	19950.92
889	9/19/2015	Silvarole	4217705	NY72742MA	24.00	19974.92
890	9/18/2015	Silvarole	4217706	NY72742MA	23.87	19998.79
891	9/18/2015	Silvarole	4217707	NY72741MA	21.59	20020.38
892	9/21/2015	Silvarole	4217708	NY72669MA	23.12	20043.50
893	9/21/2015	Silvarole	4217709	NYAR15019	37.98	20081.48
894	9/21/2015	Silvarole	4217710	NY72741MA	19.07	20100.55
895	9/21/2015	Silvarole	4217711	NY72742MA	16.79	20117.34
896	9/21/2015	Silvarole	4217712	NY72670MA	21.62	20138.96
897	9/21/2015	Silvarole	4217713	NYAR15019	41.78	20180.74
898	9/21/2015	Silvarole	4217714	NY72669MA	23.34	20204.08
899	9/21/2015	Silvarole	4217715	NY72741MA	25.78	20229.86
900	9/21/2015	Silvarole	4217811	NY72742MA	26.22	20256.08
901	9/21/2015	Silvarole	4217812	NYAR15019	38.24	20294.32
902	9/21/2015	Silvarole	4217813	NY72669MA	23.42	20317.74
903	9/22/2015	Silvarole	4217814	NY72741MA	25.89	20343.63
904	9/22/2015	Silvarole	4217815	NY72742MA	22.30	20365.93
905	9/23/2015	Silvarole	4217816	NY72670MA	25.50	20391.43
906	9/23/2015	Silvarole	4217817	NY72669MA	22.70	20414.13
907	9/23/2015	Silvarole	4217818	NY72742MA	25.10	20439.23
908	9/23/2015	Silvarole	4217819	NY72670MA	25.48	20464.71
909	9/23/2015	Silvarole	4217720	NY72669MA	24.51	20489.22
910	9/25/2015	Silvarole	4217721	NY72741MA	26.29	20515.51
911	9/25/2015	Silvarole	4217722	NY72669MA	27.69	20543.20
912	9/25/2015	Silvarole	4217723	NY72742MA	24.45	20567.65
913	9/25/2015	Silvarole	4217724	NY54653	39.11	20606.76
914	9/25/2015	Silvarole	4217725	NYAE92573	37.95	20644.71
915	9/25/2015	Silvarole	4217726	NY72741MA	22.78	20667.49
916	9/25/2015	Silvarole	4217727	NY72742MA	23.12	20690.61
917	9/25/2015	Silvarole	4217728	NY72669MA	24.01	20714.62
918	9/25/2015	Silvarole	4217729	NYAE92573	39.72	20754.34
919	9/25/2015	Silvarole	4217730	NYAF54653	38.27	20792.61
920	9/28/2015	Silvarole	4217731	NY72670MA	24.17	20816.78
921	9/28/2015	Silvarole	4217732	NY72669MA	23.35	20840.13
922	9/28/2015	Silvarole	4217733	NY72741MA	23.64	20863.77
923	9/28/2015	Silvarole	4217734	NY72742MA	22.60	20886.37
924	9/28/2015	Silvarole	4217735	NYAE92573	38.56	20924.93
925	9/28/2015	Silvarole	4217736	NYAF54653	36.05	20960.98

Table 5A
Waste Manifest Summary for Non-Hazardous Soil for Bloody Brook Remediation (2014-2017)
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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
926	9/28/2015	Silvarole	4217737	NYAE92574	40.41	21001.39
927	9/28/2015	Silvarole	4217738	NYAP49155	38.46	21039.85
928	9/28/2015	Silvarole	4217739	NYAE92574	38.94	21078.79
929	9/28/2015	Silvarole	4217740	NY72669MA	23.88	21102.67
930	9/28/2015	Silvarole	4217741	NY72742MA	25.40	21128.07
931	9/28/2015	Silvarole	4217742	NYAE92573	39.55	21167.62
932	9/28/2015	Silvarole	4217743	NY72741MA	21.88	21189.50
933	9/28/2015	Silvarole	4217744	NYAE92571	35.72	21225.22
934	9/28/2015	Silvarole	4217745	NYAF54653	37.27	21262.49
935	9/28/2015	Silvarole	4217746	NYAP49155	38.94	21301.43
936	10/5/2015	Silvarole	4217747	NY72669MA	21.53	21322.96
937	10/5/2015	Silvarole	4217748	NY72670MA	24.83	21347.79
938	10/2/2015	Silvarole	4217749	NY72741MA	23.96	21371.75
939	10/2/2015	Silvarole	4217750	NY72742MA	21.96	21393.71
940	10/2/2015	Silvarole	4217751	NY72669MA	23.43	21417.14
941	10/2/2015	Silvarole	4217752	NY72669MA	22.21	21439.35
942	10/2/2015	Silvarole	4217753	NY72742MA	20.81	21460.16
943	10/2/2015	Silvarole	4217754	NY72741MA	25.54	21485.70
944	10/5/2015	Silvarole	4217755	NY72742MA	20.61	21506.31
945	10/5/2015	Silvarole	4217756	NY72741MA	23.23	21529.54
946	10/5/2015	Silvarole	4217757	NY72662MA	21.35	21550.89
947	10/5/2015	Silvarole	4217758	NY72670MA	27.71	21578.60
948	10/5/2015	Silvarole	4217759	NY72742MA	21.97	21600.57
949	10/5/2015	Silvarole	4217760	NY72742MA	19.21	21619.78
950	10/6/2015	Silvarole	4217761	NY72662MA	24.95	21644.73
951	10/8/2015	Silvarole	4217762	NY72670MA	24.96	21669.69
952	10/8/2015	Silvarole	4217763	NY72669MA	27.78	21697.47
953	10/8/2015	Silvarole	4217764	NY72670MA	23.58	21721.05
954	10/15/2015	Silvarole	4217765	NY72670MA	20.90	21741.95
955	10/15/2015	Silvarole	4217766	NY72741MA	23.36	21765.31
956	10/15/2015	Silvarole	4217767	NY72742MA	21.87	21787.18
957	10/15/2015	Silvarole	4217768	NY72669MA	22.29	21809.47
958	10/15/2015	Silvarole	4217769	NY72670MA	21.40	21830.87
959	10/15/2015	Silvarole	4217770	NY72741MA	22.03	21852.90
960	10/15/2015	Silvarole	4217771	NY72742MA	23.78	21876.68
961	10/16/2015	Silvarole	4217772	NY72669MA	24.66	21901.34
962	10/16/2015	Silvarole	4217773	NY72741MA	22.66	21924.00
963	10/16/2015	Silvarole	4217774	NY72670MA	22.54	21946.54
964	10/16/2015	Silvarole	4217775	NY72742MA	20.42	21966.96
965	10/16/2015	Silvarole	4217776	NY72669MA	21.21	21988.17
966	10/16/2015	Silvarole	4217777	NY72741MA	20.61	22008.78

Table 5A
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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
967	10/16/2015	Silvarole	4217778	NY72670MA	22.48	22031.26
968	10/16/2015	Silvarole	4217779	NY72742MA	20.94	22052.20
969	10/19/2015	Silvarole	4217780	NY72669MA	18.81	22071.01
970	10/19/2015	Silvarole	4217781	NY72670MA	22.56	22093.57
971	10/19/2015	Silvarole	4217782	NY72741MA	18.83	22112.40
972	10/19/2015	Silvarole	4217783	NY72742MA	19.78	22132.18
973	10/19/2015	Silvarole	4217784	NY72669MA	22.61	22154.79
974	10/19/2015	Silvarole	4217785	NY72670MA	21.90	22176.69
975	10/19/2015	Silvarole	4217786	NY72741MA	22.79	22199.48
976	10/19/2015	Silvarole	4217787	NY72742MA	21.30	22220.78
977	10/20/2015	Silvarole	4217788	NY72670MA	22.06	22242.84
978	10/20/2015	Silvarole	4217789	NY72669MA	22.54	22265.38
979	10/20/2015	Silvarole	4217790	NY72741MA	17.37	22282.75
980	10/20/2015	Silvarole	4217791	NY72742MA	19.74	22302.49
981	10/20/2015	Silvarole	4217792	NY72670MA	22.41	22324.90
982	10/20/2015	Silvarole	4217793	NY72669MA	18.60	22343.50
983	10/20/2015	Silvarole	4217794	NY72741MA	19.26	22362.76
984	10/20/2015	Silvarole	4217795	NY72742MA	16.56	22379.32
985	10/27/2015	Silvarole	4217796	NY72670MA	24.35	22403.67
986	10/27/2015	Silvarole	4217797	NY72669MA	26.01	22429.68
987	10/27/2015	Silvarole	4217798	NY72742MA	18.40	22448.08
988	10/27/2015	Silvarole	4217799	NY72669MA	17.25	22465.33
989	10/27/2015	Silvarole	4217800	NY72670MA	23.11	22488.44
990	10/27/2015	Silvarole	4217801	NY72742MA	19.75	22508.19
991	10/27/2015	MJ Trucking	3438775	NY71790JV	18.98	22527.17
992	10/27/2015	MJ Trucking	3438776	NY49530JA	17.47	22544.64
993	10/27/2015	MJ Trucking	3438777	NY24136MH	20.62	22565.26
994	10/27/2015	MJ Trucking	3438778	NY79571JZ	17.13	22582.39
995	10/27/2015	MJ Trucking	3438779	NY49530JA	16.85	22599.24
996	10/27/2015	MJ Trucking	3438780	NY24136MH	19.75	22618.99
997	10/27/2015	MJ Trucking	3438781	NY79571JZ	17.59	22636.58
998	10/29/2015	Silvarole	4217802	NY72741MA	17.22	22653.80
999	10/29/2015	Silvarole	4217803	NY72669MA	20.04	22673.84
1000	10/29/2015	Silvarole	4217804	NY72670MA	23.34	22697.18
1001	10/29/2015	Silvarole	4217805	NY72742MA	16.64	22713.82
1002	10/29/2015	Silvarole	4217806	NY72669MA	29.00	22742.82
1003	10/30/2015	Silvarole	4217807	NY72670MA	26.12	22768.94
1004	10/30/2015	Silvarole	4217808	NY72742MA	21.55	22790.49
1005	10/29/2015	MJ Trucking	3438782	NY52068JW	21.23	22811.72
1006	10/29/2015	MJ Trucking	3438783	NY52068JW	21.14	22832.86
1007	10/30/2015	MJ Trucking	3438784	NY52068JW	18.33	22851.19

Table 5A
Waste Manifest Summary for Non-Hazardous Soil for Bloody Brook Remediation (2014-2017)
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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1008	10/30/2015	MJ Trucking	3438785	NY52068JW	21.49	22872.68
1009	10/30/2015	Silvarole	4217809	NY72669MA	22.40	22895.08
1010	10/30/2015	Silvarole	4217810	NY72741MA	21.92	22917.00
1011	10/30/2015	Silvarole	4375193	NY72742MA	21.41	22938.41
1012	10/30/2015	Silvarole	4375194	NY72670MA	21.22	22959.63
1013	10/30/2015	Silvarole	4375195	NY72669MA	22.57	22982.20
1014	10/30/2015	Silvarole	4375196	NY72741MA	23.23	23005.43
1015	11/2/2015	Silvarole	4375197	NY72741MA	23.88	23029.31
1016	11/2/2015	Silvarole	4375198	NY72669MA	24.46	23053.77
1017	11/2/2015	Silvarole	4375199	NY72670MA	23.18	23076.95
1018	11/2/2015	Silvarole	4375200	NY72742MA	21.43	23098.38
1019	11/2/2015	Silvarole	4375201	NY72669MA	19.60	23117.98
1020	11/2/2015	Silvarole	4375202	NY72741MA	21.78	23139.76
1021	11/2/2015	Silvarole	4375203	NY72670MA	19.68	23159.44
1022	11/2/2015	Silvarole	4375204	NY72742MA	22.15	23181.59
1023	11/2/2015	MJ Trucking	3438786	NY84679JS	22.14	23203.73
1024	11/2/2015	MJ Trucking	3438787	NY52068JW	23.29	23227.02
1025	11/2/2015	MJ Trucking	3438788	NY84679JS	14.95	23241.97
1026	11/2/2015	MJ Trucking	3438789	NY52068JW	24.52	23266.49
1027	11/9/2015	Silvarole	4375205	NY72670MA	25.42	23291.91
1028	11/10/2015	Silvarole	4375206	NY72670MA	25.32	23317.23
1029	11/10/2015	Silvarole	4375207	NY72741MA	21.53	23338.76
1030	11/10/2015	Silvarole	4375208	NY72742MA	20.98	23359.74
1031	11/10/2015	Silvarole	4375209	NY72670MA	24.22	23383.96
1032	11/10/2015	Silvarole	4375210	NY72741MA	20.26	23404.22
1033	11/10/2015	Silvarole	4375211	NY72742MA	16.08	23420.30
1034	11/11/2015	Silvarole	4375212	NY72670MA	21.24	23441.54
1035	11/11/2015	Silvarole	4375213	NY72670MA	27.64	23469.18
1036	11/12/2015	Silvarole	4375214	NY72670MA	27.10	23496.28
1037	11/13/2015	Silvarole	4375215	NY72670MA	24.46	23520.74
1038	11/17/2015	Silvarole	4375216	NY72741MA	23.62	23544.36
1039	11/17/2015	Silvarole	4375217	NY72669MA	26.51	23570.87
1040	11/17/2015	Silvarole	4375218	NY72670MA	23.81	23594.68
1041	11/17/2015	Silvarole	4375219	NY72742MA	23.64	23618.32
1042	11/17/2015	Silvarole	4375220	NY72741MA	24.59	23642.91
1043	11/17/2015	Silvarole	4375221	NY72669MA	24.43	23667.34
1044	11/17/2015	Silvarole	4375222	NY72670MA	27.72	23695.06
1045	11/17/2015	Silvarole	4375223	NY72742MA	24.32	23719.38
1046	11/17/2015	MJ Trucking	3438790	NY71790JV	22.05	23741.43
1047	11/17/2015	MJ Trucking	3438791	NY52068JW	20.71	23762.14
1048	11/17/2015	MJ Trucking	3438792	NY71790JV	21.38	23783.52

Table 5A
Waste Manifest Summary for Non-Hazardous Soil for Bloody Brook Remediation (2014-2017)
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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1049	11/17/2015	MJ Trucking	3438793	NY52068JW	22.39	23805.91
1050	11/17/2015	MJ Trucking	3438794	NY36289KA	19.47	23825.38
1051	11/18/2015	MJ Trucking	3438795	NY34809MG	24.26	23849.64
1052	11/18/2015	MJ Trucking	3438796	NY71790JV	21.12	23870.76
1053	11/18/2015	MJ Trucking	3438797	NY52068JW	24.14	23894.90
1054	11/18/2015	MJ Trucking	3438798	NY36289KA	18.46	23913.36
1055	11/18/2015	MJ Trucking	3438799	NY84679JS	21.88	23935.24
1056	11/18/2015	MJ Trucking	3438800	NY34809MG	24.62	23959.86
1057	11/18/2015	MJ Trucking	3438801	NY71790JV	22.00	23981.86
1058	11/18/2015	MJ Trucking	3438802	NY36289KA	27.17	24009.03
1059	11/18/2015	MJ Trucking	3438803	NY52068JW	23.21	24032.24
1060	11/18/2015	MJ Trucking	3438804	NY84679JS	21.58	24053.82
1061	11/18/2015	Silvarole	4375224	NY72669MA	23.91	24077.73
1062	11/18/2015	Silvarole	4375225	NY72741MA	26.39	24104.12
1063	11/18/2015	Silvarole	4375226	NY72670MA	23.27	24127.39
1064	11/18/2015	Silvarole	4375227	NY72742MA	21.54	24148.93
1065	11/18/2015	Silvarole	4375228	NY72669MA	22.65	24171.58
1066	11/18/2015	Silvarole	4375229	NY72741MA	22.27	24193.85
1067	11/18/2015	Silvarole	4375230	NY72670MA	29.13	24222.98
1068	11/18/2015	Silvarole	4375231	NY72742MA	21.78	24244.76
1069	11/20/2015	Silvarole	4375232	NY72670MA	21.42	24266.18
1070	11/20/2015	Silvarole	4375233	NY72669MA	24.46	24290.64
1071	11/20/2015	Silvarole	4375234	NY72741MA	26.89	24317.53
1072	11/20/2015	Silvarole	4375235	NY72742MA	20.98	24338.51
1073	11/20/2015	Silvarole	4375236	NY72670MA	24.74	24363.25
1074	11/20/2015	Silvarole	4375237	NY72669MA	21.64	24384.89
1075	11/20/2015	Silvarole	4375238	NY72742MA	21.80	24406.69
1076	11/20/2015	MJ Trucking	3438805	NY71790JV	23.63	24430.32
1077	11/20/2015	MJ Trucking	3438806	NY36289KA	22.07	24452.39
1078	11/20/2015	MJ Trucking	3438807	NY84679JS	23.13	24475.52
1079	11/20/2015	MJ Trucking	3438808	NY52068JW	23.33	24498.85
1080	11/20/2015	MJ Trucking	3438809	NY71790JV	19.94	24518.79
1081	11/20/2015	MJ Trucking	3438810	NY36289KA	19.35	24538.14
1082	11/20/2015	MJ Trucking	3438811	NY84679JS	20.20	24558.34
1083	11/20/2015	MJ Trucking	3438812	NY52068JW	23.82	24582.16
1084	11/30/2015	Silvarole	4375239	NY72742MA	19.12	24601.28
1085	11/30/2015	Silvarole	4375240	NY72741MA	19.26	24620.54
1086	11/30/2015	Silvarole	4375241	NY72669MA	18.13	24638.67
1087	11/30/2015	Silvarole	4375242	NY72670MA	16.79	24655.46
1088	11/30/2015	Silvarole	4375243	NY72669MA	25.74	24681.20
1089	11/30/2015	Silvarole	4375244	NY72741MA	21.15	24702.35

Table 5A
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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1090	11/30/2015	Silvarole	4375245	NY72670MA	20.10	24722.45
1091	11/30/2015	Silvarole	4375246	NY72742MA	21.94	24744.39
1092	12/1/2015	Silvarole	4375247	NY72670MA	24.39	24768.78
1093	12/1/2015	Silvarole	4375248	NY72669MA	20.72	24789.50
1094	12/1/2015	Silvarole	4375249	NY72742MA	20.28	24809.78
1095	12/1/2015	Silvarole	4375250	NY72669MA	25.41	24835.19
1096	12/1/2015	Silvarole	4375251	NY72670MA	20.82	24856.01
1097	12/1/2015	Silvarole	4375252	NY72741MA	23.09	24879.10
1098	12/1/2015	Silvarole	4375253	NY72742MA	25.05	24904.15
1099	12/4/2015	Silvarole	4375254	NY72669MA	22.51	24926.66
1100	12/4/2015	Silvarole	4375255	NY72670MA	21.57	24948.23
1101	12/4/2015	Silvarole	4375256	NY72741MA	21.27	24969.50
1102	12/4/2015	Silvarole	4375257	NY72742MA	20.40	24989.90
1103	12/4/2015	Silvarole	4375258	NY72669MA	21.31	25011.21
1104	12/4/2015	Silvarole	4375259	NY72670MA	23.72	25034.93
1105	12/4/2015	Silvarole	4375260	NY72741MA	21.95	25056.88
1106	12/4/2015	Silvarole	4375261	NY72742MA	23.36	25080.24
1107	12/8/2015	Silvarole	4375262	NY72669MA	21.91	25102.15
1108	12/8/2015	Silvarole	4375263	NY72670MA	19.08	25121.23
1109	12/8/2015	Silvarole	4375264	NY72742MA	20.51	25141.74
1110	12/8/2015	Silvarole	4375265	NY72669MA	21.44	25163.18
1111	12/8/2015	Silvarole	4375266	NY72741MA	19.19	25182.37
1112	12/8/2015	Silvarole	4375267	NY72670MA	19.87	25202.24
1113	12/8/2015	Silvarole	4375268	NY72742MA	19.46	25221.70
1114	12/8/2015	Silvarole	4375269	NY72741MA	19.59	25241.29
1115	12/10/2015	Silvarole	4375270	NY72670MA	20.45	25261.74
1116	12/10/2015	Silvarole	4375271	NY72670MA	26.77	25288.51
1117	12/15/2015	Silvarole	4375272	NY72741MA	23.68	25312.19
1118	12/15/2015	Silvarole	4375273	NY72670MA	19.22	25331.41
1119	12/15/2015	Silvarole	4375274	NY72669MA	22.02	25353.43
1120	12/15/2015	Silvarole	4375275	NY72741MA	18.21	25371.64
1121	12/15/2015	Silvarole	4375276	NY72670MA	21.09	25392.73
1122	12/15/2015	Silvarole	4375277	NY72669MA	21.50	25414.23
1123	12/15/2015	MJ Trucking	3438813	NY34880MG	21.25	25435.48
1124	12/15/2015	MJ Trucking	3438814	NY71790JV	20.11	25455.59
1125	12/15/2015	MJ Trucking	3438815	NY84679JS	17.87	25473.46
1126	12/15/2015	MJ Trucking	3438816	NY79571JZ	17.96	25491.42
1127	12/15/2015	MJ Trucking	3438817	NY34880MG	23.63	25515.05
1128	12/15/2015	MJ Trucking	3438818	NY71790JV	20.49	25535.54
1129	12/15/2015	MJ Trucking	3438819	NY84679JS	20.15	25555.69
1130	12/15/2015	MJ Trucking	3438820	NY79571JZ	21.17	25576.86

Table 5A
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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1131	12/21/2015	Silvarole	4375278	NY72741MA	25.33	25602.19
1132	12/21/2015	Silvarole	4375279	NY72670MA	26.11	25628.30
1133	12/21/2015	Silvarole	4375280	NY72669MA	17.75	25646.05
1134	12/21/2015	Silvarole	4375281	NY72742MA	20.93	25666.98
1135	12/21/2015	Silvarole	4375282	NY72741MA	26.00	25692.98
1136	12/21/2015	Silvarole	4375283	NY72670MA	28.62	25721.60
1137	12/21/2015	Silvarole	4375284	NY72669MA	28.32	25749.92
1138	12/21/2015	Silvarole	4375285	NY72742MA	18.83	25768.75
1139	12/22/2015	Silvarole	4375286	NY72741MA	18.48	25787.23
1140	12/22/2015	Silvarole	4375287	NY72670MA	21.41	25808.64
1141	12/23/2015	Silvarole	4375288	NY72670MA	25.19	25833.83
1142	12/23/2015	Silvarole	4375289	NY72741MA	24.21	25858.04
1143	2/9/2016	Silvarole	4375290	NY72670MA	20.05	25878.09
1144	2/9/2016	Silvarole	4375291	NY72670MA	22.90	25900.99
1145	2/10/2016	Silvarole	3438840	NY72670MA	25.26	25926.25
1146	2/10/2016	Silvarole	3438821	NY72670MA	26.82	25953.07
1147	5/20/2016	Riccelli	2882219	NYAR28920	32.13	25985.20
1148	5/20/2016	Riccelli	2882220	NY52731PC	38.14	26023.34
1149	5/20/2016	Riccelli	2882221	NYAR28920	35.34	26058.68
1150	5/23/2016	Riccelli	2882222	NYAR28920	30.68	26089.36
1151	5/23/2016	Riccelli	2882223	PAAF93032	20.11	26109.47
1152	5/23/2016	Riccelli	2882224	NY46114PC	21.33	26130.80
1153	5/23/2016	Riccelli	2882225	NY1589C9	30.58	26161.38
1154	5/23/2016	Riccelli	2882226	NYAR28920	29.72	26191.10
1155	5/23/2016	Riccelli	2882227	PAAF93032	20.55	26211.65
1156	5/23/2016	Riccelli	2882228	NY46114PC	22.12	26233.77
1157	5/23/2016	Riccelli	2882229	NY1589C9	25.82	26259.59
1158	5/24/2016	Riccelli	2882230	PAAF93032	20.88	26280.47
1159	5/24/2016	Riccelli	2882231	NY46114PC	20.49	26300.96
1160	5/24/2016	Riccelli	2882232	NY48401MH	21.17	26322.13
1161	5/24/2016	Riccelli	2882233	NY10798PC	21.29	26343.42
1162	5/24/2016	Riccelli	2882234	NY48931MH	20.01	26363.43
1163	5/24/2016	Riccelli	2882235	NY19962MD	22.21	26385.64
1164	5/24/2016	Riccelli	2882236	PAAF93032	19.17	26404.81
1165	5/24/2016	Riccelli	2882237	NY46114PC	19.86	26424.67
1166	5/24/2016	Riccelli	2882238	NY48401MH	24.84	26449.51
1167	5/24/2016	Riccelli	2882239	NY10798PC	17.14	26466.65
1168	5/24/2016	Riccelli	2882240	NY48391MH	16.74	26483.39
1169	5/25/2016	Riccelli	2882241	NY48401MH	20.88	26504.27
1170	6/2/2016	Riccelli	2882242	NY46114PC	19.55	26523.82
1171	6/2/2016	Riccelli	2882243	NY70797PC	11.36	26535.18

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Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1172	6/16/2016	Riccelli	2882244	NY48394MH	22.70	26557.88
1173	6/16/2016	Riccelli	2882245	NY40505PC	20.91	26578.79
1174	6/16/2016	Riccelli	2882246	NY11422PC	20.34	26599.13
1175	6/16/2016	Riccelli	2882247	NY48394MH	19.56	26618.69
1176	6/17/2016	Riccelli	2882248	NY48394MH	25.84	26644.53
1177	6/17/2016	Riccelli	2882249	NY48394MH	21.29	26665.82
1178	6/20/2016	Riccelli	2882250	NY46114PC	21.09	26686.91
1179	6/24/2016	Riccelli	2882251	NY48394MA	26.44	26713.35
1180	6/24/2016	Riccelli	2882252	NY19965MD	26.19	26739.54
1181	6/24/2016	Riccelli	2882253	NY98772MG	26.11	26765.65
1182	6/24/2016	Riccelli	2882254	NY48394MH	23.69	26789.34
1183	6/24/2016	Riccelli	2882255	NY19965MD	20.33	26809.67
1184	6/24/2016	Riccelli	2882256	NY98772MG	22.63	26832.30
1185	6/28/2016	Riccelli	2882257	NY48394MH	23.81	26856.11
1186	6/28/2016	Riccelli	2882258	NY40505PC	22.06	26878.17
1187	6/28/2016	Riccelli	2882259	NY48394MH	23.70	26901.87
1188	6/29/2016	Riccelli	2882260	NY48394MH	20.47	26922.34
1189	7/1/2016	Riccelli	2882261	NY16691PC	19.46	26941.80
1190	7/1/2016	Riccelli	2882262	PAAF93032	22.35	26964.15
1191	7/5/2016	Riccelli	2882263	NY48394MH	29.03	26993.18
1192	7/5/2016	Riccelli	2882264	NY48394MH	22.87	27016.05
1193	7/6/2016	Riccelli	2882265	NY1701C8	33.93	27049.98
1194	7/6/2016	Riccelli	2882266	NY3287C1	34.72	27084.70
1195	7/6/2016	Riccelli	2882267	NYAM41090/N	31.31	27116.01
1196	7/6/2016	Riccelli	2882268	NY98772MG/N	29.43	27145.44
1197	7/6/2016	Riccelli	4889682	NY48400MH/N	31.38	27176.82
1198	7/6/2016	Riccelli	4889683	NY59794PA/N	31.92	27208.74
1199	7/6/2016	Riccelli	4889684	NY52725PC/N	33.31	27242.05
1200	7/6/2016	Riccelli	4889685	NY10798PC	21.52	27263.57
1201	7/6/2016	Riccelli	4889686	NY52728PC/N	33.15	27296.72
1202	7/6/2016	Riccelli	4889687	NY20101MJ/N	28.75	27325.47
1203	7/6/2016	Riccelli	4889688	NY98772MG/N	33.16	27358.63
1204	7/7/2016	Riccelli	4889689	NY20101MJ/N	32.79	27391.42
1205	7/7/2016	Riccelli	4889690	NY98772MG/N	33.31	27424.73
1206	7/7/2016	Riccelli	4889691	NY18397PB	20.71	27445.44
1207	7/7/2016	Riccelli	4889692	NY20101MJ/A	27.47	27472.91
1208	7/7/2016	Riccelli	4889693	NY98772MG/A	28.42	27501.33
1209	7/8/2016	Riccelli	4889694	NY10799PC	23.08	27524.41
1210	7/8/2016	Riccelli	4889695	NY10797PC	7.88	27532.29
1211	7/8/2016	Riccelli	4889696	NY18656PB	21.71	27554.00
1212	7/8/2016	Riccelli	4889697	NY11422PC	20.72	27574.72

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1213	7/11/2016	Riccelli	4889698	NY1576C9	34.57	27609.29
1214	7/11/2016	Riccelli	4889699	NY19965MD/N	28.96	27638.25
1215	7/11/2016	Riccelli	4889700	NY10797PC	26.73	27664.98
1216	7/11/2016	Riccelli	4889701	NY10799PC	23.69	27688.67
1217	7/11/2016	Riccelli	4889702	NY19965MD/A	29.26	27717.93
1218	7/12/2016	Riccelli	4889703	NY48393MH/N	30.88	27748.81
1219	7/12/2016	Riccelli	4889704	NY48391MH/N	28.97	27777.78
1220	7/12/2016	Riccelli	4889705	NY98772MG/N	31.75	27809.53
1221	7/12/2016	Riccelli	4889706	NY29137ME/N	30.44	27839.97
1222	7/12/2016	Riccelli	4889707	NY20101MJ/N	28.25	27868.22
1223	7/12/2016	Riccelli	4889708	NY10797PC	23.53	27891.75
1224	7/12/2016	Riccelli	4889709	NY10799PC	21.37	27913.12
1225	7/13/2016	Riccelli	4889710	NY48394MH	21.13	27934.25
1226	7/13/2016	Riccelli	4889711	NY19485PC	22.67	27956.92
1227	7/13/2016	Riccelli	4889712	NY51470PC	23.72	27980.64
1228	7/13/2016	Riccelli	4889713	NY46114PC	23.72	28004.36
1229	7/13/2016	Riccelli	4889715	NY18656PB	20.94	28025.30
1230	7/13/2016	Riccelli	4889716	NY10799PC	21.74	28047.04
1231	7/13/2016	Riccelli	4889717	NY10797PC	24.22	28071.26
1232	7/15/2016	Riccelli	4889718	NY40505PC	20.02	28091.28
1233	7/15/2016	Riccelli	4889719	NY10797PC	21.42	28112.70
1234	7/15/2016	Riccelli	4889720	NY10799PC	24.56	28137.26
1235	7/15/2016	Riccelli	4889721	NY48394MH	21.80	28159.06
1236	7/15/2016	Riccelli	4889722	NY40505PC	21.13	28180.19
1237	7/15/2016	Riccelli	4889723	NY10797PC	22.73	28202.92
1238	7/15/2016	Riccelli	4889724	NY48394MH	24.45	28227.37
1239	7/15/2016	Riccelli	4889725	NY10799PC	24.54	28251.91
1240	7/19/2016	Riccelli	4889726	NY11422PC	29.97	28281.88
1241	7/19/2016	Riccelli	4889727	NY48394MH	26.83	28308.71
1242	7/19/2016	Riccelli	4889728	NY10799PC	25.81	28334.52
1243	7/19/2016	Riccelli	4889729	NY11422PC	26.53	28361.05
1244	7/21/2016	Riccelli	4889730	NY10797PC	17.27	28378.32
1245	7/21/2016	Riccelli	4889731	NY48394MH	22.37	28400.69
1246	7/21/2016	Riccelli	4889732	NY20101MJ	24.23	28424.92
1247	7/21/2016	Riccelli	4889733	NY40505PC	24.00	28448.92
1248	7/21/2016	Riccelli	4889734	NY10799PC	24.68	28473.60
1249	7/21/2016	Riccelli	4889735	NY10797PC	27.33	28500.93
1250	7/21/2016	Riccelli	4889736	NY48394MH	22.77	28523.70
1251	7/21/2016	Riccelli	4889737	NY40505PC	24.16	28547.86
1252	7/21/2016	Riccelli	4889738	NY20101MJ	23.40	28571.26
1253	7/21/2016	Riccelli	4889739	NY10799PC	21.07	28592.33

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1254	7/22/2016	Riccelli	4889740	NY48394MH	23.90	28616.23
1255	7/22/2016	Riccelli	4889741	NY10799PC	23.89	28640.12
1256	7/22/2016	Riccelli	4889742	NY20101MJ	24.08	28664.20
1257	7/22/2016	Riccelli	4889743	NY48394MH	18.16	28682.36
1258	7/22/2016	Riccelli	4889744	NY10799PC	22.77	28705.13
1259	7/22/2016	Riccelli	4889745	NY20101MJ	21.32	28726.45
1260	7/25/2016	Riccelli	4889746	NY10799PC	22.09	28748.54
1261	7/25/2016	Riccelli	4889747	NY48394MH	24.34	28772.88
1262	7/25/2016	Riccelli	4889748	NY40505PC	27.78	28800.66
1263	7/25/2016	Riccelli	4889749	NY10797PC	26.40	28827.06
1264	7/26/2016	Riccelli	4889750	NY48394MH	24.46	28851.52
1265	7/26/2016	Riccelli	4889751	NY13057PC	24.86	28876.38
1266	7/26/2016	Riccelli	4889752	NY10799PC	22.49	28898.87
1267	7/26/2016	Riccelli	4889753	NY48394MH	23.54	28922.41
1268	7/26/2016	Riccelli	4889754	NY13057PC	23.26	28945.67
1269	7/26/2016	Riccelli	4889755	NY10799PC	21.18	28966.85
1270	7/27/2016	Riccelli	4889756	NY48394MH	23.97	28990.82
1271	7/27/2016	Riccelli	4889757	NY40505PC	25.97	29016.79
1272	7/27/2016	Riccelli	4889758	NY10799PC	23.49	29040.28
1273	7/27/2016	Riccelli	4889759	NY10799PC	21.80	29062.08
1274	7/28/2016	Riccelli	4889760	NY11422PC	25.12	29087.20
1275	7/28/2016	Riccelli	4889761	NY48394MH	21.85	29109.05
1276	7/28/2016	Riccelli	4889762	NY40505PC	27.77	29136.82
1277	7/29/2016	Riccelli	4889763	NY40505PC	27.29	29164.11
1278	7/28/2016	Riccelli	4889764	NY48394MH	24.23	29188.34
1279	7/28/2016	Riccelli	4889765	NY51473PC	28.06	29216.40
1280	7/28/2016	Riccelli	4889766	NY11422PC	21.08	29237.48
1281	7/29/2016	Riccelli	4889767	NY48394MH	24.17	29261.65
1282	7/29/2016	Riccelli	4889768	NY10799PC	18.68	29280.33
1283	7/29/2016	Riccelli	4889769	NY11422PC	21.26	29301.59
1284	7/29/2016	Riccelli	4889770	NY29137ME	24.20	29325.79
1285	7/29/2016	Riccelli	4889771	NY51473PC	24.20	29349.99
1286	7/29/2016	Riccelli	4889772	NY40505PC	23.95	29373.94
1287	7/29/2016	Riccelli	4889773	NY48394MH	22.96	29396.90
1288	7/29/2016	Riccelli	4889774	NY11422PC	24.58	29421.48
1289	7/29/2016	Riccelli	4889775	NY29137ME	24.60	29446.08
1290	8/1/2016	Riccelli	4889776	NY51473PC	24.51	29470.59
1291	8/1/2016	Riccelli	4889777	NY51473PC	22.32	29492.91
1292	8/4/2016	Riccelli	4889778	NY48394MH	21.15	29514.06
1293	8/4/2016	Riccelli	4889779	NYAR28920	31.30	29545.36
1294	8/4/2016	Riccelli	4889780	NY48394MH	23.18	29568.54

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1295	8/4/2016	Riccelli	4889781	NYAR28920	36.06	29604.60
1296	8/5/2016	Riccelli	5057852	NY1539C9	26.91	29631.51
1297	8/5/2016	Riccelli	5057853	NYAR28920	30.25	29661.76
1298	8/5/2016	Riccelli	5057854	NY51473PC	25.57	29687.33
1299	8/5/2016	Riccelli	5057855	NY1589C9	28.46	29715.79
1300	8/8/2016	Riccelli	5057857	NYAR28920	33.96	29749.75
1301	8/8/2016	Riccelli	5057858	NY51473PC	23.44	29773.19
1302	8/8/2016	Riccelli	5057859	NY46114PC	23.70	29796.89
1303	8/8/2016	Riccelli	5057860	NY18656PB	27.06	29823.95
1304	8/8/2016	Riccelli	5057861	NYAR28920	33.36	29857.31
1305	8/9/2016	Riccelli	5057862	NY48394MH	25.30	29882.61
1306	8/9/2016	Riccelli	5057863	NYAR28920	36.50	29919.11
1307	8/9/2016	Riccelli	5057864	NY10799PC	22.89	29942.00
1308	8/9/2016	Riccelli	5057865	NY1589C9	25.10	29967.10
1309	8/9/2016	Riccelli	5057866	NY10748PC	30.41	29997.51
1310	8/9/2016	Riccelli	5057867	NY48394MH	25.26	30022.77
1311	8/9/2016	Riccelli	5057868	NY10798PC	28.47	30051.24
1312	8/9/2016	Riccelli	5057869	NYAR28920	32.00	30083.24
1313	8/9/2016	Riccelli	5057870	NY10799PC	25.41	30108.65
1314	8/9/2016	Riccelli	5057871	NY52731PC	31.78	30140.43
1315	8/16/2016	Riccelli	5057872	NY18656PB	24.75	30165.18
1316	9/2/2016	Riccelli	5057873	NY48401MH/B	37.60	30202.78
1317	9/2/2016	Riccelli	5057874	NYAR28920	31.00	30233.78
1318	9/2/2016	Riccelli	5057875	NY48392MH/A	35.43	30269.21
1319	9/2/2016	Riccelli	5057876	NY48400MH/A	38.34	30307.55
1320	9/2/2016	Riccelli	5057877	NY51473PC	24.73	30332.28
1321	9/2/2016	Riccelli	5057878	NY18651PB	20.91	30353.19
1322	9/2/2016	Riccelli	5057879	NY48401MH/B	42.09	30395.28
1323	9/2/2016	Riccelli	5057880	NY48392MH/A	45.84	30441.12
1324	9/2/2016	Riccelli	5057881	NY48400MH/A	39.86	30480.98
1325	9/2/2016	Riccelli	5057882	NYAU59418	34.94	30515.92
1326	9/7/2016	Riccelli	5057883	NYAS56368	34.74	30550.66
1327	9/7/2016	Riccelli	5057884	NYAR28920	30.89	30581.55
1328	9/7/2016	Riccelli	5057885	NYAW55319	38.86	30620.41
1329	9/7/2016	Riccelli	5057886	NY1574C9	37.34	30657.75
1330	9/7/2016	Riccelli	5057887	AU59418NY	30.48	30688.23
1331	9/7/2016	Riccelli	5057888	NYAS56368	33.02	30721.25
1332	9/7/2016	Riccelli	5057889	NY28920	30.69	30751.94
1333	9/7/2016	Riccelli	5057890	NYAW55319	34.75	30786.69
1334	9/8/2016	Riccelli	5057891	NY48401MH	21.51	30808.20
1335	9/8/2016	Riccelli	5057892	NY48392MH	24.48	30832.68

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1336	9/8/2016	Riccelli	5057893	NY48401MH	24.89	30857.57
1337	9/8/2016	Riccelli	5057894	NY48392MH	23.35	30880.92
1338	9/9/2016	Riccelli	5057895	NY10799PC	22.62	30903.54
1339	9/9/2016	Riccelli	5057896	NY51473PC	25.87	30929.41
1340	9/9/2016	Riccelli	5057897	NY10799PC	22.96	30952.37
1341	9/9/2016	Riccelli	5057898	NY51473PC	23.37	30975.74
1342	9/13/2016	Riccelli	5057899	NY48394MH	23.33	30999.07
1343	9/13/2016	Riccelli	5057900	NY48401MH	26.27	31025.34
1344	9/13/2016	Riccelli	5057901	NY48400MH	25.92	31051.26
1345	9/13/2016	Riccelli	5057902	NY19485PB	24.10	31075.36
1346	9/13/2016	Riccelli	5057903	NY48394MH	24.76	31100.12
1347	9/13/2016	Riccelli	5057904	NY48400MH	23.41	31123.53
1348	9/13/2016	Riccelli	5057905	NY10799PC	22.72	31146.25
1349	9/13/2016	Riccelli	5057906	NY48401MH	24.46	31170.71
1350	9/13/2016	Riccelli	5057907	NY19485PB	22.32	31193.03
1351	9/13/2016	Riccelli	5057908	NY51473PC	25.78	31218.81
1352	9/14/2016	Riccelli	5057909	NY10799PC	19.61	31238.42
1353	9/14/2016	Riccelli	5057910	NY51473PC	22.25	31260.67
1354	9/14/2016	Riccelli	5057911	NY10799PC	23.08	31283.75
1355	9/14/2016	Riccelli	5057912	NY51473PC	21.65	31305.40
1356	9/15/2016	Riccelli	5057913	NY10799PC	17.41	31322.81
1357	9/15/2016	Riccelli	5057914	NY98772MG	24.19	31347.00
1358	9/15/2016	Riccelli	5057915	NY10799PC	19.16	31366.16
1359	9/15/2016	Riccelli	5057916	NY98772MG	21.78	31387.94
1360	9/15/2016	Riccelli	5057917	NY51473PC	20.65	31408.59
1361	9/16/2016	Riccelli	5057918	NY10799PC	26.40	31434.99
1362	9/16/2016	Riccelli	5057919	NY48400MH	27.86	31462.85
1363	9/16/2016	Riccelli	5057920	NY51473PC	28.27	31491.12
1364	9/16/2016	Riccelli	5057921	NY98772MG	28.11	31519.23
1365	9/16/2016	Riccelli	5057922	NY10799PC	27.49	31546.72
1366	9/16/2016	Riccelli	5057923	NY48400MH	25.66	31572.38
1367	9/16/2016	Riccelli	5057924	NY98772MG	26.33	31598.71
1368	9/16/2016	Riccelli	5057925	NY51473PC	27.60	31626.31
1369	9/21/2016	Riccelli	5057926	NY52733PC	28.33	31654.64
1370	9/21/2016	Riccelli	5057927	PAAF91137	30.53	31685.17
1371	9/21/2016	Riccelli	5057928	NY5273PC	25.47	31710.64
1372	9/21/2016	Riccelli	5057929	PAAF91137	28.34	31738.98
1373	9/23/2016	Riccelli	5057930	NY8656PB	29.26	31768.24
1374	9/23/2016	Riccelli	5057931	NY51473PC	26.51	31794.75
1375	9/23/2016	Riccelli	5057932	NY8656PB	28.13	31822.88
1376	9/23/2016	Riccelli	5057933	NY51473PC	28.81	31851.69

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Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1377	9/26/2016	Riccelli	5057934	NY40505PC	26.18	31877.87
1378	9/26/2016	Riccelli	5057935	NY10799PC	25.22	31903.09
1379	9/26/2016	Riccelli	5057936	NY40505PC	27.86	31930.95
1380	9/26/2016	Riccelli	5057937	NY10799PC	25.30	31956.25
1381	9/28/2016	Riccelli	5057938	NY19965MD	31.69	31987.94
1382	9/28/2016	Riccelli	5057939	NY98772MG	32.22	32020.16
1383	9/28/2016	Riccelli	5057940	NY20101MJ	29.06	32049.22
1384	9/28/2016	Riccelli	5057941	NY19965MD	28.09	32077.31
1385	9/28/2016	Riccelli	5057942	NY98772MG	28.44	32105.75
1386	9/28/2016	Riccelli	5057943	NY20101MJ	27.59	32133.34
1387	9/29/2016	Riccelli	5057944	NY40505PC	23.69	32157.03
1388	9/29/2016	Riccelli	5057945	NY10799PC	25.54	32182.57
1389	9/29/2016	Riccelli	5057946	NY40505PC	24.02	32206.59
1390	9/29/2016	Riccelli	5057947	NY10799PC	23.29	32229.88
1391	9/30/2016	Riccelli	5057948	NY40505PC	21.52	32251.40
1392	9/30/2016	Riccelli	5057949	NY10799PC	24.30	32275.70
1393	9/30/2016	Riccelli	5057950	NY40505PC	22.77	32298.47
1394	9/30/2016	Riccelli	5057951	NY10799PC	21.01	32319.48
1395	10/3/2016	Riccelli	5204470	NY20101MJ	22.59	32342.07
1396	10/3/2016	Riccelli	5204471	NY48391MH	23.11	32365.18
1397	10/3/2016	Riccelli	5204472	NY19967MD	22.50	32387.68
1398	10/3/2016	Riccelli	5204473	NY19485PB	23.88	32411.56
1399	10/3/2016	Riccelli	5204474	NY20101MJ	25.17	32436.73
1400	10/3/2016	Riccelli	5204475	NY19967MD	18.01	32454.74
1401	10/3/2016	Riccelli	5204476	NY19485PB	20.39	32475.13
1402	10/3/2016	Riccelli	5204477	NY48391MH	25.05	32500.18
1403	10/5/2016	Riccelli	5204478	NY10798PC	24.04	32524.22
1404	10/5/2016	Riccelli	5204479	NY51473PC	24.63	32548.85
1405	10/5/2016	Riccelli	5204480	NY10798PC	27.13	32575.98
1406	10/5/2016	Riccelli	5204481	NY51473PC	22.75	32598.73
1407	10/6/2016	Riccelli	5204482	NY10799PC	24.70	32623.43
1408	10/6/2016	Riccelli	5204483	NY51473PC	24.68	32648.11
1409	10/6/2016	Riccelli	5204484	NY11422PC	23.92	32672.03
1410	10/6/2016	Riccelli	5204485	NY48813PC	24.14	32696.17
1411	10/6/2016	Riccelli	5204486	PAAF92499	24.49	32720.66
1412	10/6/2016	Riccelli	5204487	NY11422PC	24.80	32745.46
1413	10/6/2016	Riccelli	5204488	NY51473PC	26.85	32772.31
1414	10/7/2016	Riccelli	5204489	NY11423PC	27.65	32799.96
1415	10/7/2016	Riccelli	5204490	NY40505PC	25.33	32825.29
1416	10/7/2016	Riccelli	5204491	NY40505PC	27.41	32852.70
1417	10/7/2016	Riccelli	5204492	NY10799PC	23.71	32876.41

Table 5A
Waste Manifest Summary for Non-Hazardous Soil for Bloody Brook Remediation (2014-2017)
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1418	10/7/2016	Riccelli	5204493	NY48813PC	20.92	32897.33
1419	10/7/2016	Riccelli	5204494	NY51473PC	23.74	32921.07
1420	10/7/2016	Riccelli	5204495	NY48813PC	23.82	32944.89
1421	10/7/2016	Riccelli	5204496	NY11423PC	24.27	32969.16
1422	10/7/2016	Riccelli	5204497	NY10799PC	23.46	32992.62
1423	10/7/2016	Riccelli	5204498	NY51473PC	26.08	33018.70
1424	10/14/2016	Riccelli	5204499	NY48394MH	19.60	33038.30
1425	10/14/2016	Riccelli	5204500	NY40505PC	24.74	33063.04
1426	10/14/2016	Riccelli	5204501	NY19962MD	20.32	33083.36
1427	10/14/2016	Riccelli	5204502	NY10799PC	17.87	33101.23
1428	10/14/2016	Riccelli	5204503	NY48394MH	23.88	33125.11
1429	10/14/2016	Riccelli	5204504	NY40505PC	23.96	33149.07
1430	10/14/2016	Riccelli	5204505	NY19962MD	27.18	33176.25
1431	10/14/2016	Riccelli	5204506	NY10799PC	28.36	33204.61
1432	10/24/2016	Riccelli	5204507	NY51473PC	23.18	33227.79
1433	10/24/2016	Riccelli	5204508	NY51473PC	17.99	33245.78
1434	11/1/2016	Riccelli	5204509	NY40505PC	24.65	33270.43
1435	11/1/2016	Riccelli	5204510	NY29137ME	22.47	33292.90
1436	11/1/2016	Riccelli	5204511	NY98774MG	25.85	33318.75
1437	11/1/2016	Riccelli	5204512	NY10799PC	25.30	33344.05
1438	11/1/2016	Riccelli	5204513	NY40505PC	18.29	33362.34
1439	11/1/2016	Riccelli	5204514	NY29137ME	21.68	33384.02
1440	11/1/2016	Riccelli	5204515	NY98774MG	22.74	33406.76
1441	11/2/2016	Riccelli	5204516	NY10799PC	24.72	33431.48
1442	11/2/2016	Riccelli	5204517	NY48394MH	26.66	33458.14
1443	11/2/2016	Riccelli	5204518	NY19967MD	27.04	33485.18
1444	11/2/2016	Riccelli	5204519	NY48394MH	27.16	33512.34
1445	11/2/2016	Riccelli	5204520	NY19967MD	24.22	33536.56
1446	11/2/2016	Riccelli	5204521	NY10799PC	19.76	33556.32
1447	11/2/2016	Riccelli	5204522	NY20101MJ	21.57	33577.89
1448	11/2/2016	Riccelli	5204523	NY98774MG	23.28	33601.17
1449	11/4/2016	Riccelli	5204524	NY51473PC	23.66	33624.83
1450	11/9/2016	Riccelli	5204525	NY48813PC	23.06	33647.89
1451	11/9/2016	Riccelli	5204526	NY10798PC	18.82	33666.71
1452	11/9/2016	Riccelli	5204527	NY19485PC	25.54	33692.25
1453	11/9/2016	Riccelli	5204528	NY13036PC	22.43	33714.68
1454	11/9/2016	Riccelli	5204529	NY51473PC	26.29	33740.97
1455	11/9/2016	Riccelli	5204530	NY46113PC	25.55	33766.52
1456	11/9/2016	Riccelli	5204531	NY40505PC	23.43	33789.95
1457	11/9/2016	Riccelli	5204532	NY18656PB	16.80	33806.75
1458	11/9/2016	Riccelli	5204533	NY10799PC	20.56	33827.31

Table 5A
Waste Manifest Summary for Non-Hazardous Soil for Bloody Brook Remediation (2014-2017)
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1459	11/14/2016	Riccelli	5204534	NY29137ME	24.56	33851.87
1460	11/14/2016	Riccelli	5204535	NY48394MH	17.51	33869.38
1461	11/14/2016	Riccelli	5204536	NY18651PB	22.51	33891.89
1462	11/14/2016	Riccelli	5204537	NY19962MD	27.31	33919.20
1463	11/15/2016	Riccelli	5204538	NY19965MD	23.18	33942.38
1464	11/15/2016	Riccelli	5204539	NY48393MH	28.02	33970.40
1465	11/15/2016	Riccelli	5204540	NY19964MD	29.86	34000.26
1466	11/15/2016	Riccelli	5204541	NY10799PC	23.19	34023.45
1467	11/15/2016	Riccelli	5204542	NY48394MH	25.25	34048.70
1468	11/16/2016	Riccelli	5204543	NY48401MH	17.94	34066.64
1469	11/17/2016	Riccelli	5204544	NY48400MH	22.20	34088.84
1470	11/17/2016	Riccelli	5204545	NY29137ME	20.99	34109.83
1471	11/18/2016	Riccelli	5204546	NY48400MH	21.78	34131.61
1472	12/9/2016	Riccelli	5204547	NY18651PB	23.72	34155.33
1473	12/9/2016	Riccelli	5204548	NY11420PC	21.95	34177.28
1474	12/12/2016	Riccelli	5204549	NYAE92499	23.83	34201.11
1475	12/12/2016	Riccelli	5204550	NY51473PC	23.14	34224.25
1476	12/12/2016	Riccelli	5204551	NY11422PC	24.82	34249.07
1477	12/12/2016	Riccelli	5204552	N Y18651PB	24.23	34273.30
1478	12/12/2016	Riccelli	5204553	NYAF92499	24.83	34298.13
1479	12/12/2016	Riccelli	5204554	NY51473PC	21.83	34319.96
1480	12/13/2016	Riccelli	5204555	NY46113PC	24.06	34344.02
1481	4/3/2017	Riccelli	5204556	AF93032	18.82	34362.84
1482	4/4/2017	Riccelli	5204557	AF93032	21.71	34384.55
1483	4/4/2017	Riccelli	5204558	NY10799PC	24.42	34408.97
1484	4/4/2017	Riccelli	5204559	NY29137ME	24.05	34433.02
1485	4/5/2017	Riccelli	5204560	NY10799PC	21.93	34454.95
1486	4/5/2017	Riccelli	5204561	NY29137ME	21.28	34476.23
1487	4/5/2017	Riccelli	5204562	NY20101MJ	25.42	34501.65
1488	4/5/2017	Riccelli	5204563	NY19964MD	21.94	34523.59
1489	4/5/2017	Riccelli	5204564	NY10799PC	20.84	34544.43
1490	4/5/2017	Riccelli	5204565	NY29137ME	23.18	34567.61
1491	4/5/2017	Riccelli	5204566	NY20101MJ	22.63	34590.24
1492	4/5/2017	Riccelli	5204567	NY19964MD	24.42	34614.66
1493	4/6/2017	Riccelli	5204568	NY10799PC	21.55	34636.21
1494	4/6/2017	Riccelli	5204569	NY29137ME	24.93	34661.14
1495	4/6/2017	Riccelli	5600460	NY20101MJ	22.74	34683.88
1496	4/6/2017	Riccelli	5600461	NY19964MD	16.15	34700.03
1497	4/6/2017	Riccelli	5600462	NY29137ME	16.65	34716.68
1498	4/11/2017	Riccelli	5600463	NY18651PB	24.83	34741.51
1499	4/11/2017	Riccelli	5600464	NY11422PC	29.37	34770.88

Table 5A
Waste Manifest Summary for Non-Hazardous Soil for Bloody Brook Remediation (2014-2017)
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1500	4/11/2017	Riccelli	5600465	NY18656PB	27.21	34798.09
1501	4/11/2017	Riccelli	5600466	NY20101MJ	22.14	34820.23
1502	4/11/2017	Riccelli	5600467	NY18651PB	27.33	34847.56
1503	4/11/2017	Riccelli	5600468	NY11422PC	27.61	34875.17
1504	4/11/2017	Riccelli	5600469	NY18656PB	25.50	34900.67
1505	4/11/2017	Riccelli	5600470	NY20101MJ	24.72	34925.39
1506	4/12/2017	Riccelli	5600471	NY18651PB	20.23	34945.62
1507	4/12/2017	Riccelli	5600472	NY18656PB	21.75	34967.37
1508	4/12/2017	Riccelli	5600473	NY10799PC	21.10	34988.47
1509	4/12/2017	Riccelli	5600474	NY20101MJ	21.58	35010.05
1510	4/12/2017	Riccelli	5600475	NY11422PC	26.58	35036.63
1511	4/12/2017	Riccelli	5600476	NY18656PB	24.67	35061.30
1512	4/12/2017	Riccelli	5600477	NY18651PB	20.92	35082.22
1513	4/13/2017	Riccelli	5600478	NY10799PC	20.61	35102.83
1514	4/12/2017	Riccelli	5600479	NY20101MJ	23.59	35126.42
1515	4/12/2017	Riccelli	5600480	NY11422PC	14.55	35140.97
1516	4/25/2017	Riccelli	5600481	NY19965MD	18.77	35159.74
1517	4/25/2017	Riccelli	5600482	NY19964MD	17.97	35177.71
1518	4/25/2017	Riccelli	5600483	AF93032	21.38	35199.09
1519	4/26/2017	Riccelli	5600484	NY19964MD	20.35	35219.44
1520	4/26/2017	Riccelli	5600485	NY19965MD	20.62	35240.06
1521	4/26/2017	Riccelli	5600486	NY19968MD	22.71	35262.77
1522	4/26/2017	Riccelli	5600487	NY19964MD	20.38	35283.15
1523	4/26/2017	Riccelli	5600488	NY19965MD	23.09	35306.24
1524	4/26/2017	Riccelli	5600489	NY19968MD	22.13	35328.37
1525	4/27/2017	Riccelli	5600490	NY19964MD	20.20	35348.57
1526	4/27/2017	Riccelli	5600491	NY19965MD	23.89	35372.46
1527	4/27/2017	Riccelli	5600492	NY19968MD	23.65	35396.11
1528	4/27/2017	Riccelli	5600493	AF91137	26.07	35422.18
1529	4/27/2017	Riccelli	5600494	NY19964MD	21.04	35443.22
1530	4/27/2017	Riccelli	5600495	NY19965MD	22.50	35465.72
1531	4/27/2017	Riccelli	5600496	NY19968MD	18.99	35484.71
1532	4/27/2017	Riccelli	5600497	AF91137	21.69	35506.40
1533	4/28/2017	Riccelli	5600498	19965MD	22.94	35529.34
1534	4/28/2017	Riccelli	5600499	19964MD	19.84	35549.18
1535	4/28/2017	Riccelli	5600500	48395MH	21.22	35570.40
1536	4/28/2017	Riccelli	5600501	AF91137	22.28	35592.68
1537	4/28/2017	Riccelli	5600502	19965MD	23.26	35615.94
1538	4/28/2017	Riccelli	5600503	19964MD	23.39	35639.33
1539	4/28/2017	Riccelli	5600504	48391MH	22.28	35661.61
1540	4/28/2017	Riccelli	5600505	48395MH	23.09	35684.70

Table 5A
Waste Manifest Summary for Non-Hazardous Soil for Bloody Brook Remediation (2014-2017)
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1541	4/28/2017	Riccelli	5600506	AF91137	25.24	35709.94
1542	5/1/2017	Riccelli	5600507	NY19965MD	23.05	35732.99
1543	5/1/2017	Riccelli	5600508	NY19964MD	21.07	35754.06
1544	5/1/2017	Riccelli	5600509	NY48395MH	23.80	35777.86
1545	5/1/2017	Riccelli	5600510	AF91137	24.92	35802.78
1546	5/1/2017	Riccelli	5600511	NY19961MD	20.23	35823.01
1547	5/1/2017	Riccelli	5600512	NY19965MD	24.22	35847.23
1548	5/1/2017	Riccelli	5600513	NY19964MD	22.15	35869.38
1549	5/1/2017	Riccelli	5600514	NY48395MH	23.94	35893.32
1550	5/1/2017	Riccelli	5600515	NY19961MD	24.23	35917.55
1551	5/1/2017	Riccelli	5600516	AF91137	24.92	35942.47
1552	5/4/2017	Riccelli	5600517	NY18656PB	22.00	35964.47
1553	5/4/2017	Riccelli	5600518	NY48813PC	23.70	35988.17
1554	5/4/2017	Riccelli	5600519	NY48395MH	21.94	36010.11
1555	5/4/2017	Riccelli	5600520	NY19961MD	19.38	36029.49
1556	5/4/2017	Riccelli	5600521	NY57494PC	26.33	36055.82
1557	5/4/2017	Riccelli	5600522	NY18656PB	19.77	36075.59
1558	5/4/2017	Riccelli	5600523	NY19961MD	18.62	36094.21
1559	5/4/2017	Riccelli	5600524	NY48813PC	22.56	36116.77
1560	5/4/2017	Riccelli	5600525	NY48395MH	21.99	36138.76
1561	5/4/2017	Riccelli	5600526	NY57494PC	19.27	36158.03
1562	5/8/2017	Riccelli	5600527	NY98774MG	22.93	36180.96
1563	5/8/2017	Riccelli	5600528	NY10799PC	21.43	36202.39
1564	5/8/2017	Riccelli	5600529	AF92499	21.01	36223.40
1565	5/8/2017	Riccelli	5600530	NY19965MD	20.81	36244.21
1566	5/8/2017	Riccelli	5600531	NY19964MD	21.19	36265.40
1567	5/8/2017	Riccelli	5600532	NY49877MG	22.77	36288.17
1568	5/8/2017	Riccelli	5600533	AF92499	27.50	36315.67
1569	5/8/2017	Riccelli	5600534	NY10799PC	18.35	36334.02
1570	5/8/2017	Riccelli	5600535	NY19965MD	23.36	36357.38
1571	5/8/2017	Riccelli	5600536	NY19964MD	22.02	36379.40
1572	5/9/2017	Riccelli	5600537	NY98774MG	22.33	36401.73
1573	5/9/2017	Riccelli	5600538	AF92499	26.80	36428.53
1574	5/9/2017	Riccelli	5600539	NY10799PC	24.11	36452.64
1575	5/9/2017	Riccelli	5600540	NY19965MD	26.28	36478.92
1576	5/9/2017	Riccelli	5600541	NY19964MD	22.58	36501.50
1577	5/9/2017	Riccelli	5600542	NY98774MG	24.48	36525.98
1578	5/9/2017	Riccelli	5600543	AF92499	25.57	36551.55
1579	5/9/2017	Riccelli	5600544	NY10799PC	23.49	36575.04
1580	5/9/2017	Riccelli	5600545	NY19965MD	22.71	36597.75
1581	5/9/2017	Riccelli	5600546	NY19964MD	22.89	36620.64

Table 5A
Waste Manifest Summary for Non-Hazardous Soil for Bloody Brook Remediation (2014-2017)
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1582	5/10/2017	Riccelli	5600547	AF92499	23.12	36643.76
1583	5/11/2017	Riccelli	5600548	NY48401MH	24.30	36668.06
1584	5/11/2017	Riccelli	5600549	NY48392MH	24.86	36692.92
1585	5/11/2017	Riccelli	5600550	NY48401MH	21.94	36714.86
1586	5/12/2017	Riccelli	5600551	NY48401MH	22.94	36737.80
1587	5/12/2017	Riccelli	5600552	NY48391MH	20.51	36758.31
1588	5/12/2017	Riccelli	5600553	NY48400MH	21.72	36780.03
1589	5/12/2017	Riccelli	5600554	NY48401MH	24.25	36804.28
1590	5/12/2017	Riccelli	5600555	NY98774MG	22.70	36826.98
1591	5/12/2017	Riccelli	5600556	NY48391MH	22.13	36849.11
1592	5/12/2017	Riccelli	5600557	NY48400MH	23.94	36873.05
1593	5/15/2017	Riccelli	5600558	NY48400MH	24.20	36897.25
1594	5/15/2017	Riccelli	5600559	NY48401MH	25.77	36923.02
1595	5/15/2017	Riccelli	3438822	NY48391MH	23.70	36946.72
1596	5/15/2017	Riccelli	3438823	NY48400MH	25.20	36971.92
1597	5/15/2017	Riccelli	3438824	NY48401MH	26.52	36998.44
1598	5/15/2017	Riccelli	3438839	NY48391MH	20.86	37019.30
1599	5/16/2017	Riccelli	3438825	NY48401MH	24.63	37043.93
1600	5/16/2017	Riccelli	3438826	NY48400MH	25.32	37069.25
1601	5/16/2017	Riccelli	3438827	NY48391MH	26.15	37095.40
1602	5/16/2017	Riccelli	3438828	NY46114PC	27.68	37123.08
1603	5/16/2017	Riccelli	3438829	NY10799PC	25.71	37148.79
1604	5/16/2017	Riccelli	3438830	NY48392MH	26.08	37174.87
1605	5/16/2017	Riccelli	3438831	NY48393MH	23.13	37198.00
1606	5/16/2017	Riccelli	3438832	NY48394MH	24.34	37222.34
1607	5/16/2017	Riccelli	3438833	NY48401MH	24.74	37247.08
1608	5/16/2017	Riccelli	3438834	NY48400MH	24.77	37271.85
1609	5/16/2017	Riccelli	3438835	NY51473PC	26.40	37298.25
1610	5/16/2017	Riccelli	3438836	NY48391MH	24.01	37322.26
1611	5/16/2017	Riccelli	3438837	NY46114PC	17.53	37339.79
Total Tons of Non Hazardous Soil Removed					**37,340**	

Table 5B
Waste Manifest Summary for Stabilized Soil for Bloody Brook Remediation (2014)
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1	8/13/2014	Riccelli	2702448	NY 13056PC	19.48	19.48
2	8/13/2014	Riccelli	2702449	NY 18657 PB	20.53	40.01
3	8/13/2014	Riccelli	2702450	-	17.53	57.54
4	8/13/2014	Riccelli	2702456	NY 19485PB	23.71	81.25
5	8/13/2014	Riccelli	2702452	NY 13056PC	25.44	106.69
6	8/14/2014	Riccelli	2702453	NY 16691PC	18.21	124.90
7	8/14/2014	Riccelli	2702454	NY 19485PB	19.35	144.25
8	8/14/2014	Riccelli	2702455	NY 18656PB	20.73	164.98
9	8/14/2014	Riccelli	2702459	NY 11981PC	22.84	187.82
10	8/14/2014	Riccelli	2702460	NY 13056PC	22.02	209.84
11	8/14/2014	Riccelli	2702462	NY 13070PC	18.26	228.10
12	8/15/2014	Riccelli	2702463	NY 16691PC	24.82	252.92
13	8/15/2014	Riccelli	2702465	NY 20049PC	23.45	276.37
14	8/15/2014	Riccelli	2702468	NY 13070PC	21.24	297.61
15	8/15/2014	Riccelli	2702469	NY 11981PC	20.92	318.53
16	8/15/2014	Riccelli	2702471	NY 13058PC	19.41	337.94
17	8/15/2014	Riccelli	2702473	NY 16691PC	21.14	359.08
18	8/15/2014	Riccelli	2702475	NY 13056PC	20.36	379.44
19	8/18/2014	Riccelli	2702476	NY13056PC	19.03	398.47
20	8/18/2014	Riccelli	2702477	NY18397PB	18.98	417.45
21	8/18/2014	Riccelli	2702478	NY13062PC	21.67	439.12
22	8/18/2014	Riccelli	2702479	NY18656PB	23.80	462.92
23	8/18/2014	Riccelli	2702480	NY13057PC	19.07	481.99
24	8/18/2014	Riccelli	2702481	NY13065PC	18.27	500.26
25	8/18/2014	Riccelli	2702482	NY13070PC	18.92	519.18
26	8/18/2014	Riccelli	2702483	NY19485PB	20.64	539.82
27	8/18/2014	Riccelli	2702484	NY11981PC	20.76	560.58
28	8/18/2014	Riccelli	2702485	NY18397PB	21.81	582.39
29	8/18/2014	Riccelli	2702486	NY13056PC	22.50	604.89
30	8/18/2014	Riccelli	2702487	NY13062PC	22.00	626.89
31	8/18/2014	Riccelli	2702488	NY18656PB	21.78	648.67
32	8/19/2014	Riccelli	2702492	NY13059PC	21.34	670.01
33	8/19/2014	Riccelli	2702493	NY18657PB	21.42	691.43
34	8/19/2014	Riccelli	2702494	NY13056PC	20.36	711.79
35	8/19/2014	Riccelli	2702495	NY13057PC	20.02	731.81
36	8/19/2014	Riccelli	2702496	NY13062PC	21.82	753.63
37	8/19/2014	Riccelli	2702497	NY18656PB	20.58	774.21
38	8/19/2014	Riccelli	2702498	NY13070PC	21.51	795.72
39	8/19/2014	Riccelli	2702499	NY19485PB	18.62	814.34
40	8/19/2014	Riccelli	2702500	NY18392PB	21.09	835.43
41	8/19/2014	Riccelli	2702501	NY11981PC	19.52	854.95
42	8/19/2014	Riccelli	2702491	NY13059PC	20.58	875.53
43	8/19/2014	Riccelli	2702490	NY18657PB	21.55	897.08
44	8/19/2014	Riccelli	2702489	NY13056PC	24.54	921.62
45	8/19/2014	Riccelli	2702502	NY13057PC	21.78	943.40
46	8/19/2014	Riccelli	2702503	NY13062PC	19.28	962.68
47	8/20/2014	Riccelli	2702504	NY13056PC	19.47	982.15
48	8/20/2014	Riccelli	2702505	NY13059PC	20.94	1003.09
49	8/20/2014	Riccelli	2702506	NY13892PB	18.44	1021.53
50	8/20/2014	Riccelli	2702507	NY13070PC	17.86	1039.39

Table 5B
Waste Manifest Summary for Stabilized Soil for Bloody Brook Remediation (2014)
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
51	8/20/2014	Riccelli	2702508	NY19485PB	19.76	1059.15
52	8/20/2014	Riccelli	2702509	NY13057PC	21.52	1080.67
53	8/20/2014	Riccelli	2702510	NY18657PB	20.59	1101.26
54	8/20/2014	Riccelli	2702511	NY13059PC	21.87	1123.13
55	8/20/2014	Riccelli	2702512	NY13056PC	21.86	1144.99
56	8/20/2014	Riccelli	2702513	NY18392PB	17.83	1162.82
57	8/21/2014	Riccelli	2702514	NY13059PC	21.07	1183.89
58	8/21/2014	Riccelli	2702515	NY13056PC	21.98	1205.87
59	8/21/2014	Riccelli	2702516	NY19964MD	22.96	1228.83
60	8/21/2014	Riccelli	2702517	NY13070PC	23.03	1251.86
61	8/21/2014	Riccelli	2702518	NY19485PB	21.41	1273.27
62	8/21/2014	Riccelli	2702519	NY18656PB	24.00	1297.27
63	8/21/2014	Riccelli	2702520	NY11981PC	20.67	1317.94
64	8/21/2014	Riccelli	2702521	NY18392PB	18.41	1336.35
65	8/21/2014	Riccelli	2702522	NY19964MD	20.69	1357.04
66	8/21/2014	Riccelli	2702523	NY13059PC	20.95	1377.99
67	8/21/2014	Riccelli	2702524	NY13056PC	24.24	1402.23
68	9/3/2014	Riccelli	2702528	NY3056PC	22.10	1424.33
69	9/3/2014	Riccelli	2702529	NY16691PC	21.33	1445.66
70	9/3/2014	Riccelli	2702530	NY13070PC	19.49	1465.15
71	9/3/2014	Riccelli	2702531	NY19485PB	16.53	1481.68
72	9/3/2014	Riccelli	2702532	NY10798PC	16.12	1497.80
73	9/3/2014	Riccelli	2702533	NY13062PC	16.99	1514.79
74	9/3/2014	Riccelli	2702534	NY18656PB	18.83	1533.62
75	9/3/2014	Riccelli	2702535	NY13061PC	18.01	1551.63
76	9/3/2014	Riccelli	2702536	NY13056PC	19.20	1570.83
77	9/3/2014	Riccelli	2728092	NY16691PC	19.49	1590.32
78	9/4/2014	Riccelli	2728093	NY13070OC	14.49	1604.81
79	9/4/2014	Riccelli	2728094	NY19485PB	16.72	1621.53
80	9/4/2014	Riccelli	2728095	NY13056PC	22.13	1643.66
81	9/4/2014	Riccelli	2728096	NY18656PB	19.14	1662.80
82	9/4/2014	Riccelli	2728097	NY13065PC	17.29	1680.09
83	9/4/2014	Riccelli	2728098	NY13061PC	20.01	1700.10
84	9/4/2014	Riccelli	2728099	NY18657PB	18.24	1718.34
85	9/4/2014	Riccelli	2728100	NY11419PC	16.21	1734.55
86	9/4/2014	Riccelli	2728102	NY12611PC	22.58	1757.13
87	9/4/2014	Riccelli	2728101	NY18392PB	16.99	1774.12
88	9/4/2014	Riccelli	2728103	NY13070PC	21.80	1795.92
89	9/4/2014	Riccelli	2728104	NY19485PB	21.54	1817.46
90	9/4/2014	Riccelli	2728105	NY18656PB	22.65	1840.11
91	9/4/2014	Riccelli	2728106	NY13065PC	22.21	1862.32
92	9/4/2014	Riccelli	2728107	NY13061PC	23.16	1885.48
93	9/4/2014	Riccelli	2728108	NY13056PC	22.65	1908.13
94	9/4/2014	Riccelli	2728109	NY18656B	23.43	1931.56
95	9/4/2014	Riccelli	2728110	NY11419PC	20.56	1952.12
96	9/8/2014	Riccelli	2728111	NY13065PC	19.93	1972.05
97	9/8/2014	Riccelli	2728112	NY13056PC	22.32	1994.37
98	9/8/2014	Riccelli	2728113	NY13070PC	18.94	2013.31
99	9/8/2014	Riccelli	2728114	NY19485PB	20.04	2033.35
100	9/8/2014	Riccelli	2728115	NY18651PB	20.45	2053.80

Table 5B
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Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
101	9/8/2014	Riccelli	2728116	NY11981PC	21.09	2074.89
102	9/8/2014	Riccelli	2728117	NY11419PC	20.16	2095.05
103	9/8/2014	Riccelli	2728118	NY13056PC	23.19	2118.24
104	9/8/2014	Riccelli	2728119	NY13056PC	20.76	2139.00
105	9/8/2014	Riccelli	2728120	NY13070PC	20.85	2159.85
106	9/8/2014	Riccelli	2728121	NY18651PB	20.95	2180.80
107	9/8/2014	Riccelli	2728122	NY11419PC	20.32	2201.12
108	9/8/2014	Riccelli	2728123	NY19485PB	20.67	2221.79
109	9/8/2014	Riccelli	2728124	NY11981PC	19.93	2241.72
110	9/9/2014	Riccelli	2728125	NY13070PC	18.34	2260.06
111	9/9/2014	Riccelli	2728126	NY10798PC	20.43	2280.49
112	9/9/2014	Riccelli	2728127	NY11420PC	20.82	2301.31
113	9/9/2014	Riccelli	2728128	NY11655PC	19.98	2321.29
114	9/9/2014	Riccelli	2728129	NY18651PB	21.43	2342.72
115	9/9/2014	Riccelli	2728130	NY13060PC	22.79	2365.51
116	9/9/2014	Riccelli	2728131	NY11419PC	18.25	2383.76
117	9/9/2014	Riccelli	2728132	NY19485PB	22.19	2405.95
118	9/9/2014	Riccelli	2728133	NY13070PC	21.47	2427.42
119	9/9/2014	Riccelli	2728134	NY 13070PC	21.10	2448.52
120	9/9/2014	Riccelli	2728135	NY11420PC	21.43	2469.95
121	9/9/2014	Riccelli	2728136	NY11655PC	22.47	2492.42
122	9/9/2014	Riccelli	2728137	NY18651PB	17.94	2510.36
123	9/9/2014	Riccelli	2728138	NY11419PC	19.10	2529.46
124	9/9/2014	Riccelli	2728139	NY13060PC	20.94	2550.40
125	9/10/2014	Riccelli	2728140	NY13070PC	15.10	2565.50
126	9/10/2014	Riccelli	2728141	NY19485PB	13.69	2579.19
127	9/10/2014	Riccelli	2728142	NY18651PB	14.84	2594.03
128	9/10/2014	Riccelli	2728143	NY13060PC	18.97	2613.00
129	9/10/2014	Riccelli	2728144	NY11980PC	16.73	2629.73
130	9/10/2014	Riccelli	2728145	NY86108PA	17.31	2647.04
131	9/10/2014	Riccelli	2728146	NY19961MD	20.51	2667.55
132	9/10/2014	Riccelli	2728147	NY19968MD	18.30	2685.85
133	9/10/2014	Riccelli	2128148	NY13070PC	22.95	2708.80
134	9/10/2014	Riccelli	2728149	NY19485PB	25.79	2734.59
135	9/10/2014	Riccelli	2728150	NY18651PB	21.32	2755.91
136	9/10/2014	Riccelli	2728151	NY13060PC	20.00	2775.91
137	9/16/2014	Riccelli	2728152	NY13070PC	17.19	2793.10
138	9/16/2014	Riccelli	2728153	NY18657PB	19.42	2812.52
139	9/16/2014	Riccelli	2728154	NY12611PC	18.14	2830.66
140	9/16/2014	Riccelli	2728155	NY18656PB	19.40	2850.06
141	9/16/2014	Riccelli	2728156	J2121JR	18.26	2868.32
142	9/16/2014	Riccelli	2728157	AF91137	17.97	2886.29
143	9/16/2014	Riccelli	2728158	NY18655PB	17.70	2903.99
144	9/16/2014	Riccelli	2728159	58089JZ	20.41	2924.40
145	9/16/2014	Riccelli	2728160	13070PC	17.97	2942.37
146	9/16/2014	Riccelli	2728161	18656PB	19.68	2962.05
147	9/16/2014	Riccelli	2728162	18657PB	20.39	2982.44
148	9/16/2014	Riccelli	2728163	12611PC	20.44	3002.88
149	9/16/2014	Riccelli	2728164	72121JR	17.31	3020.19
150	9/16/2014	Riccelli	2728165	AF91137	20.40	3040.59

Table 5B
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Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
151	9/16/2014	Riccelli	2728166	NY58089JZ	19.36	3059.95
152	9/16/2014	Riccelli	2728167	NY18655PB	17.92	3077.87
153	9/17/2014	Riccelli	2728168	NY13070PC	17.62	3095.49
154	9/17/2014	Riccelli	2728169	NY19845PB	19.87	3115.36
155	9/17/2014	Riccelli	2728170	NY19656PB	17.16	3132.52
156	9/17/2014	Riccelli	2728171	AF93032	20.40	3152.92
157	9/17/2014	Riccelli	2728172	NY58089JZ	18.50	3171.42
158	9/17/2014	Riccelli	2728173	AF91137	19.06	3190.48
159	9/17/2014	Riccelli	2728174	NY72121JR	18.07	3208.55
160	9/17/2014	Riccelli	2728175	NY14294PC	18.73	3227.28
161	9/17/2014	Riccelli	2728176	NY18655PB	20.45	3247.73
162	9/17/2014	Riccelli	2728177	NY13070PC	19.60	3267.33
163	9/17/2014	Riccelli	2728178	NY19485PB	17.95	3285.28
164	9/17/2014	Riccelli	2728179	NY18656PB	21.63	3306.91
165	9/17/2014	Riccelli	2728180	AF93032	21.39	3328.30
166	9/17/2014	Riccelli	2728181	NY58089JZ	18.54	3346.84
167	9/17/2014	Riccelli	2728182	AF91137	20.58	3367.42
168	9/17/2014	Riccelli	2728183	NY72121JR	19.51	3386.93
169	9/17/2014	Riccelli	2728184	NY14294PC	20.40	3407.33
170	9/18/2014	Riccelli	2728185	NY72121JR	13.82	3421.15
171	9/18/2014	Riccelli	2728186	NY58089JZ	13.39	3434.54
172	9/18/2014	Riccelli	2728187	NY14294PC	12.87	3447.41
173	9/18/2014	Riccelli	2728188	AF91137	15.24	3462.65
174	9/18/2014	Riccelli	2728189	NY72121JR	18.13	3480.78
175	9/18/2014	Riccelli	2728190	NY58089JZ	19.11	3499.89
176	9/18/2014	Riccelli	2728191	NY14294PC	17.27	3517.16
177	9/18/2014	Riccelli	2742804	AF91137	18.98	3536.14
178	9/19/2014	Riccelli	2742707	NY13056PC	20.92	3557.06
179	9/19/2014	Riccelli	2742708	14294PC	17.13	3574.19
180	9/19/2014	Riccelli	2742709	58089JZ	17.82	3592.01
181	9/19/2014	Riccelli	2742710	18655PB	18.02	3610.03
182	9/19/2014	Riccelli	2742711	AF91137	17.99	3628.02
183	9/19/2014	Riccelli	2742712	72121JR	19.11	3647.13
184	9/19/2014	Riccelli	2742713	13056PC	17.07	3664.20
185	9/19/2014	Riccelli	2742714	14294PC	14.48	3678.68
186	9/19/2014	Riccelli	2742715	58089JZ	16.25	3694.93
187	9/19/2014	Riccelli	2742716	72121JR	16.20	3711.13
188	9/19/2014	Riccelli	2742717	18655PB	17.10	3728.23
189	9/19/2014	Riccelli	2742718	AF91137	16.85	3745.08
190	9/22/2014	Riccelli	2742719	NY72121JR	18.76	3763.84
191	9/22/2014	Riccelli	2742720	NY14294PC	17.42	3781.26
192	9/22/2014	Riccelli	2742721	NY58089JZ	19.83	3801.09
193	9/22/2014	Riccelli	2742722	NY13061PC	17.88	3818.97
194	9/22/2014	Riccelli	2742723	NY13056PC	16.93	3835.90
195	9/22/2014	Riccelli	2742724	NY13057PC	15.60	3851.50
196	9/22/2014	Riccelli	2742725	NY58089JZ	17.24	3868.74
197	9/22/2014	Riccelli	2742726	NY14294PC	14.84	3883.58
198	9/23/2014	Riccelli	2742727	AF93032	18.89	3902.47
199	9/23/2014	Riccelli	2742728	NY18655PB	18.75	3921.22
200	9/23/2014	Riccelli	2742729	AF91137	17.97	3939.19

Table 5B
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Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
201	9/23/2014	Riccelli	2742730	NY16691PC	19.83	3959.02
202	9/23/2014	Riccelli	2742731	14294PC	17.97	3976.99
203	9/23/2014	Riccelli	2742732	58089JZ	17.35	3994.34
204	9/23/2014	Riccelli	2742733	AF93032	20.01	4014.35
205	9/23/2014	Riccelli	2742734	16691PC	19.59	4033.94
206	9/23/2014	Riccelli	2742735	AF91137	16.66	4050.60
207	9/23/2014	Riccelli	2742736	NY18655PB	16.56	4067.16
208	9/23/2014	Riccelli	2742737	NY14294PC	19.81	4086.97
209	9/23/2014	Riccelli	2742738	NY58089JZ	21.03	4108.00
210	9/24/2014	Riccelli	2742739	NY72121JR	17.31	4125.31
211	9/24/2014	Riccelli	2742740	AF91137	24.78	4150.09
212	9/24/2014	Riccelli	2742741	NY11981PC	17.67	4167.76
213	9/24/2014	Riccelli	2742742	AF93032	21.03	4188.79
214	9/24/2014	Riccelli	2742743	NY16691PC	17.97	4206.76
215	9/24/2014	Riccelli	2742744	NY18392PB	18.75	4225.51
216	9/24/2014	Riccelli	2742745	NY58089JZ	16.49	4242.00
217	9/24/2014	Riccelli	2742746	NY14294PC	18.78	4260.78
218	9/30/2014	Riccelli	2742747	AF93032	25.33	4286.11
219	9/30/2014	Riccelli	2742748	NY13070PC	20.66	4306.77
220	9/30/2014	Riccelli	2742749	NY19485PB	19.65	4326.42
221	9/30/2014	Riccelli	2742750	NY16691PC	19.17	4345.59
222	9/30/2014	Riccelli	2742751	NY13062PC	19.05	4364.64
223	9/30/2014	Riccelli	2742752	NY11981PC	18.31	4382.95
224	9/30/2014	Riccelli	2742753	NY12611PC	18.70	4401.65
225	9/30/2014	Riccelli	2742754	NY20049	19.92	4421.57
226	9/30/2014	Riccelli	2742755	NY18656PB	20.71	4442.28
227	9/30/2014	Riccelli	2742756	NY18657PB	19.57	4461.85
228	9/30/2014	Riccelli	2742757	NY49049MD	17.21	4479.06
229	9/30/2014	Riccelli	2742758	NY57824JZ	17.87	4496.93
230	9/30/2014	Riccelli	2742759	NY70995MA	18.68	4515.61
231	9/30/2014	Riccelli	2742760	NY13059PC	21.02	4536.63
232	10/2/2014	Riccelli	2742761	13065PC	22.11	4558.74
233	10/2/2014	Riccelli	2742762	18396PB	22.30	4581.04
234	10/2/2014	Riccelli	2742763	19485PB	20.49	4601.53
235	10/2/2014	Riccelli	2742764	18392PB	20.07	4621.60
236	10/2/2014	Riccelli	2742765	13057PC	17.74	4639.34
237	10/2/2014	Riccelli	2742766	19485PB	18.37	4657.71
238	10/2/2014	Riccelli	2742767	18396PB	18.97	4676.68
239	10/2/2014	Riccelli	2742768	18392PB	24.67	4701.35
240	10/10/2014	Riccelli	2742806	NY13070PC	21.48	4722.83
241	10/10/2014	Riccelli	2801414	NY19485PB	19.67	4742.50
242	10/10/2014	Riccelli	2801415	NY13057PC	20.16	4762.66
243	10/10/2014	Riccelli	2801416	NY12611PC	20.37	4783.03
244	10/10/2014	Riccelli	2801417	NY18396PB	21.37	4804.40
245	10/10/2014	Riccelli	2801418	NY18651PB	18.41	4822.81
246	10/10/2014	Riccelli	2801419	NY19485PB	21.34	4844.15
247	10/10/2014	Riccelli	2801420	NY13070PC	20.27	4864.42
248	10/10/2014	Riccelli	2801421	NY18396PB	21.05	4885.47
249	10/10/2014	Riccelli	2801422	NY12611PC	20.50	4905.97
250	10/10/2014	Riccelli	2801423	NY18651PB	20.37	4926.34

Table 5B
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Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
251	10/21/2014	Riccelli	2801447	NY13070PC	19.49	4945.83
252	10/21/2014	Riccelli	2801448	NY18399PB	18.54	4964.37
253	10/21/2014	Riccelli	2801449	NY18396PB	18.19	4982.56
254	10/21/2014	Riccelli	2801450	NY18651PB	20.36	5002.92
255	10/21/2014	Riccelli	2801451	NY12611PC	20.68	5023.60
256	10/21/2014	Riccelli	2801452	NY18392PB	20.34	5043.94
257	10/21/2014	Riccelli	2801453	NY13065PC	19.18	5063.12
258	10/21/2014	Riccelli	2801454	NY58089JZ	18.63	5081.75
259	10/21/2014	Riccelli	2801455	AF91137	21.18	5102.93
260	10/21/2014	Riccelli	2801456	86108PA	21.11	5124.04
261	10/21/2014	Riccelli	2801457	72121JR	18.36	5142.40
262	10/21/2014	Riccelli	2801458	13070PC	20.86	5163.26
263	10/21/2014	Riccelli	2801459	18399PB	17.50	5180.76
264	10/21/2014	Riccelli	2801460	18396PB	22.49	5203.25
265	11/6/2014	Riccelli	2801472	NY13057PC	20.12	5223.37
266	11/6/2014	Riccelli	2801475	NY13058PC	22.05	5245.42
267	11/6/2014	Riccelli	2801477	NY18392PB	23.44	5268.86
268	11/6/2014	Riccelli	2801479	NY58089JZ	20.08	5288.94
269	11/6/2014	Riccelli	2801480	NY14294PC	19.43	5308.37
270	11/6/2014	Riccelli	2801481	NY72121JR	20.47	5328.84
271	11/6/2014	Riccelli	2801482	AF91137	20.33	5349.17
272	11/6/2014	Riccelli	2801483	NY13069PC	19.51	5368.68
273	11/6/2014	Riccelli	2801484	NY18653PB	19.05	5387.73
274	11/6/2014	Riccelli	2801485	NY11981PC	18.23	5405.96
275	11/6/2014	Riccelli	2801486	NY18654PB	19.45	5425.41
276	11/6/2014	Riccelli	2801487	NY19485PB	19.67	5445.08
277	11/6/2014	Riccelli	2801488	NY57881JZ	19.53	5464.61
278	11/6/2014	Riccelli	2801489	NY18488PC	21.18	5485.79
279	11/6/2014	Riccelli	2801490	NY18658PB	20.11	5505.90
280	11/6/2014	Riccelli	2801491	NY13059PC	21.67	5527.57
281	11/6/2014	Riccelli	2801492	NY13065PC	21.66	5549.23
282	11/6/2014	Riccelli	2801493	NY13057PC	20.30	5569.53
283	11/6/2014	Riccelli	2801494	NY12611PC	18.31	5587.84
284	11/6/2014	Riccelli	2801495	NY13058PC	20.60	5608.44
285	11/6/2014	Riccelli	2801496	NY18392PB	20.34	5628.78
286	11/7/2014	Riccelli	2801497	NY18656PB	18.38	5647.16
287	11/7/2014	Riccelli	2801498	NY19485PB	21.68	5668.84
288	11/7/2014	Riccelli	2801499	NY18392PB	18.74	5687.58
289	11/7/2014	Riccelli	2801500	NY16691PC	23.51	5711.09
290	11/7/2014	Riccelli	2801501	NY13059PC	19.63	5730.72
291	11/7/2014	Riccelli	2801502	NY13057PC	20.72	5751.44
292	11/7/2014	Riccelli	2801503	NY12611PC	20.53	5771.97
293	11/7/2014	Riccelli	2801504	NY11981PC	22.13	5794.10
294	11/7/2014	Riccelli	2801505	NY13058PC	22.71	5816.81
295	11/7/2014	Riccelli	2801506	NY13065PC	19.86	5836.67
296	11/7/2014	Riccelli	2801507	NY72121JR	19.37	5856.04
297	11/7/2014	Riccelli	2801508	NY14294PC	20.76	5876.80
298	11/7/2014	Riccelli	2801509	AF91137	20.70	5897.50
299	11/7/2014	Riccelli	2801510	NY95056PB	18.83	5916.33
300	11/7/2014	Riccelli	2801511	NY58089JZ	19.60	5935.93

Table 5B
Waste Manifest Summary for Stabilized Soil for Bloody Brook Remediation (2014)
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
301	11/7/2014	Riccelli	2801512	NY19485PB	22.90	5958.83
302	11/7/2014	Riccelli	2801513	NY18392PB	22.56	5981.39
303	11/7/2014	Riccelli	2853393	NY18656PB	21.06	6002.45
304	11/7/2014	Riccelli	2853394	NY16691PC	21.38	6023.83
305	11/7/2014	Riccelli	2853395	NY13059PC	21.40	6045.23
306	11/7/2014	Riccelli	2853396	NY13057PC	20.93	6066.16
307	11/7/2014	Riccelli	2853397	NY12611PC	19.59	6085.75
308	11/7/2014	Riccelli	2853398	NY11981PC	21.52	6107.27
309	11/10/2014	Riccelli	2853399	NY19485PB	18.89	6126.16
310	11/10/2014	Riccelli	2853400	NY18656PB	22.76	6148.92
311	11/10/2014	Riccelli	2853401	NY16691PC	21.83	6170.75
312	11/10/2014	Riccelli	2853402	NY18657PB	25.14	6195.89
313	11/10/2014	Riccelli	2853403	NY13057PC	19.81	6215.70
314	11/10/2014	Riccelli	2853404	NY12611PC	28.68	6244.38
315	11/10/2014	Riccelli	2853405	NY11981PC	24.54	6268.92
316	11/10/2014	Riccelli	2853406	NY11982PC	24.32	6293.24
317	11/10/2014	Riccelli	2853407	NY13062PC	21.81	6315.05
318	11/10/2014	Riccelli	2853408	NY13065PC	23.40	6338.45
319	11/10/2014	Riccelli	2853409	NY13061PC	23.89	6362.34
320	11/10/2014	Riccelli	2853410	NY19485PB	22.49	6384.83
321	11/10/2014	Riccelli	2853411	NY18656PB	21.03	6405.86
322	11/10/2014	Riccelli	2853412	NY16691PC	22.63	6428.49
323	11/10/2014	Riccelli	2853413	NY18657PB	19.39	6447.88
324	11/10/2014	Riccelli	2853415	NY13057PC	19.04	6466.92
325	11/10/2014	Riccelli	2853414	NY12611PC	19.83	6486.75
326	11/10/2014	Riccelli	2853416	NY13062PC	18.40	6505.15
327	11/10/2014	Riccelli	2853417	NY11981PC	21.86	6527.01
328	11/10/2014	Riccelli	2853418	NY11982PC	19.32	6546.33
329	11/10/2014	Riccelli	2853419	NY13065PC	20.08	6566.41
330	11/10/2014	Riccelli	2853420	NY13061PC	23.18	6589.59
331	11/11/2014	Riccelli	2853421	NY18656PB	18.91	6608.50
332	11/11/2014	Riccelli	2853422	NY20049PC	19.19	6627.69
333	11/11/2014	Riccelli	2853423	NY13057PC	21.03	6648.72
334	11/11/2014	Riccelli	2853424	NY18657PB	19.43	6668.15
335	11/11/2014	Riccelli	2853425	NY16691PC	19.64	6687.79
336	11/11/2014	Riccelli	2853426	NY18396PB	19.97	6707.76
337	11/11/2014	Riccelli	2853427	NY13065PC	21.36	6729.12
338	11/11/2014	Riccelli	2853428	NY12611PC	21.56	6750.68
339	11/11/2014	Riccelli	2853429	NY11981PC	20.00	6770.68
340	11/11/2014	Riccelli	2853430	NY11982PC	23.48	6794.16
341	11/11/2014	Riccelli	2853431	NY13061PC	21.15	6815.31
342	11/11/2014	Riccelli	2853432	NY18656PB	22.79	6838.10
343	11/11/2014	Riccelli	2853433	NY20049PC	22.87	6860.97
344	11/11/2014	Riccelli	2853434	NY13057PC	20.02	6880.99
345	11/11/2014	Riccelli	2853435	NY18657PB	21.18	6902.17
346	11/11/2014	Riccelli	2853436	NY16691PC	19.46	6921.63
347	11/11/2014	Riccelli	2853437	NY18396PB	20.04	6941.67
348	11/11/2014	Riccelli	2853438	NY13065PC	20.31	6961.98
349	11/11/2014	Riccelli	2853439	NY12611PC	19.91	6981.89
350	11/11/2014	Riccelli	2853440	NY11981PC	22.17	7004.06

Table 5B
Waste Manifest Summary for Stabilized Soil for Bloody Brook Remediation (2014)
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
351	11/11/2014	Riccelli	2853441	NY11982PC	22.19	7026.25
352	11/11/2014	Riccelli	2853442	NY13061PC	20.00	7046.25
353	11/12/2014	Riccelli	2853443	NY19485PB	19.16	7065.41
354	11/12/2014	Riccelli	2853444	NY18656PB	19.94	7085.35
355	11/12/2014	Riccelli	2853445	NY16691PC	20.27	7105.62
356	11/12/2014	Riccelli	2853446	NY11420PC	21.81	7127.43
357	11/12/2014	Riccelli	2853447	NY18396PB	21.60	7149.03
358	11/12/2014	Riccelli	2853448	NY18657PB	22.30	7171.33
359	11/12/2014	Riccelli	2853449	NY13057PC	21.53	7192.86
360	11/12/2014	Riccelli	2853450	NY18651PB	22.37	7215.23
361	11/12/2014	Riccelli	2853451	NY13065PC	19.82	7235.05
362	11/12/2014	Riccelli	2853452	NY13060PC	20.77	7255.82
363	11/12/2014	Riccelli	2853453	NY11982PC	23.54	7279.36
364	11/12/2014	Riccelli	2853454	NY12611PC	20.12	7299.48
365	11/12/2014	Riccelli	2853455	NY13061PC	23.56	7323.04
366	11/12/2014	Riccelli	2853456	NY19485PB	21.16	7344.20
367	11/12/2014	Riccelli	2853457	NY18656PB	21.09	7365.29
368	11/12/2014	Riccelli	2853458	NY16691PC	19.68	7384.97
369	11/12/2014	Riccelli	2853459	NY18396PB	20.13	7405.10
370	11/12/2014	Riccelli	2853460	NY18657PB	22.47	7427.57
371	11/12/2014	Riccelli	2853461	NY13057PC	21.24	7448.81
372	11/12/2014	Riccelli	2853462	NY18657PB	21.70	7470.51
373	11/12/2014	Riccelli	2853463	NY13065PC	23.16	7493.67
374	11/12/2014	Riccelli	2853464	NY13060PC	23.10	7516.77
375	11/12/2014	Riccelli	2853465	NY12611PC	21.23	7538.00
376	11/12/2014	Riccelli	2853466	NY11982PC	21.43	7559.43
377	11/12/2014	Riccelli	2853467	NY13061PC	19.52	7578.95
378	11/20/2014	Riccelli	2882126	NY13070PC	20.29	7599.24
379	11/20/2014	Riccelli	2882127	NY18656PB	22.91	7622.15
380	11/20/2014	Riccelli	2882128	NY18392PB	22.46	7644.61
381	11/20/2014	Riccelli	2882129	NY20049PC	24.43	7669.04
382	11/20/2014	Riccelli	2882130	NY13059PC	21.91	7690.95
383	11/20/2014	Riccelli	2882131	NY13058PC	21.74	7712.69
384	11/20/2014	Riccelli	2882132	NY16691PC	24.41	7737.10
Total Tons of Stabilized Soil Removed					**7,737**	

Table 5C
Waste Manifest Summary for Stabilized Debris for Bloody Brook Remediation (2014)
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1	10/9/2014	Riccelli	23352	-	3.97	3.97
2	10/9/2014	Riccelli	23354	NY13057PC	4.12	8.09
3	10/9/2014	Riccelli	23358	NY18392PB	5.34	13.43
4	10/9/2014	Riccelli	23359	AF93032	5.57	19
5	10/9/2014	Riccelli	23360	NY18656PB	6.37	25.37
6	10/9/2014	Riccelli	23365	NY12611PC	3.84	29.21
7	10/9/2014	Riccelli	23361	NY13065PC	7.51	36.72
8	10/9/2014	Riccelli	23362	NY13057PC	8.42	45.14
Total Tons of Stabilized Debris Removed					**45**	

Table 5D
Waste Manifest Summary for Debris for Bloody Brook Remediation (2014)
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Load #	Ticket Date	Trucking Name	Manifest #	Truck/Trailer #	Quantity Removed (Tons)	Total Shipped Off Site (Tons)
1	8/12/2014	Riccelli	2702437	NY 13056PC	2.84	2.84
2	8/12/2014	Riccelli	2702438	-	3.24	6.08
3	8/12/2014	Riccelli	2702439	-	3.28	9.36
4	8/12/2014	Riccelli	2702440	NY 18657PB	3.86	13.22
5	8/12/2014	Riccelli	2702442	NY 11981PC	3.67	16.89
6	8/12/2014	Riccelli	2702441	NY 130356PC	3.39	20.28
7	8/12/2014	Riccelli	2702443	-	3.22	23.50
8	8/13/2014	Riccelli	2702444	-	3.16	26.66
9	8/13/2014	Riccelli	2702445	NY AF93032	4.14	30.80
10	8/13/2014	Riccelli	2702446	-	5.27	36.07
11	8/13/2014	Riccelli	2702447	-	5.36	41.43
12	8/14/2014	Riccelli	2702451	NY 130356PC	4.57	46.00
13	8/14/2014	Riccelli	2702457	NY 13070PC	5.16	51.16
14	8/14/2014	Riccelli	2702458	NY 13057PC	4.92	56.08
15	8/14/2014	Riccelli	2702461	NY 16691PC	6.88	62.96
16	8/15/2014	Riccelli	2702464	NY 13056PC	7.50	70.46
17	8/15/2014	Riccelli	2702466	NY 13057PC	4.63	75.09
18	8/15/2014	Riccelli	2702467	NY 19485PB	4.62	79.71
19	8/15/2014	Riccelli	2702470	NY 18656PB	5.93	85.64
20	8/15/2014	Riccelli	2702472	NY 10797PC	6.08	91.72
21	8/26/2014	Riccelli	2702525	13036PC	6.04	97.76
22	8/26/2014	Riccelli	2702526	AF93032	7.23	104.99
23	8/26/2014	Riccelli	2702527	130356PC	7.39	112.38
Total Tons of Debris Removed					**112**	

Table 6A
Post-Remediation Soil Cadmium Concentrations Remaining on Site
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-01-01	G9	0' - 1'	5/2/2011	0.15 J	Sandy silt, organics and wood
		1' - 2'		0.059 J [0.19 J]	Sandy silt
		2' - 3'		0.11 J	Sandy silt
		3' - 4'		0.047 J	Sandy silt
		4' - 5'		0.11 J	Sandy silt
		5' - 6'		0.060 J	Sandy silt
		6' - 7'		0.19 J	Silty sand with little clay, Sandy silt with organics at 6'-8"
		7' - 8'		0.079 J	Silt with little clay
		8' - 9'		3.1	Grades to fine sand, little silt, silt with organics at 8'-10"
		9' - 10'		2,450	Organics with some silt, trace sand, trace clay
		10' - 11'		2.6	Grades to fine sand with white crystals, little silt
		11' - 12'		0.49 B	Medium to fine sand
		12' - 13'		13.8	Medium to fine sand
DI-01-02	G9	8' - 9'	4/27/2011	0.40	Silty clay
		9' - 10'		0.12 J	Silty clay
		10' - 11'		0.26	Sandy silt, little clay at 10'-2"
		11' - 12'		12.9	Sandy silt, little clay, organics
		12' - 13'		1.1	Silty clay
		13' - 14'		2.8	Silty clay
		14' - 15'		18.8	Silty clay, organics
DI-02-01	E9	2' - 3'	4/27/2011	0.21 J	Clayey silt, silty clay
		3' - 4'		0.13 J	Clayey silt, sandy silt
		4' - 5'		0.16 J	Sandy silt, clayey silt
		5' - 6'		1.1	Clayey silt, sandy silt, silt
		6' - 7'		2.9	Sandy silt, silt, clayey silt
		7' - 8'		0.49	Silty clay, clay, sandy silt, silty sand, organics
		8' - 9'		0.47 B	Till
		9' - 10'		0.27 B	Till
DI-02-02	E9	0' - 1'	4/27/2011	0.80	Clayey silt, silt
		1' - 2'		0.070 J	Clayey silt
DI-03-01	D12	0' - 1'	4/27/2011	0.45 B	Silt, little fine sand, trace clay
		1' - 2'		<0.26 U	Silt, little fine sand, trace clay
		2' - 3'		<0.25 U	Silt, little fine sand, trace clay
		3' - 4'		<0.24 U	Clayey silt
		4' - 5'		<0.23 U	Clayey silt
		5' - 6'		<0.25 U	Clayey silt
		6' - 7'		<0.26 U	Clayey silt
		7' - 8'		0.096 J	Clayey silt
DI-03-02	C12	0' - 1'	4/27/2011	0.23 J	Silt with little fine sand, trace gravel
		1' - 2'		0.17 J	Silt, trace clay
		2' - 3'		0.15 J	Silt, trace clay
		3' - 4'		0.16 J	Silt, some clay
		4' - 5'		0.25 J	Silty clay
		5' - 6'		<0.25 U	Silty clay
		6' - 7'		<0.23 U	Silty clay
		7' - 8'		<0.24 U	Silty clay
		8' - 9'		<0.22 U	Silt

Table 6A
Post-Remediation Soil Cadmium Concentrations Remaining on Site
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-03-03	C12	0' - 1'	4/27/2011	0.18 J	Sandy gravel, organics, little silt
		1' - 2'		0.067 J	Medium to fine sand with little silt, trace gravel
		2' - 3'		0.068 J	Silty clay
		3' - 4'		<0.24	Silty clay
		4' - 5'		0.057 J	Medium to fine sand with trace gravel, trace silt
		5' - 6'		0.048 J	Silty clay, trace gravel at 5'-7"
		6' - 7'		0.084 J	Clayey silt
		7' - 8'		0.063 J	Clayey silt
		8' - 9'		1.3	Clay with some silt
		9' - 10'		170	Clay with some silt
DI-03-04	C12	0' - 1'	4/27/2011	0.28	Sandy gravel, trace silt, organics
		1' - 2'		0.23	Sandy gravel, some silt
		2' - 3'		0.31	Coarse to fine sand, trace gravel, trace silt
		3' - 4'		0.25	Coarse to fine sand, trace gravel, trace silt
		4' - 5'		0.13 J	Sandy gravel, trace silt
		5' - 6'		0.29	Clayey silt and debris at 5'-7"
DI-03-05	C12	0' - 1'	4/27/2011	0.33	Medium gravel, coarse to fine sand, trace silt
		1' - 2'		0.30	Medium gravel, coarse to fine sand, trace silt
		2' - 3'		0.27	Medium gravel, coarse to fine sand, trace silt
		3' - 4'		0.31	Medium gravel, coarse to fine sand, some silt
		4' - 5'		0.11 J	Medium gravel, coarse to fine sand, some silt
		5' - 6'		0.12 J	Silt, fine sand, trace clay
		6' - 7'		0.15 J	Silt, fine sand, trace clay
		7' - 8'		0.14 J	Silt, fine sand, trace clay
		8' - 9'		0.074 J	Fine to coarse sand, trace silt at 8'-3"
		9' - 10'		0.15 J	Sandy gravel, little silt, Silty sand at 9'-8"
		10' - 11'		267	Silty clay with organics
		11' - 12'		5.9	Silty clay with organics, strong odor
DI-17-01	D13	0' - 1'	5/2/2011	0.43	Silty sand, sandy silt, roots
		1' - 2'		0.15 J	Sandy silt, clayey silt
		2' - 3'		0.057 J	Sandy silt
		3' - 4'		0.048 J	Sandy silt, clayey silt
		4' - 5'		0.090 J	Silt, sandy silt
		5' - 6'		161	Silt, clayey silt, organics
		6' - 7'		0.38 B	Sandy silt
		7' - 8'		<0.31 U	Sandy silt, silt
		8' - 9'		0.46 B	Sandy silt, clayey silt
DI-17-02	D13	4' - 5'	5/2/2011	0.33	Sandy silt
		5' - 6'		1.2	Sandy silt with little clay
		6' - 7'		0.37	Clayey silt with little fine sand
DI-19-01	E4	2' - 3'	5/3/2011	14.9 B	Sandy silt, silt, clayey silt, gravel
		3' - 4'		1.0 B	Sandy silt, gravels, clayey silt
DI-19-02	E4	2' - 3'	5/3/2011	2.6	Sandy silt, silt
		3' - 4'		2.9	Sandy silt, clayey silt, silt
DI-20-01	F5	2' - 3'	5/3/2011	2.6 B	Sandy silt, silt, roots
		3' - 4'		0.52 B	Clayey silt, sandy silt, silt, gravel
DI-21-01	F9	0' - 1'	4/29/2011	0.83	Silty sand, organics
		1' - 2'		0.33	Silty sand, organics
		2' - 3'		0.097 J	Silty sand
		3' - 4'		0.042 J	Silty sand

Table 6A
Post-Remediation Soil Cadmium Concentrations Remaining on Site
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-22-01	F10	0' - 1'	4/29/2011	0.73	Silty sand, trace clay
		1' - 2'		0.19 J	Sandy silt, silty sand
		2' - 3'		0.14 J	Sandy silt, silty sand
		3' - 4'		0.074 J	Sandy silt, silty sand
DI-23-01	D11	2' - 3'	4/27/2011	<0.21 U	Silty clay, clay
		3' - 4'		0.64 B	Silty clay, clay
DI-23-02	D11	0' - 1'	4/27/2011	0.30	Clayey silt, silty clay
		1' - 2'		0.086 J	Clayey silt, sandy silt
DI-24-01	D11	0' - 1'	4/26/2011	0.76	Silty sand, trace clay
		1' - 2'		0.15 J	Silt, little fine sand, trace clay
		2' - 3'		0.17 J	Clayey silt with some fine sand
		3' - 4'		0.18 J	Clayey silt with some fine sand
DI-25-01	D12	0' - 1'	4/26/2011	0.30	Sandy silt, trace clay
		1' - 2'		0.13 J [0.17 J]	Sandy silt, trace clay
		2' - 3'		0.052 J	Clayey silt, some fine sand
		3' - 4'		0.11 J	Clayey silt, some fine sand, decrease in fine sand
DI-26-01	D12	2' - 3'	4/28/2011	74.2 J [9.2 J]	Sandy silt, silty clay, gravel (fill)
		3' - 4'		129	Clayey silt, sandy silt, silt
DI-26-02	D12	0' - 1'	4/28/2011	0.66	Fine sand, little silt
		1' - 2'		0.13 J	Silty sand
		2' - 3'		0.098 J	Silty sand
		3' - 4'		0.13 J	Sandy silt
DI-27-01	D13	0' - 1'	4/28/2011	0.61	Clayey silt, sandy silt, silt
		1' - 2'		0.074 J	Sandy silt, silty sand
		2' - 3'		0.29	Sandy silt, clayey silt
		3' - 4'		0.12 J	Sandy silt, clayey silt, silty clay
DI-28-01	C13	0' - 1'	4/26/2011	0.16 J	Silty clay
		1' - 2'		0.083 J	Clay, silty clay
		2' - 3'		0.039 J	Clay, silty clay
		3' - 4'		0.043 J [<0.26]	Clay
DI-29-01	C14	0' - 1'	4/26/2011	0.23 J	Silt, clayey silt
		1' - 2'		0.18 J	Silty clay, clay
		2' - 3'		0.24	Silty clay, clay
		3' - 4'		0.11 J	Clay, silty clay, trace sandy silt
DI-30-01	D14	0' - 1'	4/28/2011	1.0	Clayey silt, sandy silt, silty sand
		1' - 2'		0.89	Sandy silt, silty sand
		2' - 3'		0.32	Sandy silt, silty sand, clayey silt
		3' - 4'		0.11 J [0.17 J]	Sandy silt, silty sand, clayey silt
DI-31-01	C15	0' - 1'	4/28/2011	0.19 J	Clayey silt, silt
		1' - 2'		0.22 J	Clayey silt, silty clay
		2' - 3'		0.13 J	Silty clay, clay
		3' - 4'		0.15 J	Silty clay, clay
DI-40-01	C3	0' - 1'	8/25/2011	1.3	Fine sand, little silt, organics to 6" then fine sand, trace silt
		1' - 2'		0.15 J	Fine sand, trace silt
		2' - 3'		0.12 J [0.21]	Fine sand, trace silt
		3' - 4'		0.13 J	Fine sand, trace silt
DI-41-01	G5	0' - 1'	5/2/2011	1.1	Clayey silt, silt, sandy silt
		1' - 2'		0.19 J	Clayey silt, sandy silt, silt
		2' - 3'		0.19 J	Sandy silt, silt, clayey silt
		3' - 4'		0.65	Sandy silt, clayey silt, silty clay, gravel

Table 6A
Post-Remediation Soil Cadmium Concentrations Remaining on Site
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-42-01	H9	0' - 1'	8/24/2011	0.31 [0.47]	Fine to medium sand, some silt
		1' - 2'		0.20 J	Fine to medium sand, some silt
		2' - 3'		0.063 J	Fine to medium sand, some silt
		3' - 4'		0.075 J	Fine to medium sand, some silt, trace clay
DI-43-01	C16	2' - 3'	4/28/2011	0.24 J	Silty clay
		3' - 4'		0.24 J	Silty clay
DI-43-02	C16	0' - 1'	4/28/2011	0.35	Clayey silt, silty sand
		1' - 2'		0.23 J	Silty clay
DI-44-01	D15	0' - 1'	4/28/2011	0.37	Silt, fine sand with some silt at 3"
		1' - 2'		0.50	Silty sand
		2' - 3'		0.19 J	Sandy silt
		3' - 4'		0.22 J	Sandy silt
DI-51-01	E8	0' - 1'	4/27/2011	3.8 B	Clayey silt, silt
		1' - 2'		<0.26 U	Clayey silt
		2' - 3'		<0.24 U	Clayey silt, sandy silt, silty clay
		3' - 4'		2.0 B	Sandy silt
DI-51-02	E8	0' - 1'	4/27/2011	0.53	Clayey silt
		1' - 2'		0.13 J	Clayey silt, silt
DI-52-01	H7	0' - 1'	8/25/2011	0.042 J	Fine sand, trace silt, wet
		1' - 2'		0.059 J	Fine sand, trace silt, wet
		2' - 3'		0.059 J	Gravelly sand
		3' - 4'		0.054 J	Gravelly sand
DI-53-01	I7	0' - 1'	4/29/2011	2.5	Sandy silt, organics, trace clay
		1' - 2'		1.3 J [0.39 J]	Sandy silt, organics, trace clay
		2' - 3'		0.39	Sandy silt, organics, trace clay
		3' - 4'		0.13 J	Sandy silt, organics, trace clay
DI-53-02	I7	0' - 1'	4/29/2011	0.83	Clayey silt, sandy silt, silt, organics
		1' - 2'		2.1	Sandy silt, silt, organics
DI-54-01	H9	0' - 1'	8/25/2011	0.18 J [0.15 J]	Fine sand, trace silt & organics
		1' - 2'		0.11 J	Fine sand, trace silt & organics
		2' - 3'		0.094 J	Fine sand, trace silt & organics
		3' - 4'		0.096 J	Fine sand, trace silt & organics
DI-60-01	G6	0' - 1'	5/2/2011	<0.24 U	Clayey silt, silt, roots
		1' - 2'		<0.24 U [<0.25 U]	Clayey silt, sandy silt
		2' - 3'		<0.30 U	Sandy silt, fine to coarse gravel
		3' - 4'		<0.30 U	Sandy silt, clay, silt, fine to coarse gravel
DI-61-01	H7	0' - 1'	5/2/2011	1.1	Silty clay, clayey silt, roots
		1' - 2'		0.20 J	Clayey silt, sandy silt, gravel, roots
		2' - 3'		0.099 J	Sandy silt, clayey silt, silty clay, gravel
		3' - 4'		<0.24 U	Sandy silt, clayey silt, silty clay, gravel
DI-SB-01-05	D10	0' - 1'	5/2/2011	4.0	Silty sand, organics, trace gravel
		1' - 2'		0.24	Silt, little clay, little fine sand
		2' - 3'		0.23	Silt
		3' - 4'		<0.26 U	Sandy silt, fine sand with trace clay at 3'-10"
		4' - 5'		0.20 J	Silt with some fine sand, little clay
		5' - 6'		0.26	Silty sand
		6' - 7'		0.14 J	Silty sand
		7' - 8'		0.16 J	Silty sand
		8' - 9'		0.19 J	Silt with little clay, organic silt at 8'-8"
		9' - 10'		0.45	Organic silt

Table 6A
Post-Remediation Soil Cadmium Concentrations Remaining on Site
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-SB-03-05	D14	0' - 1'	5/2/2011	0.091 J	Silty sand, organics
		1' - 2'		<0.25	Silty sand
		2' - 3'		0.058 J	Silty sand
		3' - 4'		0.069 J	Silty sand
		4' - 5'		0.077 J [0.12 J]	Grades to Clayey silt, little fine sand
		5' - 6'		0.065 J	Clayey silt
		6' - 7'		0.12 J	Clayey silt
		7' - 8'		0.13 J	Clayey silt, organics
		8' - 9'		0.25	Silty clay
		9' - 10'		<0.26	Silty clay
OCDDS-10	E7	0" - 6"	10/1996	0.4	---
		0" - 6"		<0.025	---
Pre-SS-P1	F7	---	4/17/1997	1.3	---
		---		<0.026	---
Post-SS-P1	F7	---	5/15/1997	0.14	---
		---		<0.026	---
SA-SB-01-01	D10	2' - 3'	10/20/2003	<0.59	Clayey Sand
		3' - 4'		<0.58	Clayey Sand
		4' - 5'		442	Organic Silt/Sand
		5' - 6'		0.86	Organic Silt/Sand to Clayey Sand
		6' - 7'		4.3	Clayey Sand
SA-SB-01-02	D10	0' - 1'	10/20/2003	1.87	Sand
		1' - 2'		<0.593	Sand
		2' - 3'		<0.581	Sand
		3' - 4'		<0.574	Sand
		4' - 5'		<0.583	Sand
		5' - 6'		431	Sand to Organic Silt/Sand
		6' - 7'		46.1	Organic Silt/Sand
		7' - 8'		<0.670	Clayey Sand
SA-SB-01-03	D10	0' - 1'	10/20/2003	2.64	Topsoil
		1' - 2'		6.48 [3.86]	Silty Sand
		2' - 3'		<0.611	Silty Sand
		3' - 4'		<0.58	Silty Sand
		4' - 5'		<0.592	Silty Sand
		5' - 6'		<0.60	Silty Sand
		6' - 7'		401	Organic Silt/Sand
		7' - 8'		52.1	Organic Silt/Sand to Silty Clay
		8' - 9'		<0.668	Silty Clay
SA-SB-01-04	D10	0' - 1'	10/20/2003	1.36	Sand
		1' - 2'		<0.597	Silty Sand
		2' - 3'		<0.623	Silty Sand to Silty Clay
		3' - 4'		<0.590 [<0.593]	Silty Clay
		4' - 5'		<0.589	Silty Sand
		5' - 6'		<0.597	Silty Sand
		6' - 7'		<0.608	Silty Sand
		7' - 8'		<0.608	Silty Sand
		8' - 9'		79.1	Silty Sand to Organic Silt/Sand
		9' - 10'		0.85	Organic Silt/Sand to Clay

Table 6A
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NYS Thruway to Brookview Lane
Bloody Brook Site
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Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SA-SB-02-01	E11	0' - 1'	10/24/2003	1.4	Silty Sand
		1' - 2'		<0.55 [1.4]	Silty Sand
		2' - 3'		<0.55	Silty Sand
		3' - 4'		<0.54	Silty Sand
		4' - 5'		1.6	Silty Sand
		5' - 6'		322	Organic Silt/Sand
		6' - 7'		<0.7	Organic Silt/Sand
		7' - 8'		<0.59	Sandy Clay
		8' - 9'		<0.61	Sand to Silty Clay
		9' - 10'		<0.65	Silty Clay to Organic Silt/Sand
		10' - 11'		<0.68	Organic Silt/Sand/ Gravel
		11' - 12'		<0.57	Silty Clay
SA-SB-02-02	E11	0' - 1'	10/21/2003	0.761	Silty Sand
		1' - 2'		<0.552	Silty Sand
		2' - 3'		<0.577	Silty Sand
		3' - 4'		<0.559	Silty Sand
		4' - 5'		<0.577	Silty Sand
		5' - 6'		<0.611	Silty Sand
		6' - 7'		282	Silty Sand to Organic Silt/Sand
		7' - 8'		144	Organic Silt/Sand
		8' - 9'		121	Organic Silt/Sand
		9' - 10'		6.6	Organic Silt/Sand to Silty Clay
		10' - 11'		<0.62	Silty Clay
		11' - 12'		<0.632	Silty Clay
SA-SB-02-03	E11	0' - 1'	10/21/2003	<0.621	Silty Sand
		1' - 2'		<0.568	Silty Sand
		2' - 3'		<0.571	Silty Sand
		3' - 4'		<0.578	Silty Sand
		4' - 5'		<0.568	Silty Sand
		5' - 6'		<0.590	Silty Sand
		6' - 7'		<0.585	Silty Sand
		7' - 8'		0.682	Organic Silt/Sand
		8' - 9'		39.2	Silty Sand
		9' - 10'		<0.678	Organic Silt/Sand
		10' - 11'		13.6	Organic Silt/Sand to Clayey Silt
		11' - 12'		<0.668	Clayey Silt to Silty Clay
		12' - 13'		<0.613	Silty Clay
SA-SB-02-04	E11	0' - 1'	10/21/2003	<0.659	Silty Sand
		1' - 2'		<0.602	Silty Sand
		2' - 3'		<0.588	Silty Sand to Sand
		3' - 4'		<0.550	Sand
		4' - 5'		<0.590	Sand
		5' - 6'		<0.564	Sand
		6' - 7'		<0.566	Sand
		7' - 8'		<0.578	Sand
		8' - 9'		<0.584	Sand
		9' - 10'		<0.610	Organic Silt/Sand
		10' - 11'		<0.621	Silt/Sand
		11' - 12'		<0.629 [<0.620]	Silt/Sand
		12' - 13'		<0.636	Silt/Sand
		13' - 14'		98.4	Silt/Sand to Organic Silt/Sand

Table 6A
Post-Remediation Soil Cadmium Concentrations Remaining on Site
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
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Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SA-SB-03-01	D14	2' - 3'	10/21/2003	2.8	Silty Sand
		3' - 4'		153	Silty Sand to Organic Silt/Sand
		4' - 5'		372	Organic Silt/Sand
		5' - 6'		1.8	Clayey Sand to Sand
SA-SB-03-02	D14	2' - 3'	10/21/2003	<0.605	Silty Sand
		3' - 4'		<0.608	Silty Sand
		4' - 5'		142	Organic Silt/Sand
		5' - 6'		36.6	Organic Silt/Sand
		6' - 7'		3.58	Organic Silt/Sand
		7' - 8'		<0.726	Organic Silt/Sand
SA-SB-03-03	D14	0' - 1'	10/21/2003	<0.638	Silty Sand
		1' - 2'		<0.583 [<0.582]	Silty Sand
		2' - 3'		<0.604	Silty Sand
		3' - 4'		<0.633	Silty Sand
		4' - 5'		<0.661	Silty Sand
		5' - 6'		34.8	Silty Sand to Organic Silt/Sand
		6' - 7'		14.1	Organic Silt/Sand
		7' - 8'		<0.707	Organic Silt/Sand to Organic Silty Clay
		8' - 9'		<0.677	Organic Silty Clay
SA-SB-03-04	D14	0' - 1'	10/21/2003	<0.629	Silty Sand
		1' - 2'		<0.600	Silty Sand
		2' - 3'		<0.590 [<0.590]	Silty Sand
		3' - 4'		<0.578	Silty Sand
		4' - 5'		<0.605	Silty Sand
		5' - 6'		<0.610	Silty Sand
		6' - 7'		<0.622	Silty Sand
		7' - 8'		19.0	Silty Sand to Organic Sandy Silt
		8' - 9'		<0.749	Organic Sandy Silt to Silty Clay
		9' - 10'		1.61	Silty Sand
SA-SB-04-01	C15	0' - 1'	10/20/2003	<0.613	Silty Sand
		1' - 2'		<0.589	Silty Sand
		2' - 3'		<0.566	Silty Sand
		3' - 4'		<0.572	Silty Sand
		4' - 5'		<0.573	Clay/Silt
		5' - 6'		<0.610	Clay/Silt
		6' - 7'		<0.583	Clay/Silt
		7' - 8'		<0.629	Clay/Silt
		8' - 9'		7.84	Clay/Silt
		9' - 10'		<0.671	Organic Silt/Sand
		10' - 11'		3.73	Clay
SA-SB-04-02	C15	0' - 1'	10/20/2003	<0.597	Silty Sand
		1' - 2'		<0.602	Silty Sand
		2' - 3'		<0.586	Silty Sand
		3' - 4'		<0.602	Silty Sand
		4' - 5'		<0.573	Silty Sand to Sand
		5' - 6'		<0.613 [<0.595]	Sand to Silty Sand
		6' - 7'		139	Silty Clay to Organic Clayey Silt
		7' - 8'		1.73	Organic Silt/Sand
		8' - 9'		11.9	Organic Silt/Sand

Table 6A
Post-Remediation Soil Cadmium Concentrations Remaining on Site
NYS Thruway to Brookview Lane
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Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SA-SB-04-03	C15	0' - 1'	10/20/2003	2.17	Silty Sand
		1' - 2'		<0.588	Silty Sand
		2' - 3'		<0.561	Silty Sand
		3' - 4'		<0.617	Silty Sand
		4' - 5'		<0.603	Silty Sand
		5' - 6'		<0.635	Silty Sand
		6' - 7'		1,920	Silty Sand to Organic Silt/Sand
		7' - 8'		199	Organic Silt/Sand
SA-SB-04-04	C15	2' - 3'	10/20/2003	<0.56	Sandy Silt
		3' - 4'		<0.59	Silty Sand
		4' - 5'		<0.58	Silty Sand
		5' - 6'		84.7	Silty Sand to Organic Silt/Sand
		6' - 7'		112	Organic Silt/Sand
		7' - 8'		456	Silty Sand
SB-51	E4	2' - 3'	11/2002	4.9	Sandy Silt
		3' - 4'		7.2	Sandy Silt
SB-52	G7	2' - 3'	11/2002	1.8	Clayey Silt
		3' - 4'		<0.67	Clayey Silt
SB-53	F8	0' - 1'	11/2002	<0.61	Topsoil
		1' - 2'		<0.58	Sandy Silt
		2' - 3'		<0.56	Sandy Silt
		3' - 4'		<0.55	Sandy Silt
SB-60	C15	2' - 3'	11/2002	4.5	Clayey Silt
		3' - 4'		139	Clayey Silt/Peat
SB-201	E8	0' - 1'	11/2002	<0.61	Sandy Silt
		1' - 2'		<0.58	Sandy Silt
		2' - 3'		<0.55	Sandy Silt
		3' - 4'		<0.56	Sand
SB-202	E10	2' - 3'	11/2002	8.7	Sandy Silt
		3' - 4'		2,330	Sandy Silt/Peat
SB-203	D12	0' - 1'	11/2002	6.1	Silty Sand
		1' - 2'		<0.58	Silty Sand
		2' - 3'		2.0	Silty Sand
		3' - 4'		353	Silty Sand
SB-204	D12	2' - 3'	11/2002	80.4	Silty Sand
		3' - 4'		219	Silty Sand/Peat
SB-205	D13	2' - 3'	11/2002	148	Fill/Sandy Silt
		3' - 4'		291	Sandy Silt/Peat
SB-206	C14	2' - 3'	11/2002	79.8	Sandy Silt/Peat
		3' - 4'		82.6	Peat
SB-207	D15	2' - 3'	11/2002	71.4	Sandy Silt
		3' - 4'		125	Silty Sand
SB-217	C1	2' - 3'	10/29/2003	0.68	Sandy Silt
		3' - 4'		<0.65	Clayey Silt
		4' - 5'		<0.53	Till
SB-218	D1	0' - 1'	10/29/2003	0.76	Silty Sand
		1' - 2'		<0.60	Silty Sand
		2' - 3'		<0.60	Fill
		3' - 4'		<0.67	Fill to Organic Silt Sand to Silt/Sand/ Gravel
		4' - 5'		<0.63	Silt/Sand/ Gravel
		5' - 6'		<0.56	Silt/Sand/ Gravel/Peat
		6' - 7'		<0.55	Till
SB-219	D4	5' - 6'	10/30/2003	<0.54	Till

Table 6A
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Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-220	E4	0' - 1'	10/30/2003	<0.60	Silty Sand
		1' - 2'		<0.57	Silty Sand
		2' - 3'		<0.56	Silty Sand
		3' - 4'		<0.58	Silty Sand
		4' - 5'		<0.54	Silt/Sand/ Gravel/Cobble
		5' - 6'		<0.56	Silt/Sand/ Gravel/Cobble
		6' - 7'		<0.54	Silt/Sand/ Gravel/Cobble
		7' - 8'		<0.56	Silt/Sand/ Gravel/Cobble
SB-221	E5	3' - 4'	10/28/2003	13.3	Sandy Silt to Till
		4' - 5'		<0.56	Till
SB-222	E4	2' - 3'	10/28/2003	1.3	Silty Sand
		3' - 4'		0.65	Organic Silt/Sand
		4' - 5'		8.1	Organic Silt/Sand
		5' - 6'		<0.53	Till
SB-223	F5	2' - 3'	10/28/2003	7.5	Organic Silt/Sand
		3' - 4'		2.5 [2.8]	Organic Silt/Sand
		4' - 5'		26.6	Till
		5' - 6'		<0.55	Till
		6' - 7'		<0.533	Till
		7' - 8'		<0.545	Till
SB-224	F5	4' - 5'	10/28/2003	17.5	Till
		5' - 6'		<0.54	Till
		6' - 7'		<0.546	Till
SB-225	G7	5' - 6'	10/27/2003	<0.50	Silty Sand/Gravel/Cobbles
		6' - 7'		<0.51	Silty Sand/Gravel/Cobbles
		7' - 8'		<0.52	Silty Sand/Gravel/Cobbles
SB-226	G7	2' - 3'	10/27/2003	4.2 [3.9]	Organic Silt/Sand
		3' - 4'		0.80	Organic Silt/Sand
		4' - 5'		4.3	Till
		5' - 6'		<0.55	Till
		6'-7'		<0.53	Till
		7' - 8'		<0.53	Till
SB-227	D4	2' - 3'	10/28/2003	86.4	Sandy Silt
		3' - 4'		13.7	Organic Silt/Sand to Till
SB-400	E3	0' - 1'	10/30/2003	<0.59	Topsoil
		1' - 2'		<0.56	Silty Sand
		2' - 3'		<0.54	Silty Sand
		3' - 4'		<0.53	Silty Sand
		4' - 5'		<0.55	Silty Sand
		5' - 6'		<0.55	Silty Sand
		6' - 7'		<0.53	Silty Sand/ Gravel
		7' -8 '		<0.54	Silty Sand/ Gravel
		8' - 9'		<0.55	Sand
		9' - 10'		<0.54	Sand
		10' - 11'		<0.56	Silty Sand/ Gravel
		11' - 12'		<0.53	Silty Sand/ Gravel
		12' - 13'		<0.56	Silty Sand/ Gravel
		13' - 14'		<0.54	Silty Sand/ Gravel
		14' - 15'		<0.55	Silty Sand/ Gravel
		15' - 16'		<0.54	Silty Sand/ Gravel
SB-401	B1	2' - 3'	10/28/2003	35.6	Organic Silt/Sand to Till
		3' - 4'		<0.55	Till

Table 6A
Post-Remediation Soil Cadmium Concentrations Remaining on Site
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-402	D2	2' - 3'	10/29/2003	<0.68	Organic Silt/Sand /Gravel
		3' - 4'		<0.63	Organic Silt/Sand /Gravel
		4' - 5'		<0.64	Organic Silt/Sand /Gravel
		5' - 6'		<0.61 [<0.61]	Organic Silt/Sand /Gravel to Sand
		6' - 7'		<0.56	Till
SB-403	D4	2' - 3'	10/30/2003	89.1	Silt/Sand/ Gravel/Cobble
		3' - 4'		5.3	Silt/Sand/ Gravel/Cobble
SB-404	E4	2' - 3'	10/28/2003	<0.57	Silty Sand
		3' - 4'		<0.54	Silty Sand
		4' - 5'		<0.53	Till
SB-405	F6	0' - 1'	10/28/2003	<0.61	Silty Sand
		1' - 2'		<0.64	Silty Sand
		2' - 3'		<0.56	Sand/Gravel
		3' - 4'		<0.60	Fill
		4' - 5'		<0.63	Fill
		5' - 6'		<0.54	Silty Sand
		6' - 7'		<0.53	Till
SB-406	G7	0' - 1'	10/27/2003	0.92	Gravel
		1' - 2'		<0.56	Silty Sand
		2' - 3'		<0.52 [<0.55]	Silty Sand
		3' - 4'		<0.55	Silty Sand
		4' - 5'		<0.56	Silty Sand
		5' - 6'		<0.53	Silty Sand
		6' - 7'		<0.53	Silty Sand
		7' - 8'		<0.54	Silty Sand
SB-407	H7	2' - 3'	10/30/2003	<0.59 [<0.58]	Organic Silt/Sand
		3' - 4'		<0.60	Organic Silt/Sand
		4' - 5'		49.1	Organic Silt/Sand to Peat
		5' - 6'		<0.56	Till
SB-408	F8	0' - 1'	10/27/2003	1.1	Silty Sand
		1' - 2'		<0.62	Silty Sand
		2' - 3'		<0.54	Silty Sand
		3' - 4'		<0.52	Sand/Gravel/Cobbles
		4' - 5'		<0.52	Sand/Gravel/Cobbles
		5' - 6'		<0.52	Sand/Gravel/Cobbles
		6' - 7'		<0.56	Clayey Silt
		7' - 8'		<0.54	Clayey Silt
SB-409	G8	6' - 7'	10/28/2003	2.4	Organic Silt/Sand
		7' - 8'		0.96	Sand/Gravel
		8' - 9'		1,540	Peat to Organic Silt/Sand
		9' - 10'		1.2	Organic Silt/Sand to Sand/Gravel
		10' - 11'		<0.56	Sand/Gravel
		11' - 12'		<0.53	Till
SB-411	H8	2' - 3'	10/28/2003	<1.0	Organic Silt/Sand
		3' - 4'		<0.78	Organic Silt/Sand
		4' - 5'		2.1	Organic Silt/Sand
		5' - 6'		<0.63	Organic Silt/Sand to Sand/Gravel
		6' - 7'		<0.60 [<0.63]	Sand
		7' - 8'		<0.56	Sand to Till
SB-412	H8	5' - 6'	10/28/2003	13.6	Organic Silt/Sand
		6' - 7'		16.3	Till
		7' - 8'		1.1	Till

Table 6A
Post-Remediation Soil Cadmium Concentrations Remaining on Site
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-413	E10	4' - 5'	10/20/2003	2.2	Organic Silt/Sand
		5' - 6'		3.5	Organic Clayey Sand
		6' - 7'		<0.85	Organic Silt/Sand
SB-414	E10	6' - 7'	10/24/2003	1.3	Organic Clayey Silt
		7' - 8'		<0.72	Organic Silt/Sand
SB-435	C1	2' - 3'	4/28/2004	4.43 [4.87]	Till
SB-436	B1	2' - 3'	4/28/2004	<0.736	Organic Silt
SB-437	B2	0' - 1'	4/28/2004	<0.655	Organic Silt
		1' - 2'		<0.644	Organic Silt
		2' - 3'		<0.596	Silt
		3' - 4'		<0.605	Silt
SB-438	C4	0' - 1'	4/28/2004	1.91	Organic Silty Sand
		1' - 2'		1.03	Organic Silty Sand
		2' - 3'		4.63	Silty Sand
		3' - 4'		5.65	Silty Sand
SB-439	E4	0' - 1'	4/28/2004	<0.641	Organic Silty Sand
		1' - 2'		<0.634 [<0.628]	Organic Silty Sand
SB-440	E6	0' - 1'	4/28/2004	<0.644	Silty Sand
		1' - 2'		<0.614	Sand
		2' - 3'		<0.576	Sand
		3' - 4'		<0.590	Sand
		4' - 5'		<0.610	Sand
SB-441	F5	2' - 3'	4/28/2004	2.37	Silty Sand
SB-442	G7	0' - 1'	4/28/2004	0.685	Organic Silty Sand
		1' - 2'		<0.618	Organic Silty Sand
		2' - 3'		<0.618	Sandy Silty Clay
SB-443	G7	2' - 3'	4/28/2004	<0.871	Organic Silt
		3' - 4'		<0.624	Silty Sandy Clay
SB-444	H8	2' - 3'	4/28/2004	28.4	Sandy Silt
		3' - 4'		1.05	Sandy Silt
		4' - 5'		0.973	Sandy Silt
SB-445	G7	4' - 5'	4/28/2004	58.4	Silty Sand
SB-448	H9	0' - 1'	4/28/2004	1.66	Silty Sand
		1' - 2'		<0.608	Sandy Silt
		2' - 3'		<0.605	Sandy Silt
		3' - 4'		3,800	Sandy Silt
		4' - 5'		2,120	Sandy Silt
		5' - 6'		16.9	Sand & Silt
SB-449	G9	2' - 3'	4/29/2004	<0.609	Clayey Silt
		3' - 4'		<0.613	Clayey Silt
		4' - 5'		<0.64	Clayey Silt
		5' - 6'		<0.619	Silty Clay
		6' - 7'		84.7	Clayey Silt
		7' - 8'		2,220	Organic Silt
		8' - 9'		8.27	Silt
		9' - 10'		14.6	Sandy Silt
		10' - 11'		18.3	Organic Silt
		11' - 11.5'		8.21	Sandy Silt
SB-450	F9	2' - 3'	4/29/2004	38.0	Organic Clayey Silt
		3' - 4'		10.4	Silt
		4' - 4.5'		1.44	Silty Sand

Table 6A
Post-Remediation Soil Cadmium Concentrations Remaining on Site
NYS Thruway to Brookview Lane
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-452	E10	0' - 1'	4/29/2004	<0.654	Topsoil
		1' - 2'		<0.623	Clayey Silt
		0' - 1'		<0.607	Clayey Silt
		1' - 2'		<0.620	Silt
		2' - 3'		<0.619	Sandy Silt
		3' - 4'		<0.605	Clayey Silt
		4' - 5'		<0.588	Clayey Silt
		5' - 6'		1.46	Sandy Silt
SB-457	C2	2' -2.25'	4/29/2004	3.9	Sandy Silt
SB-459	C2	2' - 3'	4/29/2004	30.3	Organic Clayey Silt
SSSWP-1N	F8	0" - 6"	4/27/2011	1.8	Silt and fine sand, organics
		6" - 12'		0.045 J	Fine sand
		1' - 2'		0.048 J	Fine sand, wet
SSSWP-1S	F8	0" - 6"	4/27/2011	6.8	Sandy silt with organics
		6" - 12'		4.3	Sandy silt with organics
		1' - 2'		3.2	Sandy silt with organics, trace gravel
SSSWP-1W	F8	0" - 6"	4/27/2011	2.6	Sandy silt with organics
		6" - 12'		0.40	Silty sand with organics
		1' - 2'		0.58 J	Fine sand
SSSWP-2	F7	0" - 6"	12/19/2007	2.2	---
		6" - 15"		0.62	---
SSSWP-3	F7	0" - 6"	12/19/2007	0.77	---
		6" - 24"		<0.05	---
SSSWP-4	F6	0" - 6"	12/19/2007	4.7	---
		6" - 24"		<0.04	---
SSSWP-5	E5	0" - 6"	12/19/2007	3.2	---
		6" - 24"		0.28	---

Notes:

1. Boring locations are shown on Figure 7A.
2. Figure coordinates correspond to coordinate system shown on Figure 7A.
3. Highlighted result indicates the presence of residual cadmium as defined in the FER.
4. mg/kg = milligrams/kilograms (equivalent to ppm = parts per million).
5. Duplicate results are presented in brackets.
6. B - Compound was found in the blank and sample.
7. J - The detected concentration is an estimated value.
8. U - Result edited to reflect non-detect by data validation company due to presence of cadmium in the associated preparation blank at similar concentrations.
9. < - Analyte not detected at the reporting limit shown.
10. Any soil borings (the full boring or only down to a particular depth) that were fully removed during excavation activities have been omitted for this summary.

Table 6B
Post-Remediation Soil Cadmium Concentrations Remaining on Site
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
B-6	E29	0.80' - 1.5'	11/24/2003	0.97	---
		1.5' - 7.5'		<0.59	---
B-7	D29	0' - 1.5'	11/24/2003	2	---
		1.5' - 10'		2.5	---
B-8	E28	0' - 2.5'	11/24/2003	0.72	---
		2.5' - 10'		0.93	---
B-9	F27	0' - 1'	11/24/2003	<0.62	---
		1' - 10'		<0.57	---
B-10	F22	0' - 1.5'	11/25/2003	7	---
		1.5' - 10'		0.95	---
DI-04-01	F17	0' - 1'	4/25/2011	1.7	Silt with little clay & little sand
		5' - 6'		0.29	Silty clay with some fine sand
		6' - 7'		1.4	Clay with little silt (organics)
		7' - 8'		332	Clay with little silt (organics)
		8' - 9'		0.98	Clay with little silt (organics)
DI-05-01	F17	``	4/24/2015	0.091 J	Tan to brown silt, little low plasticity clay
		5' - 6'		0.83	Tan to brown silt, some medium plasticity clay
		6' - 7'		0.051 J	Brown high plasticity clay, little silt
		7' - 8'		0.13 J	Tan to brown high plasticity clay
DI-05-04	F18	2' - 3'	6/17/2015	3.3	Brown fine sand, gravel
		3' - 4'		0.45	Brown fine sand, gravel
DI-05-05	F18	0' - 1'	6/17/2015	0.22 J	Very fine brown sand, silt
		1' - 2'		0.11 J	Brown silt, some very fine sand, trace clay
DI-06-01	F18	0' - 1'	4/25/2011	1.4	Fine sand with little silt
		1' - 2'		0.19 J	Fine sand with little silt
		2' - 3'		0.24	Silt with some fine sand & trace clay
		3' - 4'		0.25	Silt with some fine sand & trace clay
		4' - 5'		0.47	Silt with some fine sand & trace clay
		5' - 6'		10.5	Silt with little sand & little clay
		6' - 7'		0.48	Silt with little sand & little clay
		7' - 8'		<0.26 U	Gray clay at 7'-6"
DI-06-02	F18	4' - 5'	4/25/2011	0.20 J	Silt with little clay
		5' - 6'		3.2	Silt with little clay
		6' - 7'		0.26 J	Silt with little clay
DI-07-01	F20	2' - 3'	8/14/2009	20.7 J	Silt & sand
		3' - 4'		1.16 J	Silt & clay
DI-07-02	F20	2' - 3'	8/14/2009	10.8 J	Silt & clay/gravel
		3' - 4'		12.1 J	Silt & sand/clay
		4' - 5'		6.11 J	Silt & sand/clay
		5' - 6'		5.25 J	Silt & sand/clay
DI-07-03	F20	0' - 1'	8/14/2009	0.422	Silt & clay/gravel & organics
		1' - 2'		0.535	Silt & clay
		2' - 3'		7.38	Silt & clay
		3' - 4'		3.39	Silty clay
		4' - 5'		5.06	Silt & sand/clay & gravel
		5' - 6'		73	Silt & clay
		6' - 7'		<0.267	Silty clay/sand
		7' -8'		<0.261	Silt & sand
		8' - 9'		0.277 J	Silty clay/sand
		9' -10'		1.49	Silty clay to sand
		10' - 11'		<0.243	Sand/clay to silty clay
DI-08-01	F21	0' - 1'	4/26/2011	0.25	Clayey silt, sand
		1' - 2'		0.24	Sand, silty clay
		2' - 3'		0.38	Silty clay
		3' - 4'		0.10 J	Silty clay
		4' - 5'		5.6	Clayey silt, silty clay
		5' - 6'		1.0	Silty clay, clayey silt
DI-09-01	F21	2 - 3'	9/21/2009	5.74	Sand & silt, trace organics & gravel
		3 - 4'		0.246	Silt & sand, trace gravel
		4 - 5'		0.254	Sand & silt
		5 - 6'		4.21	Silt & sand, trace gravel
		6 - 7'		9.12	Silt

Table 6B
Post-Remediation Soil Cadmium Concentrations Remaining on Site
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-09-02	F21	2 - 3'	9/21/2009	0.982	Sand & silt, organics & trace clay
		3 - 4'		0.77	Silt & sand, trace organics
		4 - 5'		9.40	Silt & sand, trace organics
		5 - 6'		5.76	Silty clay & fine sand
		6 - 7'		3.55	Fine sand & silt
DI-11-01	F22	2' - 3'	8/14/2009	3.76	Silt with sand/clay & gravel
		3' - 4'		49	Silt with sand/clay & gravel
DI-11-02	F22	0' - 1'	8/14/2009	0.431 [0.276]	Silt with gravel/organics
		1' - 2'		0.062 J	Silt with clay/gravel & organics
		2' - 3'		0.266	Silt with gravel
		3' - 4'		0.240	Silt
		4' - 5'		0.213 J	Silt with gravel
		5' - 6'		0.074 J	Silt with gravel
DI-11-03	F22	0' - 1'	8/14/2009	<0.261	Silt & clay/organics & gravel
		1' - 2'		0.523	Silt & clay/organics & gravel
		2' - 3'		0.154 J	Silt with gravel/organics
		3' - 4'		0.327	Silt with gravel/organics
		4' - 5'		<0.253	Silt with gravel/organics
		5' - 6'		0.061 J	Silt with gravel/organics, some sand
		6' - 7'		<0.243	Silt with gravel/organics, some sand
		7' -8'		<0.250	Silt with gravel/organics, some sand
		8' - 9'		<0.265	Silt/clay
		9' -10'		<0.235	Silty clay/sand
		10' - 11'		<0.267	Silty clay/sand
DI-13-01	F27	4' - 5'	8/23/2011	0.19 J [0.14 J]	Sandy silt to 4'-6" then silty clay
		5' - 6'		0.22 J	Clay, trace silt
		6' - 7'		0.16 J	Clay, trace silt
DI-13-03	F27	0' - 1'	8/23/2011	0.91	Fine sand, some gravel, organics
		1' - 2'		0.072 J	Fine sand, some gravel
		2' - 3'		0.25	Fine sand, some gravel, organics
		3' - 4'		0.11 J	Fine sand, some gravel, organics
		4' - 5'		5.8	Clayey silt, increasing clay with depth
		5' - 6'		1.1	Silty clay to 5'-8" then silt
		6' - 7'		<0.22	Clayey silt
DI-14-01	E27	0' - 1'	8/23/2011	0.50	Sand, some gravel, trace silt
		1' - 2'		0.14 J [0.40]	Sand, some gravel, some silt
		2' - 3'		0.15 J	Sand, some gravel, some silt, trace clay
		3' - 4'		0.045 J	Sand, some gravel, trace silt
		4' - 5'		5.3	Sand, some gravel, trace silt to 4'-6" then silt, trace clay
		5' - 6'		78.1	Silt with organics, trace clay
		6' - 7'		0.42	Silt with less organics, trace clay
DI-14-02	E27	4' - 5'	8/23/2011	0.058 J	Sand, some gravel, trace silt
		5' - 6'		4.9 J	Sand, some gravel, trace silt to 5'-6" then silt, organics, trace clay
		6' - 7'		4.6 J	Silt, organics, trace clay
		7' - 8'		0.52 J	Clayey silt, trace fine sand
DI-15-01	C30	2' - 3'	8/22/2011	18	Silty sand, little gravel, trace clay
		3' - 4'		4.9	Silty sand, little gravel, trace clay
		4' - 5'		0.27	Silt, trace clay
		5' - 6'		0.21 J	Silt, little clay
		6' - 7'		0.19 J	Silt, little clay
DI-15-02	C30	0' - 1'	8/22/2011	2.5	Silty sand & gravel, trace clay
		1' - 2'		3.7	Silty sand & gravel, trace clay
		2' - 3'		2.3	Sandy silt with little gravel, trace clay
		3' - 4'		2.9	Sandy silt with little gravel, trace clay
		4' - 5'		1.5	Silt, little clay (green & red mottling)
		5' - 6'		0.26 [0.20 J]	Silt, little clay
		6' - 7'		0.14 J	Silt, little clay
DI-32-01	E18	0' - 1'	4/24/2015	0.28	Brown loam, some low plasticity clay, little silt
		1' - 2'		0.076 J [0.22 J]	Tan silt, some low plasticity clay
		2' - 3'		0.068 J	Tan silt, some low plasticity clay
		3' - 4'		0.30	Tan low plasticity clay, some silt
		4' - 5'		1.9	Tan to brown silt, some clay, trace fine sand
		5' - 6'		2.0	Tan to brown silt, some clay, trace fine sand
		6' - 7'		90.9 [86.7]	Tan to brown silt, some clay, trace fine sand
		7' - 8'		10.6	Tan to brown silt, some clay, trace fine sand

Table 6B
Post-Remediation Soil Cadmium Concentrations Remaining on Site
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-32-02	E18	5' - 6'	4/24/2015	0.21 J	Brown silt, some high plasticity clay
		6' - 7'		0.23 J	Brown high plasticity clay, some silt
		7' - 8'		75.3	Brown high plasticity clay, some silt
DI-32A-01	F20	0 - 1'	9/21/2009	0.276 [0.215 J]	Silt, organics and gravel
		1 - 2'		1.72	Sand & silt, gravel
		2 - 3'		4.71	Sand & silt, gravel
		3 - 4'		0.591	Sand & silt, gravel
		4 - 5'		78.6	Sand & silt, gravel
		5 - 6'		6.53	Sand & silt, gravel
DI-32C-01	F21	0 - 1'	9/21/2009	0.444	Sand & silt, organics
		1 - 2'		1.19	Sand & silt, gravel
		2 - 3'		0.238 [0.180 J]	Sand & silt, gravel
		9 - 10'		<0.255	Silty clay
		10 - 11'		<0.235	Silty clay
DI-32C-02	F21	0 - 1'	9/21/2009	0.460	Sand & silt, organics
		1 - 2'		1.32	Sand & silt, organics
		2 - 3'		0.164 J	Silt & sand, trace clay
DI-33-01	G23	0' - 1'	8/11/2009	2.26	Gravel/silt and sand
		1' - 2'		2.48	Silty clay with gravel
		2' - 3'		2.05 [2.74]	Silty clay with gravel
		3' - 4'		3.95	Silty clay with gravel/organics
		4' - 5'		2.73	Silty clay with gravel/organics
DI-45-01	F19	4' - 5'	4/25/2011	4.5	Clay, silty clay, occasional roots
		5' - 6'		2.8	Clay, clayey silt, silt, sandy silt
		6' - 7'		9.5	Clayey silt, clay, sandy silt
		7' - 8'		0.58	Clay
DI-45-02	F19	2' - 3'	4/25/2011	2.5	Clay, silty clay
		3' - 4'		2.6	Clay, silty clay
DI-45-03	F19	0' - 1'	4/25/2011	0.50	Clay, silty clay
		1' - 2'		0.21 J	Clay, silty clay
DI-46-02	F21	0' - 1'	4/27/2011	0.79	Clayey silt, silty clay, fine to coarse gravel
		1' - 2'		0.70	Fine to coarse gravel, silty clay
DI-47-01	F21	0' - 1'	4/26/2011	2.2	Clayey silt with little fine sand
		1' - 2'		2.6	Clayey silt with little fine sand
DI-47-03	F21	0' - 1'	4/26/2011	0.60	Clayey silt with little fine sand, trace gravel
		1' - 2'		1.4	Clayey silt with little fine sand, trace gravel, less clay
DI-48-01	F21	2' - 3'	4/25/2011	6.5 B	Silty clay with clay
		3' - 4'		9.8 B	Clay with silty clay
DI-49-01	G23	2' - 3'	4/25/2011	3.3 BJ [0.84 BJ]	Clay, silty clay, little gravel
		3' - 4'		1.7 B	Clay, silty clay
DI-55-01	G23	0' - 1'	4/25/2011	2.6 B	Silty clay, clay
		1' - 2'		1.5 B	Clay
		2' - 3'		30.5 B	Clay, silty clay, clayey silt
		3' - 4'		12.5 B	Clayey silt, silt
DI-55-03	F23	0' - 1'	4/25/2011	0.52	Clay, silty clay, roots
		1' - 2'		1.0	Silty clay, silt, trace gravel
		2' - 3'		1.9	Silty clay, little sand
		3' - 4'		0.87	Silty clay, little sand
		4' - 5'		35.9	Clayey silt, some sand
DI-55-04	F23	4' - 5'	6/4/2013	20.3	Silty Clay, some sand
DI-58-03	F27	4' - 5'	6/4/2013	1.6	Clayey silt, some sand, organics
		5' - 6'		0.22 J	Silty clay, green mottling (organics)
DI-58-05	F26	1' - 2'	8/13/2013	2.1 B	Silt and Clay, some sand, trace gravel
DI-63-01	F19	0' - 1'	6/4/2013	0.54	Clay and silt, some sand and gravel
DI-64-03	F21	2' - 3'	8/13/2013	10.8 B	Sand and Silt, trace gravel
		3' - 4'		5.4 B	Clayey Silt and Sand
DI-70-02	D28	0' - 1'	6/3/2013	2.7	Clayey silt, little sand, organics
DI-72-01	F19	2' - 3'	6/5/2013	2.7 J [6.1 J]	Silty clay, some sand, trace gravel, oxidation zones
		3' - 4'		7.7 J	Clayey silt and sand
DI-76-02	G23	1' - 2'	6/4/2013	1.6	Silty clay, some sand, trace gravel
DI-79-01	F23	4' - 5'	6/4/2013	29.1	Silt, some sand, and clay
DI-79-02	F23	4' - 5'	6/4/2013	13.9	Clayey silt, some sand, trace gravel

Table 6B
Post-Remediation Soil Cadmium Concentrations Remaining on Site
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-SB-05-05	F19	0' - 1'	4/25/2011	0.94	Silty sand, trace clay
		1' - 2'		0.24 [0.23]	Sandy silt
		2' - 3'		<0.26 U	Silty sand
		3' - 4'		0.52 B	Fine sand with some gravel, trace silt
		4' - 5'		0.33 B	Grades to Sandy silt with little gravel
		5' - 6'		0.54 B	Sandy silt, trace gravel, trace clay
		6' - 7'		0.88 B	Sandy silt, trace gravel, trace clay
		7' - 8'		1.0 B	Clay, trace gravel at 7'
DI-SB-07-01	B30	0' - 1'	8/22/2011	0.93	Course sand, some silt, little gravel, trace clay
		1' - 2'		1.4	Coarse sand, some silt, little gravel & clay
		2' - 3'		0.061 J	Fine sandy silt, little to trace clay
		3' - 4'		0.12 J	Clayey silt, trace fine sand
		4' - 5'		0.060 J	Silty Clay
		5' - 6'		<0.23	Silty Clay
		6' - 7'		<0.22	Silty Clay, silt lense 6'-2", clay at 6'-8"
DI-SB-07-02	B30	0' - 1'	8/22/2011	0.32	Silty Sand, some gravel
		1' - 2'		0.28	Silty fine sand, trace clay & gravel
		2' - 3'		0.10 J	Silty fine sand, trace clay & gravel
		3' - 4'		0.13 J [0.21 J]	Sand, silt, little clay
		4' - 5'		0.064 J	Clayey silt - increasing clay with depth
		5' - 6'		0.035 J	Silty clay - increasing clay with depth
		6' - 7'		0.059 J	Clay, little to trace silt
SA-SB-05-02	F19	0' - 1'	10/22/2003	1.4	Silty Sand
		1' - 2'		<0.58	Silty Sand
		2' - 3'		1.4	Silty Sand
		3' - 4'		<0.60	Silty Sand
		4' - 5'		<0.60	Clayey Silt
		5' - 6'		12.5	Clayey Silt
		6' - 7'		<0.58	Sandy Silt
		7' - 8'		<0.59	Sandy Silt to Organic Clayey Silt
		8' - 9'		5.1	Organic Clayey Silt
		9' - 10'		5.9	Organic Clayey Silt
		10' - 11'		8.1	Organic Clayey Silt
SA-SB-05-03	F19	4' - 5'	10/22/2003	<0.607	Clayey Silt
		5' - 6'		2.5	Organic Clayey Silt
		6' - 7'		0.587	Organic Clayey Silt
		7' - 8'		20.5	Organic Clayey Silt
		8' - 9'		21.8	Clayey Silt
		9' - 10'		<0.661	Clayey Silt
SA-SB-05-04	F19	4' - 5'	10/22/2003	7.5	Organic Silty Clay
		5' - 6'		2.4	Organic Silty Clay
		6' - 7'		12.0	Organic Silty Clay
		7' - 8'		11.3	Organic Clayey Silt
		8' - 9'		20.9	Organic Clayey Silt
		9' - 10'		<0.72	Organic Sand/Silt
		10' - 11'		<0.85	Organic Sand/Silt
		11' - 12'		<0.63	Silty Sand
		12' - 13'		<0.68	Organic Silt/Sand
		13' - 14'		<0.68	Organic Silt/Sand
SA-SB-06-01	E28	4' - 5'	10/24/2003	2.6	Silty Sand
		5' - 6'		3.4	Silty Sand
		6' - 7'		<0.60	Silty Sand to Organic Clayey Silt
		7' - 8'		<0.63	Organic Clayey Silt
		8' - 9'		<0.65	Silty Clay
SA-SB-06-02	E28	0' - 1'	10/24/2003	1.09 [1.77]	Silty Sand
		1' - 2'		<0.567	Silty Sand
		2' - 3'		<0.522	Silty Sand
		3' - 4'		0.703	Silty Sand
		4' - 5'		30.3	Silty Sand to Organic Clayey Silt
		5' - 6'		60.1	Organic Clayey Silt
		6' - 7'		1.44	Organic Clayey Silt to Silty Clay
		7' - 8'		6.18	Organic Clayey Silt
		8' - 9'		7.35	Silty Clay

Table 6B
Post-Remediation Soil Cadmium Concentrations Remaining on Site
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SA-SB-06-03	E28	0' - 1'	10/24/2003	<0.611	Silty Sand
		1' - 2'		<0.566	Organic Silt/Sand
		2' - 3'		<0.579	Silty Sand
		3' - 4'		<0.585	Silty Sand
		4' - 5'		7.63	Silty Sand
		5' - 6'		64.4	Organic Clayey Silt
		6' - 7'		<0.668	Organic Clayey Silt
		7' - 8'		<0.625	Clayey Silt to Clay
		8' - 9'		<0.634	Clay
SA-SB-06-04	E28	0' - 1'	10/24/2003	<0.605	Silty Sand
		1' - 2'		<0.561	Silty Sand
		2' - 3'		<0.573	Silty Sand
		3' - 4'		<0.554	Silty Sand
		4' - 5'		1.78	Fill
		5' - 6'		88.1	Organic Clayey Silt
		6' - 7'		<0.693	Organic Clayey Silt
		7' - 8'		<0.678	Clay to Silty Clay
		8' - 9'		<0.636	Clay
SA-SB-216-01	F19	2' - 3'	10/22/2003	<0.56	Silty Sand
		3' - 4'		0.65	Clayey Silt
		4' - 5'		24.9	Clayey Silt
		5' - 6'		0.77	Clayey Silt
		6' - 7'		4.7	Clayey Silt
		7' - 8'		<0.65	Clayey Silt
		8' - 9'		20.6	Clayey Silt
		9' - 10'		<0.654	Organic Clayey Silt
SA-SB-216-02	E19	0' - 1'	10/22/2003	0.659	Silty Sand
		1' - 2'		<0.588	Silty Sand
		2' - 3'		<0.617	Silty Sand
		3' - 4'		<0.602	Silty Sand
		4' - 5'		5.38	Silty Sand
		5' - 6'		14.5	Organic Clayey Silt
		6' - 7'		1.57 [0.823]	Organic Clayey Silt
		7' - 8'		<0.68	Silty Clay
		8' - 9'		0.903	Silty Clay
		9' - 10'		<0.756	Organic Clayey Silt
		10' - 11'		<0.719	Organic Clayey Silt
		11' - 12'		<0.62	Silty Clay
		12' - 13'		<0.616	Silty Sand
		13' - 14'		<0.60	Silty Sand
SA-SB-216-03	E19	0' - 1'	10/22/2003	<0.60	Silty Sand
		1' - 2'		<0.598	Silty Sand
		2' - 3'		<0.617	Silty Sand
		3' - 4'		<0.624	Silty Clay
		4' - 5'		1.54	Silty Clay
		5' - 6'		<0.632	Sandy Silt
		6' - 7'		<0.641	Sandy Silt
		7' - 8'		<0.713	Sandy Silt
		8' - 9'		<0.635	Sandy Silt
		9' - 10'		<0.635	Organic Silt/Sand
SA-SB-216-04	E19	0' - 1'	10/22/2003	<0.59	Silty Sand
		1' - 2'		<0.57	Silty Sand
SB-12	B31	0' - 1'	11/2001	2.11	---
SB-61	F19	2' - 3'	11/2002	26.2	Silty Sand
		3' - 4'		864	Silty Sand/Peat
SB-62	F19	2' - 3'	11/2002	263	Sandy Silt
		3' - 4'		208	Silty Sand
SB-66	G24	2' - 3'	11/2002	1.1	Clayey Silt
		3' - 4'		<0.60	Clayey Silt
SB-72	D29	2' - 3'	11/2002	1.7	Silty Sand
		3' - 4'		4.3	Silty Sand/Clay
SB-74	B30	2' - 3'	11/2002	1.4	Fill
		3' - 4'		<0.62	Fill/Sandy Silt
SB-208	F19	2' - 3'	11/2002	600	Silty Sand
		3' - 4'		41.7	Sandy Silt

Table 6B
Post-Remediation Soil Cadmium Concentrations Remaining on Site
Brookview Lane to Old Liverpool Road
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-209	F21	2' - 3'	11/2002	10.0	Silty Sand
		3' - 4'		10.7	Silty Sand
SB-210	C30	2' - 3'	11/2002	1.9	Silty Sand
		3' - 4'		<0.54	Silty Sand
SB-229	F17	0' - 1'	10/21/2003	1.9	Silty Sand
		1' - 2'		0.67	Silty Sand
		2' - 3'		<0.61 [<0.60]	Silty Sand
		3' - 4'		<0.61	Silty Sand
		4' - 5'		103	Silty Sand
		5' - 6'		1,390	Organic Silt/Sand
		6' - 7'		247	Organic Silt/Sand to Clayey Silt
		7' - 8'		2.7	Clayey Silt to Silty Clay
SB-230	F21	2' - 3'	10/23/2003	<0.57	Fill
		3' - 4'		0.81	Silty Sand
		4' - 5'		<0.60	Silty Sand
		5' - 6'		<0.61	Silty Sand to Silty Clay
		6' - 7'		6.0	Organic Silty Clay
		7' - 8'		<0.65 [<0.68]	Organic Silty Clay
		8' - 9'		<0.62	Silty Clay
		9' - 10'		<0.59	Silty Clay
		10' - 11'		<0.67	Organic Silty Clay
		11' - 12'		<0.62	Silty Clay
SB-415	F24	0' - 1'	10/23/2003	0.99	Silty Sand
		1' - 2'		2.3	Silty Sand
		2' - 3'		<0.60	Silty Sand
		3' - 4'		<0.59	Silty Sand to Clayey Silt
		4' - 5'		2.1	Silty Sand
		5' - 6'		<0.60	Silty Sand
		6' - 7'		<0.55	Silty Sand
		7' - 8'		<0.61 [<0.59]	Organic Silt/Sand
		8' - 9'		<0.64	Silty Clay
		9' - 10'		<0.57	Silty Clay to Silty Sand
SB-416	G23	2' - 3'	10/23/2003	1.1	Silty Sand
		3' - 4'		123	Organic Silt/Sand
		4' - 5'		16.8	Organic Silt/Sand
		5' - 6'		0.79	Organic Silt/Sand
		6' - 7'		<0.62	Silty Clay
		7' - 8'		<0.65	Silty Clay
SB-417	G24	4' - 5'	10/24/2003	18.4	Organic Clayey Silt
		5' - 6'		<0.73	Organic Clayey Silt
		6' - 7'		<0.63	Organic Clayey Silt to Clay
		7' - 8'		<0.73	Silty Sand
SB-453	F17	0' - 1'	4/29/2004	4.03	Sandy Silt
		1' - 2'		<0.590	Sandy Silt
		2' - 3'		<0.612	Sandy Silt
		3' - 4'		<0.623	Clayey Silt
		4' - 5'		3.29	Clayey Silt
		5' - 6'		91.9	Clayey Silt
		6' - 7'		130	Clayey Silt
		7' - 8'		<0.734	Clayey Silt
SB-455	G23	0' - 1'	4/29/2004	2.31	Sandy Silt
		1' - 2'		<0.615	Clayey Silt
		2' - 3'		<0.602	Clayey Silt
		3' - 4'		7.04	Clayey Silt
		4' - 5'		<0.681	Clayey Silt

Notes:

1. Boring locations are shown on Figure 7B.
2. Figure coordinates correspond to coordinate system shown on Figure 7B.
3. Highlighted result indicates the presence of residual cadmium as defined in the FER.
4. mg/kg = milligrams/kilograms (equivalent to ppm = parts per million).
5. Duplicate results are presented in brackets.
6. B - Compound was found in the blank and sample.
7. J - The detected concentration is an estimated value.
8. U - Result edited to reflect non-detect by data validation company due to presence of cadmium in the associated preparation blank at similar concentrations.
9. < - Analyte not detected at the reporting limit shown.
10. Any soil borings (the full boring or only down to a particular depth) that were fully removed during excavation activities have been omitted for this summary.

Table 6C
Post-Remediation Soil Cadmium Concentrations Remaining on Site
Old Liverpool Road to Onondaga Lake Parkway
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
B-1	G44	0' - 2.5'	11/25/2003	1.5	---
		2.5' - 12'		<0.63	---
B-2	G44	7' -8'	11/25/2003	<0.59	---
B-3	G44	0' - 5'	11/24/2003	<0.61 [<0.61]	---
		5' - 14'		<0.64	---
B-4	E44	0' - 2'	11/24/2003	<0.63	---
		2' - 12'		<0.71	---
B-5	D43	0' - 1.5'	11/24/2003	<0.54	---
		1.5' - 12'		7.5	---
B-11	C43	0' - 4'	3/5/2004	0.74 [0.63]	---
		4' - 8'		0.87	--
		8' - 12'		0.66	---
B-12	B43	0' - 4'	3/5/2004	<0.61	---
		4' - 8'		0.69	--
		8' - 12'		<0.58	---
DI-16-01	D35	0' - 1'	8/24/2011	3.3	Gravelly coarse sand with organics
		1' - 2'	8/24/2011	4.5	Gravelly coarse to fine sand with organics
		2' - 3'	8/24/2011	5.1	Gravelly coarse to fine sand with organics
		3' - 4'	8/24/2011	5.7	Coarse to fine sand with trace silt, gravel & organics
		4' - 5'	8/24/2011	0.19 J	Clayey silt
		5' - 6'	8/24/2011	0.14 J	Silty clay to clay at 6'
DI-16-02	D35	2' - 3'	8/24/2011	3.2	Fine sand, trace gravel, organics & silt
		3' - 4'	8/24/2011	0.81 J	Coarse to fine gravelly sand
		4' - 5'	8/24/2011	0.31	Silt, little clay, little gravel & pebbles
		5' - 6'	8/24/2011	0.17 J	Silty clay
DI-16-03	D36	0' - 1'	8/24/2011	6.2	Organics, silt with pebbles, some sand
		1' - 2'	8/24/2011	0.33	Clayey silt, pebbles, trace fine sand
		2' - 3'	8/24/2011	0.44 [0.17 J]	Silty clay with organics to 2'-3" then silty sand, little gravel, trace clay
		3' - 4'	8/24/2011	0.040 J	Gravelly sand (coarse to fine)
		4' - 5'	8/24/2011	0.24	Silt
		5' - 6'	8/24/2011	0.13 J	Clayey silt to silty clay with depth
DI-81-01	D36	2' - 3'	8/13/2013	11.4 B	Sandy Silt, trace gravel, rock fragments
EPSOIL-4	F44	0' - 1'	10/2001	4.5	---
SB-18	G44	0' - 1'	11/2001	6.25	---
SB-75	D35	0" - 6"	11/2002	1.3	---
		6" - 12"		0.67	Sand & Gravel
		1' - 2'		<0.58	Sand, Silt, Clay
		2' - 3'		<0.57	Sand, Silt, Clay
		3' - 4'		<0.61	Clay
SB-76	D35	0" - 6"	11/2002	0.73	---
		6" - 12"		<0.58	Clayey Silt
		1' - 2'		<0.61	Clayey Silt
		2' - 3'		1.2	Clayey Silt
		3' - 4'		<0.52	Silty Sand
SB-77	E36	0" - 6"	11/2002	18.9	Gravelly Sand
		6" - 12"		1.1	Gravelly Sand
		1' - 2'		<0.55	Gravelly Sand/Clayey Silt
		2' - 3'		<0.56	Clayey Silt/ Sand
		3' - 4'		<0.57	Silty Sand
SB-78	C37	3' - 4'	11/2002	<0.58	Clay
SB-79	C37	0" - 6"	11/2002	1.9	---
		6" - 12"		0.96	---
		1' - 2'		<0.57	Sandy Silt
		3' - 4'		1.2	Clay
SB-80	D40	0" - 6"	11/2002	11.7	---
		6" - 12"		7.3	---
		0' - 4'		18.4	Fill
		4' - 8'		22.6	Fill/Peat
		8' - 12'		<0.87	Peat/Sand and Gravel
SB-81	D40	2' - 3'	11/2002	1.6	Sand
		3' - 4'		<0.63	Clay
SB-82	D40	0" - 6"	11/2002	1.7	---
		6" - 12"		1.6	---
		1' - 2'		<0.61	Clayey Silt
		2' - 3'		1.6	Sandy Silt
		3' - 4'		1.3	Sandy Silt
SB-83	C40	0" - 6"	11/2002	<0.52	---
		6" - 12"		<0.51	---
		0' - 4'		<0.55	Clay/Fill
		4' - 8'		<0.65	Clay/Wood/Peat
SB-84	D42	2' - 3'	11/2002	11.4	Peat
		3' - 4'		<0.79	Sand
SB-211	D43	2' - 3'	11/2002	<0.56	Cobbles, Sand
		3' - 4'		<0.61	Sandy Silt

Table 6C
Post-Remediation Soil Cadmium Concentrations Remaining on Site
Old Liverpool Road to Onondaga Lake Parkway
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-212	G44	0" - 6"	11/2002	8.0	---
		6" - 12"		2.6	Silty Sand
		1' - 2'		<0.59	Sandy Silt
		2' - 3'		<0.62	Sandy Silt
		3' - 4'		<0.75	Sandy Silt
SB-231	G43	0" - 6"	11/3/2003	1.0	Silty Sand
		6" - 12"		0.82	Silty Sand
		1' - 2'		0.72	Silty Sand
		2' - 3'		<0.60	Silty Sand
		3' - 4'		<0.64	Silty Sand
		4' - 5'		<0.63	Silty Sand to Organic Clayey Silt
		5' - 6'		<0.68	Organic Clayey Silt
		6' - 7'		<0.59	Organic Clayey Silt
		7' - 8'		<0.74	Sand/Gravel/ Shells
SB-232	G42	2' - 3'	11/3/2003	5.3	Silty Sand
		3' - 4'		<0.71	Silty Sand to Organic Clayey Silt
		4' - 5'		<0.70	Organic Clayey Silt
SB-418	E36	0" - 6"	11/3/2003	0.96	Fill
		6" - 12"		0.70	Fill
		1' - 2'		0.75	Fill
		2' - 3'		<0.55	Silty Sand/ Gravel
		3' - 4'		25.1	Silty Sand to Organic Clayey Silt
		4' - 5'		0.65	Organic Clayey Silt
SB-419	D36	0" - 6"	11/3/2003	1.8	Fill
		6" - 12"		0.8	Fill
		1' - 2'		1.7	Fill
		2' - 3'		0.58	Fill
		3' - 4'		2.5	Fill
		4' - 5'		1.3	Organic Clayey Silt
SB-420	D35	2' - 3'	11/3/2003	1.9	Fill
		3' - 4'		2.9	Fill to Organic Clayey Silt
		4' - 5'		1.1	Organic Clayey Silt
SB-421	D36	0" - 6"	11/3/2003	1.9	Fill
		6" - 12"		0.60	Fill
		1' - 2'		1.3	Fill
		2' - 3'		3.6 [3.1]	Fill
		3' - 4'		<0.54	Fill
		4' - 5'		<0.52	Silty Sand
SB-422	D36	2' - 3'	11/3/2003	0.62	Fill
		3' - 4'		1.2	Fill to Organic Clayey Silt
		4' - 5'		0.62	Organic Clayey Silt
SB-423	E36	0" - 6"	10/31/2003	<0.53	Asphalt
		6" - 12"		<0.52	Sand/Gravel
		0' - 2'		<0.54	Asphalt/ Sand/ Gravel/ Fill
		2' - 4'		<0.56	Fill
		4' - 6'		<0.56 [<0.28]	Fill to Sand
		6' - 8'		<0.63	Clay
SB-424	F36	0" - 6"	10/31/2003	<0.53	Asphalt
		6" - 12"		<0.57	Fill
		0' - 2'		<0.59	Fill
		2' - 4'		<0.57	Fill to Sand/Gravel/Cobbles
		4' - 6'		<0.58	Sand/Gravel/Cobbles to Silty Sand
		6' - 8'		<0.62	Silty Sand to Organic Silty Clay to Organic Clay
		8' - 10'		<0.61	Organic Clay
		10' - 12'		<0.61	Sand to Clay
SB-425	F36	0" - 6"	10/31/2003	<0.53	Asphalt
		6" - 12"		<0.55	Silty Sand/ Gravel/Cobbles
		0' - 2'		<0.54	Asphalt/ Silty Sand/ Gravel/Cobbles
		2' - 4'		<0.55	Silty Sand/ Gravel/Cobbles to Sand
		4' - 6'		22.0	Sand to Organic Clayey Silt
		6' - 8'		<0.63	Organic Clayey Silt to Clay
		8' - 10'		6.8	Silty Clay to Clay to Sand/Gravel to Clay to Sand with Shells
		10' - 12'		<0.59	Sand with shells to Clay
SB-426	F38	0" - 6"	10/31/2003	<0.58	Fill
		6" - 12"		<0.58	Fill
		0' - 2'		<0.56	Fill
		2' - 4'		<0.55 [<0.56]	Silt/Sand/ Gravel/Cobble
		4' - 6'		28.9	Organic Clayey Silt
		6' - 8'		21.1	Organic Clayey Silt
		8' - 10'		11.7	Organic Clayey Silt to Sand with Shells
		10' - 12'		<0.789	Clay to Organic Silty Clay to Silty Sand with Shells

Table 6C
Post-Remediation Soil Cadmium Concentrations Remaining on Site
Old Liverpool Road to Onondaga Lake Parkway
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sampling Interval	Collection Date	Result (mg/kg)	General Soil Classification
SB-427	F38	0" - 6"	10/31/2003	<0.59	Fill
		6" - 12"		<0.59	Fill
		0' - 2'		<0.58	Fill
		2' - 4'		<0.55	Fill
		4' - 6'		0.85	Fill to Gravel/Sand/ Ceramic
		6' - 8'		4.8	Organic Silty Clay
		8' - 10'		<0.750	Sand with shells to Clay
		10' - 12'		<0.832	Silty Clay, Wood at 10'
SB-428	F38	0" - 6"	10/31/2003	<0.57	Sand/Gravel/Cobbles
		6" - 12"		<0.55	Sand/Gravel/Cobbles
		0' - 2'		<0.54	Sand/Gravel/Cobbles
		2' - 4'		<0.55	Sand/Gravel/Cobbles
		4' - 6'		<0.56	Sand/Gravel/Cobbles
		6' - 8'		28.7	Organic Silty Clay (ceramics at 6'-6") to Clay
		8' - 10'		<0.693	Clay
		10' - 12'		1.02	Organic Silty Sand to Sand with Shells
SB-429	F40	0" - 6"	10/31/2003	<0.60	Fill
		6" - 12"		0.58	Fill
		0' - 2'		<0.54	Fill
		2' - 4'		<0.55	Fill
		4' - 6'		0.67 [0.62]	Clay
		6' - 8'		<0.54	Silty Sand/ Gravel, Organic Clay, Ceramics
		8' - 10'		5.7	Ceramics to Organic Clayey Silt
		10' - 12'		0.73	Organic Clayey Silt
		12' - 14'		0.99	Organic Clayey Silt
		14' - 16'		<0.71	Clay to Sand/Gravel/ Shells
SB-430	F40	0" - 6"	10/31/2003	<0.56	Fill
		6" - 12"		0.59	Fill
		0' - 2'		<0.57	Fill
		2' - 4'		0.57	Fill
		4' - 6'		<0.57	Fill
		6' - 8'		<0.55	Concrete to Sand/Gravel to Silty Sand
		8' - 10'		<0.59	Silty Sand
		10' - 12'		2.5	Gravel/Cobbles/Shells to Silty Clay
SB-431	G40	0" - 6"	10/31/2003	<0.54	Fill
		6" - 12"		<0.54	Fill
		0' - 2'		<0.54	Fill
		2' - 4'		3.0	Fill to Sand/Gravel
		4' - 6'		0.78	Silt/Sand/ Gravel to Fill
		6' - 8'		0.71	Fill
		8' - 10'		<0.57	Cobbles/Ceramic to Silty Sand to Ceramics
		10' - 12'		3.3	Organic Silty Clay
SB-432	F42	0" - 6"	11/3/2003	13.8	Organic Silt/Sand
		6" - 12"		<0.50	Organic Silt/Sand
		1' - 2'		3.0	Silty Sand
		2' - 3'		<0.64	Silty Sand
		3' - 4'		<0.75	Silty Sand to Organic Clayey Silt
		4' - 5'		<0.75	Sand/Gravel/ Shells
SB-433	E40	0" - 6"	10/31/2003	0.66	Fill
		6" - 12"		1.0	Fill
		0' - 2'		0.99	Fill
		2' - 4'		0.66	Fill
		4' - 6'		1.2	Fill
		6' - 8'		<0.57	Fill to Silty Sand/ Ceramics
		8' - 10'		0.8	Organic Clayey Silt
		10' - 12'		<0.70	Organic Clayey Silt
SB-434	E41	0" - 6"	10/31/2003	0.61	Fill
		6" - 12"		0.68	Fill
		0' - 2'		<0.57	Fill
		2' - 4'		1.9	Fill
		4' - 6'		1.3	Fill
		6' - 8'		1.3 [<0.54]	Fill to Silty Sand/ Ceramics
		8' - 10'		<0.78	Organic Clayey Silt/ Ceramics to Sand/Gravel/ Shells
		10' - 12'		<0.79	Sand/Gravel/ Shells

Notes:

1. Boring locations are shown on Figure 7C.
2. Figure coordinates correspond to coordinate system shown on Figure 7C.
3. Highlighted result indicates the presence of residual cadmium as defined in the FER.
4. mg/kg = milligrams/kilograms (equivalent to ppm = parts per million).
5. Duplicate results are presented in brackets.
6. B - Compound was found in the blank and sample.
7. J - The detected concentration is an estimated value.
8. U - Result edited to reflect non-detect by data validation company due to presence of cadmium in the associated preparation blank at similar concentrations.
9. < - Analyte not detected at the reporting limit shown.
10. Any soil borings (the full boring or only down to a particular depth) that were fully removed during excavation activities have been omitted for this summary.

Table 6D
Post-Remediation Soil Cadmium Concentrations Remaining on Site
Within the Roadways Adjacent to Culverts
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sample Depth Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-82-01	F20	0' - 1'	4/29/2014	0.35	Gray coarse to fine sand and coarse to fine gravel
		1' - 2'	4/29/2014	0.9	Gray coarse to fine gravel, some fine sand, some Silt
		2' - 3'	4/29/2014	0.6	Brown silty clay, little sand
		3' - 4'	4/29/2014	2.3	Brown silty clay, little sand
		4' - 5'	4/29/2014	0.11	Brown clayey silt, some sand
		5' - 6'	4/29/2014	0.22	Brown clayey silt, some sand
		6' - 7'	4/29/2014	0.37	Brown clayey silt, some sand
		7' - 8'	4/29/2014	0.59	Brown clayey silt, some sand
		8' - 9'	4/29/2014	0.29	Gray coarse to fine gravel, some fine sand, some Silt
		9' - 10'	4/29/2014	0.11	Gray coarse to fine gravel, some fine sand, some silt
		10' - 11'	4/29/2014	4.8	Gray coarse to fine gravel, some fine sand, some silt
		11' - 12'	4/29/2014	0.18	Gray coarse to fine gravel, some fine sand, some silt
DI-82-02	F20	8' - 9'	4/29/2014	0.54 U	Brown clayey silt, some sand
		9' - 10'	4/29/2014	0.033	Brown clayey silt, some sand
		10' - 11'	4/29/2014	0.65 U	Brown clayey silt, some sand
		11' - 12'	4/29/2014	0.63 U	Brown clayey silt, some sand
DI-83-01	F20	0' - 1'	4/29/2014	0.12	Gray coarse to fine sand and coarse to fine gravel
		1' - 2'	4/29/2014	0.49	Gray medium to fine sand and medium to fine gravel
		2' - 3'	4/29/2014	19.1	Brown fine sand and silt, some clay
		3' - 4'	4/29/2014	5.8	Brown fine sand and silt, some clay
		4' - 5'	4/29/2014	16.6	Brown fine sand and silt, some clay
		5' - 6'	4/29/2014	14.4 [4.5]	Brown fine sand and silt, some clay
		6' - 7'	4/29/2014	1.3	Black fine sand and silt, some clay
		7' - 8'	4/29/2014	0.085	Black fine sand and silt, some clay
		8' - 9'	4/29/2014	0.16 [0.15]	Black fine sand and silt, some clay
		9' - 10'	4/29/2014	0.21	Black fine sand and silt
		10' - 11'	4/29/2014	0.15	Black fine sand and silt
		11' - 12'	4/29/2014	0.14	Black fine sand and silt
DI-83-02	F20	2' - 3'	4/29/2014	3.9	Dark brown to black sandy silt, some clay
		4' - 5'	4/29/2014	0.29	Dark brown to black sandy silt, some clay
		5' - 6'	4/29/2014	0.28	Dark brown to black sandy silt, some clay
DI-83-03	F20	0' - 1'	4/29/2014	0.19	Gray coarse to fine sand and medium to fine gravel
		1' - 2'	4/29/2014	0.63	Brown silty clay, little sand
		2' - 3'	4/29/2014	0.031	Brown clayey silt, little sand
		3' - 4'	4/29/2014	0.57 U	Brown clayey silt, little sand
		4' - 5'	4/29/2014	0.2	Brown sandy silt, some clay
DI-84-01	C16	0' - 1'	12/2/2014	0.17 J	Red brown fine-coarse sand, some angular gravel
		1' - 2'	12/2/2014	0.52	Brown silty clay, trace fine sand
		2' - 3'	12/2/2014	7.2	Brown clayey silt, little fine sand
		3' - 4'	12/2/2014	3.2	Brown fine-coarse sand, little angular gravel
		4' - 5'	12/2/2014	0.16 J	Brown clayey silt 4-4.5' Brown clay, little silt 4.5-5'
		5' - 6'	12/2/2014	0.94	Brown clay, some silt, little sub angular gravel
		6' - 7'	12/2/2014	0.4 J [1.1 J]	Brown clayey silt, some fin sand, little subangular gravel
		7' - 8'	12/2/2014	0.82	Brown fine silty sand, trace clay, clay increase with depth
		8' - 9'	12/2/2014	<0.27	Brown silt clay, trace fine sand
		9' - 10'	12/2/2014	0.19 J	Brown clay, little silt
		10' - 11'	12/2/2014	10.9	Brown clay, little silt, trace sub angular gravel
		11' - 12'	12/2/2014	0.051 J	Red brown fine sand, little silt
DI-84-02	C16	2' - 3'	12/2/2014	3.8	Brown clayey silt, little course sand
		3' - 4'	12/2/2014	0.11 J	Brown silty clay, some fine-course sand
		10' - 11'	12/2/2014	<0.27	Brown fine sand, some silt, little clay
DI-84-03	C16	2' - 3'	12/2/2014	0.14 J	Dark brown silty clay
DI-85-01	C15	0' - 1'	12/2/2014	0.3 B	Red brown fine-coarse sand, little angular gravel
		2' - 3'	12/2/2014	25.7 B	Red brown fine- med. sand, little rounded gravel, clay lense at 2.2'
		3' - 4'	12/2/2014	36.9 B	Brown fine silty sand, little clay
		4' - 5'	12/2/2014	80.2 B	Dark brown fine sandy silt, little clay, little med.-course sand
		5' - 6'	12/2/2014	71 B	Dark brown fine sandy silt, little clay, trace med.-course sand
		6' - 7'	12/2/2014	0.78 B	Dark brown clayey silt, little fine-med. Sand, increase in clay with depth
		7' - 8'	12/2/2014	0.5 B	Brown fine silty sand
		8' - 9'	12/2/2014	0.38 J [0.20 J]	Brown fine silty sand
		9' - 10'	12/2/2014	48.6	Brown silty clay, trace sub angular gravel
		10' - 11'	12/2/2014	0.42	Brown fine sand silt, trace med. Sand
		11' - 12'	12/2/2014	0.53 J [0.43 J]	Brown fine sandy silt, trace med. Sand. Fine sand lens at 11.8'
DI-85-02	D15	1' - 2'	12/2/2014	39.5	Dark brown sandy silt, little clay
		3' - 4'	12/2/2014	5.4	Brown fine sandy silt, some clay
		4' - 5'	12/2/2014	143	Brown fine sandy silt, little clay
		5' - 6'	12/2/2014	1.7	Dark brown silty sand, little clay, clay decreasing with depth
		9' - 10'	12/2/2014	0.085 J	Brown silty clay, little fine sand

Table 6D
Post-Remediation Soil Cadmium Concentrations Remaining on Site
Within the Roadways Adjacent to Culverts
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sample Depth Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-85-03	D15	1' - 2'	12/2/2014	0.097 J	Brown fine silty sand, trace clay, clay increase with depth
		2' - 3'	12/2/2014	0.33	Brown sandy silt, little clay, little rounded gravel
		3' - 4'	12/2/2014	0.13 J	Brown sandy silt, little clay, little rounded gravel
		4' - 5'	12/2/2014	0.31	Dark brown clayey silt, little fine sand
DI-86-01	F23	0' - 1'	12/3/2014	5.9	Dark brown fine sandy silt, little coarse sand
		2' - 3'	12/3/2014	2.6	Dark brown fine sandy silty little clay
		3' - 4'	12/3/2014	3.1	Dark brown fine sandy silty little clay
		4' - 5'	12/3/2014	2.6	Brown silt, little rounded gravel, trace clay
		5' - 6'	12/3/2014	3.8	Brown silt, some fine-course sand
		6' - 7'	12/3/2014	0.42	Grey fine silty sand, trace clay 6-6.7'. Light brown fine silty sand 6.7'-7'
		7' - 8'	12/3/2014	0.35	Brown fine sandy silt
		8' - 9'	12/3/2014	0.47	Brown fine sandy silt
		9' - 10'	12/3/2014	0.25 J	Dark brown fine silty sand, wet.
		10' - 11'	12/3/2014	0.39	Pinkish-brown silty clay, trace fine sand
		11' - 12'	12/3/2014	0.30	Pinkish-brown silty clay, trace fine sand
DI-86-02	F23	0' - 1'	12/3/2014	0.19 J	Grey-brown silt, little fine sand, trace clay
		1' - 2'	12/3/2014	0.10 J	Subangular and angular gravel, little fine-coarse sand
		2' - 3'	12/3/2014	0.074 J	Brown fine-course sand, little angular gravel (fill)
DI-86-03	F23	3' - 4'	12/3/2014	<0.28	Light brown silt, little clay, little pure sand
		4' - 5'	12/3/2014	<0.28	Light brown silt, some fine sand
		5' - 6'	12/3/2014	<0.26	Light brown silt, some fine sand
DI-87-01	G22	0' - 1'	12/3/2014	0.073 J	Dark brown fine sandy silt, trace clay, increase clay with depth
		1' - 2'	12/3/2014	0.12 J	Dark brown silty clay, little fine sand
		2' - 3'	12/3/2014	1.2	Brown fine sandy silt 2-2.5' Black fine sandy silt 2.5-3'
		3' - 4'	12/3/2014	32.8	Black fine sandy silt
		4' - 5'	12/3/2014	0.73	Dark brown fine sandy silt, trace clay, increase clay with depth
		5' - 6'	12/3/2014	0.29	Brown silty clay, trace fine sand
		6' - 7'	12/3/2014	2.9	Brown fine sandy silt, little clay
		7' - 8'	12/3/2014	0.12 J	Brown fine sandy silt, trace clay
		8' - 9'	12/3/2014	0.43	Brown fine sandy silt, trace clay
		9' - 10'	12/3/2014	0.25 J	Brown fine silty sand
		10' - 11'	12/3/2014	1.7	Brown silt, some fine sand, trace clay
		11' - 12'	12/3/2014	0.07 J	Brown fine silty sand, trace clay
DI-87-02	G22	3' - 4'	12/3/2014	1.7	Brown clayey silt, little fine sand, decrease in clay with depth
		6' - 7'	12/3/2014	0.079 J	Brown clayey silt, trace fine sand
DI-88-02	G26	0' - 1'	12/5/2014	0.53	Brown silt, some F-M angular gravel, little F-sand
		1' - 2'	12/5/2014	2.1	Dark brown clay, some silt, trace F-sand
		2' - 3'	12/5/2014	0.33	Light brown clay, little salt
		4' - 5'	12/5/2014	0.039 J	Brown clay, little silt; gravel lense at 4.5'-5.0'
		5' - 6'	12/5/2014	0.074 J	Tan clay, trace silt; large rock at 5.5'-6.0'
		6' - 7'	12/5/2014	0.079 J	Tan clay, trace silt; large rock at 5.5'-6.0'
		7' - 8'	12/5/2014	0.064 J	Tan clay, trace silt; large rock at 5.5'-6.0'
		8' - 9'	12/5/2014	1.5	Dark brown clay, trace silt
		9' - 10'	12/5/2014	0.07 J	Dark brown clay, trace silt; gravel lense
		10' - 11'	12/5/2014	0.067 J	Tan clay, trace silt
		11' - 12'	12/5/2014	0.053 J	Tan clay, trace silt
DI-88-03	G26	3' - 4'	12/5/2014	0.99	Dark brown clay, some silt, little F-sand
DI-89-01	G26	0' - 1'	12/2/2014	0.63 J [1.5 J]	Brown fine silty sand, some clay.
		1' - 2'	12/2/2014	1.6 B	Brown silt, some clay, trace rounded gravel
		2' - 3'	12/2/2014	0.82 B	Brown silt, some clay, little angular gravel (slough)
		3' - 4'	12/2/2014	0.8 B	Brown clayey silt, trace sub angular gravel
		4' - 5'	12/2/2014	1.2 B	Brown clayey silt, trace sub angular gravel
		5' - 6'	12/2/2014	0.77 B [0.043 J]	Brown silty clay , little fine sand
		6' - 7'	12/2/2014	0.49 J	Brown silty clay, little fine sand
		7' - 8'	12/2/2014	0.56 B	Brown clayey silt, some fine sand
		8' - 9'	12/2/2014	0.4 B	Brown clayey silt, increasing clay with depth, trace fine sand.
		9' - 10'	12/2/2014	0.45 B	Brown silty clay, lenses of fine sand throughout
		10' - 11'	12/2/2014	0.4 B	Brown silty clay, little angular gravel, wet.
		11' - 12'	12/2/2014	0.38 B	Brown silty clay, little fine sand
DI-90-01	C29	0' - 1'	12/1/2014	0.051 J	Brown silty clay with some rounded gravel
		3' - 4'	12/1/2014	0.087 J	Brown silty clay with some rounded gravel
		4' - 5'	12/1/2014	0.072 J	Brown fine to coarse sand little angular gravel
		5' - 6'	12/1/2014	0.076 J	Brown fine to coarse sand little angular gravel
		6' - 7'	12/1/2014	0.083 J	Brown fine to coarse sand little angular gravel
		7' - 8'	12/1/2014	0.09 J	Brown fine silty sand little clay
		8' - 9'	12/1/2014	0.12 J [0.14 J]	Brown fine silty sand little clay
		9' - 10'	12/1/2014	0.078 J	Light brown fine silty sand some clay fine sand lense 9'-9.2'
		10' - 11'	12/1/2014	0.11 J	Gray fine sandy silt, little clay
		11' - 12'	12/1/2014	0.14 J	Bark brown fine sand little silt, red mottling

Table 6D
Post-Remediation Soil Cadmium Concentrations Remaining on Site
Within the Roadways Adjacent to Culverts
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Boring ID[1]	Figure Coordinates[2]	Sample Depth Interval	Collection Date	Result (mg/kg)	General Soil Classification
DI-90-02	C29	1' - 2'	12/1/2014	0.041 J	Angular gravel and coarse sand (slough from pavement)
		2' - 3'	12/1/2014	1.3	Angular gravel and coarse sand (slough from pavement)
DI-91-01	C30	0' - 1'	12/1/2014	0.86	Brown fine-coarse sand, trace clay
		1' - 2'	12/1/2014	8.5	Dark brown fine sand, little silt
		2' - 3'	12/1/2014	0.30	Dark brown fine sand, little silt
		3' - 4'	12/1/2014	0.11 J	Brown fine sand, little silt, trace sub-angular gravel
		4' - 5'	12/1/2014	0.67	Brown fine sand, some silt
		5' - 6'	12/1/2014	0.27	Gray fine sand, some clay
		6' - 7'	12/1/2014	0.44	Gray fine sand, some clay
		7' - 8'	12/1/2014	0.41	Gray fine sand, some clay
		8' - 9'	12/1/2014	0.39	Brown fine sand, little soil, wet
		9' - 10'	12/1/2014	0.22 J	Brown fine silty sand, trace clay
		10' - 11'	12/1/2014	0.53 J [0.070 J]	Brown fine silty sand, trace clay
DI-91-02	C30	1' - 2'	12/1/2014	0.72	Red-brown fine to coarse sand, little clay

Notes:

1. Boring locations are shown on Figure s 7A through 7C.
2. Figure coordinates correspond to coordinate system shown on Figures 7A through 7C.
3. Highlighted result indicates the presence of residual cadmium as defined in the FER.
4. mg/kg = milligrams/kilograms (equivalent to ppm = parts per million).
5. Duplicate results are presented in brackets.
6. B - Compound was found in the blank and sample.
7. J - The detected concentration is an estimated value.
8. U - Result edited to reflect non-detect by data validation company due to presence of cadmium in the associated preparation blank at similar concentrations.
9. < - Analyte not detected at the reporting limit shown.

Table 7A
Materials Summary - Low Permeable Fill (Pond Sand)
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Date	Source Location	Total Loads	Average Qty/Load Tons	Daily Total Tons	Cum. Total Tons	Daily Load Number																												
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
9/29/2014	Silk Road	12	24.0	288.00	288.00	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	Yards[1]																
10/1/2014	Silk Road	1	24.0	24.00	312.00	16.0	Yards[1]																											
10/2/2014	Silk Road	2	24.0	48.00	360.00	16.0	16.0	Yards[1]																										
10/8/2014	Silk Road	3	21.87	65.61	425.61	22.90	21.82	20.89																										
10/14/2014	Silk Road	10	21.44	214.41	640.02	21.35	22.34	22.33	19.29	19.91	21.91	21.81	20.61	22.30	22.56																			
10/15/2014	Silk Road	12	21.46	257.46	897.48	22.66	22.38	21.70	19.98	21.48	21.98	22.45	21.83	21.80	21.76	17.99	21.45																	
10/17/2014	Silk Road	9	22.20	199.83	1,097.31	22.67	22.71	23.14	20.28	21.38	22.40	21.62	22.63	23.00																				
10/20/2014	Silk Road	10	22.07	220.66	1,317.97	20.63	23.49	22.85	22.37	21.36	21.36	23.05	21.91	21.27	22.37																			
10/23/2014	Silk Road	6	21.78	130.66	1,448.63	22.10	21.47	21.78	21.59	21.81	21.91																							
10/24/2014	Silk Road	6	22.94	137.65	1,586.28	22.17	21.88	23.96	23.07	23.98	22.59																							
11/4/2014	Silk Road	8	21.87	174.96	1,761.24	22.16	20.58	21.57	22.34	21.13	21.79	22.67	22.72																					
11/5/2014	Silk Road	1	23.45	23.45	1,784.69	23.45																												
11/12/2014	Silk Road	19	22.13	420.40	2,205.09	23.51	19.47	23.59	23.14	22.82	22.76	21.72	21.21	21.95	22.43	21.20	20.33	21.53	22.68	20.24	23.82	22.85	22.47	22.68										
11/13/2014	Silk Road	29	21.81	632.48	2,837.57	23.05	22.72	22.83	21.40	22.43	20.50	23.06	22.02	20.65	21.43	22.71	22.76	21.62	22.39	22.96	21.57	22.06	20.82	21.97	20.13	21.70	21.25	21.53	21.19	20.58	22.05	20.56	22.09	22.45
12/1/2014	Silk Road	5	21.12	105.62	2,943.19	20.00	20.76	21.55	21.46	21.85																								
12/2/2014	Silk Road	3	20.97	62.90	3,006.09	20.68	21.48	20.74																										
12/3/2014	Silk Road	10	21.14	211.40	3,217.49	22.87	20.44	21.88	21.62	21.97	21.56	19.96	20.49	22.07	18.54																			
12/4/2014	Silk Road	10	21.47	214.65	3,432.14	21.79	20.09	20.23	22.26	22.68	20.75	20.24	24.11	21.81	20.69																			
12/5/2014	Silk Road	12	22.44	269.22	3,701.36	23.32	21.78	22.84	21.97	22.67	23.40	22.70	20.35	21.87	21.95	22.82	23.55																	
12/8/2014	Silk Road	6	23.43	140.58	3,841.94	24.50	22.23	22.80	23.98	23.10	23.97																							
12/9/2014	Silk Road	4	23.42	93.66	3,935.60	22.61	24.01	24.17	22.87																									
12/10/2014	Silk Road	5	23.05	115.27	4,050.87	24.84	22.00	21.73	24.61	22.09																								
4/30/2015	Silk Road	3	21.18	63.53	4,114.40	21.31	21.42	20.80																										
5/14/2015	Silk Road	1	20.39	20.39	4,134.79	20.39																												
7/30/2015	Silk Road	12	21.29	255.47	4,390.26	22.44	21.20	19.19	20.23	22.80	22.33	21.87	19.64	22.25	21.37	20.84	21.31																	
8/24/2015	Silk Road	4	21.42	85.69	4,475.95	20.43	20.29	22.70	22.27																									
8/25/2015	Silk Road	5	20.64	103.19	4,579.14	20.23	22.16	20.87	20.22	19.71																								
8/26/2015	Silk Road	3	20.80	62.40	4,641.54	21.30	20.62	20.48																										
8/27/2015	Silk Road	6	21.69	130.15	4,771.69	20.85	22.33	20.12	22.45	22.74	21.66																							
Total Loads:		**217**	**Total Tons:**		**4,771.69**																													

1. Only yardage was provided for the first three days. For quantification purposes, it was assumed that 1 yard was equivalent to 1.5 tons for these 15 loads.

Table 7B
Materials Summary - General Fill
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Date	Source Location	Total Loads	Average Qty/Load tons	Daily Total tons	Cum. Total tons	Daily Load Number 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
8/4/2014	Silk Road	5	21.22	106.08	106.08	22.14	20.91	20.39	21.68	20.96																					
8/5/2014	Silk Road	3	21.38	64.14	170.22	21.47	21.01	21.66																							
8/8/2014	Silk Road	3	21.87	65.62	235.84	21.57	21.62	22.43																							
8/14/2014	Silk Road	4	21.52	86.06	321.90	21.15	21.25	21.28	22.38																						
8/15/2014	Silk Road	11	20.69	227.55	549.45	22.11	19.27	19.90	19.70	19.80	21.27	21.48	19.80	20.40	20.74	23.08															
8/18/2014	Silk Road	6	22.39	134.34	683.79	22.08	22.00	24.34	22.03	22.58	21.31																				
8/19/2014	Silk Road	9	21.67	195.00	878.79	21.22	23.61	22.22	22.32	20.77	21.64	21.80	19.99	21.43																	
8/20/2014	Silk Road	6	21.37	128.19	1,006.98	20.56	22.36	20.67	22.40	20.58	21.62																				
8/21/2014	Silk Road	10	20.36	203.64	1,210.62	21.97	18.79	19.75	17.62	22.21	21.49	21.19	20.16	19.20	21.26																
8/25/2014	Silk Road	8	19.66	157.28	1,367.90	19.71	19.59	20.14	19.14	21.70	19.65	18.05	19.30																		
8/26/2014	Silk Road	4	19.21	76.85	1,444.75	18.75	21.31	18.26	18.53																						
9/2/2014	Silk Road	4	20.85	83.40	1,528.15	22.03	22.48	19.76	19.13																						
9/5/2014	Silk Road	5	21.44	107.20	1,635.35	22.13	21.24	20.46	21.41	21.96																					
9/9/2014	Silk Road	1	21.43	21.43	1,656.78	21.43																									
9/11/2014	Silk Road	13	21.92	284.91	1,941.69	23.50	22.78	23.24	23.25	21.06	23.94	21.26	20.94	21.22	21.20	22.20	20.85	19.47													
9/12/2014	Silk Road	8	19.57	156.58	2,098.27	21.91	18.83	19.02	18.08	21.28	19.15	18.80	19.51																		
9/15/2014	Silk Road	6	21.72	130.34	2,228.61	22.36	21.35	21.54	21.70	20.94	22.45																				
9/17/2014	Silk Road	5	21.88	109.41	2,338.02	21.85	21.81	20.68	22.81	22.26																					
9/25/2014	Silk Road	7	22.14	155.01	2,493.03	21.04	21.36	21.84	21.21	21.30	23.87	24.39																			
9/26/2014	Silk Road	10	22.25	222.47	2,715.50	23.88	23.59	21.21	23.05	21.62	22.23	21.05	22.05	20.90	22.89																
9/29/2014	Silk Road	8	22.51	180.10	2,895.60	23.99	24.14	22.15	21.03	22.02	21.72	22.42	22.63																		
10/2/2014	Silk Road	11	20.85	229.32	3,124.92	21.39	21.41	21.00	20.67	22.62	21.40	20.69	20.66	20.55	21.90	17.03															
10/3/2014	Silk Road	5	21.25	106.23	3,231.15	21.65	21.47	20.08	22.00	21.03																					
10/6/2014	Silk Road	20	20.35	407.02	3,638.17	21.76	20.96	19.02	19.67	20.28	22.02	22.02	20.70	20.63	20.49	20.01	20.09	19.92	20.42	20.70	19.41	19.04	20.64	18.59	20.65						
10/10/2014	Granby, NY	10	21.31	213.11	3,851.28	19.62	22.53	24.70	24.47	19.91	22.36	23.02	21.45	17.02	18.03																
10/14/2014	Granby, NY	10	23.11	231.08	4,082.36	25.88	25.42	19.85	21.95	23.48	23.62	19.98	22.00	23.24	25.66																
10/15/2014	Granby, NY	8	22.65	181.16	4,263.52	22.38	25.21	22.02	22.66	21.34	21.77	19.90	25.88																		
10/17/2014	Granby, NY	2	24.16	48.31	4,311.83	23.35	24.96																								
10/20/2014	Granby, NY	7	24.76	173.32	4,485.15	25.26	24.96	25.18	25.04	25.03	24.81	23.04																			
10/22/2014	Granby, NY	7	22.96	160.73	4,645.88	23.10	22.00	23.48	25.35	22.74	22.29	21.77																			
10/23/2014	Granby, NY	9	22.75	204.76	4,850.64	22.69	23.94	23.24	22.41	21.66	23.02	22.32	24.66	20.82																	
10/24/2014	Granby, NY	6	22.92	137.53	4,988.17	22.46	22.92	24.46	22.33	23.01	22.35																				
10/27/2014	Granby, NY	12	23.65	283.76	5,271.93	21.53	24.91	24.20	23.48	23.43	23.01	24.00	23.81	23.10	24.74	23.51	24.04														
10/28/2014	Granby, NY	17	22.24	378.07	5,650.00	23.14	23.86	24.94	22.31	22.46	24.89	21.32	23.08	23.96	22.67	19.05	23.04	19.21	25.86	20.56	18.21	19.51									
10/29/2014	Granby, NY	15	23.16	347.37	5,997.37	22.27	21.97	25.28	23.50	22.69	23.51	23.90	23.46	23.44	23.95	21.98	19.66	23.52	25.25	22.99											
10/30/2014	Granby, NY	6	22.72	136.29	6,133.66	23.15	22.18	20.45	22.02	24.46	24.03																				
11/3/2014	Granby, NY	16	23.19	371.08	6,504.74	19.75	22.76	24.15	24.53	23.50	23.48	22.85	23.52	24.12	22.75	23.28	23.70	23.62	23.20	22.04	23.83										
11/11/2014	Granby, NY	6	22.13	132.78	6,637.52	22.08	24.53	21.50	23.59	18.54	22.54																				
11/19/2014	Granby, NY	2	22.95	45.89	6,683.41	21.91	23.98																								
4/29/2015	Granby, NY	8	22.33	178.63	6,862.04	24.04	22.12	20.78	20.70	22.08	23.24	24.04	21.63																		
4/30/2015	Granby, NY	12	21.22	254.66	7,116.70	20.01	20.97	23.60	20.68	21.22	23.45	21.95	21.42	20.77	20.08	20.03	20.48														
5/1/2015	Granby, NY	6	21.46	128.74	7,245.44	22.62	21.55	19.56	20.17	22.55	22.29																				
5/4/2015	Granby, NY	6	23.23	139.37	7,384.81	24.17	21.99	23.34	23.13	23.32	23.42																				
5/5/2015	Granby, NY	4	22.82	91.29	7,476.10	23.58	21.89	22.99	22.83																						
5/7/2015	Granby, NY	3	22.48	67.44	7,543.54	21.35	23.90	22.19																							
5/8/2015	Granby, NY	8	23.64	189.13	7,732.67	22.62	23.36	24.65	23.79	23.69	23.95	23.12	23.95																		
5/11/2015	Granby, NY	13	23.16	301.08	8,033.75	22.46	22.31	23.10	23.40	23.68	22.25	23.63	22.87	22.08	24.17	23.90	24.19	23.04													
5/18/2015	Granby, NY	13	22.06	286.73	8,320.48	22.47	21.84	22.27	20.45	22.37	23.36	20.20	22.91	22.14	22.60	21.34	21.51	23.27													
5/20/2015	Granby, NY	1	20.97	20.97	8,341.45	20.97																									
5/21/2015	Granby, NY	4	19.85	79.40	8,420.85	18.82	22.03	19.11	19.44																						
5/28/2015	Granby, NY	4	34.58	138.32	8,559.17	33.46	33.95	35.56	35.35																						
5/29/2015	Granby, NY	9	21.81	196.25	8,755.42	23.54	23.00	22.44	21.66	21.68	21.72	20.25	20.98	20.98																	
6/3/2015	Granby, NY	7	24.29	170.03	8,925.45	24.23	24.04	23.02	23.91	32.04	22.20	20.59																			
6/15/2014	Granby, NY	3	25.21	75.63	9,001.08	23.38	25.26	26.99																							
6/16/2015	Granby, NY	1	22.55	22.55	9,023.63	22.55																									

Table 7B
Materials Summary - General Fill
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Date	Source Location	Total Loads	Average Qty/Load tons	Daily Total tons	Cum. Total tons	Daily Load Number																									
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
6/17/2015	Granby, NY	3	22.61	67.84	9,091.47	23.00	22.12	22.72																							
6/18/2015	Granby, NY	4	21.78	87.10	9,178.57	19.92	21.10	25.17	20.91																						
6/19/2015	Granby, NY	2	22.16	44.32	9,222.89	22.35	21.97																								
6/22/2015	Granby, NY	7	24.09	168.66	9,391.55	23.63	23.67	23.81	24.77	25.10	24.56	23.12																			
6/23/2015	Granby, NY	15	23.12	346.73	9,738.28	20.18	21.96	22.45	21.92	24.38	22.76	24.94	21.91	23.13	24.59	20.47	23.41	25.28	25.16	24.19											
6/24/2015	Granby, NY	26	23.72	616.65	10,354.93	21.83	27.54	19.83	22.80	25.05	24.75	25.57	22.72	23.40	22.73	25.19	22.11	20.68	24.34	22.22	26.86	24.80	22.69	26.18	23.94	23.67	23.88	25.87	22.16	21.12	24.72
6/25/2015	Granby, NY	25	23.86	596.47	10,951.40	23.96	22.49	23.26	22.78	26.36	26.54	26.07	26.40	23.93	27.37	24.66	23.74	22.72	25.90	19.56	26.18	22.69	23.57	22.97	27.94	18.62	18.46	25.85	21.97	22.48	
6/26/2015	Granby, NY	15	21.32	319.78	11,271.18	20.08	24.05	23.32	25.64	23.92	19.97	18.07	21.08	22.09	19.41	17.15	20.54	24.14	20.94	19.38											
6/30/2015	Granby, NY	12	22.63	271.61	11,542.79	22.57	22.35	24.10	21.34	22.97	22.84	21.51	23.38	22.84	22.65	22.06	23.00														
7/6/2015	Granby, NY	4	23.79	95.16	11,637.95	23.22	23.13	24.50	24.31																						
7/7/2015	Granby, NY	18	24.21	435.72	12,073.67	21.77	24.79	24.55	24.22	24.17	23.03	23.45	24.16	23.99	25.19	25.53	24.92	24.53	23.76	23.21	24.75	24.57	25.13								
7/8/2015	Granby, NY	22	23.74	522.34	12,596.01	22.28	23.34	23.59	26.31	24.27	24.43	24.83	24.93	25.36	23.60	24.09	22.56	22.03	23.74	22.03	23.29	23.03	22.74	23.35	25.35	22.68	24.51				
7/9/2015	Granby, NY	14	22.24	311.34	12,907.35	22.19	21.76	23.27	21.48	20.53	22.40	20.94	22.74	21.56	26.10	22.61	21.00	23.79	20.97												
7/13/2015	Granby, NY	15	21.34	320.14	13,227.49	21.88	21.14	20.97	23.10	23.15	19.03	19.58	24.87	19.60	19.18	22.05	21.91	21.33	20.76	21.59											
7/14/2015	Granby, NY	6	20.90	125.41	13,352.90	22.86	22.58	20.59	18.89	18.00	22.49																				
7/17/2015	Granby, NY	3	21.49	64.48	13,417.38	23.50	19.92	21.06																							
7/20/2015	Granby, NY	2	24.53	49.06	13,466.44	24.54	24.52																								
7/21/2015	Granby, NY	8	24.53	196.22	13,662.66	25.89	25.32	23.06	23.13	23.07	24.00	25.81	25.94																		
7/22/2015	Granby, NY	2	25.56	51.12	13,713.78	25.80	25.32																								
7/24/2015	Granby, NY	3	22.17	66.52	13,780.30	21.99	21.71	22.82																							
7/28/2015	Granby, NY	5	22.62	113.08	13,893.38	21.32	21.05	25.90	20.20	24.61																					
7/30/2015	Granby, NY	17	23.56	400.47	14,293.85	23.06	26.67	24.32	23.76	23.20	24.85	21.72	22.99	23.76	24.14	19.98	22.42	20.88	24.50	24.23	23.76	26.23									
8/4/2015	Granby, NY	2	24.01	48.02	14,341.87	23.05	24.97																								
8/5/2015	Granby, NY	4	23.64	94.56	14,436.43	23.59	23.57	23.32	24.08																						
8/6/2015	Granby, NY	2	24.85	49.69	14,486.12	24.19	25.50																								
8/7/2015	Granby, NY	8	24.35	194.83	14,680.95	23.47	24.42	24.75	22.73	24.65	25.09	24.32	25.40																		
8/10/2015	Granby, NY	12	23.61	283.36	14,964.31	26.19	20.83	22.25	26.49	21.80	24.83	23.62	26.39	22.05	21.54	23.66	23.71														
8/13/2015	Granby, NY	14	23.26	325.64	15,289.95	22.30	23.30	22.17	22.12	23.78	22.85	22.87	22.70	23.63	22.84	23.69	24.15	24.70	24.54												
8/14/2015	Granby, NY	3	24.42	73.25	15,363.20	23.54	25.19	24.52																							
8/17/2015	Granby, NY	10	22.11	221.12	15,584.32	20.59	22.60	22.47	20.78	24.45	21.39	22.27	23.34	21.97	21.26																
8/18/2015	Granby, NY	5	22.36	111.82	15,696.14	23.07	22.02	21.72	21.18	23.83																					
8/20/2015	Granby, NY	3	23.80	71.40	15,767.54	24.29	23.24	23.87																							
8/21/2015	Granby, NY	8	23.40	187.19	15,954.73	22.98	24.33	23.26	24.30	22.15	22.33	24.13	23.71																		
8/24/2015	Granby, NY	10	24.36	243.55	16,198.28	21.88	21.58	20.49	22.89	22.90	20.85	20.13	36.87	33.83	22.13																
8/25/2015	Granby, NY	12	21.21	254.52	16,452.80	23.21	21.27	21.58	21.09	20.86	20.70	24.04	23.22	19.17	20.38	18.32	20.68														
8/28/2015	Granby, NY	4	21.96	87.83	16,540.63	22.50	22.33	22.00	21.00																						
9/2/2015	Silk Road	3	22.86	68.57	16,609.20	24.44	22.94	21.19																							
9/14/2015	Granby, NY	18	22.68	408.30	17,017.50	24.73	24.32	22.42	21.34	20.32	22.84	21.91	22.89	24.69	20.66	23.24	22.85	19.30	22.47	23.81	22.12	23.76	24.63								
9/15/2015	Granby, NY	1	24.43	24.43	17,041.93	24.43																									
9/16/2015	Silk Road	2	22.99	45.97	17,087.90	22.93	23.04																								
9/17/2015	Silk Road	1	23.28	23.28	17,111.18	23.28																									
9/21/2015	Granby, NY	4	22.46	89.84	17,201.02	21.80	23.69	22.18	22.17																						
9/22/2015	Silk Road	11	20.70	227.65	17,428.67	20.16	20.95	19.60	20.38	19.52	21.68	21.44	21.28	20.13	20.33	22.18															
9/23/2015	Silk Road	5	20.46	102.29	17,530.96	20.41	20.01	19.98	21.20	20.69																					
9/25/2015	Silk Road	1	23.56	23.56	17,554.52	23.56																									
10/1/2015	Silk Road	2	23.07	46.13	17,600.65	24.42	21.71																								
10/5/2015	Silk Road	2	22.07	44.13	17,644.78	21.44	22.69																								
10/6/2015	Silk Road	1	22.73	22.73	17,667.51	22.73																									
10/8/2015	Silk Road	2	18.44	36.87	17,704.38	19.01	17.86																								
10/14/2015	Silk Road	2	21.42	42.83	17,747.21	22.10	20.73																								
10/15/2015	Silk Road	5	21.39	106.96	17,854.17	21.04	21.71	21.79	19.68	22.74																					
10/16/2015	Silk Road	1	21.42	21.42	17,875.59	21.42																									
10/19/2015	Silk Road	3	22.24	66.72	17,942.31	21.43	23.70	21.59																							
10/20/2015	Silk Road	3	21.79	65.37	18,007.68	21.11	22.40	21.86																							
10/21/2015	Silk Road	13	22.34	290.37	18,298.05	22.38	21.47	24.01	23.10	23.34	20.53	21.18	20.15	23.41	22.86	23.97	21.45	22.52													

Table 7B
Materials Summary - General Fill
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Date	Source Location	Total Loads	Average Qty/Load tons	Daily Total tons	Cum. Total tons	Daily Load Number 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
10/30/2015	Silk Road	1	24.40	24.40	18,322.45	24.40																									
11/3/2015	Silk Road	4	24.00	96.00	18,418.45	24.00	24.00	24.00	24.00																						
11/4/2015	Silk Road	1	24.00	24.00	18,442.45	24.00																									
11/9/2015	Silk Road	2	24.00	48.00	18,490.45	24.00	24.00																								
11/10/2015	Silk Road	3	24.33	73.00	18,563.45	24.00	24.00	25.00																							
11/11/2015	Silk Road	8	22.89	183.09	18,746.54	22.22	24.26	23.38	22.47	23.04	20.84	24.46	22.42																		
11/12/2015	Silk Road	3	22.21	66.62	18,813.16	22.90	22.09	21.63																							
12/4/2015	Silk Road	2	23.82	47.64	18,860.80	23.73	23.91																								
12/7/2015	Granby, NY	4	22.00	88.00	18,948.80	22.00	22.00	22.00	22.00																						
12/9/2015	Granby, NY	6	21.69	130.11	19,078.91	21.50	22.93	20.85	21.72	21.65	21.46																				
12/12/2015	Hannibal	18	22.20	399.61	19,478.52	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.84	22.78	23.26	22.00	22.00	22.00	22.00	22.00	22.73								
12/23/2015	Granby, NY	5	24.09	120.45	19,598.97	25.22	21.38	24.92	23.98	24.95																					
1/5/2016	Granby, NY	6	21.53	129.16	19,728.13	19.83	20.52	22.20	22.07	22.53	22.01																				
1/6/2016	Granby, NY	4	21.77	87.09	19,815.22	22.09	21.00	21.89	22.11																						
5/24/2016	Granby, NY	1	22.00	22.00	19,837.22	22.00																									
5/26/2016	Granby, NY	5	22.50	112.50	19,949.72	23.00	22.00	22.00	22.50	23.00																					
6/13/2016	Granby, NY	1	23.00	23.00	19,972.72	23.00																									
6/15/2016	Granby, NY	1	23.00	23.00	19,995.72	23.00																									
6/30/2016	Granby, NY	4	23.59	94.34	20,090.06	24.63	23.49	24.07	22.15																						
7/1/2016	Granby, NY	2	25.80	51.60	20,141.66	26.29	25.31																								
7/6/2016	Granby, NY	5	23.95	119.76	20,261.42	22.68	24.52	23.76	23.39	25.41																					
7/7/2016	Hannibal	1	27.83	27.83	20,289.25	27.83																									
7/8/2016	Granby, NY	2	25.26	50.51	20,339.76	27.7	22.81																								
7/11/2016	Granby, NY	5	22.87	114.37	20,454.13	19.37	18.83	26.79	26.15	23.23																					
7/12/2016	Granby, NY	6	23.46	140.78	20,594.91	24.24	21.14	22.11	23.31	24.36	25.62																				
7/13/2016	Granby, NY	2	23.89	47.77	20,642.68	23.24	24.53																								
7/25/2016	Granby, NY	2	25.83	51.65	20,694.33	25.26	26.39																								
7/26/2016	Granby, NY	1	22.36	22.36	20,716.69	22.36																									
7/27/2016	Granby, NY	3	22.59	67.76	20,784.45	22.75	23.40	21.61																							
7/28/2016	Granby, NY	6	24.78	148.70	20,933.15	22.19	22.24	23.21	21.44	33.58	26.04																				
7/29/2016	Granby, NY	4	24.53	98.11	21,031.26	23.25	26.34	24.07	24.45																						
8/3/216	Granby, NY	2	26.75	53.50	21,084.76	26.85	26.65																								
8/5/2016	Granby, NY	2	25.97	51.94	21,136.70	25.86	26.08																								
8/9/2016	Granby, NY	3	27.25	81.75	21,218.45	27.37	28.48	25.90																							
8/10/2016	Granby, NY	1	25.61	25.61	21,244.06	25.61																									
8/22/2016	Granby, NY	1	22.32	22.32	21,266.38	22.32																									
9/7/2016	Granby, NY	6	25.47	152.79	21,419.17	22.80	26.65	26.79	26.23	22.91	27.41																				
9/8/2016	Granby, NY	2	26.70	53.39	21,472.56	27.45	25.94																								
9/9/2016	Granby, NY	6	29.22	175.33	21,647.89	33.23	32.80	27.93	28.23	25.40	27.74																				
9/12/2016	Granby, NY	6	25.64	153.81	21,801.70	27.23	24.04	27.15	24.69	24.79	25.91																				
9/13/2016	Granby, NY	4	24.62	98.46	21,900.16	23.20	25.13	23.98	26.15																						
9/14/2016	Granby, NY	1	24.61	24.61	21,924.77	24.61																									
9/15/2016	Granby, NY	1	27.74	27.74	21,952.51	27.74																									
9/19/2016	Granby, NY	1	28.71	28.71	21,981.22	28.71																									
9/22/2016	Granby, NY	1	24.96	24.96	22,006.18	24.96																									
9/27/2016	Granby, NY	2	28.45	56.90	22,063.08	25.74	31.16																								
10/6/2016	Granby, NY	1	25.20	25.20	22,088.28	25.20																									
4/3/2017	Hannibal	1	22.00	22.00	22,110.28	22.00																									
4/4/2017	Hannibal	2	22.50	45.00	22,155.28	22.00	23.00																								
4/5/2017	Hannibal	5	22.20	111.00	22,266.28	23.00	22.00	23.00	21.00	22.00																					
4/6/2017	Hannibal	6	21.87	131.20	22,397.48	21.00	22.50	21.50	22.20	21.00	23.00																				
Total Loads:		**984**	**Total Tons:**		**22,397**																										

Table 7C
Materials Summary - Topsoil
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Date	Source Location	Total Loads	Average Qty/Load (cubic yards)	Daily Total (cubic yards)	Cum. Total (cubic yards)	Daily Load Number 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
9/5/2014	Northern Blvd	3	16.00	48.00	48.00	16.0	16.0	16.0																														
9/8/2014	Northern Blvd	1	18.00	18.00	66.00	18.0																																
9/15/2014	Northern Blvd	1	18.00	18.00	84.00	18.0																																
9/16/2014	Northern Blvd	1	18.00	18.00	102.00	18.0																																
9/30/2014	Northern Blvd	9	19.78	178.00	280.00	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0																								
10/1/2014	Northern Blvd	11	18.00	198.00	478.00	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0																						
10/7/2014	Northern Blvd	4	16.00	64.00	542.00	16.0	16.0	16.0	16.0																													
11/3/2014	Northern Blvd	16	18.00	288.00	830.00	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0																	
11/4/2014	Northern Blvd	10	16.00	160.00	990.00	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0																							
11/6/2014	Northern Blvd	3	16.67	50.00	1,040.00	16.0	16.0	18.0																														
11/11/2014	Northern Blvd	5	16.00	80.00	1,120.00	16.0	16.0	16.0	16.0	16.0																												
12/5/2014	Northern Blvd	1	16.00	16.00	1,136.00	16.0																																
12/8/2014	Northern Blvd	2	16.00	32.00	1,168.00	16.0	16.0																															
12/9/2014	Northern Blvd	4	18.00	72.00	1,240.00	18.0	18.0	18.0	18.0																													
5/20/2015	Northern Blvd	11	15.45	170.00	1,410.00	15.0	15.0	15.0	15.0	15.0	15.0	16.0	16.0	16.0	16.0	16.0																						
5/27/2015	Northern Blvd	20	16.00	320.00	1,730.00	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0													
5/28/2015	Northern Blvd	33	16.00	528.00	2,258.00	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
7/20/2015	Northern Blvd	2	18.00	36.00	2,294.00	18.0	18.0																															
7/21/2015	Northern Blvd	2	18.00	36.00	2,330.00	18.0	18.0																															
7/22/2015	Northern Blvd	2	18.00	36.00	2,366.00	18.0	18.0																															
7/30/2015	Northern Blvd	4	18.00	72.00	2,438.00	18.0	18.0	18.0	18.0																													
8/3/2015	Northern Blvd	6	18.00	108.00	2,546.00	18.0	18.0	18.0	18.0	18.0	18.0																											
8/4/2015	Northern Blvd	10	18.00	180.00	2,726.00	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0																							
8/6/2015	Northern Blvd	1	18.00	18.00	2,744.00	18.0																																
8/14/2015	Northern Blvd	7	19.71	138.00	2,882.00	20.0	20.0	20.0	20.0	18.0	20.0	20.0																										
8/17/2015	Northern Blvd	7	18.57	130.00	3,012.00	18.0	18.0	20.0	20.0	18.0	18.0	18.0																										
8/18/2015	Northern Blvd	10	18.40	184.00	3,196.00	20.0	20.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0																							
8/19/2015	Northern Blvd	6	18.00	108.00	3,304.00	18.0	18.0	18.0	18.0	18.0	18.0																											
8/24/2015	Northern Blvd	3	18.00	54.00	3,358.00	18.0	18.0	18.0																														
8/25/2015	Northern Blvd	16	18.00	288.00	3,646.00	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0																	
8/26/2015	Northern Blvd and US Rt.11 (Brewerton)	18	17.22	310.00	3,956.00	16.0	16.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	16.0	16.0	16.0	16.0	16.0															
8/27/2015	US Rt. 11 (Brewerton)	7	17.43	122.00	4,078.00	20.0	16.0	16.0	16.0	18.0	18.0	18.0																										
8/28/2015	US Rt. 11 (Brewerton)	3	20.00	60.00	4,138.00	20.0	20.0	20.0																														
8/31/2015	US Rt. 11 (Brewerton)	6	18.00	108.00	4,246.00	20.0	16.0	16.0	16.0	20.0	20.0																											
9/1/2015	US Rt. 11 (Brewerton)	6	20.00	120.00	4,366.00	20.0	20.0	20.0	20.0	20.0	20.0																											
9/2/2015	US Rt. 11 (Brewerton)	1	16.00	16.00	4,382.00	16.0																																
9/3/2015	US Rt. 11 (Brewerton)	5	18.40	92.00	4,474.00	20.0	20.0	20.0	16.0	16.0																												
9/8/2015	US Rt. 11 (Brewerton)	11	16.00	176.00	4,650.00	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0																						
9/10/2015	US Rt. 11 (Brewerton)	1	16.00	16.00	4,666.00	16.0																																
9/17/2015	US Rt. 11 (Brewerton)	2	16.00	32.00	4,698.00	16.0	16.0																															
9/22/2015	US Rt. 11 (Brewerton)	2	16.00	32.00	4,730.00	16.0	16.0																															
9/25/2015	US Rt. 11 (Brewerton)	1	16.00	16.00	4,746.00	16.0																																
10/5/2015	US Rt. 11 (Brewerton)	2	16.00	32.00	4,778.00	16.0	16.0																															
10/8/2015	US Rt. 11 (Brewerton)	2	18.00	36.00	4,814.00	18.0	18.0																															
10/12/2015	US Rt. 11 (Brewerton)	2	18.00	36.00	4,850.00	18.0	18.0																															
10/21/2015	US Rt. 11 (Brewerton)	2	18.00	36.00	4,886.00	18.0	18.0																															
10/22/2015	US Rt. 11 (Brewerton)	2	18.00	36.00	4,922.00	18.0	18.0																															
11/12/2015	US Rt. 11 (Brewerton)	2	18.00	36.00	4,958.00	18.0	18.0																															
11/16/2015	US Rt. 11 (Brewerton)	1	18.00	18.00	4,976.00	18.0																																
11/17/2015	US Rt. 11 (Brewerton)	1	18.00	18.00	4,994.00	18.0																																
12/4/2015	US Rt. 11 (Brewerton)	2	18.00	36.00	5,030.00	18.0	18.0																															
12/8/2015	US Rt. 11 (Brewerton)	1	10.00	10.00	5,040.00	10.0																																
4/14/2016	Silk Road	2	16.00	32.00	5,072.00	16.0	16.0																															

Table 7C
Materials Summary - Topsoil
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Date	Source Location	Total Loads	Average Qty/Load (cubic yards)	Daily Total (cubic yards)	Cum. Total (cubic yards)	Daily Load Number																																
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
4/15/2016	Silk Road	1	16.00	16.00	5,088.00	16.0																																
4/18/2016	Silk Road	3	16.00	48.00	5,136.00	16.0	16.0	16.0																														
4/25/2016	Silk Road	3	18.00	54.00	5,190.00	18.0	18.0	18.0																														
4/27/2016	Silk Road	4	16.00	64.00	5,254.00	16.0	16.0	16.0	16.0																													
4/28/2016	Silk Road	7	18.00	126.00	5,380.00	18.0	18.0	18.0	18.0	18.0	18.0	18.0																										
5/17/2016	Silk Road	1	18.00	18.00	5,398.00	18.0																																
5/25/2016	Silk Road	1	18.00	18.00	5,416.00	18.0																																
8/2/2016	Silk Road	3	18.00	54.00	5,470.00	18.0	18.0	18.0																														
8/25/2016	Silk Road	2	18.00	36.00	5,506.00	18.0	18.0																															
8/29/2016	Silk Road	1	18.00	18.00	5,524.00	18.0																																
9/15/2016	Silk Road	2	18.00	36.00	5,560.00	18.0	18.0																															
9/20/2016	Silk Road	2	18.00	36.00	5,596.00	18.0	18.0																															
9/25/2016	Granby	2	18.00	36.00	5,632.00	18.0	18.0																															
9/30/2016	Granby	2	18.00	36.00	5,668.00	18.0	18.0																															
10/5/2016	Granby	1	18.00	18.00	5,686.00	18.0																																
10/17/2016	Silk Road	2	18.00	36.00	5,722.00	18.0	18.0																															
10/18/2016	Silk Road	2	18.00	36.00	5,758.00	18.0	18.0																															
10/19/2016	Silk Road	1	18.00	18.00	5,776.00	18.0																																
10/25/2016	Silk Road	2	18.00	36.00	5,812.00	18.0	18.0																															
10/26/2016	Silk Road	1	18.00	18.00	5,830.00	18.0																																
11/10/2016	Silk Road	2	18.00	36.00	5,866.00	18.0	18.0																															
11/15/2016	Silk Road	2	18.00	36.00	5,902.00	18.0	18.0																															
11/17/2016	Silk Road	2	18.00	36.00	5,938.00	18.0	18.0																															
Total Loads:		**342**	**Total Cubic Yards:**		**5,938**																																	

Table 7D
Materials Summary - Crusher Run
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Date	Source	Total Loads	Average Qty/Load tons	Daily Total tons	Cum. Total tons	Daily Load Number 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
6/18/2014	Hanson Aggregates New York, LLC	8	22.36	178.84	178.84	22.14	22.38	23.32	22.61	22.59	22.38	20.42	23.00													
6/19/2014	Hanson Aggregates New York, LLC	5	22.37	111.86	290.70	23.21	22.38	22.22	21.96	22.09																
6/23/2014	Hanson Aggregates New York, LLC	5	22.39	111.93	402.63	23.17	23.23	22.21	21.70	21.62																
6/24/2014	Hanson Aggregates New York, LLC	16	21.98	351.74	754.37	23.49	22.49	22.45	22.70	21.83	22.57	22.45	21.02	23.85	21.14	22.08	21.65	20.42	20.10	21.94	21.56					
6/26/2014	Hanson Aggregates New York, LLC	21	22.01	462.11	1,216.48	23.09	22.80	20.23	24.21	22.77	20.21	22.52	22.77	20.58	22.08	22.87	21.61	20.89	22.40	22.52	21.66	21.01	22.59	22.54	22.18	20.58
7/8/2014	Hanson Aggregates New York, LLC	1	21.07	21.07	1,237.55	21.07																				
8/22/2014	Hanson Aggregates New York, LLC	1	22.02	22.02	1,259.57	22.02																				
12/19/2014	Hanson Aggregates New York, LLC	2	21.82	43.63	1,303.20	20.89	22.74																			
4/9/2015	Hanson Aggregates New York, LLC	1	23.57	23.57	1,326.77	23.57																				
4/17/2015	Hanson Aggregates New York, LLC	1	21.21	21.21	1,347.98	21.21																				
5/13/2015	Manchester Dolomite	2	21.33	42.65	1,390.63	21.73	20.92																			
6/5/2015	Hanson Aggregates New York, LLC	1	20.00	20.00	1,410.63	20.00																				
6/22/2015	Hanson Aggregates New York, LLC	1	22.64	22.64	1,433.27	22.64																				
6/23/2015	Hanson Aggregates New York, LLC	1	21.90	21.90	1,455.17	21.90																				
7/30/2015	Hanson Aggregates New York, LLC	1	23.88	23.88	1,479.05	23.88																				
8/13/2015	Hanson Aggregates New York, LLC	2	29.71	59.42	1,538.47	28.13	31.29																			
8/14/2015	Hanson Aggregates New York, LLC	5	32.66	163.32	1,701.79	30.55	35.99	29.97	31.00	35.81																
8/17/2015	Hanson Aggregates New York, LLC	4	30.25	120.98	1,822.77	31.37	30.30	29.27	30.04																	
9/8/2015	Hanson Aggregates New York, LLC	3	21.82	65.46	1,888.23	22.84	22.18	20.44																		
9/10/2015	Hanson Aggregates New York, LLC	2	22.81	45.62	1,933.85	22.79	22.83																			
9/21/2015	Hanson Aggregates New York, LLC	9	22.20	199.77	2,133.62	21.93	22.48	22.08	21.30	23.30	22.30	22.00	21.23	23.15												
9/22/2015	Hanson Aggregates New York, LLC	5	21.56	107.82	2,241.44	20.80	21.99	21.23	21.99	21.81																
10/12/2015	Hanson Aggregates New York, LLC	12	21.38	256.58	2,498.02	20.15	19.97	23.51	21.12	21.84	21.20	21.81	22.10	20.46	21.45	21.13	21.84									
11/3/2015	Hanson Aggregates New York, LLC	8	21.62	172.95	2,670.97	22.65	21.19	21.91	21.58	21.58	20.92	20.81	22.31													
11/4/2014	Hanson Aggregates New York, LLC	2	21.22	42.44	2,713.41	21.12	21.32																			
11/6/2015	Hanson Aggregates New York, LLC	1	22.17	22.17	2,735.58	22.17																				
11/11/2015	Hanson Aggregates New York, LLC	5	20.81	104.03	2,839.61	21.65	20.65	20.24	21.28	20.21																
11/12/2015	Hanson Aggregates New York, LLC	1	21.95	21.95	2,861.56	21.95																				
11/17/2015	Hanson Aggregates New York, LLC	1	22.90	22.90	2,884.46	22.90																				
12/11/2015	Hanson Aggregates New York, LLC	1	22.34	22.34	2,906.80	22.34																				
12/14/2015	Hanson Aggregates New York, LLC	2	20.54	41.08	2,947.88	19.87	21.21																			
2/2/2016	Hanson Aggregates New York, LLC	5	21.91	109.54	3,057.42	21.65	21.34	21.91	22.18	22.46																
2/8/2016	Hanson Aggregates New York, LLC	7	21.75	152.28	3,209.70	21.80	22.42	21.06	21.37	22.24	22.32	21.07														
2/29/2016	Hanson Aggregates New York, LLC	1	22.09	22.09	3,231.79	22.09																				
3/1/2016	Hanson Aggregates New York, LLC	6	21.85	131.08	3,362.87	21.83	21.35	22.04	21.31	22.47	22.08															
3/2/2016	Hanson Aggregates New York, LLC	5	21.31	106.57	3,469.44	21.05	20.68	21.77	21.98	21.09																
3/3/2016	Hanson Aggregates New York, LLC	7	21.37	149.58	3,619.02	22.61	21.06	21.71	21.24	20.60	20.97	21.39														
3/4/2016	Hanson Aggregates New York, LLC	6	21.53	129.18	3,748.20	21.81	21.36	21.62	21.92	20.65	21.82															
4/25/2016	Hanson Aggregates New York, LLC	6	21.89	131.31	3,879.51	20.86	21.69	22.87	22.34	21.43	22.12															
5/5/2016	Hanson Aggregates New York, LLC	2	21.62	43.23	3,922.74	22.24	20.99																			
6/30/2016	Hanson Aggregates New York, LLC	18	21.02	378.29	4,301.03	20.68	21.63	20.53	21.27	21.35	21.92	20.41	21.87	20.75	20.73	21.16	21.43	20.26	20.60	21.04	21.20	20.64	20.82			
7/8/2016	Hanson Aggregates New York, LLC	2	21.76	43.51	4,344.54	22.56	20.95																			
7/12/2016	Hanson Aggregates New York, LLC	2	21.48	42.96	4,387.50	21.01	21.95																			
7/18/2016	Hanson Aggregates New York, LLC	7	22.54	157.77	4,545.27	22.19	23.26	23.38	23.82	21.57	22.30	21.25														
7/19/2016	Hanson Aggregates New York, LLC	1	22.71	22.71	4,567.98	22.71																				
7/20/2016	Hanson Aggregates New York, LLC	6	22.38	134.26	4,702.24	23.07	22.23	24.10	20.55	22.91	21.40															
7/26/2016	Hanson Aggregates New York, LLC	1	23.23	23.23	4,725.47	23.23																				
7/29/2016	Hanson Aggregates New York, LLC	1	23.22	23.22	4,748.69	23.22																				
8/10/2016	Hanson Aggregates New York, LLC	2	21.78	43.55	4,792.24	22.15	21.40																			
10/3/2016	W.F. Saunders	2	23.83	47.65	4,839.89	23.52	24.13																			
10/17/2016	Hanson Aggregates New York, LLC	1	21.38	21.38	4,861.27	21.38																				
10/31/2016	Hanson Aggregates New York, LLC	2	20.69	41.37	4,902.64	20.73	20.64																			
11/4/2016	W.F. Saunders	1	24.63	24.63	4,927.27	24.63																				
11/9/2016	W.F. Saunders	1	23.52	23.52	4,950.79	23.52																				
3/28/2017	Callanan Industries, Inc	1	21.97	21.97	4,972.76	21.97																				
3/30/2017	Callanan Industries, Inc	1	19.96	19.96	4,992.72	19.96																				
Total Loads:		**224**	**Total Tons:**		**4,993**																					

Table 7E
Materials Summary - Light Stone Fill
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Date	Source	Total Loads	Average Qty/Load tons	Daily Total tons	Cum. Total tons	Daily Load Number 1	2	3	4	5	6	7	8	9	10	11
7/21/2014	Hanson Aggregates New York, LLC	1	23.65	23.65	23.65	23.65										
8/5/2014	Hanson Aggregates New York, LLC	1	24.18	24.18	47.83	24.18										
9/17/2014	Hanson Aggregates New York, LLC	1	21.62	21.62	69.45	21.62										
9/23/2014	Hanson Aggregates New York, LLC	3	21.83	65.50	134.95	22.65	21.10	21.75								
10/3/2014	Hanson Aggregates New York, LLC	2	22.26	44.51	179.46	23.74	20.77									
10/13/2014	Hanson Aggregates New York, LLC	1	23.55	23.55	203.01	23.55										
10/15/2014	Hanson Aggregates New York, LLC	4	13.52	54.09	257.10	13.28	13.67	13.98	13.16							
10/24/2014	Hanson Aggregates New York, LLC	2	22.21	44.42	301.52	23.17	21.25									
11/24/2014	Callanan Industries, Inc	2	21.01	42.02	343.54	20.89	21.13									
4/14/2015	Hanson Aggregates New York, LLC	1	23.06	23.06	366.60	23.06										
5/12/2015	Hanson Aggregates New York, LLC	5	22.09	110.45	477.05	21.87	21.47	22.34	22.47	22.30						
5/14/2015	Hanson Aggregates New York, LLC	4	22.63	90.52	567.57	23.35	22.22	24.22	20.73							
5/20/2015	Hanson Aggregates New York, LLC	1	22.81	22.81	590.38	22.81										
5/27/2015	Hanson Aggregates New York, LLC	3	30.50	91.51	681.89	30.19	30.62	30.70								
6/1/2015	Hanson Aggregates New York, LLC	4	30.29	121.15	803.04	31.02	30.80	30.21	29.12							
6/3/2015	Hanson Aggregates New York, LLC	4	30.72	122.88	925.92	29.68	31.62	30.12	31.46							
6/9/2015	T H Kinsella, Inc.	3	23.71	71.12	997.04	24.05	23.25	23.82								
6/10/2015	T H Kinsella, Inc.	8	23.14	185.11	1,182.15	22.89	23.09	23.66	22.46	23.23	24.33	21.93	23.52			
6/11/2015	T H Kinsella, Inc.	5	23.02	115.12	1,297.27	23.98	23.60	22.88	22.85	21.81						
6/19/2015	Hanson Aggregates New York, LLC	2	21.44	42.88	1,340.15	21.72	21.16									
6/22/2015	Hanson Aggregates	1	21.37	21.37	1,361.52	21.37										
7/1/2015	Hanson Aggregates	2	21.62	43.24	1,404.76	22.65	20.59									
7/9/2015	Hanson Aggregates New York, LLC	2	21.35	42.69	1,447.45	20.87	21.82									
8/4/2015	Hanson Aggregates New York, LLC	1	20.75	20.75	1,468.20	20.75										
8/6/2015	Hanson Aggregates New York, LLC	2	21.39	42.77	1,510.97	21.18	21.59									
8/11/2015	Hanson Aggregates New York, LLC	1	31.29	31.29	1,542.26	31.29										
8/12/2015	Hanson Aggregates New York, LLC	2	22.64	45.27	1,587.53	22.45	22.82									
8/24/2015	Hanson Aggregates New York, LLC	1	30.07	30.07	1,617.60	30.07										
8/26/2015	Hanson Aggregates New York, LLC	2	22.03	44.05	1,661.65	21.81	22.24									
8/31/2015	Hanson Aggregates New York, LLC	7	22.25	155.76	1,817.41	22.01	23.19	22.33	21.82	22.03	21.72	22.66				
9/15/2015	Hanson Aggregates New York, LLC	1	20.79	20.79	1,838.20	20.79										
9/16/2015	Hanson Aggregates New York, LLC	2	22.20	44.40	1,882.60	21.96	22.44									
9/17/2015	Hanson Aggregates New York, LLC	1	22.70	22.70	1,905.30	22.70										
9/24/2015	Hanson Aggregates New York, LLC	4	20.73	82.92	1,988.22	22.13	23.81	15.29	21.69							
9/25/2015	Hanson Aggregates New York, LLC	2	20.98	41.96	2,030.18	20.64	21.32									
9/29/2015	Hanson Aggregates New York, LLC	2	21.60	43.20	2,073.38	22.29	20.91									
10/1/2015	Hanson Aggregates New York, LLC	1	21.36	21.36	2,094.74	21.36										
10/20/2015	Hanson Aggregates New York, LLC	2	22.25	44.49	2,139.23	21.99	22.50									
10/27/2015	Hanson Aggregates New York, LLC	3	20.33	60.98	2,200.21	19.84	20.24	20.90								
10/28/2015	Hanson Aggregates New York, LLC	2	22.31	44.61	2,244.82	22.89	21.72									
11/3/2015	Hanson Aggregates New York, LLC	3	22.10	66.29	2,311.11	21.31	22.93	22.05								
11/4/2015	Hanson Aggregates New York, LLC	4	22.43	89.73	2,400.84	23.07	22.27	22.28	22.11							
11/10/2015	Hanson Aggregates New York, LLC	1	22.31	22.31	2,423.15	22.31										
11/11/2015	Hanson Aggregates New York, LLC	1	22.23	22.23	2,445.38	22.23										
12/10/2015	Hanson Aggregates New York, LLC	3	21.99	65.97	2,511.35	21.82	22.19	21.96								
12/14/2015	Hanson Aggregates New York, LLC	8	21.84	174.71	2,686.06	20.62	22.98	22.46	21.83	20.72	22.07	22.82	21.21			
4/13/2016	Hanson Aggregates New York, LLC	1	24.01	24.01	2,710.07	24.01										
5/25/2016	Hanson Aggregates New York, LLC	8	21.96	175.65	2,885.72	22.24	22.55	23.02	22.45	20.79	22.53	20.41	21.66			
5/26/2016	Hanson Aggregates New York, LLC	2	22.23	44.45	2,930.17	21.71	22.74									
6/1/2016	Hanson Aggregates New York, LLC	1	22.35	22.35	2,952.52	22.35										
6/6/2016	Hanson Aggregates New York, LLC	2	23.05	46.10	2,998.62	23.18	22.92									

Table 7E
Materials Summary - Light Stone Fill
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

			Average	Daily												
		Total	Qty/Load	Total	Cum. Total	Daily Load Number										
Date	Source	Loads	tons	tons	tons	1	2	3	4	5	6	7	8	9	10	11
6/7/2016	Hanson Aggregates New York, LLC	3	22.71	68.13	3,066.75	21.78	23.79	22.56								
6/9/2016	Hanson Aggregates New York, LLC	3	23.41	70.22	3,136.97	23.96	21.65	24.61								
6/20/2016	Hanson Aggregates New York, LLC	1	22.38	22.38	3,159.35	22.38										
6/27/2016	Hanson Aggregates New York, LLC	2	22.89	45.78	3,205.13	21.95	23.83									
7/1/2016	Hanson Aggregates New York, LLC	2	20.74	41.48	3,246.61	20.74	20.74									
7/6/2016	Hanson Aggregates New York, LLC	9	21.10	189.92	3,436.53	21.82	20.72	21.43	20.78	20.77	21.59	20.59	20.99	21.23		
7/7/2016	Hanson Aggregates New York, LLC	3	21.59	64.77	3,501.30	21.99	21.43	21.35								
7/8/2016	Hanson Aggregates New York, LLC	6	21.44	128.64	3,629.94	21.12	21.31	21.43	22.30	22.08	20.40					
7/11/2016	Hanson Aggregates New York, LLC	4	23.42	93.66	3,723.60	24.24	24.79	22.18	22.45							
7/12/2016	Hanson Aggregates New York, LLC	6	21.97	131.80	3,855.40	21.90	22.45	22.53	21.51	21.91	21.50					
7/13/2016	Hanson Aggregates New York, LLC	6	21.95	131.72	3,987.12	22.48	22.66	22.10	21.32	22.42	20.74					
7/22/2016	W.F. Saunders	4	22.42	89.67	4,076.79	21.76	23.04	22.24	22.63							
7/25/2016	W.F. Saunders	1	24.67	24.67	4,101.46	24.67										
7/26/2016	W.F. Saunders	3	23.79	71.37	4,172.83	22.52	24.15	24.70								
7/27/2016	W.F. Saunders	8	23.02	184.16	4,356.99	23.01	22.99	23.29	23.09	22.79	22.72	23.28	22.99			
7/28/2016	W.F. Saunders	2	23.32	46.63	4,403.62	22.73	23.90									
7/29/2016	W.F. Saunders	7	21.91	153.37	4,556.99	20.90	18.78	23.43	19.74	23.95	23.77	22.80				
8/1/2016	W.F. Saunders	1	24.54	24.54	4,581.53	24.54										
8/2/2016	W.F. Saunders	2	23.94	47.87	4,629.40	23.73	24.14									
8/3/2016	W.F. Saunders	3	22.81	68.42	4,697.82	22.29	23.75	22.38								
8/5/2016	W.F. Saunders	4	34.36	137.45	4,835.27	34.42	34.33	34.24	34.46							
8/8/2016	W.F. Saunders	2	24.75	49.50	4,884.77	25.13	24.37									
8/9/2016	W.F. Saunders	6	26.94	161.62	5,046.39	22.84	24.90	23.95	24.89	33.12	31.92					
8/10/2016	W.F. Saunders	1	22.60	22.60	5,068.99	22.60										
8/22/2016	W.F. Saunders	2	25.33	50.66	5,119.65	24.90	25.76									
9/2/2016	W.F. Saunders	4	24.16	96.65	5,216.30	24.73	23.82	23.95	24.15							
9/8/2016	W.F. Saunders	2	20.98	41.96	5,258.26	20.50	21.46									
9/9/2016	W.F. Saunders	4	21.98	87.93	5,346.19	22.02	20.32	23.73	21.86							
9/19/2016	W.F. Saunders	3	22.96	68.88	5,415.07	23.22	22.57	23.09								
9/21/2016	W.F. Saunders	2	23.24	46.48	5,461.55	23.84	22.64									
9/22/2016	W.F. Saunders	4	23.46	93.82	5,555.37	23.31	23.41	23.56	23.54							
9/26/2016	W.F. Saunders	2	21.41	42.82	5,598.19	21.14	21.68									
9/27/2016	W.F. Saunders	2	23.80	47.59	5,645.78	23.97	23.62									
9/28/2016	W.F. Saunders	1	20.58	20.58	5,666.36	20.58										
9/29/2016	W.F. Saunders	4	23.28	93.11	5,759.47	23.97	22.57	23.76	22.81							
10/6/2016	W.F. Saunders	4	22.66	90.62	5,850.09	23.47	23.07	23.31	20.77							
10/10/2016	W.F. Saunders	2	23.54	47.08	5,897.17	23.99	23.09									
10/31/2016	W.F. Saunders	2	23.73	47.46	5,944.63	23.96	23.50									
11/2/2016	W.F. Saunders	11	23.03	253.32	6,197.95	22.57	23.93	23.26	22.23	23.65	23.09	23.15	23.04	22.89	22.36	23.15
11/4/2016	W.F. Saunders	3	24.09	72.26	6,270.21	24.62	23.95	23.69								
11/8/2016	W.F. Saunders	2	23.35	46.70	6,316.91	23.93	22.77									
11/9/2016	W.F. Saunders	3	23.19	69.58	6,386.49	24.00	22.04	23.54								
11/10/2016	W.F. Saunders	8	24.16	193.28	6,579.77	23.15	23.40	22.12	25.39	26.27	24.98	23.59	24.38			
11/14/2016	W.F. Saunders	4	23.75	95.01	6,674.78	23.33	22.87	24.88	23.93							
11/15/2016	W.F. Saunders	3	26.44	79.33	6,754.11	26.65	26.94	25.74								
4/3/2017	Callanan Industries, Inc	2	21.11	42.22	6,796.33	20.73	21.49									
Total Loads:		**295**	**Total Tons:**		**6,796**											

Table 7F
Materials Summary - Medium Stone Fill
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Date	Source	Total Loads	Average Qty/Load tons	Daily Total tons	Cum. Total tons	Daily Load Number 1	2	3
10/13/2014	Hanson Aggregates New York, LLC	1	14.32	14.32	14.32	14.32		
5/7/2015	Hanson Aggregates New York, LLC	1	5.03	5.03	19.35	5.03		
5/26/2015	Hanson Aggregates New York, LLC	1	28.40	28.40	47.75	28.40		
5/27/2015	Hanson Aggregates New York, LLC	2	29.76	59.51	107.26	31.32	28.19	
7/22/2015	Hanson Aggregates New York, LLC	1	31.89	31.89	139.15	31.89		
8/11/2015	Hanson Aggregates New York, LLC	1	29.11	29.11	168.26	29.11		
8/13/2015	Hanson Aggregates New York, LLC	1	31.28	31.28	199.54	31.28		
8/24/2015	Hanson Aggregates New York, LLC	2	30.53	61.06	260.60	30.79	30.27	
8/28/2015	Hanson Aggregates New York, LLC	3	29.90	89.71	350.31	29.41	29.18	31.12
9/16/2015	Hanson Aggregates New York, LLC	1	29.35	29.35	379.66	29.35		
9/17/2015	Hanson Aggregates New York, LLC	1	29.82	29.82	409.48	29.82		
12/14/2015	Hanson Aggregates New York, LLC	2	30.79	61.58	471.06	31.19	30.39	
6/23/2016	Hanson Aggregates New York, LLC	2	30.63	61.25	532.31	30.51	30.74	
6/27/2016	Hanson Aggregates New York, LLC	2	29.22	58.44	590.75	28.79	29.65	
8/30/2016	Sodus Pit	1	29.88	29.88	620.63	29.88		
8/31/2016	Sodus Pit	1	31.52	31.52	652.15	31.52		
9/1/2016	Sodus Pit	1	31.59	31.59	683.74	31.59		
9/9/2016	Sodus Pit	2	33.085	66.17	749.91	31.82	34.35	
Total Loads:		**26**	**Total Tons:**		**750**			

Table 7G
Materials Summary - #1 and #2 Gravels
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

Date	Source	Total Loads	Average Qty/Load tons	Daily Total tons	Cum. Total tons	Daily Load Number 1	2	3	4	5	6
5/6/2015	Silk Road	1	22.13	22.13	22.13	22.13					
5/28/2015	Hanson Aggregates New York, LLC	1	22.19	22.19	44.32	22.19					
6/22/2015	Silk Road	1	21.79	21.79	66.11	21.79					
8/3/2015	Silk Road	2	20.85	41.69	107.80	20.72	20.97				
8/10/2015	Hanson Aggregates New York, LLC	3	22.65	67.94	175.74	17.90	20.38	29.66			
8/11/2015	Hanson Aggregates New York, LLC	4	24.30	97.20	272.94	28.94	22.96	22.12	23.18		
9/29/2015	Hanson Aggregates New York, LLC	6	27.09	162.54	435.48	21.72	23.32	31.57	31.87	21.67	32.39
10/2/2015	Hanson Aggregates New York, LLC	1	20.63	20.63	456.11	20.63					
10/19/2015	Hanson Aggregates New York, LLC	2	21.49	42.97	499.08	21.12	21.85				
11/20/2015	Hanson Aggregates New York, LLC	1	21.87	21.87	520.95	21.87					
11/23/2015	Hanson Aggregates New York, LLC	4	21.42	85.66	606.61	21.47	22.27	21.23	20.69		
11/25/2015	Hanson Aggregates New York, LLC	1	22.01	22.01	628.62	22.01					
12/10/2015	Hanson Aggregates New York, LLC	1	25.06	25.06	653.68	25.06					
11/8/2016	Hanson Aggregates New York, LLC	1	22.36	22.36	676.04	22.36					
Total Loads:		**29**	**Total Tons:**		**676**						

Table 8
Plant and Seed Quantity by Habitat Area
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

				As Proposed		As Planted
Habitat Area Name	Common Name	Scientific Name	Common name	Size	Quantity	Quantity
		Trees				
PFO 1	Wetland forest	*Acer rubrum*	Red maple	2.5-3 in	See Note 1	24
16,829 sf		*Quercus palustris*	Pin oak	2.5-3 in	See Note 1	24
(0.3863 a)		*Salix niger*	Black willow	2.5-3 in	See Note 1	18
		Betula nigra	River birch	2.5-3 in	See Note 1	13
		Quercus bicolor	Swamp white oak	2.5-3 in	See Note 1	5
						84
		Shrubs and Seed Mix				
		Cornus amomum	Silky dogwood	Live stakes	108	104
		Alnus incana	Speckled alder	3 gal	45	47
		Sambucus canadensis	Elderberry	3 gal	57	57
		Cephalanthus occidentalis	Buttonbush		NA	1
					210	209
		Wetland Habitat (PA New England Province FACW Mix)	ERNMX-251	20#/acre		
		Shrubs and Seed Mix				
PSS 1	Shrub wetland	*Cornus amomum*	Silky dogwood	Live stakes	20	19
3,533 sf		*Cephalanthus occidentalis*	Buttonbush	3 gal	15	15
(0.0811 a)		*Sambucus canadensis*	Elderberry	3 gal	15	16
		Alnus incana	Speckled alder	3 gal	20	20
		Aronia arbutifolia	Red chokeberry	3gal	10	10
					80	80
		Wetland Habitat (PA New England Province FACW Mix)	ERNMX-251	20#/acre		
		Shrubs and Seed Mix				
PSS 2	Shrub wetland	*Cornus amomum*	Silky dogwood	Live stakes	52	53
8,628 sf		*Salix exigua*	Sandbar willow	Live stakes	25	25
(0.1981 a)		*Salix discolor*	Pussy willow	3 gal	40	41
		Sambucus canadensis	Elderberry	3 gal	30	30
		Lindera benzoin	Spice bush	3 gal	30	30
		Aronia arbutifolia	Red chokeberry	3gal	20	20
					197	199
		Wetland Habitat (PA New England Province FACW Mix)	ERNMX-251	20#/acre		

Table 8
Plant and Seed Quantity by Habitat Area
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

				As Proposed		As Planted
Habitat Area Name	Common Name	Scientific Name	Common name	Size	Quantity	Quantity
		Emergents and Seed Mix				
PEM 1	Marsh	*Typha latifolia*	Broadleaf cattail	Rhizomes	200	150
16,426 sf		*Iris versicolor*	Blue flag iris	6 in. pot	20	19
(0.3771 a)		*Scirpus cyperinus*	Woolgrass	4 in. pot	35	30
		Juncus effusus	Softrush	4 in. pot	35	30
		Onoclea sensibilis	Sensitive fern	4 in. pot	35	36
					325	265
		Wetland Habitat (PA New England Province FACW Mix)	ERNMX-251	20#/acre		
		Emergents and Seed Mix				
PEM 2	Marsh	*Typha latifolia*	Broadleaf cattail	Rhizomes	100	120
11,406 sf		*Iris versicolor*	Blue flag iris	6 in. pot	10	10
(0.2618 a)		*Scirpus cyperinus*	Woolgrass	4 in. pot	15	15
		Juncus effusus	Softrush	4 in. pot	15	15
		Onoclea sensibilis	Sensitive fern	4 in. pot	15	15
					155	175
		Wetland Habitat (PA New England Province FACW Mix)	ERNMX-251	20#/acre		
		Trees				
RIP	Stream banks	*Acer rubrum*	Red maple	2.5-3 in	See Note 1	30
51,520 sf		*Acer saccharum*	Sugar maple	2.5-3 in	See Note 1	16
(1.183 a)		*Fagus grandifolia*	American beech	2.5-3 in	See Note 1	7
		Quercus palustris	Pin oak	2.5-3 in	See Note 1	13
		Tsuga canadensis	Eastern hemlock	2.5-3 in	See Note 1	19
		Prunus serotina	Black cherry	2.5-3 in	See Note 1	12
		Pinus strobus	White pine	NA	0	7
						104
		Shrubs and Seed Mix				
		Viburnum dentatum	Northern arrowwood	3 gal	170	252
		Viburnum lentago	Nannyberry	3 gal	170	153
		Cornus racemosa	Grey dogwood	3 gal	175	144
					515	549
		Riparian Habitat (PA New England Province Riparian Mix)	ERNMX-253	@20#/ac		

Table 8
Plant and Seed Quantity by Habitat Area
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

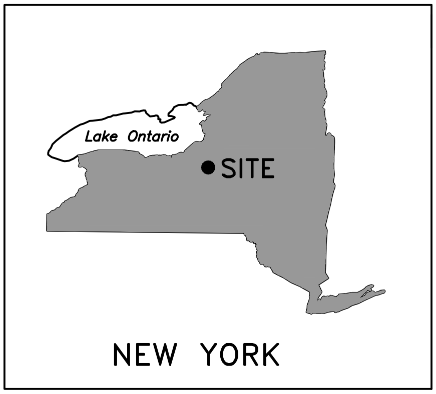
				As Proposed		As Planted
Habitat Area Name	Common Name	Scientific Name	Common name	Size	Quantity	Quantity
		Trees				
UPF 1	Upland forest	*Acer saccharum*	Sugar maple	2.5-3 in	See Note 1	13
8,675 sf		*Fagus grandifolia*	American beech	2.5-3 in	See Note 1	7
(0.1992 a)		*Prunus serotina*	Black cherry	2.5-3 in	See Note 1	8
		Pinus strobus	White pine	2.5-3 in	See Note 1	3
		Tsuga canadensis	Eastern hemlock	2.5-3 in	See Note 1	10
		Quercus palustris	Pin oak	NA	0	1
						42
		Shrubs and Seed Mix				
		Viburnum dentatum	Northern arrowwood	3 gal	40	30
		Viburnum lentago	Nannyberry	3 gal	40	30
		Cornus racemosa	Grey dogwood	3 gal	30	30
					110	90
		Forest Floor Habitat (Partially Shaded Area Roadside Mix)	ERNMX-140	@20#/ac		
		Trees				
UPF 2	Upland forest	*Acer saccharum*	Sugar maple	2.5-3 in	See Note 1	5
10,500 sf		*Fagus grandifolia*	American beech	2.5-3 in	See Note 1	0
(0.2410 a)		*Prunus serotina*	Black cherry	2.5-3 in	See Note 1	4
		Pinus strobus	White pine	2.5-3 in	See Note 1	7
		Tsuga canadensis	Eastern hemlock	2.5-3 in	See Note 1	8
						24
		Shrubs and Seed Mix				
		Cornus racemosa	Grey dogwood	3 gal	40	60
		Viburnum lentago	Nannyberry	3 gal	25	36
		Viburnum dentatum	Northern arrowwood	3 gal	40	42
					105	138
		Forest Floor Habitat (Partially Shaded Area Roadside Mix)	ERNMX-140	@20#/ac		
		Shrubs and Seed Mix				
USS	Shrub upland	*Cornus racemosa*	Grey dogwood	3 gal	35	19
3,291 sf		*Viburnum lentago*	Nannyberry	3 gal	40	20
(0.07555 a)					75	39
		Forest Floor Habitat (Partially Shaded Area Roadside Mix)	ERNMX-140	@20#/ac		
MOW 1	Meadow					
28,471 sf		Upland Meadow (Northeastern U.S. Roadside Native Mix)	ERNMX-105	@20#/ac		As proposed
(0.6536 a)						

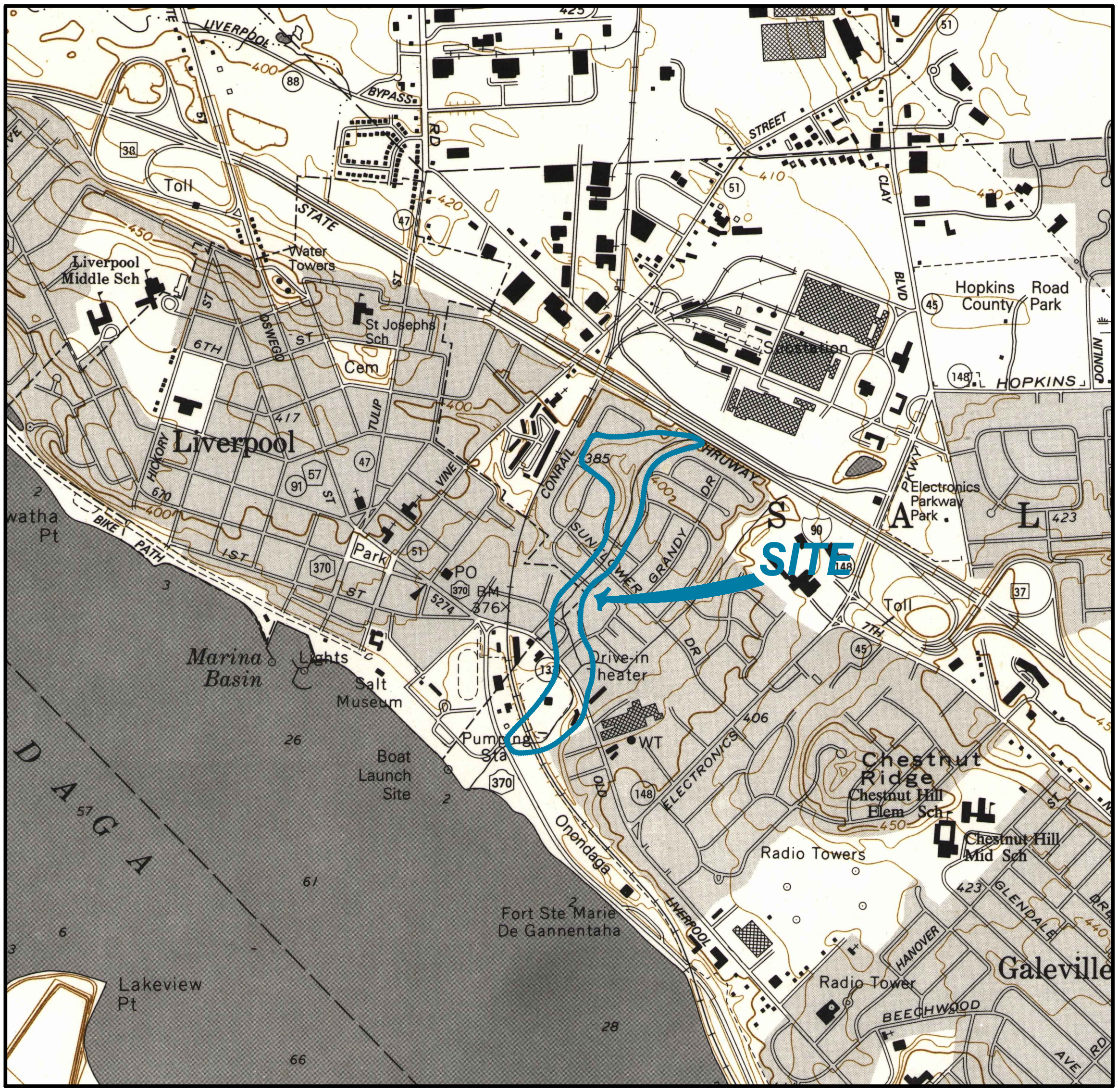
Table 8
Plant and Seed Quantity by Habitat Area
Bloody Brook Site
Bloody Brook Voluntary Cleanup Program
Onondaga County, New York

				As Proposed		As Planted
Habitat Area Name	Common Name	Scientific Name	Common name	Size	Quantity	Quantity
MOW 2 7,735 sf (0.1776 a)	Meadow	Upland Meadow (Northeastern U.S. Roadside Native Mix)	ERNMX-105	@20#/ac		As proposed
MOW 3, 13,068 sf (0.3000 a)	Meadow	Upland Meadow (Northeastern U.S. Roadside Native Mix)	ERNMX-105	@20#/ac		As proposed
MOW 4, 2,945 sf (0.0676 a)	Meadow	Upland Meadow (Northeastern U.S. Roadside Native Mix)	ERNMX-105	@20#/ac		As proposed
MOW 5, 2,204 sf (0.0506 a)	Meadow	Upland Meadow (Northeastern U.S. Roadside Native Mix)	ERNMX-105	@20#/ac		As proposed
Lawn 18,452 sf (0.4236 a)	Lawn	Cool season lawn mix		@30#/ac		As proposed

Notes:
1. Per the November 12, 2014 NYSDEC approved field changes (See Appendix D of this FER), the total number of trees planted was reduced, and the size of some of the trees planted was smaller than had been proposed. As such, the "As Proposed" for tree species reported in this table do not reflect final approved.

FIGURES





0' 2000' 4000'

APPROXIMATE SCALE

REFERENCE:

1. NYSDOT 7.5 MIN TOPOGRAPHIC MAP OF SYRACUSE WEST, QUADRANGLE 1990, SCALE: 1" = 2000'.

AECOM

LOCKHEED MARTIN CORPORATION

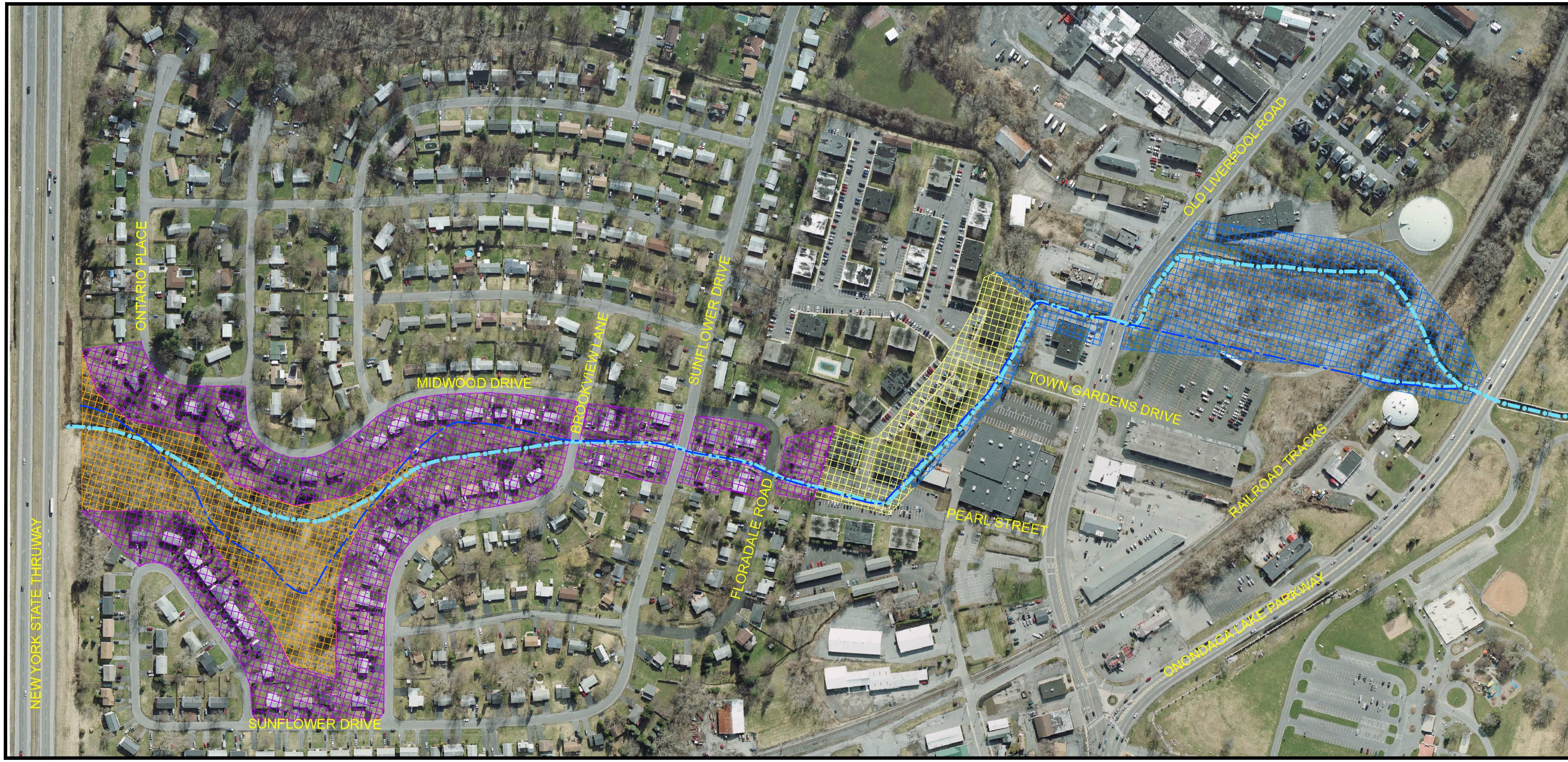
SITE LOCATION MAP

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 1.dwg	RNB	60338140	11 / 2017	1

Plotted By: Bookasr
Layout-Sheet Name: LAYOUT1
Plot File Date Created: Nov/29/2017 8:04 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\CAD\FER FIGURES\FER_FIG 1.DWG



Legend

- CURRENT BROOK ALIGNMENT
- WOODED AREA
- RESIDENTIAL AREA
- APARTMENT COMPLEX AREA
- COMMERCIAL-LIGHT INDUSTRIAL AREA

0' 300' 600'

APPROXIMATE SCALE

AECOM

LOCKHEED MARTIN CORPORATION

SITE AREA MAP

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 2.dwg	RNB	60338140	2 / 2018	2

Plotted By: Bookser
Layout-Sheet Name: FIGURE 1-2
Plot File Date Created: Feb/19/2018 12:01 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 2.DWG

NOTES:

1. BY-PASS PIPING WAS BURIED UNDER 6" (MIN.) TEMPORARY STONE ACCESS ROAD MATERIAL OR SIMILAR IN AREAS REQUIRED FOR EQUIPMENT TRAVEL OVER BY-PASS PIPING.
2. ELEVATIONS AND SITE FEATURES ARE FROM PRE-EXISTING CONDITIONS.

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.

AECOM

LOCKHEED MARTIN CORPORATION

SITE LAYOUT
EARLY 2014 CONSTRUCTION SEASON
SHEET 1 OF 2

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
BLOODY BROOK	KAM	60338140	11 / 2017	3A

Plotted By: Bookasr
Layout-Sheet Name: FIG 3B
Plot File Date Created: Nov/29/2017 8:31 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\CAD\FER FIGURES\FER_FIG 3A AND 3B.DWG

LEGEND

- BLOODY BROOK DRAINAGE DISTRICT EASEMENT
- PROPERTY BORDER
- TOPOGRAPHIC CONTOUR LINE
- WEST BRANCH OF BLOODY BROOK CENTERLINE
- STREAM/WATER EDGE
- RETAINING WALL
- CULVERT
- TEMPORARY SECURITY FENCE
- TEMPORARY SEDIMENT CONTROLS
- TEMPORARY CONSTRUCTION ACCESS ROAD
- LIMITS OF 2014 EXCAVATION
- LIMITS OF 2015 EXCAVATION
- TEMPORARY BYPASS PUMPING ROUTE

NOTES:

1. ELEVATIONS AND SITE FEATURES ARE FROM PRE-EXISTING CONDITIONS.

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

AECOM

LOCKHEED MARTIN CORPORATION
SITE LAYOUT FOR EARLY 2015 SEASON
ABOVE BROOKVIEW LANE CULVERT
SHEET 1 OF 2

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 3C and 3D.dwg	RNB	60338140	11 / 2017	3C

Plotted By: Bookasr
Layout–Sheet Name: FIGURE 3C
Plot File Date Created: Nov/29/2017 9:21 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\CAD\FER FIGURES\FER_FIG 3C AND 3D.DWG

NOTES:

1. SEE FIGURE 3C FOR IDENTIFICATION OF ADDITIONAL MAP SYMBOLS.
2. ELEVATIONS AND SITE FEATURES ARE FROM PRE-EXISTING CONDITIONS.

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

AECOM

LOCKHEED MARTIN CORPORATION

SITE LAYOUT FOR 2015 SEASON
BELOW BROOKVIEW LANE CULVERT
SHEET 2 OF 2

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 3C and 3D.dwg	RNB	60338140	11 / 2017	3D

Plotted By: Bookasr
Layout-Sheet Name: FIGURE 3D
Plot File Date Created: Nov/29/2017 8:09 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\CAD\FER FIGURES\FER_FIG 3C AND 3D.DWG

NOTES:

1. SEE FIGURE 3F FOR IDENTIFICATION OF ADDITIONAL MAP SYMBOLS.
2. ELEVATIONS AND SITE FEATURES ARE FROM PRE-EXISTING CONDITIONS.

LEGEND

- BLOODY BROOK DRAINAGE DISTRICT EASEMENT
- PROPERTY BORDER
- TOPOGRAPHIC CONTOUR LINE
- WEST BRANCH OF BLOODY BROOK CENTERLINE
- STREAM/WATER EDGE
- RETAINING WALL
- CULVERT
- TEMPORARY SECURITY FENCE
- TEMPORARY SEDIMENT CONTROLS
- TEMPORARY CONSTRUCTION ACCESS ROAD
- LIMITS OF 2015 EXCAVATION
- LIMITS OF 2016 EXCAVATION
- TEMPORARY BYPASS PUMPING ROUTE

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

AECOM

LOCKHEED MARTIN CORPORATION

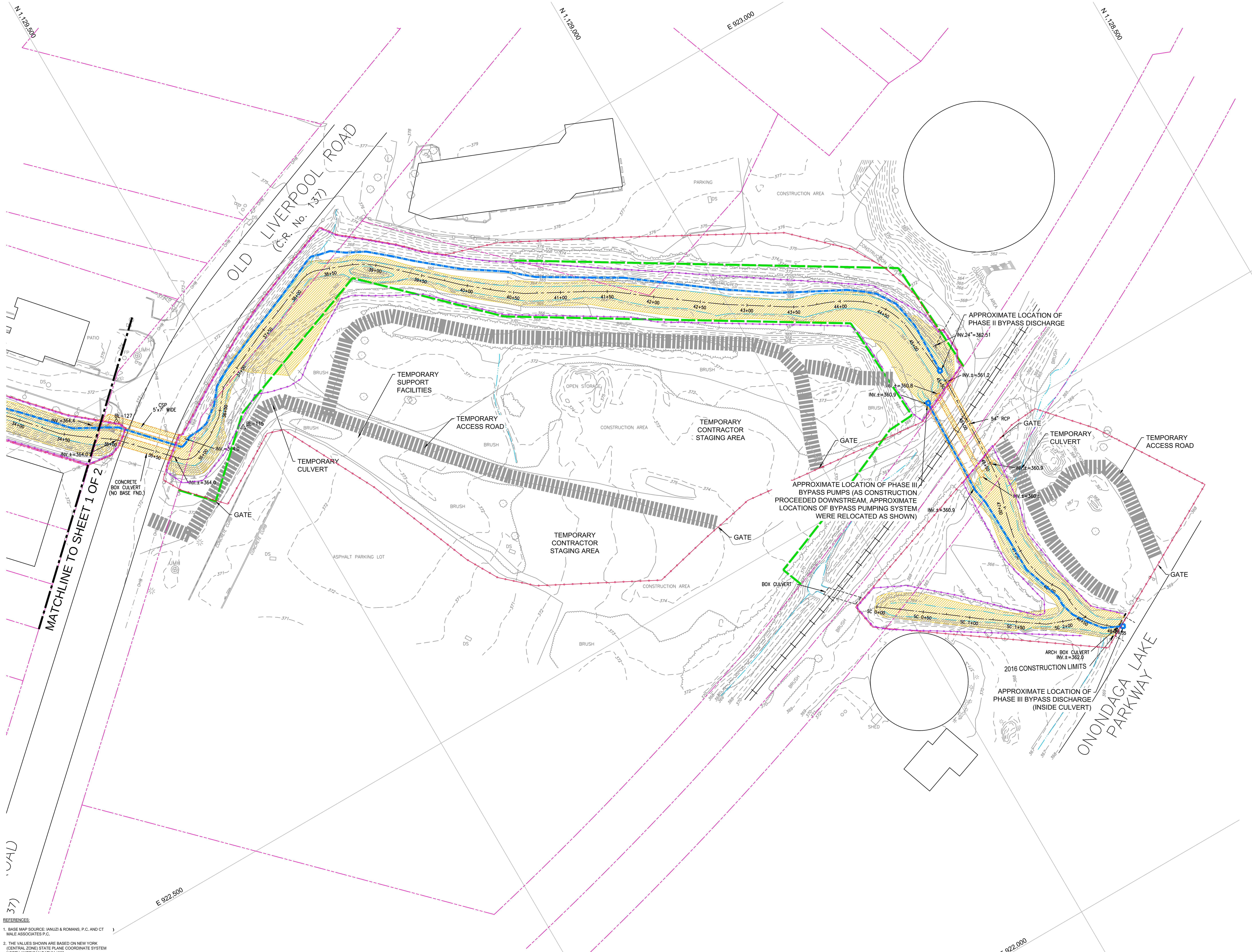
SITE LAYOUT FOR 2016 SEASON
ABOVE OLD LIVERPOOL ROAD CULVERT
SHEET 1 OF 2

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 3E and 3F.dwg	MT	60338140	11 / 2017	3E

Plotted By: Bookasr
Layout-Sheet Name: FIGURE 3E
Plot File Date Created: Nov/30/2017 7:18 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\CAD\FER FIGURES\FER_FIG 3E AND 3F.DWG



LEGEND

- BLOODY BROOK DRAINAGE DISTRICT EASEMENT
- PROPERTY BORDER
- TOPOGRAPHIC CONTOUR LINE
- WEST BRANCH OF BLOODY BROOK CENTERLINE
- STREAM/WATER EDGE
- UNDERGROUND DRAIN LINE
- OVERHEAD WIRES
- RETAINING WALL
- GUARD RAIL
- UTILITY MANHOLE
- DRAINAGE MANHOLE
- SANITARY MANHOLE
- RAILROAD TRACKS
- CATCH BASIN
- DRAINAGE STRUTURES
- FLAG POLE
- CULVERT
- E 924,000 — NYS PLANE COORDINATE SYSTEM EASTING
- N 1,131,000 — NYS PLANE COORDINATE SYSTEM NORTHING
- BL-115 — AERIAL SURVEY GROUND CONTROL POINT
- 7+50 — CHANNEL CENTERLINE SURVEY STATION
- 367.4 — TOPOGRAPHIC SPOT ELEVATION
- CONIFEROUS TREE
- DECIDUOUS TREE
- LIGHT POLE
- UTILITY POLE / GUY WIRE
- TEMPORARY SECURITY FENCE
- TEMPORARY SEDIMENT CONTROLS
- TEMPORARY CONSTRUCTION ACCESS ROAD
- LIMITS OF 2016 EXCAVATION
- TEMPORARY BYPASS PUMPING ROUTE

NOTES:

1. ELEVATIONS AND SITE FEATURES ARE FROM PRE-EXISTING CONDITIONS.

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

0' 50' 100'

AECOM

LOCKHEED MARTIN CORPORATION

SITE LAYOUT FOR 2016 SEASON
BELOW OLD LIVERPOOL ROAD CULVERT
SHEET 2 OF 2

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 3E and 3F.dwg	MT	60338140	11 / 2017	3F

Plotted By: Bookasr
Layout-Sheet Name: FIGURE 3F
Plot File Date Created: Nov/29/2017 8:15 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\CAD\FER FIGURES\FER_FIG 3E AND 3F.DWG

LEGEND

- BLOODY BROOK DRAINAGE DISTRICT EASEMENT
- APARTMENT PROPERTY BORDER
- TEMPORARY BARRIER
- POTENTIAL ACCESS AREAS WITHIN DRAINAGE DISTRICT EASEMENT
- ACCESS FOR TREE REMOVAL (ESTIMATING ONE DAY)
- ACCESS FOR INGRESS, EGRESS AND REGRESS
- POTENTIAL ACCESS AREAS OUTSIDE OF DRAINAGE DISTRICT EASEMENT
- TEMPORARY PARKING SPACES
- #2 CONSTRUCTION PHASES TO BE COMPLETED SEQUENTIALLY (ESTIMATING TWO TO THREE WEEKS PER PHASE)

0' 50' 100' 200'

AECOM

LOCKHEED MARTIN CORPORATION

APARTMENT COMPLEX
2017 CONSTRUCTION LAYOUT

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE
FER_Fig 3G.dwg	RNB	60338140	11 / 2017	3G

Plotted By: Booker
Layout-Sheet Name: PS APTS PROP WITH ACCESS HATCHING 2 LIMITED ACCESS WITH TREES SOLID
Plot File Date Created: Nov/29/2017 8:17 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 3G.DWG

LEGEND

	WETLANDS
	LOCATION HISTORIC BROOK ALIGNMENT
	NYS THRUWAY EASEMENT
SB-408	SAMPLING LOCATION
DI-84-02	SOIL BORING FOR USE IN CULVERT REPLACEMENT
OCDDS-10	APPROXIMATE ONONDAGA COUNTY SIDE BANK SAMPLING LOCATION
	LIMITS OF REMEDIAL ACTION (2FT MAX. DEPTH BGS)
	LIMITS OF REMEDIAL ACTION WITHIN EXISTING BROOK CHANNEL
	LIMITS OF REMEDIAL ACTION (3FT DEPTH BGS)
	LIMITS OF REMEDIAL ACTION (4FT DEPTH BGS)
	LIMITS OF REMEDIAL ACTION (5FT DEPTH BGS)
	LIMITS OF REMEDIAL ACTION (6FT DEPTH BGS)

NOTE

1. SEE FIGURE 4C FOR IDENTIFICATION OF ADDITIONAL MAP SYMBOLS.
2. ELEVATIONS AND SITE FEATURES ARE FROM PRE-EXISTING CONDITIONS.
3. COVER OUTSIDE OF STREAM SIDE BANKS– EXCAVATIONS WERE LINED WITH A DEMARCATION FABRIC AND BACKFILLED WITH NYSDEC APPROVED SOIL TO ORIGINAL GRADE RESULTING IN A COVER WITH A THICKNESS OF 2–FOOT OR GREATER IN THE BLOODY BROOK DRAINAGE DISTRICT EASEMENT AND 4–FOOT OR GREATER IN RESIDENTIAL PROPERTIES. BACKFILL SOIL OUTSIDE OF THE WETLAND AREAS CONSISTED OF GENERAL FILL SOIL AND A MINIMUM OF 6 INCHES OF TOP SOIL AND WITHIN WETLAND AREAS CONSISTED OF GENERAL FILL SOIL, MINIMUM OF 12 INCHES OF LOW PERMEABLE SOIL, AND MINIMUM OF 12 INCHES OF TOP SOIL.
4. COVER ON STREAM SIDE BANKS – STREAM SIDE BANK EXCAVATIONS WERE LINED WITH A DEMARCATION FABRIC AND BACKFILLED WITH NYSDEC APPROVED SOIL AND STONE RESULTING IN A COVER WITH A THICKNESS OF 2–FOOT OR GREATER. BACKFILL CONSISTED OF 6 INCHES OF GENERAL FILL SOIL AND 18 INCHES OF ARMORING STONE.

0' 50' 100'
APPROXIMATE SCALE

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

AECOM

LOCKHEED MARTIN CORPORATION

EXCAVATION LIMITS AND CADMIUM SOIL SAMPLING LOCATION
SHEET 1 OF 3

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 4.dwg	RNB	60338140	2 / 2018	4A

Plotted By: Bookasr
Layout-Sheet Name: FIGURE 4A
Plot File Date Created: Feb/22/2018 9:08 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 4.DWG

LEGEND

SB-208	SAMPLING LOCATION
DI-84-02	SOIL BORING FOR USE IN CULVERT REPLACEMENT
EPSOIL-2	APPROXIMATE ONONDAGA COUNTY SIDE BANK SAMPLING LOCATION
B-7	OCDWEP LIVERPOOL PUMP STATION UPGRADE SAMPLE LOCATION
	TOWN/VILLAGE BORDER
	LOCATION HISTORIC BROOK ALIGNMENT
	LIMITS OF REMEDIAL ACTION (2FT MAX. DEPTH BGS)
	LIMITS OF REMEDIAL ACTION WITHIN EXISTING BROOK CHANNEL
	LIMITS OF REMEDIAL ACTION (4FT MAX. DEPTH BGS)

0' 50' 100'

APPROXIMATE SCALE

NOTE

1. SEE FIGURE 4C FOR IDENTIFICATION OF ADDITIONAL MAP SYMBOLS.
2. ELEVATIONS AND SITE FEATURES ARE FROM PRE-EXISTING CONDITIONS.
3. COVER – EXCAVATIONS WERE LINED WITH A DEMARCATION FABRIC AND BACKFILLED WITH NYSDEC APPROVED SOIL TO ORIGINAL GRADE RESULTING IN A COVER WITH A THICKNESS OF 2-FOOT OR GREATER IN THE BLOODY BROOK DRAINAGE DISTRICT EASEMENT AND COMMERCIAL PROPERTIES AND 4-FOOT OR GREATER IN RESIDENTIAL AND APARTMENT COMPLEX PROPERTIES. BACKFILL SOIL CONSISTED OF GENERAL FILL SOIL AND A MINIMUM OF 6 INCHES OF TOP SOIL.
4. COVER ON STREAM SIDE BANKS – STREAM SIDE BANK EXCAVATIONS WERE LINED WITH A DEMARCATION FABRIC AND BACKFILLED WITH NYSDEC APPROVED SOIL AND STONE RESULTING IN A COVER WITH A THICKNESS OF 2-FOOT OR GREATER. BACKFILL CONSISTED OF 6 INCHES OF GENERAL FILL SOIL AND 18 INCHES OF ARMORING STONE OR 12 INCHES OF FLAGSTONE AND 12 INCHES OF ARMORING STONE.
5. FLAGSTONE CLEANED, BROKEN UP, AND REUSED AT THE SITE WAS PLACED AS FILL FOR DEPTHS BELOW 1' WITHIN THE BLOODY BROOK DRAINAGE DISTRICT EASEMENT BETWEEN BROOKVIEW LANE AND THE APARTMENT COMPLEX PROPERTY.

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

AECOM

LOCKHEED MARTIN CORPORATION

EXCAVATION LIMITS AND CADMIUM SOIL SAMPLING LOCATION
SHEET 2 OF 3

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 4.dwg	RNB	60338140	2 / 2018	4B

Plotted By: Bookasr
Layout-Sheet Name: FIGURE 4B
Plot File Date Created: Feb/22/2018 9:08 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 4.DWG

NOTE

1. ELEVATIONS AND SITE FEATURES ARE FROM PRE-EXISTING CONDITIONS.
2. COVER – EXCAVATIONS WERE LINED WITH A DEMARCATION FABRIC AND BACKFILLED WITH NYSDEC APPROVED SOIL TO ORIGINAL GRADE RESULTING IN A COVER WITH A THICKNESS OF 2-FOOT OR GREATER. BACKFILL SOIL CONSISTED OF GENERAL FILL SOIL AND A MINIMUM OF 6 INCHES OF TOP SOIL.
3. SOIL COVER ON STREAM SIDE BANKS – STREAM SIDE BANK EXCAVATIONS WERE LINED WITH A DEMARCATION FABRIC AND BACKFILLED WITH NYSDEC APPROVED SOIL AND STONE RESULTING IN A COVER WITH A THICKNESS OF 2-FOOT OR GREATER. BACKFILL CONSISTED OF 6 INCHES OF GENERAL FILL SOIL AND 18 INCHES OF ARMORING STONE.

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

AECOM

LOCKHEED MARTIN CORPORATION

EXCAVATION LIMITS AND CADMIUM SOIL SAMPLING LOCATION
SHEET 3 OF 3

WEST BRANCH OF BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 4.dwg	RNB	60338140	2 / 2018	4C

Plotted By: Bookasr
Layout-Sheet Name: FIGURE 4C
Plot File Date Created: Feb/15/2018 8:11 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 4.DWG


ONTARIO PLACE
MIDWOOD DRIVE
CRANBERRY DRIVE
MIDWOOD DRIVE
MATCHLINE
TO SHEET 2 OF 3
NEW YORK STATE THRUWAY
SUNFLOWER DRIVE
BROOKVIEW LANE
BOX CULVERT
INV.=384.4
INV.12"CSP=397.23
N 1,132,000
N 1,131,500
N 1,132,500
E 924,000
E 923,500
APPROXIMATE SCALE
0'
50'
100'
LEGEND
WETLANDS
BLOODY BROOK DRAINAGE DISTRICT EASEMENT
PROPERTY BORDER
365
TOPOGRAPHIC CONTOUR LINE
CENTERLINE OF CHANNEL
STREAM/WATER EDGE
CULVERT
LOCATION HISTORIC BROOK ALIGNMENT
NYS THRUWAY EASEMENT
13361
SURVEY POINT LOCATION (SEE NOTE 2)
LIMITS OF REMEDIAL ACTION (2 FT MAX DEPTH BGS)
LIMITS OF REMEDIAL ACTION WITHIN EXISTING BROOK CHANNEL
LIMITS OF REMEDIAL ACTION (3FT DEPTH BGS)
LIMITS OF REMEDIAL ACTION (4FT DEPTH BGS)
LIMITS OF REMEDIAL ACTION (5FT DEPTH BGS)
LIMITS OF REMEDIAL ACTION (6FT DEPTH BGS)
NOTE
1. SEE FIGURE 5C FOR IDENTIFICATION OF ADDITIONAL MAP SYMBOLS.
2. SEE TABLE 3A FOR EXCAVATION ELEVATIONS AND DEPTHS.
REFERENCES:
1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.
AECOM
LOCKHEED MARTIN CORPORATION
SURVEY POINT LOCATIONS FOR VERIFICATION OF FINAL EXCAVATION DEPTHS
SHEET 1 OF 3
BLOODY BROOK
ONONDAGA COUNTY, NEW YORK
FILE NAME: FER_Fig 5.dwg
DRN RNB
PROJECT NO. 60338140
DATE 2 / 2018
FIGURE NO. 5A
Plotted By: Bookasr
Layout-Sheet Name: FIGURE 5A
Plot File Date Created: Feb/22/2018 9:06 AM
Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 5.DWG

LEGEND

- TOWN/VILLAGE BORDER
- LOCATION HISTORIC BROOK ALIGNMENT
- LIMITS OF REMEDIAL ACTION (2 FT MAX DEPTH BGS)
- LIMITS OF REMEDIAL ACTION (4FT DEPTH BGS)
- LIMITS OF REMEDIAL ACTION WITHIN EXISTING BROOK CHANNEL
- 14840 SURVEY POINT LOCATION (SEE NOTE 2)

0' 50' 100'
APPROXIMATE SCALE

NOTE

1. SEE FIGURE 5C FOR IDENTIFICATION OF ADDITIONAL MAP SYMBOLS.
2. SEE TABLE 3B FOR EXCAVATION ELEVATIONS AND DEPTHS.

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

AECOM

LOCKHEED MARTIN CORPORATION

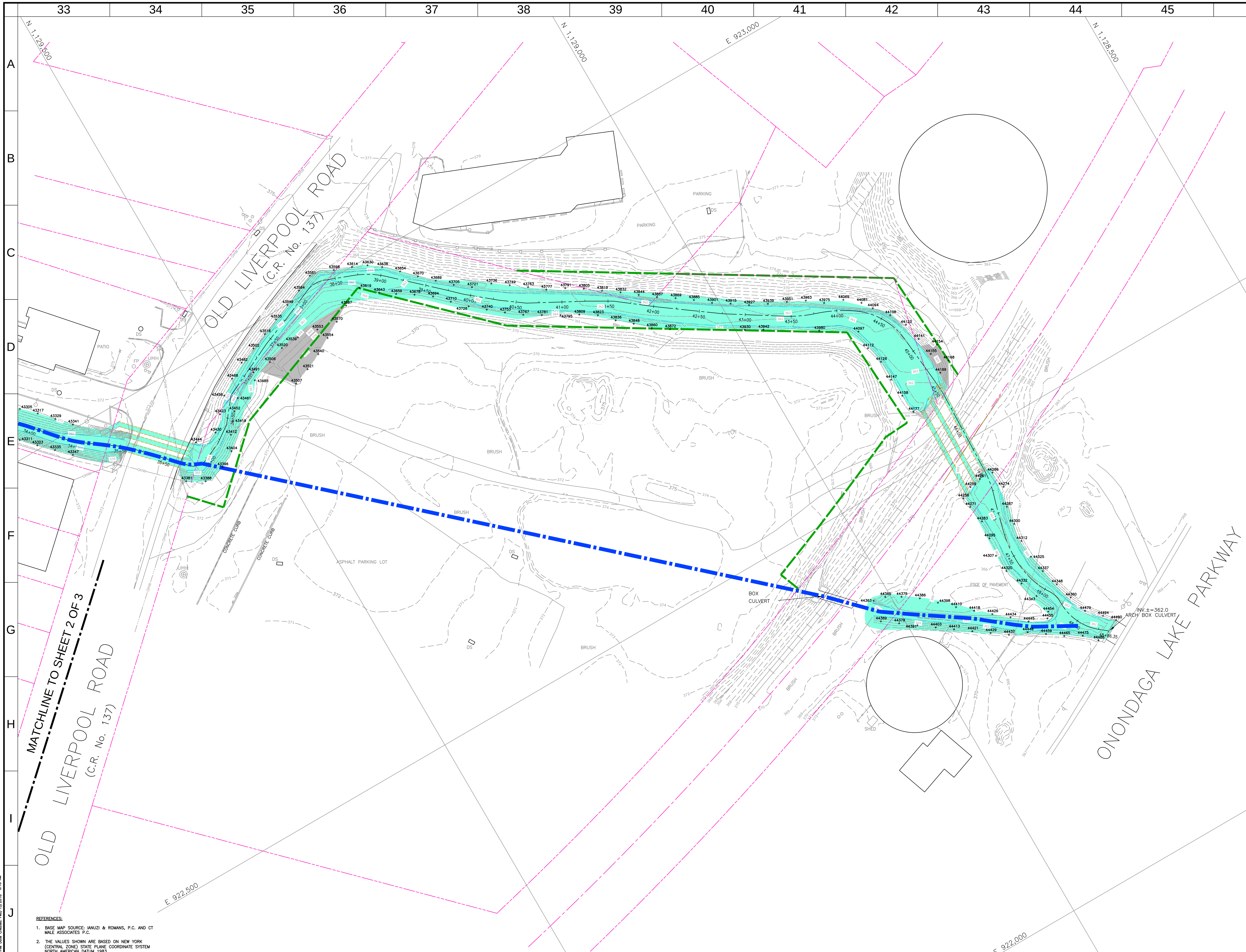
SURVEY POINT LOCATIONS FOR VERIFICATION OF FINAL EXCAVATION DEPTHS
SHEET 2 OF 3

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 5.dwg	RNB	60338140	12 / 2017	5B

Plotted By: Bookasr
Layout-Sheet Name: FIGURE 5B
Plot File Date Created: Feb/22/2018 9:06 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 5.DWG



LEGEND

- BLOODY BROOK DRAINAGE DISTRICT EASEMENT
- PROPERTY BORDER
- TOPOGRAPHIC CONTOUR LINE
- CENTERLINE OF CHANNEL
- STREAM/WATER EDGE
- UNDERGROUND DRAIN LINE
- OVERHEAD WIRES
- RETAINING WALL
- GUARD RAIL
- UMH — UTILITY MANHOLE
- DMH — DRAINAGE MANHOLE
- SMH — SANITARY MANHOLE
- RAILROAD TRACKS
- CB — CATCH BASIN
- DS — DRAINAGE STRUTURES
- FP — FLAG POLE
- CULVERT
- E 924,000 — NYS PLANE COORDINATE SYSTEM EASTING
- N 1,131,000 — NYS PLANE COORDINATE SYSTEM NORTHING
- BL-115 — AERIAL SURVEY GROUND CONTROL POINT
- 7+50 — CHANNEL CENTERLINE SURVEY STATION
- 367.4 × — TOPOGRAPHIC SPOT ELEVATION
- CONIFEROUS TREE
- DECIDUOUS TREE
- LIGHT POLE
- UTILITY POLE / GUY WIRE
- LOCATION HISTORIC BROOK ALIGNMENT
- LIMITS OF REMEDIAL ACTION (2 FT MAX DEPTH BGS)
- LIMITS OF REMEDIAL ACTION WITHIN EXISTING BROOK CHANNEL
- 43444 — SURVEY POINT LOCATION (SEE NOTE 1)

NOTE

1. SEE TABLE 3C FOR EXCAVATION ELEVATIONS AND DEPTHS.

0' 50' 100'
APPROXIMATE SCALE

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

AECOM

LOCKHEED MARTIN CORPORATION

SURVEY POINT LOCATIONS FOR VERIFICATION OF FINAL EXCAVATION DEPTHS
SHEET 3 OF 3

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 5.dwg	RNB	60338140	2 / 2018	5C

Plotted By: Bookasr
Layout-Sheet Name: FIGURE 5C
Plot File Date Created: Feb/15/2018 8:18 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 5.DWG

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 6.DWG

LEGEND

- TOWN/VILLAGE BORDER
- LOCATION HISTORIC BROOK ALIGNMENT
- LIMITS OF REMEDIAL ACTION (2 FT MAX DEPTH BGS)
- LIMITS OF REMEDIAL ACTION (4FT DEPTH BGS)
- LIMITS OF REMEDIAL ACTION WITHIN EXISTING BROOK CHANNEL
- 14781 SURVEY POINT LOCATION (SEE NOTE 2)

0' 50' 100'

APPROXIMATE SCALE

NOTE

1. SEE FIGURE 6C FOR IDENTIFICATION OF ADDITIONAL MAP SYMBOLS.
2. SEE TABLE 4B FOR SOIL COVER ELEVATIONS AND DEPTHS.

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

AECOM

LOCKHEED MARTIN CORPORATION

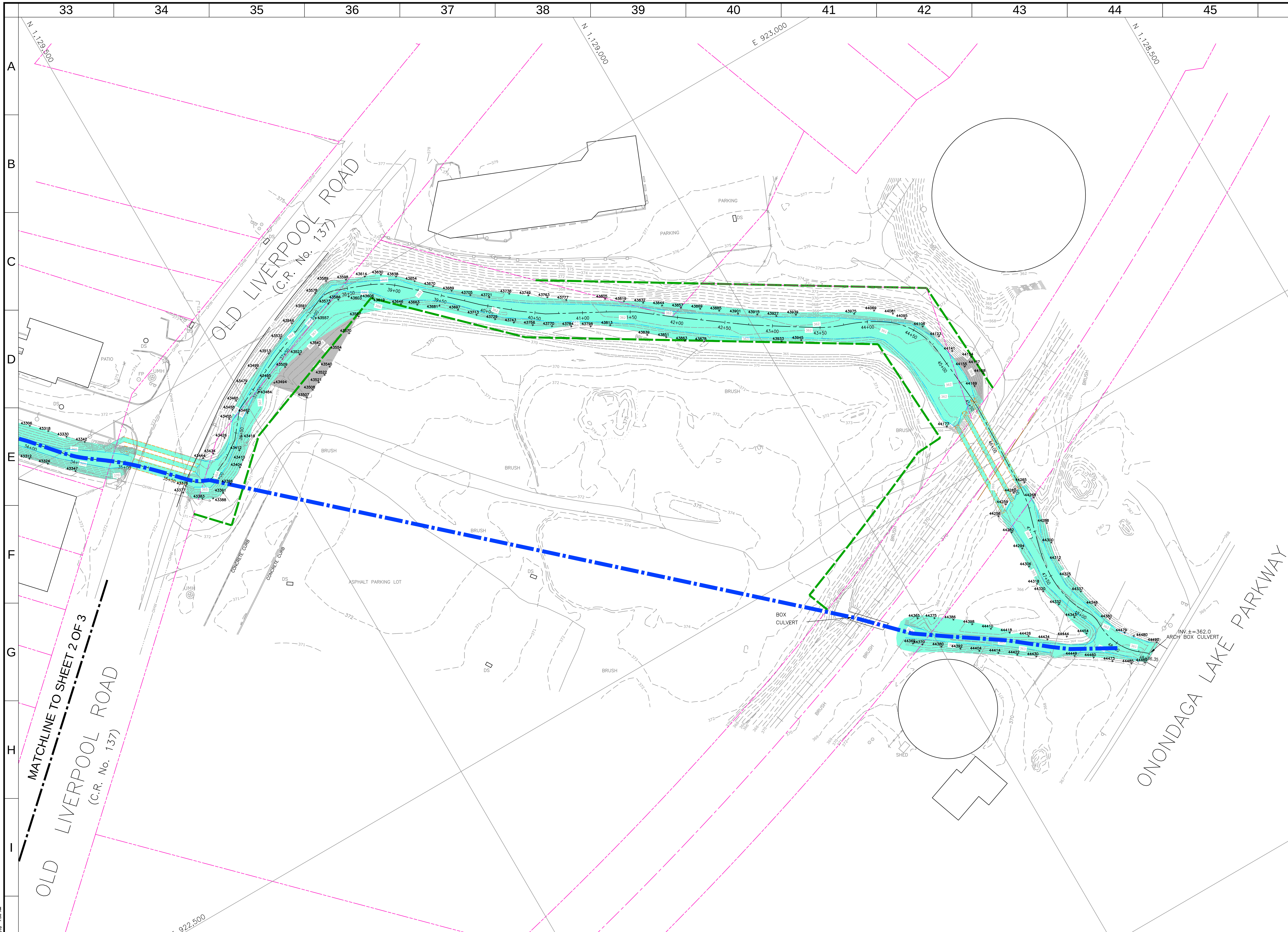
SURVEY POINT LOCATIONS FOR VERIFICATION OF FINAL FILL THICKNESS
SHEET 2 OF 3

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 6.dwg	RNB	60338140	2 / 2018	6B

Plotted By: Bookasr
Layout-Sheet Name: FIGURE 6B
Plot File Date Created: Feb/22/2018 9:11 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 6.DWG



REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

LEGEND

- BLOODY BROOK DRAINAGE DISTRICT EASEMENT
- PROPERTY BORDER
- TOPOGRAPHIC CONTOUR LINE
- CENTERLINE OF CHANNEL
- STREAM/WATER EDGE
- UNDERGROUND DRAIN LINE
- OVERHEAD WIRES
- RETAINING WALL
- GUARD RAIL
- UMH UTILITY MANHOLE
- DMH DRAINAGE MANHOLE
- SMH SANITARY MANHOLE
- RAILROAD TRACKS
- CB CATCH BASIN
- DS DS DRAINAGE STRUTURES
- FP FLAG POLE
- CULVERT
- E 924,000 NYS PLANE COORDINATE SYSTEM EASTING
- N 1,131,000 NYS PLANE COORDINATE SYSTEM NORTHING
- BL-115 AERIAL SURVEY GROUND CONTROL POINT
- 7+50 CHANNEL CENTERLINE SURVEY STATION
- 367.4 TOPOGRAPHIC SPOT ELEVATION
- CONIFEROUS TREE
- DECIDUOUS TREE
- LIGHT POLE
- UTILITY POLE / GUY WIRE
- LOCATION HISTORIC BROOK ALIGNMENT
- LIMITS OF REMEDIAL ACTION (2 FT MAX DEPTH BGS)
- LIMITS OF REMEDIAL ACTION WITHIN EXISTING BROOK CHANNEL
- 43377 SURVEY POINT LOCATION (SEE NOTE 1)

NOTE

1. SEE TABLE 4C FOR SOIL COVER ELEVATIONS AND DEPTHS.

0' 50' 100'
APPROXIMATE SCALE

AECOM

LOCKHEED MARTIN CORPORATION

SURVEY POINT LOCATIONS FOR VERIFICATION OF FINAL FILL THICKNESS
SHEET 3 OF 3

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 6.dwg	RNB	60338140	2 / 2018	6C

Plotted By: Bookasr
Layout-Sheet Name: FIGURE 6C
Plot File Date Created: Feb/20/2018 7:50 AM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 6.DWG

ONTARIO PLACE
MIDWOOD DRIVE
CRANBERRY DRIVE
MIDWOOD DRIVE
NEW YORK STATE THRUWAY
SUNFLOWER DRIVE
MATCHLINE TO SHEET 2 OF 3
N 1,132,000
N 1,131,500
N 1,132,500
E 924,000
E 923,500
BOX CULVERT INV.=384.4
INV.12"CSP=397.23
HIGHWAY BOUNDARY
CHAIN LINK FENCE
LEGEND
WETLANDS
BLOODY BROOK DRAINAGE DISTRICT EASEMENT
NEW YORK STATE THRUWAY EASEMENT
PROPERTY BORDER
TOPOGRAPHIC CONTOUR LINE
CENTERLINE OF CHANNEL
STREAM/WATER EDGE
CULVERT
LOCATION HISTORIC BROOK ALIGNMENT
DI-84-01 SOIL BORING FOR USE IN CULVERT REPLACEMENT WITH RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS EXCEEDING 10 mg/kg)
DI-84-02 SOIL BORING FOR USE IN CULVERT REPLACEMENT WITHOUT RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS 10 mg/kg OR LESS)
SB-204 EASEMENT SAMPLING LOCATION WITH RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS EXCEEDING 10 mg/kg BELOW 2 FEET)
SB-26 EASEMENT SAMPLING LOCATION WITHOUT RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS 10 mg/kg OR LESS)
DI-01-01 RESIDENTIAL SAMPLING LOCATION WITH RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS EXCEEDING 10 mg/kg BELOW 2 FEET)
DI-02-02 RESIDENTIAL SAMPLING LOCATION WITHOUT RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS 2.5 mg/kg OR LESS IN THE TOP 2 FEET AND 10 mg/kg OR LESS BELOW 2 FEET)
SB-409 WOODED AREA SAMPLING LOCATION WITH RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS EXCEEDING 4 mg/kg IN THE TOP 2 FEET AND /OR 10 mg/kg BELOW 2 FEET)
SB-408 WOODED AREA SAMPLING LOCATION WITHOUT RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS 4 mg/kg OR LESS IN THE TOP 2 FEET AND 10 mg/kg OR LESS BELOW 2 FEET)
SB-63 SAMPLING LOCATION FULLY REMOVED DURING EXCAVATION ACTIVITIES
LIMITS OF EXCAVATION (2 FT MAX DEPTH BGS)
LIMITS OF EXCAVATION WITHIN EXISTING BROOK CHANNEL
LIMITS OF EXCAVATION (3FT DEPTH BGS)
LIMITS OF EXCAVATION (4FT DEPTH BGS)
LIMITS OF EXCAVATION (5FT DEPTH BGS)
LIMITS OF EXCAVATION (6FT DEPTH BGS)
NOTE
1. SEE FIGURE 7C FOR IDENTIFICATION OF ADDITIONAL MAP SYMBOLS.
0' 50' 100'
APPROXIMATE SCALE
REFERENCES:
1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.
AECOM
LOCKHEED MARTIN CORPORATION
POST-REMEDIATION
RESIDUAL CADMIUM
SHEET 1 OF 3
BLOODY BROOK
ONONDAGA COUNTY, NEW YORK
FILE NAME: FER_Fig 7.dwg
DRN RNB
PROJECT NO. 60338140
DATE 2 / 2018
FIGURE NO. 7A
Plotted By: Bookasr
Layout-Sheet Name: FIGURE 3A
Plot File Date Created: Feb/14/2018 2:34 PM
Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 7.DWG

LEGEND

TOWN/VILLAGE BORDER

LOCATION HISTORIC BROOK ALIGNMENT

DI-84-01 — SOIL BORING FOR USE IN CULVERT REPLACEMENT WITH RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS EXCEEDING 10 mg/kg)

DI-84-02 — SOIL BORING FOR USE IN CULVERT REPLACEMENT WITHOUT RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS 10 mg/kg OR LESS)

SB-417 — EXISTING SAMPLING LOCATION WITHIN APARTMENT COMPLEX PROPERTY WITH RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS EXCEEDING 10 mg/kg BELOW 2 FEET)

B-7 — EXISTING SAMPLING LOCATION WITHIN APARTMENT COMPLEX PROPERTY WITHOUT RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS 4.3 mg/kg OR LESS IN THE TOP 2 FEET AND 10 mg/kg OR LESS BELOW 2 FEET)

SB-209 — EASEMENT SAMPLING LOCATION WITH RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS EXCEEDING 10 mg/kg BELOW 2 FEET)

SB-72 — EASEMENT SAMPLING LOCATION WITHOUT RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS 10 mg/kg OR LESS)

DI-06-01 — RESIDENTIAL SAMPLING LOCATION WITH RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS EXCEEDING 10 mg/kg BELOW 2 FEET)

DI-06-02 — RESIDENTIAL SAMPLING LOCATION WITHOUT RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS 2.5 mg/kg OR LESS IN THE TOP 2 FEET AND 10 mg/kg OR LESS BELOW 2 FEET)

SB-12 — COMMERCIAL SAMPLING LOCATION WITHOUT RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS 9.3 mg/kg OR LESS)

SB-63 — SAMPLING LOCATION FULLY REMOVED DURING EXCAVATION ACTIVITIES

LIMITS OF EXCAVATION (2 FT MAX DEPTH BGS)

LIMITS OF EXCAVATION WITHIN EXISTING BROOK CHANNEL

LIMITS OF EXCAVATION (4FT DEPTH BGS)

NOTE

1. SEE FIGURE 7C FOR IDENTIFICATION OF ADDITIONAL MAP SYMBOLS.

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

0' 50' 100'
APPROXIMATE SCALE

AECOM

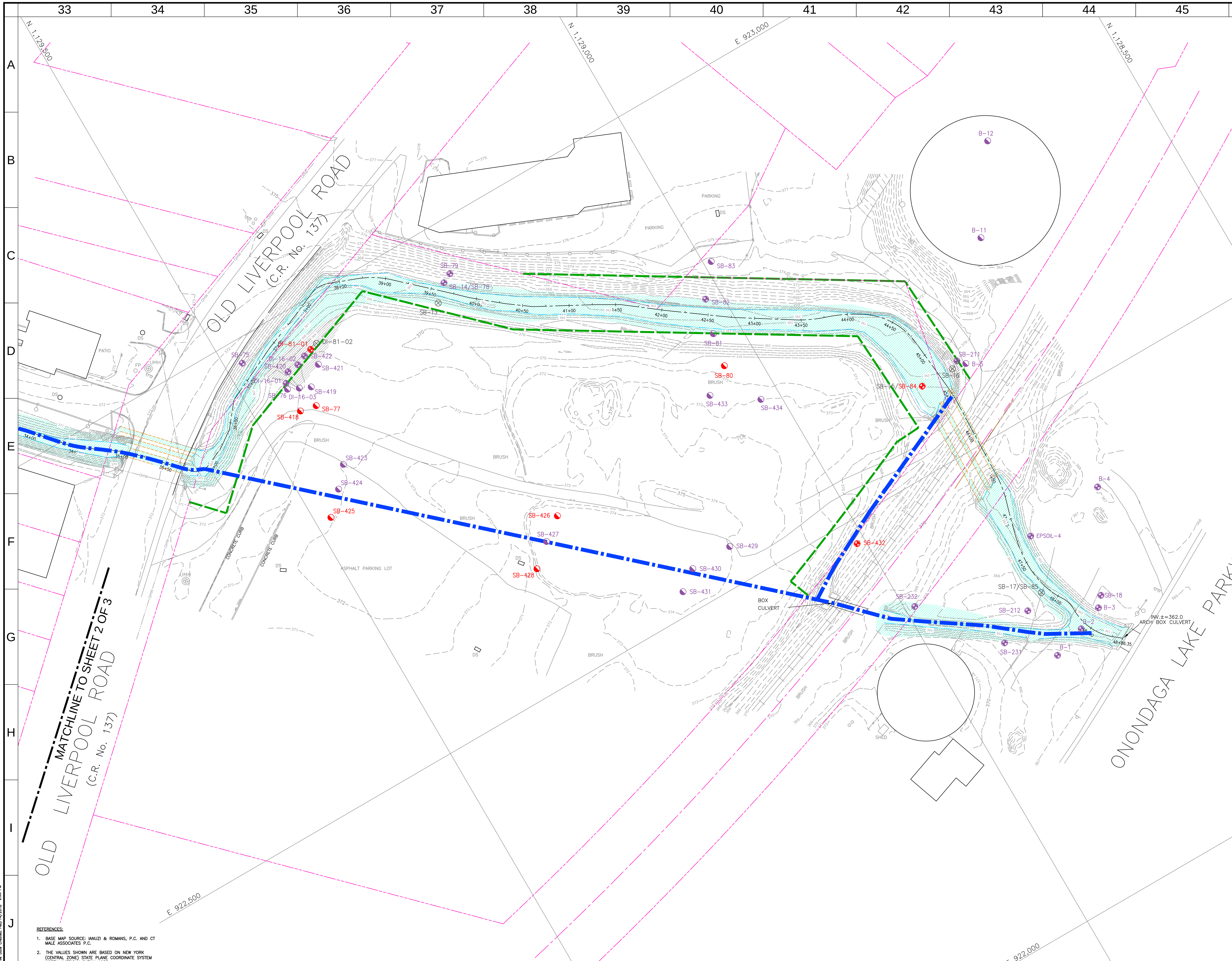
LOCKHEED MARTIN CORPORATION
POST-REMEDIATION
RESIDUAL CADMIUM
SHEET 2 OF 3

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 7.dwg	RNB	60338140	2 / 2018	7B

Plotted By: Bookasr
Layout-Sheet Name: FIGURE 3B
Plot File Date Created: Feb/14/2018 2:35 PM

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 7.DWG



LEGEND

- BLOODY BROOK DRAINAGE DISTRICT EASEMENT
- PROPERTY BORDER
- TOPOGRAPHIC CONTOUR LINE
- CENTERLINE OF CHANNEL
- STREAM/WATER EDGE
- UNDERGROUND DRAIN LINE
- OVERHEAD WIRES
- RETAINING WALL
- GUARD RAIL
- UMH — UTILITY MANHOLE
- DMH — DRAINAGE MANHOLE
- SMH — SANITARY MANHOLE
- RAILROAD TRACKS
- CB — CATCH BASIN
- DS — DRAINAGE STRUTURES
- FP — FLAG POLE
- CULVERT
- E 924,000 — NYS PLANE COORDINATE SYSTEM EASTING
- N 1,131,000 — NYS PLANE COORDINATE SYSTEM NORTHING
- BL-115 — AERIAL SURVEY GROUND CONTROL POINT
- 7+50 — CHANNEL CENTERLINE SURVEY STATION
- 367.4 — TOPOGRAPHIC SPOT ELEVATION
- CONIFEROUS TREE
- DECIDUOUS TREE
- LIGHT POLE
- UTILITY POLE / GUY WIRE
- LOCATION HISTORIC BROOK ALIGNMENT
- LIMITS OF EXCAVATION (2 FT MAX DEPTH BGS)
- LIMITS OF EXCAVATION WITHIN EXISTING BROOK CHANNEL
- SB-84 — EASEMENT SAMPLING LOCATION WITH RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS EXCEEDING 10 mg/kg BELOW 2 FEET)
- SB-420 — EASEMENT SAMPLING LOCATION WITHOUT RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS 10 mg/kg OR LESS)
- SB-80 — COMMERCIAL SAMPLING LOCATION WITH RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS EXCEEDING 9.3 mg/kg IN THE TOP 2 FEET AND/OR EXCEEDING 10 mg/kg BELOW 2 FEET)
- SB-75 — COMMERCIAL SAMPLING LOCATION WITHOUT RESIDUAL CADMIUM (CADMIUM CONCENTRATIONS 9.3 mg/kg OR LESS IN THE TOP 2 FEET AND 10 mg/kg OR LESS BELOW 2 FEET)
- SB-13 — SAMPLING LOCATION FULLY REMOVED DURING EXCAVATION ACTIVITIES

0' 50' 100'
APPROXIMATE SCALE

REFERENCES:

1. BASE MAP SOURCE: IANUZI & ROMANS, P.C. AND CT MALE ASSOCIATES P.C.
2. THE VALUES SHOWN ARE BASED ON NEW YORK (CENTRAL ZONE) STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983.

AECOM

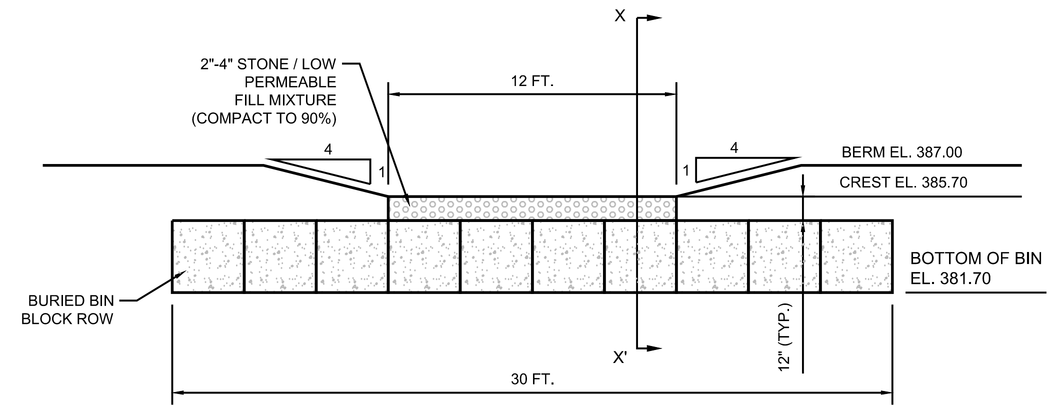
LOCKHEED MARTIN CORPORATION
POST-REMEDIATION
RESIDUAL CADMIUM
SHEET 3 OF 3

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

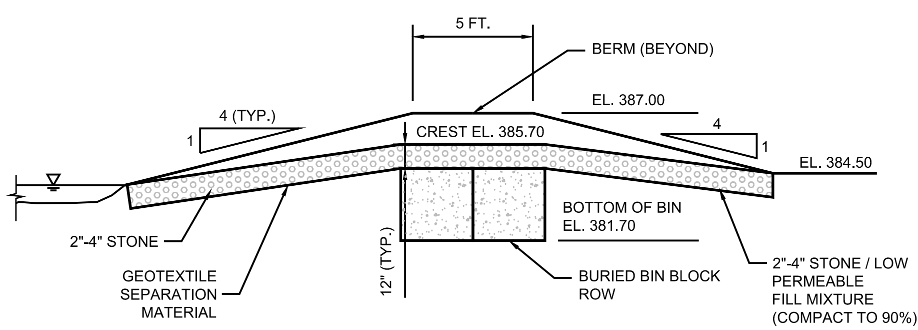
FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_Fig 7.dwg	RNB	60338140	2 / 2018	7C

Plotted By: Bookasr
Layout-Sheet Name: FIGURE 3C
Plot File Date Created: Feb/14/2018 2:36 PM

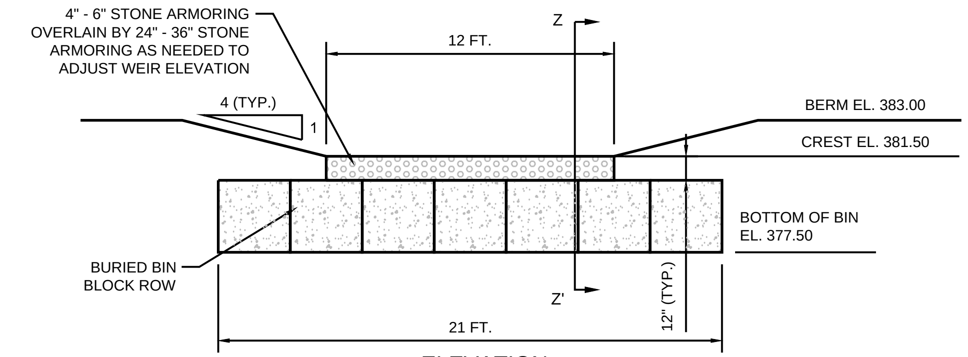
Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN – BLOODY BROOK\CAD\FER FIGURES\FER_FIG 7.DWG



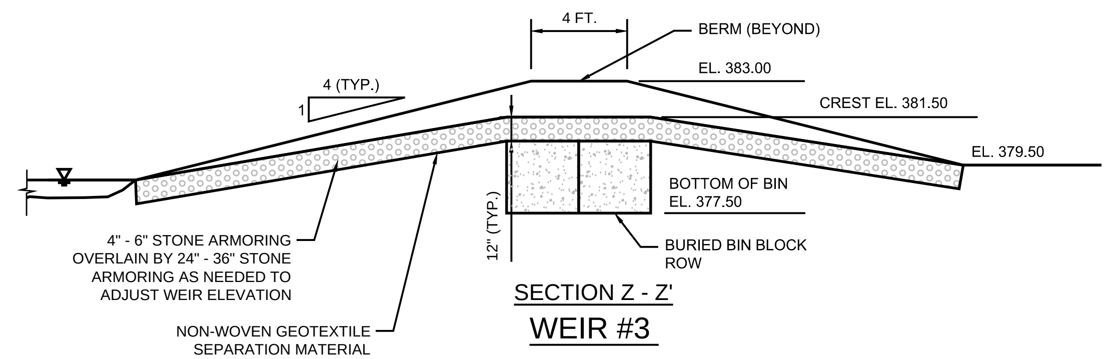
ELEVATION
WEIR #1



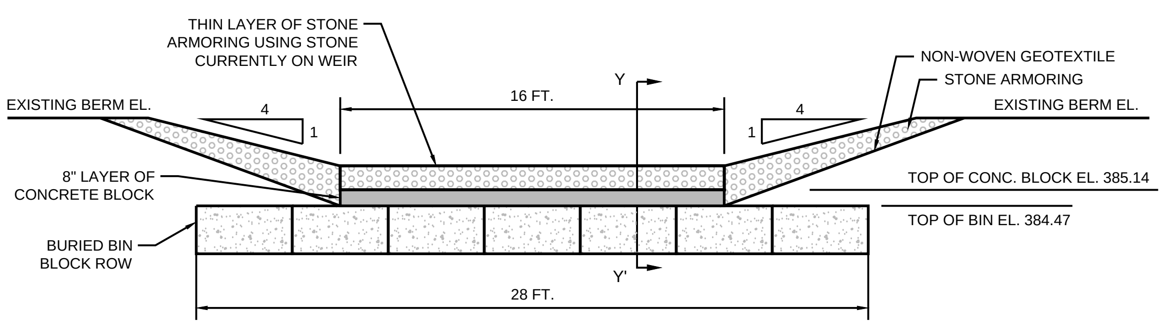
SECTION X - X'
WEIR #1



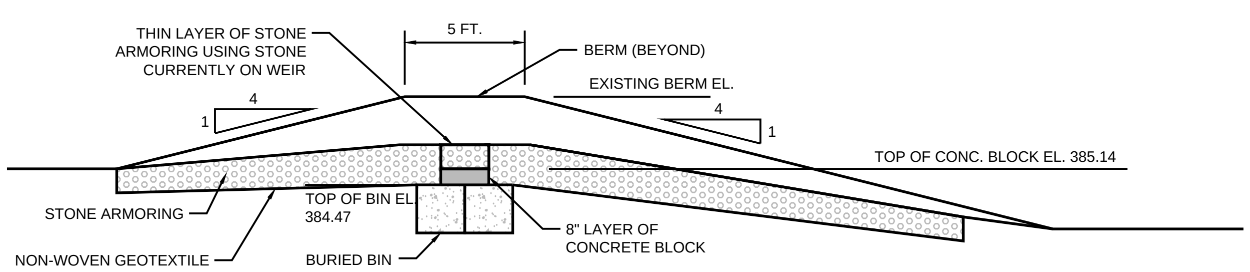
ELEVATION
WEIR #3



SECTION Z - Z'
WEIR #3



ELEVATION
WEIR #2



SECTION Y - Y'
WEIR #2

0' 4' 8' 16'
SCALE

AECOM

LOCKHEED MARTIN CORPORATION

CONSTRUCTION DETAILS

BLOODY BROOK
ONONDAGA COUNTY, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
FER_FIG 8.DWG	RNB	60338140	11 / 2017	8

Filename: N:\MARKETING\PROPOSALS\LOCKHEED MARTIN - BLOODY BROOK\CAD\FER FIGURES\FER_FIG 8.DWG