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FINAL INTERIM REMEDIAL MEASURES WORK PLAN CULVERT SEDIMENT REMOVAL

BLOODY BROOK ONONDAGA COUNTY, NEW YORK

PROJECT NO. 129916

April 22, 2008

Submitted to:

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Submitted by:

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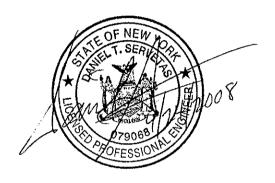
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INTERIM REMEDIAL MEASURES WORK PLAN CULVERT SEDIMENT REMOVAL BLOODY BROOK, ONONDAGA COUNTY, NEW YORK

CERTIFICATION STATEMENT

I, Daniel T. Servetas, P.E., certify that this Interim Remedial Measures (IRM) Work Plan was prepared by a professional engineer in accordance with Paragraph II.B.2 of the Voluntary Cleanup Agreement for Remedial Investigation/Remedial Action between the New York State Department of Environmental Conservation and Lockheed Martin Corporation (Index #: D7-0001-01-09).



Daniel T. Servetas, P.E. License Number 079068

In accordance with New York State Education Law, it is a violation for any person, unless he is acting under the direction of a licensed professional engineer, to alter this IRM Work Plan in any way.

The Onondaga County Department of Water Environment Protection (OCDWEP) has requested Lockheed Martin Corporation (LMC) to remove sediment that has collected in four culverts within the West Branch of Bloody Brook (WBBB) located in the Town of Salina and Village of Liverpool, Onondaga County, New York. The locations of the culverts are within the Bloody Brook site (Figure 1) that is the subject of a Voluntary Cleanup Agreement (VCA) between LMC and the New York State Department of Environmental Conservation (NYSDEC) (Index # D7-0001-01-09, effective July 20, 2002). The OCDWEP has requested the sediment removal to increase the hydraulic capacity of the drainage system in the area. The four culverts are located at Brookview Lane, Sunflower Drive, Floradale Road, and Pearl Street.

LMC proposes to conduct the sediment removal as an Interim Remedial Measure (IRM) under the VCA in accordance with this Work Plan.

The remainder of this IRM Work Plan is organized as follows:

<u>Section 2 – Purpose and Objectives</u>: This section presents the purpose and defines the site work area along with the project objectives.

<u>Section 3 – Pre-Mobilization Activities</u>: This section presents a description of the activities that will be completed prior to initiating on-site activities, including public participation, operation plan, health and safety, and permitting.

<u>Section 4 – Site Preparation</u>: This section presents a description of the activities that will be completed as part of site preparation, including access to the work areas, preparation of loading and support areas, and vegetation clearing.

<u>Section 5 – Sediment Control and Surface Water Diversions</u>: This section presents a description of measures that will be taken to control sediment and divert surface water during sediment removal activities.

<u>Section 6 – Sediment Removal</u>: This section presents a description of the activities that will be completed to perform the sediment removal.

<u>Section 7 – Post-Removal Sediment Handling</u>: This section presents a description of the activities that will be completed as part of the post-removal sediment handling, including the stockpiling, dewatering, loading of transport vehicles, and material disposition.

<u>Section 8 – Area Restoration</u>: This section presents a description of the activities that will be completed in connection with the site restoration.

<u>Section 9 – Contingency Plan</u>: This section presents a summary of contingency considerations in connection with the project.

<u>Section 10 – Project oversight and Reporting</u>: This section describes oversight of the on-site field activities and the Interim Remedial Measure Certification Report that will be prepared upon completion of the sediment removal.

<u>Section 11 – Implementation Schedule</u>: This section presents a summary of the estimated time required to complete the sediment removal described in this IRM Work Plan.

2.0 PURPOSE AND OBJECTIVES

Described within this IRM Work Plan are the methods and procedures to be used to remove sediment present within four culverts found along a portion of the WBBB. In addition to removal of material from within each culvert, accumulated material that is immediately upstream and downstream of each culvert will be removed.

This IRM Work Plan represents the "site operations plan" for the culvert sediment removal and has been developed in accordance with good engineering practice consistent with procedures employed by OCDWEP during the maintenance of the drainage district.

2.1 Site Work Area Description

The "site work area" is defined as the four culverts located on the WBBB at Brookview Lane, Sunflower Drive, Floradale Road, and Pearl Street as shown on Figure 2. The sediment removal will also include the portions of the WBBB immediately upstream and downstream of each of the culverts (i.e., within the wing walls of the culverts). The current condition of the culverts is shown in photographs taken on January 7, 2008 and included as Appendix A. All four of these work areas are located within the section of WBBB that is classified as a Class C stream.

2.2 Culvert Sediment Removal Objectives

The objective of this IRM is to remove the bulk sediment located within the identified culverts as requested by OCDWEP.

3.0 PRE-MOBILIZATION ACTIVITIES

This section provides a discussion of the activities that will be completed prior to initiating onsite activities. Information regarding public participation, operation plan, health and safety, and permitting is discussed below.

3.1 Public Notice

In accordance with subparagraph II.G of the VCA, NYSDEC does not require LMC to provide a public notice or comment period for an IRM. Since the sediment removal related to the culvert maintenance is being completed as an IRM, no public notice or comment period will be conducted.

3.2 Operation Plan

Prior to initiating any on-site work, the contractor selected to complete the sediment removal will be required to submit an Operation Plan to LMC. The purpose of the Operation Plan is to summarize the materials, procedures, timelines, and controls that the contractor intends to utilize during project activities. That plan will include the following:

- List of equipment to be used on-site;
- Work schedule;
- The contractor's proposed plan for controlling vehicular and pedestrian traffic during the performance of construction activities;
- The contractor's statement of qualification package, as appropriate;
- Stormwater, erosion, spill, noise, and dust control measures;
- The contractor's proposed approach to the sediment removal;
- Materials handling and staging approach; and
- Equipment cleaning and decontamination procedures.

This operations plan will be submitted to NYSDEC prior to conducting the IRM.

3.3 Health and Safety

Prior to initiating any on-site work, the contractor selected to complete the sediment removal will be required to submit to LMC a Project Health and Safety Plan (HASP). That HASP will

identify the contractor's project-specific health and safety procedures and will be developed to address the minimum requirements established in 29 CFR 1910 and 1926. The plan will address those activities to be undertaken by the contractor and present required information including, but not limited to, the following (as applicable):

- Training;
- Identification of key personnel (including the contractor's health and safety officer);
- Medical surveillance;
- · Site hazards:
- · Work zones;
- Personal safety equipment and protective clothing;
- · Personal air monitoring;
- · Personnel/equipment cleaning;
- · Construction safety procedures; and
- Standard operating procedures and safety programs.

The HASP will be submitted to NYSDEC prior to conducting the IRM.

3.4 Permits

As stated in subparagraph XIV.C of the VCA, LMC anticipates that the NYSDEC will provide an exemption to LMC for any required NYSDEC permits related to these IRM activities. In addition, it is not expected that permits will need to be obtained from New York State Department of Health (NYSDOH) or OCDWEP; however, each of these agencies will be informed of the project schedule.

The U.S. Army Corps of Engineers (USACE) has been contacted and has informed LMC that authorization to use a Nationwide Permit will need to be obtained. Specifically, LMC is expecting to use Nationwide Permit 33 (NWP 33) for these activities. A preconstruction notification (PCN) is currently being compiled, and the authorization from USACE is expected to be obtained by LMC within 45 days from the date of submittal of the PCN. Once USACE authorization is obtained, LMC will notify the NYSDEC. LMC will also comply with the conditions set forth in the NYSDEC May 11, 2007 document relating to Section 401 Water Quality Certification.

LMC has also contacted the Town of Salina Highway Department regarding traffic control during the implementation of the IRM. Upon approval of this IRM Work Plan, LMC will coordinate with the Town of Salina and determine exactly how traffic will be controlled.

At least two full working days prior to beginning excavation work, the LMC contractor shall notify Dig Safely New York to obtain utilities clearance.

4.0 SITE PREPARATION

This section provides a discussion of the site access, preparation of loading and support areas, and vegetation clearing.

4.1 Access

Access to the work areas for ingress and egress of personnel and equipment is anticipated to be from public roadways and from within the OCDWEP easement. This will be confirmed upon completion of the Operations Plan. The public roadway access points include the crossings at Brookview Lane, Sunflower Drive, Floradale Road, and Pearl Street.

4.2 Preparation of Loading and Support Areas

The points of access discussed above would also be used as loading and support areas for the sediment removal and maintenance work. Preparation of these areas may include removal of traffic guard rails and establishing temporary traffic controls. These measures will be coordinated with the Town of Salina Highway Department as stated in **Section 3.4**.

4.3 Vegetation Clearing

Clearing of vegetation adjacent to the work area is not anticipated. Any vegetation removed from the stream bed as part of this IRM will be handled and disposed with sediments removed from the work area.

5.0 SEDIMENT CONTROL AND SURFACE WATER DIVERSIONS

This section describes the measures that will be taken to control sediment transport within the WBBB during the work, and to divert the flow of surface water around the work areas while work is ongoing.

5.1 Surface Water Diversion Around Work Areas

Surface water will be diverted around each work area by constructing temporary dams both upstream and downstream of each work area. The location of the temporary dams will be within the narrowest portion of the WBBB where it enters and exits the wing walls of each culvert. The temporary dams will be constructed using sandbags that will be placed on geotextile fabric to maintain separation between the stream bed and the sandbags. The entire flow of the WBBB will be diverted around the work area by pumping from the upstream side of the upstream dam. Water from within the closed work area will be removed by pumping. The pumps will be operated to minimize sediment removal and disturbance during the pumping process. The diverted water will be discharged a sufficient distance downstream from the work area to allow work in a relatively dry channel section. The pump discharge will be directed against a solid object (e.g., concrete slab, stone, or steel container) or straw bales to dissipate the energy from the discharge and prevent erosion of the stream bed and/or banks.

Subsequent to the sediment removal from each culvert, the upstream and downstream sand bag dams will be disassembled prior to shutting down the diversion pump(s). Disassembly in this manner will prevent a sudden rush of water downstream.

5.2 Sediment Control Measures

Disturbance to the bed or banks of the WBBB shall be kept to the minimum necessary to complete the IRM. The four culverts will be excavated sequentially to control flow and sedimentation. In addition, a variety of sediment control measures will be taken to control turbidity as discussed below.

Within each active work area (i.e., slightly downstream of the upstream dam), a temporary collection sump will be maintained to collect any seepage water. If necessary, the water that accumulates in the sump will be removed. The removal of the sump water will be conducted in a manner that minimizes sediment removal and disturbance from the bottom of the sump. In

iddition, periodic visual inspections in accordance with NYSDEC Part 703: Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (NYSDEC Part 703) will be made upstream and downstream of the work area. As stated in NYSDEC Part 703, a comparison of the upstream and downstream portions of the WBBB will be used to determine hat "no increase that will cause a substantial visible contrast to natural conditions" has occurred. The water removed from within the work area will be discharged against the energy dissipater described in Section 5.1. If necessary, the water removed from within the work area will be lischarged through a filter system.

These measures are expected to protect downstream sections of the WBBB during a typical storm and/or sudden snowmelt. In the event that an atypical storm is predicted, sediment emoval and maintenance activities will be temporarily delayed until after the storm subsides.

7.0 POST REMOVAL SEDIMENT HANDLING

This section describes the methods that will be used to handle the sediments after they are removed from the culverts.

7.1 Sediment Stockpiling and Dewatering

As the sediments are being removed from within the culvert barrels as discussed in **Section 6.0**, the sediments will be stockpiled on the upstream and downstream side of the culverts within the work area and between the wing walls to allow for the sediments to dewater naturally within the dewatered work area. In addition, absorbent material (either vermiculite, sawdust, wood chips, or speedi-dry) may be added to the stockpiles to facilitate the dewatering process. The need for and the amount of absorbent material added to each stockpile will be dependent on the weather and condition of the sediment. The addition of absorbent material will be at the discretion of the LMC representative on-site and in accordance with acceptance criteria at the disposal facility. The stockpiles will be covered with polyethylene sheeting while dewatering and until loaded for deposition to prevent additional water from entering the stockpiles due to precipitation.

7.2 Loading of Transport Vehicles

The stockpiled sediments will be loaded into transport vehicles at roadways over the subject culverts (i.e., Brookview Lane, Sunflower Drive, Floradale Road, and Pearl Street) for transport to Waste Management's High Acres Landfill in Fairport, New York. Transport vehicles will be lined prior to placement of material for transport to the disposal facility (including an absorbent boom around the tailgate). Material loading will be accomplished using standard construction equipment. At each loading area, a temporary containment will be constructed using HDPE sheeting. The containment area will be adequately sized to ensure that any material that may fall off the loading equipment between the stockpile and the transport vehicle will not fall onto the ground surface. As the material is being loaded, absorbent material (either vermiculite, sawdust, wood chips, or speedi-dry) may be added to the truck to absorb water that may separate from the sediments during transportation. The need for and the amount of absorbent material added to each load will be depended on the weather and condition of the sediment. The addition of absorbent material will be at the discretion of the LMC representative on-site and in accordance with acceptance criteria at the disposal facility.

At some material loading areas, it may be necessary to temporarily remove traffic guard rails located above the culverts. Upon completion of the material loading operations, any material that accumulated on the temporary containment area will be cleaned up and placed within the transport vehicle. The material used to construct the temporary containment area will then be disassembled and disposed of properly, and the traffic guard rails will be restored to their original configurations.

7.3 Material Disposition

On January 24, 2008, composite sediment samples were collected from each of the four culverts to evaluate the waste characteristics. Specifically, one composite sample was collected from each culvert for a total of four composite samples. Each composite sample was comprised from four sub samples as shown on **Figure 7**. The material within each culvert was divided roughly into four equal quadrants, and the sub samples were collected from each quadrant. The composite sample was created by taking half of each sub sample and mixing the four parts. The other half of each sub sample was also sampled. Initially only the four composite samples were analyzed.

The analytical results from the four composite samples (summarized in **Table 2**) were evaluated to determine appropriate disposition methods in accordance with applicable laws and regulations. Specifically, the data was compared to Toxicity Characteristic Leaching Procedure limits, Resource Conservation and Recovery Act characteristics, and Toxic Substance Control Act limits. As shown in **Table 2**, the composite samples were found to be below the regulatory standards and to be non-hazardous waste. **Appendix B** contains a set of laboratory analytical results.

Although the analytical results from the composite samples indicate that the sediments subject to removal as part of the culvert maintenance program do not require disposition as a hazardous waste, LMC has chosen to dispose of the sediments at a hazardous waste landfill (i.e., Waste Management's High Acres Landfill). In addition, final transportation and disposal decisions will be at LMC's discretion and will be based upon weather conditions, the availability of suitable disposal facility capacity, and/or scheduling requirements of the disposal facility.

Because the construction activities will be conducted in a manner that minimizes impacts on the WBBB and adjacent areas, no restoration activities are expected to be required. The only material being removed will be the non-cohesive material from within the culverts and between the wing walls. Rip-rap (where present) will not be disturbed. If rip-rap is disturbed or any damage occurs to the stream banks, repairs will be made to restore the rip-rap and stream bank to pre-construction conditions. Materials used for sediment control and water diversion (e.g., geotextile fabric, sandbags, etc.) will be completely removed from the WBBB maintaining the pre-construction elevations of the stream bottom in those areas.

LMC does not anticipate any damage to the areas adjacent to the WBBB stream bank. If any damage should occur, damaged areas will be returned to pre-construction conditions through grading, placement of topsoil (if needed), and seeding with similar grasses. Any damaged asphalt paved areas will be restored with hot mix asphalt. If immediate restoration is required, a temporary cold patch asphalt repair may be made.

It is anticipated that during material loading operations, some traffic guard rails may have to be temporarily removed. Upon completion of loading operations, these traffic guard rails will be immediately restored to their original configuration.

Pre- and post-construction photographs will be used to document the completion of area restoration.

9.0 CONTINGENCY PLAN

This section of the IRM Work Plan has been developed to identify steps that will be taken in response to events that may reasonably occur during this work. These events include weather conditions, access, and projects of other parties.

9.1 Weather Conditions

During heavy precipitation events, the work area may not be accessible to the equipment that will be used during implementation. Therefore, to protect the safety of site personnel and to reduce the damage to maintained areas, work activities will not be conducted on days where forecasts predict significant precipitation. Work will resume when conditions are deemed appropriate.

9.2 Access

The IRM described herein will be conducted within the Bloody Brook Drainage District maintained by Onondaga County pursuant to easements and rights-of-way. LMC is working with Onondaga County to finalize an Access Agreement for Temporary Use and Occupancy of Property to permit the implementation of this IRM Work Plan and all other remediation work under the VCA. LMC will provide notice to the Town of Salina regarding the implementation of this IRM Work Plan. If any access discussions are unsuccessful, LMC will notify the NYSDEC in accordance with Subparagraph XIV.C of the VCA for assistance in obtaining access.

9.3 Projects of Other Parties

LMC is not aware of any other projects occurring in the vicinity of the IRM work area. However, the schedule presented in **Section 11** of this work plan may be affected should other projects impede this work.

10.0 PROJECT OVERSIGHT AND REPORTING

In accordance with Subparagraph II.B.2 of the VCA, this IRM Work Plan has been reviewed and sealed by a New York State Professional Engineer. A certification statement is included on page iii of this IRM Work Plan. Once approved, in accordance with Subparagraph II.B.3 of the VCA, all field activities will be supervised by an on-site representative who is qualified to supervise the activities presented herein.

Upon completion of the IRM, LMC will provide the NYSDEC with an Interim Remedial Measure Certification Report. The report will detail the work activities completed at the site. The report will include a map illustrating the work area. The report will be reviewed and sealed by a New York State Professional Engineer.

11.0 IMPLEMENTATION SCHEDULE

This section presents the anticipated schedule required to complete the IRM activities. LMC will complete the IRM activities while the WBBB is at low flow. If it is a dry spring following the snow melt, LMC will initiate the activities prior to the summer season. Below is the schedule that LMC desires to follow for the project which is depended upon NYSDEC review, obtaining the NWP 33, and contractor schedules.

Activity	Anticipated Schedule			
Submittal of Work Plan to NYSDEC	0 days			
NYSDEC Review	30 days			
LMC/NYSDEC Address Comments	15 days			
Contractor Bidding, Access Negotiations, Permitting	30 days			
Contractor Preparation (Operations and Health and Safety Plan, etc.)	30			
Submittal of Contractor Operations and Health and Safety Plans to NYSDEC (for information only)	0 days			
Project Execution	30 days			
Submittal of IRM Certification Report	15 days			

LMC anticipates that any comments provided by NYSDEC can be resolved in a letter format without further review or submittal of a revised IRM Work Plan.

TABLES

Table 1

Characteristics and Estimated Sediment Removal Volumes/Mass

Bloody Brook, Onondaga County, New York

		Inlet Invert	Outlet Invert	Material Located Inside CMP Barrels	ırreis	Material Located Outside CMP Barrels	Г	Total Volume	Mass
Culvert Location Description	Description	(ff msl)	(ft msl)	Description	Volume (cy)	Description	Volume (cy)	(cy)	(tons)
Brookview Lane	Double CMP	370.4	370.0	Dark brown, medium grain SAND and subrounded GRAVEL, little silt, moist. (SM)	17.82	Sediment build-up with vegetation	6.67	24.49	33.0615
Sunflower Drive	Double CMP	368.1	367.8	Dark brown medium grain SAND and subrounded COBBLE, little subrounded gravel, trace wood, moist. (SP)	14.52	Sediment build-up with vegetation	5.22	19.74	26.649
Floradale Road	Double CMP	366.1	366.3	Dark brown, medium grain, SAND, some fine grain sand and silt, little subrounded gravel, moist. (SP)	26.18	Sediment build-up with vegetation	20.89	47.07	63.5445
Pearl Street	Double CMP	364.3	364.3	Dark brown, fine to medium grain SAND, some silt, trace wood, trace subrounded	73.34	Sediment build-up with vegetation	7.30	80.64	108.864
							Totals	172	232

Notes:

1. CMP = Corrugated metal pipe

2. ft = feet

3. msl = mean sea level

4. SM = Unified Soil Classification System group symbol for silty sand

5. SP = Unified Soil Classification System group symbol for poorly-graded sand

6. cy = cubic yards

Table 2 Analytical Results and TCLP/TSCA Limits and Characteristics

Bloody Brook, Onondaga County, New York

San	ple ID:	BROOK-COMP	FLOR-COMP	SUN-COMP	PEARL-COMP	TCLP/TSCA
Date Sample Co		1/24/2008	1/24/2008	1/24/2008	1/24/2008	Limits/Characteristics
Type of S		Sediment	Sediment	Sediment	Sediment	
Volatiles		<u> </u>				
1,1-Dichloroethene	UG/L	ND (10)	ND (10)	ND (10)	ND (10)	0.7
1,2-Dichloroethane	UG/L	ND (10)	ND (10)	ND (10)	ND (10)	500
Benzene	UG/L	ND (10)	ND (10)	ND (10)	ND (10)	500
Carbon Tetrachloride	UG/L	ND (10)	ND (10)	ND (10)	ND (10)	500
Chlorobenzene	UG/L	ND (10)	ND (10)	ND (10)	ND (10)	100,000
Chloroform	UG/L	ND (10)	ND (10)	ND (10)	ND (10)	6,000
Methyl Ethyl Ketone	UG/L	ND (50)	ND (50)	ND (50)	ND (50)	200,000
Tetrachloroethene	UG/L	ND (10)	ND (10)	ND (10)	ND (10)	700
Trichloroethene	UG/L	ND (10)	ND (10)	ND (10)	ND (10)	500
Vinyl chloride	UG/L	ND (10)	ND (10)	ND (10)	ND (10)	200
Semivolatiles	1: ::::::		(**i			,
1,4-Dichlorobenzene	MG/L	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	7.5
2,4,5-Trichlorophenol	MG/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	400
2,4,6-Trichlorophenol	MG/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	2.0
2,4-Dinitrotoluene	MG/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	0.13
Cresol, m-	MG/L	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	200
Cresol, o-	MG/L MG/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	200
Cresol, p- Hexachlorobenzene	MG/L	ND (0.020) ND (0.020)	ND (0.020)	ND (0.020)	0.0016 J ND (0.020)	200 0.13
Hexachlorobutadiene	MG/L	ND (0.020)	ND (0.020) ND (0.020)	ND (0.020) ND (0.020)	ND (0.020) ND (0.020)	0.13
Hexachloroethane	MG/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	3.0
Nitrobenzene	MG/L	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	2.0
Pentachiorophenol	MG/L	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)	100
Pyridine	MG/L	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	5.0
Metals	TWO'L	(0.10)	140 (0.10)	140 (0.10)	145 (0.10)	0.0
Arsenic, Total	MG/L	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	5.0
Barium, Total	MG/L	2.8	2.1	2.2	1.6	100
Cadmium, Total	MG/L	0.076	0.082	0.021	0.057	1.0
Chromium, Total	MG/L	ND (0.0040)	ND (0.0040)		0.011	5.0
Lead, Total	MG/L	ND (0.0050)	ND (0.0050)		0.059	5.0
Mercury, Total	MG/L	ND (0.00020)		ND (0.00020)	ND (0.00020)	0.2
Selenium, Total	MG/L	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	1.0
Silver, Total	MG/L	ND (0.0030)	ND (0.0030)	ND (0.0030)	ND (0.0030)	5.0
Herbicides						
2,4,5-TP (Silvex)	MG/L	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	1.0
2,4-D	MG/L	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	10
Pesticides						
Chlordane	MG/L	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	0.03
Endrin	MG/L	ND (0.00020)	ND (0.00020)	ND (0.00020)	ND (0.00020)	0,02
Heptachlor	MG/L	ND (0.00020)	ND (0.00020)	ND (0.00020)		0.008
Heptachlor epoxide	MG/L	ND (0.00020)	ND (0.00020)	ND (0.00020)	ND (0.00020)	0.008
Methoxychlor	MG/L	ND (0.00020)		ND (0.00020)		10
Toxaphene	MG/L	ND (0,0020)		ND (0.0020)		0.5
gamma-BHC (Lindane)	MG/L	ND (0.00020)	ND (0.00020)	ND (0.00020)	ND (0.00020)	0.4
RCRA Characteristics						
Corrosivity (pH)	S.U.	7.74	7.50	7.59	7.28	< 2 or > 12.5
Flashpoint	°F	>176	>176	>176	>176	< 104
HCN Released From Waste	MG/KG	ND (10)	ND (10)	ND (10)	ND (10)	See Note 13
H ₂ S Released From Waste	MG/KG	ND (10)	ND (10)	ND (10)	ND (10)	See Note 13
Polychlorinated Biphenyls						
PCB 1016	UG/KG	ND (18)	ND (99)	ND (41)	ND (1300)	50,000
PCB 1221	UG/KG	ND (18)	ND (99)	ND (41)	ND (1300)	50,000
PCB 1232	UG/KG	ND (18)	ND (99)	ND (41)	ND (1300)	50,000
PCB 1242	UG/KG	ND (18)	ND (99)	ND (41)	ND (1300)	50,000
PCB 1248	UG/KG	ND (18)	ND (99)	ND (41)	ND (1300)	50,000
PCB 1254	UG/KG	ND (18)	ND (99)	ND (41)	ND (1300)	50,000
PCB 1260	UG/KG	270	850	780	ND (1300)	50,000

Table 2

Analytical Results and TCLP/TSCA Limits and Characteristics

Bloody Brook, Onondaga County, New York

Notes:

- 1. Samples were collected to characterize sediments within culverts subject to maintenance activities in 2008.
- Each analysis was performed on a composite sediment sample. Each composite sediment sample (e.g., Brook-Comp) was comprised of equal parts collected at four sub-sampling locations within each culvert work area (e.g., Brook-A, B, C, and D) as shown on Figure 7.
- 3. TCLP/TSCA = Toxicity Characteristic Leaching Procedure/Toxic Substance Control Act
- 4. RCRA = Resource Conservation and Recovery Act
- 5. MG/L = milligrams per liter.
- 6. UG/L = micrograms per liter.
- 7. MG/KG = milligrams per kilogram.
- 8. °F = degrees Fahrenheit,
- 9. UG/KG = micrograms per kilogram.
- 10. S.U. = Standard Units
- 11. ND = indicates constituent not detected over laboratory detection limit with the detection limit in parentheses.
- 12. J = data qualifier that indicates the analytical result is an estimated value.
- 13. For pH conditions between 2 and 12.5, cyanide or sulfide bearing waste can generate toxic gases, vapors or fumes in quantities sufficient to present a danger to human health or the environment.
- 14. No values in table exceed TCLP/TSCA Limits and Characteristics.

FIGURES

29916A1

DRAWING NUMBER

APPROVED BY

oz-22-08

02-22-08 BY

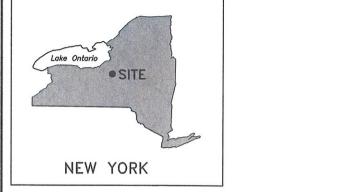
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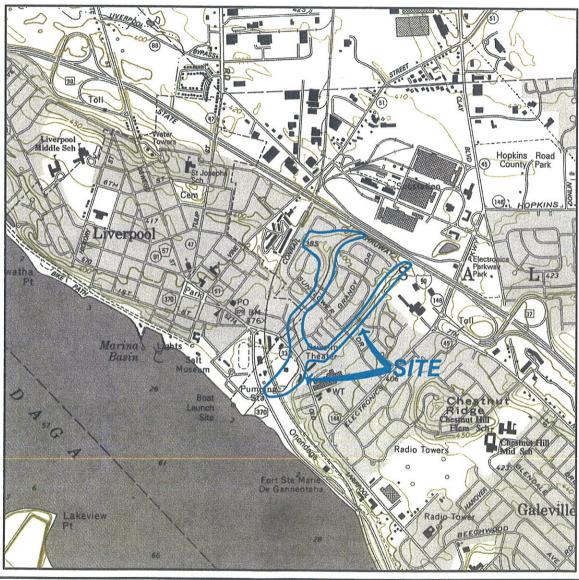
N BY 02-22-08

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OFFICE ALBANY, NY







REFERENCE:

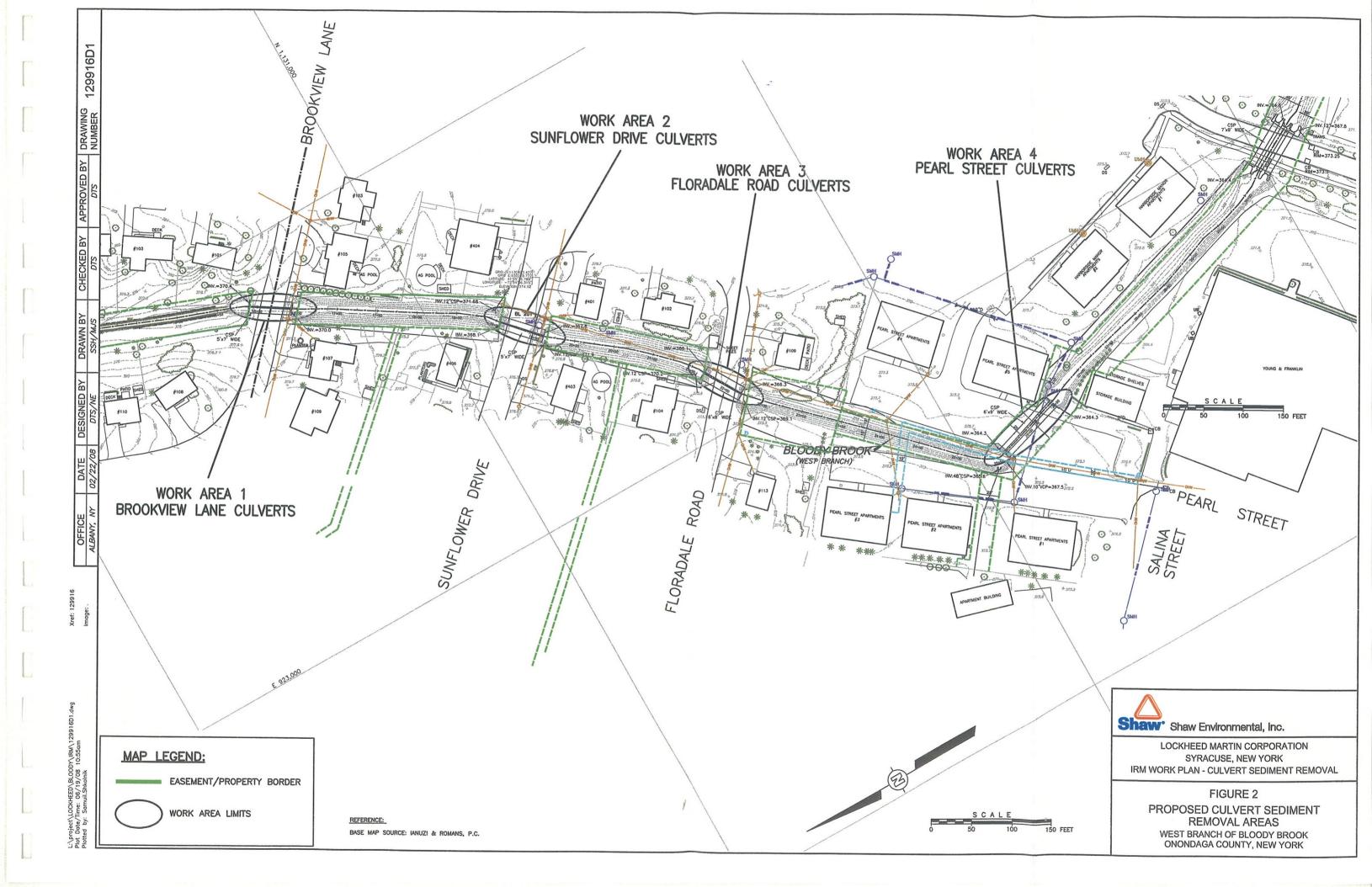
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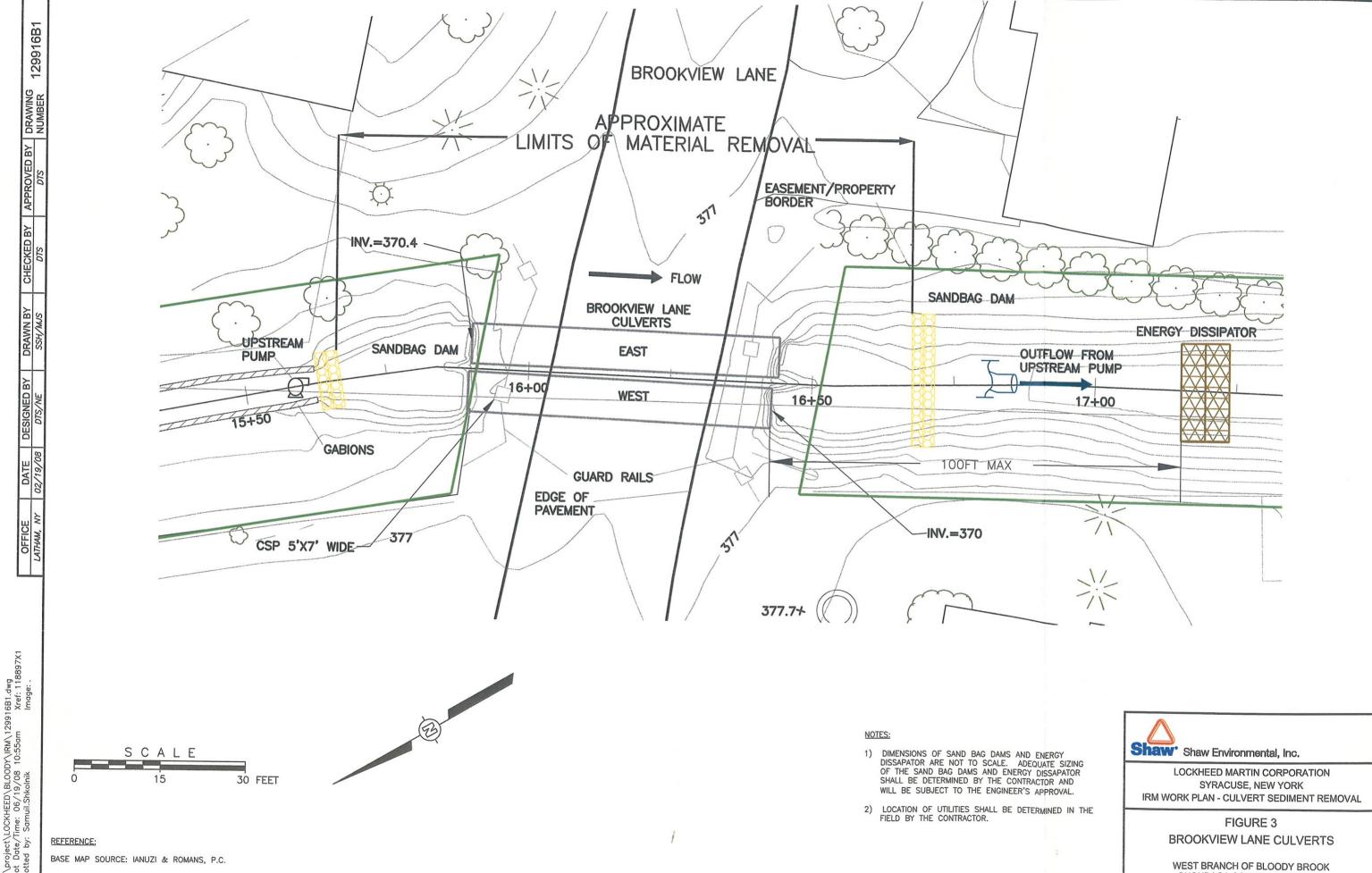


LOCKHEED MARTIN CORPORATION ONONDAGA COUNTY, NEW YORK

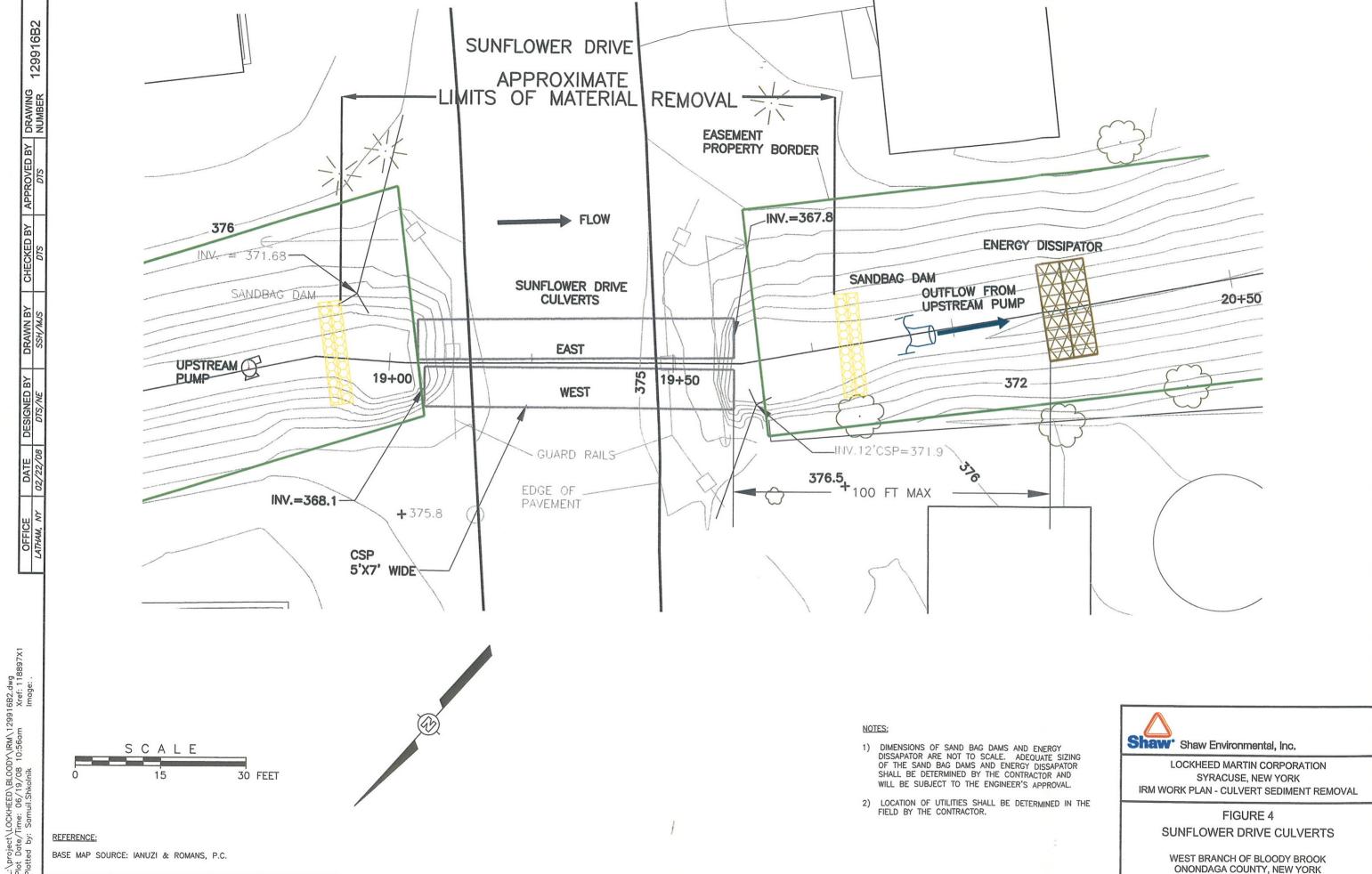
FIGURE 1 SITE LOCATION MAP

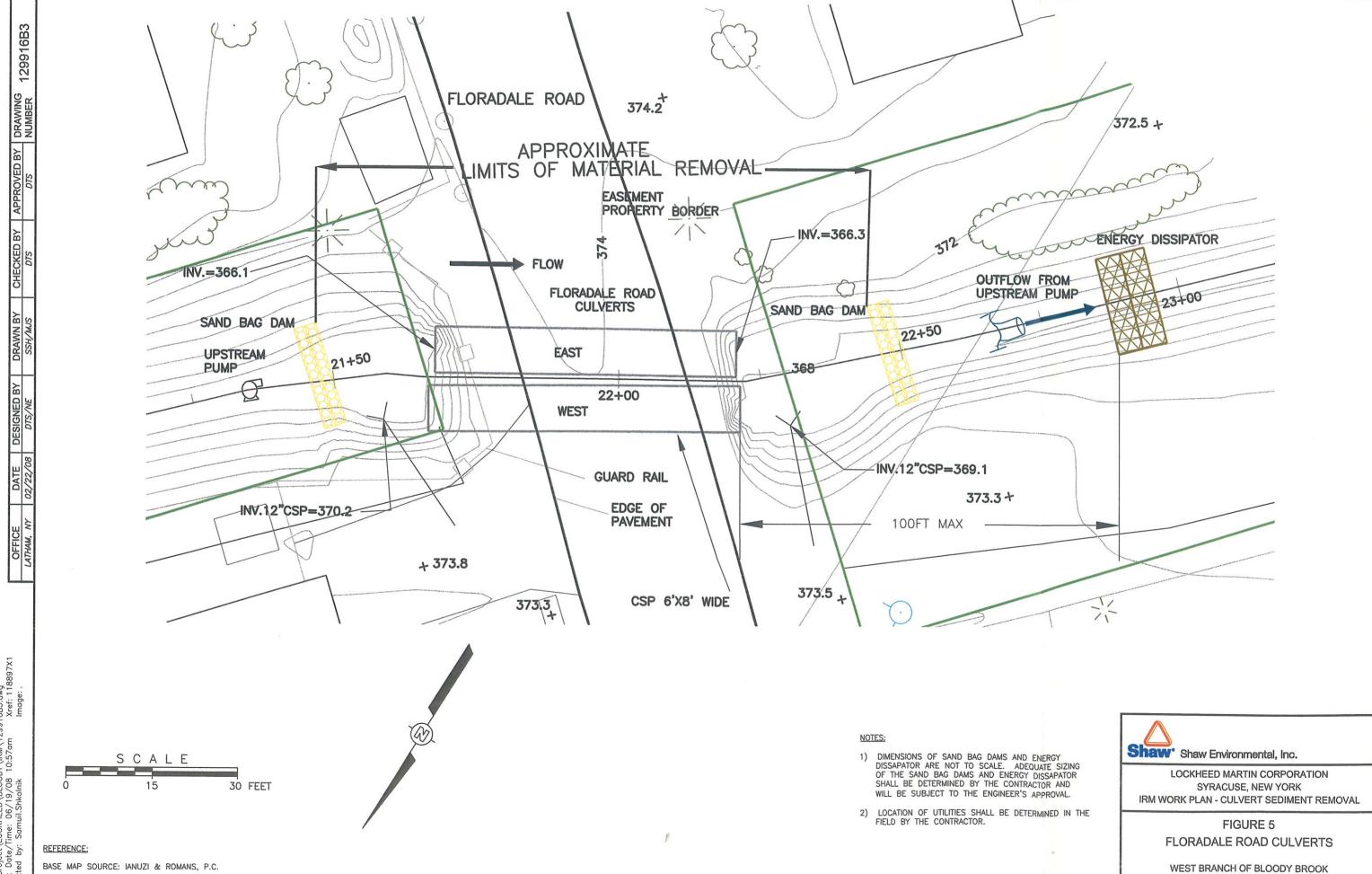
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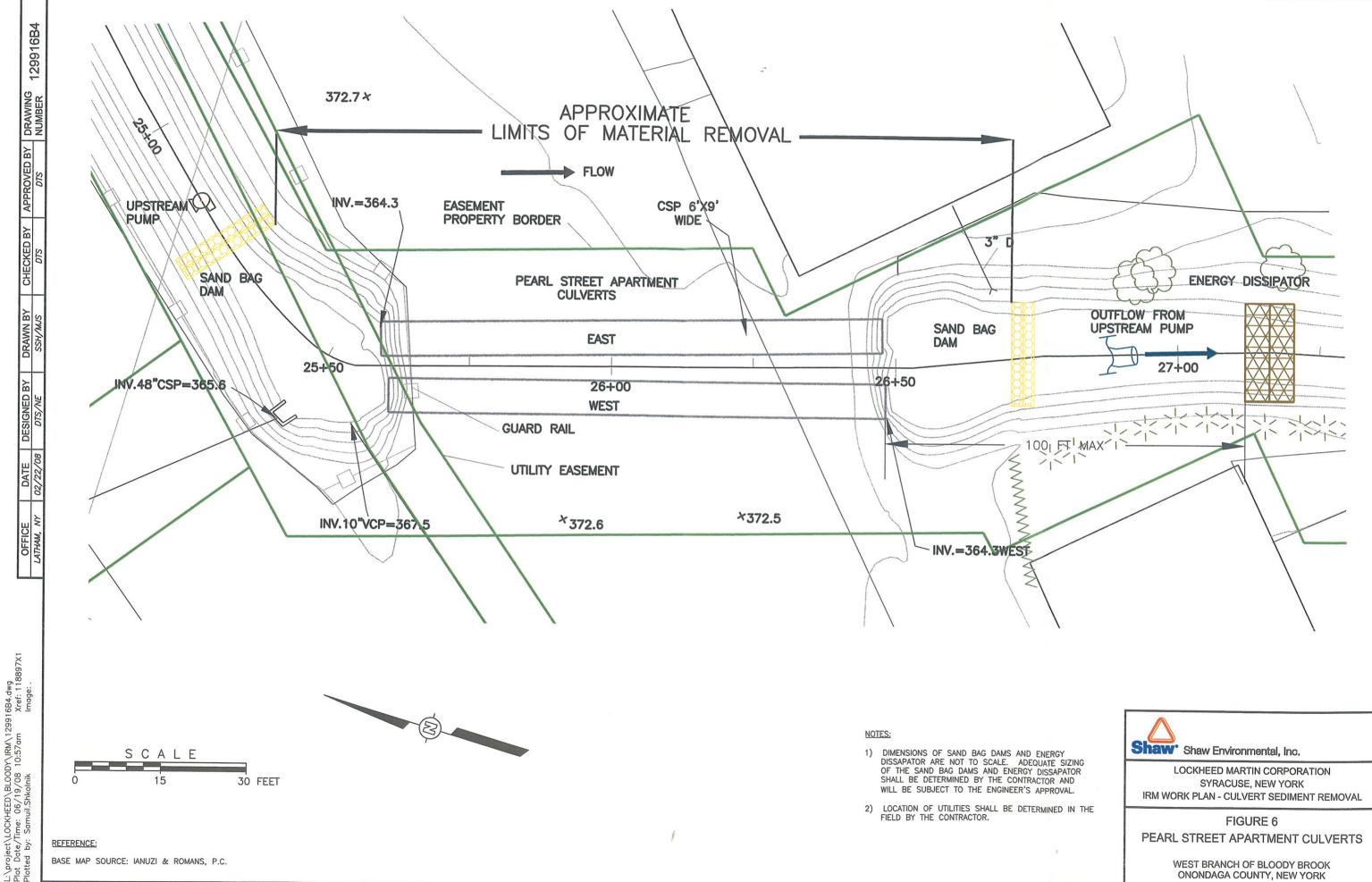


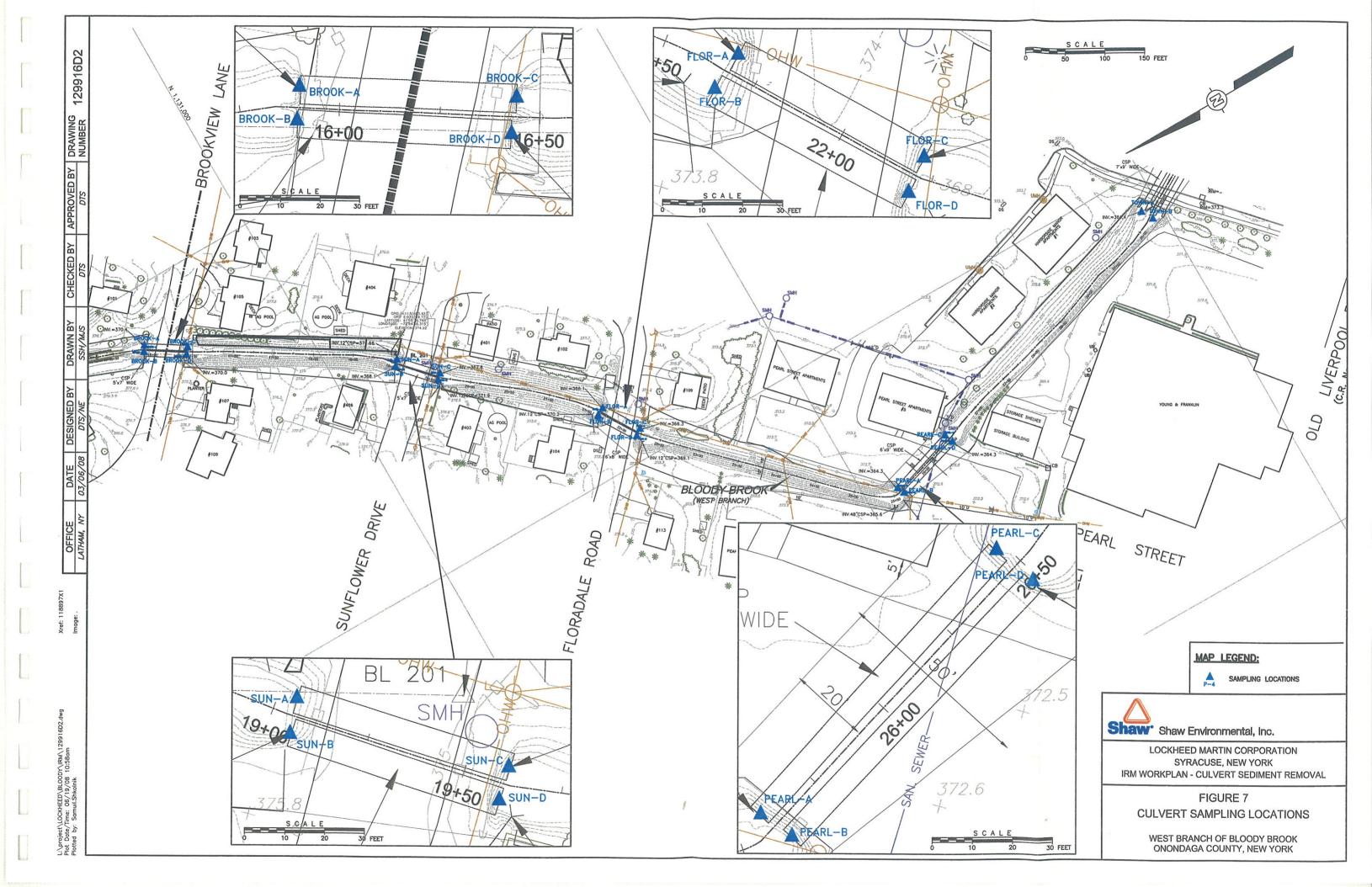
ONONDAGA COUNTY, NEW YORK





ONONDAGA COUNTY, NEW YORK





APPENDIX A PHOTO LOG

Shaw Environmental & Infrastructure, Inc. Photographic Record – Brookview Lane Culverts

Customer:

Lockheed Martin Corporation

Project Number:

129916

Site Name:

Bloody Brook

Site Location:

Liverpool, New York

Photographer:

Nickcole Evans

Date:

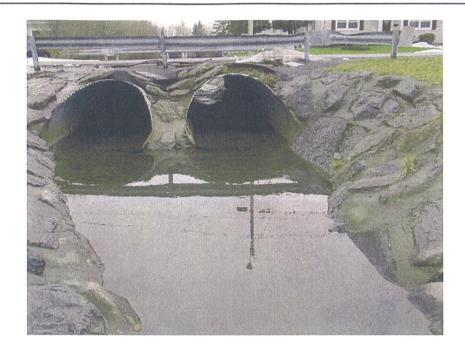
01/07/08

Location:

Salina, New York

Comments:

Area Upstream of Brookview Lane Culvert



Photographer:

Nickcole Evans

Date:

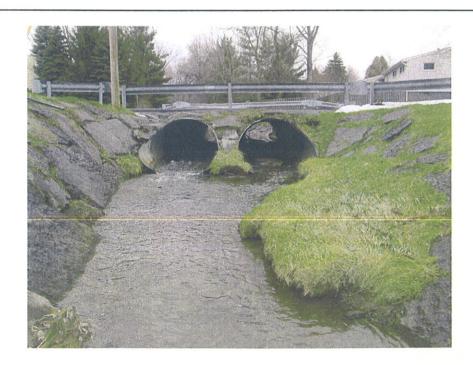
01/07/08

Location:

Salina, New York

Comments:

Area Downstream of Brookview Lane Culvert





Shaw Environmental & Infrastructure, Inc. Photographic Record – Sunflower Drive Culverts

Customer:

Lockheed Martin Corporation

Project Number:

129916

Site Name:

Bloody Brook

Site Location:

Liverpool, New York

Photographer:

Nickcole Evans

Date:

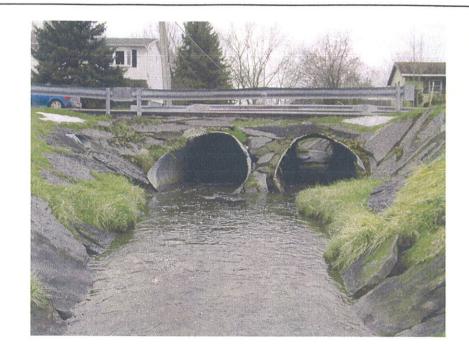
01/07/08

Location:

Salina, New York

Comments:

Area Upstream of Sunflower Drive Culvert



Photographer:

Nickcole Evans

Date:

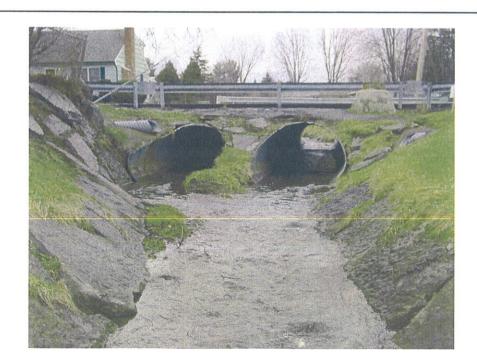
01/07/08

Location:

Salina, New York

Comments:

Area Downstream of Sunflower Drive Culvert





Shaw Environmental & Infrastructure, Inc. Photographic Record – Floradale Road Culverts

Customer:

Lockheed Martin Corporation

Project Number:

129916

Site Name:

Bloody Brook

Site Location:

Liverpool, New York

Photographer:

Nickcole Evans

Date:

01/07/08

Location:

Salina, New York

Comments:

Area Upstream of Floradale Road Culvert



Photographer:

Nickcole Evans

Date:

01/07/08

Location:

Salina, New York

Comments:

Area Downstream of Floradale Road Culvert





Shaw Environmental & Infrastructure, Inc. Photographic Record – Pearl Street Culverts

Customer:

Lockheed Martin Corporation

Project Number:

129916

Site Name:

Bloody Brook

Site Location:

Liverpool, New York

Photographer:

Nickcole Evans

Date:

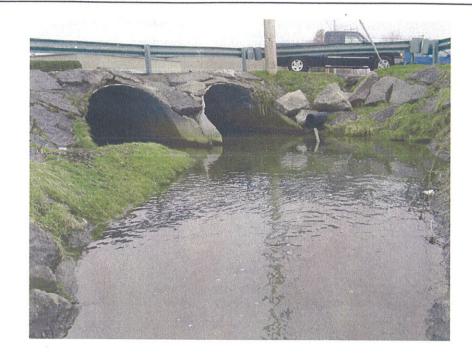
01/07/08

Location:

Salina, New York

Comments:

Area Upstream of Pearl Street Culvert



Photographer:

Nickcole Evans

Date:

01/07/08

Location:

Salina, New York

Comments:

Area Downstream of Pearl Street Culvert





APPENDIX B LABORATORY ANALYTICAL RESULTS



ANALYTICAL REPORT Revised

Job#: A08-0908

Project#: NY3A9090

Site Name:

Task: Electronics Park

Nickcole Evans Shaw E&I 6992 Knolls Avenue North Canastota, NY 13032

CC: Daniel Servetas

TestAmerica Laboratories Inc.

Candace L. Fox Project Manager

02/15/2008

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package,

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

METHOD 8260 - TCLP VOLATILES ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Laboratories Inc.</u> Contract:	BROOK-COMP	
dub Maile. 1050-3101100 100010001105 110. Concrace		~
Lab Code: <u>RECNY</u> Case No.: SAS No.:	: SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A8090805	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: P4245.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 01/24/2008 01/25/2	008
Moisture: not dec. <u>100</u> Heated Purge: N	Date Analyzed: 01/29/2008	
SC Column: <u>ZB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 10.00	
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q	
71-43-2Benzene	10 U	
178-93-32-Butanone	50 1	
56-23-5Carbon Tetrachloride	50 U	
108-90-7Chlorobenzene	10 0	
67-66-3Chloroform	10	
107-06-21,2-Dichloroethane	10 17	
75-35-41,1-Dichloroethene	10 U	
1127-18-4Tetrachloroethene	1 10 111 1	
79-01-6Trichloroethene	10 U	
75-01-4Vinvi chloride	10 17	

METHOD 8260 - TCLP VOLATILES ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Laboratories Inc.</u> Contract:	FI.OR-COMP
Lab Code: RECNY Case No.: SAS No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>A8090803</u>
Sample wt/vol:5.00 (g/mL) ML	Lab File ID: P4243.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 01/24/2008 01/25/2008
% Moisture: not dec. <u>100</u> Heated Purge: N	Date Analyzed: <u>01/29/2008</u>
GC Column: <u>ZB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:10.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
56-23-5Carbon Tetrachloride 108-90-7Chlorobenzene 67-66-3Chloroform 107-06-21,2-Dichloroethane 75-35-41,1-Dichloroethene 127-18-4Tetrachloroethene 79-01-6Trichloroethene 79-01-6Trichloroethene 79-01-6Trichloroethene 79-01-6Trichloroethene 79-01-6Trichloroethene 79-01-6	50 U U 10 U U U 10 U U U U
175-01-4Vipyl chloride	1 10 111

METHOD 8260 - TCLP VOLATILES ANALYSIS DATA SHEET

	PEARL-COMP	
Lab Name: TestAmerica Laboratories Inc. Contract	t:	
Lab Code: RECNY Case No.: SAS No	SDG No.:	
Matrix: (soil/water) SOIL	Lab Sample ID: A8090801	
Sample wt/vol:5.00 (g/mL) ML	Lab File ID: P4241.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 01/24/2008 01/25/200	<u>8</u>
% Moisture: not dec. <u>100</u> Heated Purge: N	Date Analyzed: 01/29/2008	
GC Column: <u>ZB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:10.00	
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>UG/L</u> Q	
71-43-2Benzene	10 U	
78-93-32-Butanone	50 U	
56-23-5Carbon Tetrachloride	10 U	
108-90-7Chlorobenzene	10 0	
167-66-3(hlorotorm	10 [U	
107-06-21.2-Dichloroethane	10 11	
75-35-41,1-Dichloroethene	10 U	
1127-18-4Tetrachloroethene	1 10 117 1	
79-01-6Trichloroethene	10 U	
75-01-4Vinyl chloride	10 U	

METHOD 8260 - TCLP VOLATILES ANALYSIS DATA SHEET

	PROPERTY	
Inh Name Postamonian Inhonatonian The Contract	SUN-COMP	
Lab Name: <u>TestAmerica Laboratories Inc.</u> Contract	***************************************	
Lab Code: RECNY Case No.: SAS No.	: SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A8090804	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: P4244.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>01/24/2008</u> <u>01/25/2</u> 6	<u>008</u>
% Moisture: not dec. <u>100</u> Heated Purge: <u>N</u>	Date Analyzed: 01/29/2008	
GC Column: <u>ZB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 10.00	
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q	
71-43-2Benzene	10 U	
78-93-32-Butanone	50	
56-23-5Carbon Tetrachloride	10 0	
108-90-7Chlorobenzene	10 U	
16/~66-3Chiorolom	1 1.0 [0]	
107-06-21,2-Dichloroethane	10	
175-35-41,1-Dichloroethene	1 10 IU I	
127-18-4Tetrachloroethene	10 U	
	10 U	
7E 01 4 Vimal ablamida	3.0	

Lab Name: TestAmerica Laboratories Inc.	Contract: BROOK-C	XXMP
Lab Code: RECNY Case No.:	SAS No.:SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A8090805)
Sample wt/vol: $\underline{250.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID: X22032.R	<u>ir</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 01/24/20	08 01/25/2008
% Moisture: $\underline{100}$ decanted: (Y/N) \underline{N}	Date Extracted: 01/29/20	<u>08</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: 01/30/20	08
Injection Volume: 1.00 (uL)	Dilution Factor:1.00	
GPC Cleanup: (Y/N) N pH: 6.0		

CAS NO.	COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)	S: <u>MG/L</u>	Q
106-46-7 121-14-2 118-74-1 87-68-3 67-72-1 108-39-4 95-48-7 106-44-5 98-95-3 87-86-5	1,4-Dichlorobenzene2,4-DinitrotolueneHexachlorobenzeneHexachlorobutadieneHexachloroethane3-Methylphenol2-Methylphenol4-MethylphenolPentachlorophenol	(ug/L or ug/Kg)	MG/L 0.040 0.020 0.020 0.020 0.020 0.040 0.020 0.020 0.020 0.020	Q ט ט ט ט ט ט ט ט ט ט ט ט ט
95-95-4	Pyridine 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol		0.10 0.020 0.020	n n n

Lab Name: <u>Test</u> America Laboratories Inc.	Contract:	FLOR-COMP
Lab Code: RECNY Case No.:	SAS No.: SDG No.: _	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A8090803
Sample wt/vol: <u>250.00</u> (g/mL) <u>ML</u>	Lab File ID:	X22030.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	01/24/2008 01/25/2008
% Moisture: <u>100</u> decanted: (Y/N) N	Date Extracted:	01/29/2008
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	01/30/2008
Injection Volume: 1.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 6.0		
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	

CAS NO. COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)	rs: <u>mg/l</u>	Q
106-46-71,4-Dichlorobenzene		0.040	Τυ
121-14-22,4-Dinitrotoluene		0.020	lυ
118-74-1Hexachlorobenzene		0.020	U
87-68-3Hexachlorobutadiene		0.020	lυ
67-72-1Hexachloroethane		0.020	U
108-39-43-Methylphenol		0.040	υ
95-48-72-Methylphenol		0.020	U
106-44-54-Methylphenol		0.020	U
98-95-3Nitrobenzene		0.020	ט
87-86-5Pentachlorophenol		0.040	U
110-86-1Pyridine		0.10	U
95-95-42,4,5-Trichlorophenol		0.020	Ū
88-06-22,4,6-Trichlorophenol		0.020	Ū

Lab Name: <u>TestAmerica Laboratories</u> Inc.	Contract:	PEARL-COMP
	SAS No.: SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	<u>A8090801</u>
Sample wt/vol: 250.00 (g/mL) ML	Lab File ID:	X22028.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	01/24/2008 01/25/2008
% Moisture: 100 decanted: (Y/N) $\underline{N}$	Date Extracted:	01/29/2008
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	01/30/2008
Injection Volume: 1.00(uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.0		

CAS NO.	COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)	TS: MG/L	Q
106-46-7	1,4-Dichlorobenzene		0.040	T _U
	2,4-Dinitrotoluene		0.020	Ū
	Hexachlorobenzene		0.020	Ū
	Hexachlorobutadiene		0.020	υ
	Hexachloroethane		0.020	U
108-39-4	3-Methylphenol		0.040	Ū
95-48-7	2-Methylphenol_		0.020	lυ
	4-Methylphenol		0.0016	J
	Nitrobenzene		0.020	บ
	Pentachlorophenol		0.040	Ū
110-86-1	Pyridine		0.10	U
95-95 <b>-4-</b>	2,4,5-Trichlorophenol		0.020	U
88-06-2	2,4,6-Trichlorophenol		0.020	Ū
				1

Lab Name: <u>TestAmerica Laboratories</u> Inc.	Contract:	SUN-COMP
Lab Code: <u>RECNY</u> Case No.:	SAS No.: SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	
Sample wt/vol: 250.00 (g/mL) ML	Lab File ID:	X22031.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	01/24/2008 01/25/2008
% Moisture: 100 decanted: (Y/N) N	Date Extracted:	01/29/2008
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	01/30/2008
Injection Volume: 1.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 6.0		

CAS NO.	COMPOUND	(ug/L or ug/Kg)	MG/L	Q
106-46-7	1,4-Dichlorobenzene		0.040	U
	2,4-Dinitrotoluene		0.020	U
118-74-1	Hexachlorobenzene		0.020	U
87-68-3	Hexachlorobutadiene		0.020	lυ
67-72-1	Hexachloroethane		0.020	U
108-39-4	3-Methylphenol		0.040	U
	2-Methylphenol		0.020	lυ
106-44-5	4-Methylphenol		0.020	U
	Nitrobenzene		0.020	Ü
87-86-5	Pentachlorophenol		0.040	U
110-86-1	Pyridine		0.10	Ū
95-95-4	2,4,5-Trichlorophenol		0.020	Ü
	2,4,6-Trichlorophenol		0.020	lΰ
l				1

Lab Name: TestAmerica Laboratories Contract	BROOK-COMP
ab Code: RECNY Case No.: SAS No.: _	SDG No.:
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>A8090805</u>
Jample wt/vol: <u>250.00</u> (g/mL) <u>ML</u>	Lab File ID: <u>6A03198.TX0</u>
: Moisture: 100 decanted: (Y/N) N	Date Samp/Recv: 01/24/2008 01/25/2008
Extraction: (SepF/Cont/Sonc/Soxh): SEPF	Date Extracted: 01/29/2008
Concentrated Extract Volume: 10000 (uL)	Date Analyzed: 01/30/2008
Injection Volume: 1.00(uL)	Dilution Factor: 1.00
#PC Cleanup: (Y/N) N pH: 6.00	Sulfur Cleanup: (Y/N) N
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>MG/L</u> Q
58-89-9gamma-BHC (Lindane) 57-74-9Chlordane 72-20-8Endrin 76-44-8Heptachlor 1024-57-3Heptachlor epoxide 72-43-5Methoxychlor 8001-35-2Toxaphene	0.0020 U 0.00020 U 0.00020 U 0.00020 U

	FLOR-COMP
SDG No.:	
Lab Sample ID:	<u>A8090803</u>
Lab File ID:	6A03196.TX0
Date Samp/Recv:	01/24/2008 01/25/2008
Date Extracted:	01/29/2008
Date Analyzed:	01/30/2008
Dilution Factor:	1.00
Sulfur Cleanup:	(A/N) <u>N</u>
ITON UNITS: ug/Kg) <u>MG/L</u>	Q
0.002 0.000 0.000 0.000 0.000	20 U 20 U 20 U
	SDG No.: Lab Sample ID: Lab File ID: Date Samp/Recv: Date Extracted: Date Analyzed: Dilution Factor: Sulfur Cleanup: TION UNITS: ug/Kg) MG/L  0.0002 0.0002 0.0002 0.0002

Lab Name: <u>TestAmerica Laboratories</u> Contract:	MANAGEM AND	PEARL-COMP
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A8090801
Sample wt/vol: <u>250.00</u> (g/mL) ML	Lab File ID:	6A03194.TX0
% Moisture: 100 decanted: (Y/N) N	Date Samp/Recv:	01/24/2008 01/25/2008
Extraction: (SepF/Cont/Sonc/Soxh): <u>SEPF</u>	Date Extracted:	01/29/2008
Concentrated Extract Volume: 10000 (uL)	Date Analyzed:	01/30/2008
Injection Volume:1.00(uL)	Dilution Factor:	1.00
SPC Cleanup: (Y/N) N pH: 7.00	Sulfur Cleanup:	(Y/N) <u>N</u>
	rion units: ug/kg) <u>MG/L</u>	Q
58-89-9garma-BHC (Lindane) 57-74-9Chlordane 72-20-8Endrin 76-44-8Heptachlor 1024-57-3Heptachlor epoxide 72-43-5Methoxychlor 8001-35-2Toxaphene	0.0020	0 U 20 U 20 U 20 U

Lab Name: TestAmerica Laboratories Contract:		SUN-COMP
Lab Code: RECNY Case No.: SAS No.: SDG	; No.:	
Matrix: (soil/water) SOIL	ab Sample ID:	A8090804
Jample wt/vol: $\underline{250.00}$ (g/mL) $\underline{\text{ML}}$ La	b File ID:	6A03197.TX0
$rac{1}{2}$ Moisture: 100 decanted: (Y/N) N Da	ite Samp/Recv:	01/24/2008 01/25/2008
Extraction: (SepF/Cont/Sonc/Soxh): SEPF Da	te Extracted:	01/29/2008
loncentrated Extract Volume: 10000 (uL)	te Analyzed:	01/30/2008
Injection Volume: 1.00 (uL)	lution Factor:	1.00
#PC Cleanup: (Y/N) N pH: 6.00	lfur Cleanup:	(Y/N) <u>N</u>
CAS NO. COMPOUND CONCENTRATION (ug/L or ug/l	UNITS: Kg) <u>MG/L</u>	Q
58-89-9gamma-BHC (Lindane) 57-74-9Chlordane 72-20-8Endrin 76-44-8Heptachlor 1024-57-3Heptachlor epoxide 72-43-5Methoxychlor 8001-35-2Toxaphene	0.0020 0.0002 0.0002	0 U 0 U 0 U 0 U 0 U 0 U 0 U 0 U 0 U 0 U

#### 36/1102

#### METHOD 8082 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

	BROOK-COMP
No.:	
b Sample ID:	A8090805
b File ID:	12A16099.TX0
te Samp/Recv:	01/24/2008 01/25/2008
te Extracted:	01/29/2008
te Analyzed:	01/30/2008
lution Factor:	1.00
lfur Cleanup:	(Y/N) <u>Y</u>
UNITS: Kg) <u>UG/KG</u>	Q
18 18 18 18 18 18 18 270	U U U U U
	b Sample ID: b File ID: te Samp/Recv: te Extracted: te Analyzed: lution Factor: lfur Cleanup: UNITS: Kg) UG/KG  18 18 18 18 18 18

#### METHOD 8082 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Laboratories</u> Contract:		FLOR-COMP
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A8090803
Sample wt/vol: 30.11 (g/mL) G	Lab File ID:	12A16097.TX0
% Moisture: <u>16</u> decanted: (Y/N) N	Date Samp/Recv:	01/24/2008 01/25/2008
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted:	01/29/2008
Concentrated Extract Volume: 10000 (uL)	Date Analyzed:	01/30/2008
Injection Volume: 1.00 (uL)	Dilution Factor:	5.00
GPC Cleanup: (Y/N) N pH:_	Sulfur Cleanup:	(Y/N) <u>Y</u>
	ENIRATION UNITS: /L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	99 99 99 99 99 99 99	บ บ บ บ บ บ
		1 1

#### METHOD 8082 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Laboratories</u> Contract		EARL-COMP
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A	3090801
Sample wt/vol: $30.50$ (g/mL) $G$	Lab File ID: 12	2A16095,TX0
% Moisture: 39 decanted: (Y/N) N	Date Samp/Recv: 01	L/24/2008 01/25/2008
Extraction: (SepF/Cont/Sonc/Soxh): <u>SONC</u>	Date Extracted: 01	<u>1/29/2008</u>
Concentrated Extract Volume: 10000 (uL)	Date Analyzed: 01	<u>1/30/2008</u>
Injection Volume: 1.00 (uL)	Dilution Factor:	50.00
GPC Cleanup: (Y/N) N pH: _	Sulfur Cleanup: ()	//N) <u>Y</u>
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	1300 1300 1300 1300 1300	บ บ บ บ บ บ
		1

#### METHOD 8082 - POLYCHLORINATED BIPHENYLS ANALYSIS DATA SHRET

Lab Name: <u>TestAmerica Laboratories</u> Contrac	t:	Р
Lab Code: <u>RECNY</u> Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A809080	4
Sample wt/vol: $30.39$ (g/mL) G	Lab File ID: 12A1609	8.TX0
% Moisture: 19 decanted: (Y/N) N	Date Samp/Recv: 01/24/2	008 <u>01/25/2008</u>
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted: 01/29/20	
Concentrated Extract Volume: 10000 (uL)	Date Analyzed: 01/30/20	008
Injection Volume: 1.00 (uL)	Dilution Factor: 2.00	<u>0</u>
GPC Cleanup: (Y/N) N pH:_	Sulfur Cleanup: (Y/N) <u>Y</u>	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q	
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	41 U U 780	

Lab Name: <u>TestAmerica Laboratories</u> Contrac	BROOK-COMP
Lab Code: <u>RECNY</u> Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A8090805
Sample wt/vol: <u>250.00</u> (g/mL) <u>ML</u>	Lab File ID: <u>13B65162.TX0</u>
% Moisture: 100 decanted: (Y/N) N	Date Samp/Recv: 01/24/2008 01/25/2008
Extraction: (SepF/Cont/Sonc/Soxh): SEPF	Date Extracted: 01/29/2008
Concentrated Extract Volume: _10000(uL)	Date Analyzed: 01/30/2008
Injection Volume: 1.00(uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: 6.00	Sulfur Cleanup: (Y/N) N
CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg) MG/L Q
94-75-72,4-D 93-72-12,4,5-TP (Silvex)	0.0020 U 0.0020 U

Lab Name: <u>TestAmerica Laboratories</u> Contract:	FLOR-COMP
Lab Code: RECNY Case No.: SAS No.: _	SDG No.:
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A8090803
Sample wt/vol:250.00 (g/mL) ML	Lab File ID: <u>13B65160.TX0</u>
% Moisture: 100 decanted: (Y/N) $\underline{N}$	Date Samp/Recv: 01/24/2008 01/25/2008
Extraction: (SepF/Cont/Sonc/Soxh): SEPF	Date Extracted: <u>01/29/2008</u>
Concentrated Extract Volume: 10000 (uL)	Date Analyzed: 01/30/2008
Injection Volume: 1.00 (uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: 6.00	Sulfur Cleanup: $(Y/N)$ N
	ONCENIRATION UNITS: (ug/L or ug/Kg) MG/L Q
94-75-72,4-D 93-72-12,4,5-TP (Silvex)	0.0020 U 0.0020 U

Lab Name: TestAmerica Laboratories Contract:		PEARL-COMP
Contract.		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	<u>A8090801</u>
Sample wt/vol: 250.00 (g/mL) ML	Lab File ID:	13B65157,TX0
% Moisture: 100 decanted: (Y/N) N	Date Samp/Recv:	01/24/2008 01/25/2008
Extraction: (SepF/Cont/Sonc/Soxh): SEPF	Date Extracted:	01/29/2008
Concentrated Extract Volume: _10000(uL)	Date Analyzed:	01/30/2008
Injection Volume: 1.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 6.00	Sulfur Cleanup:	(Y/N) <u>N</u>
· · ·	rion units: ug/Kg) <u>MG/L</u>	Q
94-75-72,4-D 93-72-12,4,5-TP (Silvex)	0.0020	1

Lab Name: <u>TestAmerica Laboratories</u> Contract	r.,	SUN-COMP
Lab Code: RECNY Case No.: SAS No.:		
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A8090804
Sample wt/vol: <u>250.00</u> (g/mL) <u>ML</u>	Lab File ID:	13B65161.TX0
% Moisture: 100 decanted: (Y/N) N	Date Samp/Recv:	01/24/2008 01/25/2008
Extraction: (SepF/Cont/Sonc/Soxh): SEPF	Date Extracted:	01/29/2008
Concentrated Extract Volume: 10000 (uL)	Date Analyzed:	01/30/2008
Injection Volume:1.00(uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 6.00	Sulfur Cleanup:	(Y/N) <u>N</u>
CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg) <u>MG/L</u>	Q
94-75-72,4-D 93-72-12,4,5-TP (Silvex)	0.0020 0.0020	L F

#### - 1 -INORGANIC ANALYSIS DATA PACKAGE

Client:

Shaw E & I

SDG No.:

A08-0908

Method Type:

Sample ID: A8090805

Client ID: BROOK-COMP

Matrix:

WATER

Date Received:

1/25/2008

Date Collected:

1/24/2008

Level:

LOW

% Solids:

Sample Wt/Vol:

50.0

Final Vol:

50.0

Prep Batch ID:

A8B09517

Prep Date:

1/29/2008

									Analy	rtical			
Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Date	Time	Instrument	Run	M
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	1/30/2008	10:47	SUPERTRACE2	A01290x	P
Barium		. 2840	ug/L			2.0	2.0	1	1/30/2008	10:47	SUPERTRACE2	A01290x	P
Cadmium		75.9	ug/L			1.0	1.0	1	1/30/2008	10:47	SUPERTRACE2	A01290x	P
Chromium	<	4.0	ug/IL	U		4.0	4.0	1	1/30/2008	10:47	SUPERTRACE2	A01290x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	1/30/2008	10:47	SUPERTRACE2	A01290x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	1/30/2008	10:47	SUPERTRACE2	A01290x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	Ŧ	1/29/2008	13:53:55	LEEMAN PS2	G01298TC	CV
Silver	<	3.0	ug/L	IJ		3.0	3.0	I	1/30/2008	10:47	SUPERTRACE2	A01290x	P

#### -1-INORGANIC ANALYSIS DATA PACKAGE

Client:

Shaw E & I

SDG No.:

A08-0908

Method Type:

Sample ID: A8090803

Client ID: FLOR-COMP

Matrix: WATER

Date Received:

1/25/2008

Date Collected:

1/24/2008

Level:

LOW

ç

% Solids:

Sample Wt/Vol:

50.0

Final Vol:

50.0

Prep Batch ID:

A8B09517

Prep Date:

1/29/2008

								Analy	/tical			
Analyte		Concentration	Units	C Qual	RL	$\mathbf{RL}$	Dil	Date	Time	Instrument	Run	M
Arsenic	<	10.0	ug/L	U	10.0	10.0	1	1/30/2008	10:14	SUPERTRACE2	A01290x	p
Barium		2110	ug/L		2.0	2.0	1	1/30/2008	10:14	SUPERTRACE2	A01290x	₽
Cadmium		82.1	ug/L		1.0	1.0	1	1/30/2008	10:14	SUPERTRACE2	A01290x	P
Chromium	<	4.0	ug/L	U	4.0	4.0	1	1/30/2008	10:14	SUPERTRACE2	A01290x	₽
Lead	<	5.0	ug/L	U	5.0	5.0	1	1/30/2008	10:14	SUPERTRACE2	A01290x	P
Selenium	<	15.0	ug/L	U	15.0	15.0	1	1/30/2008	10:14	SUPERTRACE2	A01290x	P
Mercury	<	0.200	ug/L	U	0.200	0.200	1	1/29/2008	13:46:44	LEEMAN PS2	G01298TC	CV
Silver	<	3.0	ug/L	U	3.0	3.0	1	1/30/2008	10:14	SUPERTRACE2	A01290x	P

#### -1-INORGANIC ANALYSIS DATA PACKAGE

Client:

Shaw E & I

SDG No.:

A08-0908

Method Type:

Sample ID: A8090801

Client ID: PEARL-COMP

Matrix:

WATER

Date Received:

1/25/2008

Date Collected:

1/24/2008

Level:

LOW

% Solids:

Sample Wt/Vol:

50.0

Final Vol:

50.0

Prep Batch ID:

A8B09576

Prep Date:

1/30/2008

									Analy	/tical			
Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Date	Time	Instrument	Run	M
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	1/30/2008	21:02	SUPERTRACE	101300W	P
Barium		1600	ug/L			2.0	2.0	1	1/30/2008	21:02	SUPERTRACE	101300W	P
Cadmium		57.3	ug/L			1.0	1.0	1	1/30/2008	21:02	SUPERTRACE	101300W	P
Chromium		11.4	ug/L			4.0	4.0	1	1/30/2008	21:02	SUPERTRACE	101300W	P
Lead		58.8	ug/L			5.0	5.0	1	1/30/2008	21:02	SUPERTRACE	10 <b>1</b> 300W	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	1/30/2008	21:02	SUPERTRACE	101300W	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	2/1/2008	17:02:20	LEEMAN PS2	H02018TC	C√
Silver	<	3.0	ug/L	U		3.0	3.0	1	1/30/2008	21:02	SUPERTRACE	101300W	P

#### -1 -INORGANIC ANALYSIS DATA PACKAGE

Client:

Shaw E & I

SDG No.:

A08-0908

Method Type:

Sample ID: A8090804

Client ID: SUN-COMP

Matrix:

WATER

Date Received:

1/25/2008

Date Collected:

1/24/2008

Level:

LOW

% Solids:

Sample Wt/Vol:

50.0

Final Vol:

50.0

LOW

Prep Batch ID:

A8B09517

Prep Date:

1/29/2008

									Analy	rtical			
Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Date	Time	Instrument	Run	M
Arsenic	<	10.0	ug/L	U		10.0	10.0	1	1/30/2008	10:20	SUPERTRACE2	A01290x	P
Barium		2160	ug/L			2.0	2.0	1	1/30/2008	10:20	SUPERTRACE2	A01290x	P
Cadmium		21.1	ug/L			1.0	1.0	1	1/30/2008	10:20	SUPERTRACE2	A01290x	P
Chromium	<	4.0	ug/L	U		4.0	4.0	1	1/30/2008	10:20	SUPERTRACE2	A01290x	P
Lead	<	5.0	ug/L	U		5.0	5.0	1	1/30/2008	10:20	SUPERTRACE2	A01290x	P
Selenium	<	15.0	ug/L	U		15.0	15.0	1	1/30/2008	10:20	SUPERTRACE2	A01290x	P
Mercury	<	0.200	ug/L	U		0.200	0.200	1	1/29/2008	13:48:19	LEEMAN PS2	G01298TC	CV
Silver	<	3.0	ug/L	υ		3.0	3.0	1	1/30/2008	10:20	SUPERTRACE2	A01290x	P

51/1102

Client Sample No.

Lab Name: <u>TestAmeri</u>	ca Laboratories Inc.	Contract:	BROOK-COMP
Lab Code: <u>RECNY</u>	Case No.:	SAS No.:	SDG No.:
Matrix (soil/water)	: SOIL	Lab Sample ID:	A8090805
% Solids:	0.0	Date Samp/Recv:	01/24/2008 01/25/2008

Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Corrosivity (pH)	S.U.	7.74				9045	01/28/2008
Flashpoint	°F	>176				1010	01/30/2008
H2S Released From Waste	MG/KG	10	ט			SECI7.3	01/29/2008
HCN Released From Waste	MG/KG	10	U			SECI7.3	01/29/2008

Com	ments:
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-	

#### 52/1102

Client Sample No.

Lab Name: <u>TestAmerica Laboratories Inc</u>	. Contract	Contract:					FLOR-COMP			
Lab Code: RECNY Case No.:	SAS No.: SDG No.:									
Matrix (soil/water): <u>SOIL</u>		Lab Samp	ple	ID:	<u>A8</u>	090803				
% Solids: <u>0.0</u>		Date Sar	np/	Recv:	<u>01</u>	/24/2008 01	_/25/2008			
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date			
Corrosivity (pH) Flashpoint H2S Released From Waste HCN Released From Waste	S.U. °F MG/KG MG/KG	7.50 >176 10 10	U			9045 1010 SECT7.3 SECT7.3	01/28/2008 01/30/2008 01/29/2008 01/29/2008			

Con	mments:

53/1102

Client Sample No.

Date Samp/Recv: 01/24/2008 01/25/2008

Tah Name:	TestAmerica i	Laboratories Inc.	Contract:	PEARL-COMP
Lab Code:		Case No.:	SAS No.:	SDG No.:
Matrix (s	oil/water): S	OIL	Tab Sample TD:	A8090801

% Solids:

61.3

Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Corrosivity (pH)	S.U.	7.28				9045	01/29/2008
Flashpoint	٥F	>176				1010	01/29/2008
H2S Released From Waste	MG/KG	10	U			SECI7.3	01/29/2008
HCN Released From Waste	MG/KG	10	U			SECT7.3	01/29/2008

HCN Released From Waste	MG/KG	10 0	SECT7.3 01/29/	200
Comments:				***************************************

54/1102

Client Sample No.

Lab Name: TestAmerica Laboratories Inc.	Contract:	SUN-COMP
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:
Matrix (soil/water): SOIL	Lab Sample ID:	A8090804
% Solids: 0.0	Date Samo/Recv:	01/24/2008 01/25/2008

Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Corrosivity (pH) Flashpoint H2S Released From Waste HCN Released From Waste	S.U. °F MG/KG MG/KG	7.59 >176 10 10	ט			9045 1010 SECT7.3 SECT7.3	01/28/2008 01/30/2008 01/29/2008 01/29/2008

Car	mments:				
		 	***************************************	 	 
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Chain Of Custody Documentation

stAmerica

Custody Record						THE LE	THE LEADER IN ENVIRONMENTAL TESTING	ENVIR	NEW	TAL TE	PING			-	
Client 5 + 4 2 = 7	Project	Manager (2	1	1 37					Oate	)ate 0 1- 2 if -0 &	.c. 8.		Chain of Custody Number	v Number	
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1 7		Site Contact	F)	Lab Contact	,			¥ E	nalysis ore spa	Analysis (Attach list if more space is needed)	list if eded)		1		- Industry
1 .		Carrier/Waybill Number			1		094g	769		150 DS	<b>C!57</b>	J.	S.	al Instructions	
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Sample I.D. No. and Description Containers for each sample may be combined on one line)	Date Time	tion the succession of the suc	.səxduU	POSZH	HOPN	HOBN	1 27	771	71	Ν2 37	र्ग्ड इस	17.1	Ans	Ge Com	•
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9 Required	4	7	Cie.	OC Red	OC Requirements (Specify)	ķ	city)	6	Ĭ	Monms	nger mar	noun t	11	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
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Henguished By Michaeld M. Evans	Date 01 - 2	Dare 71me	2	f. Received By	ved By	(g)	1/8/	7 5	1	16	247	_	Date 01-24-08	r   Time	(
Reinaugaged By	Date Of- 3	Oate Time	18:30	2. Received By	Sed By	TAL SURTHE	1		13.	3			1/21/0	,   Time	
. Relinquished By	Date	Time		3. Received By									Ostro /	Time	
omments		····		-										-	

116 Syl

402-09

04/1102

103/1102

N. 691

TRIBUTION: WHITE . Returned to Client with Report: CANARY . Stays with the Sample; PINK - Field Cop.

200. 20h

# Chain of Custody Record

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

Signation parding 2 chart approval. Do wot amalyze Auslyzz Comp 060 Special Instructions/ Conditions of Receipt balance of Simples (A fee may be assessed if samples are retained longer than 1 month) Chain of Custody Number 387521 1/25/08 Page ____ Boothell ŧ BUFFE V200 X . 7 Analysis (Attach list if more space is needed) 1. Received By R. English, TAL SYR ` λ ` Lab Number 7 > , × 5 Months × 3 Date ¥ × 146 <u>`</u> `\ METH ^ ۲. 4. 7 Ĺ ž ٠ 'n Archive For ~ 4.22x 58170 > ¥ OC Requirements (Specify) YANZ HORN Disposal By Lab Containers & Preservatives 2. Received By но€и P. Fich ЮH elephone Number (Area Code)/Fax Number EONH Lab Contact ¢OS2H 4 4 ·Ć • ₹ 18:30 M Unknown | | Return To Client 1/24/2000 16:10 121 Days Browner SDAM Sample Disposal pos Matrix Carrier/Waybill Number Date Project Manager ŖΨ 15,20 13.20 15:12 6.5 (5,5) V. V. £ 55 4.5. -24-01 14.30 Time Latham Project Name State) NY 1210
Project Name Find Location (State) Stade (21/22/4 12/4) The Contract Purchase Order/Ouche No. 21.24.03 40.42.12 12 year - 24 w Ja- 12-10 14. 24 W. 20-42-12 C1-64-55 27.62 - 10 21. Zy W. 31.24 W Poison B Date 12110 13 April Carl Eatist Blud. State Six Code ☐ 14 Days (Containers for each sample may be combined on one line) Skin Irritant SHAW E'T Sample I.D. No. and Description ☐ 7 Days Repursined By My Evans Non-Hazard | Flammable LUN-COMP. ☐ 48 Hours COM Sizet D Turn Around Time Required SCXW-14 Biver-B ノーマンへ -/0/-3. Relinquished By Cun-TAL-4142 (0907) -101-15 C.2.K -/W/); 1/1/-24 Hours 101 Address

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DISTRIBUTION: WHITE Returned to Client with Report. CANARY - Stays with the Sample. PINK - Field Copy

# Chain of Custody Record $\ket{eta_2}, orall 7$

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

Man 143 c. client ApprovAl. SAM ples Douding Special Instructions/ Conditions of Receipt 7.me 0%00 01:01 balance or (A fee may be assessed if samples are retained longer than 1 month) Chain of Custody Number 387519 Donol 20-24-08 12/ Page. Date 70175175 10-172-10 × > × × > `Χ Υ( ٤, × × Analysis (Attach list if more space is needed) ¥ ħ X Lab Number × SUL > • × ¥ ኦ × Months Date ĸ y × × ス 7 ኊ ۶. × ን 2. Apoglived By Cong 1.14, The South ۵, * * ٦, × × 1013W ₹. ٦, ٨. × × 'n ر ا انه 4 Archive For × ĸ 7508 587V Х ર OC Requirements (Specify) \2An∑ HQ_BN Containers & Preservatives Oisposal By Lab HOPN Received By 10H May Jerwyk C EONH Lab Contact 2/1. 783- 1886 +S2O¢ 4 × Ų × do × × Poison B IN Unknown | Return To Client 01-24-08 18:30 Date Time Date S. DAY 01-24-2006 16:10 Date Sample Disposal pos Carrier/Waybill Number Matrix K pag ¥ Υ, × Project Manage Site Contact m 77.60 17.30 (3:7) 1, 9 41 27.73 Time 17.43 6: 24-418 11:53 16,30 21 Days 124210 3 Amexica Rifilm Blad Carriery Zain 121/201 13-17-16 J. 67.1 30-67-72 1-34-68 30-111-63 10. KY - Ct 50-17.1 -24 % Date 01/21 ☐ 14 Days (Containers for each sample may be combined on one line) Skin Irritant Sample I.D. No. and Description 7 Days SHAW E'T 1 Relinquished By

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C + 1/2 h COMO C Flammable LATH Ann Project Name and Location (State) Contract/Purchase Order/Quote No. Ď (10.11 48 Hours Possible Hazard Identification Non-Hazard J Flan
Tum Around Time Required M ** ١ ı 106201 3. Relinquished By TAL-4142 (0907) Client 26. A. 1. K. 13. 1200 100 707 24 Hours 800 Comments

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