NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
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www.dec.ny.gov

November 30, 2015

Mr. Richard Walka
Dvirka & Bartilucci Consulting Engineers
330 Crossways Park Drive
Woodbury, NY 11797-2015

RE: WA Approval Letter
Contract/WA No.: D007620-24
Site Name: Katzman Recycling
Site No.: 558035
Work Element: Remedial Investigation/Feasibility Study

Dear Mr. Walka:

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) hereby approves the enclosed Scope of Work (Schedule 1) and related Budget (Schedule 2.11s) for the above referenced work assignment (WA) for a total not to exceed amount of $455,524.

Your firm may now submit a request for reimbursement for work completed to date under this WA, in accordance with the contract requirements.

If you have any questions regarding the WA, please contact the Project Manager, Mike McLean, by phone at (518) 897-1254 or by email at mike.mclean@dec.ny.gov.

Sincerely,

David J. Finlayson
Chief
Contracts and Payments Section
Bureau of Program Management
Division of Environmental Remediation

Enclosure

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November 4, 2015

VIA ELECTRONIC MAIL

Ms. Lisa Lewis, Contract Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management
Contracts and Payment Section
625 Broadway, 12th Floor
Albany, New York 12233-7016

Re: Standby Engineering Contract
Work Assignment (WA) No. D007620-24
Katzman Recycling – Site No. 558035
TRC Project No. 240658.0000.0000

Dear Ms. Lewis:

Enclosed please find a proposed scope of work, cost estimate, work assignment package checklist, M/WBE utilization plan, and subcontractor documentation for the above-referenced work assignment for your review and consideration. In accordance with the work assignment issuance/notice to proceed letter dated July 7, 2015 and subsequent communications with representatives of the Department, the proposed scope of work consists of the following tasks:

- Task 1 - Preliminary Activities
- Task 2 – Remedial Investigation (RI) Field Activities
- Task 3 – RI Report
- Task 4 – Feasibility Study

As a result of the July 30, 2015 site inspection and subsequent communications with the Department, several items have been added and removed from the scope of the project. This change in scope resulted in a WA budget $11,576 less than the costing template amount of $467,100. A summary of significant changes to the scope of work is presented below.

1. Slug testing may be performed in six monitoring wells across the Site to determine the approximate hydraulic conductivity of the site geology.

2. Wipe sampling of large metal debris may be performed to determine if polychlorinated biphenyls (PCBs) are present on the debris. Analysis of the wipe samples would be completed by a NYSDEC-contracted Standby Laboratory.

3. Investigation derived waste disposal will be performed by a NYSDEC-contracted Standby contractor.

4. Laboratory services for the project will be provided by a NYSDEC-contracted Standby Laboratory.

Due to the complexity of the Site a phased approach is necessary to implement the RI. Prior to implementing each task, the results of the prior task will be evaluated and discussed with the Department to determine the appropriate next steps.

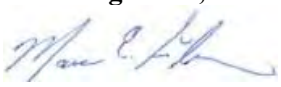
The scope of work presented in Schedule 1 provides a description of each proposed task. A proposed project schedule is also provided in Schedule 1. The work assignment checklist and the estimated costs to complete the work (i.e., Schedule 2.11s) are presented in Schedule 2. The M/WBE Utilization Plan is provided in Schedule 3.

The project schedule is based on TRC beginning Task 2 (Remedial Investigation Field Activities) in 2015 and completing the work assignment in 2016. Accordingly, a three percent escalation on labor rates has been included for a portion of the proposed hours.

As shown in the Schedule 2.11s, the proposed budget for the work assignment is $455,524. The anticipated completion date for the project is December 2016.

If you have any questions or comments, please do not hesitate to contact me via e-mail at meflanagan@trcsolutions.com, in the office at (518) 688-3154 or on my mobile phone at (518) 894-1182.

Sincerely,
TRC Engineers, Inc.



Marc E. Flanagan
Project Manager

CC: M. McLean (DEC)
K. Duval (DEC)
J. LaRock (TRC)
D. Glass (TRC)
M. Wright (D&B)

SCHEDULE 1
SCOPE OF WORK
KATZMAN RECYCLING
WA No. D007620-24
REMEDIAL INVESTIGATION/FEASIBILITY STUDY

SCHEDULE 1 – SCOPE OF WORK
KATZMAN RECYCLING
WA No. D007620-24
REMEDIAL INVESTIGATION/FEASIBILITY STUDY

Task 1 – Preliminary Activities

File Review (Completed)

TRC Engineers, Inc. (TRC) will review available project documents provided by the New York State Department of Environmental Conservation (Department) under this task. The intent is to obtain an understanding of the previously completed work at the Site to assist with developing comprehensive Remedial Investigation (RI) recommendations. TRC will prepare a detailed approach for the RI that will serve as the basis for the Scope of Work (Schedule 1).

Site Meeting/Inspection (Completed)

The site investigation area includes approximately 20 acres (refer to attached figure). TRC will meet with the Department Project Manager to discuss previous environmental investigation results and the approach to executing the RI. TRC will also conduct a site inspection under this task to examine the physical features, topography and access associated with the Site Investigation Area.

Review Historical Records (Completed)

TRC reviewed available historical aerial photographs that included the Site. Aerial photographs from 1942, 1979, 1986, 1992, 1994, 2006, 2008, 2009, 2011, and 2012 were reviewed. The Site appears undeveloped in the 1942 photograph. In the remaining photographs the Site appears developed and active as a recycling or similar facility. The footprint of the Site appears to be similar in all of the photographs from 1979 through 2012. The wetland/pond located south of the developed facility appears to decrease in size over time, indicating possible filling. There were no other notable features observed in the photographs.

Sanborn Fire Insurance Maps were not available for the Site. The Site is not listed in available City Directories.

Preparation of Schedules 2.11s

TRC will prepare Schedule 2.11s consistent with the Department's requirements. As part of this task, TRC will coordinate with subcontractors to obtain cost estimates based on the scope of work. The Schedule 2.11s will be reviewed by the Contract Manager (Maria Wright of Dvirka and Bartilucci Consulting Engineers (D&B)) prior to submission to the Contracts and Payment Section.

Task 2 – Remedial Investigation Field Activities

Due to the complexity of the Site a phased approach is necessary to implement the RI Field activities. Prior to implementing each task, the results of the prior task will be evaluated and discussed with the Department to determine the appropriate next steps. The nature and extent of impacts at this Site may be such that a limited number of media samples demonstrates that a particular area can be defined as an individual Operable Unit and managed as such (e.g., landfill).

Mobilization

TRC will prepare for the RI and coordinate field work with the NYSDEC-contracted Standby Laboratory, geophysical surveyor, direct push drilling and hollow-stem auger drilling/test pit excavation subcontractors, land surveyor, and the NYSDEC-contracted Standby investigation derived waste disposal subcontractor under this task. TRC will confirm that the drilling subcontractors have contacted the One Call Center (or the appropriate public utility locating service), received/reviewed confirmation receipts from each utility, and verified mark-outs prior to intrusive work. TRC will confirm that the selected subcontractors obtain permits and approvals required for performing the investigation (as applicable). TRC will also prepare the site-specific information form in Exhibit 11 of the generic health and safety plan (HASP).

Site Survey

The Site Survey will be completed in two mobilizations by the selected contractor. The Initial Site Survey will include determining the property boundaries for the Site and collecting topographic information to create a base map. The initial survey will include the locations of the on-site incinerator, locations of large debris and large debris piles, and the locations of the pole barn and fencing on-site. The Site Survey will also include the edges of defined wetlands, forested areas, surface water bodies and other significant physical and environmentally sensitive features within the limits of the site investigation area.

A second survey will be conducted following the completion of Site sampling activities. The survey will include the locations and elevations (ground surface, top of protective casing elevation and top of PVC well casing) of newly installed monitoring wells and direct-push borings, and coordinates of geophysical anomalies, exploratory test pits, surface soil samples, sediment samples and surface water samples.

A survey drawing, signed and sealed by a Professional Land Surveyor (PLS), will be provided in the RI Report and used in generating groundwater surface elevation contour figures for the site investigation area.

Fish and Wildlife Resources Impact Assessment (FWIA)

A FWRIA will be conducted in accordance with DER-10 and the NYSDEC Guidance Document "Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites". The scope of work for the Fish and Wildlife Impact Analysis ("FWIA") includes components associated with Step I of the FWIA process, including wetland and waterbody delineations, ecological cover-type classification and mapping, evaluation of habitat quality and determination of complete ecological pathways and receptors (in coordination with the NYSDEC) through the comparison of site soils, sediments, surface water and groundwater sampling results to ecological screening criteria. The results of this analysis will determine whether or not further evaluation is required for specific pathways and/or receptors in order to establish whether constituents of concern ("COCs") at the Site may affect fish and wildlife resources. If it is determined that further analysis is required based on the results of Step 1, and consultation with the NYSDEC, additional scope and costs can be provided to complete criteria-specific and toxic analyses (Step II of the FWIA Process), evaluate ecological effects of remedial alternatives (Step III), further delineate and determine fish and wildlife requirements for implementation of remedial actions (Step IV), and develop a monitoring program for the Site (Step V).

Community Air Monitoring Plan

TRC will implement a Community Air Monitoring Plan (CAMP) during ground intrusive activities in accordance with the generic NYSDOH guidance document. The CAMP will include real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each work area during intrusive work. The estimated cost for this task is based on performing the CAMP during advancement of soil borings, test pit excavations, surface clearing of debris and the installation of monitoring wells, but not during debris wipe sampling, sediment, surface water and surface soil sampling, and not during monitoring well development or sampling. The CAMP will be implemented by the scientist/engineer overseeing the investigation activities.

Exploratory Test Pit/Trench Program

Test pits/trenches will be excavated, using an appropriate size excavator, within and around the areas covered by ash and debris to determine the horizontal and vertical extent of the buried ash and debris. Additional test pits/trenches will be excavated outside of the footprints of the debris piles to evaluate the subsurface conditions and support development of a conceptual model for the Site. It is anticipated that approximately 20 test pits/trenches will be excavated across the Site. The depths and dimensions of excavations for test pit/trenches will be discussed with the Department prior to start and frequently during implementation of the program.

The location, depth and dimensions of each test pit/trench will be recorded along with the descriptions of the excavated material and soil characteristics. Limits of debris and ash, when

encountered, will be clearly marked in the field and included in the Site Survey. Excavated material will be screened with a photoionization detector (PID) and placed on plastic sheeting. At each location material excavated will be returned to the excavation using a "last out – first in" sequence.

Up to three (3) soil samples will be collected from each test pit/trench and submitted for analysis for Target Compound List (TCL) VOCs, TCL semivolatile organic compounds (SVOCs), Target Analyte List (TAL) metals, and polychlorinated biphenyls (PCBs). One sample from each test pit will also be submitted for analysis for pesticides and herbicides. Soil exhibiting evidence of potential contamination, such as staining or odors, and buried waste material will be selected for analysis as well as soil directly below the apparent vertical limits of contamination and waste. Samples will be placed into laboratory provided glassware, entered onto a chain of custody, packaged in coolers with ice and submitted to a NYSDEC-contracted Standby Laboratory. Quality control samples, including matrix spike and matrix spike duplicates, will be collected at a minimum frequency of one per twenty samples in accordance with the generic QAPP. The laboratory will provide Category B data deliverable packages and EDDs in EQuIS format, and the results will be presented in the RI Report.

In addition as part of this task, clearing will be performed as necessary to implement subsequent field activities.

Surface Soil Sampling

An initial round of surface soil samples will be collected from across the Site, with focus primarily on the low-lying areas adjacent to the incinerator and in areas where dumping of debris and ash has been reported and observed, as well as in the drainage pathways that lead to the adjacent wetlands. A phased approach for this task may be necessary and a sample grid may be appropriate for supplemental surface soil sampling based on the findings of the initial surface soil sampling completed. It is estimated that approximately seventy-five (75) surface soil samples will be collected across the Site.

Surface soil samples will be collected from 0 to 2 inches below the vegetative layer (if any) and placed into laboratory provided glassware, entered onto a chain of custody, packaged in coolers with ice and submitted to a NYSDEC-contracted Standby Laboratory. Surface soil samples will be analyzed for TCL VOCs, TCL SVOCs, TAL metals and PCBs. In addition, up to one quarter of the samples will be analyzed for herbicides and pesticides. Select samples biased to drainage pathways and wetland areas will additionally be analyzed for dioxin. Accelerated turn-around time for dioxin analysis will be requested to establish if analysis for this parameter of direct push soil samples is necessary. Quality control samples, including matrix spike and matrix spike duplicates, will be collected at a minimum frequency of one per twenty samples in accordance

with the generic QAPP. The laboratory will provide Category B data deliverable packages and EDDs in EQuIS format, and the results will be presented in the RI Report.

Surface Water and Sediment Sampling

Surface water and sediment samples will be collected from surface water bodies located along the southern and eastern portions of the Site. Sample locations will be selected in consultation with the Department. It is estimated that 10 co-located surface water and sediment samples will be collected.

Surface water and sediment samples will be submitted to a NYSDEC-contracted Standby Laboratory for analysis for TCL VOCs, TCL SVOCs, TAL metals, PCBs, pesticides, herbicides and dioxins. Both filtered and unfiltered surface water samples will be submitted for metals and PCBs analysis. Samples will be placed into laboratory provided glassware, entered onto a chain of custody, packaged in coolers with ice and submitted to the NYSDEC-contracted Standby Laboratory. Quality control samples, including matrix spike and matrix spike duplicates, will be collected at a minimum frequency of one per twenty samples in accordance with the generic QAPP. Trip blanks will be included in each cooler containing samples for VOC analysis shipped to the laboratory. The laboratory will provide Category B data deliverable packages and EDDs in EQuIS format, and the results will be presented in the RI Report.

Groundwater Monitoring Well Installation

An estimated nineteen (19) overburden groundwater monitoring wells will be installed across the Site at sixteen locations to be determined in consultation with the Department. Three locations will consist of nested wells to characterize both shallow and deep groundwater. The locations of the wells will be determined following review of the analytical results from the test pit program. Each boring for the single depth wells will be advanced using 4.25-inch inside diameter hollow stem augers. The three nested wells will be installed in boreholes drilled using 6.25-inch inside diameter hollow stem augers. Each of the monitoring well boreholes will be sampled continuously. Soil samples will be screened for VOCs using a PID and inspected for indications of contamination (e.g., staining, odors, etc.). Geologic descriptions of the soil and field screening results will be recorded.

Soil samples will be selected for laboratory analysis based on field observations and PID readings. If no apparent impacted soil is identified in a boring, the soil sample from the two-foot interval above the encountered confining layer will be selected for analysis or, in the absence of a confining layer, from the two-foot interval above the groundwater surface. If impacted soil is identified, one sample from the most impacted zone (based on field screening) will be selected, and a second sample from the first underlying apparent clean interval encountered will be selected for analysis.

Soil samples selected for analysis will be submitted to a NYSDEC-contracted Standby Laboratory for analysis of TCL VOCs, TCL SVOCs, TAL metals and PCBs. Samples will be placed into laboratory provided glassware, entered onto a chain of custody, packaged in coolers with ice and submitted to the NYSDEC-contracted Standby Laboratory. Quality control samples, including matrix spike and matrix spike duplicates, will be collected at a minimum frequency of one per twenty samples in accordance with the generic QAPP. The laboratory will provide Category B data deliverable packages and EDDs in EQuIS format, and the results will be presented in the RI Report.

Each monitoring well will be constructed using two-inch diameter PVC risers and ten (10) foot screen lengths. Approximately five feet of screen will be installed above the water table, where feasible; the exception being deeper "cluster" wells. Each well will be completed above grade with a protective casing set in a 2-foot by 2-foot concrete pad.

Well Development

At least 24 hours after installation, each newly installed monitoring well will be developed by surging and pumping techniques. Development will be considered complete when either turbidity is below 50 nephelometric turbidity units (NTUs), the well purges dry, or 10 well volumes have been removed, whichever occurs first.

Groundwater Sampling of Monitoring Wells

Two rounds of groundwater samples will be collected from the newly installed monitoring wells. The monitoring wells will be gauged for total well depth, depth to water, and if present, depth to non-aqueous phase liquid (NAPL). Depth to water measurements will be used to prepare groundwater surface elevation contour maps, to be provided in the RI report.

Groundwater samples collected will be submitted to a NYSDEC-contracted Standby Laboratory and analyzed for TCL VOCs, TCL SVOCs, filtered and unfiltered TAL metals, and filtered and unfiltered PCBs. In addition samples collected from up to 5 of the wells during the first sampling event will be analyzed for dioxins, if dioxin is identified as a site contaminant by prior RI sampling activities. Samples will be placed into laboratory provided glassware, entered onto a chain of custody, packaged in coolers with ice and submitted to the NYSDEC-contracted Standby Laboratory. Quality control samples, including matrix spike and matrix spike duplicates, will be collected at a minimum frequency of one per twenty samples in accordance with the generic QAPP. Trip blanks will be included in each cooler containing samples for VOC analysis shipped to the laboratory. The laboratory will provide Category B data deliverable packages and EDDs in EQuIS format, and the results will be presented in the RI Report.

Slug Testing

Slug testing will be performed, only if determined necessary by the Department, in up to six (6) monitoring wells across the Site to determine the approximate hydraulic conductivity of the surrounding geologic formation. Slug tests will only be initiated after each well has recovered from groundwater sampling (or after a minimum of 12 hours).

A pressure transducer will be installed in each selected monitoring well and static water level will be lowered or raised by the removal or insertion of a cylinder (slug) of a known volume. The return of the water level to a pre-test static level will be measured over time on the pressure transducer. Changes in water level over time will be plotted to determine hydraulic conductivity (K), which is a function of the formation permeability and the fluid in the formation. Slug test data will be presented in the RI Report.

Geophysical Survey

Results of the initial RI field activities completed at the Site will be reviewed with the Department to determine if a geophysical survey is necessary. If implemented, the geophysical survey will be performed using Ground Penetrating Radar (GPR) and a Multi-Frequency Electro-Magnetic Induction tool to determine if there are any buried tanks or other large metallic debris (i.e., drums, etc.) buried on-site. It is anticipated that the geophysical survey will be conducted in the vicinity of the incinerator as well as near the pole barn and the adjacent cleared areas. Each significant anomaly detected in the subsurface will be marked out on the ground surface by marking the limits with pin-flags. TRC will review the results of the geophysical survey in the field with the geophysical surveyor and also summarize the results in a brief email to the Department. The results of the geophysical survey will also be presented in the RI Report.

Direct Push Soil Borings

Results of the preceding RI field activities completed at the Site will be reviewed with the Department to determine if direct push soil borings are necessary. If implemented, direct push soil borings locations will be selected in consultation with the Department, primarily based on the findings of the exploratory test pit/trench program, the results of the sampling of the newly installed monitoring wells, the results of the geophysical survey, and multi-interface probe (MIP) screening results, as described below.

The estimated costs for the direct push soil boring program are based on using a track-mounted direct push drill rig (Geoprobe® Series 6620 or similar) to advance approximately twenty-five (25) soil borings across the Site. Direct push soil borings will be advanced to either approximately twenty five (25) feet below ground surface (bgs), up to two feet into the shallowest confining layer (if any), or to the limits of the direct-push drill rig, whichever is shallowest.

Prior to direct push soil sampling, a multi-interface probe (MIP) will be used to confirm proposed RI soil and groundwater sampling locations. The MIP will provide real-time, in-field screening results for VOCs in the subsurface. MIP borings will be advanced to approximately 25 feet below ground surface (bgs), two feet into the shallowest low permeability unit (if encountered), or to the limits of the direct-push drill rig, whichever is shallowest.

At each selected direct push soil boring location, soil samples will be collected continuously. Soil samples will be screened for VOCs using a PID, inspected for indications of contamination (e.g., staining, odors, etc.) and visually characterized. Geologic descriptions of the soil and field screening results will be recorded.

Soil samples will be selected for laboratory analysis based on field observations and PID readings. If no apparent impacted soil is identified in a boring, the soil sample from the two-foot interval above the encountered confining layer will be selected for analysis or, in the absence of a confining layer, from the two-foot interval above the groundwater surface. If impacted soil is identified, one sample from the most impacted zone (based on field screening) will be selected, and a second sample from the first underlying apparent clean interval encountered will be selected for analysis.

Soil samples selected for analysis will be submitted to a NYSDEC-contracted Standby Laboratory for analysis of TCL VOCs, TCL SVOCs, TAL metals and PCBs. Samples will be placed into laboratory provided glassware, entered onto a chain of custody, packaged in coolers with ice and submitted to the NYSDEC-contracted Standby Laboratory. Quality control samples, including matrix spike and matrix spike duplicates, will be collected at a minimum frequency of one per twenty samples in accordance with the generic QAPP. The laboratory will provide Category B data deliverable packages and EDDs in EQuIS format, and the results will be presented in the RI Report.

Direct Push Groundwater Sample Collection and Analysis

If determined by the Department to be required, a groundwater sample will be collected at each direct push boring location, directly above the top of any encountered confining layer or, or if a confining layer is not encountered, directly below the estimated water table depth, or from a selected interval based on MIP screening results.

Groundwater "grab" samples will be collected by lowering dedicated Teflon-lined high-density polyethylene (HDPE) tubing down the center of the direct push drill rods into a four-foot long stainless steel screen at the base of the drive rods. The sample interval will be purged to minimize turbidity in the sample and the field water-quality parameters (pH, conductivity,

temperature, turbidity, dissolved oxygen and oxidation-reduction potential (ORP)) will be recorded prior to sample collection. Purge water will be containerized for off-site disposal.

Groundwater samples will be submitted to a NYSDEC-contracted Standby Laboratory for analysis of TCL VOCs, TCL SVOCs, filtered and unfiltered TAL metals, and filtered and unfiltered PCBs. Samples will be placed into laboratory provided glassware, entered onto a chain of custody, packaged in coolers with ice and submitted to the NYSDEC-contracted Standby Laboratory. Quality control samples, including matrix spike and matrix spike duplicates, will be collected at a minimum frequency of one per twenty samples in accordance with the generic QAPP. Trip blanks will be included in each cooler containing samples for VOC analysis shipped to the laboratory. The laboratory will provide Category B data deliverable packages and EDDs in EQuIS format, and the results will be presented in the RI Report.

Wipe Sampling

Wipe samples may be collected, if determined necessary in consultation with the Department, from the larger metal debris on-site to identify potential PCB impacts. Samples will be collected with pre-soaked hexane wipes over 10 cm by 10 cm grids. Samples will be submitted to a NYSDEC-contracted Standby Laboratory for PCBs analysis. The estimated cost for the wipe sampling program includes collection of up to twenty-five (25) wipe samples. Samples will be collected using laboratory prepared wipes, placed into laboratory provided glassware, entered onto a chain of custody, packaged in coolers with ice and submitted to the NYSDEC-contracted Standby Laboratory. Quality control samples, including matrix spike and matrix spike duplicates, will be collected at a minimum frequency of one per twenty samples in accordance with the generic QAPP. The laboratory will provide Category B data deliverable packages and EDDs in EQuIS format, and the results will be presented in the RI Report.

Investigation Derived Waste

Investigation derived waste (IDW) is anticipated to include the following: decontamination fluids, well purge and development water, and soil cuttings. To the extent feasible, soil cuttings will be returned to borings, as prescribed in DER-10 Technical Guidance for Site Investigation and Remediation paragraph 3.3(e)(1), unless grossly contaminated. Soil exhibiting evidence of gross contamination will be segregated and stored separately in 55-gallon drums for characterization and off-site treatment/disposal. Wash and rinse water used for equipment decontamination, development water, purge water, and soil cuttings (as appropriate) will be containerized in DOT-approved 55-gallon drums for off-site disposal. Used PPE and disposable sampling equipment will be bagged as regular refuse and disposed as solid waste, unless grossly contaminated.

Materials containerized for off-site disposal will be staged on pallets at a location that is acceptable to the Department. Containerized materials will be clearly marked to indicate the contents of the containers, the date of generation, and the source of the material. It is anticipated that a NYSDEC-contracted Standby IDW contractor will transport and dispose of waste generated during the RI.

Task 3: Remedial Investigation Report

The Remedial Investigation (RI) Report will present the results of the remedial investigation. The RI Report will be prepared in accordance with the applicable provisions of NYSDEC DER-10. The report will include text, tables, and figures, including the Site Survey. The figures will show the aerial and vertical extent of contaminants identified, including relevant physical features across the Site, limits of debris and waste and areas of identified wetlands. The RI Report will describe the subsurface characteristics of the areas investigated, geology and hydrogeology and will also present the results of the FWIA and the geophysical survey.

Groundwater surface elevation contour maps showing inferred predominant groundwater flow direction will be provided. In accordance with NYSDEC DER-10, if determined, the RI Report will identify the sources of contamination, migration pathways, and known actual or potential receptors of contaminants.

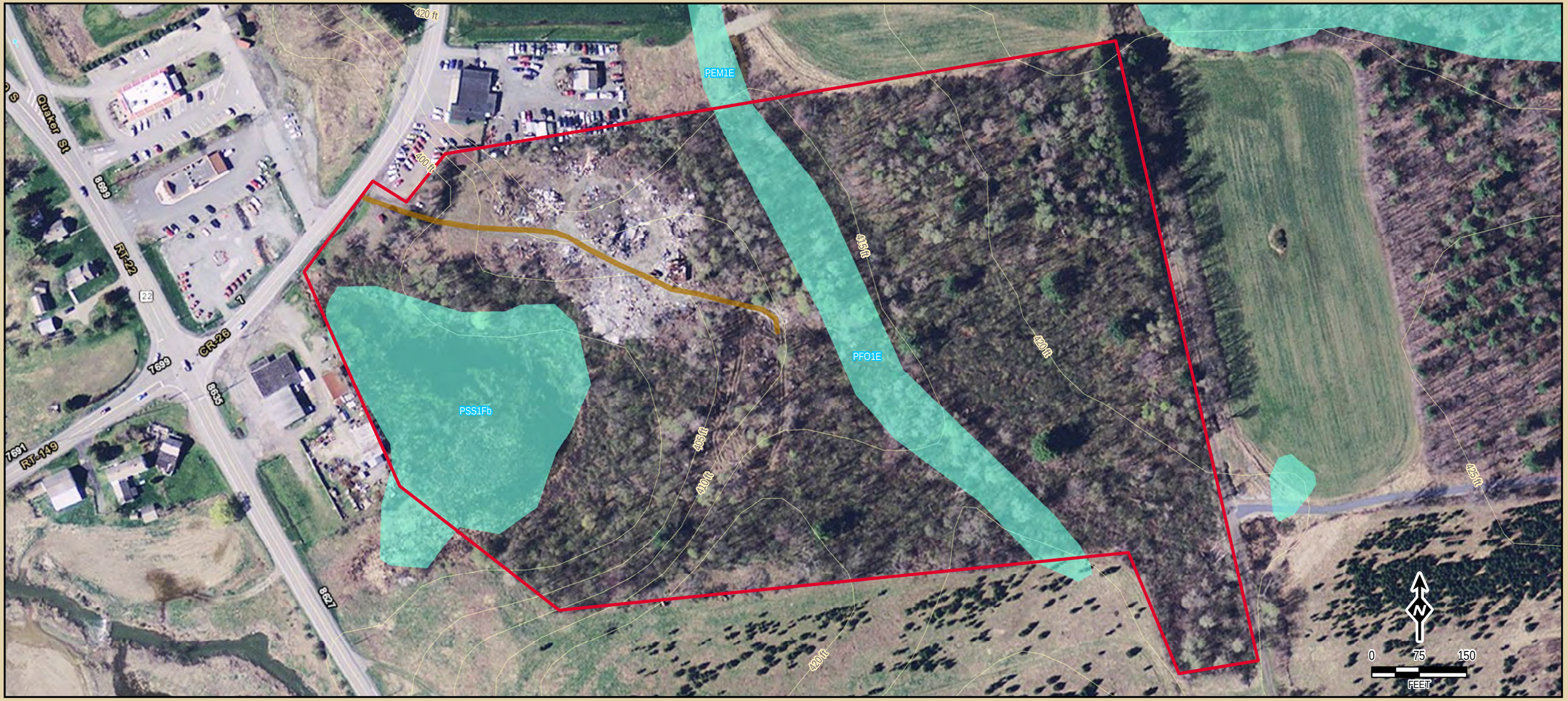
TRC will generate a data usability summary report (DUSR). The DUSR will provide an evaluation of analytical data with the primary objective of determining whether or not the data, as presented, satisfies the project specific criteria for data quality and use.

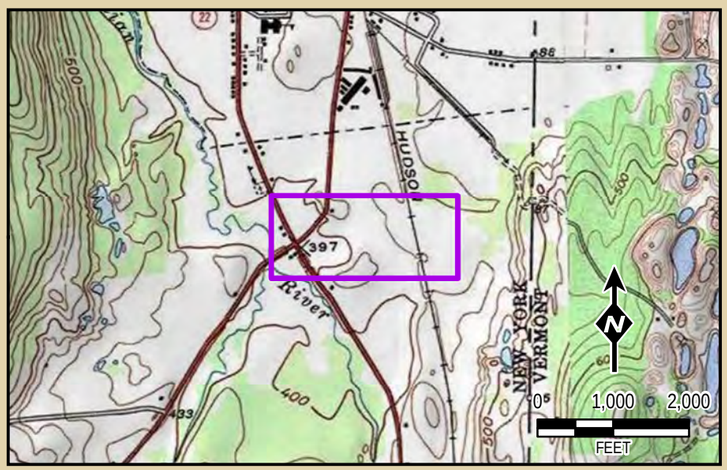
Task 4: Feasibility Study

TRC will prepare a Feasibility Study (FS) Report in accordance with the applicable provisions of NYSDEC DER-10. The FS will establish remedial action objectives (RAOs), evaluate remedial options, and consider green remediation guidance as described in DER-31. Ultimately, the FS will identify remedial technologies that are technically implementable, cost effective, are expected to be capable of achieving the RAOs, and are protective of human health and the environment.

Project Schedule

Task No.	Task Description	Est. Time of Completion
1	Preliminary Activities • File Review • Site Inspection • Review Historical Documents for the Site • Submit Schedule 2.11s and SOW	September 2015
2	Remedial Investigation A. Initial Site Survey B. Site Prep C. FWIA & Wetland Delineation D. Test Pit/Trench Program E. Surface Soil Sampling F. Surface Water and Sediment Sampling G. Monitoring Well Installation and Development H. First Round of Groundwater Sampling I. Geophysical Survey J. Direct Push Soil and Groundwater Sampling K. Final Site Survey L. Second Round of Groundwater Sampling M. Slug Testing N. Wipe Sampling	A. 2 week after NTP B. 1 mo. after NTP C. 1 mo. after NTP D. 2 mos. after NTP E. 2 mos. after NTP F. 3 mos. after NTP G. 5 mos after NTP H. 6 mos. after NTP I. 6 mos. after NTP J. 8 mos. after NTP K. 9 mos after NTP L. 9 mos. after NTP M. 9 mos. after NTP N. 9 mos. after NTP
3	Remedial Investigation Report	13 mos. after NTP
4	Feasibility Study	15 mos. after NTP





LEGEND

- ACCESS ROAD
- PROJECT AREA (APPROX)
- SITE PLAN VIEW (APPROX)
- NATIONAL WETLANDS INVENTORY WETLANDS
- GROUND SURFACE ELEVATION CONTOUR (FEET)

NOTE: ALL INFORMATION SHOWN IS APPROXIMATE

SOURCES: ESRI, TRC, USGS, NWI

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

KATZMAN RECYCLING SITE NO: 558035
GRANVILLE, NY 12832

FIGURE 1
SITE PLAN

CREATED: 9/9/2015

TRC
10 MAXWELL DRIVE
CLIFTON PARK, NY 12065

SCHEDULE 2

SCHEDULE 2.11s

KATZMAN RECYCLING

WA No. D007620-24

REMEDIAL INVESTIGATION/FEASIBILITY STUDY

Schedule 2.11(a)
Summary of Work Assignment Price
Katzman Recycling Site
Work Assignment No. D007620-24

	Price
1) Direct Salary Costs (Schedule 2.10(a) and 2.11(b))	$858
2) Indirect Costs (Schedule 2.10(g))	$1,087
3) Direct Non-Salary Costs (Schedule 2.10(b, c), and 2.11(c))	$0

4) Subcontract Costs

Cost-Plus-Fixed-Fee Subcontracts (Schedule 2.10(e) and 2.11(d))

Name of Subcontractor	Services Performed	Price
i) TRC Engineers, Inc. (TRC)	Engineering Services	$324,975
A) Total Cost-Plus-Fixed-Fee Subcontracts		$324,975

Unit Price Subcontracts (Schedule 2.10(f) and 2.11(e)

Name of Subcontractor	Services Performed	Price
i) Susan M. Anacker PLS, PLLC (WBE)	Survey Services	$20,099
ii) New York Leak Detection, Inc.	Geophysical Services	$7,750
iii) Parratt Wolff, Inc.	Drilling and Excavation	$61,079
iv) Zebra Environmental Services, Inc.	Direct Push Drilling	$34,693
B) Total Unit Price Subcontracts		$123,621
C) Subcontract Management Fee		$4,789
D) Total Subcontract Costs (lines 4A + 4B + 4C)		$453,384

5) Fixed Fee (Schedule 2.10(h))	$194
6) Total Work Assignment Price (Lines 1 + 2 + 3 + 4D + 5)	$455,524

Engineer/Contract # D&B/TRC Joint Venture - D007620
Project Name Katzman Recycling Site
Work Assignment No. D007620-24

Schedule 2.11(b)
Direct Labor Hours Budgeted

Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		Total Hours	Total Costs
Year: 2015	Hours	$69.08	Hours	$69.08	Hours	$57.34	Hours	$48.86	Hours	$43.62	Hours	$35.47	Hours	$30.56	Hours	$25.05	Hours	$24.11		
Task 1 - Direct Labor		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
- Administrative		$0.00		$0.00		$0.00	1	$48.86		$0.00	1	$35.47		$0.00		$0.00		$0.00	2	$84.33
Task 2 - Direct Labor		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
- Administrative		$0.00		$0.00		$0.00	3	$146.58		$0.00	3	$106.41		$0.00		$0.00		$0.00	6	$252.99
Task 3 - Direct Labor		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
- Administrative		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 4 - Direct Labor		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
- Administrative		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Subtotal Hours	0		0		0		4		0		4		0		0		0		8	
Subtotal Cost Year 2015		$0.00		$0.00		$0.00		$195.44		$0.00		$141.88		$0.00		$0.00		$0.00		$337.32
Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		Total Hours	Total Costs
Year: 2016	Hours	$71.15	Hours	$71.15	Hours	$59.06	Hours	$50.32	Hours	$44.92	Hours	$36.53	Hours	$31.47	Hours	$25.80	Hours	$24.83		
Task 1 - Direct Labor		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
- Administrative		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 2 - Direct Labor		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
- Administrative		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 3 - Direct Labor		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
- Administrative		$0.00		$0.00		$0.00	3	$150.96		$0.00	3	$109.59		$0.00		$0.00		$0.00	6	$260.55
Task 4 - Direct Labor		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
- Administrative		$0.00		$0.00		$0.00	3	$150.96		$0.00	3	$109.59		$0.00		$0.00		$0.00	6	$260.55
Subtotal Hours	0		0		0		6		0		6		0		0		0		12	
Subtotal Cost Year 2016		$0.00		$0.00		$0.00		$301.92		$0.00		$219.18		$0.00		$0.00		$0.00		$521.10
Total Direct Labor																				
Total Administrative	0	$0.00	0	$0.00	0	$0.00	10	$497.36	0	$0.00	10	$361.06	0	$0.00	0	$0.00	0	$0.00	20	$858.42
Total All Hours		0		0		0		10		0		10		0		0		0		20
Total All Cost		$0.00		$0.00		$0.00		$497.36		$0.00		$361.06		$0.00		$0.00		$0.00		$858.42

Schedule 2.11 (c)
Direct Non-Salary Costs
(Includes Equipment and Consumables)
Work Assignment No. D007620-24

Item	Max Reimbursement Rate (Specify Unit)	Est. # of Units	Estimated Total Cost
A) Non-Salary Costs			
			$0.00
B) Equipment and Consumables			
			$0.00
C) Miscellaneous (Meals, Lodging, Mileage, LVE)			
			$0.00
	Total Direct Non-Salary Costs		**$0.00**

Schedule 2.11 (d)
Cost-Plus-Fixed-Fee Subcontracts
Work Assignment No. D007620-24

Name of Subcontractor	**Services to be Performed**	**Subcontract Price**
TRC Engineers, Inc.	Engineering Services	**$324,975**

A) ***Direct Salary Costs - 2015***

Professional Responsibility Level	**Labor Classification**	**Ave. Reimbursement Rate ($/Hr.)**	**Max. Reimbursement Rate ($/Hr.)**	**Est. No. of Hours**	**Total Est Direct Salary Cost (Ave. Reimb. Rate x Est. # of Hrs.)**
Title: Asst. Contract Mgr., Sr. Advisor, Sr. Engr.	IX	$69.08	$69.08	8	$552.64
Title: Senior Engineer, Sr. Geologist	VIII	$69.08	$69.08	0	$0.00
Title: Program Leader, Prj. Manager, Health & Safety Officer, Sr. Geologist, Toxicologist	VII	$66.36	$69.08	72	$4,777.92
Title: Program Leader, Sr. Engr., Sr. Geologist	VI	$55.16	$64.68	4	$220.64
Title: QAO Officer, Project Geologist	V	$42.85	$48.05	147	$6,298.95
Title: Proj. Engr./Scien., Construction Inspector	IV	$34.36	$35.63	160	$5,497.60
Title: CADD Operator, Admin. Asst., Site Mgr., Project Engineer/Scientist	III*	$28.83	$31.55	0	$0.00
Title: Admin. Asst., Project Engineer/Scientist, GIS Operator	II*	$19.80	$26.27	455	$9,009.00
Title: NA	I	---	---		

Direct Salary Costs - 2016

Professional Responsibility Level	**Labor Classification**	**Ave. Reimbursement Rate ($/Hr.)**	**Max. Reimbursement Rate ($/Hr.)**	**Est. No. of Hours**	**Total Est Direct Salary Cost (Ave. Reimb. Rate x Est. # of Hrs.)**
Title: Asst. Contract Mgr., Sr. Advisor, Sr. Engr.	IX	$71.15	$71.15	18	$1,280.70
Title: Senior Engineer, Sr. Geologist	VIII	$71.15	$71.15	0	$0.00
Title: Program Leader, Prj. Manager, Health & Safety Officer, Sr. Geologist, Toxicologist	VII	$68.35	$71.15	294	$20,094.90
Title: Program Leader, Sr. Engr., Sr. Geologist	VI	$56.81	$66.62	8	$454.48
Title: QAO Officer, Project Geologist	V	$44.13	$49.49	639	$28,199.07
Title: Proj. Engr./Scien., Construction Inspector	IV	$35.39	$36.69	427	$15,111.53
Title: CADD Operator, Admin. Asst., Site Mgr., Project Engineer/Scientist	III*	$29.69	$32.49	100	$2,969.00
Title: Admin. Asst., Project Engineer/Scientist, GIS Operator	II*	$20.39	$27.05	582	$11,866.98
Title: NA	I	---	---		

Total Direct Salary Costs: $106,333.41

Footnotes:

1) The labor rate averages and maximums shall be adjusted by a rate equal to the increase in the CPI index CUURA101SAO-"All Urban Consumers-New York-Northern N.J.-Long Island" for the previous year. This index is published by the U.S. Department of Labor's Bureau of Labor Statistics. The adjustment will be calculated every January and will be effective for subsequent work assignment billing and budgeting purposes.
2) Schedule 2.11(e) may be re-negotiated after four (4) years at the request of either party. Any revision as a result of re-negotiation will be subject to the approval of the Office of the State Comptroller.
3) The maximum annual escalation is limited to 5%.
4) Reimbursement will be limited to the lesser of either the individual's actual hourly rate or the maximum rate for each labor category.
5) Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
6) Only those labor classifications indicated with an asterisk will be entitled to overtime.
7) Reimbursement for technical time of principals, owners, and officers will be limited to the maximum reimbursement rate of that category, the actual hourly labor rate paid, or the State M-6 rate, whichever is lower.
8) Maximum reimbursement rates may be exceeded for work assignment activities that are under the jurisdiction of the Schedule of Prevailing Wage Rates set by the New York State Department of Labor.

B) ***Indirect Costs***

Indirect costs shall be paid based on a percentage of direct salary costs incurred which shall not exceed a maximum of 162.87% or the actual rate calculated in accordance with 48 CFR Federal Acquisition Regulation, whichever is lower.

Indirect Costs: $173,185.22

C) ***Maximum Reimbursement Rates for Direct Non-Salary Costs***

Item	Max Reimbursement Rate		Est. No. of Units	Total Est. Cost
A) Non-Salary Costs				
Task 1: Preliminary Activities				
1) EDR Database Search	$500.00	LS	1	$500.00
Task 2: RI Field Activities				
1) Equipment Shipment	$100.00	per shipment	5	$500.00
Task 3: Remedial Investigation Report				
1) Express Mail/Postage	$50.00	per submittal	3	$150.00
2) Document copy/production	$75.00	per submittal	3	$225.00
Task 4: Feasibilty Study				
1) Express Mail/Postage	$50.00	per submittal	4	$200.00
2) Document copy/production	$75.00	per submittal	4	$300.00
B) Equipment and Consumables				
Task 1: Preliminary Activities				
1) PPE (Level D)	$10.00	per person/day	2	$20.00
Task 2: RI Field Activities				
1) PPE (Level D)	$10.00	per person/day	90	$900.00
2) Oil-Water Interface Probe	$84.00	per week	5	$420.00
3) Groundwater Multi-Parameter Meter	$180.00	per week	5	$900.00
4) GPS	$360.00	per week	2	$720.00
5) Misc. (Field supplies, shipping supplies, plastic bags, ice, etc.)	$500.00	Lump Sum	1	$500.00
6) Nitrile Gloves	$14.50	per box	5	$72.50
7) Photoionization Detector (2 Units)	$240.00	per week	7	$1,680.00
8) Dust Monitor (2 Monitors)	$540.00	per week	7	$3,780.00
9) Dust Monitor Tripod Set Up (2 Set Ups)	$120.00	per week	7	$840.00
10) Peristaltic Pump (2 Pumps)	$30.00	per day	6	$180.00
11) Tubing (Teflon Lined, 1/4 inch ID)	$1.00	per foot	1000	$1,000.00
12) In-line 0.45 Micron Filter	$16.50	each	75	$1,237.50
13) Walk Behind Brush Cutter	$70.00	per day	3	$210.00
14) Pressure Transducers (Slug Testing)	$117.00	per week	1	$117.00
C) Miscellaneous (Meals, Lodging, Mileage, LVE)				
Task 1: Preliminary Activities				
1) Rental Car	$95.00	per day	1	$95.00
2) Tolls	$15.00	per roundtrip	1	$15.00
3) Fuel for Rental Car	$50.00	per roundtrip	1	$50.00
Task 2: RI Field Activities				
1) Rental Car	$475.00	per week	12	$5,700.00
2) Fuel for Rental Car	$65.00	per week	12	$780.00
3) Lodging	$83.00	per night	57	$4,731.00
4) Per Diem	$46.00	per day	57	$2,622.00
Task 4: Feasibilty Study				
1) Rental Car	$95.00	per day	2	$190.00
2) Fuel for Rental Car	$50.00	per roundtrip	1	$50.00
			Total Direct Non-Salary Costs:	**$28,685.00**

D) ***Fixed Fee***

The fixed fee is: 6% of total direct and indirect salary costs.

Fixed Fee: **$16,771.12**

Total Budget: **$324,974.75**

Engineer/Contract # D&B/TRC Joint Venture - D007620
Project Name Katzman Recycling Site
Work Assignment No. D007620-24

Schedule 2.11(d) Supplemental
TRC Direct Labor Hours Budgeted

Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		Total Hours	Total Costs
Year: 2015	Hours	$69.08	Hours	$69.08	Hours	$66.36	Hours	$55.16	Hours	$42.85	Hours	$34.36	Hours	$28.83	Hours	$19.80	Hours			
Task 1 - Direct Labor	4	$276.32		$0.00	50	$3,318.00		$0.00	65	$2,785.25		$0.00		$0.00	15	$297.00		$0.00	134	$6,676.57
- Administrative		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 2 - Direct Labor	4	$276.32		$0.00	22	$1,459.92	4	$220.64	82	$3,513.70	160	$5,497.60		$0.00	440	$8,712.00		$0.00	712	$19,680.18
- Administrative		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 3 - Direct Labor		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
- Administrative		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 4 - Direct Labor		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
- Administrative		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Subtotal Hours	8		0		72		4		147		160		0		455		0		846	
Subtotal Cost Year 2015		$552.64		$0.00		$4,777.92		$220.64		$6,298.95		$5,497.60		$0.00		$9,009.00		$0.00		$26,356.75
Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		Total Hours	Total Costs
Year: 2016	Hours	$71.15	Hours	$71.15	Hours	$68.35	Hours	$56.81	Hours	$44.13	Hours	$35.39	Hours	$29.69	Hours	$20.39	Hours			
Task 1 - Direct Labor		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
- Administrative		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 2 - Direct Labor	2	$142.30		$0.00	14	$956.90		$0.00	50	$2,206.50	140	$4,954.60		$0.00	310	$6,320.90		$0.00	516	$14,581.20
- Administrative		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 3 - Direct Labor	6	$426.90		$0.00	60	$4,101.00	8	$454.48	369	$16,283.97	247	$8,741.33	100	$2,969.00	172	$3,507.08		$0.00	962	$36,483.76
- Administrative		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 4 - Direct Labor	10	$711.50		$0.00	220	$15,037.00		$0.00	220	$9,708.60	40	$1,415.60		$0.00	100	$2,039.00		$0.00	590	$28,911.70
- Administrative		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Subtotal Hours	18		0		294		8		639		427		100		582		0		2068	
Subtotal Cost Year 2016		$1,280.70		$0.00		$20,094.90		$454.48		$28,199.07		$15,111.53		$2,969.00		$11,866.98		$0.00		$79,976.66
Total Direct Labor	26	$1,833.34	0	$0.00	366	$24,872.82	12	$675.12	786	$34,498.02	587	$20,609.13	100	$2,969.00	1,037	$20,875.98	0	$0.00	2,914	$106,333.41
Total Administrative	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00
Total All Hours		26		0		366		12		786		587		100		1,037		0	2,914	
Total All Cost		$1,833.34		$0.00		$24,872.82		$675.12		$34,498.02		$20,609.13		$2,969.00		$20,875.98		$0.00		$106,333.41

Schedule 2.11(e)
Unit Price Subcontracts
Work Assignment No. D007620-24

Name of Subcontractor	Services Performed		Subcontract Price	Management Fee
Susan M. Anacker PLS, PLLC	Land Surveying Services		$20,099	$0
Item	Max Reimbursment	Unit	Est. # Units	Total Est. Cost
Site Survey	$20,098.50	Lump Sum	1	$20,098.50
			Subtotal Subcontract Price	$20,098.50
			Subcontract Management Fee	$0.00
			Total	$20,098.50

Schedule 2.11(e)
Unit Price Subcontracts
Work Assignment No. D007620-24

Name of Subcontractor	Services Performed		Subcontract Price	Management Fee
New York Leak Detection, Inc.	Geophysical Services		$7,750	$0
Item	**Max Reimbursment**	**Unit**	**Est. # Units**	**Total Est. Cost**
Geophysical Survey Services	$7,750.00	Lump Sum	1	$7,750.00

Subtotal Subcontract Price	$7,750.00
Subcontract Management Fee	$0.00
Total	$7,750.00

Schedule 2.11(e)
Unit Price Subcontracts
Work Assignment No. D007620-24

Name of Subcontractor	Services Performed	Subcontract Price	Management Fee
Parratt Wolff, Inc.	Drilling and Excavation	$61,079	$3,054

Item			Max Reimbursment Rate (Specify Unit)	Unit	Est. # Units	Total Est. Cost
1	a.	Mobilization/Demobilization*	$4,650.00	LS	1	$4,650.00
	b.	Construction and Removal of Decontamination Pad (Non-Mobile)	$400.00	LS	1	$400.00
	c.	Well/Boring Set-up	$200.00	EACH	19	$3,800.00
	d.	Hydrant Permit*	$100.00	EACH	1	$100.00
	e.	Water Usage*	$4.00	PER 1,000 GALLONS	15	$60.00
2	Drilling					
	a. Hollow Stem Auger					
	(1) 0-50 feet in depth					
	c.	4.25-inch ID hollow stem augers	$14.00	LF	325	$4,550.00
	d.	6.25-inch ID hollow stem augers	$16.00	LF	75	$1,200.00
6	Borehole Sampling					
	Split Spoon Sampling					
	(1) 0-50 feet in depth					
	a.	2-inch OD	$20.00	PER SAMPLE	95	$1,900.00
8	Well Screen					
	a. Schedule 40 PVC					
		2-inch ID	$8.00	LF	190	$1,520.00
9	Well Riser					
	a. Schedule 40 PVC					
		2-inch ID	$5.00	LF	310	$1,550.00
10	Well Screen Sand Pack Material (No. 00 to No. 2 size sand)		$15.00	PER 94 LB BAG	65	$975.00
11	Bentonite					
	b.	Granular/Chips	$20.00	PER 50 LB BAG	26	$520.00
	c.	Powder	$15.00	PER 50 LB BAG	26	$390.00
12	Grout					
	b.	Portland Cement - Type II	$30.00	PER 94 LB BAG	95	$2,850.00
14	b. Above Grade (stick-up)					
	(1) 6-foot protective steel surface casing, with locking cover, drain hole set in a 2-foot by 2-foot cement or concrete pad extending at least 1 foot below ground surface					
		4-inch ID	$200.00	EACH	13	$2,600.00
		6-inch ID	$250.00	EACH	3	$750.00
	c. Keyed Alike Locks		$12.00	EACH	16	$192.00
15	Containerization of Drilling Material and Staging (on pallets)					
	a.	Provide empty, DOT approved, 55-gallon drums with seals, bungs and lids	$60.00	PER 55-GALLON DRUM	50	$3,000.00
	c.	Filling, moving (within 0.25 mile of drill site) and staging 55-gallon drums (drill cuttings, drilling fluids, purge water, development water or decontamination water) on pallets.	$75.00	PER 55-GALLON DRUM	50	$3,750.00
16	Well Development					
	b.	Pump and Surge (inertial hydrolift pump/includes tubing)	$65.00	PER HOUR	37	$2,405.00
18	Bulldozer (6-foot blade) with Operator for Clearing/Site Access					
	a.	Mobilization and demobilization	$500.00	LS	1	$500.00
	b.	On-site operation	$110.00	PER HOUR	40	$4,400.00
	c.	Decontamination between locations	$110.00	LUMP SUM PER LOCATION	16	$1,760.00
19	Backhoe/Excavator with Operator for Test Pit/Trench Excavation					
	a.	Mobilization and demobilization	$500.00	LUMP SUM	1	$500.00
	c.	Tracked (20-foot excavation in depth)	$130.00	PER HOUR	50	$6,500.00
	d.	Decontamination between locations	$130.00	LUMP SUM PER LOCATION	20	$2,600.00
21	c.	Water hauling - when on-site water is insufficient or unavailable provide additional laborer (excluding driller and helper) and vehicle with minimum 500-gallon capacity to supply potable water	$250.00	PER DAY	10	$2,500.00
25	Out of Scope Items					
	a.	Min. 10 mil Plastic Sheeting *	$195.00	PER 2500 SQUARE FEET	20	$3,900.00

Notes:
* - Not Escalated

Subtotal Subcontract Price	$59,822.00
CPI Adjustment effective Jan 2015 (2.46%)	$1,257.36
Subtotal Subcontract Price	$61,079.36
Subcontract Management Fee	$3,053.97
Total	$64,133.33

Schedule 2.11(e)
Unit Price Subcontracts
Work Assignment No. D007620-24

Name of Subcontractor	Services Performed	Subcontract Price	Management Fee
Zebra Environmental Services, Inc.	Direct Push Drilling	$34,693	$1,735

Item	Max Reimbursment Rate (Specify Unit)	Unit	Est. # Units	Total Est. Cost
1) A. MOBILIZATION/DEMOBILIZATION INCLUDING SITE SETUP/ BREAKDOWN, CLEANUP, REPAIR, INITIAL AND FINAL EQUIPMENT DECONTAMINATION, TRAVEL, LODGING, MEALS AND LABOR *	$1,675.00	LUMP SUM	1	$1,675.00
B. PROBE HOLE SETUP	$136.00	PER LOCATION	25	$3,400.00
C. HYDRANT PERMIT *	$0.00	EACH	1	$0.00
D. WATER USAGE *	$0.00	PER 1,000 GALLONS	10	$0.00
2) TEMPORARY DECONTAMINATION PAD INCLUDING ALL DECONTAMINATION EQUIPMENT AND SUPPLIES				
B. MOBILE	$354.00	LUMP SUM	1	$354.00
3) GEOPROBE SYSTEM OR EQUIVALENT WITH ASSOCIATED EQUIPMENT, TOOLS, SUPPLIES, ETC. NECESSARY TO COMPLETE ASSIGNED WORK		PER DAY (8 HOUR DAY ON-SITE)		
C. ALL TERRAIN VEHICLE MOUNTED PROBE (1 PERSON CREW)	$1,362.50	PER DAY	8	$10,900.00
G. CHARGE TO SUPPLY ADDITIONAL PERSON FOR CREW	$273.00	PER PERSON PER 8 HOUR DAY ON SITE	8	$2,184.00
4) OVERTIME CHARGE FOR ON-SITE WORK (IN EXCESS OF 8 HRS) INCLUDING GEOPROBE	$136.00	PER HOUR	16	$2,176.00
5) OVERTIME CHARGE FOR ADDITIONAL PERSON FOR CREW IN EXCESS OF 8 HRS	$136.00	PER HOUR	16	$2,176.00
6) PROBE SAMPLING INCLUDING ALL EQUIPMENT AND SUPPLIES				
A. GROUNDWATER SAMPLE	$10.00	PER SAMPLE	25	$250.00
C. MACRO CORE SOIL SAMPLE (APPROXIMATELY 2-INCH DIAMETER)	$10.00	PER SAMPLE (2FT IN LENGTH)	313	$3,130.00
17) CONTAINERIZATION OF PROBING WASTE MATERIAL AND STAGING (ON PALLETS)				
A. PROVIDE EMPTY DOT-APPROVED 55-GALLON DRUMS WITH SEALS, BUNGS AND LIDS	$70.85	PER 55 GAL DRUM	5	$354.25
C. FILLING, MOVING (W/IN 0.25 MI. OF DRILL SITE) AND STAGING 55-GALLON DRUMS (PROBING WASTE, PURGE WATER, DECONTAMINATION WATER ON PALLETS, ETC.)	$103.55	PER 55 GAL DRUM	5	$517.75
22) BENTONITE CHIPS*	$5.00	PER BAG (50 LBS)	10	$50.00
23) COST FOR MIP EQUIPMENT/OPERATION (INCLUDES DIRECT PUSH MIP EQUIPMENT OPERATOR AND COST FOR DIRECT PUSH MIP EQUIPMENT) *	$1,380.00	PER 10 HOUR DAY ON SITE	5	$6,900.00
24) CHARGE TO SUPPLY ADDITIONAL PERSON FOR MIP OPERATION *	$0.00	PER PERSON PER 10 HOUR DAY ON SITE	5	$0.00

Note:
* - Not Escalated

Subtotal Subcontract Price	$34,067.00
CPI Adjustment effective Jan 2015 (2.46%)	$625.87
Subtotal Subcontract Price	$34,692.87
Subcontract Management Fee	$1,734.64
Total	$36,427.52

Schedule 2.11(f) - Summary
Monthly Cost Control Report
Summary of Fiscal Information

Engineer: D&B/TRC Joint Venture - D007620
Task # / Name: All Tasks
Complete:
Date Prepared:

Contract No.: D007620
Project Name: Katzman Recycling Site
Work Assignment No.: D007620-24

	A	B	C	D	E	F	G	H
Expenditure Category	Costs Claimed This Period	Paid to Date	Total Disallowed to date	Total Costs Incurred to Date (A+B+C)	Estimated Costs to Completion	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs							$858	
2. Indirect Costs							$1,087	
3. Subtotal Direct and Indirect							$1,945	
4. Travel							$0	
5. Other Non-Salary Costs							$0	
6. Subtotal Direct Non-Salary Costs							$0	
7. Subcontractors							$448,595	
7a. Subcontract Mgmt Fee							$4,789	
8. Total Work Assignment Cost							$455,329	
9. Fixed Fee							$194	
10. Total Work Assignment Price							$455,524	

Schedule 2.11(f)
Monthly Cost Control Report
Summary of Fiscal Information

Engineer: D&B/TRC Joint Venture - D007620
Task #/Name: Task 1 - Preliminary Activities
Complete:
Date Prepared:

Contract No.: D007620
Project Name: Katzman Recycling Site
Work Assignment No.: D007620-24

	A	B	C	D	E	F	G	H
Expenditure Category	Costs Claimed This Period	Paid to Date	Total Disallowed to date	Total Costs Incurred to Date (A+B+C)	Estimated Costs to Completion	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs							$84	
2. Indirect Costs							$107	
3. Subtotal Direct and Indirect							$190	
4. Travel							$0	
5. Other Non-Salary Costs							$0	
6. Subtotal Direct Non-Salary Costs							$0	
7. Subcontractors							$19,284	
7a. Subcontract Mgmt Fee							$0	
8. Total Work Assignment Cost							$19,475	
9. Fixed Fee							$19	
10. Total Work Assignment Price							$19,494	

Schedule 2.11(f)
Monthly Cost Control Report
Summary of Fiscal Information

Engineer: D&B/TRC Joint Venture - D007620
Task #/Name: Task 2 - RI Field Activities
Complete:
Date Prepared:

Contract No.: D007620
Project Name: Katzman Recycling Site
Work Assignment No.: D007620-24

	A	B	C	D	E	F	G	H
Expenditure Category	Costs Claimed This Period	Paid to Date	Total Disallowed to date	Total Costs Incurred to Date (A+B+C)	Estimated Costs to Completion	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs							$253	
2. Indirect Costs							$320	
3. Subtotal Direct and Indirect							$573	
4. Travel							$0	
5. Other Non-Salary Costs							$0	
6. Subtotal Direct Non-Salary Costs							$0	
7. Subcontractors							$245,977	
7a. Subcontract Mgmt Fee							$4,789	
8. Total Work Assignment Cost							$251,339	
9. Fixed Fee							$57	
10. Total Work Assignment Price							$251,397	

Schedule 2.11(f)
Monthly Cost Control Report
Summary of Fiscal Information

Engineer: D&B/TRC Joint Venture - D007620
Task #/Name: Task 3 - Remedial Investigation Report
Complete:
Date Prepared:

Contract No.: D007620
Project Name: Katzman Recycling Site
Work Assignment No.: D007620-24

	A	B	C	D	E	F	G	H
Expenditure Category	Costs Claimed This Period	Paid to Date	Total Disallowed to date	Total Costs Incurred to Date (A+B+C)	Estimated Costs to Completion	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs							$261	
2. Indirect Costs							$330	
3. Subtotal Direct and Indirect							$590	
4. Travel							$0	
5. Other Non-Salary Costs							$0	
6. Subtotal Direct Non-Salary Costs							$0	
7. Subcontractors							$102,034	
7a. Subcontract Mgmt Fee							$0	
8. Total Work Assignment Cost							$102,625	
9. Fixed Fee							$59	
10. Total Work Assignment Price							$102,684	

Schedule 2.11(f)
Monthly Cost Control Report
Summary of Fiscal Information

Engineer: D&B/TRC Joint Venture - D007620
Task #/Name: Task 4 - Feasability Study
Complete:
Date Prepared:

Contract No.: D007620
Project Name: Katzman Recycling Site
Work Assignment No.: D007620-24

	A	B	C	D	E	F	G	H
Expenditure Category	Costs Claimed This Period	Paid to Date	Total Disallowed to date	Total Costs Incurred to Date (A+B+C)	Estimated Costs to Completion	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs							$261	
2. Indirect Costs							$330	
3. Subtotal Direct and Indirect							$590	
4. Travel							$0	
5. Other Non-Salary Costs							$0	
6. Subtotal Direct Non-Salary Costs							$0	
7. Subcontractors							$81,300	
7a. Subcontract Mgmt Fee							$0	
8. Total Work Assignment Cost							$81,891	
9. Fixed Fee							$59	
10. Total Work Assignment Price							$81,950	

Schedule 2.11(f) - Supplemental
Cost Control Report for Subcontracts

Engineer: D&B/TRC Joint Venture - D007620
Task #/Name: All Tasks
Complete:
Date Prepared:

D007620
Project Name: Katzman Recycling Site
Work Assignment No.: D007620-24

	A	B	C	D	E	F	G	H
Subcontractor Name	Subcontract Costs Claimed this Period	Subcontract Costs Paid to Date	Total Subcontract Costs Disallowed to Date	Total Subcontract Costs Incurred to Date (A+B-C)	Subcontract Approved Budget	Management Fee Budget	Management Fee Paid	Total Costs to Date
1. Susan M. Anacker PLS, PLLC (WBE)					$20,099	$0		
2. New York Leak Dectection, Inc.					$7,750	$0		
3. Parratt Wolff, Inc.					$61,079	$3,054		
4. TRC					$324,975	$0		
5. Zebra Environmental Services, Inc.					$34,693	$1,735		
Totals					$448,595	$4,789		

Notes:

1. Costs listed in Columns A, B, C, & D do not include any management fee costs.
2. Management fee is applicable to only properly procured, satisfactorily completed, M/WBE or unit price subcontracts over $10,000.

Schedule 2.11(g)

Monthly Cost Control Report

Summary of Labor Hours

Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

Engineer: D&B/TRC Joint Venture - D007620
Task #/Name: All Tasks
Complete:
Date Prepared:

Contract No.: D007620
Project Name: Katzman Recycling Site
Work Assignment No.: D007620-24

NSPE Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		Total Labor Hours	
	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.
Task 1		0		0		0	0	1		0	0	1		0		0		0	0	2
Task 2		0		0		0	0	3		0	0	3		0		0		0	0	6
Task 3		0		0		0	0	3		0	0	3		0		0		0	0	6
Task 4		0		0		0	0	3		0	0	3		0		0		0	0	6
Total Hours	0	0	0	0	0	0	0	10	0	0	0	10	0	0	0	0	0	0	0	20

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

Contract/WA No. D007620-24 Site/Spill Number 5-58-035

Site/Spill Name Katzman Recycling

NOTE: Standby Contractor must obtain DER approval prior to executing and submitting subcontract.

Check the appropriate box and complete the chart below:

Standby Subcontractors

☐ Standby cost-plus-fixed-fee subconsultant/subcontractor selected on rotational basis.

☐ Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)

☐ Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

Non-Standby Subcontractors

For non-standby unit-price or lump-sum subcontracting work, obtain the necessary number of quotes and complete the chart below:

☐ Total estimated costs are less than $10,000; three responsive quotes must be obtained (verbal is allowed).

☐ Total estimated costs range from $10,000 to $20,000; three **written** responsive quotes must be obtained and attached.

☑ Total estimated costs are over $20,000; five **written** responsive quotes must be obtained and attached.

Note: If unable to obtain a sufficient number of quotes, obtain and attach a minimum of 2 responsive quotes. Attach documentation of attempts made to obtain additional quotes **and** an engineer's estimate to support cost reasonableness.

☐ Usage of an M/WBE firm with estimated costs under $10,000; a comparable quote must be obtained and attached. If unable to obtain a quote, document the attempts made **and** attach an engineer's estimate or other cost comparison to support cost reasonableness.

☐ Single/sole source procurement (must be pre-approved by the DEC CM); attach rationale for selecting subcontractor **and** comparable quotes. If quotes are unavailable the basis for determining cost reasonableness has been provided, using an engineer's estimate or other cost comparisons (e.g. historical costs, pricing guides).

Subcontractor/Subconsultant	*Phone Number*	*Date*	*Price Quote*
Susan Anacker PLS, PLLC	(315) 724-6800	9/22/2015	$20,098.50
CT Male Associates	(518) 786-7400	9/14/2015	$27,995.00
MJ Engineering & Land Surveying, P.C .	(518) 371-0799	9/15/2015	$24,500.00
Thew Associates	(315) 733-7278	9/21/2015	$25,750.00
Wendel Companies	(716) 688-0766	9/22/2015	$30,500.00

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract will include all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It includes a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at http://www.wadsworth.org/labservices.htm).

2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.

3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors selected on a WA, a new subcontract certification must be submitted.)

4. For subcontracts in excess (or anticipated to be in excess) of $10,000, the subcontractor submitted an acceptable New York State Vendor Responsibility Questionnaire. Information related to vendor responsibility can be found at http://www.osc.state.ny.us/agencies/gbull/g221.htm

5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises (M/WBE) and Conflict of Interest (COI).

6. The subcontract includes the termination clause required in the prime contract.

7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.

8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insureds on endorsements to the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at http://www.ins.state.ny.us and Best's Rating can be determined at http://www.ambest.com). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) are included as appropriate.

9. In addition to the appropriate insurance certificates, the contractor submitted a copy of the insurance policy provisions pertaining to notification of cancellation (including expiration, termination, or suspension) of such policy.

10. Documentation supporting this certification, including the executed subcontract, is maintained by the Contractor and will be provided within 10 days of any request.

Signature of Contractor's Authorized Representative	Date 9.25.2015
TRC Engineers, Inc.	D007620-24
Contractor Name	Contract/WA No.
Susan Anacker PLS, PLLC	
Subcontractor Name	

Rev. 06/02/14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO. 558035
DEC CONTRACT/WA NO. D007620-24
LAND SURVEYING SERVICES
PRICE QUOTATION SUMMARY

	ITEM DESCRIPTION	UNIT	QUANTITY	Susan Anacker, PLLC (WBE)		CT MALE ASSOCIATES		MJ ENGINEERING AND LAND SURVEYING, P.C. (MBE)		SHUMAKER (WBE)		THEW ASSOCIATES		Wendel Companies	
				UNIT PRICE	Extended Cost:	UNIT PRICE	Extended Cost:	UNIT PRICE	Extended Cost:	UNIT PRICE	Extended Cost:	UNIT PRICE	Extended Cost:	UNIT PRICE	Extended Cost:
1)	Site Survey	LUMP SUM	1	$20,098.50	$20,098.50	$27,995.00	$27,995.00	$24,500.00	$24,500.00	----	No Bid	$25,750.00	$25,750.00	$30,500.00	$30,500.00
				Total:	$ 20,098.50	**Total:**	$ 27,995.00	**Total:**	$ 24,500.00	**Total:**	No Bid	**Total:**	$25,750.00	**Total:**	$30,500.00

Scope of Work

Flanagan, Marc E.

From: Flanagan, Marc E.
Sent: Wednesday, September 09, 2015 9:41 PM
To: 'rkorosec@thewassociates.com'
Subject: NYSDEC: Katzman Recycling Site, Granville, Washington County, New York - Price Quotation Request for Land Surveying Services
Attachments: Contract Terms and Conditions.pdf; KATZMAN_.PDF

Good evening Bob,

TRC Engineers, Inc. (TRC) is requesting pricing for land surveying services for a Remedial Investigation (RI) and Feasibility Study (FS) under D&B/TRC's Standby Engineering Contract No. D007620 with the New York State Department of Environmental Conservation (NYSDEC). The Katzman Recycling Site occupies an area of approximately twenty (20) acres near the intersection of County Route 26 and U.S. Route 22, south of the Village of Granville, Washington County, New York (see attached Site Plan).

The required scope of work and requested deliverables are presented below. In addition to providing a cost for the scope detailed below, TRC also requests that you provide with your response an estimated number of days required to complete each phase of the survey.

The selected surveyor will be required to enter into an agreement with TRC for this project, will be required to accept the terms and conditions of the agreement (attached) and provide TRC with the proper insurance documentation (including, but not limited to, General Liability and Worker's Compensation insurance naming TRC Engineers, Inc., Dvirka and Bartilucci Consulting Engineers, The State of New York, and New York State Department of Environmental Conservation as Additional Insured).

Please provide a lump sum cost for services. All prices shall be all inclusive and include all taxes.

Please email me with any questions you may have on the scope of work.

We ask for receipt of your response by close of business, **Tuesday September 15, 2015**. Please provide a response even if you are not interested in providing a quote for the work. Thank you for your attention to this matter and we look forward to hearing back from you.

[**SEE BELOW FOR SCOPE**]

Regards,

Marc E. Flanagan
Project Manager
MEFlanagan@trcsolutions.com

10 Maxwell Drive, Suite 200,
Clifton Park, New York 12065
T (Direct): 518.688.3154 | F: 518.348.1194| C: 518.894.1182

Follow us on LinkedIn or Twitter |
www.trcsolutions.com

SCOPE OF WORK

The survey must be signed, sealed and certified by a Land Surveyor licensed to practice in the State of New York. Coordinates and elevations of the surveys shall be in the New York Plane Coordinate System (North American Datum (NAD) 1983) and North American Vertical Datum (NAVD) of 1988.

The survey will be completed in two mobilizations. The initial survey/phase will include the following tasks:

- Property Boundary Survey: A property boundary survey shall be furnished by the surveyor. The property boundary survey shall show the boundaries of the Site and the boundary of each parcel 100 feet beyond the outer-most boundaries of the Site in all directions. The survey shall clearly indicate block and lot numbers and show property boundaries, noting current owners and addresses of individuals which have access, use and ownership rights, for properties, easements, rights of way, and any rights of access and use within the area of the survey and show all associated boundaries.

- Physical Features/Topographic Survey: The physical features/topographic map shall be at a scale of 1 inch = 40 feet and shall encompass the entire Site and extend 100 feet beyond the outer-most property boundaries in all directions. The physical features/topographic survey drawing shall show existing site features including structures; aboveground and marked-out underground utilities; horizontal limits and elevations of surface water bodies; limits of vegetation, ditches, catch basins, trails, streets, fences, gates, and other significant physical and environmentally sensitive features. The following shall also be included/shown on the physical features/topographic survey:

    - Ground surface elevation contours at 1.0-foot increments.
    - Above ground utilities; marked out underground utilities and underground utilities identified from records provided to the surveyor by TRC.
    - Locations and dimensions of all on-site structures (including the incinerator and pole barn).
    - Fences and gates, including heights called out.
    - The limits of all ground surface coverings (e.g., concrete, asphalt, landscaping, gravel, stone, crops, etc.). Also the locations and extent of large debris and large debris piles. The type of each ground covering shall be specifically called out.
    - Drainage structures and dry wells including elevations of tops of grates and manhole covers, diameters of pipes and elevations of pipe inverts where accessible from ground surface.
    - Utility poles, light poles and traffic signs (pole numbers shall be shown).
    - Culverts and headwalls, including diameters and invert elevations.

- Roads, driveways, and access paths.

- Location of all surface water bodies including ponds, streams and wetlands, and limits of forested areas.

A second survey/phase will be performed following the completion of RI field activities. The second survey and survey drawing shall include the items surveyed during the initial survey and also show the following additional items:

- Newly installed monitoring wells (anticipate nineteen (19)), including for each, the location (coordinates) and ground surface elevation, top of protective casing elevation (stick up), and top of PVC riser elevation. The surveyor will use the well identification numbers that will be provided by TRC. TRC will provide a figure showing the approximate locations of monitoring wells.

- The location (coordinates) and ground surface elevation for approximately:
  - Twenty-five (25) direct-push soil borings
  - Twenty (20) multi-interface probe locations
  - Seventy-five (75) surface soil sample locations
  - Twenty (20) test pits
  - Ten (10) co-located surface water and sediment sample locations
  - Twenty (20) geophysical anomalies

- Location of additional identified onsite structures.

- Horizontal limits of identified wetlands on-site, as marked in the field by TRC.

DELIVERABLES

The following shall be furnished to TRC by the surveyor:

- First Submittal (Initial Survey) – Two (2) paper prints on E-size sheets and an electronic copy either on compact disks (CDs) (2 copies) or a PDF sent by email. Delivery of this submittal shall be two (2) weeks following Notice to Proceed. Please also provide an ARCGIS shape file.

- Second Submittal (Post Investigation Survey, including all information from Initial Survey) - Two (2) paper prints on E-size sheets and an electronic copy either on compact disks (CDs) (2 copies) or a PDF sent by email. Delivery of this submittal shall be two (2) weeks following notice of completion of the investigation. Please also provide an ARCGIS shape file.

- Final Submittal (showing all information required for Initial Survey and Post Investigation Survey) – Revised in response to comments from TRC/NYSDEC on Second Submittal: Three (3) sets of paper prints on E-size sheet and an electronic copy either on compact disks (CDs) (2 copies) or a PDF sent by email. The final prints must be signed, sealed and certified by a licensed New York Land Surveyor. Delivery of this submittal shall be two (2) weeks following receipt of comments on the Second Submittal.

- All surveys and plans must be submitted electronically as an ARCGIS shape file and in AutoCAD, DWG format compatible with AutoCAD Release 2011. Electronic submissions shall be on CD and if necessary, PKZIP will be used to compress the drawing. CDs shall be provided in appropriate cases with a typed label containing the project name, drawing title, surveyor's name and date of survey. All electronic file data shall have appropriate X, Y and Z values consistent with the coordinate system and datums.

Note: Obtain TRC approval of drawing sheet sizes and scales prior to submitting deliverables.

Flanagan, Marc E.

From: Susan M. Anacker <sue@susanmanackerpls.com>
Sent: Tuesday, September 22, 2015 11:09 AM
To: Flanagan, Marc E.
Subject: Re: NYSDEC: Katzman Recycling Site, Granville, Washington County, New York - Price Quotation Request for Land Surveying Services

Marc,
Thank you for the clarifications on the scope.
The lump sum fee for Phase I is $15,395.50, and from start to finish will be 20 business days.
Phase II lump sum fee is $4,703.00, and will be 5 business days, start to finish.
Thank you, again, for the opportunity to submit on this project, and look forward to working with TRC.
Susan Anacker

--

Susan M. Anacker PLS, PLLC

11082 Davis Road East
Deerfield, NY 13502
Phone: (315) 724-6800
Fax: (315) 724-6809

sue@susanmanackerpls.com
www.susanmanackerpls.com

On 9/22/2015 9:02 AM, Flanagan, Marc E. wrote:

> Susan,
>
> Thank you for the return email. Please find my responses to your questions below and feel free to contact me with any additional questions.
>
> Regards,
>
> Marc E. Flanagan
> Project Manager
> MEFlanagan@trcsolutions.com
>
> 10 Maxwell Drive, Suite 200, Clifton Park, New York 12065
> T (Direct): 518.688.3154 | F: 518.348.1194| C: 518.894.1182
>
> Follow us on LinkedIn or Twitter | www.trcsolutions.com

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.

50 Century Hill Drive, Latham, NY 12110
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com

September 14, 2015

Mr. Marc Flanagan
TRC Solutions
10 Maxwell Drive, Suite 200
Clifton Park, New York 12065

Re: Katzman Recycling Site No. 558035
East Church Street
Town of Granville, Washington County, New York
Professional Surveying Services
Request for Proposal

Dear Mr. Flanagan:

C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture, D.P.C. (C.T. Male Associates) is pleased to submit this proposal for boundary and topographic survey and mapping for the Katzman Recycling Project on East Church Street in Granville, New York.

The following scope of services is based on the information contained in an email dated September 9, 2015.

1. SCOPE OF SERVICES

1.1 Preparation of a boundary survey of Tax Map Parcel No. 126.-1-26 in accordance with the existing Code of Practice of the New York State Association of Professional Land Surveyors.

1.2 Establish horizontal and vertical control. Horizontal datum will be based on the New York State Plane Coordinate System, East Zone, North American Datum of 1983 and vertical datum is based on NAVD 88.

1.3 Topographic features will be shown at 1-foot contour intervals.

1.4 The survey will show all existing utilities and planimetric features within 100 feet of the boundary lines, including bodies of water, wetlands and limits of forested areas.

1.5 Underground utilities will be shown on the plan as located in the field; size, type, and depth will be obtained from visual observations. Exiting utility records and mark out by TRC.

1.6 Locate newly installed monitoring wells, soil boring, probe locations, soil samples, test pits surface water and sediment samples and geophysical anomalies; approximately 200 locations.

1.7 Locate wetland flags identified and flagged by TRC.

1.8 Mapping will be prepared using AutoCAD Release 2011. First submittal: two (2) paper prints on E-size sheets and a digital file of the survey. Second submittal: : two (2) paper prints on E-size sheets and a digital file of the survey. Third submittal: three (3) paper prints, (2) PDF's, signed and sealed and shape files along with field data files. Sheet size and scale will be approved by TRC prior to mapping.

2. SCHEDULE OF PERFORMANCE

2.1 Field survey can start within approximately one (1) week from receipt of authorization (i.e., article 4.1.1) to proceed.

2.2 Project will be completed within approximately two (2) weeks from final comments.

3. FEE

3.1 The lump sum fee for the above described scope of services is $**27,995.**

3.2 The fee is valid 90 days from the date of this letter.

4. CLIENT SHALL SUPPLY

4.1 If this proposal is acceptable, the Client shall submit the following to C.T. Male Associates prior to commencement of work:

4.1.1 C.T. Male Associates signed Contract Agreement, or Client contract agreement/purchase order stating the scope of services, fees, terms of payment, and stop work conditions.

4.1.2 A retainer in the amount of $5,000.

5. ASSUMPTIONS

5.1 Client shall arrange for access to the site and the above mentioned adjacent properties.

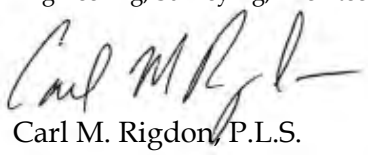
5.2 Client shall provide sketches of wetland flags layout.

5.3 Client shall call One Call NY for markout of utilities.

Thank you for contacting C.T. Male Associates. We look forward to this opportunity of working with you. If you have any questions or need additional information, please contact me at 518.786.7619 or c.rigdon@ctmale.com.

Respectfully submitted,

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture & Landscape Architecture, D.P.C



Carl M. Rigdon, P.L.S.
Project Surveyor

September 15, 2015

Mr. Marc E. Flanagan
TRC Solutions
10 Maxwell Drive Suite 200
Clifton Park, NY 12065

Re: Proposal for Survey and Mapping
Katzman Recycling site
Village of Granville, Washington County, NY

Dear Mr. Flanagan:

M.J. Engineering and Land Surveying, P.C. (MJ) is pleased to submit this proposal for survey and mapping services in support of your remedial investigation and feasibility study of the Katzman Recycling Site located on County Route 26 in the Village of Granville, Washington County, NY.

Work to be completed by MJ

Mobilization 1

Under the first mobilization MJ will collect data by ground survey within the limit outline in red on the attached sketch. The area is comprised of approximately 20 acres.

Horizontal coordinates will be reported in New York State Plane Coordinates, Eastern Zone on the North American Datum of 1983. Elevations will be tied to the North American Vertical Datum of 1988.

A minimum of three horizontal control baseline points and two benchmarks will be established on site. Baseline ties and benchmark descriptions sufficient to allow recovery for future design and construction activities will be included in the mapping file.

MJ will process the data and prepare a basemap at a scale 1" = 40' showing planimetric and topographic features within the requested limit. Features to be portrayed in the mapping include:

- Ground surface elevation contours at 1.0-foot increments.
- Above ground utilities; marked out underground utilities and underground utilities identified from records provided TRC.
- Locations and dimensions of on-site structures (including the incinerator and pole barn).

- Fences and gates with heights annotated.
- The limits of all ground surface coverings (e.g., concrete, asphalt, landscaping, gravel, stone, crops, etc.). Also the locations and extent of large debris and large debris piles. The type of each ground covering shall be annotated.
- Drainage structures and dry wells including elevations of tops of grates and manhole covers, diameters of pipes and elevations of pipe inverts where accessible from ground surface.
- Utility poles, light poles and traffic signs (pole numbers shall be shown).
- Culverts and headwalls, including pipe diameters and invert elevations.
- Roads, driveways, and access paths.
- Location of all surface water bodies including ponds, streams and wetlands, and limits of forested areas.

A property boundary survey will be prepared showing the boundaries of the site and the limits of adjoining parcels within one hundred feet of the site in all directions. The survey shall clearly indicate block and lot numbers and show property boundaries, noting current owners and addresses of individuals which have access, use and ownership rights, for properties, easements, rights of way, and any rights of access and use within the area of the survey.

Deliverables will consist of a 2 paper prints and digital mapping file of the boundary survey and of the topographic survey signed and sealed by a land surveyor licensed to practice in the State of New York. The digital mapping files will be provided in AutoCad, dwg format compatible with Autocad Release 2011 together with a pdf of each map and an ARCGIS shape file.

Mobilization 2

Under the second mobilization, following the completion of RI field activities, data will be collected by ground survey and the initial topographic survey map will be revised to show the following additional items to be identified on a figure prepared by TRC showing their approximate location:

- Newly installed monitoring wells (anticipate nineteen (19), including for each, the location (coordinates) and ground surface elevation, top of protective casing elevation (stick up), and top of PVC riser elevation. The surveyor will use the well identification numbers that will be provided by TRC.
- The location (coordinates) and ground surface elevation for approximately:

- Twenty-five (25) direct-push soil borings
- Twenty (20) multi-interface probe locations
- Seventy-five (75) surface soil sample locations
- Twenty (20) test pits
- Ten (10) co-located surface water and sediment sample locations
- Twenty (20) geophysical anomalies

- Location of additional identified onsite structures.
- Horizontal limits of identified wetlands on-site, as marked in the field by TRC

Deliverables will consist of a 2 paper prints and digital mapping file of the boundary survey and of the topographic survey signed and sealed by a land surveyor licensed to practice in the State of New York. The digital mapping files will be provided in AutoCad, dwg format compatible with Autocad Release 2011 together with a pdf of each map and an ARCGIS shape file.

Assumptions

MJ field crews will have free and clear access to the site in order to collect required data.

Schedule

The submittal of mapping prepared under Mobilization 1 will be made two weeks following the latter of either successful execution of the subconsultant agreement or receipt of written authorization to proceed barring any circumstances beyond the control of MJ.

The submittal of mapping prepared under Mobilization 2 will be made two weeks following the latter of either the receipt of written notice of the completion of the site investigation or receipt of the figure showing the approximate locations of wells, borings, probes, samples, test pits, sediment samples, geophysical anomalies, additional onsite structures and delineated wetlands barring any circumstances beyond the control of MJ.

A final submittal of all information required for both mobilizations, revised in response to comments from TRC/NYSDEC will be made two weeks following receipt of the final comment received.

Remuneration

MJ's proposes to complete the above listed services under mobilization one for a lump sum fee of seventeen thousand five hundred dollars ($17,500).

MJ's proposes to complete the above listed services under mobilization two for a lump sum fee of seven thousand dollars ($7,000).

Please feel free to contact Joseph Malinowski at 518-371-0799 should you need additional information.

Sincerely,

Michael D. Panichelli, P.E.
President

Flanagan, Marc E.

From: bzick@shumakerengineering.com
Sent: Monday, September 14, 2015 3:25 PM
To: Flanagan, Marc E.
Subject: RE: NYSDEC: Katzman Recycling Site, Granville, Washington County, New York - Price Quotation Request for Land Surveying Services

Marc:

We have decided not to provide a quote for this project. Please include us on future opportunities.

Thank you,
Brian

Brian J. Zick, L.S.
Shumaker Consulting Engineering & Land Surveying, D. P.C.
Phone (607) 798-8081 Ex.312

From: Flanagan, Marc E. [mailto:MEFlanagan@trcsolutions.com]
Sent: Wednesday, September 09, 2015 9:53 PM
To: Brian Zick
Subject: NYSDEC: Katzman Recycling Site, Granville, Washington County, New York - Price Quotation Request for Land Surveying Services

Good evening Brian,

TRC Engineers, Inc. (TRC) is requesting pricing for land surveying services for a Remedial Investigation (RI) and Feasibility Study (FS) under D&B/TRC's Standby Engineering Contract No. D007620 with the New York State Department of Environmental Conservation (NYSDEC). The Katzman Recycling Site occupies an area of approximately twenty (20) acres near the intersection of County Route 26 and U.S. Route 22, south of the Village of Granville, Washington County, New York (see attached Site Plan).

The required scope of work and requested deliverables are presented below. In addition to providing a cost for the scope detailed below, TRC also requests that you provide with your response an estimated number of days required to complete each phase of the survey.

The selected surveyor will be required to enter into an agreement with TRC for this project, will be required to accept the terms and conditions of the agreement (attached) and provide TRC with the proper insurance documentation (including, but not limited to, General Liability and Worker's Compensation insurance naming TRC Engineers, Inc., Dvirka and Bartilucci Consulting Engineers, The State of New York, and New York State Department of Environmental Conservation as Additional Insured).

Please provide a lump sum cost for services. All prices shall be all inclusive and include all taxes.

Please email me with any questions you may have on the scope of work.

We ask for receipt of your response by close of business, **Tuesday September 15, 2015**. Please provide a response even if you are not interested in providing a quote for the work. Thank you for your attention to this matter and we look forward to hearing back from you.

Thew Associates
LAND SURVEYORS

September 21, 2015

Mr. Marc Flanagan
TRC Engineers, Inc.
10 Maxwell Drive, Suite 200
Clifton Park, New York 12065

Telephone: 518.688.3154
Facsimile: 518.348.1194
MEFlanagan@trcsolutions.com

Re: Topographic and Boundary Retracement Surveying and Mapping
Katzman Recycling Site – NYS DEC Site No. 558035
Village of Granville, Washington County, New York
THEW File No. UK998-5055-09-15

Dear Marc:

Thank you for the opportunity to submit a proposal for this project. In response to your email dated September 9, 2015, the following items are attached.

- EXHIBIT A - Scope of Services
- EXHIBIT B - Fee Schedule, Total Estimated Cost, and Lump Sum Fee

Thew Associates PE-LS, PLLC will initiate the Scope of Services described in EXHIBIT A, in accordance with the Fee Schedule listed in EXHIBIT B, upon receipt of a Subcontract Agreement with EXHIBITS to:

Thew Associates PE-LS, PLLC
PO Box 463
6431 US Highway 11
Canton, New York 13617

We look forward to working with you on this project.

Respectfully,

Robert H. Korosec, PLS
Operations Manager
rkorosec@thewassociates.com

RHK/JST/rhk

Attachments

EXHIBIT A

SCOPE OF SERVICES

TRC Engineers, Inc. (TRC) has a standby engineering contract with the New York State Department of Environmental Conservation (DEC) and has been requested by the DEC to perform a Remedial Investigation (RI) and Feasibility Study (FS) at the Katzman Recycling facility located in Granville, New York.

The 20-acre site is located on the southeasterly side of County Route 26, is improved with an incinerator and has stock piles of recyclable materials. The majority of the site is wooded, and is bounded northerly by County Route 26, a commercial property, and agricultural fields, easterly by the Delaware-and Hudson Rail-Trail, southerly by abandoned agricultural fields, and westerly by a commercial property.

In support of the RI and FS, TRC requires a topographic and boundary retracement surveying and mapping of the 20-acre site and extend 100 feet beyond the parcel boundaries.

TRC has requested the work to be performed in two phases.

Phase 1 includes performing the topographic and boundary retracement surveying and mapping, while Phase 2 will be performed after the remedial investigation has been completed and will require locating and obtaining elevations of the following:

- 19 monitor wells
- 25 direct push soil borings
- 20 multi-surface probe locations
- 75 surface soil samples
- 20 test pits
- 10 co-located surface water and sediment sample locations
- 20 geophysical anomalies
- Limits of wetlands (to be marked by others)
- Additional on-site structures identified by TRC

The Phase 1 mapping will be submitted prior to performing the Phase 2 work, and will be subsequently updated to include the Phase 2 features.

Specifically, Thew Associates PE-LS, PLLC (THEW) will perform the following:

A. Phase 1 Field Survey

1. The survey will meet or exceed the minimum positional tolerances as promulgated by the 2011 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys.
2. Reference the survey horizontally to the North American Datum of 1983 (NAD83) projected on the New York State Plane Coordinate System (East Zone), and vertically to the North American Vertical Datum of 1988 (NAVD88). Static GPS surveying techniques will be utilized to establish horizontal and vertical control at the project site.
3. Perform the requisite research in the Washington County Clerk's Office to obtain copies of the deed of the subject parcel and any necessary adjoining or adjacent parcels, and obtain any filed maps that may be pertinent to resolving the boundary lines of the surveyed parcel.
4. Perform a search to identify any recorded or known encumbrances (i.e. right-of-ways and easements) that may affect or benefit the surveyed parcel.

5. Locate the requisite physical boundary evidence (e.g. irons, fences, stonewalls, and hedgerows) necessary to re-establish the property lines.
6. Where no monumentation exists, set 5/8-inch x 30-inch long rebar at property corners.
7. Obtain spot elevations at each intersection of a 50-foot square grid, or of a density sufficient to generate contours at one-foot intervals.
8. Obtain spot elevations at 50-foot intervals, on edge, center, and far edge of pavement.
9. Obtain spot elevations at breaks in grade.
10. Obtain spot elevations at each existing building corner within the survey area.
11. Determine the finished floor elevation at each building entrance.
12. Locate visible improvements and natural features (e.g. buildings, concrete pads and structures, retaining walls, paved areas, curbs, sidewalks, fences, trees, and drainage courses).
13. Locate surficial evidence of above grade and subsurface utilities (e.g. manholes, catch basins, trench drains, clean outs, outfalls, valves, meters, poles, vaults, electrical pull boxes, junction boxes, conduits, well casings, tracer wires, utility markers, markings, and pavement cuts).
14. Determine the size, and direction of flow of sanitary sewers, combination sewers, storm drains and culverts within the survey area. Measure the invert elevations to the nearest 0.05 feet.
15. Locate and determine the ground, top of protective casing, and top of inner casing elevations of existing monitor wells.
16. Establish three semi-permanent on-site benchmarks. The elevations will be determined to the nearest 0.01 feet.

B. Phase 1 Mapping

1. The topographic and boundary retracement surveying and mapping will be generated in an AutoCAD (Release 2014) environment utilizing Civil 3D surveying and engineering software, adhering to the following map generation criteria.
    a. Drawing sheets shall be 34 inches by 44 inches with left binding edge being 0.5 inches and 0.5-inch borders.
    b. Drawing scale will be 1-inch = 40 feet.
    c. Include legend of symbols and abbreviations used on the mapping.
    d. Show the length and bearing of each straight line.
    e. Show the central angle, radius, chord bearing, length of chord, and length of curved lines.
    f. Show distances from the closest building corner to the nearest property line. Distances will be shown to the nearest 0.1 feet.
    g. Show the area of the property to the nearest 0.001 acres.
    h. Show recorded or otherwise known easements and rights-of-way; state owner of each.
    i. Note the width and name of streets and highways adjacent to the property.
    j. Provide the names of owners and the respective deed reference of adjacent properties.
    k. Show spot elevations on paving or other hard surfaces to the nearest .05 feet and on other surfaces to the nearest 0.1 feet.
    l. Show contours at one-foot intervals. The error will not exceed one-half the contour interval.

m. Show the location of improvements and natural features (e.g. buildings, concrete pads and structures, retaining walls, paved areas, curbs, sidewalks, fences, trees, and drainage courses).

n. Show the location of above grade and subsurface utilities (e.g. manholes, catch basins, trench drains, clean outs, outfalls, valves, meters, poles, vaults, electrical pull boxes, junction boxes, conduits, well casings, tracer wires, utility markers, markings, and pavement cuts). Show the elevation of manhole and catch basin rims to the nearest 0.05 feet.

o. Show the location, size, and direction of flow of sanitary sewers, combination sewers, storm drains, and culverts. Show invert elevations to the nearest 0.05 feet.

p. Where not readily apparent, surveyor will show approximate locations of underground utilities as determined from existing maps and parole evidence.

q. Surveyor will not certify to depth and actual location of underground utilities unless locations can be physically measured.

r. Reference to maps or other documents used in preparation of the survey will be noted on the mapping.

B. Phase 2 Field Survey

1. Locate and obtain the ground, top of protective casing, and top of PVC riser elevations of 19 monitor wells.
2. Locate and obtain the ground elevation of 25 direct-push soil borings.
3. Locate and obtain the ground elevation of 20 multi-interface probe locations.
4. Locate and obtain the ground elevation of 75 surface soil sample locations.
5. Locate and obtain the ground elevation of each corner of 20 test pits.
6. Locate and obtain the ground (or water) elevation of 10 co-located surface water and sediment sample locations.
7. Locate and obtain the ground elevation of 20 geophysical anomalies.
8. Locate wetland flag locations and note the flag identifier.
9. Locate and determine the ground elevation of additional on-site structures as requested by representatives of TRC.

C. Phase 2 Mapping

1. Update the Phase 1 mapping to include the following:

   a. Show the location and note the ground, top of protective casing, and top of PVC riser of each monitor well. The ground elevation will be shown nearest .05 feet and the outer and riser pipe to the nearest 0.01 feet.

   b. Show the location and note the ground elevation of each direct-push soil boring, multi-interface probe, surface soil sample, test pit, co-located surface water and sediment sample, and geophysical anomaly.

   c. Show the wetland limits and flag identifier.

   d. Show additional on-site structures or features as specified by representatives of TRC.

D. Deliverables

1. Provide paper plots of the topographic and boundary retracement mapping, as requested by representatives of TRC.
2. Provide the topographic and boundary retracement mapping in AutoCAD.DWG, ESRI.SHP, Adobe.PDF file formats.

E. Client Requirements

1. Coordinate site access.
2. Provide a sketch showing the location of monitor wells, soil borings, etc. and wetland flagging.

F. Project Schedule

THEW can commence work on this project within five days of receiving authorization to proceed. The Phase 1 mapping will be submitted within 21 days of receiving authorization to proceed, while The Phase 2 mapping will be submitted within three business days of completing the Phase II field survey.

The Phase 1 field survey will require 10 days to complete, while the Phase 2 field survey will require three days to complete.

EXHIBIT B

FEE SCHEDULE

Service	*Estimated Quantity*	*Unit Fee*	*Total Cost*
Tasks			
Topographic, Utility, and Boundary Retracement Surveying and Mapping *Includes labor and expenses to perform document research, field surveys, and survey computations, and prepare the mapping*	1	$ 25,750.00 lump sum	$25,750.00
		Total Estimated Cost	***$25,750.00***
Lump Sum Fee $25,750			

September 22, 2015

TRC Engineers, Inc.
10 Maxwell Drive, Suite 200
Clifton Park, New York 12065

Attention: Mr. Marc E. Flanagan, PM

SUBJECT: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING SITE NO: 558035
GRANVILLE, NEW YORK
PROFESSIONAL SURVEYING SERVICES

Dear Mr. Flanagan,

We are pleased to submit this proposal for professional surveying services associated with the project referenced above.

If this proposal is acceptable to you, this agreement is by and between Wendel WD Architecture, Engineering, Surveying & Landscape Architecture, P.C. (Wendel) and TRC Engineers, Inc (TRC). Wendel shall provide professional services on the project referenced above, the extent of which may be generally described as surveying and mapping services. The scope of services and basis of this contract shall be provided in compliance with the Scope of Work provided by TRC (Exhibit 'A' attached hereto) to include the following assumptions:

ASSUMPTIONS:

1. Work will be performed under the direct supervision of a New York State Licensed Land Surveyor.
2. Prevailing Wage Rates as adopted by the New York State Labor Department will "not" apply to this project.
3. Property lines, easements and rights-of-way will be surveyed and shown from current deeds of record and available mapping obtained by Wendel.
4. Property lines as determined by Wendel will be shown on the topographic survey only, a separate boundary survey map will not be provided.
5. Fees associated with obtaining and/or review of a Title Search are not included in this scope of services.
6. Utilities will be shown from visible field evidence and information provided by TRC.
7. Costs associated with site specific safety training and/or personal health examinations are "not" incorporated into these fees.

SCHEDULE:

The following estimated schedules of submittals are provided as a guide that can be affected by various unforeseen circumstances (i.e. site access, weather conditions, etc.)

NYSDEC- Katzman Recycling Site No: 558035
Granville, New York
Professional Surveying Services
September 22, 2015

Phase 1 - Initial survey to include Property Boundary Survey and Topographic Survey:

- 4-5 weeks from notice to proceed

Phase 2 - Second survey to be completed at completion of the Remedial Investigation field activities:

- 2-3 weeks from notice to proceed

FEES:

The services described above shall be provided for a Lump Fee of $30,500.00, which includes expenses as noted, in accordance with the terms and conditions of this Agreement which includes Appendix A (General Conditions for Surveying Services).

EXPENSES:

The following reimbursable expenses will be billed at cost and are in addition to the above fees:

A. Expense of copies of drawings, and reports prepared in connection with the work of this contract.
B. Cost of postage and shipping expenses via first class mail.
C. Private and company-owned automobile travel at $0.585 per mile.
D. Mobilization and equipment costs.

REIMBURSABLE EXPENSES:

The following reimbursable expenses will be billed at cost and are in addition to the above fees:

A. Expedited Delivery Charges.
B. Additional utility research.
C. Review and mapping efforts relative to obtaining and review of a Title Search.
D. Additional field and mapping efforts outside of the limits noted in the Scope of Work provided.
E. Site specific safety training and/or personal health examinations if required.

REVOCATION:

This proposal shall be considered revoked if acceptance is not received within forty-five (45) days of the date hereof.

Wendel would be pleased to provide additional professional services related to this project.

Should the scope of services extend beyond those referenced above Wendel and TRC would enter into a separate agreement for such additional services. Upon receipt of written authorization to proceed we will begin work, with anticipated completion to meet your schedule as needed.

NYSDEC- Katzman Recycling Site No: 558035
Granville, New York
Professional Surveying Services
September 22, 2015

We would be please to answer questions you may have or to clarify the various points above. If this proposal is acceptable to you, please indicate your acceptance by signing below and returning one fully executed copy to office.

We appreciate the opportunity to provide you with this information and look forward to assisting you with the successful completion of this project.

Sincerely,

WENDEL

Marshall D. Wilson

Marshall D. Wilson, P.L.S., PMP
Project Manager

Should Wendel's proposal be accepted, Wendel WD Architecture, Engineering, Surveying and Landscape Architecture, P.C., a New York State licensed architecture & engineering firm that is part of a consolidated group of Wendel Companies, will contract to undertake the work. Our letterhead and plans will still prominently say "Wendel" and we will refer to ourselves as Wendel throughout the project.

ACCEPTANCE / AUTHORIZATION:

Accepted this _____ day of _____, 2015

Print Name: _____

Signature: _____

Title: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

Contract/WA No. D007620-24 Site/Spill Number 5-58-035

Site/Spill Name Katzman Recycling

NOTE: Standby Contractor must obtain DER approval prior to executing and submitting subcontract.

Check the appropriate box and complete the chart below:

Standby Subcontractors

☐ Standby cost-plus-fixed-fee subconsultant/subcontractor selected on rotational basis.

☐ Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)

☐ Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

Non-Standby Subcontractors

For non-standby unit-price or lump-sum subcontracting work, obtain the necessary number of quotes and complete the chart below:

☑ Total estimated costs are less than $10,000; three responsive quotes must be obtained (verbal is allowed).

☐ Total estimated costs range from $10,000 to $20,000; three **written** responsive quotes must be obtained and attached.

☐ Total estimated costs are over $20,000; five **written** responsive quotes must be obtained and attached.

Note: If unable to obtain a sufficient number of quotes, obtain and attach a minimum of 2 responsive quotes. Attach documentation of attempts made to obtain additional quotes **and** an engineer's estimate to support cost reasonableness.

☐ Usage of an M/WBE firm with estimated costs under $10,000; a comparable quote must be obtained and attached. If unable to obtain a quote, document the attempts made **and** attach an engineer's estimate or other cost comparison to support cost reasonableness.

☐ Single/sole source procurement (must be pre-approved by the DEC CM); attach rationale for selecting subcontractor **and** comparable quotes. If quotes are unavailable the basis for determining cost reasonableness has been provided, using an engineer's estimate or other cost comparisons (e.g. historical costs, pricing guides).

Subcontractor/Subconsultant	*Phone Number*	*Date*	*Price Quote*
Diversified Geophysics, Inc.	(516) 326-0586	9/10/2015	No Bid
Nova Geophysical Services	(347) 556-7787	9/15/2015	$9,250.00
New York Leak Detection, Inc.	(315) 469-4601	9/11/2015	$7,750.00
Utility Survey, Inc.	(518) 465-4000	9/14/2015	No Bid

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract will include all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It includes a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at http://www.wadsworth.org/labservices.htm).

2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.

3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors selected on a WA, a new subcontract certification must be submitted.)

4. For subcontracts in excess (or anticipated to be in excess) of $10,000, the subcontractor submitted an acceptable New York State Vendor Responsibility Questionnaire. Information related to vendor responsibility can be found at http://www.osc.state.ny.us/agencies/gbull/g221.htm

5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises (M/WBE) and Conflict of Interest (COI).

6. The subcontract includes the termination clause required in the prime contract.

7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.

8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insureds on endorsements to the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at http://www.ins.state.ny.us and Best's Rating can be determined at http://www.ambest.com). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) are included as appropriate.

9. In addition to the appropriate insurance certificates, the contractor submitted a copy of the insurance policy provisions pertaining to notification of cancellation (including expiration, termination, or suspension) of such policy.

10. Documentation supporting this certification, including the executed subcontract, is maintained by the Contractor and will be provided within 10 days of any request.

Signature of Contractor's Authorized Representative	9.25.2015 Date
TRC Engineers, Inc. Contractor Name	D007620-24 Contract/WA No.
New York Leak Detection, Inc. Subcontractor Name	

Rev. 06/02/14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO. 558035
DEC CONTRACT/WA NO. D007620-24
GEOPHYSICAL SURVEYING SERVICES
PRICE QUOTATION SUMMARY

	ITEM DESCRIPTION	UNIT	QUANTITY	Diversified Geophysics, Inc.		Nova Geophysical Services		New York Leak Detection, Inc.		Utility Survey, Corp.		TRC Engineers Estimate (1)	
				UNIT PRICE	Extended Cost:	UNIT PRICE	Extended Cost:	UNIT PRICE	Extended Cost:	UNIT PRICE	Extended Cost:	UNIT PRICE	Extended Cost:
1)	Geophysical Surveying Services	Per Day	3	---	No Bid	$2,750	$8,250	$2,584	$7,750.49	----	No Bid	$2,525	$7,575.51
2)	Mobilzation	Lump Sum	1	NA	---	$1,000	$1,000	$0	$0	NA	---	$1,844	$1,844
				Total:	No Bid	**Total:**	$9,250	**Total:**	$7,750	**Total:**	No Bid	**Total:**	$9,420

Notes:
1. TRC Engineers estimated pricing based on bids received for NYSDEC Contract/WA No. D007620-23 - Brillo Landfill that was approved by the Department September 11, 2015 (back-up unit pricing below).

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BRILLO LANDFILL, SITE NO.7-06-013
DEC CONTRACT/WA NO. D007620-23
GEOPHYSICAL SURVEY
PRICE QUOTATION SUMMARY

	ITEM DESCRIPTION	UNIT	QUANTITY	Hager Richter (WBE)		NAEVA GEOPHYSICS		NYLD		Utility Survey Corp.		*Average Unit Rate*
				UNIT PRICE	Extended Cost:	UNIT PRICE	Extended Cost:	UNIT PRICE	Extended Cost:	UNIT PRICE	Extended Cost:	UNIT PRICE
1)	Mobilization-Demobilization	LUMP SUM	1	$ 2,430.00	$ 2,430.00	$ 1,258.00	$ 1,258.00	$ -	$ -	No Bid	---	$ 1,844.00
2)	Per Diems	Day	5	$ 500.00	$ 2,500.00	$ -	$ -	$ -	$ -	No Bid	---	$ -
3)	Geophysical Survey Services	Day	5	$ 3,495.00	$ 17,475.00	$ 2,143.00	$ 10,715.00	$ 1,937.50	$ 9,687.50	No Bid	---	$ 2,525.17
4)	Reporting	EACH	1	$ -	$ -	$ 630.00	$ 630.00	$ -	$ -	No Bid	---	$ -
				Total:	$ 22,405.00	**Total:**	$ 12,603.00	**Total:**	$ 9,687.50	**Total:**	No Bid	**Total:**

Scope of Work

Flanagan, Marc E.

From: Flanagan, Marc E.
Sent: Wednesday, September 09, 2015 10:48 PM
To: 'Andrew.Silver@diversifiedgeophysics.com'
Subject: NYSDEC: Katzman Recycling Site, Granville, Washington County, New York - Price Quotation Request for Geophysical Surveying Services
Attachments: KATZMAN_.PDF; Contract Terms and Conditions.pdf

Good Evening Andrew,

TRC Engineers, Inc. (TRC), on behalf of the New York State Department of Environmental Conservation (NYSDEC), is requesting that your firm provide a price quotation for geophysical surveying services to identify subsurface anomalies (tanks, drums, debris, etc.) and determine the limits of encountered underground debris at the Katzman Recycling Site. The Site occupies an area of approximately 20 acres near the intersection of County Route 26 and U.S. Route 22, south of the Village of Granville, Washington County, New York. The geophysical survey will focus primarily on an investigation area of approximately ten (10) acres (see attached Figure 1). At a minimum, the surveyor should use both Ground Penetrating Radar(GPR) and a Multi-Frequency Electo-Magnetic induction tool (similar to the Profiler ™ EMP 400) to perform the survey. The work will likely be executed during September/October 2015.

Each anomaly detected in the subsurface shall be identified on the ground surface by marking the limits with pin-flags. Results of the geophysical survey will be reviewed in the field between TRC and the geophysical surveyor the same day the service is provided (estimated three (3) 10-hour field days for completion).

Results shall also be summarized in a brief geophysical survey report and submitted to TRC.

The selected geophysical surveyor will be required to enter into an agreement with TRC for this project and will be required to accept the terms and conditions of the agreement (attached) and provide TRC with the proper insurance documentation (General Liability and Worker's Compensation insurance naming TRC Engineers, Inc., Dvirka and Bartilucci Consulting Engineers, The State of New York, and New York State Department of Environmental Conservation as Additional Insured).

Please provide a daily cost for geophysical services. One day shall be ten (10) hours of geophysical field survey work. All prices shall be all inclusive and include all taxes. As indicated above we anticipate three (3) days for completion of the field work however the contractor will be paid based on the actual number of field days worked.

Please email with any questions on the above approach.

We ask for receipt of your response by **COB September 15, 2015**. Please provide a response even if you are not interested in providing a quote for the work. Thank you for your attention to this matter and we look forward to hearing back from you.

Regards,

Marc E. Flanagan
Project Manager
MEFlanagan@trcsolutions.com

Flanagan, Marc E.

From: Andrew.Silver@diversifiedgeophysics.com
Sent: Thursday, September 10, 2015 6:19 AM
To: Flanagan, Marc E.
Subject: Re: NYSDEC: Katzman Recycling Site, Granville, Washington County, New York - Price Quotation Request for Geophysical Surveying Services

Hello Marc,

Good to hear from you.

I appreciate the consideration of our firm for this project work, however, I will have to respectfully decline the request to provide a quote.

Currently, we are booked through the end of October and we do not have the resources or equipment (EMP 400) to entertain the work. My apologies.

Again, thank you for including us on your slate of geophysical surveyors.

Please contact me with any questions or concerns.

Andy

Andrew D. Silver
Vice President/Engineering Geologist
Diversified Geophysics, Inc.
516.326.0586 office
516.507.0693 cell

Sent from my iPhone

On Sep 9, 2015, at 10:48 PM, Flanagan, Marc E. <MEFlanagan@trcsolutions.com> wrote:

> Good Evening Andrew,
>
> TRC Engineers, Inc. (TRC), on behalf of the New York State Department of Environmental Conservation (NYSDEC), is requesting that your firm provide a price quotation for geophysical surveying services to identify subsurface anomalies (tanks, drums, debris, etc.) and determine the limits of encountered underground debris at the Katzman Recycling Site. The Site occupies an area of approximately 20 acres near the intersection of County Route 26 and U.S. Route 22, south of the Village of Granville, Washington County, New York. The geophysical survey will focus primarily on an investigation area of approximately ten (10) acres (see attached Figure 1). At a minimum, the surveyor should use both Ground Penetrating Radar(GPR) and a Multi-Frequency Electo-Magnetic induction tool (similar to the Profiler ™ EMP 400) to perform the survey. The work will likely be executed during September/October 2015.

NOVA GEOPHYSICAL SERVICES

Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765, Douglaston, NY 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.nova-gsi.com

September 15, 2015

Marc E. Flanagan Project Manager

10 Maxwell Drive, Suite 200
Clifton Park, New York 12065
T (Direct): 518.688.3154
F: 518.348.1194
C: 518.894.1182

Re: Proposal to perform Geophysical Engineering Surveys (GES)
Katzman Recycling Site,
Granville, Washington County, New York

Dear Mr. Flanagan

Nova Geophysical Services (NOVA) is pleased to present you with a scope of work and cost estimate to provide Geophysical Engineering Surveys (GES) at Katzman Recycling site located at Granville, Washington County, New York (The "Site"). The Site occupies an area of approximately 20 acres near the intersection of County Route 26 and U.S. Route 22, south of the Village of Granville, Washington County, New York.

SCOPE OF WORK

NOVA will provide labor, equipment and necessary materials to perform Geophysical engineering surveys (GES). The geophysical survey will focus primarily on an investigation area of approximately ten (10) acres. Specifically, Nova will perform the following task (s):

- Nova will conduct Geophysical-engineering surveys to identify subsurface anomalies (tanks, drums, debris, etc.) and determine the limits of encountered underground debris at the Katzman Recycling Site.
- Nova will conduct Geophysical-engineering surveys to identify anomalies indicative of potential petroleum storage tanks (USTs) that maybe located within the vicinity of the proposed boring area (s).
- Nova will prepare a report and a site survey map summarizing field findings including annotated data locating utilities, anomalies and other abnormalities.

GEOPHYSICAL METHODS & APPROACH

- NOVA will perform electromagnetic (EM) and a Multi-Frequency Electo-Magnetic surveys utilizing the Profiler ™ EMP 400 to identify drums , tanks, debris, tires and etc.

- NOVA will perform Comprehensive Utility Locating survey (CULS) to identify any current or former utilities or other embedded conduits that maybe located at the project area.

- NOVA will perform Noggin's and Mala's GPR with 250 MHz to 350 MHz antennas to identify anomalies, USTs, and other abnormalities that maybe located at the project area approximately twenty (20') feet belowground surface.

A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz to 350 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

COST ESTIMATE

Nova will provide two (2) senior Geophysicists to provide geophysical engineering services as described above.

1.	Mobilization	$1,000.00
2.	GPR & EMI Survey ($2,750/day)	$2,750.00
3.	Report & Site Plan (map)	Included

We hope that this proposal will meet your needs and look forward to working with you on this project to satisfactory completion. We trust that you find this proposal acceptable and indicate so by signing in the space provided below. If you have any questions or need additional information, please contact us at 347-556-7787 or email us at info@nova-gsi.com.

NOTES

- All applicable sales taxes are included
- Client must provide NOVA with complete access to all necessary portions of the properties for the duration of all field work.

PAYMENT TERM

The payment terms are as follows:

- TRC's Terms and Conditions.

Please return a signed copy of this proposal to confirm your authorization to proceed. NOVA appreciates the opportunity to provide these services. If you have any questions concerning the scope of work outlined in this proposal, please contact us
Sincerely,

NOVA Geophysical Services

Levent Eskicakit, P.G., E.P.
Project Engineer

AUTHORIZED BY: _____

NAME

_____

SIGNATURE

_____

TITLE

_____

DATE

NYLD
INFRASTRUCTURE
New York Leak Detection, Inc.

September 11, 2015

Mark Flanagan
TRC Environmental
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
518-688-3154
meflanagan@trcsolutions.com

Re: GPR/Utility Location Proposal
Katzman Recycling Site, Granville, NY

Dear Mr. Flanagan:

New York Leak Detection, Inc. (hereafter referred to as NYLD) is a professional and technical service company that offers **utility location services, survey grade utility mapping, ground penetrating radar, water leak detection, fire flow testing, video pipe inspection, and data logging** under one roof.

All crossover technologies are maximized to ensure the highest degree of accuracy on all location projects. Project Management is coordinated by Michael Goodfellow, President and Owner of NYLD. Our experienced Subsurface Specialists will complete the survey work within the project schedule.

NYLD is pleased to submit this proposal to perform geophysical surveying services to identify subsurface anomalies (tanks, drums, debris, etc.) and determine the limits of encountered underground debris at the Katzman Recycling Site. The Site occupies an area of approximately 20 acres near the intersection of County Route 26 and U.S. Route 22, south of the Village of Granville, Washington County, New York. The geophysical survey will focus primarily on an investigation area of approximately ten (10) acres (see attached Figure 1). NYLD will perform the survey using Ground Penetrating Radar and Profiler EMP-400 (electromagnetic induction) plus all other subsurface location technologies. Services will be provided for a total estimated cost of $7,750.00 (this cost assumes 3 10-hour field days and office time to compile the required reporting).

NYLD must be provided access to buildings as needed to complete the work. The site must be cleared of brush and debris prior to NYLD arrival to allow the equipment to pass over the area of work.

Deliverables: NYLD will mark locations on site using paint and/or flags and provide a written report. The written report will include a satellite image with utilities overlaid (not to scale) if applicable. If additional deliverables are required, please advise NYLD prior to service. Additional deliverables may affect quote.

NYLD is not responsible for adhering to contract documents not presented prior to service start date.

***Estimate only – NYLD has calculated costs based on the information and maps provided by the customer. Final billing will be made using actual days on site, multiplied by the day rate. The actual quantities may vary from those given depending on several factors beyond NYLD's control. If during the execution of the work, NYLD anticipates changes which would impact the estimated cost, NYLD will estimate the additional service and contemporaneously seek the customer's authorization of the changes.**

Ground penetrating radar and M-scope services will include locating and determining the type of documented/undocumented underground utilities and their structures within the site including all "in use" and "abandoned" facilities. All utilities shown on record plans will be noted as located or unable to be field verified.

NYLD will provide one Subsurface Specialist and all state-of-the-art electronics including: Ground Penetrating Radar 250 MHz (0'-30' depths), 500 MHz (0'-6' depths), 1000 MHz (0'-2' depths), Profiler EMP-400 (electromagnetic induction sensor), variable wattage magnetometers, video inspection with locatable heads, computerized electronic acoustic leak locators, 350' fiberglass rods with sonde transmitters (15' and 40' depth potential), and all necessary support tools.

Surveying and Mapping Equipment include: Leica 780862 R400 Total Station with Power Search & Automatic Target Aiming, Leica 772300 RH15 Radio Handle with Integrated Radio Modem and Radio Antenna, Leica 781600 CS15 3.5G & Radio Field Controller, Leica GNSS Smart Antenna Geodetic 120 channels, and Carlson/AutoCAD 2011 software. Crossover technologies are maximized to ensure the highest degree of accuracy on all location projects.

NYLD INFRASTRUCTURE
New York Leak Detection, Inc.

NYLD's new technology, new service - JD7 Pipeline Assessment Solution. Click for more details.

Thank you for the opportunity to submit this proposal. We are readily available to answer any questions you may have.

Respectfully Submitted,

Michael R. Goodfellow
President

Like us on Facebook

WE ACCEPT VISA MasterCard

KATZMAN_.PDF

Please acknowledge your acceptance of this proposal by signing below and returning to NYLD.

_____ _____
Print Name Date

_____
Signature of Authorized Party

Pricing is valid for 30 days from date of proposal.

Phone (315) 469-4601 • Toll Free (800) 928-4350 • Fax (315) 469-2868
PO Box 269 Jamesville, NY 13078 • www.nyld.com • info@nyld.com

NYLD INFRASTRUCTURE
New York Leak Detection, Inc.

Subsurface Utility Engineering (SUE) Standards

- Quality Level D (QL-D) — involves utility records research and interviews with knowledgeable utility personnel.
- Quality Level C (QL-C) — involves surface survey, identifying and recording aboveground features of subsurface utilities such as manholes, valves and hydrants.
- **Quality Level B (QL-B) — involves application of "surface geophysical methods" such as electromagnetic-based locating instruments, ground penetrating radar, radar tomography, metal detectors and optical instruments to gather and record approximate horizontal (and, in some cases, vertical) positional data.**
- Quality Level A (QL-A) — involves physical exposure via "soft-digging" (vacuum excavation or hand digging) and provides precise horizontal and vertical positional data.

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PO Box 269 Jamesville, NY 13078 • www.nyld.com • info@nyld.com

NYLD
INFRASTRUCTURE
New York Leak Detection, Inc.

Subsurface Limitations

Utility locating is the art and science of using non-intrusive methods to search for, find and mark out buried, unseen conduits or other objects. There are innumerable variables involved in locating underground utilities, such as topography, size and complexity of job site, depth and proximity of buried utilities, above ground obstructions, short turnaround schedules, changes in the scope of work, lack of (or outdated) blueprints and adverse weather conditions.

New York Leak Detection, Inc. (NYLD) has made a substantial financial investment in crossover technologies and training to meet our clients' needs when locating and mapping utilities. However, due to unpredictable factors that may affect the results, NYLD makes no guarantee, expressed or implied, with respect to the completeness or accuracy of the information provided. Any use or reliance on the information or opinion is at the risk of the user and NYLD shall not be liable for any damage or injury arising out of the use or misuse of the information provided.

NYLD strives to provide the highest quality utility location services possible with the technical expertise of our field specialists and state-of-the-art equipment used. Every effort is made to provide our clients with the most accurate information possible without adverse consequences.

NYLD makes no guarantee that all subsurface utilities and obstructions will be detected. GPR signal penetration might not be sufficient to detect all utilities. NYLD is not responsible for detecting subsurface utilities and obstructions that normally cannot be detected by the methods employed or that cannot be detected because of site conditions. NYLD is not responsible for maintaining mark-outs after leaving the work area. Mark-outs made in inclement weather and in high traffic areas may not last. Surveyor assumes responsibility of picking up data on site.

Phone (315) 469-4601 • Toll Free (800) 928-4350 • Fax (315) 469-2868
PO Box 269 Jamesville, NY 13078 • www.nyld.com • info@nyld.com

Flanagan, Marc E.

From: Jessica Kirstein <utilitysurveymarketing@gmail.com>
Sent: Monday, September 14, 2015 4:10 PM
To: Flanagan, Marc E.
Subject: Re: NYSDEC: Katzman Recycling Site, Granville, Washington County, New York - Price Quotation Request for Geophysical Surveying Services

Hi Marc,

This is to inform you that Utility Survey Corp. will not be bidding on this project due to the location and expected duration we think it will take to complete 10 acres compared with the expected duration provided in your RFQ.

Thank you for considering Utility Survey Corp. and we look forward to working with you soon.

Jessica Kirstein
Business Development/Marketing
Utility Survey Corp.

Phone: 845.496.2550 Fax: 845.496.2548
http://www.u-survey.com jessicak@u-survey.com
Download Your Free "5 Assumptions" Report Today

On Mon, Sep 14, 2015 at 4:06 PM, Flanagan, Marc E. <MEFlanagan@trcsolutions.com> wrote:

> Jessica,
>
> Thank you for your voice mail. Do you think you could provide a quick email response indicating that USurvey declines to bid due to location and expected duration? I just was hoping for something for the bid package summary.
>
> Thanks.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

Contract/WA No. D007620-24 Site/Spill Number 5-58-035

Site/Spill Name Katzman Recycling

NOTE: Standby Contractor must obtain DER approval prior to executing and submitting subcontract.

Check the appropriate box and complete the chart below:

Standby Subcontractors

☐ Standby cost-plus-fixed-fee subconsultant/subcontractor selected on rotational basis.

☐ Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)

☑ Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

Non-Standby Subcontractors

For non-standby unit-price or lump-sum subcontracting work, obtain the necessary number of quotes and complete the chart below:

☐ Total estimated costs are less than $10,000; three responsive quotes must be obtained (verbal is allowed).

☐ Total estimated costs range from $10,000 to $20,000; three **written** responsive quotes must be obtained and attached.

☐ Total estimated costs are over $20,000; five **written** responsive quotes must be obtained and attached.

Note: If unable to obtain a sufficient number of quotes, obtain and attach a minimum of 2 responsive quotes. Attach documentation of attempts made to obtain additional quotes **and** an engineer's estimate to support cost reasonableness.

☐ Usage of an M/WBE firm with estimated costs under $10,000; a comparable quote must be obtained and attached. If unable to obtain a quote, document the attempts made **and** attach an engineer's estimate or other cost comparison to support cost reasonableness.

☐ Single/sole source procurement (must be pre-approved by the DEC CM); attach rationale for selecting subcontractor **and** comparable quotes. If quotes are unavailable the basis for determining cost reasonableness has been provided, using an engineer's estimate or other cost comparisons (e.g. historical costs, pricing guides).

Subcontractor/Subconsultant	*Phone Number*	*Date*	*Price Quote*
Aquifer Drilling and Testing, Inc.	(516) 616-6026	9/21/2015	$100,925.29
Aztech Technologies, Inc.	(518) 885-5383	9/15/2015	$79,949.67
Nothnagle Drilling, Inc.	(585) 538-2328	9/21/2015	$72,838.65
Parratt Wolff, Inc.	(315) 437-1429	9/10/2015	$61,079.36
SJB Services, Inc.	(716) 649-8110	9/14/2015	$67,441.75

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract will include all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It includes a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at http://www.wadsworth.org/labservices.htm).

2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.

3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors selected on a WA, a new subcontract certification must be submitted.)

4. For subcontracts in excess (or anticipated to be in excess) of $10,000, the subcontractor submitted an acceptable New York State Vendor Responsibility Questionnaire. Information related to vendor responsibility can be found at http://www.osc.state.ny.us/agencies/gbull/g221.htm

5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises (M/WBE) and Conflict of Interest (COI).

6. The subcontract includes the termination clause required in the prime contract.

7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.

8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insureds on endorsements to the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at http://www.ins.state.ny.us and Best's Rating can be determined at http://www.ambest.com). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) are included as appropriate.

9. In addition to the appropriate insurance certificates, the contractor submitted a copy of the insurance policy provisions pertaining to notification of cancellation (including expiration, termination, or suspension) of such policy.

10. Documentation supporting this certification, including the executed subcontract, is maintained by the Contractor and will be provided within 10 days of any request.

Signature of Contractor's Authorized Representative	Date 9.25.2015
TRC Engineers, Inc.	D007620-24
Contractor Name	Contract/WA No.
Parratt Wolff, Inc.	
Subcontractor Name	

Rev. 06/02/14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYLCING, SITE NO. 558035
DEC CONTRACT/WA NO. D007620-24
DRILLING SERVICES
PRICE QUOTATION

	ITEM DESCRIPTION	UNIT	QUANTITY	AARCO ENVIRONMENTAL SERVICES CORP.		AQUIFER DRILLING AND TESTING, INC.		AZTECH TECHNOLOGIES, INC.		NOTHNAGLE DRILLING, INC.		PARRATT WOLLF, INC.		SJB SERVICES, INC.	
				UNIT COST (1)	EXTENDED COST	UNIT COST (1)	EXTENDED COST	UNIT COST (1)	EXTENDED COST	UNIT COST (1)	EXTENDED COST	UNIT COST (1)	EXTENDED COST	UNIT COST (1)	EXTENDED COST
1	a. Mobilization/Demobilization*	LS	1	---	---	$1,000.00	$1,000.00	$5,372.00	$5,372.00	$8,000.00	$8,000.00	$4,650.00	$4,650.00	$900.00	$900.00
	b. Construction and Removal of Decontamination Pad (Non-Mobile)	LS	1	$500.00	$500.00	$500.00	$500.00	$240.00	$240.00	$850.00	$850.00	$400.00	$400.00	$400.00	$400.00
	c. Well/Boring Set-up (2)	EACH	19	$750.00	$14,250.00	$150.00	$2,850.00	$155.00	$2,945.00	$100.00	$1,900.00	$200.00	$3,800.00	$100.00	$1,900.00
	d. Hydrant Permit*	EACH	1	---	---	$200.00	$200.00	$0.00	$0.00	$2,000.00	$2,000.00	$100.00	$100.00	$200.00	$200.00
	e. Water Usage*	PER 1,000 GALLONS	15	---	---	$100.00	$1,500.00	$5.00	$75.00	$100.00	$1,500.00	$4.00	$60.00	$50.00	$750.00
2	Drilling														
	a. Hollow Stem Auger														
	(1) 0-50 feet in depth														
	c. 4.25-inch ID hollow stem augers	LF	325	$20.00	$6,500.00	$22.00	$7,150.00	$19.00	$6,175.00	$12.00	$3,900.00	$14.00	$4,550.00	$12.00	$3,900.00
	d. 6.25-inch ID hollow stem augers	LF	75	$24.00	$1,800.00	$26.00	$1,950.00	$22.00	$1,650.00	$14.00	$1,050.00	$16.00	$1,200.00	$16.00	$1,200.00
6	Borehole Sampling														
	Split Spoon Sampling														
	(1) 0-50 feet in depth														
	a. 2-inch OD	PER SAMPLE	95	$20.00	$1,900.00	$20.00	$1,900.00	$25.00	$2,375.00	$10.00	$950.00	$20.00	$1,900.00	$6.00	$570.00
8	Well Screen														
	a. Schedule 40 PVC														
	2-inch ID	LF	190	$10.00	$1,900.00	$12.00	$2,280.00	$4.25	$807.50	$15.00	$2,850.00	$8.00	$1,520.00	$14.00	$2,660.00
9	Well Riser														
	a. Schedule 40 PVC														
	2-inch ID	LF	310	$8.00	$2,480.00	$10.00	$3,100.00	$3.75	$1,162.50	$16.00	$4,960.00	$5.00	$1,550.00	$14.00	$4,340.00
10	Well Screen Sand Pack Material (No. 00 to No. 2 size sand)	PER 94 LB BAG	65	$50.00	$3,250.00	$20.00	$1,300.00	$13.60	$884.00	$25.00	$1,625.00	$15.00	$975.00	$18.00	$1,170.00
11	Bentonite														
	b. Granular/Chips	PER 50 LB BAG	26	$25.00	$650.00	$20.00	$520.00	$18.50	$481.00	$28.00	$728.00	$20.00	$520.00	$30.00	$780.00
	c. Powder	PER 50 LB BAG	26	$45.00	$1,170.00	$20.00	$520.00	$18.50	$481.00	$22.00	$572.00	$15.00	$390.00	$30.00	$780.00
12	Grout														
	b. Portland Cement - Type II	PER 94 LB BAG	95	$22.00	$2,090.00	$20.00	$1,900.00	$15.25	$1,448.75	$22.00	$2,090.00	$30.00	$2,850.00	$16.00	$1,520.00
14	b. Above Grade (stick-up)														
	(1) 6-foot protective steel surface casing, with locking cover, drain hole set in a 2-foot by 2-foot cement or concrete pad extending at least 1 foot below ground surface														
	4-inch ID	EACH	13	$275.00	$3,575.00	$275.00	$3,575.00	$170.00	$2,210.00	$175.00	$2,275.00	$200.00	$2,600.00	$150.00	$1,950.00
	6-inch ID	EACH	3	$325.00	$975.00	$325.00	$975.00	$190.00	$570.00	$200.00	$600.00	$250.00	$750.00	$175.00	$525.00
	c. Keyed Alike Locks	EACH	16	$10.00	$160.00	$30.00	$480.00	$16.00	$256.00	$15.00	$240.00	$12.00	$192.00	$15.00	$240.00
15	Containerization of Drilling Material and Staging (on pallets)														
	a. Provide empty, DOT approved, 55-gallon drums with seals, bungs and lids	PER 55-GALLON DRUM	50	$40.00	$2,000.00	$65.00	$3,250.00	$56.00	$2,800.00	$35.00	$1,750.00	$60.00	$3,000.00	$55.00	$2,750.00
	c. Filling, moving (within 0.25 mile of drill site) and staging 55-gallon drums (drill cuttings, drilling fluids, purge water, development water or decontamination water) on pallets.	PER 55-GALLON DRUM	50	$20.00	$1,000.00	$75.00	$3,750.00	$35.00	$1,750.00	$35.00	$1,750.00	$75.00	$3,750.00	$75.00	$3,750.00
16	Well Development														
	b. Pump and Surge (inertial hydrolift pump/includes tubing)	PER HOUR	37	$210.00	$7,770.00	$225.00	$8,325.00	$175.00	$6,475.00	$160.00	$5,920.00	$65.00	$2,405.00	$150.00	$5,550.00
18	Bulldozer (6-foot blade) with Operator for Clearing/Site Access														
	a. Mobilization and demobilization	LS	1	$575.00	$575.00	$950.00	$950.00	$450.00	$450.00	$500.00	$500.00	$500.00	$500.00	$400.00	$400.00
	b. On-site operation	PER HOUR	40	$140.00	$5,600.00	$225.00	$9,000.00	$250.00	$10,000.00	$90.00	$3,600.00	$110.00	$4,400.00	$150.00	$6,000.00
	c. Decontamination between locations	LUMP SUM PER LOCATION	16	$250.00	$4,000.00	$125.00	$2,000.00	$200.00	$3,200.00	$150.00	$2,400.00	$110.00	$1,760.00	$150.00	$2,400.00
19	Backhoe/Excavator with Operator for Test Pit/Trench Excavation														
	a. Mobilization and demobilization	LUMP SUM	1	$650.00	$650.00	$950.00	$950.00	$210.00	$210.00	$500.00	$500.00	$500.00	$500.00	$400.00	$400.00
	c. Tracked (20-foot excavation in depth)	PER HOUR	50	$165.00	$8,250.00	$275.00	$13,750.00	$210.00	$10,500.00	$150.00	$7,500.00	$130.00	$6,500.00	$200.00	$10,000.00
	d. Decontamination between locations	LUMP SUM PER LOCATION	20	$250.00	$5,000.00	$125.00	$2,500.00	$200.00	$4,000.00	$150.00	$3,000.00	$130.00	$2,600.00	$150.00	$3,000.00
21c.	Water hauling - when on-site water is insufficient or unavailable provide additional laborer (excluding driller and helper) and vehicle with minimum 500-gallon capacity to supply potable water	PER DAY	10	$725.00	$7,250.00	$1,800.00	$18,000.00	$775.00	$7,750.00	$250.00	$2,500.00	$250.00	$2,500.00	$100.00	$1,000.00
25	Out of Scope Items														
	a. Min. 10 mil Plastic Sheeting *	PER 2500 SQUARE FEET	20	---	---	$225.00	$4,500.00	$200.00	$4,000.00	$300.00	$6,000.00	$195.00	$3,900.00	$350.00	$7,000.00
				Total:	---	**Total:**	$98,675.00	**Total:**	$78,267.75	**Total:**	$71,510.00	**Total:**	$59,822.00	**Total:**	$66,035.00
				CPI Index Adj.	---	**CPI Index Adj.**	$2,250.29	**CPI Index Adj.**	$1,681.92	**CPI Index Adj.**	$1,328.65	**CPI Index Adj.**	$1,257.36	**CPI Index Adj.**	$1,406.75
				Total:	No Bid	**Total:**	$100,925.29	**Total:**	$79,949.67	**Total:**	$72,838.65	**Total:**	$61,079.36	**Total:**	$67,441.75

Notes:

1. UNIT PRICES MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, SUPPLIES, SERVICES (INCLUDING CLEARING FOR ACCESS), TOOLS, DAILY TRAVEL, APPROPRIATE HEALTH AND SAFETY REQUIREMENTS (ASSUME LEVEL D) , INCIDENTALS, TAXES, ETC. ALL MATERIAL COSTS INCLUDE INSTALLATION.

2. MONITORING WELLS WILL BE INSTALLED AT 16 LOCATIONS; THREE (3) OF THE SIXTEEN LOCATIONS WILL HAVE TWO (2) MONITORING WELLS IN THE SAME BOREHOLE.

3. THE TEMPORARY DECONTAMINATION PAD (NON-MOBILE) SHALL BE CONSTRUCTED SO THAT DECONTAMINATION WATER CAN BE COLLECTED. UNIT PRICE MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES FOR CONSTRUCTION/SETUP AND REMOVAL OF DECONTAMINATION PAD, AND DISPOSAL OF MATERIALS USED TO CONSTRUCT DECONTAMINATION PAD.

3. QUANTITIES ARE ESTIMATES ONLY. ACTUAL AMOUNTS WILL VARY. PAYMENT WILL BE MADE BASED ON UNIT PRICES AND ACTUAL AMOUNTS ONLY.

* NOT ESCALATED INCLUDING ITEM 18a FOR AZTECH TECHNOLOGIES, INC.

Scope of Work

Flanagan, Marc E.

From: Flanagan, Marc E.
Sent: Wednesday, September 09, 2015 10:13 PM
To: 'aquiferjm@aol.com'
Subject: NYSDEC: Katzman Recycling Site, Granville, Washington County, New York - Price Quotation Request for Drilling Services
Attachments: KATZMAN_.PDF; Draft of Katzman Recycling Driller Price Quotation (ADT).xlsx

Good Evening Joe,

TRC Engineers, Inc. (TRC) is requesting pricing for drilling services for a Remedial Investigation (RI) under D&B/TRC's Standby Engineering Contract No. D007620 with the New York State Department of Environmental Conservation (NYSDEC). The Katzman Recycling Site occupies an area of approximately twenty (20) acres near the intersection of County Route 26 and U.S. Route 22, south of the Village of Granville, Washington County, New York (see attached Site Plan).

In 2011 your firm entered into a subcontractor agreement with TRC for drilling services, under D&B/TRC's Standby Engineering Contract No. D007620 with the NYSDEC. Please note that all of the agreed upon units costs in the attached cost schedule include labor and all applicable taxes. The same applies to any new unit prices provided. Please review the attached spreadsheet and confirm that you agree with the quantities and pricing via a reply to this message, with the completed spreadsheet attached to the return email. In addition, provide a lump sum price for mobilization/demobilization and cost for the additional line items on the attached spreadsheet. Also, if any, provide costs for additional items not shown on the attached spreadsheet that would be necessary to complete the work. The estimated cost should be based on work being completed in Level D personal protective equipment (PPE). The work will likely be executed during October/November 2015.

The work will consist of advancing boreholes at sixteen locations and installing nineteen (19) overburden groundwater monitoring wells. Thirteen locations will be advanced using 4.25-inch inside diameter hollow stem augers, and the remaining three (3) locations will be boreholes designated as cluster wells (six (6) wells, a shallow and a deep screened monitoring well if deemed warranted in the field) and will be advanced using 6.25-inch inside diameter hollow stem augers. The boreholes will be advanced to an approximate depth of 25 feet below ground surface (bgs). Soil samples will be collected continuously through the proposed screen interval (10-feet in length) to confirm geology.

The monitoring wells will be installed as two-inch diameter PVC monitoring wells, with ten (10) foot screen lengths using standard well construction techniques. A clean silica sand pack will be installed in the annular space around each well. The sand pack will be placed so that it extends 2 feet above the top of the screened interval. A 2-foot hydrated bentonite seal will be placed on top of the sand pack and the remaining annular space above the seal will be grouted to the ground surface. Each well will be completed at grade with an above-ground (stick-up) protective steel casing within a 2-foot by 2-foot concrete pad.

At least 24 hours following construction, a submersible or an inertial hydrolift pump will be used to develop each newly installed monitoring well. Well development will be considered complete when either the turbidity of the purge water from the well is below 50 nephelometric turbidity units (NTUs), the well purges dry, or 10 well volumes have been removed, whichever occurs first.

All down-hole drilling equipment will be decontaminated prior to use at each borehole location using a combination of a steam genie and pressure washer in the designated non-mobile decontamination pad area. The contractor will be responsible for containerizing the waste.

In order to install the monitoring wells, clearing and grubbing will be necessary to access portions of the Site. Unit contract costs for a bulldozer have been included on the attached bid sheet.

In addition to the soil boring/monitoring well installations, test pits will be excavated in and around the debris piles at the Site to investigate anomalies identified by the geophysical survey to be conducted at the Site, confirm horizontal limits of ash and debris and to review subsurface geology at the Site. Excavated soils will be placed on top of minimum 10 mil thick plastic sheeting supplied by the Contractor and each excavation will be backfilled in a last out, first in technique. Following backfill operations the excavation will be compacted with the excavator and the limits of the test pit clearly marked for inclusion in the Site Survey. The work includes decontamination of the excavator bucket prior to excavation of each test pit.

All investigation-derived waste, including but not limited to used plastic sheeting, PPE, soil cuttings and development water will be containerized in 55-gallon drums and transported to a temporary staging area designated by TRC.

The Contractor will be responsible for the health and safety of their employees. The Contractor will be required to contact the One-Call Center (or the appropriate utility locating service) to arrange for utility mark-outs prior to any intrusive work. The Contractor will receive/review confirmation receipts from each utility and verify mark-outs prior to work. The Contractor is responsible for the identification, protection, and repair of utilities and structures if damaged. All work must be completed in accordance with the technical specifications contained in the subcontract agreement with TRC.

If you have any questions or need additional information, please contact me by email or at the numbers below.

We ask for receipt of your response by **COB September 15, 2015**. Please provide a response even if you are not interested in providing a quote for the work. Thank you for your attention to this matter and we look forward to hearing back from you.

Regards,

Marc E. Flanagan
Project Manager
MEFlanagan@trcsolutions.com

10 Maxwell Drive, Suite 200, Clifton Park, New York 12065
T (Direct): 518.688.3154 | F: 518.348.1194 | C: 518.894.1182

Follow us on LinkedIn or Twitter | www.trcsolutions.com

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYLCING, SITE NO. 558035
DEC CONTRACT/WA NO. D007620-24
DRILLING SERVICES
PRICE QUOTATION

	ITEM DESCRIPTION	UNIT	QUANTITY	AQUIFER DRILLING AND TESTING, INC.	
				UNIT COST (1)	EXTENDED COST
1	a. Mobilization/Demobilization*	LS	1	$1,000.00	$1,000.00
	b. Construction and Removal of Decontamination Pad (Non-Mobile)	LS	1	$500.00	$500.00
	c. Well/Boring Set-up (2)	EACH	19	$150.00	$2,850.00
	d. Hydrant Permit*	EACH	1	$200.00	$200.00
	e. Water Usage*	PER 1,000 GALLONS	15	$100.00	$1,500.00
2	Drilling				
	a. Hollow Stem Auger				
	(1) 0-50 feet in depth				
	c. 4.25-inch ID hollow stem augers	LF	325	$22.00	$7,150.00
	d. 6.25-inch ID hollow stem augers	LF	75	$26.00	$1,950.00
6	Borehole Sampling				
	Split Spoon Sampling				
	(1) 0-50 feet in depth				
	a. 2-inch OD	PER SAMPLE	95	$20.00	$1,900.00
8	Well Screen				
	a. Schedule 40 PVC				
	2-inch ID	LF	190	$12.00	$2,280.00
9	Well Riser				
	a. Schedule 40 PVC				
	2-inch ID	LF	310	$10.00	$3,100.00
10	Well Screen Sand Pack Material (No. 00 to No. 2 size sand)	PER 94 LB BAG	65	$20.00	$1,300.00
11	Bentonite				
	b. Granular/Chips	PER 50 LB BAG	26	$20.00	$520.00
	c. Powder	PER 50 LB BAG	26	$20.00	$520.00
12	Grout				
	b. Portland Cement - Type II	PER 94 LB BAG	95	$20.00	$1,900.00
14	b. Above Grade (stick-up)				
	(1) 6-foot protective steel surface casing, with locking cover, drain hole set in a 2-foot by 2-foot cement or concrete pad extending at least 1 foot below ground surface				
	4-inch ID	EACH	13	$275.00	$3,575.00
	6-inch ID	EACH	3	$325.00	$975.00
	c. Keyed Alike Locks	EACH	16	$30.00	$480.00
15	Containerization of Drilling Material and Staging (on pallets)				
	a. Provide empty, DOT approved, 55-gallon drums with seals, bungs and lids	PER 55-GALLON DRUM	50	$65.00	$3,250.00
	c. Filling, moving (within 0.25 mile of drill site) and staging 55-gallon drums (drill cuttings, drilling fluids, purge water, development water or decontamination water) on pallets.	PER 55-GALLON DRUM	50	$75.00	$3,750.00
16	Well Development				
	b. Pump and Surge (inertial hydrolift pump/includes tubing)	PER HOUR	37	$225.00	$8,325.00
18	Bulldozer (6-foot blade) with Operator for Clearing/Site Access				
	a. Mobilization and demobilization	LS	1	$950.00	$950.00
	b. On-site operation	PER HOUR	40	$225.00	$9,000.00
	c. Decontamination between locations	LUMP SUM PER LOCATION	16	$125.00	$2,000.00
19	Backhoe/Excavator with Operator for Test Pit/Trench Excavation				
	a. Mobilization and demobilization	LUMP SUM	1	$950.00	$950.00
	c. Tracked (20-foot excavation in depth)	PER HOUR	50	$275.00	$13,750.00
	d. Decontamination between locations	LUMP SUM PER LOCATION	20	$125.00	$2,500.00
21c.	Water hauling - when on-site water is insufficient or unavailable provide additional laborer (excluding driller and helper) and vehicle with minimum 500-gallon capacity to supply potable water	PER DAY	10	$1,800.00	$18,000.00
25	Out of Scope Items				
	a. Min. 10 mil Plastic Sheeting *	PER 2000 SQUARE FEET	20	$225.00	$4,500.00
				Total:	$98,675.00
				CPI Index Adj. 2015 (2.46%)	$2,250.29
				Total:	$100,925.29

Notes:

1. UNIT PRICES MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, SUPPLIES, SERVICES (INCLUDING CLEARING FOR ACCESS), TOOLS, DAILY TRAVEL, APPROPRIATE HEALTH AND SAFETY REQUIREMENTS (ASSUME LEVEL D) , INCIDENTALS, TAXES, ETC. ALL MATERIAL COSTS INCLUDE INSTALLATION.

2. MONITORING WELLS WILL BE INSTALLED AT 16 LOCATIONS; THREE (3) OF THE SIXTEEN LOCATIONS WILL HAVE TWO (2) MONITORING WELLS IN THE SAME BOREHOLE.

3. THE TEMPORARY DECONTAMINATION PAD (NON-MOBILE) SHALL BE CONSTRUCTED SO THAT DECONTAMINATION WATER CAN BE COLLECTED. UNIT PRICE MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES FOR CONSTRUCTION/SETUP AND REMOVAL OF DECONTAMINATION PAD, AND DISPOSAL OF MATERIALS USED TO CONSTRUCT DECONTAMINATION PAD.

3. QUANTITIES ARE ESTIMATES ONLY. ACTUAL AMOUNTS WILL VARY. PAYMENT WILL BE MADE BASED ON UNIT PRICES AND ACTUAL AMOUNTS ONLY.
* NOT ESCALATED

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYLCING, SITE NO. 558035
DEC CONTRACT/WA NO. D007620-24
DRILLING SERVICES
PRICE QUOTATION

	ITEM DESCRIPTION	UNIT	QUANTITY	AZTECH TECHNOLOGIES, INC. UNIT COST (1)	AZTECH TECHNOLOGIES, INC. EXTENDED COST
1	a. Mobilization/Demobilization*	LS	1	$5,372.00	$5,372.00
	b. Construction and Removal of Decontamination Pad (Non-Mobile)	LS	1	$240.00	$240.00
	c. Well/Boring Set-up (2)	EACH	19	$155.00	$2,945.00
	d. Hydrant Permit*	EACH	1	$0.00	$0.00
	e. Water Usage*	PER 1,000 GALLONS	15	$5.00	$75.00
2	Drilling				
	a. Hollow Stem Auger				
	(1) 0-50 feet in depth				
	c. 4.25-inch ID hollow stem augers	LF	325	$19.00	$6,175.00
	d. 6.25-inch ID hollow stem augers	LF	75	$22.00	$1,650.00
6	Borehole Sampling				
	Split Spoon Sampling				
	(1) 0-50 feet in depth				
	a. 2-inch OD	PER SAMPLE	95	$25.00	$2,375.00
8	Well Screen				
	a. Schedule 40 PVC				
	2-inch ID	LF	190	$4.25	$807.50
9	Well Riser				
	a. Schedule 40 PVC				
	2-inch ID	LF	310	$3.75	$1,162.50
10	Well Screen Sand Pack Material (No. 00 to No. 2 size sand)	PER 94 LB BAG	65	$13.60	$884.00
11	Bentonite				
	b. Granular/Chips	PER 50 LB BAG	26	$18.50	$481.00
	c. Powder	PER 50 LB BAG	26	$18.50	$481.00
12	Grout				
	b. Portland Cement - Type II	PER 94 LB BAG	95	$15.25	$1,448.75
14	b. Above Grade (stick-up)				
	(1) 6-foot protective steel surface casing, with locking cover, drain hole set in a 2-foot by 2-foot cement or concrete pad extending at least 1 foot below ground surface				
	4-inch ID	EACH	13	$170.00	$2,210.00
	6-inch ID	EACH	3	$190.00	$570.00
	c. Keyed Alike Locks	EACH	16	$16.00	$256.00
15	Containerization of Drilling Material and Staging (on pallets)				
	a. Provide empty, DOT approved, 55-gallon drums with seals, bungs and lids	PER 55-GALLON DRUM	50	$56.00	$2,800.00
	c. Filling, moving (within 0.25 mile of drill site) and staging 55-gallon drums (drill cuttings, drilling fluids, purge water, development water or decontamination water) on pallets.	PER 55-GALLON DRUM	50	$35.00	$1,750.00
16	Well Development				
	b. Pump and Surge (inertial hydrolift pump/includes tubing)	PER HOUR	37	$175.00	$6,475.00
18	Bulldozer (6-foot blade) with Operator for Clearing/Site Access				
	a. Mobilization and demobilization *	LS	1	$450.00	$450.00
	b. On-site operation	PER HOUR	40	$175.00	$7,000.00
	c. Decontamination between locations	LUMP SUM PER LOCATION	16	$200.00	$3,200.00
19	Backhoe/Excavator with Operator for Test Pit/Trench Excavation				
	a. Mobilization and demobilization	LUMP SUM	1	$600.00	$600.00
	c. Tracked (20-foot excavation in depth)	PER HOUR	50	$190.00	$9,500.00
	d. Decontamination between locations	LUMP SUM PER LOCATION	20	$200.00	$4,000.00
21c.	Water hauling - when on-site water is insufficient or unavailable provide additional laborer (excluding driller and helper) and vehicle with minimum 500-gallon capacity to supply potable water	PER DAY	10	$775.00	$7,750.00
25	Out of Scope Items				
	a. Min. 10 mil Plastic Sheeting *	PER 2500 SQUARE FEET	20	$200.00	$4,000.00
				Total:	$72,437.75
				CPI Index Adj. 2015 (2.46%)	$1,538.50
				Total:	$73,976.25

Contractor entered in wrong unit rates, this is the reason for a different total.

Notes:

1. UNIT PRICES MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, SUPPLIES, SERVICES (INCLUDING CLEARING FOR ACCESS), TOOLS, DAILY TRAVEL, APPROPRIATE HEALTH AND SAFETY REQUIREMENTS (ASSUME LEVEL D) , INCIDENTALS, TAXES, ETC. ALL MATERIAL COSTS INCLUDE INSTALLATION.

2. MONITORING WELLS WILL BE INSTALLED AT 16 LOCATIONS; THREE (3) OF THE SIXTEEN LOCATIONS WILL HAVE TWO (2) MONITORING WELLS IN THE SAME BOREHOLE.

3. THE TEMPORARY DECONTAMINATION PAD (NON-MOBILE) SHALL BE CONSTRUCTED SO THAT DECONTAMINATION WATER CAN BE COLLECTED. UNIT PRICE MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES FOR CONSTRUCTION/SETUP AND REMOVAL OF DECONTAMINATION PAD, AND DISPOSAL OF MATERIALS USED TO CONSTRUCT DECONTAMINATION PAD.

3. QUANTITIES ARE ESTIMATES ONLY. ACTUAL AMOUNTS WILL VARY. PAYMENT WILL BE MADE BASED ON UNIT PRICES AND ACTUAL AMOUNTS ONLY.
* NOT ESCALATED

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYLCING, SITE NO. 558035
DEC CONTRACT/WA NO. D007620-24
DRILLING SERVICES
PRICE QUOTATION

	ITEM DESCRIPTION	UNIT	QUANTITY	NOTHNAGLE DRILLING, INC. UNIT COST (1)	NOTHNAGLE DRILLING, INC. EXTENDED COST
1	a. Mobilization/Demobilization*	LS	1	$8,000.00	$8,000.00
	b. Construction and Removal of Decontamination Pad (Non-Mobile)	LS	1	$850.00	$850.00
	c. Well/Boring Set-up (2)	EACH	19	$100.00	$1,900.00
	d. Hydrant Permit*	EACH	1	$2,000.00	$2,000.00
	e. Water Usage*	PER 1,000 GALLONS	15	$100.00	$1,500.00
2	Drilling				
	a. Hollow Stem Auger				
	(1) 0-50 feet in depth				
	c. 4.25-inch ID hollow stem augers	LF	325	$12.00	$3,900.00
	d. 6.25-inch ID hollow stem augers	LF	75	$14.00	$1,050.00
6	Borehole Sampling				
	Split Spoon Sampling				
	(1) 0-50 feet in depth				
	a. 2-inch OD	PER SAMPLE	95	$10.00	$950.00
8	Well Screen				
	a. Schedule 40 PVC				
	2-inch ID	LF	190	$15.00	$2,850.00
9	Well Riser				
	a. Schedule 40 PVC				
	2-inch ID	LF	310	$16.00	$4,960.00
10	Well Screen Sand Pack Material (No. 00 to No. 2 size sand)	PER 94 LB BAG	65	$25.00	$1,625.00
11	Bentonite				
	b. Granular/Chips	PER 50 LB BAG	26	$28.00	$728.00
	c. Powder	PER 50 LB BAG	26	$22.00	$572.00
12	Grout				
	b. Portland Cement - Type II	PER 94 LB BAG	95	$22.00	$2,090.00
14	b. Above Grade (stick-up)				
	(1) 6-foot protective steel surface casing, with locking cover, drain hole set in a 2-foot by 2-foot cement or concrete pad extending at least 1 foot below ground surface				
	4-inch ID	EACH	13	$175.00	$2,275.00
	6-inch ID	EACH	3	$200.00	$600.00
	c. Keyed Alike Locks	EACH	16	$15.00	$240.00
15	Containerization of Drilling Material and Staging (on pallets)				
	a. Provide empty, DOT approved, 55-gallon drums with seals, bungs and lids	PER 55-GALLON DRUM	50	$35.00	$1,750.00
	c. Filling, moving (within 0.25 mile of drill site) and staging 55-gallon drums (drill cuttings, drilling fluids, purge water, development water or decontamination water) on pallets.	PER 55-GALLON DRUM	50	$35.00	$1,750.00
16	Well Development				
	b. Pump and Surge (inertial hydrolift pump/includes tubing)	PER HOUR	37	$160.00	$5,920.00
18	Bulldozer (6-foot blade) with Operator for Clearing/Site Access				
	a. Mobilization and demobilization	LS	1	$500.00	$500.00
	b. On-site operation	PER HOUR	40	$90.00	$3,600.00
	c. Decontamination between locations	LUMP SUM PER LOCATION	16	$150.00	$2,400.00
19	Backhoe/Excavator with Operator for Test Pit/Trench Excavation				
	a. Mobilization and demobilization	LUMP SUM	1	$500.00	$500.00
	c. Tracked (20-foot excavation in depth)	PER HOUR	50	$150.00	$7,500.00
	d. Decontamination between locations	LUMP SUM PER LOCATION	20	$150.00	$3,000.00
21c.	Water hauling - when on-site water is insufficient or unavailable provide additional laborer (excluding driller and helper) and vehicle with minimum 500-gallon capacity to supply potable water	PER DAY	10	$250.00	$2,500.00
25	Out of Scope Items				
	a. Min. 10 mil Plastic Sheeting *	PER 2500 SQUARE FEET	2	$300.00	$600.00
				Total:	$66,110.00
				CPI Index Adj. 2015 (2.46%)	$1,626.31
				Total:	$67,736.31

Contractor changed number of units.

Notes:

1. UNIT PRICES MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, SUPPLIES, SERVICES (INCLUDING CLEARING FOR ACCESS), TOOLS, DAILY TRAVEL, APPROPRIATE HEALTH AND SAFETY REQUIREMENTS (ASSUME LEVEL D) , INCIDENTALS, TAXES, ETC. ALL MATERIAL COSTS INCLUDE INSTALLATION.

2. MONITORING WELLS WILL BE INSTALLED AT 16 LOCATIONS; THREE (3) OF THE SIXTEEN LOCATIONS WILL HAVE TWO (2) MONITORING WELLS IN THE SAME BOREHOLE.

3. THE TEMPORARY DECONTAMINATION PAD (NON-MOBILE) SHALL BE CONSTRUCTED SO THAT DECONTAMINATION WATER CAN BE COLLECTED. UNIT PRICE MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES FOR CONSTRUCTION/SETUP AND REMOVAL OF DECONTAMINATION PAD, AND DISPOSAL OF MATERIALS USED TO CONSTRUCT DECONTAMINATION PAD.

3. QUANTITIES ARE ESTIMATES ONLY. ACTUAL AMOUNTS WILL VARY. PAYMENT WILL BE MADE BASED ON UNIT PRICES AND ACTUAL AMOUNTS ONLY.
* NOT ESCALATED

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYLCING, SITE NO. 558035
DEC CONTRACT/WA NO. D007620-24
DRILLING SERVICES
PRICE QUOTATION

	ITEM DESCRIPTION	UNIT	QUANTITY	PARRATT WOLLF, INC. UNIT COST (1)	PARRATT WOLLF, INC. EXTENDED COST
1	a. Mobilization/Demobilization*	LS	1	$4,650.00	$4,650.00
	b. Construction and Removal of Decontamination Pad (Non-Mobile)	LS	1	$400.00	$400.00
	c. Well/Boring Set-up (2)	EACH	19	$200.00	$3,800.00
	d. Hydrant Permit*	EACH	1	$100.00	$100.00
	e. Water Usage*	PER 1,000 GALLONS	15	$4.00	$60.00
2	Drilling				
	a. Hollow Stem Auger				
	(1) 0-50 feet in depth				
	c. 4.25-inch ID hollow stem augers	LF	325	$14.00	$4,550.00
	d. 6.25-inch ID hollow stem augers	LF	75	$16.00	$1,200.00
6	Borehole Sampling				
	Split Spoon Sampling				
	(1) 0-50 feet in depth				
	a. 2-inch OD	PER SAMPLE	95	$20.00	$1,900.00
8	Well Screen				
	a. Schedule 40 PVC				
	2-inch ID	LF	190	$8.00	$1,520.00
9	Well Riser				
	a. Schedule 40 PVC				
	2-inch ID	LF	310	$5.00	$1,550.00
10	Well Screen Sand Pack Material (No. 00 to No. 2 size sand)	PER 94 LB BAG	65	$15.00	$975.00
11	Bentonite				
	b. Granular/Chips	PER 50 LB BAG	26	$20.00	$520.00
	c. Powder	PER 50 LB BAG	26	$15.00	$390.00
12	Grout				
	b. Portland Cement - Type II	PER 94 LB BAG	95	$30.00	$2,850.00
14	b. Above Grade (stick-up)				
	(1) 6-foot protective steel surface casing, with locking cover, drain hole set in a 2-foot by 2-foot cement or concrete pad extending at least 1 foot below ground surface				
	4-inch ID	EACH	13	$200.00	$2,600.00
	6-inch ID	EACH	3	$250.00	$750.00
	c. Keyed Alike Locks	EACH	16	$12.00	$192.00
15	Containerization of Drilling Material and Staging (on pallets)				
	a. Provide empty, DOT approved, 55-gallon drums with seals, bungs and lids	PER 55-GALLON DRUM	50	$60.00	$3,000.00
	c. Filling, moving (within 0.25 mile of drill site) and staging 55-gallon drums (drill cuttings, drilling fluids, purge water, development water or decontamination water) on pallets.	PER 55-GALLON DRUM	50	$75.00	$3,750.00
16	Well Development				
	b. Pump and Surge (inertial hydrolift pump/includes tubing)	PER HOUR	37	$65.00	$2,405.00
18	Bulldozer (6-foot blade) with Operator for Clearing/Site Access				
	a. Mobilization and demobilization	LS	1	$500.00	$500.00
	b. On-site operation	PER HOUR	40	$110.00	$4,400.00
	c. Decontamination between locations	LUMP SUM PER LOCATION	16	$110.00	$1,760.00
19	Backhoe/Excavator with Operator for Test Pit/Trench Excavation				
	a. Mobilization and demobilization	LUMP SUM	1	$500.00	$500.00
	c. Tracked (20-foot excavation in depth)	PER HOUR	50	$130.00	$6,500.00
	d. Decontamination between locations	LUMP SUM PER LOCATION	20	$130.00	$2,600.00
21c.	Water hauling - when on-site water is insufficient or unavailable provide additional laborer (excluding driller and helper) and vehicle with minimum 500-gallon capacity to supply potable water	PER DAY	10	$250.00	$2,500.00
25	Out of Scope Items				
	a. Min. 10 mil Plastic Sheeting *	PER 2500 SQUARE FEET	20	$195.00	$3,900.00
				Total:	$59,822.00
				CPI Index Adj. 2015 (2.46%)	$1,209.39
				Total:	$61,031.39

Wrong amount.

Notes:

1. UNIT PRICES MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, SUPPLIES, SERVICES (INCLUDING CLEARING FOR ACCESS), TOOLS, DAILY TRAVEL, APPROPRIATE HEALTH AND SAFETY REQUIREMENTS (ASSUME LEVEL D) , INCIDENTALS, TAXES, ETC. ALL MATERIAL COSTS INCLUDE INSTALLATION.

2. MONITORING WELLS WILL BE INSTALLED AT 16 LOCATIONS; THREE (3) OF THE SIXTEEN LOCATIONS WILL HAVE TWO (2) MONITORING WELLS IN THE SAME BOREHOLE.

3. THE TEMPORARY DECONTAMINATION PAD (NON-MOBILE) SHALL BE CONSTRUCTED SO THAT DECONTAMINATION WATER CAN BE COLLECTED. UNIT PRICE MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES FOR CONSTRUCTION/SETUP AND REMOVAL OF DECONTAMINATION PAD, AND DISPOSAL OF MATERIALS USED TO CONSTRUCT DECONTAMINATION PAD.

3. QUANTITIES ARE ESTIMATES ONLY. ACTUAL AMOUNTS WILL VARY. PAYMENT WILL BE MADE BASED ON UNIT PRICES AND ACTUAL AMOUNTS ONLY.

* NOT ESCALATED

Contract Drilling and Testing

BUFFALO OFFICE
CORPORATE OFFICE
5167 South Park Avenue
Hamburg, NY 14075
p: 716.649.8110
f: 716.649.8051

ROCHESTER OFFICE
535 Summit Point Drive
Henrietta, NY 14667
p: 585.359.2730
f: 585.359.9668

ALBANY OFFICE
P.O. Box 2199
Ballston Spa, NY 12020

5 Knabner Road
Mechanicville, NY 12118
p: 518.899.7491
f: 518.899.7496

CORTLAND OFFICE
60 Miller Street
Cortland, NY 13045
p: 607.758.7182
f: 607.758.7188

www.sjbempire.net
info@sjbempire.net

September 14, 2015
Proposal #PBD-15-210

TRC Solutions
10 Maxwell Dr, Suite 200
Clifton Park, NY 12065

Attention: Marc E. Flanagan

Reference: ***Drilling & Well Installations***
Katzman Recycling Site
Village of Granville
Washington County, NY

Dear Marc,

Pursuant to your email request, we are hereby submitting our proposal to perform Test Borings and Well Installations for the Katzman Recycling Site located in the Village of Granville, NY.

It is our understanding that the scope of work will include the following items:

1. Drill sixteen (16) bore holes
2. Install 19 overburden groundwater monitoring wells
3. Thirteen wells with 4.25 augers
4. Three wells will be cluster wells (actually will be 6 wells) advanced with 6 ¼" augers
5. All wells approximately 25' in length
6. Well development after 6 hours
7. Above ground protective casing, 2'x 2' pad

We are available to begin this work within 10 days of receiving your notification to proceed. Please sign below as your acceptance / authorization for our services and return a copy of this proposal to our office.

Thank you for considering SJB Services, Inc. for your project, we look forward to working with you. If you should have any questions, please contact our office at any time.

Sincerely,
SJB SERVICES, INC.

Stanley J. Blas
President

PROPOSAL ACCEPTED BY: _____ DATE ACCEPTED: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYLCING, SITE NO. 558035
DEC CONTRACT/WA NO. D007620-24
DRILLING SERVICES
PRICE QUOTATION

	ITEM DESCRIPTION	UNIT	QUANTITY	SJB SERVICES, INC. UNIT COST (1)	SJB SERVICES, INC. EXTENDED COST
1	a. Mobilization/Demobilization*	LS	1		$900.00
	b. Construction and Removal of Decontamination Pad (Non-Mobile)	LS	1	$400.00	$400.00
	c. Well/Boring Set-up (2)	EACH	19	$100.00	$1,900.00
	d. Hydrant Permit*	EACH	1	$200.00	$200.00
	e. Water Usage*	PER 1,000 GALLONS	15	$50.00	$750.00
2	Drilling				
	a. Hollow Stem Auger				
	(1) 0-50 feet in depth				
	c. 4.25-inch ID hollow stem augers	LF	325	$12.00	$3,900.00
	d. 6.25-inch ID hollow stem augers	LF	75	$16.00	$1,200.00
6	Borehole Sampling				
	Split Spoon Sampling				
	(1) 0-50 feet in depth				
	a. 2-inch OD	PER SAMPLE	95	$6.00	$570.00
8	Well Screen				
	a. Schedule 40 PVC				
	2-inch ID	LF	190	$14.00	$2,660.00
9	Well Riser				
	a. Schedule 40 PVC				
	2-inch ID	LF	310	$14.00	$4,340.00
10	Well Screen Sand Pack Material (No. 00 to No. 2 size sand)	PER 94 LB BAG	65	$18.00	$1,170.00
11	Bentonite				
	b. Granular/Chips	PER 50 LB BAG	26	$30.00	$780.00
	c. Powder	PER 50 LB BAG	26	$30.00	$780.00
12	Grout				
	b. Portland Cement - Type II	PER 94 LB BAG	95	$16.00	$1,520.00
14	b. Above Grade (stick-up)				
	(1) 6-foot protective steel surface casing, with locking cover, drain hole set in a 2-foot by 2-foot cement or concrete pad extending at least 1 foot below ground surface				
	4-inch ID	EACH	13	$150.00	$1,950.00
	6-inch ID	EACH	3	$175.00	$525.00
	c. Keyed Alike Locks	EACH	16	$15.00	$240.00
15	Containerization of Drilling Material and Staging (on pallets)				
	a. Provide empty, DOT approved, 55-gallon drums with seals, bungs and lids	PER 55-GALLON DRUM	50	$55.00	$2,750.00
	c. Filling, moving (within 0.25 mile of drill site) and staging 55-gallon drums (drill cuttings, drilling fluids, purge water, development water or decontamination water) on pallets.	PER 55-GALLON DRUM	50	$75.00	$3,750.00
16	Well Development				
	b. Pump and Surge (inertial hydrolift pump/includes tubing)	PER HOUR	37	$150.00	$5,550.00
18	Bulldozer (6-foot blade) with Operator for Clearing/Site Access				
	a. Mobilization and demobilization	LS	1	$400.00	$400.00
	b. On-site operation	PER HOUR	40	$150.00	$6,000.00
	c. Decontamination between locations	LUMP SUM PER LOCATION	16	$150.00	$2,400.00
19	Backhoe/Excavator with Operator for Test Pit/Trench Excavation				
	a. Mobilization and demobilization	LUMP SUM	1	$400.00	$400.00
	c. Tracked (20-foot excavation in depth)	PER HOUR	50	$200.00	$10,000.00
	d. Decontamination between locations	LUMP SUM PER LOCATION	20	$150.00	$3,000.00
21c.	Water hauling - when on-site water is insufficient or unavailable provide additional laborer (excluding driller and helper) and vehicle with minimum 500-gallon capacity to supply potable water	PER DAY	10	$100.00	$1,000.00
25	Out of Scope Items				
	a. Min. 10 mil Plastic Sheeting *	PER 2500 SQUARE FEET	20	$350.00	$7,000.00
				Total:	$66,035.00
				CPI Index Adj. 2015 (2.46%)	$1,364.32
				Total:	$67,399.32

Wrong amount.

Notes:

1. UNIT PRICES MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, SUPPLIES, SERVICES (INCLUDING CLEARING FOR ACCESS), TOOLS, DAILY TRAVEL, APPROPRIATE HEALTH AND SAFETY REQUIREMENTS (ASSUME LEVEL D) , INCIDENTALS, TAXES, ETC. ALL MATERIAL COSTS INCLUDE INSTALLATION.

2. MONITORING WELLS WILL BE INSTALLED AT 16 LOCATIONS; THREE (3) OF THE SIXTEEN LOCATIONS WILL HAVE TWO (2) MONITORING WELLS IN THE SAME BOREHOLE.

3. THE TEMPORARY DECONTAMINATION PAD (NON-MOBILE) SHALL BE CONSTRUCTED SO THAT DECONTAMINATION WATER CAN BE COLLECTED. UNIT PRICE MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES FOR CONSTRUCTION/SETUP AND REMOVAL OF DECONTAMINATION PAD, AND DISPOSAL OF MATERIALS USED TO CONSTRUCT DECONTAMINATION PAD.

3. QUANTITIES ARE ESTIMATES ONLY. ACTUAL AMOUNTS WILL VARY. PAYMENT WILL BE MADE BASED ON UNIT PRICES AND ACTUAL AMOUNTS ONLY.
* NOT ESCALATED

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

Contract/WA No. D007620-24 Site/Spill Number 5-58-035

Site/Spill Name Katzman Recycling

NOTE: Standby Contractor must obtain DER approval prior to executing and submitting subcontract.

Check the appropriate box and complete the chart below:

Standby Subcontractors

☐ Standby cost-plus-fixed-fee subconsultant/subcontractor selected on rotational basis.

☐ Standby laboratory or data validator selected on rotational basis. If the work includes site-specific or other items which are not listed in the standby contract, obtain and attach complete quotes from all standby subcontractors. (Declinations to bid must be explained in the attached back-up.)

☑ Standby driller selected as lowest quote: Obtain and attach complete quotes from all standby drillers, including mob/demob costs and any site-specific items. (Declinations to bid must be explained in the attached back-up.)

Non-Standby Subcontractors

For non-standby unit-price or lump-sum subcontracting work, obtain the necessary number of quotes and complete the chart below:

☐ Total estimated costs are less than $10,000; three responsive quotes must be obtained (verbal is allowed).

☐ Total estimated costs range from $10,000 to $20,000; three **written** responsive quotes must be obtained and attached.

☐ Total estimated costs are over $20,000; five **written** responsive quotes must be obtained and attached.

Note: If unable to obtain a sufficient number of quotes, obtain and attach a minimum of 2 responsive quotes. Attach documentation of attempts made to obtain additional quotes **and** an engineer's estimate to support cost reasonableness.

☐ Usage of an M/WBE firm with estimated costs under $10,000; a comparable quote must be obtained and attached. If unable to obtain a quote, document the attempts made **and** attach an engineer's estimate or other cost comparison to support cost reasonableness.

☐ Single/sole source procurement (must be pre-approved by the DEC CM); attach rationale for selecting subcontractor **and** comparable quotes. If quotes are unavailable the basis for determining cost reasonableness has been provided, using an engineer's estimate or other cost comparisons (e.g. historical costs, pricing guides).

Subcontractor/Subconsultant	*Phone Number*	*Date*	*Price Quote*
Aztech Technologies, Inc	(518) 885 - 5383	9/16/2015	$42,811.20
Land, Air, Water Environmental Services, Inc.	(631) 874 - 1212	NA	No bid
Parratt Wolff, Inc.	(800) 782 - 7260	9/10/2015	$55,107.36
SJB Services, Inc.	(716) 649-8110	9/15/2015	Non-Responsive
Zebra Environmental Corporation	(518) 355 - 2201	9/16/2015	$34,692.87

Precision was identified as a COI with the Dept. on this WA.
SJB could not provide MIP services.

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract will include all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It includes a statement of compliance with all licenses, certifications and permits, if applicable. (Note: For laboratories, this can be determined at http://www.wadsworth.org/labservices.htm).

2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.

3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. Refer to Appendix B, clause III (e) for applicability. (Note that for standby subcontractors selected on a WA, a new subcontract certification must be submitted.)

4. For subcontracts in excess (or anticipated to be in excess) of $10,000, the subcontractor submitted an acceptable New York State Vendor Responsibility Questionnaire. Information related to vendor responsibility can be found at http://www.osc.state.ny.us/agencies/gbull/g221.htm

5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises (M/WBE) and Conflict of Interest (COI).

6. The subcontract includes the termination clause required in the prime contract.

7. The subcontract does not include "pay if paid" type clauses which are unenforceable in New York State.

8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insureds on endorsements to the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at http://www.ins.state.ny.us and Best's Rating can be determined at http://www.ambest.com). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) are included as appropriate.

9. In addition to the appropriate insurance certificates, the contractor submitted a copy of the insurance policy provisions pertaining to notification of cancellation (including expiration, termination, or suspension) of such policy.

10. Documentation supporting this certification, including the executed subcontract, is maintained by the Contractor and will be provided within 10 days of any request.

Signature of Contractor's Authorized Representative	Date 9.25.2015
TRC Engineers, Inc.	D007620-24
Contractor Name	Contract/WA No.
Zebra Environmental Services, Inc.	
Subcontractor Name	

Rev. 06/02/14

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO. 5-58-035
CONTRACT/WA NO. D007620-24
DIRECT PUSH SERVICES
PRICE QUOTATION SUMMARY

	ITEM DESCRIPTION	UNIT	QUANTITY	AZTECH		LAWES		PARRATT WOLFF, INC.		PRECISION		SJB		ZEBRA	
				UNIT PRICE (1)	EXTENDED COST	UNIT PRICE (1)	EXTENDED COST	UNIT PRICE (1)	EXTENDED COST	UNIT PRICE (1)	EXTENDED COST	UNIT PRICE (1)	EXTENDED COST	UNIT PRICE (1)	EXTENDED COST
1)	A. MOBILIZATION/DEMOBILIZATION INCLUDING SITE SETUP/ BREAKDOWN, CLEANUP, REPAIR, INITIAL AND FINAL EQUIPMENT DECONTAMINATION, TRAVEL, LODGING, MEALS AND LABOR *	LUMP SUM	1	$2,252.00	$2,252.00	NO BID	NO BID	$3,800.00	$3,800.00	---	---	$1,000.00	$1,000.00	$1,675.00	$1,675.00
	B. PROBE HOLE SETUP (2)	PER LOCATION	25	$55.00	$1,375.00	$25.00	$625.00	$50.00	$1,250.00	$10.00	$250.00	$50.00	$1,250.00	$136.00	$3,400.00
	C. HYDRANT PERMIT *	EACH	1	$0.00	$0.00	---	---	$0.00	$0.00	---	---	$200.00	$200.00	$0.00	$0.00
	D. WATER USAGE *	PER 1,000 GALLONS	10	$5.00	$50.00	---	---	$0.00	$0.00	---	---	$50.00	$500.00	$0.00	$0.00
2)	TEMPORARY DECONTAMINATION PAD INCLUDING ALL DECONTAMINATION														
	B. MOBILE	LUMP SUM	1	$350.00	$350.00	$400.00	$400.00	$150.00	$150.00	$173.00	$173.00	$200.00	$200.00	$354.00	$354.00
3)	GEOPROBE SYSTEM OR EQUIVALENT WITH ASSOCIATED EQUIPMENT, TOOLS, C. ALL TERRAIN VEHICLE MOUNTED PROBE (1 PERSON CREW)	PER DAY (8 HOUR DAY ON-PER DAY	8	$1,050.00	$8,400.00	$1,400.00	$11,200.00	$1,200.00	$9,600.00	$750.00	$6,000.00	$950.00	$7,600.00	$1,362.50	$10,900.00
	G. CHARGE TO SUPPLY ADDITIONAL PERSON FOR CREW	PER PERSON PER 8 HOUR DAY ON SITE	8	$375.00	$3,000.00	$400.00	$3,200.00	$500.00	$4,000.00	$320.00	$2,560.00	$200.00	$1,600.00	$273.00	$2,184.00
4)	OVERTIME CHARGE FOR ON-SITE WORK (IN EXCESS OF 8 HRS) INCLUDING	PER HOUR	16	$155.00	$2,480.00	$150.00	$2,400.00	$50.00	$800.00	$75.00	$1,200.00	$120.00	$1,920.00	$136.00	$2,176.00
5)	OVERTIME CHARGE FOR ADDITIONAL PERSON FOR CREW IN EXCESS OF 8 HRS	PER HOUR	16	$80.00	$1,280.00	$150.00	$2,400.00	$50.00	$800.00	$60.00	$960.00	$30.00	$480.00	$136.00	$2,176.00
6)	PROBE SAMPLING INCLUDING ALL EQUIPMENT AND SUPPLIES														
	A. GROUNDWATER SAMPLE	PER SAMPLE	25	$50.00	$1,250.00	$7.00	$175.00	$30.00	$750.00	$25.00	$625.00	$25.00	$625.00	$10.00	$250.00
	C. MACRO CORE SOIL SAMPLE (APPROXIMATELY 2-INCH DIAMETER)	PER SAMPLE (2FT IN LENGTH)	313	$3.00	$939.00	$7.00	$2,191.00	$3.00	$939.00	$2.00	$626.00	$8.00	$2,504.00	$10.00	$3,130.00
17)	CONTAINERIZATION OF PROBING WASTE MATERIAL AND STAGING (ON PALLETS) A. PROVIDE EMPTY DOT-APPROVED 55-GALLON DRUMS WITH SEALS, BUNGS AND LIDS.	PER 55 GAL DRUM	5	$56.00	$280.00	$65.00	$325.00	$60.00	$300.00	$35.00	$175.00	$60.00	$300.00	$70.85	$354.25
	C. FILLING, MOVING (W/IN 0.25 MI. OF DRILL SITE) AND STAGING 55-GALLON DRUMS (PROBING WASTE, PURGE WATER, DECONTAMINATION WATER ON PALLETS, ETC.)	PER 55 GAL DRUM	5	$30.00	$150.00	$50.00	$250.00	$90.00	$450.00	$25.00	$125.00	$50.00	$250.00	$103.55	$517.75
22)	BENTONITE CHIPS*	PER BAG (50 LBS)	10	$22.04	$220.40	---	---	$15.00	$150.00	---	---	$50.00	$500.00	$5.00	$50.00
23)	COST FOR MIP EQUIPMENT/OPERATION (INCLUDES DIRECT PUSH MIP EQUIPMENT OPERATOR AND COST FOR DIRECT PUSH MIP EQUIPMENT) *	PER 10 HOUR DAY ON SITE	5	$2,906.00	$14,530.00	---	---	$4,530.00	$22,650.00	---	---	**	**	$1,380.00	$6,900.00
24)	CHARGE TO SUPPLY ADDITIONAL PERSON FOR MIP OPERATION *	PER PERSON PER 10 HOUR DAY ON SITE	5	$1,155.00	$5,775.00	---	---	$1,800.00	$9,000.00	---	---	**	**	$0.00	$0.00
				TOTAL	$42,331.40	**TOTAL**	NO BID	**TOTAL**	$54,639.00	**TOTAL**	COI	**TOTAL**	Non Responsive	**TOTAL**	$34,067.00
				CPI INDEX ADJ. 2015 (2.46%)	$479.80	**CPI INDEX ADJ. 2015 (2.46%)**		**CPI INDEX ADJ. 2015 (2.46%)**	$468.36	**CPI INDEX ADJ. 2015 (2.46%)**		**CPI INDEX ADJ. 2015 (2.46%)**		**CPI INDEX ADJ. 2015 (2.46%)**	$625.87
				TOTAL	$42,811.20	**TOTAL**	NO BID	**TOTAL**	$55,107.36	**TOTAL**	COI	**TOTAL**	Non Responsive	**TOTAL**	$34,692.87

NOTES:

1. UNIT PRICES MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, SUPPLIES, SERVICES, TOOLS, DAILY TRAVEL, APPROPRIATE HEALTH AND SAFETY REQUIREMENTS AND EQUIPMENT, INCIDENTALS, TAXES, ETC. FOR PRICING PURPOSES ASSUME LEVEL D PERSONAL PROTECTION. PRICES FOR ALL MATERIALS INCLUDE INSTALLATION.
2. INCLUDES EQUIPMENT DECONTAMINATION BETWEEN EACH LOCATION.
3. THE TEMPORARY DECONTAMINATION PAD (MOBILE) SHALL BE CONSTRUCTED SO THAT DECONTAMINATION WATER CAN BE COLLECTED. UNIT PRICE MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES FOR CONSTRUCTION/SETUP AND REMOVAL OF DECONTAMINATION PAD, AND DISPOSAL OF MATERIALS USED TO CONSTRUCT DECONTAMINATION PAD.
4. QUANTITIES ARE ESTIMATES ONLY. ACTUAL AMOUNTS WILL VARY. PAYMENT WILL BE MADE BASED ON UNIT PRICES AND ACTUAL AMOUNTS ONLY.
5. FIRM IDENTIFIED WITH THE DEPARTMENT AS HAVING A CONFLICT OF INTEREST (COI) WITH WORKING ON THIS SITE.

* NOT ESCALATED
** - FIRM INDICATED THAT THEY CANNOT PROVIDE THIS SERVICE

Scope of Work

Flanagan, Marc E.

From: Flanagan, Marc E.
Sent: Wednesday, September 09, 2015 10:35 PM
To: Jared Plank
Subject: NYSDEC: Katzman Recycling Site, Granville, Washington County, New York - Price Quotation Request for Direct Push Drilling Services
Attachments: KATZMAN_.PDF; Direct Push_Injection Price Quotation Katzman Recycling (Zebra).xls

Good Evening Jared,

TRC Engineers, Inc. (TRC) is requesting pricing for drilling services for a Remedial Investigation (RI) under D&B/TRC's Standby Engineering Contract No. D007620 with the New York State Department of Environmental Conservation (NYSDEC). The Katzman Recycling Site occupies an area of approximately twenty (20) acres near the intersection of County Route 26 and U.S. Route 22, south of the Village of Granville, Washington County, New York (see attached Site Plan).

A track-mounted direct-push drill rig will be used to advance approximately twenty-five (25) direct-push soil borings across the Site. A multi-interface probe (MIP) will be used to focus the proposed direct-push soil borings, soil sampling, and groundwater sampling locations primarily in the area surrounding the major debris piles and incinerator. The Contractor shall provide TRC field personnel with results and interpretation of the MIP data in the field. The boreholes will be advanced to an approximate depth of 25 feet below ground surface (bgs), unless directed otherwise by TRC. Continuous soil samples will be collected from the soil borings from the ground surface to the termination depth. A groundwater sample will be collected from each soil boring at 25 feet bgs or directly above the shallowest low permeability unit or from an interval selected based on MIP screening results. Each sample interval will be purged prior to sample collection to minimize turbidity in the samples.

Dedicated down-hole sampling equipment (i.e., Teflon™ lined tubing for groundwater) shall be furnished. All non-dedicated, down-hole equipment will be decontaminated using an Alconox™/potable water (water will be supplied by the Contractor) rinse before beginning work at each location. All investigation-derived waste, including but not limited to PPE, purged groundwater and decontamination water will be containerized in 55-gallon drums and transported to a temporary staging area at a location to be determined in consultation with TRC. All boreholes will be backfilled with bentonite (chips) to a depth just below ground surface, covered at the surface with soil and clearly marked or staked for inclusion in the Site Survey.

In 2011 your firm entered into a subcontractor agreement with TRC for direct push drilling services, under D&B/TRC's Standby Engineering Contract No. D007620 with the NYSDEC. Please note that all of the agreed upon units costs in the attached cost schedule include labor and all applicable taxes. The same applies to any new unit prices provided. Please review the attached spreadsheet and confirm that you agree with the quantities and pricing via a reply to this message, with the completed spreadsheet attached to the return email. In addition, provide a lump sum price for mobilization/demobilization and cost for the additional line items on the attached spreadsheet. Also, if any, provide costs for additional items not shown on the attached spreadsheet that would be necessary to complete the work. The estimated cost should be based on work being completed in Level D personal protective equipment (PPE). The work will likely be executed during September/October 2015 and is expected to take approximately eight (8) days.

The Contractor will be responsible for the health and safety of their employees. Additionally, the Contractor will be required to contact the One Call Center (or the appropriate utility locating service), receive/review confirmation receipts from each utility, and verify mark-outs prior to any intrusive work. The Contractor is responsible for the identification, protection, and, if damaged, repair of utilities and structures. Finally, all direct push work must be completed in accordance with the technical specifications in the subcontract agreement with TRC.

Please call me with any questions on the above at the numbers below.

We ask for receipt of your response by **COB September 15, 2015**. Please provide a response even if you are not interested in providing a quote for the work. Thank you for your attention to this matter and we look forward to hearing back from you.

Regards,

Marc E. Flanagan
Project Manager
MEFlanagan@trcsolutions.com

10 Maxwell Drive, Suite 200, Clifton Park, New York 12065
T (Direct): 518.688.3154 | F: 518.348.1194 | C: 518.894.1182

Follow us on LinkedIn or Twitter | www.trcsolutions.com

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO. 5-58-035
CONTRACT/WA NO. D007620-24
DIRECT PUSH SERVICES
PRICE QUOTATION

	ITEM DESCRIPTION	UNIT	QUANTITY	AZTECH UNIT PRICE (1)	AZTECH EXTENDED COST
1)	A. MOBILIZATION/DEMOBILIZATION INCLUDING SITE SETUP/ BREAKDOWN, CLEANUP, REPAIR, INITIAL AND FINAL EQUIPMENT DECONTAMINATION, TRAVEL, LODGING, MEALS AND LABOR *	LUMP SUM	1	$2,252.00	$2,252.00
	B. PROBE HOLE SETUP (2)	PER LOCATION	0	$55.00	$0.00
	C. HYDRANT PERMIT *	EACH	1		$0.00
	D. WATER USAGE *	PER 1,000 GALLONS	10	$5.00	$50.00
2)	TEMPORARY DECONTAMINATION PAD INCLUDING ALL DECONTAMINATION EQUIPMENT AND SUPPLIES (3) B. MOBILE	LUMP SUM	1	$350.00	$350.00
3)	GEOPROBE SYSTEM OR EQUIVALENT WITH ASSOCIATED EQUIPMENT, TOOLS, SUPPLIES, ETC. NECESSARY TO COMPLETE ASSIGNED WORK	PER DAY (8 HOUR DAY ON-SITE)			
	C. ALL TERRAIN VEHICLE MOUNTED PROBE (1 PERSON CREW)	PER DAY	8	$1,050.00	$8,400.00
	G. CHARGE TO SUPPLY ADDITIONAL PERSON FOR CREW	PER PERSON PER 8 HOUR DAY ON SITE	8	$375.00	$3,000.00
4)	OVERTIME CHARGE FOR ON-SITE WORK (IN EXCESS OF 8 HRS) INCLUDING GEOPROBE SYSTEM AND 1 PERSON CREW	PER HOUR	16	$155.00	$2,480.00
5)	OVERTIME CHARGE FOR ADDITIONAL PERSON FOR CREW IN EXCESS OF 8 HRS	PER HOUR	16	$80.00	$1,280.00
6)	PROBE SAMPLING INCLUDING ALL EQUIPMENT AND SUPPLIES A. GROUNDWATER SAMPLE	PER SAMPLE	25	$50.00	$1,250.00
	C. MACRO CORE SOIL SAMPLE (APPROXIMATELY 2-INCH DIAMETER)	PER SAMPLE (2FT IN LENGTH)	313	$3.00	$939.00
17)	CONTAINERIZATION OF PROBING WASTE MATERIAL AND STAGING (ON PALLETS)				
	A. PROVIDE EMPTY DOT-APPROVED 55-GALLON DRUMS WITH SEALS, BUNGS AND LIDS	PER 55 GAL DRUM	5	$56.00	$280.00
	C. FILLING, MOVING (W/IN 0.25 MI. OF DRILL SITE) AND STAGING 55-GALLON DRUMS (PROBING WASTE, PURGE WATER, DECONTAMINATION WATER ON PALLETS, ETC.)	PER 55 GAL DRUM	5	$30.00	$150.00
22)	BENTONITE CHIPS*	PER BAG (50 LBS)	10	$22.04	$220.40
23)	COST FOR MIP EQUIPMENT/OPERATION (INCLUDES DIRECT PUSH MIP EQUIPMENT OPERATOR AND COST FOR DIRECT PUSH MIP EQUIPMENT) *	PER 10 HOUR DAY ON SITE	5	$2,906.00	$14,530.00
24)	CHARGE TO SUPPLY ADDITIONAL PERSON FOR MIP OPERATION *	PER PERSON PER 10 HOUR DAY ON SITE	5	$1,155.00	$5,775.00
				TOTAL	$40,956.40
				CPI INDEX ADJ. 2015 (2.46%)	$445.97
				TOTAL	$41,402.37

Changed number of units.

NOTES:

1. UNIT PRICES MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, SUPPLIES, SERVICES, TOOLS, DAILY TRAVEL, APPROPRIATE HEALTH AND SAFETY REQUIREMENTS AND EQUIPMENT, INCIDENTALS, TAXES, ETC. FOR PRICING PURPOSES ASSUME LEVEL D PERSONAL PROTECTION. PRICES FOR ALL MATERIALS INCLUDE INSTALLATION.

2. INCLUDES EQUIPMENT DECONTAMINATION BETWEEN EACH LOCATION.

3. THE TEMPORARY DECONTAMINATION PAD (MOBILE) SHALL BE CONSTRUCTED SO THAT DECONTAMINATION WATER CAN BE COLLECTED. UNIT PRICE MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES FOR CONSTRUCTION/SETUP AND REMOVAL OF DECONTAMINATION PAD, AND DISPOSAL OF MATERIALS USED TO CONSTRUCT DECONTAMINATION PAD.

4. QUANTITIES ARE ESTIMATES ONLY. ACTUAL AMOUNTS WILL VARY. PAYMENT WILL BE MADE BASED ON UNIT PRICES AND ACTUAL AMOUNTS ONLY.

* NOT ESCALATED

Flanagan, Marc E.

From: John Lamprecht LAWES <john@lawes.org>
Sent: Friday, September 11, 2015 6:07 PM
To: Flanagan, Marc E.
Cc: Christine Lamprecht; Jamie Lyn Wyckoff
Subject: Re: NYSDEC: Katzman Recycling Site, Granville, Washington County, New York - Price Quotation Request for Direct Push Drilling Services

I'm sorry Marc, we'll have to decline to bid this. Since we do not have the MIP capability I was trying to pull it together utilizing another firm to supply the device and a technician - but was not able to make it happen. Good luck with your project and enjoy your weekend. JML

John Lamprecht, Vice President
Land, Air, Water Environmental Services, Inc.
(631) 874-2112

27 Years of Safe & Quality Contracting
Drilling & Environmental Services
A Certified WBE / DBE Firm

----- Forwarded Message -----
From: "Flanagan, Marc E." <MEFlanagan@trcsolutions.com>
To: "Christine@LAWES.org" <Christine@LAWES.org>
Sent: Wednesday, September 9, 2015 10:31 PM
Subject: NYSDEC: Katzman Recycling Site, Granville, Washington County, New York - Price Quotation Request for Direct Push Drilling Services

Good Evening Christine,

Here is another opportunity through the DEC contract however the site is located in northern NY. I wanted to afford you the opportunity to bid or decline to bid, given its location. Hopefully we get one down on the island soon.

TRC Engineers, Inc. (TRC) is requesting pricing for drilling services for a Remedial Investigation (RI) under D&B/TRC's Standby Engineering Contract No. D007620 with the New York State Department of Environmental Conservation (NYSDEC). The Katzman Recycling Site occupies an area of approximately twenty (20) acres near the intersection of County Route 26 and U.S. Route 22, south of the Village of Granville, Washington County, New York (see attached Site Plan).

A track-mounted direct-push drill rig will be used to advance approximately twenty-five (25) direct-push soil borings across the Site. A multi-interface probe (MIP) will be used to focus the proposed direct-push soil borings, soil sampling, and groundwater sampling locations primarily in the area surrounding the major debris piles and incinerator. The Contractor shall provide TRC field personnel with results and interpretation of the MIP data in the field. The boreholes will be advanced to an approximate depth of 25 feet below ground surface (bgs), unless directed otherwise by TRC. Continuous soil samples will be collected from the soil borings from the ground surface to the termination depth. A groundwater sample will be collected from each soil boring at 25 feet bgs or directly above the shallowest low permeability unit or from an interval selected based on MIP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO. 5-58-035
CONTRACT/WA NO. D007620-24
DIRECT PUSH SERVICES
PRICE QUOTATION

	ITEM DESCRIPTION	UNIT	QUANTITY	PARRATT WOLFF, INC. UNIT PRICE (1)	PARRATT WOLFF, INC. EXTENDED COST
1)	A. MOBILIZATION/DEMOBILIZATION INCLUDING SITE SETUP/ BREAKDOWN, CLEANUP, REPAIR, INITIAL AND FINAL EQUIPMENT DECONTAMINATION, TRAVEL, LODGING, MEALS AND LABOR *	LUMP SUM	1	$3,800.00	$3,800.00
	B. PROBE HOLE SETUP (2)	PER LOCATION	25	$50.00	$1,250.00
	C. HYDRANT PERMIT *	EACH	1		$0.00
	D. WATER USAGE *	PER 1,000 GALLONS	10		$0.00
2)	TEMPORARY DECONTAMINATION PAD INCLUDING ALL DECONTAMINATION EQUIPMENT AND SUPPLIES (3) B. MOBILE	LUMP SUM	1	$150.00	$150.00
3)	GEOPROBE SYSTEM OR EQUIVALENT WITH ASSOCIATED EQUIPMENT, TOOLS, SUPPLIES, ETC. NECESSARY TO COMPLETE ASSIGNED WORK	PER DAY (8 HOUR DAY ON-SITE)			
	C. ALL TERRAIN VEHICLE MOUNTED PROBE (1 PERSON CREW)	PER DAY	8	$1,200.00	$9,600.00
	G. CHARGE TO SUPPLY ADDITIONAL PERSON FOR CREW	PER PERSON PER 8 HOUR DAY ON SITE	8	$500.00	$4,000.00
4)	OVERTIME CHARGE FOR ON-SITE WORK (IN EXCESS OF 8 HRS) INCLUDING GEOPROBE SYSTEM AND 1 PERSON CREW	PER HOUR	16	$50.00	$800.00
5)	OVERTIME CHARGE FOR ADDITIONAL PERSON FOR CREW IN EXCESS OF 8 HRS	PER HOUR	16	$50.00	$800.00
6)	PROBE SAMPLING INCLUDING ALL EQUIPMENT AND SUPPLIES A. GROUNDWATER SAMPLE	PER SAMPLE	25	$30.00	$750.00
	C. MACRO CORE SOIL SAMPLE (APPROXIMATELY 2-INCH DIAMETER)	PER SAMPLE (2FT IN LENGTH)	313	$3.00	$939.00
17)	CONTAINERIZATION OF PROBING WASTE MATERIAL AND STAGING (ON PALLETS)				
	A. PROVIDE EMPTY DOT-APPROVED 55-GALLON DRUMS WITH SEALS, BUNGS AND LIDS	PER 55 GAL DRUM	5	$60.00	$300.00
	C. FILLING, MOVING (W/IN 0.25 MI. OF DRILL SITE) AND STAGING 55-GALLON DRUMS (PROBING WASTE, PURGE WATER, DECONTAMINATION WATER ON PALLETS, ETC.)	PER 55 GAL DRUM	5	$90.00	$450.00
22)	BENTONITE CHIPS*	PER BAG (50 LBS)	10	$15.00	$150.00
23)	COST FOR MIP EQUIPMENT/OPERATION (INCLUDES DIRECT PUSH MIP EQUIPMENT OPERATOR AND COST FOR DIRECT PUSH MIP EQUIPMENT) *	PER 10 HOUR DAY ON SITE	5	$4,530.00	$22,650.00
24)	CHARGE TO SUPPLY ADDITIONAL PERSON FOR MIP OPERATION *	PER PERSON PER 10 HOUR DAY ON SITE	5	$1,800.00	$9,000.00
				TOTAL	$54,639.00
				CPI INDEX ADJ. 2015 (2.46%)	$468.36
				TOTAL	$55,107.36

NOTES:

1. UNIT PRICES MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, SUPPLIES, SERVICES, TOOLS, DAILY TRAVEL, APPROPRIATE HEALTH AND SAFETY REQUIREMENTS AND EQUIPMENT, INCIDENTALS, TAXES, ETC. FOR PRICING PURPOSES ASSUME LEVEL D PERSONAL PROTECTION. PRICES FOR ALL MATERIALS INCLUDE INSTALLATION.

2. INCLUDES EQUIPMENT DECONTAMINATION BETWEEN EACH LOCATION.

3. THE TEMPORARY DECONTAMINATION PAD (MOBILE) SHALL BE CONSTRUCTED SO THAT DECONTAMINATION WATER CAN BE COLLECTED. UNIT PRICE MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES FOR CONSTRUCTION/SETUP AND REMOVAL OF DECONTAMINATION PAD, AND DISPOSAL OF MATERIALS USED TO CONSTRUCT DECONTAMINATION PAD.

4. QUANTITIES ARE ESTIMATES ONLY. ACTUAL AMOUNTS WILL VARY. PAYMENT WILL BE MADE BASED ON UNIT PRICES AND ACTUAL AMOUNTS ONLY.

* NOT ESCALATED

Contract Drilling and Testing

BUFFALO OFFICE
CORPORATE OFFICE
5167 South Park Avenue
Hamburg, NY 14075
p: 716.649.8110
f: 716.649.8051

ROCHESTER OFFICE
535 Summit Point Drive
Henrietta, NY 14667
p: 585.359.2730
f: 585.359.9668

ALBANY OFFICE
P.O. Box 2199
Ballston Spa, NY 12020

5 Knabner Road
Mechanicville, NY 12118
p: 518.899.7491
f: 518.899.7496

CORTLAND OFFICE
60 Miller Street
Cortland, NY 13045
p: 607.758.7182
f: 607.758.7188

www.sjbempire.net
info@sjbempire.net

September 15, 2015
Proposal #PBD-15-209

TRC Solutions
10 Maxwell Dr, Suite 200
Clifton Park, NY 12065

Attention: Marc E. Flanagan

Reference: ***Direct Push Drilling Services***
Katzman Recycling Site
Village of Granville
Washington County, NY

Dear Marc,

Pursuant to your email request, we are hereby submitting our proposal to perform Direct Push Drilling Services for the Katzman Recycling Site located in the Village of Granville, NY.

It is our understanding that the scope of work will include the following items:

1. Track mounted geo-probe rig to advance 25 direct push soil borings at the site.
2. Use of one (MIP) multi interface probe (by others)
3. Obtain continuous sampling to termination depth
4. Obtain groundwater sample at 25' BGS
5. Dedicated down hole sampling equipment
6. Decon with alconox
7. Containerize all waste in 55 gallon drums
8. Backfill holes with bentonite chips

We are available to begin this work within 10 days of receiving your notification to proceed. Please sign below as your acceptance / authorization for our services and return a copy of this proposal to our office.

Thank you for considering SJB Services, Inc. for your project, we look forward to working with you. If you should have any questions, please contact our office at any time.

Sincerely,
SJB SERVICES, INC.

Stanley J. Blas
President

PROPOSAL ACCEPTED BY: _____ DATE ACCEPTED: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO. 5-58-035
CONTRACT/WA NO. D007620-24
DIRECT PUSH SERVICES
PRICE QUOTATION

	ITEM DESCRIPTION	UNIT	QUANTITY	SJB	
				UNIT PRICE (1)	EXTENDED COST
1)	A. MOBILIZATION/DEMOBILIZATION INCLUDING SITE SETUP/ BREAKDOWN, CLEANUP, REPAIR, INITIAL AND FINAL EQUIPMENT DECONTAMINATION, TRAVEL, LODGING, MEALS AND LABOR *	LUMP SUM	1		$1,000.00
	B. PROBE HOLE SETUP (2)	PER LOCATION	25	$50.00	$1,250.00
	C. HYDRANT PERMIT *	EACH	1	$200.00	$200.00
	D. WATER USAGE *	PER 1,000 GALLONS	10	$50.00	$500.00
2)	TEMPORARY DECONTAMINATION PAD INCLUDING ALL DECONTAMINATION EQUIPMENT AND SUPPLIES (3)				
	B. MOBILE	LUMP SUM	1	$200.00	$200.00
3)	GEOPROBE SYSTEM OR EQUIVALENT WITH ASSOCIATED EQUIPMENT, TOOLS, SUPPLIES, ETC. NECESSARY TO COMPLETE ASSIGNED WORK	PER DAY (8 HOUR DAY ON-SITE)			
	C. ALL TERRAIN VEHICLE MOUNTED PROBE (1 PERSON CREW)	PER DAY	8	$950.00	$7,600.00
	G. CHARGE TO SUPPLY ADDITIONAL PERSON FOR CREW	PER PERSON PER 8 HOUR DAY ON SITE	8	$200.00	$1,600.00
4)	OVERTIME CHARGE FOR ON-SITE WORK (IN EXCESS OF 8 HRS) INCLUDING GEOPROBE SYSTEM AND 1 PERSON CREW	PER HOUR	16	$120.00	$1,920.00
5)	OVERTIME CHARGE FOR ADDITIONAL PERSON FOR CREW IN EXCESS OF 8 HRS	PER HOUR	16	$30.00	$480.00
6)	PROBE SAMPLING INCLUDING ALL EQUIPMENT AND SUPPLIES				
	A. GROUNDWATER SAMPLE	PER SAMPLE	25	$25.00	$625.00
	C. MACRO CORE SOIL SAMPLE (APPROXIMATELY 2-INCH DIAMETER)	PER SAMPLE (2FT IN LENGTH)	313	$8.00	$2,504.00
17)	CONTAINERIZATION OF PROBING WASTE MATERIAL AND STAGING (ON PALLETS)				
	A. PROVIDE EMPTY DOT-APPROVED 55-GALLON DRUMS WITH SEALS, BUNGS AND LIDS	PER 55 GAL DRUM	5	$60.00	$300.00
	C. FILLING, MOVING (W/IN 0.25 MI. OF DRILL SITE) AND STAGING 55-GALLON DRUMS (PROBING WASTE, PURGE WATER, DECONTAMINATION WATER ON PALLETS, ETC.)	PER 55 GAL DRUM	5	$50.00	$250.00
22)	BENTONITE CHIPS*	PER BAG (50 LBS)	10	$50.00	$500.00
23)	COST FOR MIP EQUIPMENT/OPERATION (INCLUDES DIRECT PUSH MIP EQUIPMENT OPERATOR AND COST FOR DIRECT PUSH MIP EQUIPMENT) *	PER 10 HOUR DAY ON SITE	5	*	$0.00
24)	CHARGE TO SUPPLY ADDITIONAL PERSON FOR MIP OPERATION *	PER PERSON PER 10 HOUR DAY ON SITE	5	*	$0.00
				TOTAL	$18,929.00
				CPI INDEX ADJ. 2015 (2.46%)	$411.53
				TOTAL	$19,340.53

* CANNOT PROVIDE THIS SERVICE

NOTES:

1. UNIT PRICES MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, SUPPLIES, SERVICES, TOOLS, DAILY TRAVEL, APPROPRIATE HEALTH AND SAFETY REQUIREMENTS AND EQUIPMENT, INCIDENTALS, TAXES, ETC. FOR PRICING PURPOSES ASSUME LEVEL D PERSONAL PROTECTION. PRICES FOR ALL MATERIALS INCLUDE INSTALLATION.

2. INCLUDES EQUIPMENT DECONTAMINATION BETWEEN EACH LOCATION.

3. THE TEMPORARY DECONTAMINATION PAD (MOBILE) SHALL BE CONSTRUCTED SO THAT DECONTAMINATION WATER CAN BE COLLECTED. UNIT PRICE MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES FOR CONSTRUCTION/SETUP AND REMOVAL OF DECONTAMINATION PAD, AND DISPOSAL OF MATERIALS USED TO CONSTRUCT DECONTAMINATION PAD.

4. QUANTITIES ARE ESTIMATES ONLY. ACTUAL AMOUNTS WILL VARY. PAYMENT WILL BE MADE BASED ON UNIT PRICES AND ACTUAL AMOUNTS ONLY.

* NOT ESCALATED

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO. 5-58-035
CONTRACT/WA NO. D007620-24
DIRECT PUSH SERVICES
PRICE QUOTATION

	ITEM DESCRIPTION	UNIT	QUANTITY	ZEBRA	
				UNIT PRICE (1)	EXTENDED COST
1)	A. MOBILIZATION/DEMOBILIZATION INCLUDING SITE SETUP/ BREAKDOWN, CLEANUP, REPAIR, INITIAL AND FINAL EQUIPMENT DECONTAMINATION, TRAVEL, LODGING, MEALS AND LABOR *	LUMP SUM	1	$1,675.00	$1,675.00
	B. PROBE HOLE SETUP (2)	PER LOCATION	25	$136.00	$3,400.00
	C. HYDRANT PERMIT *	EACH	1		
	D. WATER USAGE *	PER 1,000 GALLONS	10		
2)	TEMPORARY DECONTAMINATION PAD INCLUDING ALL DECONTAMINATION EQUIPMENT AND SUPPLIES (3) B. MOBILE	LUMP SUM	1	$354.00	$354.00
3)	GEOPROBE SYSTEM OR EQUIVALENT WITH ASSOCIATED EQUIPMENT, TOOLS, SUPPLIES, ETC. NECESSARY TO COMPLETE ASSIGNED WORK	PER DAY (8 HOUR DAY ON-SITE)			
	C. ALL TERRAIN VEHICLE MOUNTED PROBE (1 PERSON CREW)	PER DAY	8	$1,362.50	$10,900.00
	G. CHARGE TO SUPPLY ADDITIONAL PERSON FOR CREW	PER PERSON PER 8 HOUR DAY ON SITE	8	$273.00	$2,184.00
4)	OVERTIME CHARGE FOR ON-SITE WORK (IN EXCESS OF 8 HRS) INCLUDING GEOPROBE SYSTEM AND 1 PERSON CREW	PER HOUR	16	$136.00	$2,176.00
5)	OVERTIME CHARGE FOR ADDITIONAL PERSON FOR CREW IN EXCESS OF 8 HRS	PER HOUR	16	$136.00	$2,176.00
6)	PROBE SAMPLING INCLUDING ALL EQUIPMENT AND SUPPLIES				
	A. GROUNDWATER SAMPLE	PER SAMPLE	25	$10.00	$250.00
	C. MACRO CORE SOIL SAMPLE (APPROXIMATELY 2-INCH DIAMETER)	PER SAMPLE (2FT IN LENGTH)	313	$10.00	$3,130.00
17)	CONTAINERIZATION OF PROBING WASTE MATERIAL AND STAGING (ON PALLETS)				
	A. PROVIDE EMPTY DOT-APPROVED 55-GALLON DRUMS WITH SEALS, BUNGS AND LIDS	PER 55 GAL DRUM	5	$70.85	$354.25
	C. FILLING, MOVING (W/IN 0.25 MI. OF DRILL SITE) AND STAGING 55-GALLON DRUMS (PROBING WASTE, PURGE WATER, DECONTAMINATION WATER ON PALLETS, ETC.)	PER 55 GAL DRUM	5	$103.55	$517.75
22)	BENTONITE CHIPS*	PER BAG (50 LBS)	10	$5.00	$50.00
23)	COST FOR MIP EQUIPMENT/OPERATION (INCLUDES DIRECT PUSH MIP EQUIPMENT OPERATOR AND COST FOR DIRECT PUSH MIP EQUIPMENT) *	PER 10 HOUR DAY ON SITE	5	$1,380.00	$6,900.00
24)	CHARGE TO SUPPLY ADDITIONAL PERSON FOR MIP OPERATION *	PER PERSON PER 10 HOUR DAY ON SITE	5	$0.00	$0.00
				TOTAL	$34,067.00
				CPI INDEX ADJ. 2015 (2.46%)	$625.87
				TOTAL	$34,692.87

NOTES:
1. UNIT PRICES MUST INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, SUPPLIES, SERVICES, TOOLS, DAILY TRAVEL, APPROPRIATE HEALTH AND SAFETY REQUIREMENTS AND EQUIPMENT, INCIDENTALS, TAXES, ETC. FOR PRICING PURPOSES ASSUME LEVEL D PERSONAL PROTECTION. PRICES FOR ALL MATERIALS INCLUDE INSTALLATION.

2. INCLUDES EQUIPMENT DECONTAMINATION BETWEEN EACH LOCATION.

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4. QUANTITIES ARE ESTIMATES ONLY. ACTUAL AMOUNTS WILL VARY. PAYMENT WILL BE MADE BASED ON UNIT PRICES AND ACTUAL AMOUNTS ONLY.

* NOT ESCALATED

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
KATZMAN RECYCLING, SITE NO. 5-58-035
DEC CONTRACT/WA NO. D007620-24
EQUIPMENT PRICE QUOTATION SUMMARY

	Pine				TRS Environmental				Geotech			
Equipment and Consumables	**Unit:**	**Unit Rate:**	**Unit:**	**Unit Rate:**	**Unit:**	**Unit Rate:**	**Unit:**	**Unit Rate:**	**Unit:**	**Unit Rate:**	**Unit:**	**Unit Rate:**
1) Photoionization Detector	week	$ 120.00	Day	$ 45.00	week	$ 228.00	Day	$ 80.00	week	$ 150.00	Day	$ 50.00
2) Oil-Water Interface Probe	week	$ 84.00	Day	$ 27.00	week	$ 122.00	Day	$ 43.00	week	$ 100.00	Day	$ 35.00
3) Groundwater Multi-parameter meter	week	$ 180.00	Day	$ 75.00	week	$ 265.00	Day	$ 93.00	week	$ 270.00	Day	$ 90.00
4) Peristaltic Pump	week	$ 45.00	Day	$ 15.00	week	$ 75.00	Day	$ 26.00	week	$ 60.00	Day	$ 20.00
5) Tubing (teflon lined 1/4 OD)	LF	$ 1.00	---	---	LF	---	---	---	LF	---	---	---
6) Dust Monitor (2 Monitors)	week	$ 540.00	Day	$ 180.00	week	$ 580.00	Day	$ 204.00	week	---	Day	---
7) Dust Monitor Tripod Set Up	week	$ 60.00	---	---	week	---	---	---	week	---	Day	---
8) 45-Micron Inline Filter	each	$ 16.50										
9) Pressure Transducer	week	$ 117.00										
10) GPS	week	$ 360.00	Day	$ 120.00	week	---	Day	---	week	---	Day	---

New York State Department of Environmental Conservation - Division of Environmental Remediation

Standby Engineering Contract Work Assignment Package Checklist

Contracts Executed After 2010 (D007617 - D007626)

Contractor Name: D&B/TRC Joint Venture **Date: 9/28/15**

WA No. and Name: D007620-24 Katzman Recycling **Reviewer: M.Flanagan**

	WORK ASSIGNMENT PACKAGE	Yes	No	Comments
	Includes a cover letter, completed WA Package checklist, Scope of Work (Schedule 1), Budget (Schedule 2.11(a)-(g)), relevant subcontractor documentation, and an M/WBE Utilization Plan.	X		
1	**Cover Letter**			
	Provides explanation for significant differences between the costing tool report and the scope of work and budget submitted.	X		
	For amendments, provides an explanation of changes in scope of work and/or budget by task. Includes total dollar value of amendment being requested.			NA
2	**Schedule 1 (Scope of Work)**			
	Includes breakdown of tasks and subtasks.	X		
	Tasks in the scope of work match the tasks in the Schedule 2.11s.	X		
	Includes schedule for completion of tasks.	X		
	Duration of anticipated work does not exceed 24 months. (Work subsequent to that should be part of a future amendment or new work assignment.)	X		
	For amendments, includes new and previous tasks for a comprehensive scope of work.			NA
3	**Schedule 2.11(b) - Direct Labor Costs**			
	Average reimbursement rates are used for each year. Future years escalate 3%.	X		
	Hours are segregated by year.	X		
	Total cost for each NSPE level is shown.	X		
	Total direct labor cost matches amount on Schedule 2.11(a).	X		
	The Principal's (NSPE IX) labor hours budgeted for WA are less than 2% of the total.	X		
	Direct Administrative Labor Hours - is reasonable, i.e., admin LOE is within acceptable guideline of <4% of overall WA LOE. Justification is attached for any exceedance.	X		
	Total labor hours match hours on Schedule 2.11(g).	X		
4	**Schedules 2.11(c) - Direct Non-Salary Costs, Equipment and Consumables, Miscellaneous**			
	Rates listed in Schedule 2.11(c) are consistent with contract.	X		
	Rates for in-house and/or misc. costs match contract Schedule 2.10(b) or 2.10(c).	X		
	All costs are allowable, e.g., office telephone and office shipping cannot be reimbursed as a direct cost if they're included in ICR.	X		
	Quotes are included for any non-contract items (<u>including</u> consultant-owned equipment; equipment purchases and rentals; <u>excluding</u> air fare) greater than $1k. If sufficient number of quotes are unavailable, an engineer's estimate is provided. The low quote has been selected.	X		
	Site-dedicated equipment is identified as such and meets the requirements above.			NA
	Appropriate lodging/per diem/mileage rates are used.	X		
	Direct non-salary items are reasonable based on the scope of work (no. of field days, lodging, and field equipment usage).	X		
	Total of direct non-salary costs matches the amount on Schedule 2.11(a).	X		

5	**Schedule 2.11(d) - Cost-plus-fixed-fee Subcontracts**	**Yes**	**No**	**Comments**
	Proposed subcontractor is a DER-approved standby subcontractor for the firm. Subcontract is active and rates match the approved standby subcontract.	X		
	Proposed subcontractor is not a DER-approved standby subcontractor for the firm, but appropriate documentation was submitted to determine cost reasonableness.			NA
	• Rates match rates approved for that subcontractor under a different engineering firm.			NA
	• Rates are determined reasonable by other means and ICR is approved by CPS accountant.			NA
	A breakdown of direct labor and direct non-salary costs is provided.	X		
	Use of subcontractor is appropriate and justified	X		
	Subcontract Solicitation Record and Certification form has been submitted.	X		
	Total subcontract costs match amounts on Schedule 2.11(a).	X		
6	**Schedule 2.11(e) - Unit Price Subcontracts**			
	There are quotes for non-standby subcontracts >$1k. Bids are comparable (quantities and items) and provide unit costs plus job total. If sufficient number of quotes are unavailable, attempts to obtain the required amount of quotes are documented and an engineer's estimate has been provided. The low quote has been selected.	X		
	Standby Drillers (Two phase process) - Quotes from all standbys are attached. Proper unit costs and mobilization/demobilization costs are used. The low quote has been selected. Explanation for declinations has been provided.	X		
	Standby Labs and Data Validators (rotate use) - Unit costs match those in contract(s).			NA
	M/WBE - Cost reasonableness of sole/single source M/WBE contracts <$10k are documented by a comparable quote. If a quote is unavailable, attempts to obtain the quote are documented and an engineer's estimate or other cost comparison has been provided.	X		
	Cost reasonableness of single/sole source contracts are documented by comparable quotes. If quotes are unavailable, an explanation and an engineer's estimate or other cost comparisons (e.g., historical costs, pricing guides) have been provided.			NA
	Placeholders are used only for non-standby subcontractors and are justified.			NA
	Cost reasonableness of placeholder subcontractors are documented by an engineer's estimate or other cost comparisons.			NA
	Correct contract management fee is calculated only on non-professional unit priced subs >$10k and M/WBE firms from $1. (Management fee is not allowed on professional engineering firms, architects, or surveyors unless the contract specifically allows it.)	X		
	Use of subcontractors is appropriate and justified.	X		
	Subcontract Solicitation Record and Certification form(s) have been submitted.	X		
	Total subcontract costs match the amounts on Schedule 2.11(a).	X		
7	**Schedule 2.11(f) - Cost Control Report**			
	Individual 2.11(f)s equal Summary 2.11(f) and costs match those on 2.11(a).	X		
8	**Schedule 2.11(f) - Supplemental - Cost Control Report (subcontractors)**			
	Includes all applicable subcontracts and management fees (for unit price only).	X		
9	**Schedule 2.11(a)**			
	Rates for indirect costs and fixed fee match contract rates.	X		
	All numbers rolled up into Schedule 2.11(a) add up.	X		

SCHEDULE 3
M/WBE UTILIZATION PLAN
KATZMAN RECYCLING
WA No. D007620-24
REMEDIAL INVESTIGATION/FEASIBILITY STUDY

New York State Department Of Environmental Conservation
Office of Minority and Women's Business Program
625 Broadway, 10th Floor,Albany, New York 12233-5028
Phone: 518.402.9311 Fax: 518.402.9230
Website: www.dec.ny.gov Email: mwbe@gw.dec.state.ny.us

Version 2.1

Consultant / Contractor Detailed M/WBE-EEO Utilization Plan

Contractor Name:	DVIRKA AND BARTILUCCI CONSULTING ENGINEERS				
NYSDEC Contract No:	D007620	Contractor Federal ID:	112393559		
Contract Start Date:	03/31/2011	Contract End Date:	03/31/2018	Date Submitted:	09/28/2015
Contractor Address:	330 CROSSWAYS PARK DRIVE				
City:	WOODBURY	State:	New York	Zip Code	11797
Contractor E-mail:	mwright@db-eng.com	Contractor Phone Number:	516364980		

Contract Type:	Services / Technologies
Project Goals Based on:	Work Assignments
Project County:	Nassau
Authorized Representative Name:	MARIA WRIGHT
Authorized Representative Title:	CONTRACT MANAGER

M/WBE Contract Summary	%	Amount
1. NYSDEC Contract Amount	(A)	$50,000,000.00
2. Recipient Share (If Applicable)	(B)	
3. Total Project Amount (A + B) *	100 %	$50,000,000.00
4. MBE Project Goal %	15.	$7,500,000.00
5. WBE Project Goal %	5.	$2,500,000.00
6. M/WBE Total %	20	$10,000,000.00

EEO Contract Summary	%	No of Employees
7. Total Employees in this project	100 %	130
8. Total Goal -Minority Employees %	10	13
9. Total Goal - Female Employees %	10	13
10. EEO Combined Totals %	20	26

* - Goals apply on Total Project Amount

Section II - EEO Information: In order to achieve the EEO Goals, Minorities and Females are expected to be employed in the following Job categories. Please provide breakdown of Minority and Female Employees assigned to this project Only. If the EEO goals are not met please provide an explanation in the comments area.

Job Categories	Total Count of Minority Employees	Breakdown of Total Count of Minority Employees by Gender		Breakdown of Total Count of Minority Employees by Ethnicity				
		Male	Female	African American	Asian	Native American	Hispanic	White
Officials/ Managers	3		3					3
Professionals	34	14	20	1	10	1	5	17
Technicians	1	1		1				
Sales Workers	0							
Office/ Clerical	19	2	17		1		3	15
Craftsman	0							
Laborers	0							
Service / Workers	0							
Totals	57	17	40	2	11	1	8	35

Comments:

Please don't remove previous comments

Work Assignment D007620-24 - Katzman Recycling Site: The scope of work for this work assignment is for the performance of a remedial investigation and feasibility study . Costs for work were obtained from several M.WBE firms however their costs were not the low bid. The M.WBE firms that have been identified for use on this project include Susan Anacker PLS, PLLC for surveying services. We will continue to strive to meet the required goals under future work assignments for this contract. This utilization plan is prepared for one work assignment representative of only $455,524 out of the $50,000,000 and it is not representing the complete M/WBE participation for the entire $50,000,000 contract. Please refer to the our quarterly report for the summary of utilization for the entire contract to date.

Work Assignment D007620-1.1 - GE Waterford: The scope of work for this work assignment requires the provision of technical support to NYSDEC DER personnel for the preparation of a RCRA Part 373 permit. At this time, we will be providing professional services that do not require the use of subcontractors or subconsultants. As the project evolves, if there is a portion of the work that would be suitable to subcontract, D&B will work towards utilization of minority and women owned businesses. D&B will also strive to meet the required goals under future work assignments for this contract.

Work Assignment D007620-2.2- CWM Chemical Services: The scope of work for this work assignment requires the provision of technical support to NYSDEC DER personnel for the preparation of a RCRA Part 373 permit. Matrix New World Engineering Inc., a WBE, will be utilized for this project to support D&B with a geotechnical and engineering review. At this time, we have not identified any additional services that will require the use of subcontractors or subconsultants. As the project evolves, if there is a portion of the work that would be suitable to subcontract, D&B will work towards utilization of minority and women owned businesses. D&B will also strive to meet the required goals under future work assignments for this contract. This utilization plan is prepared for one work assignment representative of only $493,013 out of the $50,000,000 and it is not representing the complete M/WBE participation for the entire $50,000,000 contract. Please refer to the D&B's quarterly report for the summary of utilization for the entire contract to date.

Work Assignment D007620-3.1 - 1083 Route 32, Rosendale: The amended scope of work for this work assignment is for the

Section III - M/WBE Information: In order to achieve the M/WBE Goals, New York State Certified MINORITY/WOMEN-OWNED firms are expected to participate in the following manner.

Important: If there is NO M/WBE Vendor Participation please provide brief summary of Good Faith Documentation in the Comments. Do not enter NA or NONE in Vendor Name.

M/WBE Vendor Name	Federal ID	Vendor Status	Subcontract Amount	Start Date	End Date	Payment Date	Work Description
MATRIX NEW WORLD ENGINEERING, INC.	223057511	WBE	$67,826.00	12/31/2011	10/31/2013		Geotechnical Services
AZTECH TECHNOLOGIES INC.	161536343	WBE	$138,912.80	08/01/2012	03/01/2018		Drilling Services
CON-TEST ANALYTICAL LAB	004330814	WBE	$32,410.00	08/01/2012	03/01/2018		Analytical Services
PRECISION ENVIRONMENTAL SERVICES INC	141756196	WBE	$5,731.50	08/01/2012	03/01/2018		Direct Push Soil and Groundwater Sampling
YEC, INC.	133256807	MBE	$79,206.28	08/01/2012	03/01/2018		Surveying/Construction Observation
INNOVATIVE RECYCLING TECHNOLOGIES, INC.	113105454	WBE	$16,846.00	08/01/2012	06/30/2014		Disposal Services
CR ENVIRONMENTAL INC.	043259334	WBE	$9,820.00	09/15/2012	12/31/2012		Sediment coring and bathymetric survey
ECOLOGIC, LLC	161536712	WBE	$800.00	08/01/2013	12/31/2013		Wetland services
MICROBIAL INSIGHTS, INC.	621475854	WBE	$18,225.00	11/01/2014	10/31/2016		Laboratory Services
SUSAN ANACKER, PLS, PLLC		WBE	$20,098.50	11/15/2015	12/31/2016		Land Surveying Services
	Total Subcontract Amount		$389,876.08				

By printing name below, Contractor: 1.Certifies that the above information is true and complete as of this date. 2. If required, Will Provide good faith effort documentation to NYSDEC.

Important: Please don't attach this form manually to E-Mail instead Click Submit by E-mail button to send form via E-Mail.

Authorized Representative Signature (Print Name) **MARIA WRIGHT**

FOR NYSDEC MWBE UNIT USE ONLY

Approved By:

Approved Date: