April 1, 2013

Ms. Andrea Indelicato
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management, Room 1224
625 Broadway
Albany, New York 12233-7012

Subject: **Work Assignment D006132-18 Amendment 2**
Warrensburg Laundry and Dry Cleaning (Site Number 5-57-022) - Site Characterization

Dear Ms. Indelicato:

Shaw Environmental & Infrastructure Engineering of New York, P.C (Shaw), a CB&I company, is submitting the attached 2.11 budget summary amending our initial scope of work for the Warrensburg Laundry and Dry Cleaning Site (WLDC) (Site Number 5-57-022) located at 11 Richards Avenue, Warrensburg, Warren County, New York (Site). This scope of services discussed herein is based upon the initial Work Assignment (WA) D006132-18 provided to Shaw on December 7, 2010, Amendment 1 issued in April 2012, and evaluation of soil, vapor and groundwater summarized in the Final Site Characterization Report provided to NYSDEC in October 2012, a Site visit on February 6th, 2013 which involved NYSDEC, Warrensburg Department of Public Works (DPW), the property owner and Shaw representatives as well as recent direction provided to Shaw by the NYSDEC project manager. The results of the original scope of work indicated the necessity to complete additional assessment activities at the Site.

The intent of this amendment was to defer the additional costs incurred to:

- complete revisions to the draft report to include information provided by Environmental Data Resources, NETR Online, Warren County Real Property Tax Services, and additional comments from the NYSDEC (submitted to the NYSDEC on November 14, 2012);
- determine whether a reported utility trench exists adjacent to the WLDC;
- delineate the general orientation and location of this trench relative to the WLDC;
- secure the permits necessary to install the additional soil vapor sampling points and test pits; and,
- complete additional site sampling activities.

The anticipated new scope of work includes site visits, as well as the installation and sampling of six additional soil gas points in the ballast of the utility trench to determine whether it may be serving as a conduit for vapor phase transport offsite, specifically into or toward the nearby Warrensburg Health Center. An additional potential task is the advancement of a test pit/trench in the area where vapor phase and dissolved impacts have been observed (around MW-2/SG-3A and SG-2A) adjacent to WLDC to further characterize geologic conditions in the

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area. Note that this amendment also contains the time, costs and materials that were to be included in the original cost estimate as well as Amendment 1.

Project activities will be completed in accordance with this April 2013 cost estimate. Shaw assumes that the additional field work will be completed prior to May 2013. Subsequent to the completion of the field activities a revised Site Characterization Report will be completed prior to June 28, 2013. All field work will be completed within 45 days of mobilization to the site.

Shaw revised the cost estimate based on actual level of effort (LOE) by Shaw personnel as well as subcontractor invoices paid to date. The increased LOE included time to modify and amend the 2.11s a minimum of three times since July 2012, answer miscellaneous NYSDEC requests and questions, site visits and conference calls, as well as multiple revisions to text, tables and figures. The costs for the Level IX exceed the 2% allowed by the contract because a Shaw employee was requested at the last minute to oversee some site work in November and only the level IX was available. Financially, the original approved budget was $112,256; the revised budget (including the additional scope of work) is estimated at $144,978, the amendment for additional services is totaled at **$32,722**.

Please do not hesitate to contact either of us should you have any questions or comments regarding this 2.11 package.

Sincerely,

Heather A. Fariello

Heather Fariello, CHMM
Project Manager
CB&I

Please Reply To: Heather.Fariello
Phone: 518.785.2346
E-Mail Address: heather.fariello@cbi.com

Sincerely,

David C. Stoll

David C. Stoll, P.G.
Program Manager
CB&I

Please Reply To: Dave Stoll
Phone: 518.785.2362
E-Mail Address: dave.stoll@cbi.com

Attachments: Schedule 1
Schedule 2
Figure

April 1, 2013

Subject: **Schedule 1 for Work Assignment D006132-18 Amendment 2**
Warrensburg Laundry and Dry Cleaning - Site Characterization

Shaw Environmental & Infrastructure Engineering of New York, P.C, a CB&I company, (Shaw) is submitting the attached 2.11 budget summary amending our initial scope of work for the Warrensburg Laundry and Dry Cleaning Site (Site Number 5-57-022) located at 11 Richards Avenue, Warrensburg, Warren County, New York (Site). An amendment (Amendment 1) was issued to Shaw by the New York State Department of Conservation (NYSDEC) in April 2012 to collect additional samples to further characterize water quality within the production well at the Site and vapor phase concentrations in indoor air and the subsurface. This scope of services discussed herein is based upon the initial Work Assignment (WA) D006132-18 provided to Shaw on December 7, 2010, Amendment 1,an evaluation of soil, vapor and groundwater sampling, provided to NYSDEC in a Final Site Characterization report dated October 2012 as well as a Site visit on February 6th, 2013 which involved NYSDEC, Warrensburg Department of Public Works (DPW), the property owner, Shaw representatives and recent direction provided to Shaw by the NYSDEC Project Manager.

This additional amendment is needed to defer the time and expenses required to determine whether a reported utility trench exists adjacent to the WLDC, delineate the general orientation and location of this trench relative to the WLDC and advance several vapor phase sampling probes into the backfill/ballast of the trench to determine whether it may be serving as a conduit for vapor phase transport offsite, specifically into or toward the nearby Warrensburg Health Center. An additional potential task is the advancement of a test pit/trench in the area where vapor phase and dissolved impacts have been observed (around MW-2/SG-3A and SG-2A) adjacent to WLDC to further characterize geologic conditions in the area. These work tasks are detailed in Task 6 of this amendment.

Initial project activities were completed in accordance with the March 2011 cost estimate/work scope. Project activities for the additional investigative work (Amendment 1) were completed in June 2012. Subsequent to the completion of the field activities and the site survey a Final Site Characterization Report (SCR) was completed and submitted to the NYSDEC in October 2012. Shaw assumes that the additional field work will be completed prior to May, 2013. The SC will be revised and completed prior to June 28, 2013. Below is a summary of the previous approved scope of work including the additional SC activities (Task 6).

Task 1 – Preliminary Activities

This task includes a scoping meeting to discuss this project, complete the initial site visit with the NYSDEC Project Manager (PM) as well as the time to complete a file review (i.e. EDR Report review), develop the 2.11s, progress

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schedule, site - specific HASP, and prepare this executive summary.

This task includes the following items and assumptions:

- Scoping Meeting (2 meetings);
- Trip to the site (1 day);
- File review (2 days);
- Preparation of Site Specific HASP;
- 2.11s, progress schedule, and preparation of this executive summary.

Task 2 – Investigative Tasks

This task includes the time and materials required for the completion of site assessment activities that includes soil vapor, soil and groundwater sampling, and monitoring well installation.

Pre-Field Work Site Reconnaissance

As mentioned previously, the intent of this Site Characterization investigation is to further delineate the extent of impacts to the soil, groundwater and soil vapor at the site, to determine the need for long term groundwater and/or soil vapor intrusion monitoring. The primary objectives of this task were to coordinate site investigation activities with the current property owner/tenant (if necessary) and to verify the locations for all proposed soil gas, groundwater grab and monitoring well locations. Prior to mobilization, Shaw coordinated with the Underground Facilities Protection Organization (UFPO) and current project location personnel for clearance of subsurface utilities and services. The purpose of this coordination was to protect the health and safety of field personnel and to prevent damage to underground utilities during intrusive activities. Public and privately owned utilities were located by contacting responsible agencies/parties to provide mark-outs of underground utilities.

NYSDEC personnel were responsible for the initial notification and contact with the property owner to establish access.

Soil/Groundwater Sampling

Prior to the beginning of investigative activities, Shaw's drilling subcontractor obtained all necessary and required permits (State, County, Town, etc) to complete the drilling activities.

The scope of work included the advancement of seven (7) borings, five (5) of which were completed as monitoring wells. Four groundwater "grab" samples were collected during soil boring installation. Monitoring wells were constructed using 2-inch diameter, 10-foot length polyvinyl chloride (PVC) slotted screen (0.010-inch) and riser. All five monitoring wells were completed at grade with a locking curb box and secured in place with a

concrete apron. Locations were continuously screened for Volatile Organic Compounds (VOCs) with a calibrated photoionization detector (PID) and characterized using the USCS classification scheme to their determined depth.

One soil sample was collected per soil boring location for laboratory analysis. Samples were collected at the depth exhibiting the highest PID instrument response or visible staining or the soil/groundwater interface as detailed in Shaw's Field Activities Plan (FAP, submitted earlier to the NYSDEC under separate cover).

Additionally, quality control samples were collected using the ratio of 1 per 20 as detailed in Shaw's FAP. All soil samples were analyzed for VOCs according to United States Environmental Protection Agency (US EPA) method 8260, semi-volatile organic compounds (SVOCs) using US EPA method 8270C, total metals by US EPA method 6010A and polychlorinated biphenyls (PCBs), using US EPA method 8082.

The newly installed monitoring wells were developed no sooner than 24 hours after installation and allowed to stabilize for two weeks. Development of each monitoring well included a combination of surging the well and pumping to remove groundwater from the well and was considered complete when either the turbidity was below 50 NTUs, ten calculated well volumes were removed or if the groundwater parameters (pH, specific conductivity, dissolved oxygen, turbidity, ORP, and temperature) had stabilized, whichever occurred first.

After the two week "rest" period, Shaw collected a groundwater sample from each of the five newly installed monitoring wells, existing monitoring wells installed by Chazen Companies as part of the Econoquick investigation (MW-19, MW-20 and MW-21) and MW-12 installed in 2001 as determined in consultation with the NYSDEC. All groundwater samples, including the groundwater grab samples, were collected via low-flow techniques until the parameters stabilize and at least one well volume had been removed. In addition, quality control samples (MS/MSD, duplicate, rinse blank and a trip blank, 1 per 20) were collected for analysis. All groundwater samples were analyzed for VOCs, SVOCs and total metals by US EPA methods 8260, 8270C and 7000/6010A, respectively. All groundwater samples were entered onto a chain-of-custody (COC), placed into a properly packaged cooler and sent to Upstate, an approved ELAP certified laboratory, for analysis.

Soil Gas Sampling

Soil gas samples were collected to assess the potential for vapor intrusion in this area. Seven air samples were collected as part of this investigation (five soil gas, one ambient air and one soil gas duplicate). Additionally two temporary sub-slab soil vapor samples (SS-1 and SS-2) were collected inside the on-site building. These locations were determined in consultation with the NYSDEC PM.

The five borings were advanced to approximately 10 feet below ground surface to evaluate soil vapor conditions at the offsite property. The borings were completed as "permanent" soil vapor points to facilitate the collection of soil vapor samples. A helium leak detection test was performed to ensure the seal is "tight" as detailed in our FAP. Approximately one to three volumes of air were purged at a flow rate of less than 0.2 liters/minute. When a sufficient volume was removed, the 1.4-liter summa canister with an 8-hour regulator (both batch certified) was

attached to the tubing. All soil vapor samples were collected concurrently. One duplicate sample and one ambient air sample were collected during the same time as the soil gas samples.

The temporary sub-slab samples were installed beneath the concrete slab advanced to approximately 12 inches below grade, terminating approximately 1 inch beneath the concrete slab. The temporary sub-slab samples were collected concurrently with the soil vapor samples discussed earlier in this section.

Shaw recorded the serial number of each canister and associated regulator on the COC form and field notebook/sample form. The assigned sample identification was placed on the canister identification tag and recorded on the COC and field notebook/sample form. Additionally, the gauge pressure and sample start time were recorded. Pursuant to the approved sampling methodology and guidance, the vacuum gauge pressure read -25 inches mercury (Hg) or less, or the canister was used and replaced. A digital photograph of each canister setup and surrounding area was taken for the project files to document the set-up.

Sampling continued until approximately 5-inches Hg remained in the canister. Once sampling was complete, Shaw installed the plug on the canister inlet fitting, place the sample container in the original box and completed the sample collection log with the appropriate information and log each sample on the COC form.

Soil vapor samples were shipped under proper chain of custody to Upstate, an approved ELAP certified laboratory, for analysis of volatile organic compounds (VOCs) by EPA method TO-15 to an accuracy of 1 $\mu g/m^3$ and 0.25 $\mu g/m^3$ for trichloroethene (TCE).

An inspection of general site conditions was performed at the Site or sampling locations during soil gas sample collection and included the following activities:

- Documentation of exterior weather conditions and inside temperature.
- Ambient air (indoor and outdoor) screening using field equipment (i.e. ppb PID or similar)
- Documentation of building contents, materials in storage, general building conditions

This task (Task 2) included the following assumptions:

- Monitoring well installation: 14 days with Shaw oversight
- Soil vapor point installation: 1 day with Shaw oversight
- Well Development: 1 day
- Groundwater sampling via low-flow techniques: 3 days

Task 3 – Site Survey

On June 7th 2011, Santo Associates Land Surveying of Clifton Park, New York (Santo) completed a survey of the Site, surrounding properties, and the new/historic groundwater monitoring wells. Santo provided Shaw with coordinates for each of the sample locations using a NYS Plane NAD 1983 datum, and monitoring well elevations using NAVD 1988 datum. Using the information provided by Santo, Shaw determined the groundwater elevation of each of the monitoring wells, and created a groundwater contour map for the sampling event.

Task 4 – Site Characterization Report

Once the validated data had been received, a Site Characterization Report (SCR) was prepared. The report included analytical data and field investigative activities, tabulated data, figures, boring logs, sample location maps, local groundwater flow direction, and "spider" maps for detections of compounds above their applicable guidance criteria.

Once NYSDEC comments were received, Shaw incorporated them into the final report. Shaw then issued NYSDEC one copy of the final report including, text, tables, figures/maps (i.e. site location, analyte detections for each media, etc), photographs, etc in "bookmarked" pdf format on compact disc as well as the number of hard copy reports requested by the NYSDEC.

Task 5 – Additional Site Characterization Activities / Report – Amendment 1

Indoor Slab Coring and Soil Sample Collection

Upon direction from the NYSDEC PM, Shaw personnel cored through the concrete slab of the Dry Cleaner building utilizing a Hilti DD 130 concrete coring apparatus. The slab was approximately 3-inches thick. Polyethylene curtains were used to make an enclosure to keep the coring dust from adversely affecting the business. The soil beneath the slab consisted of beige, poorly sorted medium sand. Soil sample ISS-1 was obtained approximately 10 inches beneath the base of the slab; a duplicate sample was also collected. The sample was collected from the coin laundry portion of the building, which based on Shaw's field observations, appeared to have been constructed on a separate slab from the dry cleaning portion. The samples were secured, shipped to Upstate, and analyzed for VOCs via EPA Method 8260, SVOCs via EPA Method 8270, PCBs via EPA Method 8082 and total metals via EPA Method 6010/6020.

Sub-Slab Vapor Point Installation and Sampling

Shaw, NYSDEC Project Manager, the property owner, and representatives of the NYSDOH returned to the Site to discuss additional investigative activities that would need to be performed in order to complete the SC. The

following summarizes field tasks executed to adequately define vapor phase impacts and active production well water quality, as requested by the NYSDEC and NYSDOH.
Shaw personnel returned to the Site on March 12, 2012 to collect a third sub-slab vapor sample (identified as SS-3). The sub-slab sample point was installed beneath the concrete slab terminating approximately 6 inches below surface grade and 1 inch below the slab.

The building contents, materials in storage, general building conditions, weather conditions, temperature, and pertinent PID readings were surveyed, photographed, and documented during preparation of the questionnaire required by NYSDOH's *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006 guidance) prior to the collection of the samples.

Also, prior to sampling, a tracer gas test was completed in accordance with NYSDOH's October 2006 guidance to ensure that no ambient air was infiltrating into the sample interval. Upon completion of a successful tracer gas test, the tubing was purged of approximately two to three probe volumes at a flow rate of less than 0.2-liters per minute. PID readings were collected and recorded during the purging process.

Individually certified 6-liter summa canisters, fitted with eight-hour flow regulators, were used to collect sub-slab vapor (SS-3 and Dup.) and ambient outdoor air samples. The outdoor ambient sample was collected from a summa canister placed on a stone pile located upwind 10 feet to the northwest of the Site production well at a height within the breathing zone. Upon completion of sample collection, the summa canisters were secured, packaged, and shipped to Air Toxics Laboratory of Folsom, California (Air Toxics) for analysis of VOCs by EPA Method TO-15 to an accuracy of 1 $\mu g/m^3$ and 0.25 $\mu g/m^3$ for TCE.

Following sub-slab sampling, SS-3 was completed as a permanent sub-slab vapor sampling location. SS-3 was installed using a rotary hammer drill equipped with a 0.75-inch bit to advance a small boring 1-inch beneath the slab. The boring was then countersunk to approximately 3-inches below grade with a 1-inch bit to facilitate sample point construction. A stainless steel vapor implant was attached to laboratory grade Teflon® tubing, and placed in the drill bore. Morie Sand was used to fill the annular drill bore space, and cement grout was applied at approximately 2-inches below grade to seal the implant. The tubing was attached to a stainless steel Swagelok fitting and grouted in place at the surface of the slab.

Soil Vapor Point Installation and Sampling

Aztech returned to the Site and installed five soil vapor points to depths ranging from 5.5 to 10 feet bgs in order to reexamine the potential for vapor intrusion at the Site; locations were determined in consultation with NYSDEC and NYSDOH representatives. Once the desired depth was reached, a stainless steel screen attached to a dedicated section of laboratory grade Teflon® tubing and placed in the borehole. The borehole was backfilled with glass beads to a minimum of 6-inches above the screened interval. Bentonite was then placed above the glass beads to approximately 1-foot below the ground surface and allowed to cure for 24-hours prior to sampling. The laboratory grade tubing was capped with a stainless steel Swagelok fitting and then secured in place at grade within a cemented roadbox.

Five soil gas samples (identified as SG-1A, SG-2A, SG-3A, SG-4 and SG-5) were collected from locations encompassing the on-site building. SG-1A and SG-2A were installed to 10 feet below grade, SG-3A was installed to 5.5 feet below grade, and SG-4 and SG-5 were installed to 9.5 feet bgs.

Prior to sampling, a tracer gas test was completed in accordance with NYSDOH's October 2006 guidance to ensure that no ambient air was infiltrating into the sample interval. Upon completion of a successful tracer gas test, the tubing was purged of approximately two to three probe volumes at a flow rate of less than 0.2-liters per minute. PID readings were collected and recorded during the purging process, as well.

Production Well Sampling

At the request of the NYSDEC, the WLDC production well was sampled. The production well was allowed to purge for a minimum of 10 minutes prior to sample collection by running the water. Upon facility direction referencing previous sampling events, the production well sample was collected from a tap located just off the coin-operated laundry area in the commercially driven portion of the building. The samples, which included a field duplicate and matrix spike/matrix spike duplicate set, were shipped on ice under proper chain-of-custody and sent to Chemtech Consulting Group of Mountainside, New Jersey (Chemtech), where they were analyzed for VOCs by EPA Method 524.2/502.2.

Task 6 – Utility Trench Investigation – Amendment 2

Site Visit – Warrensburg Health Center

Shaw returned to the Site in the fall at the direction of the NYSDEC to oversee construction activities at a nearby property. The purpose of the oversight was to determine how construction activities at the nearby site may impact the ongoing investigation at the WLDC Site (including discussions with the Town Supervisor.)

Project Meeting

On January 15, 2013, Shaw staff met with NYSDEC at their offices to discuss the project and additional work at the Site. As part of this meeting, NYSDEC requested that Shaw investigate the utility trench near the Site.

Site Meeting

On February 6, 2013, Shaw staff mobilized to the site to meet Jim Harrington (NYSDEC), Daniel Eaton (NYSDEC), Kuldeep Gupta (NYSDEC), Andy Frank (NYSDEC), Chuck Mineo (Property owner), and Tom Beldon (Warrensburg DPW). The purpose of this visit was to review the proposed scope of work in relation to field conditions and determine the approximate location and orientation of the utility trench.

Additional Soil Vapor Sampling and Utility Trench Investigation

A GPR survey will be conducted to determine if there are any utilities in the existing trench as well as confirming the orientation, location, width, etc of the trench, should it be found. As discussed during the February 6, 2013 on-site meeting, three soil vapor implants will be installed on Richards Avenue, in front of the current Health Center (points 1-3 on attached figure). Two samples will be collected in the utility trench (points 4 and 5 on figure) and one additional soil vapor point will be installed where the new Health Center will be located (point 6 on attached figure).

Aztech will install two temporary soil vapor points samples (identified as SG-6 through SG-7) to depths ranging from 4 to 6 feet bgs in the utility trench ballast to determine if this is a preferential pathway for soil vapor migration or transport in these areas (see attached Figure). At the other four locations, Aztech will install the soil vapor points (SG-8 through SG-11) between 5.5 and 10 feet bgs. All locations will be determined in consultation with NYSDEC and NYSDOH representatives. Once the desired depth is reached, a stainless steel screen will be attached to a dedicated section of laboratory grade Teflon® tubing and placed in the borehole. The borehole will be backfilled with glass beads to a minimum of 6-inches above the screened interval. Bentonite will be then then placed above the glass beads to approximately 1-foot below the ground surface and allowed to cure for 24-hours prior to sampling. The laboratory grade tubing will be capped with a stainless steel Swagelok fitting. Additionally, air samples from two existing locations, SG-2A and SG-3A will be collected as discussed during the February 6 site meeting.

Prior to sampling, a tracer gas test will be completed in accordance with NYSDOH's October 2006 guidance to ensure that no ambient air is infiltrating into the sample interval. Upon completion of a successful tracer gas test, the tubing will be purged of approximately two to three probe volumes at a flow rate of less than 0.2-liters per minute. PID readings will be collected and recorded during the purging process, as well.

Batch certified 6-liter summa canisters, fitted with eight-hour flow regulators, will be used to collect the soil gas samples. A total of ten samples will be collected: one from each soil gas implant, two from existing locations, one duplicate sample and one ambient outdoor air samples. The outdoor ambient sample will be collected from a summa canister placed in an upwind location at a height within the breathing zone. Upon completion of sample collection, the summa canisters will be secured, packaged, and shipped to Air Toxics Laboratory of Folsom, California (Air Toxics) for analysis of VOCs by EPA Method TO-15 to an accuracy of 1 $\mu g/m^3$ and 0.25 $\mu g/m^3$ for TCE. All field data will undergo third-party investigation.

Test Pit/Trench

The purpose of the test pit/trench is to determine soil type, and conditions in and near the apparent soil vapor source. Soil quality in the area is poor and representative samples were unable to be collected during previous investigative activities. The test pit excavation will depend on the results of the GPR survey specifically the orientation of any utility or similar potential obstructions. Shaw expects to use a 2-foot bucket excavation to dig a trench approximately 32-feet by 8-feet in size and 4 to 6-feet in depth. Soils from the test pit will be screened

with a PID and "hot" locations (i.e. greater than 50 ppm) will be sampled for VOC analysis by US EPA Method 8260. The samples, which will include a field duplicate and MS/MSD set, will be shipped on ice under proper chain-of-custody and sent to Chemtech. For budgeting purposes, it is assumed that a total of eight samples (including the QA/QC samples) will be collected. All field data will undergo third-party review.

Finally, a C B&I representative will speak with the owner of the WLDC regarding any work that may have occurred with the septic lines and septic tank near the corner of the building and between SG-2A and SG-3A. The purpose of this information is to determine what is happening in this area.

A professional site survey can be done at the NYSDEC's request.

Finalization of Site Characterization Report

Once the validated data has been received, the existing final SCR will be amended to include the results of the additional work. The report will be issued to the NYSDEC for review no later than 30 days after receiving all validated site sampling data.

Shaw will issue NYSDEC one copy of the final report including, text, tables, figures/maps (i.e. site location, analyte detections for each media, etc), photographs, etc in "bookmarked" pdf format on compact disc as well as the number of hard copy reports requested by the NYSDEC.

Additionally, Shaw will submit all original chain of custodies, any related sampling and inspection forms as well as a copy of any data usability reports to the NYSDEC.

This task includes the following items and assumptions:

- Trip to Site (1 Day)
- GPR survey (1 day)
- Installation of 6 soil gas implants (1 day)
- Sample collection – soil gas (1 day)
- Test Pits (1 day)
- Shaw Labor

Schedule

Field work will be scheduled within 30 days of submission and approval of this Executive Summary/Scope of Work. Upon approval of the scope of work and approval of site access by the NYSDEC, Shaw will schedule the field work with the approved geoprobe contractor. The following schedule is proposed:

- Shaw will include information from the earlier investigations in the final report.
- Shaw will schedule a site visit within 2 weeks of the 2.11 approval.
- Shaw will coordinate with the drilling subcontractor schedule to minimize the impact to site operations and expedite the sampling effort. The work start time will be determined by the Shaw site supervisor and may vary depending on weather and site conditions.
- Analytical results will be received in a Category B deliverable format from the ELAP-approved laboratory within 28 days of sample receipt.
- All samples collected during the site investigation will be submitted to an approved third party data validation contractor. The data validation contractor will provide a data validation/usability report within 30 days of receipt of analytical results.
- The results of these investigative activities will be included in an amended final SCR discussing all historical data summary, site survey information, analytical data and field investigative activities. The report will include tabulated data, figures, boring logs, sample location maps, local groundwater flow direction, and "spider" maps for detection of compounds above their applicable guidance criteria. The draft report will be submitted to the NYSDEC for review and comment within 90 days after completion of field work.
- Shaw will revise the summary report according to the comments provided by the NYSDEC. The report and EDD will be provided to the NYSDEC and NYSDOH within 30 days after receipt of comments.

Warrensburg Laundry & Dry Cleaning, Inc,

Site No. 5-57-022

Work Assignment Cost Schedule 2.11

New York State Department of Environmental Conservation
Superfund Standby Contract

Work Assignment #: D006132-18

Amendment 2

Apr-13

This cost schedule represents costs for the tasks of Preliminary Activities (Task 1), Investigative Tasks (Tasks 2), Site Survey (Task 3), Site Characterization Report (Task 4), Additional Site Characterization Activities / Report (Task 5) and Utility Trench Investigation (Task 6).

NYSDEC Project Manager: Kuldeep Gupta

Shaw Environmental and Infrastructure Engineering of New York, P.C., a CB&I Company

Shaw Project Manager: David Stoll

Schedule 2.11(a) Supplement for Amendments
Summary of Work Assignment Price
Warrensburg Laundry and Dry Cleaning/Site No. 5-57-022, D006132-18/Amendment Number 2

			Existing Price	Amendment	Revised Price
1) Direct Salary Costs (Schedule 2.10(a) and 2.11(b))			$13,782	$15,301	$29,083
2) Indirect Costs (Schedule 2.10(g))			$15,849	$17,597	$33,446
3) Direct Non-Salary Costs (Schedule 2.10(b)(c), and 2.11(c)			$9,224	$858	$10,082
4) Subcontract Costs					
● Cost-Plus-Fixed-Fee Subcontracts (Schedule 2.10(e) and 2.11(d)					
Name of Subcontractor		Services Performed			
i)					
ii)					
iii)					
iv)					
A) Total Cost-Plus-Fixed-Fee Subcontracts					
● Unit Price Subcontracts (Schedule 2.10(f) and 2.11(e)					
Name of Subcontractor		Services Performed			
i)	Aztech (WBE)	Drilling services	$32,068	-$1,301	$30,768
ii)	Upstate	Analytical - Soil/GW	$22,252	-$9,139	$13,113
iii)	Validata	Validation	$3,697	-$890	$2,808
iv)	Santo	Survey	$1,900	$0	$1,900
v)	Clean Harbors	UST/Drum Removal	$3,564	$1,813	$5,377
vi)	Environmental Data Resources	Report	$550	-$200	$350
vii)	Air Toxics	Analytical - Air	$2,706	$3,468	$6,174
viii)	Chemtech (MBE)	Analytical - Soil/GW	$485	$520	$1,005
ix)	New York Leak Detection, Inc.	GPR survey	$0	$1,375	$1,375
B) Total Unit Price Subcontracts			$67,223	-$4,353	$62,869
C) Subcontract Management Fee			$2,740	-$496	$2,244
D) Total Subcontract Costs (lines 4A + 4B + 4C)			$69,963	-$4,849	$65,114
5) Fixed Fee (Schedule 2.10(h))			$3,437	$3,816	$7,253
6) Total Work Assignment Price (Lines 1 + 2 + 3 + 4D + 5)			$112,256	$32,722	$144,978

Footnote: 2.10 Schedules refer to Contract Schedules
2.11 Schedules to Schedule 2 forms
Total Work Assignment Price and Total Tasks would be the same.

Schedule 2.11(a) Supplement for Amendments

Task Number/Name	Existing Price	Amendment	Revised Price
Task 1 - Preliminary Activities	$10,480	$5,462	$15,942
Task 2 - Investigative Tasks	$78,273	-$8,883	$69,389
Task 3 - Site Survey	$3,059	$1,979	$5,039
Task 4 - Site Characterization Report	$6,549	$14,165	$20,714
Task 5 - Additional Site Characterization Activities / Report	$13,895	$139	$14,034
Task 6 - Utility Trench Investigation	$0	$19,860	$19,860
Total Tasks	**$112,256**	**$32,722**	**$144,978**

Engineer/Contract#: D006132
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Date Prepared: 4/1/2013 10:05

Schedule 2.11(b)

Direct Labor Hours Budgeted

Labor Classification	**IX**		**VIII**		**VII**		**VI**		**V**		**IV**		**III**		**II**		**I**		**Total Direct Labor Hours**	
*Av. Salary Rate ($) (Year: 2011)	$57.02		$47.94		$43.56		$37.53		$33.48		$30.00		$25.73		$20.13		$14.71			
Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost		
Task 1	2	$114.04		$0.00		$0.00	3	$112.59		$0.00	51	$1,530.00	32	$823.36	21	$422.73		$0.00	109	$3,002.72
Task 2	3	$171.06		$0.00		$0.00	4	$150.12	1	$33.48		$0.00	205	$5,274.65	43	$865.59		$0.00	256	$6,494.90
Task 3	1	$57.02		$0.00		$0.00	1	$37.53		$0.00		$0.00	34	$874.82	12	$241.56		$0.00	48	$1,210.93
Task 4	3	$171.06		$0.00		$0.00	4	$150.12	0	$0.00	18	$540.00	79	$2,032.67	40	$805.20		$0.00	144	$3,699.05
Total Hours	9		0		0		12		1		69		350		116		0		557	
Total Direct Labor Cost		$513.18		$0.00		$0.00		$450.36		$33.48		$2,070.00		$9,005.50		$2,335.08		$0.00		$14,407.60

Labor Classification	**IX**		**VIII**		**VII**		**VI**		**V**		**IV**		**III**		**II**		**I**		**Total Direct Labor Hours**	
*Av. Salary Rate ($) (Year: 2012)	$58.54		$49.22		$44.72		$38.52		$34.37		$30.80		$26.41		$20.66		$15.10			
Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost		
Task 1	7	$409.78	0	$0.00		$0.00	36	$1,386.72		$0.00		$0.00		$0.00	10	$206.60		$0.00	53	$2,003.10
Task 2		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 3		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 4		$0.00		$0.00		$0.00	50	$1,926.00	16	$549.92	0	$0.00	40	$1,056.40	60	$1,239.60	0	$0.00	166	$4,771.92
Task 5	1	$58.54		$0.00		$0.00	12	$462.24	24	$824.88	1.5	$46.20	30	$792.30	10	$206.60	3.5	$52.85	82	$2,443.61
Task 6	2	$117.08	0	$0.00	0	$0.00	0	$0.00	21	$721.77		$0.00		$0.00	6	$123.96	0	$0.00	29	$962.81
Total Hours	10		0		0		98		61		1.5		70		86		3.5		330	
Total Direct Labor Cost		$585.40		$0.00		$0.00		$3,774.96		$2,096.57		$46.20		$1,848.70		$1,776.76		$52.85		$10,181.44

Labor Classification	**IX**		**VIII**		**VII**		**VI**		**V**		**IV**		**III**		**II**		**I**		**Total Direct Labor Hours**	
*Av. Salary Rate ($) (Year: 2013)	$59.78		$50.26		$45.67		$39.34		$35.09		$31.45		$26.97		$21.10		$15.42			
Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost		
Task 1	8	$478.24	0	$0.00	0	$0.00	16	$629.44	0	$0.00	0	$0.00	8	$215.76	6	$126.60	0	$0.00	38	$1,450.04
Task 2		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 3		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 4		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 5		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	0	$0.00
Task 6	5	$298.90	0	$0.00		$0.00	10	$393.40	8	$280.72	8	$251.60	8	$215.76	76	$1,603.60		$0.00	115	$3,043.98
Total Hours	13		0		0		26		8		8		16		82		0		153	
Total Direct Labor Cost		$777.14		$0.00		$0.00		$1,022.84		$280.72		$251.60		$431.52		$1,730.20		$0.00		$4,494.02
Total Hours	32		0		0		136		70		78.5		436		284		3.5		1040	
Total Direct Labor Cost Years: 2011 -2013		$1,875.72		$0.00		$0.00		$5,248.16		$2,410.77		$2,367.80		$11,285.72		$5,842.04		$52.85		$29,083.06

* For multiple years use one average salary rate row for each year and each years subtotal Labor Cost

Engineer/Contract#: D006132
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Date Prepared: 4/1/2013 10:05

Schedule 2.11(b)1
Direct Administrative Hours Budgeted

Labor Classification	IX	VIII	VII	VI	V	IV	III	II	I	Total Direct Administrative Labor
Task 1	1			3		1		2		7
Task 2										0
Task 3							2			2
Task 4	2					3		2		7
Task 5	1					2		1		4
Task 6	1			2						3
Task 7										0
Task 8										0
Task 9										0
Task 10										0
Task 11										0
Task 12										0
Total Hours	5	0	0	5	0	6	2	5	0	23

Contract/Project administrative hours would include (subject to contract allowability) but not necessarily be limited to the following activities:

1) Work Plan Budget Development
   - Conflict of Interest check

2) Review work assignment (WA) progress
   Supporting documentation

2) Review work assignment (WA) progress
   - Conduct progress reviews
   - Prepare monthly progress schedule
   - Update WA progress schedule
   - Prepare M/WBE Utilization Report

3) Contractor Application for Payment (CAP)
   - Oversee and prepare monthly CAP

4) Program Management
   - Prepare monthly cost control report
   - Cost control report
   - Staffing plans
   - Manage Subcontracts
   - NSPE list update
   - Equipment inventory

5) Miscellaneous
   - Conduct Health and Safety Reviews
   - Work processing and graphic artists
   - Report editing

Contract/Project administrations hours would **not** include:
1) QA/QC reviews
2) Technical oversight by management
3) Develop subcontracts
4) Work plan development
5) Review of deliverables

Engineer/Contract#: D006132

Project Name: Warrensburg Laundry & Dry Cleaning

Work Assignment No.: D006132-18

SCHEDULE 2.11(c)

Printed: 04/01/13

Direct Non-Salary Costs

	Item	Estimated Cost ($)	Max. Reimbursement Rate	Units	Est. No of Units	Total
A)	*Sample Analysis Rates (In-House Costs Only, for Subcontracts see Schedule 2.10(f) and 2.11 (f))**					
	NOT APPLICABLE - Intentionally left blank					
B)	*Miscellaneous (Travel - Lodging, Meals, Transportation see Schedule 2.10(d) for rates)*					
1	Personal Protective Equipment (Level D)		$15.00	Man-day	1	$15.00
2	Personal Protective Equipment (Level C)		$30.00	Man-day		$0.00
3	Personal Protective Equipment (Level B)		$70.00	Man-day		$0.00
4	LVE		$0.80	per person field hr	20	$16.00
5	Tolls		$0.00	per trip	1	$0.00
6	Mileage		$0.510	mile	118	$60.18
7	Parking		$1.00	Hr	1	$1.00
					Task 1 Total:	**$92.18**
1	Personal Protective Equipment (Level D)		$15.00	Man-day	19	$285.00
4	LVE		$30.00	Man-day		$0.00
3	Personal Protective Equipment (Level B)		$70.00	Man-day		$0.00
4	LVE		$0.80	per person field hr		$0.00
5	Cell Phone Usage		$30.00	Week		$0.00
6	Tolls		$0.00	per trip		$0.00
7	Mileage		$0.510	mile	354	$180.54
8	Hotel		$92.00	night	19	$1,748.00
9	Breakfast		$11.00	day	19	$209.00
10	Dinner		$55.00	day	19	$1,045.00
					Task 2 Total:	**$3,467.54**
1	Personal Protective Equipment (Level D)		$15.00	Man-day	1	$15.00
2	Personal Protective Equipment (Level C)		$30.00	Man-day		$0.00
3	Personal Protective Equipment (Level B)		$70.00	Man-day		$0.00
4	LVE		$0.80	per person field hr		$0.00
5	Cell Phone Usage		$30.00	Week		$0.00
6	Mileage		$0.510	mile	118	$60.18
7	Tolls		$0.00	per trip		$0.00
8	Hotel		$92.00	night	1	$92.00
9	Breakfast		$11.00	day	1	$11.00
10	Dinner		$55.00	day	1	$55.00
					Task 3 Total:	**$233.18**
1	Personal Protective Equipment (Level D)		$15.00	Man-day	6	$90.00
2	Personal Protective Equipment (Level C)		$30.00	Man-day		$0.00
3	Personal Protective Equipment (Level B)		$70.00	Man-day		$0.00
4	LVE		$0.80	per person field hr	54	$43.20
5	Parking		$5.00	trip	3	$15.00
6	Mileage		$0.555	mile	360	$199.80
7	Tolls		$0.00	per trip		$0.00
8	Hotel		$92.00	night		$0.00
9	Breakfast		$11.00	day		$0.00
10	Dinner		$55.00	day		$0.00
					Task 5 Total:	**$348.00**
1	Personal Protective Equipment (Level D)		$15.00	Man-day	5	$75.00
2	Personal Protective Equipment (Level C)		$30.00	Man-day		$0.00
3	Personal Protective Equipment (Level B)		$70.00	Man-day		$0.00
4	LVE		$0.80	per person field hr	50	$40.00
5	Parking		$5.00	trip	2	$10.00
6	Mileage		$0.565	mile	714	$403.41
7	Tolls		$0.00	per trip		$0.00
8	Hotel		$92.00	night		$0.00
9	Breakfast		$11.00	day		$0.00
10	Dinner		$55.00	day		$0.00
					Task 6 Total:	**$528.41**

Engineer/Contract#: D006132
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

SCHEDULE 2.11(c)

Printed: 04/01/13

Direct Non-Salary Costs

	Item Estimated Cost ($)	Max. Reimbursement Rate	Units	Est. No of Units	Total
C)	*Printing/Plotting or Reproduction Costs*				
1	Black and White - 8.5 x 11	$0.03	copy	150	$4.50
2	Black and White - 11 x 17	$0.07	copy		$0.00
3	Color - 8.5 x 11	$0.50	copy	10	$5.00
4	Color - 11 x 17	$1.00	copy		$0.00
5	Drawings black & white	$0.35	per sq ft or approx.		$0.00
		$2.40	drawing		$0.00
6	Color Plots	$2.25	per sq ft or approx.		$0.00
		$13.50	drawing		$0.00
				Task 1 Total:	**$9.50**
1	Black and White - 8.5 x 11	$0.03	copy	350	$10.50
2	Black and White - 11 x 17	$0.07	copy	65	$4.55
3	Color - 8.5 x 11	$0.50	copy	30	$15.00
4	Color - 11 x 17	$1.00	copy	48	$48.00
5	Drawings black & white	$0.35	per sq ft or approx.		$0.00
		$2.40	drawing		$0.00
6	Color Plots	$2.25	per sq ft or approx.		$0.00
		$13.50	drawing	23	$310.50
				Task 4 Total:	**$388.55**
			Total Direct Non-Salary Costs		**$5,067.36**

Engineer/Contract#: D006132 Date Prepared: 4/1/2013 10:05
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Schedule 2.11(d) 3

Maximum Reimbursement Rate for Vendor Rented Equipment

Item	Max. Reimbursement	Units	Est. Usage (units of Time)	Est. Rental Cost ($) (Col 2 x3)
MiniRae 2000	75	day		$0.00
MiniRae 2000	200	week	3	$600.00
DataRamTM pDR-1000	75	day		$0.00
DataRamTM pDR-1000	190	week		$0.00
YSI w/ turbidty meter	100	day		$0.00
YSI w/ turbidty meter	300	week	3	$900.00
O/W Interface Probe	45	day		$0.00
O/W Interface Probe	140	week	3	$420.00
Peristaltic Pump	25	day	3	$75.00
Trimble Unit	200	day		$0.00
Hand Auger Kit	80	day	2	$160.00
Hertz Truck	400	LS		$0.00
Excavator	2178.36	LS		$0.00
			Task 2 Total:	**$2,155.00**
DataRamTM pDR-1000	75	day		$0.00
MiniRae 2000	200	week		$0.00
DataRamTM pDR-1000	75	day		$0.00
DataRamTM pDR-1000	190	week		$0.00
YSI w/ turbidty meter	100	day		$0.00
YSI w/ turbidty meter	300	week		$0.00
O/W Interface Probe	45	day		$0.00
O/W Interface Probe	140	week		$0.00
Peristaltic Pump	75	week		$0.00
Trimble Unit	200	day		$0.00
Hertz Truck	400	LS		$0.00
			Task 3 Total:	**$0.00**
DataRamTM pDR-1000	75	day		$0.00
MiniRae 2000	200	week	1	$200.00
DataRamTM pDR-1000	75	day		$0.00
DataRamTM pDR-1000	190	week		$0.00
YSI w/ turbidty meter	100	day		$0.00
YSI w/ turbidty meter	300	week		$0.00
O/W Interface Probe	45	day		$0.00
O/W Interface Probe	140	week		$0.00
Peristaltic Pump	75	week		$0.00
Rotary Hammer Drill	100	day	2	$200.00
Hertz Truck	400	LS		$0.00
			Task 5 Total:	**$400.00**
DataRamTM pDR-1000	75	day		$0.00
MiniRae 2000	200	week	1	$200.00
DataRamTM pDR-1000	75	day		$0.00
DataRamTM pDR-1000	190	week		$0.00
YSI w/ turbidty meter	100	day		$0.00
YSI w/ turbidty meter	300	week		$0.00
O/W Interface Probe	45	day		$0.00
O/W Interface Probe	140	week		$0.00
Peristaltic Pump	75	week		$0.00
Rotary Hammer Drill	100	day	0	$0.00
Hertz Truck	400	LS		$0.00
			Task 6 Total:	**$200.00**
			TOTAL:	**$2,755.00**

* Reimbursement will be made at the Maximum Reimbursement rate or the actual rental rate, whichever is less.

Engineer/Contract#: D006132 Date Prepared: 4/1/2013 10:05
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Schedule 2.11(d) 5

Consumable Supplies

Item	Estimated Quantity	Units	Unit Cost ($)	Total Budgeted Cost (Col 2 x3) ($)
Gloves	6	box	$15.00	$90.00
Tubing	250	feet	$3.50	$875.00
Misc	3	each	$100.00	$300.00
			Task 2 Total:	**$1,265.00**
Gloves	2	box	$15.00	$30.00
Tubing	100	feet	$3.50	$350.00
Misc	5	each	$100.00	$500.00
			Task 5 Total:	**$880.00**
Gloves	1	box	$15.00	$15.00
Tubing	0	feet	$3.50	$0.00
Misc	1	each	$100.00	$100.00
			Task 6 Total:	**$115.00**
			TOTAL	**$2,260.00**

Engineer/Contract#: D006132 Date Prepared: 4/1/2013 10:05
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	***Services to be Performed***	***Subcontract Price***	***Management Fee***
Aztech (WBE)	Direct Push Drilling	$32,306.19	$1,538.39

Item	Max. Reimbursement Rate ($)*	Units	Est. No. of Units	Total Est. Cost
Mobilization/Demobilzation	$ 2,300.00	each	1	$ 2,300.00
Stand-by for more utility markouts	$ 135.00	each	4	$ 540.00
At seven well locations, provision to drill with 2-1/2 I.D. HSA to est. 35 feet, grab water sample at completion.	$ 727.55	each	4	$ 2,910.20
At five well locations, provision to drill with 4-1/4 I.D. HSA to est. 35 feet.	$ 1,140.00	each	6	$ 6,840.00
Installation of 2-inch I.D. 25 foot PVC 0.010 slot well screen with attached riser, bentonite seal and sand, and capped with locking j-plug.	$ 700.00	each	5	$ 3,500.00
At each well location, installation of protective steel casing with concrete pad (flush)	$ 135.00	each	5	$ 675.00
Install and complete 5 permanent soil vapor monitoring points to 10' BGS with manhead	$ 321.75	each	3	$ 965.25
Drums	$ 48.50	each	6	$ 291.00
Hard Points	$ 13.75	each	2	$ 27.50
Decon Pad	$ 220.00	each	1	$ 220.00
Decon Time	$ 135.00	hr	7.5	$ 1,012.50
Odex rental and bitwear	$ 300.00	each	5	$ 1,500.00
Drum Management	$ 110.00	each	1	$ 110.00
Compressor	$ 1,900.00	week	1	$ 1,900.00
			Task 2 Total	**$22,791.45**
			Tax	**$1,595.40**
			Task 2 Subtotal	**$24,386.85**
Mobilization/Demobilzation	$ 200.00	each	1	$ 200.00
Install 5 SV points	$ 321.75	each	5	$ 1,608.75
			Task 5 Total	**$1,808.75**
			Tax	**$126.61**
			Task 5 Subtotal	**$1,935.36**
SG Probe Installation				
Mobilization/Demobilzation	$ 333.50	each	1	$ 333.50
Install and complete 6 permanent soil vapor	$ 290.00	each	6	$ 1,740.00
Test Pits				
Excavator Mobilization/Demobilization	$ 450.00	each	1	$ 450.00
Operator Mobilization/Demobilization	$ 210.00	each	1	$ 210.00
Daily Rate	$ 1,045.00	each	1	$ 1,045.00
#2 crushed stone	$ 75.25	cy	5	$ 376.25
			Task 6 Sub Total	**$4,154.75**
			Tax	**$290.83**
			Task 6 Subtotal	**$4,445.58**
			Grand Subtotal	**$30,767.80**
			Subcontract Management Fee:	**$1,538.39**
			TOTAL:	**$32,306.19**

Engineer/Contract#: D006132 Date Prepared: 4/1/2013 10:05
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	***Services to be Performed***	***Subcontract Price***	***Management Fee***
Upstate	Soil and GW Analytical	$13,112.95	$655.65

Item	Max. Reimbursement Rate ($)*	Units	Est. No. of Units	Total Est. Cost
TO-15 (volatiles)	$225.00	each	8	$1,800.00
VOCs plus MTBE by EPA Method **8260**	$85.80	each	22	$1,887.60
VOCs plus MTBE by EPA Method **8260** (sample+MS+MSD)	$257.40	each	1	$257.40
SVOCs by EPA Method 8270C	$175.50	each	21	$3,685.50
Pesticides/PCBs by EPA Method 8081A/8082	$90.00	each	4	$360.00
Metals (TAL metals including mercury and cyanide)	$135.00	each	22	$2,970.00
Samples - SVOCs by EPA Method 8270C (sample+MS+MSD)	$526.50	each	1	$526.50
Samples - Metals (TAL metals including mercury and cyanide) (sample+MS+MSD)	$405.00	each	1	$405.00
Samples - pesticides/PCBs (sample+MS+MSD)	$162.00	each	1	$162.00
PCBS	$60.00	each	9	$540.00
PCBS in wastewater	$54.00	each	9	$486.00
Fittings	$6.59	each	5	$32.95
			Task 2 Total:	**$13,112.95**
			SubTotal:	**$13,112.95**
			Subcontract Management Fee:	**$655.65**
			TOTAL:	**$13,768.60**

Engineer/Contract#: D006132 Date Prepared: 4/1/2013 10:05
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	***Services to be Performed***	***Subcontract Price***	***Management Fee***
Validata	Validation Services	$2,166.50	$0.00

Item	Max. Reimbursement Rate ($)*	Units	Est. No. of Units	Total Est. Cost
TO-15 (volatiles) - DUSR	$17.00	each	10	$170.00
DUSR for VOCs plus MTBE by EPA Method **8260**	$16.50	each	38	$627.00
DUSR for SVOCs by EPA Method 8270C	$18.00	each	27	$486.00
DUSR for Pesticides	$15.00	each	4	$60.00
DUSR for PCBs	$13.50	each	25	$337.50
DUSR for Metals	$18.00	each	27	$486.00
			Task 2 Total	**$2,166.50**
TO-15 (volatiles)	$17.75	each	11	$195.25
Drinking Water Samples - VOCs plus MTBE by EPA Method 524.2 / 502.2	$22.00	each	5	$110.00
			Task 5 Total:	**$305.25**
TO-15 (volatiles) - DUSR	$19.00	each	10	$190.00
DUSR for Soil Samples - VOCs plus MTBE by EPA Method **8260** (4 sidewall, 1 bottom, 1 dup, 1 MS/MSD)	$18.25	each	8	$146.00
			Task 6 Total	**$336.00**
			SubTotal:	**$2,807.75**
			Subcontract Management Fee:	**$0.00**
			TOTAL:	**$2,807.75**

Engineer/Contract#: D006132 Date Prepared: 3/26/2013 16:18
Project Name: Warrensburg Laundry & Dry Cleaning
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Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	***Services to be Performed***	***Subcontract Price***	***Management Fee***
Santo	Site Survey	$1,900.00	$0.00

Item	**Max. Reimbursement Rate ($)***	**Units**	**Est. No. of Units**	**Total Est. Cost**
Site Survey	$1,900.00	each	1	$1,900.00
			Task 3 Total:	**$1,900.00**

Subcontract Management Fee: $0.00

TOTAL: $1,900.00

Engineer/Contract#: D006132 Date Prepared: 4/1/2013 10:05
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	*Services to be Performed*	*Subcontract Price*	*Management Fee*
Clean Harbors	Waste Disposal	$5,025.05	$0.00

Item	Max. Reimbursement Rate ($)*	Units	Est. No. of Units	Total Est. Cost
Box truck	$64.00	hr	6	$384.00
Equip Operator	$116.00	hr	6	$696.00
recovery fee	$0.165	each	1668	$275.22
Field Tech doubletime	$98.00	hr	6	$588.00
Disposal soil cutting & Plastic	$85.00	drum	12	$1,020.00
transportation	$47.00	each	18	$846.00
Disposal soil cuttings & drilling fluid	$90.00	drum	6	$540.00
profile fee	$75.00	each	3	$225.00
loading demurrage	$103.00	hr	0.25	$25.75
recovery fee	$0.16	each	2656.75	$425.08
			Task 2 Total:	**$5,025.05**
			Tax 7%	$351.75
			Subcontract Management Fee:	$0.00
			TOTAL:	**$5,376.80**

Engineer/Contract#: D006132 Date Prepared: 3/26/2013 16:18
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	*Services to be Performed*	*Subcontract Price*	*Management Fee*
Environmental Data Resources	Database Review	$550.00	$0.00

Item	Max. Reimbursement Rate ($)*	Units	Est. No. of Units	Total Est. Cost
EDR Report	$350.00	each	1	$350.00

Task 1 Total:	**$350.00**
Subcontract Total:	**$350.00**
Subcontract Management Fee:	$0.00
TOTAL:	**$350.00**

Engineer/Contract#: D006132 Date Prepared: 3/26/2013 16:18
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	***Services to be Performed***	***Subcontract Price***	***Management Fee***
Air Toxics	Air	$6,174.00	$0.00

Item	Max. Reimbursement Rate ($)*	Units	Est. No. of Units	Total Est. Cost
TO-15 (volatiles)	$160.00	each	12	$1,920.00
TO-15 Media Prep. Costs	$60.00	each	21	$1,260.00
Duplicate "T's"	$8.00	each	3	$24.00
Teflon Tubing	$4.00	ft	100	$400.00
fittings with pink ferrule	$4.00	each	8	$32.00
EDD	$5.00	each	12	$60.00
			Task 5 Total:	**$3,696.00**
TO-15 (volatiles) - 8 GS + dup + OA	$160.00	each	10	$1,600.00
TO-15 Media Prep. Costs	$60.00	each	10	$600.00
Duplicate "T's"	$8.00	each	1	$8.00
Teflon Tubing	$4.00	ft	50	$200.00
Deliverable Tier IV eCVP	$70.00	each	1	$70.00
			Task 6 Total:	**$2,478.00**
			SubTotal:	**$6,174.00**
			Subcontract Management Fee:	**$0.00**
			TOTAL:	**$6,174.00**

Engineer/Contract#: D006132 Date Prepared: 3/26/2013 16:18
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	*Services to be Performed*	*Subcontract Price*	*Management Fee*
Chemtech	GW	$1,055.25	$50.25

Item	Max. Reimbursement Rate ($)*	Units	Est. No. of Units	Total Est. Cost
Drinking Water Samples - VOCs plus MTBE by EPA Method 524.2 / 502.2	$97.00	each	5	$485.00
			Task 5 Total:	**$485.00**
Soil VOC samples - 4 sidewall, 1 bottom, 1 MS/MSD + 1 dup	$65.00	each	8	$520.00
			Task 6 Total:	**$520.00**
			SubTotal:	**$1,005.00**
			Subcontract Management Fee:	**$50.25**
			TOTAL:	**$1,055.25**

Engineer/Contract#: D006132 Date Prepared: 3/26/2013 16:18
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Schedule 2.11(f)

Unit Price Subcontracts

Name of Subcontractor	***Services to be Performed***	***Subcontract Price***	***Management Fee***
New York Leak Detection, Inc.	GW	$1,375.00	$0.00

Item	**Max. Reimbursement Rate ($)***	**Units**	**Est. No. of Units**	**Total Est. Cost**
GPR/Utility Location	$1,375.00	day	1	$1,375.00
			Task 6 Total:	**$1,375.00**
			SubTotal:	**$1,375.00**
			Subcontract Management Fee:	
			TOTAL:	**$1,375.00**

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

PM/Engineer: David Stoll
Contract#: D006132
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18
Task No./Name Task 1-6 Summary
Complete 0%

Page 1 of 5
Date Prepared: 4/1/2013 10:05
Billing Period
Invoice No.

	Expediture Category	A Costs Claimed This Period	B Paid to Date	C Total Disallowed to Date	D Total Costs Inccured to Date (A+B+C)	E Estimated Costs to Completion	F Estimated Total Work Assignment	G Approved Budget	H Estimated Under/Over (G-F)
1	Direct Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$29,083.06	$0.00	-$29,083
2	Indirect Costs 115%	$0.00	$0.00	$0.00	$0.00	$0.00	$33,445.52	$0.00	-$33,446
3	Subtotal Direct Salary Costs and Indirect Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$62,528.58	$0.00	-$62,529
4	Travel	$0.00	$0.00	$0.00	$0.00	$0.00	$4,065.11	$0.00	-$4,065
5	Other Non-Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$6,017.25	$0.00	-$6,017
6	Subtotal Direct Non-Salar	$0.00	$0.00	$0.00	$0.00	$0.00	$10,082.36	$0.00	-$10,082
7	Subcontractors	$0.00	$0.00	$0.00	$0.00	$0.00	$65,113.59	$0.00	-$65,114
8	Total WA Cost	$0.00	$0.00	$0.00	$0.00	$0.00	$137,724.53	$0.00	-$137,725
9	Fixed Fee	$0.00	$0.00	$0.00	$0.00	$0.00	$7,253.32	$0.00	-$7,253
10	Total WA Price	$0.00	$0.00	$0.00	$0.00	$0.00	$144,977.84	$0.00	-$144,978

Project Manager (Engineer) _____ **Date** _____

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

PM/Engineer: David Stoll
Contract#: D006132
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18
Task No./Name 01/Preliminary Activities
Complete 0%

Page 2 of
Date Prepared: 4/1/2013 10:05
Billing Period
Invoice No.

	Expediture Category	A Costs Claimed This Period	B Paid to Date	C Total Disallowed to Date	D Total Costs Inccured to Date (A+B+C)	E Estimated Costs to Completion	F Estimated Total Work Assignment	G Approved Budget	H Estimated Under/Over (G-F)
1	Direct Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$6,455.86	$0.00	-$6,455.86
2	Indirect Costs 115%	$0.00	$0.00	$0.00	$0.00	$0.00	$7,424.24	$0.00	-$7,424.24
3	Subtotal Direct Salary Costs and Indirect Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$13,880.10	$0.00	-$13,880.10
4	Travel	$0.00	$0.00	$0.00	$0.00	$0.00	$61.18	$0.00	-$61.18
5	Other Non-Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$40.50	$0.00	-$40.50
6	Subtotal Direct Non-Salar	$0.00	$0.00	$0.00	$0.00	$0.00	$101.68	$0.00	-$101.68
7	Subcontractors	$0.00	$0.00	$0.00	$0.00	$0.00	$350.00	$0.00	-$350.00
8	Total WA Cost	$0.00	$0.00	$0.00	$0.00	$0.00	$14,331.78	$0.00	-$14,331.78
9	Fixed Fee	$0.00	$0.00	$0.00	$0.00	$0.00	$1,610.09	$0.00	-$1,610.09
10	Total WA Price	$0.00	$0.00	$0.00	$0.00	$0.00	$15,941.87	$0.00	-$15,941.87

Project Manager (Engineer) _____ **Date** _____

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

PM/Engineer: David Stoll
Contract#: D006132
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18
Task No./Name Task 2 - Investigative Tasks
Complete 0%

Date Prepared: 4/1/2013 10:05
Billing Period
Invoice No.

	Expediture Category	A Costs Claimed This Period	B Paid to Date	C Total Disallowed to Date	D Total Costs Inccured to Date (A+B+C)	E Estimated Costs to Completion	F Estimated Total Work Assignment	G Approved Budget	H Estimated Under/Over (G-F)
1	Direct Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$6,494.90	$0.00	-$6,494.90
2	Indirect Costs 115%	$0.00	$0.00	$0.00	$0.00	$0.00	$7,469.14	$0.00	-$7,469.14
3	Subtotal Direct Salary Costs and Indirect Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$13,964.04	$0.00	-$13,964.04
4	Travel	$0.00	$0.00	$0.00	$0.00	$0.00	$3,182.54	$0.00	-$3,182.54
5	Other Non-Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$3,705.00	$0.00	-$3,705.00
6	Subtotal Direct Non-Salar	$0.00	$0.00	$0.00	$0.00	$0.00	$6,887.54	$0.00	-$6,887.54
7	Subcontractors	$0.00	$0.00	$0.00	$0.00	$0.00	$46,918.10	$0.00	-$46,918.10
8	Total WA Cost	$0.00	$0.00	$0.00	$0.00	$0.00	$67,769.67	$0.00	-$67,769.67
9	Fixed Fee	$0.00	$0.00	$0.00	$0.00	$0.00	$1,619.83	$0.00	-$1,619.83
10	Total WA Price	$0.00	$0.00	$0.00	$0.00	$0.00	$69,389.50	$0.00	$0.00

Project Manager (Engineer) _____ **Date** _____

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

PM/Engineer: David Stoll
Contract#: D006132
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18
Task No./Name Task 3 - Site Survey
Complete 0%

Date Prepared: 4/1/2013 10:05
Billing Period
Invoice No.

	Expediture Category	A Costs Claimed This Period	B Paid to Date	C Total Disallowed to Date	D Total Costs Inccured to Date (A+B+C)	E Estimated Costs to Completion	F Estimated Total Work Assignment	G Approved Budget	H Estimated Under/Over (G-F)
1	Direct Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$1,210.93	$0.00	-$1,210.93
2	Indirect Costs 115%	$0.00	$0.00	$0.00	$0.00	$0.00	$1,392.57	$0.00	-$1,392.57
3	Subtotal Direct Salary Costs and Indirect Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$2,603.50	$0.00	-$2,603.50
4	Travel	$0.00	$0.00	$0.00	$0.00	$0.00	$218.18	$0.00	-$218.18
5	Other Non-Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$15.00	$0.00	-$15.00
6	Subtotal Direct Non-Salar	$0.00	$0.00	$0.00	$0.00	$0.00	$233.18	$0.00	-$233.18
7	Subcontractors	$0.00	$0.00	$0.00	$0.00	$0.00	$1,900.00	$0.00	-$1,900.00
8	Total WA Cost	$0.00	$0.00	$0.00	$0.00	$0.00	$4,736.68	$0.00	-$4,736.68
9	Fixed Fee	$0.00	$0.00	$0.00	$0.00	$0.00	$302.01	$0.00	-$302.01
10	Total WA Price	$0.00	$0.00	$0.00	$0.00	$0.00	$5,038.69	$0.00	-$5,038.69

Project Manager (Engineer) _____ **Date** _____

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

PM/Engineer: David Stoll
Contract#: D006132
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18
Task No./Name Task 4 - Site Characterization Report
Complete 0%

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Date Prepared: 4/1/2013 10:05
Billing Period
Invoice No.

	Expediture Category	A Costs Claimed This Period	B Paid to Date	C Total Disallowed to Date	D Total Costs Inccured to Date (A+B+C)	E Estimated Costs to Completion	F Estimated Total Work Assignment	G Approved Budget	H Estimated Under/Over (G-F)
1	Direct Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$8,470.97	$0.00	-$8,470.97
2	Indirect Costs 115%	$0.00	$0.00	$0.00	$0.00	$0.00	$9,741.62	$0.00	-$9,741.62
3	Subtotal Direct Salary Costs and Indirect Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$18,212.59	$0.00	-$18,212.59
4	Travel	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
5	Other Non-Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$388.55	$0.00	-$388.55
6	Subtotal Direct Non-Salar	$0.00	$0.00	$0.00	$0.00	$0.00	$388.55	$0.00	-$388.55
7	Subcontractors	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
8	Total WA Cost	$0.00	$0.00	$0.00	$0.00	$0.00	$18,601.14	$0.00	-$18,601.14
9	Fixed Fee	$0.00	$0.00	$0.00	$0.00	$0.00	$2,112.66	$0.00	-$2,112.66
10	Total WA Price	$0.00	$0.00	$0.00	$0.00	$0.00	$20,713.80	$0.00	-$20,713.80

Project Manager (Engineer) _____ **Date** _____

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

PM/Engineer: David Stoll
Contract#: D006132
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18
Task No./Name Task 5 - Additional Site Characterization Activities / Report
Complete 0%

Date Prepared: 4/1/2013 10:05
Billing Period
Invoice No.

	Expediture Category	A Costs Claimed This Period	B Paid to Date	C Total Disallowed to Date	D Total Costs Inccured to Date	E Estimated Costs to Completion	F Estimated Total Work	G Approved Budget	H Estimated Under/Over (G-
1	Direct Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$2,443.61	$0.00	-$2,443.61
2	Indirect Costs 115%	$0.00	$0.00	$0.00	$0.00	$0.00	$2,810.15	$0.00	-$2,810.15
3	Subtotal Direct Salary Costs and Indirect Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$5,253.76	$0.00	-$5,253.76
4	Travel	$0.00	$0.00	$0.00	$0.00	$0.00	$199.80	$0.00	-$199.80
5	Other Non-Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$1,428.20	$0.00	-$1,428.20
6	Subtotal Direct Non-Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$1,628.00	$0.00	-$1,628.00
7	Subcontractors	$0.00	$0.00	$0.00	$0.00	$0.00	$6,542.63	$0.00	-$6,542.63
8	Total WA Cost	$0.00	$0.00	$0.00	$0.00	$0.00	$13,424.39	$0.00	-$13,424.39
9	Fixed Fee	$0.00	$0.00	$0.00	$0.00	$0.00	$609.44	$0.00	-$609.44
10	Total WA Price	$0.00	$0.00	$0.00	$0.00	$0.00	$14,033.83	$0.00	-$14,033.83

Project Manager (Engineer) _____ **Date** _____

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

PM/Engineer: David Stoll
Contract#: D006132
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18
Task No./Name Task 6 - Utility Trench Investigation
Complete 0%

Date Prepared: 4/1/2013 10:05
Billing Period
Invoice No.

	Expediture Category	A Costs Claimed This Period	B Paid to Date	C Total Disallowed to Date	D Total Costs Inccured to Date	E Estimated Costs to Completion	F Estimated Total Work	G Approved Budget	H Estimated Under/Over (G-
1	Direct Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$4,006.79	$0.00	-$4,006.79
2	Indirect Costs 115%	$0.00	$0.00	$0.00	$0.00	$0.00	$4,607.81	$0.00	-$4,607.81
3	Subtotal Direct Salary Costs and Indirect Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$8,614.60	$0.00	-$8,614.60
4	Travel	$0.00	$0.00	$0.00	$0.00	$0.00	$403.41	$0.00	-$403.41
5	Other Non-Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$440.00	$0.00	-$440.00
6	Subtotal Direct Non-Salary Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$843.41	$0.00	-$843.41
7	Subcontractors	$0.00	$0.00	$0.00	$0.00	$0.00	$9,402.86	$0.00	-$9,402.86
8	Total WA Cost	$0.00	$0.00	$0.00	$0.00	$0.00	$18,860.87	$0.00	-$18,860.87
9	Fixed Fee	$0.00	$0.00	$0.00	$0.00	$0.00	$999.29	$0.00	-$999.29
10	Total WA Price	$0.00	$0.00	$0.00	$0.00	$0.00	$19,860.16	$0.00	-$19,860.16

Project Manager (Engineer) _____ **Date** _____

Schedule 2.11(g) - Supplemental

Cost Contol Report for Subcontracts

PM/Engineer: David Stoll
D006132
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18
Complete 0%

Date Prepared: 4/1/2013 10:05
Billing Period
Invoice No.

	Subcontract Name	A Subcontracts Costs Claimed this Application Inc. Resubmittals	B Subcontract Costs Approved for Payment on Previous	C Total Subcontract Costs to Date (A + B)	D Subcontract Approved Budget	E Management Fee Budget	F Management Fee Paid	G Total Costs to Date (C plus F)
1	Aztech (WBE)				$30,767.80	$1,538.39		$0.00
2	Upstate				$13,112.95	$655.65		$0.00
3	Validata				$2,807.75			$0.00
4	Santo				$1,900.00			$0.00
5	Clean Harbors				$5,376.80			$0.00
6	Environmental Data Resources				$350.00			$0.00
7	Air Toxics				$6,174			$0.00
8	Chemtech				$1,005	$50.25		$0.00
9	New York Leak Detection, Inc.				$1,375	$0		$0.00
	Total	**$0.00**	**$0.00**	**$0.00**	**$62,869**	**$2,244**	**$0.00**	**$0.00**

Project Manager _____ **Date** _____

1 Costs listed in Columns A, B, C & D do not include any management fee costs.

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, unit price subcontracts over $10,000.
3 Line 11, Column G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(h)

Monthly Costs Control Report

Summary of Labor Hours

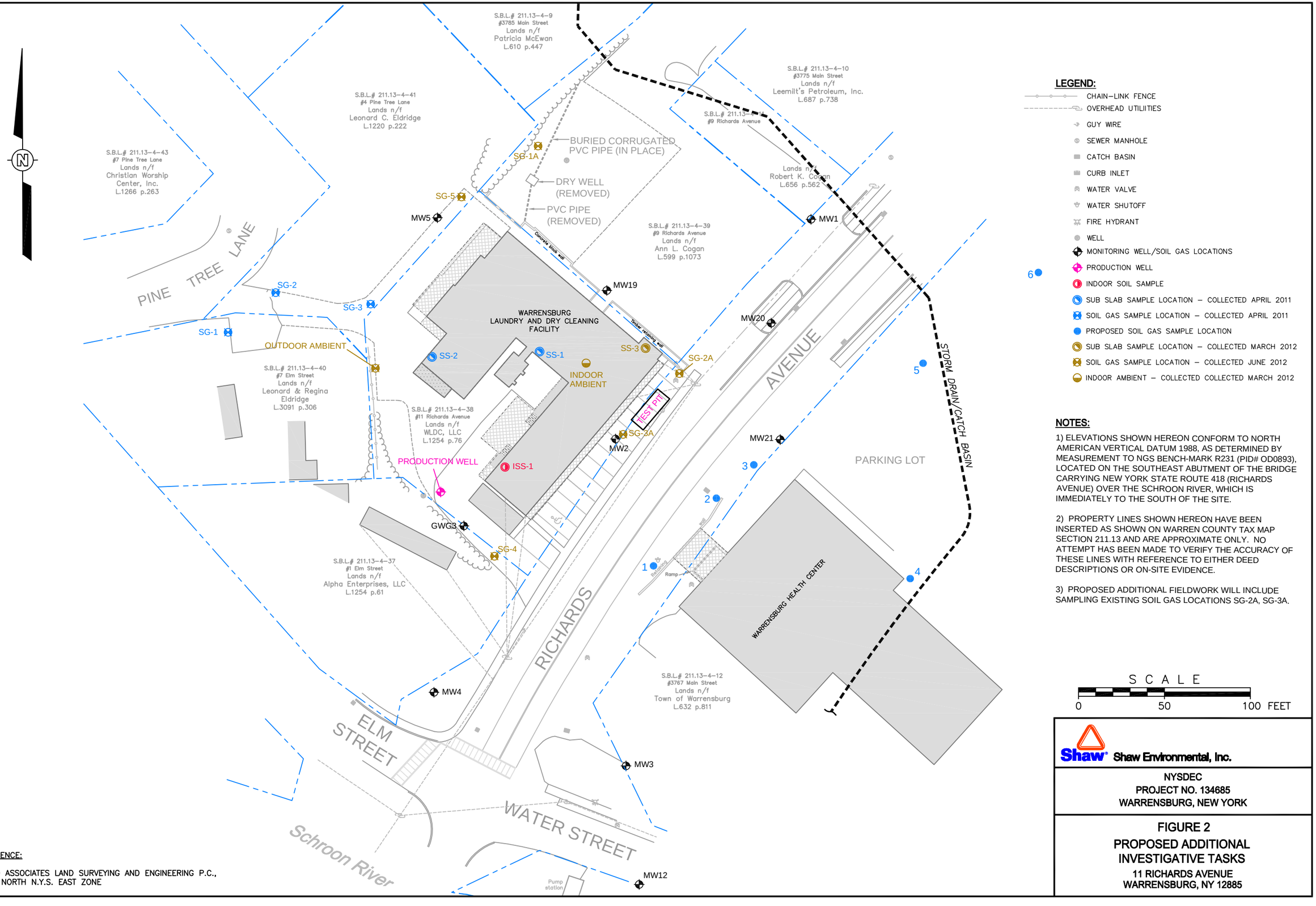
Number of Direct Labor Hours Expeded to Date/Estimated Number of Direct Labor Hours to Completion

Engineer/Contract#: Dave Stoll/D006132
Project Name: Warrensburg Laundry & Dry Cleaning
Work Assignment No.: D006132-18

Date Prepared: 4/1/2013 10:05
Billing Period
Invoice No.

NSPE Labor Classification	IX		VIII		VII		VI		V		IV		III		II		I		Total Direct Labor Hours Exp/Est
	*Exp/Est**		*Exp/Est**		*Exp/Est**		*Exp/Est**		*Exp/Est**		*Exp/Est**		*Exp/Est**		*Exp/Est**		*Exp/Est**		
Task 1		17		0		0		55		0		51		40		37		0	200
Task 2		3		0		0		4		1		0		205		43		0	256
Task 3		1		0		0		1		0		0		34		12		0	48
Task 4		3		0		0		54		16		18		119		100		0	310
Task 5		1		0		0		12		24		1.5		30		10		3.5	82
Task 6		7		0		0		10		29		8		8		82		0	144
Task 7																			0
Task 8																			0
Task 9																			0
Task 10																			0
Task 11																			0
Task 12																			0
Total Hours	0	32	0	0	0	0	0	136	0	70	0	79	0	436	0	284		3.5	1040

* For multiple years use one average salary rate row for each year and each years subtotal Labor Cost



LEGEND:

- CHAIN-LINK FENCE
- OVERHEAD UTILITIES
- GUY WIRE
- SEWER MANHOLE
- CATCH BASIN
- CURB INLET
- WATER VALVE
- WATER SHUTOFF
- FIRE HYDRANT
- WELL
- MONITORING WELL/SOIL GAS LOCATIONS
- PRODUCTION WELL
- INDOOR SOIL SAMPLE
- SUB SLAB SAMPLE LOCATION – COLLECTED APRIL 2011
- SOIL GAS SAMPLE LOCATION – COLLECTED APRIL 2011
- PROPOSED SOIL GAS SAMPLE LOCATION
- SUB SLAB SAMPLE LOCATION – COLLECTED MARCH 2012
- SOIL GAS SAMPLE LOCATION – COLLECTED JUNE 2012
- INDOOR AMBIENT – COLLECTED COLLECTED MARCH 2012

NOTES:

1) ELEVATIONS SHOWN HEREON CONFORM TO NORTH AMERICAN VERTICAL DATUM 1988, AS DETERMINED BY MEASUREMENT TO NGS BENCH-MARK R231 (PID# OD0893), LOCATED ON THE SOUTHEAST ABUTMENT OF THE BRIDGE CARRYING NEW YORK STATE ROUTE 418 (RICHARDS AVENUE) OVER THE SCHROON RIVER, WHICH IS IMMEDIATELY TO THE SOUTH OF THE SITE.

2) PROPERTY LINES SHOWN HEREON HAVE BEEN INSERTED AS SHOWN ON WARREN COUNTY TAX MAP SECTION 211.13 AND ARE APPROXIMATE ONLY. NO ATTEMPT HAS BEEN MADE TO VERIFY THE ACCURACY OF THESE LINES WITH REFERENCE TO EITHER DEED DESCRIPTIONS OR ON-SITE EVIDENCE.

3) PROPOSED ADDITIONAL FIELDWORK WILL INCLUDE SAMPLING EXISTING SOIL GAS LOCATIONS SG-2A, SG-3A.

SCALE
0 50 100 FEET

REFERENCE:

SANTO ASSOCIATES LAND SURVEYING AND ENGINEERING P.C.,
GRID: NORTH N.Y.S. EAST ZONE

Shaw Environmental, Inc.

NYSDEC
PROJECT NO. 134685
WARRENSBURG, NEW YORK

FIGURE 2
PROPOSED ADDITIONAL INVESTIGATIVE TASKS
11 RICHARDS AVENUE
WARRENSBURG, NY 12885

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	DESIGNED BY	DATE
134685-018B11	BN	NME	B. Faison	MJS	02/07/13

OFFICE: LATHAM, NY

File: O:\Shaw Offices - CAD Files\Latham, NY\134685\18\134685-018B11.dwg
Plot Date/Time: Feb 13, 2013 - 11:53am
Plotted By: bernadette.oconnor
Xref :
Image : addional plan.jpg

REMEDIATION SOLUTIONS - ENVIRONMENTAL CONSULTING - DRILLING APPLICATIONS

Aztech Technologies, Inc.

5 McCrea Hill Road
Ballston Spa, NY 12020
p 518.885.5383 | f 518.885.5385
info@aztechtech.com | www.aztechtech.com

A WOMAN OWNED BUSINESS: NYS WBE #49360

Estimate

DATE	ESTIMATE #
1/29/2013	972

NAME / ADDRESS	PROJECT LOCATION
Shaw Environmental, Inc. P.O. Box 98519 Baton Rouge, LA 70884 Attn.: Accounts Payable Attn: Robert Adams	Warrensburg P.O. 777972-000 OP

TERMS	PROJECT
Due on receipt	Warrensburg

DESCRIPTION	QTY	COST	TOTAL
Aztech will mobilize a track mounted GeoProbe 6610DT and crew to the site to install eight (8) stainless steel soil vapor monitoring points with associated tubing. Sampling to be completed by client. Upon completion of sampling, points will be removed and placed in a 55 gallon steel drum (disposal by others). Point locations to be finished with cold patch asphalt once temporary points are removed. This estimate assumes the work can be completed in one (1) day, if more time is required it will be billed on a time and materials basis.			
Mobilization and demobilization	1	333.50	333.50T
Install six-inch stainless steel vapor monitoring point with tubing, remove and place in 55 gallon steel drum for disposal by others - per unit	8	290.00	2,320.00T
Invoice Subtotal			2,653.50
Aztech will mobilize a 16,000 lb track mounted hydraulic excavator and operator to the site to excavate a test pit per the clients direction. The day rate below includes labor, equipment, and fuel necessary to complete the work. One day has been allotted for this task, if additional time is needed, per diem and mobilization fees will apply as well as additional day rate charges.			
Excavator Mobilization and Demobilization	1	450.00	450.00T
Operator Mobilization and Demobilization	1	210.00	210.00T
Excavator with Operator - Per eight-hour day	1	1,095.00	1,095.00T
Invoice Subtotal			1,755.00
Dig Safe New York to be contacted by Aztech Technologies for clearance of utilities located in the right of way or leading up to site. The Client is responsible for clearance / location of private underground utilities located on the subject property.		0.00	0.00

The above pricing is valid for 45 days.	***TOTAL***

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Shaw Environmental, Inc. P.O. Box 98519 Baton Rouge, LA 70884 Attn.: Accounts Payable Attn: Robert Adams	Warrensburg P.O. 777972-000 OP

TERMS	PROJECT
Due on receipt	Warrensburg

DESCRIPTION	QTY	COST	TOTAL
This estimate was created with the following assumptions: All locations are accessible. All work can be done with level D PPE. An Alconox rinse is an acceptable form of decontamination. All construction debris can be disposed of on site. All meters required will be supplied by the client. No costs associated with analytical, waste disposal, or permitting were included in this estimate.		0.00	0.00T
This is a cost ESTIMATE. All efforts have been made to be as precise as possible. Cost estimate is based on the information available at the time. Additional costs due to unforeseen events (i.e. difficult drilling, site accessibility, etc.) will be reflected on the final invoice. Written approval for change orders will be required before commencing with additional work.		0.00	0.00
This estimate does not include any provisions for prevailing rate. If this project is found to be prevailing rate, a change order will be issued for this.		0.00	0.00T
Estimate assumes all work can be completed in one eight hour day (on site). If more time is required, the final invoice will reflect additional charges in overtime and or additional days, per diem and mobilization charges as required.			
Test pit excavation assumes no rock, frost, groundwater, or underground obstructions will be encountered.			
Sales Tax - Warren County		7.00%	308.60

The above pricing is valid for 45 days.	***TOTAL***	$4,717.10

ZEBRA

Shaw Environmental & Infrastructure
13 British American Boulevard
Latham, New York 12110-1405

January 17, 2013

Attention: Mr. Robert Adams

RE: Proposal for Geoprobe Services
Warrensburg LDC
Warrensburg, New York
ZEBRA Proposal #: GP22215

Dear Mr. Adams:

ZEBRA Environmental is pleased to submit the following proposal for the istallation of soil vapor implants, ZEBRA will pre-clear each location to 5' below grade (BG) using a hand augers at the above referenced site located in Warrensburg, New York.

ZEBRA understands the scope of work to include the installation of soil vapor points to an approximate depth of 5' BG at approximately eight (8) locations to be identified by Shaw Environmental & Infrastructure (Shaw)'s on-site representative.

Scope of Work: ZEBRA will mobilize a fully equipped track-mounted Geoprobe unit to the job site with an Operator and Technician to work in a coordinated fashion with a representative from Shaw. ZEBRA operates a fleet of over twenty (20) Geoprobe units including ATV's, Tracks, Remotes, six (6) 6600 series units, four (4) 7720 track units and the NEW 8040 DT Track unit. ZEBRA will mobilize the equipment best suited to the project requirements. Please note that specialized probe equipment is not available at each ZEBRA location and an additional mobilization charge may be necessary if a particular probe unit is required.

The location of the probe points to be designated by Shaw must be accessible with one of ZEBRA's Geoprobe equipped vehicles. Manually driven points using a slide hammer and retrieval jack may be possible in some locations; however, achievable depth will be limited. In addition to the option of manually driven points, ZEBRA has designed a remote probe unit capable of being placed indoors, in basements (down elevators), or other areas of limited access. If there is a potential application for this unit, please contact one of our offices prior to project scheduling.

It should be noted that delays in gaining access to each sampling location will lengthen the project duration. If at all possible, identifying the sampling locations and coordinating the removal of obstructions (i.e. cars, machinery, inventory, debris, etc.) with the property owner prior to ZEBRA's arrival on site will expedite the project schedule. The ZEBRA probe crew can provide site clearing services if advised in advance of arrival. Additional equipment and tools (i.e. chain saws, weed trimmer, pole saws, etc.) can also be provided.

ZEBRA's vehicle mounted probe units are equipped with rotary concrete drill bits capable of cutting through between 4" to 6" of standard sidewalk/flooring pavement.

ZEBRA ENVIRONMENTAL CORP.
2846B CURRY ROAD, SCHENECTADY, NY 12303 . (518) 355-2201 FAX: (518) 355-2236

If reinforced concrete or pavement greater than 8" to 10" in thickness is anticipated, a thin wall concrete core drill should be brought to the site. ZEBRA will provide a concrete core drill, diamond bits, and generator.

ZEBRA will utilize 1.5" Geoprobe rods fitted with an expendable point to install each soil vapor implant. ZEBRA will place sand 6 inches above the implant and seal the rest of the hole with granular benseal and then hydrate the benseal.

ZEBRA will rely on Shaw to provide sample containers and any on-site sample screening unless other arrangements are made prior to project commencement.

DECON: All sampling tools will be decontaminated with Alconox and water between probe holes and all poly tubing and acetate liners will be discarded after use. A steam/pressure washing unit with a portable generator can be provided if requested. Please advise prior to project mobilization whether a decon pad and the collection of rinsate is required. A small charge may apply should a decon pad need to be constructed. D.O.T. steel drums can be provided at $65./drum.

UTILITY CLEARANCE/MARK OUTS: ZEBRA will obtain the necessary site information required for DIG SAFE utility mark outs from the Shaw project manager. **Please complete the attached Work Order/Utility Markout Request Form and fax to (518)355-2236 or e-mail to willy@zebraenv.com, at least five (5) business days prior to the projects scheduled start date.** Once this form is received, ZEBRA will notify the local utility One-Call center. Shaw will provide site specific maps and utility information for underground utilities and/or structures that are not covered by the one call utility markout service. If adequate site information cannot be obtained for the area of investigation, ZEBRA will not be able to probe.

PROBE HOLE CLOSURE: All probe holes (approximately 1½" in diameter) will be backfilled with indigenous soil and/or clean sand. If drilling through surface pavement is required, the pavement will be repaired with either ready mix concrete or cold patch asphalt (depending on existing pavement). ZEBRA can provide a high-pressure grout system (Geoprobe GS 1000) to seal the boreholes for an additional charge. This system is capable of delivering grout (or subsurface remediation products) through small diameter tubing or rods at pressures between 500 and 1,000 psi. Shaw must advise ZEBRA of the projects probe hole closure requirements prior to project mobilization.

PROBE TOOL REFUSAL: ZEBRA's probe operators have been trained to identify site specific indicators that can lead to probe tool loss and/or damage. These indicators include: slow advancement of probe tools (refusal), noticeable changes in probe driving conditions, evidence of subsurface debris or fill material, bent/damaged tools and samplers at previous sampling points, difficulty in pulling/retrieving tools, and severe deflections.

ZEBRA's probe operators have been instructed to use their best judgment to determine if ZEBRA should continue probing at a specific location. If it is determined that continued probing is beyond reasonable limits, the lead operator will notify our client's on-site representative. Based on our client's determination that it is necessary to attempt to probe further, ZEBRA's lead operator will request written authorization from our client's on-site representative. The authorization form will be an agreement from our client to reimburse ZEBRA (at our cost without markup) for any tools that are lost or damaged by proceeding at that location.

ANTICIPATED CONTAMINANT LEVELS: It is our understanding that Shaw agrees to provide ZEBRA with all available information regarding potential Health and Safety issues, including anticipated contaminant levels and exposure pathways, so that appropriate measures can be implemented to manage risks.

In the event unanticipated conditions are present during the performance of ZEBRA's activities, the lead operator will notify Shaw Environmental & Infrastructure and the ZEBRA client representative so that the scope of work can be modified to accommodate risk reduction.

Cost Estimate: ZEBRA estimates that the requested scope of work can be completed in one (1) eight-hour day. ZEBRA will provide a fully equipped Geoprobe unit with an Operator and Technician at the following rates:

Please note that these unit prices and anticipated production rates are based on contaminant exposure levels requiring a maximum of Level D Personal Protective Equipment (PPE). Prior to project mobilization, additional information regarding potential contaminants and anticipated exposure levels must be reviewed and evaluated. If potential exposure levels require greater than level D PPE, additional costs may be incurred.

Geoprobe Unit w/Two Man Crew $1,450.00
One (1) day @ $1,450./day. Includes Operator and Technician on site for 8 hours, hand tools, fuel used on site and probe tools. Time on site includes equipment unloading/tool preparation, sampling, probe tool decontamination and all safety related activities.

NOTE: These daily rates include up to 8 hours on site, should it become necessary to continue working on site beyond 8 hours, an additional charge of $200./hr will apply. Please note that all probe tools and equipment must be properly deconed and stowed away while the crew is still on site. If the final decon procedure is not completed on site, a charge of $75 for off site decon must be charged.

Soil Vapor Implant Installation Charge $680.00
Estimate eight (8) implants @ $85./each.
Includes all expendable sampling supplies such as acetate liners, poly tubing, expendable drive points, and PPE (Level D). Also covers wear and tear on sampling equipment which has a limited useful life-span. Does not include flush threaded PVC wellpoint screen and riser.

Mobilization/Demobilization $395.00

Total Estimated Project Cost = $ 2,525.00

* **Please note that this cost estimate does not include state or local taxes, if applicable.**

Proposal Terms/Acceptance

The unit prices listed above are firm for 30 days. ZEBRA Environmental's payment terms are NET 30 days, interest charges of 1.5% per month (18% per year) will accrue on all past due amounts. On unpaid amounts, interest and all expenses of collections including a reasonable attorney fee will be charged. This estimate is based upon the information available and our experience with projects of a similar nature. This proposal makes no provision for Federal, State, or local taxes, if applicable.

Prior to scheduling a project, ZEBRA must receive written acceptance of our proposal, unit pricing, and payment terms. To accept this proposal, please sign below and forward a copy to our office.

ZEBRA Environmental appreciates the opportunity to submit this proposal and looks forward to completing this project with Shaw Environmental & Infrastructure. If you have any questions concerning this proposal, please do not hesitate to call us.

Sincerely yours,

William G. McAllister
ZEBRA Environmental Corp.
WGM/of

Accepted by: Shaw Environmental & Infrastructure

_____
Signature Date

_____
Printed Name & Title

_____
Purchase Order/Work Authorization #
ZGP22215.WGM.of

cc: Paul Fleischmann, ZEBRA-Lynbrook, NY

Fariello, Heather

From: Kevin Harmon <kevin.harmon@validatausa.com>
Sent: Wednesday, February 20, 2013 3:35 PM
To: Adams, Robert
Cc: Fariello, Heather
Subject: Re: Warrensburg LDC Soil and Air Sample Validation, Quote

Robert,

For your additional work this year, the costs would be as follows:

8 Soil Samples for VOCs 8260: $18.25
10 Air Samples for TO-15: $19.00

The pricing assumes the work will be conducted the same as in the past, with DUSR reports being generated. Please let me know if you have any questions.

Thanks,
Kevin

Kevin C. Harmon
Client Services Director
Validata Chemical Services, Inc.
(770) 232-0130
(770) 232-5082 fax
www.datavalidator.com

----- Original Message -----
From: Adams, Robert
To: kevin.harmon@validatausa.com
Cc: Fariello, Heather
Sent: Friday, February 15, 2013 10:46 AM
Subject: Warrensburg LDC Soil and Air Sample Validation, Quote

Kevin,

We are returning to the Warrensburg LDC site to do some additional work and we are readdressing some associated costs.

We will have :
8 Soil Samples for VOCs 8260
10 Air Samples for TO-15

If you have any questions please let me know. Many Thanks.

Robert Adams
Scientist 2
13 British American Blvd. Latham NY 12110
518-785-2342
518-783-8397 fax

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

2/19/2013

Robert Adams
CBI
13 British American Blvd
Latham, NY 12110

Re: Project ID: Warrensburg LDC Site
Quotation ID #: Q1302048

Attention Robert Adams:

CHEMTECH is pleased to provide you with this quotation for analytical services. The analyses will be performed in accordance with the requirements of this quotation utilizing approved methodologies. **CHEMTECH**'s extensive laboratory facilities and technical expertise make it possible to routinely meet your expectations and to produce data of impeccable quality. This quotation shall remain in effect for 90 days.

1. Services and Unit Prices

Analyses	Methods	Matrix	Turn Around	Quantity	$ Unit Price
Bottle Delivery		AC		1	0
Percent Solids	Chemtech -SOP	Solid	10 Bus. Days	8	0
TCL Volatiles+10	8260B	Solid	10 Bus. Days	8	65

*** AC=Additional Charges**
NY

QC site specifics such as Duplicates, Spikes, Method Spikes, Method Spike Duplicates, Field Blanks and Trip Blanks are considered as additional samples and are charged at the applicable unit prices.

ASP B category and CLP deliverables will be charged additional two samples for MS/MSD's for each data package, regardless of being site specific.

Laboratory Minimum Invoice Charge, including the cost of analysis:
Results Only Data Package: $75 · Reduced Data Package: $150 · CLP/ASP Data Package: $300.

DELIVERY AND PICKUP CHARGES: Delivery of bottles by UPS ground with advanced notice is free of charge. All other deliveries, either by overnight courier or by **CHEMTECH**'s courier service will be charged as quoted.

2. Data Deliverables

The data deliverables format will be: **NYS ASP A**
The EDD format will be: **Equis_EQNYDEC/Excel**
Data will be Submitted in PDF and CD. No paper copy will be submitted.

3. Turnaround Time

Turnaround time is ten Bus days from the time of sample arrival at the Mountainside laboratory. Expedited turnaround time (EXPRESS...) must be pre-approved by the lab prior to the sample arrival. The date of received for samples picked up by **CHEMTECH** and samples received after 3:00 PM will be considered as the following day. If digestion or extraction is required prior to analysis, add one day to the following turnaround time.

4. Project Management

To assure a successful completion of this project **CHEMTECH** will assign CBI, a Project Manager. This will afford you with a single point of contact to facilitate communications and logistics.

Samples will be properly stored at our facility, for a period of 30 days after the completion of the required analyses unless there are further instructions.

We are looking forward to providing you with quality analytical services and on time delivery.
Should you have any questions or need additional information, please do not hesitate to call me.

Sincerely

CHEMTECH

Joe Dockery
Account Executive

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Robert Adams
CBI
Project ID: Warrensburg LDC Site
Quotation ID #:Q1302048

This Quotation accurately describes the analytical requirements as requested CBI..

* Accepts the costs outlined herein

* Agrees to the Terms and Conditions associated with this Quotation.

* Authorizes **CHEMTECH** to perform the work as outlined herein.

I have the express authority to act on behalf of CBI., in making these representations.

CBI.

By: _____

Name: _____

Title: _____

Date: _____

THIS PAGE MUST BE SIGNED AND RETURNED TO CHEMTECH PRIOR TO ACCEPTANCE OF ANY SAMPLES

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Terms and Conditions for Analytical Services

Quotation # Q1302048

Providing Analytical Services requires specialized Terms and Conditions because of the unique and complex nature of this work. Therefore, the following Terms and Conditions shall govern the services performed under this quotation:

Quality Assurance Project Plan (QAPP)/SOW: The attached quotation reflects our current understanding of the project as presented. We anticipate that all project requirements will be specified in an approved QAPP or SOW and will be provided for our review and approval before work begins. Adjustments to analytical protocol, delivery schedules and fees may be required based upon the submission final QAPP or SOW.

Regulatory Compliance: Prices are based upon the use of analytical methodologies required by Current State and Federal Regulations. Regulatory code changes may result in price changes.

Sampling Kits: Sampling Kits are shipped via ground transportation provided 24 hr notice is given prior to the requested receipt date. Sample Kits will be provided for samples to be returned to CHEMTECH for analysis. Unused bottles will be billed at $3 each.

Turnaround Time: Normal turnaround time unless otherwise noted, is 10 business days from date of receipt and/or the date that all questions relating to the case have been resolved. CLP data packages are 15 business days from receipt of the last sample in an SDG. Expedited turnaround is available at the surcharges stated in the attached quotation, pending laboratory approval, prior to shipping the samples.

Quality Control/Quality Assurance Samples: Unless specifically stated in the attached quotation, all site specific QC samples, such as Duplicates, Matrix Spikes, Matrix Spike Duplicates, Field Blanks and Trip Blanks, are billable at the applicable per sample unit prices.

Analytical Hold Times: CHEMTECH will be responsible for completing the analysis within the regulated holding times provided samples are submitted to the laboratory with at least one half of the hold time remaining. Sampling must be coordinated with the laboratory to ensure that hold times can be met. Additional charges may be incurred if an insufficient hold time remains upon sample receipt.

Analytical Methods: This quotation uses analytical methods that are in conformance with US EPA, Standard Method, or other recognized methodologies. **CHEMTECH** reserves the right to modify these methods if necessary or as appropriate due to the composition or nature of the samples. **CHEMTECH** reserves the right to subcontract services to another qualified laboratory, if it is reasonably necessary, appropriate or advisable to do so.

Re-Analyses: Sample re-extraction and/or re-analyses may be required to confirm matrix related QC non-compliance. Re-analyses confirming that non-compliant QC is beyond the control of the laboratory are billable at the applicable per sample unit prices.

Laboratory Reports: Unless otherwise specified, this quotation includes: One mailed original report in the format requested and one original invoice. Additional charges may be incurred for issuing multiple reports, modifying reports and/or invoices, electronic deliverables or non-standard technical support. **CHEMTECH** retains copies of the reports and raw data for a period of five (5) years from the date of the report, after which such reports are destroyed.

Sample Handling and Disposition: CHEMTECH reserves the right to charge for requested but unused sample containers expedited delivery of container, containers not for analysis (i.e. field use) on hold or cancelled samples, lab compositing, filtering or preserving of samples. Samples are stored for 30 day after the issuance of the final report. Samples can be stored beyond 30 days, provided written notice is received; a monthly storage charge may be incurred (billable in advance) for the designated period. Samples will be disposed of at no charge, however based on the nature of the samples; CHEMTECH reserves the right to return the samples to the client, at the client's expense.

Payment Terms: Unless otherwise stated, payment terms are net 30 days from the date of the invoice. However as to all sums that are delinquent, a Finance Charge of 1.5% per month, (calculated upon all delinquent amounts, excluding finance charges within the year of purchase) is added to the delinquent invoice amounts and continues to accrue until the date of payment. Imposition of the Finance Charge on delinquent invoices shall not be construed as **CHEMTECH**'s permission to delay payment beyond the due date or as waiver of any of **CHEMTECH**'s rights regarding delinquent invoices. If it becomes necessary to incur cost or to engage an attorney for collection and/or to file a suit for collection, all expenses/cost, and attorney fees shall be added. The billing to a third party will not be accepted unless our quotation including its Terms and Conditions are accepted (in writing) by the third party. Agreement to bill a third party shall not constitute a waiver or release of liability of the original ordering parting.

Confidential Information: This quotation includes information for you or your Clients use only, and shall not be duplicated, used or disclosed, in whole or in part, for any purpose other than to evaluate this quotation.

Publication of Data: Any use of the analytical results provided by **CHEMTECH** under this contract or project, for the purposes of publication in a scientific journal or presentation, will provide appropriate credits to **CHEMTECH** as the contract laboratory.

Governing Law: This agreement shall be governed by, construed and enforced in accordance with the laws of the State of New Jersey.

Limitation of Liability: CHEMTECH warrants to the Client the careful and competently rendered analytical data for the samples submitted. No other warranty is expressed or implied. If the data is deemed non-compliant based upon an independent

data review using acceptable Data Validation Guidelines; **CHEMTECH** will correct the deficiency and or retest the samples at no additional cost, as the sole and exclusive liability and remedy. **CHEMTECH** shall have no liability for consequential or related damages regardless of whether foreseeable or unforeseeable. The Client expressly assumes all liability for the use of all data and reports provided by **CHEMTECH**. The Client shall protect, defend and indemnify **CHEMTECH** against and hold **CHEMTECH** harmless from any and all claims, actions, damages, demands, or lawsuits arising from the use, interpretation, or in connection with **CHEMTECH**'s test results, reports or data.

Quotation Validity Time: Prices in this quotation are valid for 60 days from the date of the quotation, unless otherwise stated herein.

Submission of samples for analysis constitutes acceptance of the Terms and Conditions of this Quotation

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Subcontract Solicitation Record and Certification for Standby Engineering Contracts

Contract/WA No. D006132-18 Site/Spill Number 557022

Site/Spill Name Wallkill Laundry & Dry Cleaning

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.

[ ] Single/sole source procurement (including the usage of an M/WBE firm with estimated costs under $10,000). Complete the chart below and attach rationale for selecting subcontractor along with the basis for determining cost reasonableness (e.g., an engineer's estimate or one comparative quote).

Subcontractor/Subconsultant	*Phone Number*	*Date*	*Price Quote*
N.Y. Leak Detection		4/1/13	$1,375.00

Amendment 2

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 insurers on 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 is maintained by the Contractor and will be provided within 10 days of any request.

David Stow — 4/1/13

Signature of Contractor's Authorized Representative — Date

Stantec E&T of NY P.C. — D006132-18

Contractor Name — Contract/WA No.

NY Leak Detection - Utility Clearance

Subcontractor Name

Rev. 01/10/12

Amendment 2

Shaw Environmental & Infrastructure, Inc.

BID ANALYSIS WORKSHEET

BASIS OF AWARD - Refer to PR 018 - PURCHASE ORDER AWARD JUSTIFICATION FORM, atachment 18.6

SB AWARD DATA*

Were SBs Solicited? Yes___(How Many?___) No___

If not, why not?_____

SDBs? Yes___(How Many?___) No____

WOSBs? Yes___(How Many?___) No____

If not, why not?_____

PASS or PRO-NET search Permormed? Yes___ No____

Reason(s) for SB Not Receiving Award if SB was Solicited:

☐ a. No Bids Received ☐ e. Not Technically Qualified

☐ b. Financially Unstable ☐ f. Unacceptable Delivery/Schedule

☐ c. UnsubstaniatedProposal ☐ g. Not Lowest, Responsible,

☐ d. Unacceptable to Customer Responsive Offeror

* If award is > $100K, complete the SB Subcontract Award Worksheet , in liew ofm the above box

Client Contract Number: D0006132

Prepared by: RA

Date: 3/18/09

Job Number: 134685 1803

Job Name: Warrensburg LDC

Materials/Serv. Required on Site by:

Period of Performance: 2013

BID TABULATION

				1		2		3		4		5		6	
			BUSINESS SIZE												
			VENDOR	Naeva Geophsyics Inc.		NYLD		Utility Survey Corp		Geophysical Applications		GEOD			
			QUOTE NO.												
			DATE	1/17/2013		1/17/2013		1/17/2013							
			F.O.B./F.O.S.												
			TERMS												
			QUOTE DELIVERY TIME OR PERIOD OF PERFORMANCE												
	DESCRIPTION OF SUPPLIES/SVS.	Tax	UNIT OF MEASURE	NUMBER OF UNITS	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL	UNIT PRICE	EXTENDED TOTAL
1	Mobilization		hr	3	$210.00	$630.00			$169.00	$507.00				$0.00		$0.00
2	Labor		hr	6	$225.00	$1,350.00								$0.00		$0.00
3	1 hour GPR		hr	1	$175.00	$175.00					NO BID			$0.00		$0.00
4	1 day GPS		day	1	$150.00	$150.00								$0.00		$0.00
5	1 hour report		hr	1	$100.00	$100.00								$0.00		$0.00
6	2 hours graphics		hr	2	$100.00	$200.00								$0.00		$0.00
7	Perdiem		day	1	$310.00	$310.00			$120.00	$120.00				$0.00		$0.00
8	materials		LS	1	$75.00	$75.00								$0.00		$0.00
9	Mobilization/Demobilization		LA	1		$0.00				$0.00				$0.00		$0.00
10	Labor Day Rate		day	1		$0.00	$1,375.00	$1,375.00	$1,350.00	$1,350.00			$3,900.00	$3,900.00		$0.00
11	LS					$0.00		$0.00		$0.00				$0.00		$0.00
Notes:			SUBTOTAL			$2,990.00		$1,375.00		$1,977.00		$0.00		$3,900.00		$0.00
			TAX		0.00%	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%	$0.00
			FREIGHT			$0.00		$0.00		$0.00		$0.00		$0.00		$0.00
			TOTAL			$2,990.00		$1,375.00		$1,977.00		$0.00		$3,900.00		$0.00

NYLD
INFRASTRUCTURE
New York Leak Detection, Inc.

January 17, 2013

Robert Adams
Shaw Environmental, Inc.
13 British American Blvd
Latham, NY 12110
518-785-2342
518-894-1320 cell
518-783-8397 fax
Robert.Adams@shawgrp.com

Re: GPR/Utility Location Proposal
11 Richards Ave. Warrensburg, NY (~16,000')

Dear Mr. Adams,

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 locate the boundaries of a utility trench that potentially runs 400' along Richards Avenue to a possible dry well or other structure near the Schroon River using Ground Penetrating Radar plus all other subsurface location technologies. Services will be provided at a day rate of $1,375.00, for up to 8 hours on site, with an *estimated* 1 day for completion. The cost for mobilization/demobilization is $1,375.00.

Deliverables: NYLD will mark locations on site using paint and/or flags and will provide a written summary report. 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 – actual project time is dependent on the accuracy of the information and maps provided.**

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.

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

NYLD INFRASTRUCTURE
New York Leak Detection, Inc.

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

_____ _____
Print Name Date

_____
Signature of Authorized Party

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.

Phone (315) 469-4601 • Toll Free (800) 928-4350 • Fax (315) 469-2868
Website: www.nyld.com • Email: mgoodfellow@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
Website: www.nyld.com • Email: mgoodfellow@nyld.com

GEOD CORPORATION
AERIAL PHOTOGRAMMETRY - LAND SURVEYING
24 KANOUSE ROAD, NEWFOUNDLAND, NJ 07435
TEL: (973) 697-2122 • FAX: (973) 838-6433

January 21, 2013

Mr. Robert Adams
Shaw Environmental, Inc.
13 British American Boulevard
Latham, NY 12110

RE: SUBSURFACE UTILITY MAPPING AT 11 RICHARDS AVENUE IN WARRENSBURG, NEW YORK (GEOD PROPOSAL #P13-019)

Dear Robert:

GEOD Corporation is pleased to present this proposal to provide subsurface utility locating services on the above referenced project.

It is the GEOD policy, due to the nature of the physical problems encountered in this type of business, to perform all utility location surveys using a combination of Ground Penetrating Radar and Electro-Magnetic Pipe/Cable Locator technology as outlined below. It is an intense procedure with the objective of maximizing information and minimizing the potential for error.

Unless otherwise requested by the client, all detected utilities will be marked on the ground with color-coded marker paint and/or flags.

SCOPE OF WORK

In the performance of subsurface utility targeting, GEOD Corporation proposes to:

- This project is a utility markout job located at 11 Richards Avenue in Warrensburg, New York.
- GEOD will markout all utilities found in Richards Avenue from the above listed address south to the Schroon River, being approximately 16,000 square feet as shown on sketch provided.
- GEOD will concentrate efforts in finding the boundaries of a utility trench which may run along Richards Avenue to a dry well or other structure near the Schroon River.
- GEOD will prepare a summary report of procedures, process results and findings in a narrative and sketch of markout based on physical features.
- GEOD requests any and all utility mapping maps, or records the client may have along with the approximate location of possible dry well to help aid in the utility markout.

- This estimate is based on clear unobstructed access to subject property and Richards Avenue. Access permission, security, traffic control (if needed), clearance and adjoining property owner notification are the sole responsibility of the Client. Delays due to vehicular, pedestrian, weather (snow or wet covered roads or utility hardware) physical obstructions, or access issues may result in additional charges based on current hourly rates.

- GEOD will not call the "Safe Dig" or "One Call" utility services used by contractors; this service is only available prior to construction.

PRIMARY INVESTIGATIVE TECHNOLOGY

Ground Penetrating Radar (GPR): GEOD Corporation deploys the latest Sensors & Software Smart Cart GPR systems with two antenna configurations for shallow and deep penetration; 400 MHz and 270 MHz respectively. An integrated onboard computer provides real time utility location information (including depth). Data can be stored in digital files for paper print-outs if needed. Eight (8) hour battery life and a back-up battery allows for uninterrupted surveys. GPR is a proven technology for identifying non-metallic and metallic pipes, objects and features. GPR can also be used for detecting voids, tanks and rebar.

SECONDARY SUPPORT TECHNOLOGY

Electro-Magnetic Pipe, Cable & Box Locators (EM): GEOD Corporation deploys Metrotech 810, 9800 and 9890, and Pipehorn 800 H.L., pipe and cable locating instruments. This equipment relies on sending a radio signal into the ground or directly onto the buried asset itself to locate the whereabouts of metallic based pipes and cables. Once the utility is identified by a tone on the receiver, its path can be followed using conventional location techniques. The depth of the buried asset can be determined by a depth readout feature on the instrument or by using a triangulation technique. GEOD Corporation deploys a full range of locators from a variety of manufacturers operating on low, medium and high frequencies for full coverage.

All underground utility location surveys will be carried out by experienced and qualified technicians utilizing a combination of Ground Penetrating Radar and Electro-Magnetic Pipe, Cable & Box Locators.

NOTES:

- Please note that while we utilize "state of the art" electronic equipment specifically designed for the purpose of locating underground utilities, certain factors can influence the functionality and/or accuracy of the equipment, and contractors should proceed with caution if excavations are to be made. GEOD Corporation is not responsible for any damage subsequently caused to personnel, structures or utilities.
- Concrete pavement with reinforcement could interfere with our electronic equipment at times to locate utilities.

- Right of Entry letters and/or Permits to the site area to be obtained by the client.
- Confined Space Entry not included in this proposal.
- Storm and Sanitary Inverts and targeting of the systems not included in this proposal.
- ***[Fiber optic wire (without tracer wire) transite pipe and plastic pipe will not be located due to pipe material cannot be located by our electronic equipment.]***

The following fee schedule is based on daily rates and an estimate of field days to complete this project. The progress will vary according to any existing information, density of utilities, site conditions, etc.

FEE SCHEDULE: **$3,900**

GENERAL TERMS AND CONDITIONS

NOTE*: This document contains proprietary information of GEOD Corporation and is to be returned upon request. Its contents may not be copied, disclosed to third parties, or used for other than the express purpose for which it has been provided without the written consent of GEOD.*

1. GEOD hereby maintains ownership and control of all work and work product until they are paid in full and you are not authorized to use or transfer same without the express written consent of GEOD.

2. Any additional work requested must be agreed in writing signed by all parties to this agreement.

3. After execution of this letter it shall be considered a legally binding agreement, which shall be governed by the laws of the State of New Jersey.

4. Payment other than a retainer shall be made within 30 days of billing. GEOD reserves the right to withhold work product if not paid in accordance with this agreement. Any monies not paid within 30 days of billing shall accrue interest at the rate of 1 ½ percent per month until paid in full.

5. Remedies on Default. In addition to any other remedies contained herein, if collection of monies due hereunder is referred to any attorney, you shall be required to pay any reasonable attorneys fees, costs of collection and court costs.

6. The undersigned by executing this agreement represents that they are authorized or have been authorized by the appropriate company or corporate officers to enter into this agreement.

We appreciate the opportunity to present this proposal. If you have any questions or require any additional information, please do not hesitate to contact me.

Very truly yours,

GEOD CORPORATION

Paul J. Emilius, Jr., PLS, CP
Vice President

PE/ps

AGREED & ACCEPTED BY: **DATE:**

SIGNATURE: _____ _____
NAME: _____
TITLE: _____

NAEVA GEOPHYSICS INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

GPR
MAGNETICS
ELECTROMAGNETICS
SEISMICS
RESISTIVITY
UTILITY LOCATION
SEWER VIDEO INSPECTION
UXO DETECTION
BOREHOLE CAMERA
STAFF SUPPORT

January 17, 2013

Mr. Robert Adams
The Shaw Group, Inc.
13 British-American Boulevard
Latham, NY 12110
(518) 785-2342 phone
(518) 783-8397 fax
Email: robert.adams@shawgrp.com

RE: Proposal for Geophysical Investigation

Dear Mr. Adams:

NAEVA Geophysics Inc. is pleased to submit for your review the following scope of work and **estimated** costs associated with a geophysical investigation to be conducted near a former Econo Quick property located at 11 Richards Avenue in Warrensburg, New York. The purpose of the investigation will be to trace an approximately 400-foot portion of a suspected storm drainage line beginning near Schroon River and running north on Richards Avenue. It is our understanding that Shaw will drill approximately 6 soil vapor points above the trench, once identified. NAEVA will also mark out other detectable subsurface utilities and features within 40 feet of the storm drainage line to allow for better placement of these points. Shaw will provide access to nearby buildings, when possible, and will also arrange any necessary traffic control.

The storm drainage line will be traced using a flexible steel antenna that will be inserted into the line. A signal will be conducted onto the antenna which will allow the line to be detected at the ground surface by an operator using a specialized receiver. If the line is large in diameter or deeper than 10 feet, a transmitting beacon can be advanced incrementally into the line. Ground penetrating radar (GPR) will also be available to aid in the delineation of the storm line and other utilities as necessary.

A Fisher TW-6 metal-detector will be carried over the area of investigation in a series of closely spaced parallel traverses and will be used to identify buried metal, electrically conductive conduits, and metallic piping. Metal-detector anomalies will be marked on the ground and further investigated using GPR in an attempt to better characterize their sources. In the event that the area of investigation is underlain by reinforced concrete or wire mesh, which will prevent the use of the metal-detector, GPR will be used as the primary investigative tool. However, it should also be noted that reinforced concrete sometimes limits the depth of penetration of the GPR signal and can obscure targets located in the subsurface.

NEW YORK
225 N Route 303
Suite 102
Congers
New York 10920
(845) 268-1800
(845) 268-1802 Fax

VIRGINIA
P.O. Box 7325
Charlottesville
Virginia 22906
(434) 978-3187
(434) 973-9791 Fax

Electromagnetic utility-locating instruments will be used to delineate metallic/electrically conductive utilities. Using a transmitter, radio frequency signals will be conducted onto exposed portions of conduits and piping and these signals will be used to trace the utilities. Alternatively, where there are no convenient exposures, the signals may be induced onto the lines by placing transmitters on the ground above the utilities.

Current-carrying electric lines and metallic lines to which electric lines are grounded produce electromagnetic fields that may be detectable at the surface. In addition, buried metallic lines often pick up and reradiate background vibrations and commercial radio signals. The area of investigation will be searched for evidence of these passive signals.

Detected features will be marked on the ground with paint using the American Public Works Association color code (blue for water, red for electric, yellow for gas, etc.). As requested, a letter report and a scaled AutoCAD map detailing our methods and results will be prepared after completion of the field work. Please allow 5-10 business days following the completion of the field work for the preparation of these deliverables.

Below are the **estimated** costs for this investigation:

Item	Rate	Cost
6 hours labor (crew of two)	$225/hr	$1,350.00
3 hours travel	$210/hr	630.00
1 hour GPR	$175/hr	175.00
1 day GPS	$150/day	150.00
1 hour report	$100/hr	100.00
2 hours graphics	$100/hr	200.00
1 day per diem	$310/day	310.00
Materials charge	-	75.00
	Estimated Total	**$2,990.00**

Please be aware that many factors affect the amount of time required to locate utilities at a given site including the size of the area of investigation, surface conditions, types of utilities to be located, and the complexity of the underground utility network. This estimate assumes a relatively open and level surface, easy vehicle access, and minimal precipitation. Please also note the following considerations:

Considerations

Field personnel

- All field activities will be performed by employees who are trained and experienced in the operation of the specified geophysical equipment. All employees assigned to this project will have completed an OSHA approved HAZWOPER 40-hour hazardous materials site worker course, be current with their annual 8-hour refresher training, and be enrolled in NAEVA's medical monitoring program. All workers will have on-site documentation of

such training. All employees assigned to this project will have a minimum of 3 years of employment at NAEVA.

Investigating Subsurface Utilities and Features

- It should be understood that the location of subsurface objects, pipes, and utilities is dependent upon the recognition of physical phenomena at the ground surface. These phenomena can be magnetic fields or electro magnetic waves, which are interpreted as representative of subsurface objects. These fields or waves, however, may be attenuated and/or distorted by a number of factors including soil moisture, steel reinforced concrete, and proximity to other surface and subsurface facilities.

In practical terms, NAEVA serves to **reduce** the chances of accidental damage during excavation operations. However, it is important to be aware that, for physical reasons, not all underground lines, piping, utilities, and facilities are detectable. Underground conduits or utilities made of non-metallic or non-electrically conductive materials are usually more difficult to detect than ones made of conducting metals.

- It will be necessary that the area of investigation be reasonably clear of surface objects such as automobiles, debris, stored materials, metals, vegetation, and snow.

- We recommend that you mark any potential excavations on the ground and notify the regional "NewYork811" call center to inform them of your intent to drill a minimum of 72 hours prior to excavation. The responsibility to make this call is yours.

Investigations Using Ground Penetrating Radar (GPR)

- GPR is affected by site conditions such as the near-surface soil type, varied ground surface materials, and soil moisture, therefore, the depth of penetration and usefulness of GPR data cannot be known until our arrival on site.

Contractual Arrangements

- If NAEVA is awarded this contract and your Company requires a subcontract, please provide a copy of the agreement to:

Mr. Mark Weis, Office Manager
NAEVA Geophysics, Inc.
225 N Route 303, Suite 102
Congers, NY 10920
(845) 268-1800 (845) 268-1802-fax
mweis@naevageophysics.com

Please allow adequate time for contract negotiation.

Billing

- This estimate does not include standby time, which will be charged at the normal labor rates.

- Unless other arrangements have been made, payment terms are net 30 days. Overdue invoices are subject to a monthly finance charge of 1.5%.

- Unless otherwise notified, this project will be billed on a time and materials basis. If this project must be scheduled during off-hours (weekends or at night) additional charges may apply.

Thank you for the opportunity to submit this proposal. We look forward to working with you soon. Please call me if I may answer any questions.

Sincerely,

Russell Dobler
Geophysicist – Project Manager
NAEVA Geophysics, Inc.

From: Adams, Robert
Sent: Thursday, January 17, 2013 11:18 AM
To: Kyle Keator
Cc: Fariello, Heather
Subject: RE: 11 Richards Ave, geophysics quote

Thanks Kyle See Below...If you have any questions you could also call.

Robert Adams
Scientist 2
13 British American Blvd. Latham NY 12110
518-785-2342
518-783-8397 fax

From: Kyle Keator [mailto:KKeator@naevageophysics.com]
Sent: Thursday, January 17, 2013 8:33 AM
To: Adams, Robert
Subject: 11 Richards Ave, geophysics quote

Robert Adams,

We received your request for quote you sent to Mark, but he is out of the office is gave this to me. Could you help answer a few questions about the scope of work

1. Is this investigation only to clear utilities for soil vapor points? Do you want us to clear the whole area you marked in yellow as a "GPR area" or only around each boring? The focus is really locating and documenting a Utility Trench and a possible box culvert, we also need to know depths of utilities within the trench, as unlike most drilling jobs we want to get rather close. It is assumed the utility trench is acting as a vapor phase pathway into business' and homes.
2. If this is an active road, is traffic control necessary, or any other restrictions for working there? Cones and signage will suffice
3. Will we have access to the nearby buildings to connect on utilities? You will have access to Dry Cleaners
4. Since this is on a public street, could you please also call the "NewYork811" markout call center. Their marks will be helpful. DigSafe Will be called
5. Is a report or map required? A summary Report would be required.

Kyle Keator
Geophysical Technician
NAEVA Geophysics, Inc.
225 N Route 303, Suite 102
Congers, NY 10920
(845) 268-1800 (845) 268-1802 -fax

Member of the National Utility Locating Contractors Association

UTILITY SURVEY™

Call US Before You Dig

email/fax cover page

To:	Mr. Robert Adams
Company:	Shaw Environmental 13 British American Boulevard Latham, NY 12110
Fax:	
Tel:	518-785-2342
E-mail:	robert.adams@shawgrp.com
From:	Lynne Leary (email: lynne@u-survey.com)
Date:	January 17, 2013
Number of pages:	3

Dear Mr. Adams:

Underground Utility Investigation – Warrensburg LDC Site, 11 Richards Avenue, Warrensburg, New York

Thank you for your inquiry regarding our services. Please find herewith our proposal for underground utility locating services as requested.

Project Description:

1. Scan and mark out the location of subsurface utilities, at the direction of the client. According to the client, the specific requirement is to trace out a utility trench, approximately 400 linear feet, with depths. That is the basis of this proposal. Please note that our equipment is not able to determine the material of the lines.

Due to the nature of the physical challenges encountered in this type of business, Utility Survey has made it our policy to perform all utility location surveys using a combination

of Ground Penetrating Radar and Electro-Magnetic/Radio Frequency Pipe/Cable Locator Technology as outlined below. This protocol maximizes information, limits errors, and assures peace of mind.

The estimated daily rate of progress using a combination of both Ground Penetrating Radar and Electro-Magnetic/RF technology for maximum coverage is typically:

- One-quarter to one-third of an acre
- Four-hundred to five-hundred linear feet by ten feet width for proposed trenches
- One-thousand linear feet for individual metal utilities
- 10 - 12 ten-foot diameter borehole locations

(This is a guide and rates of progress will vary according to density of utilities and other site conditions).

Unless otherwise requested, all detected utilities will be marked on the ground with color-coded marker paint and/or flags. A hand sketch or updated CAD drawing can be provided if arranged prior to the job. There will be an additional charge for either a hand sketch or updated CAD drawing.

Method of Investigation:

Primary Technology

Ground Penetrating Radar (GPR): Utility Survey deploys the latest Sensors & Software Smart Cart GPR systems with three antenna configurations for shallow, medium and deep penetration; 1000 MHz, 500 MHz and 250 MHz respectively. A grid pattern scanning survey with 90 degree cross-cut traverses will be performed with the GPR to maximize coverage. An integrated onboard computer provides real time utility location information (including depth). Data can be stored in digital files for paper print-outs if requested at the time of job scheduling.

Support Technology

Electro-Magnetic/Radio Frequency Pipe, Cable & Box Locators (EM/RF): This equipment sends a radio signal directly onto the buried asset or into the ground to locate the whereabouts of metallic based pipes and cables. Once the utility is identified by a tone on the receiver, its path can be followed using conventional location techniques. The depth of the buried asset can be determined by a depth readout feature on the instrument or by using a triangulation technique. A full range of locators operate on low, medium and high frequencies for full coverage.

Utility Survey conducts underground utility location investigations utilizing only experienced and qualified technicians and the latest Ground Penetrating Radar Technology and Electro-Magnetic/RF Pipe, Cable & Box Locators.

Note:

While Utility Survey employs "state-of-the-art" electronic equipment specifically designed for the purpose of locating buried utilities, certain factors

can influence the functionality and/or accuracy of the equipment. Contractors should proceed with caution during the excavation process. Utility Survey is not responsible for any damage subsequently caused to personnel, structures or utilities.

The survey area should be accessible and clear of obstructions, vehicles, excessive overgrowth, etc., prior to our arrival.

Cost:

1. The cost of the underground utility locating services is $1,350 per day on an "as needed" basis with an estimated duration of one day.

2. Due to the distance to the site, our technician will have to drive up the night before the job. The cost will be $169 per hour with an estimated drive time of three hours.

3. A lodging charge of $120 will apply.

- The cost includes mobilization, travel, and tolls.

- If this is a Prevailing Wage job, please contact our office for a revised quote. This quote would not be applicable in that case. If at some later date this project is determined to be a prevailing wage job, then any extra expense incurred by Utility Survey Corp. would be the responsibility of the client.

Company policy is for technicians to travel to the job site regardless of weather. It is they who will make a determination if the job can be satisfactorily accomplished or not. There will be no cost to the client if technicians conclude that weather conditions will adversely affect the work and rescheduling is necessary. We request that clients do not make this determination for us as the day may be charged for and rescheduling to meet the client's timetable may not be possible.

Please call me directly at 1-800-825-9283 if you have any questions, or if you would like to schedule a start date. Thank you for this opportunity.

Sincerely yours,

Lynne Leary

Lynne Leary
Office Manager

Click for 2-Minute Video: http://youtu.be/UbYlmrIX3m4