URS

August 10, 2004

Ralph Burger
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233

RE: POULTNEY STREET SITE # 5-58-019
REMEDIAL DESIGN
WORK ASSIGNMENT #D003825-62
TRANSMITTAL OF DRAFT WORK PLAN

Dear Ralph:

Please find enclosed five copies of the draft Project Management Work Plan for the above-referenced site.

Pursuant to discussions with project manager Russell Huyck during development of this work plan, the scope of this project has been expanded to include a predesign investigation to collect geotechnical data needed to evaluate various shoring designs during the 35% design. Therefore, a new subtask was added to Task 2 to include this fieldwork. Additionally, the work plan budget was expanded to account for the development of the scope of the fieldwork and to solicit quotations for the drilling and geotechnical analyses. Combined, this added about $18,000 to the project budget.

Estimating design requirements from first principles, URS has estimated that an additional $32,600 above the $50,000 allotted for the design will be required. Specifically, URS has estimated that following the design investigation work, $20,250 will be required to complete the Design Analysis Report and produce the 35% design, $33,250 to bring the design from 35% to 65% (providing the majority of the design substance), and $23,000 to produce the final design. In addition to this, $5,000 is required to submit the necessary permit applications and $1,500 to develop the work plan for construction oversight.

Copies of quotations for the drilling work and geotechnical analyses have been sent under separate cover.

Please call me if you have questions.

Sincerely yours,

Jon Sundquist /SOV

Jon Sundquist, Ph.D.
Project Manager
cc: Russell Huyck, P.E., NYSDEC Region 5
File: 11173629 / C-1

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REMEDIAL DESIGN WORK PLAN

PROJECT MANAGEMENT WORK PLAN

WORK ASSIGNMENT D003825-62

POULTNEY STREET SITE
WHITEHALL (V)

SITE NO. 5-58-019
WASHINGTON (C), NY

Prepared for:
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 Broadway, Albany, New York

Erin M. Crotty, Commissioner

DIVISION OF ENVIRONMENTAL REMEDIATION

URS Corporation Group Consultants
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DRAFT
August 2004

G3441E

REMEDIAL INVESTIGATION AND DESIGN

PROJECT WORK PLAN AND BUDGET ESTIMATE

POULTNEY STREET

SITE # 5-58-019

Whitehall (V), NEW YORK

Prepared For:

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
WORK ASSIGNMENT D003825-62

AUGUST 2004

Prepared by:

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1.0 INTRODUCTION

This *Work Plan* has been prepared to identify the activities and costs for the Remedial Design (RD) at the Poultney Street site in Whitehall, New York. This is Work Assignment No. 62 under URS Corporation's (URS's) Standby Contract with the New York State Department of Environmental Conservation (NYSDEC).

1.1 Site Background

1.1.1 Site Description and History

The Poultney Street site is located on an island, near U.S. Route 4, in the Village of Whitehall, Washington County, New York. See Figure 1-1. The island is zoned light industrial. In November 1990, the NYSDEC classified the Poultney Street site as "Class 2" on its Registry of Inactive Hazardous Waste Sites.

The Poultney Street site is an undeveloped parcel of land, approximately two acres in size, and is a portion of a 10-acre property that is owned by the Clarendon and Pittsford Railroad Company. The 10-acre property encompasses land on both the north and south sides of their active railroad line. See Figure 1-2. Neighboring the Poultney Street site is the former E. B. Metals Facility to the north, an active, raised railroad embankment to the south, the Champlain Canal to the west, and Wood Creek to the east (Figure 1-2).

The site consists of a drum staging area on the western portion of the property, and a former fire training area near the center of the property. In the early 1970's, the site was used for training exercises by seven local fire departments. The local fire departments brought containers of flammable materials, solicited and obtained from various sources, to the property for fire extinguishing training and practice. In 1989, forty drums were identified and removed from this area and subsequently sampled and shipped offsite for proper disposal. The NYSDEC collected environmental samples in late 1989 and a number of contaminants were identified, including, but

not limited to, acetone, xylenes, toluene, trichloroethene (TCE) and 1,1,2-trichloroethane (1,1,2-TCA). Based on the 1989 data, a NYSDEC contractor collected additional samples in 1995, finding volatile organic compounds (VOCs) in both the soil and groundwater. Environmental Liability Management, Inc. (ELM) performed an additional site investigation for the potentially responsible party in 1998, which documented the presence of VOC contamination in soil and groundwater. An interim action to remove 15 cubic yards of contaminated soil was also performed pursuant to the findings of the ELM investigation.

1.1.2 Site Hydrogeology

Four stratigraphic units have been identified at the site: a fill layer, a clay unit with fine sand lenses, a semi-confined sand unit, and a laterally continuous basal clay unit. A wedge of fine gravel is present in the northeastern portion of the site. Bedrock was not encountered in any of the site borings, but is estimated to be approximately 50 to 100 feet below ground surface.

Based on boring log information and water level data, two water-bearing zones are present on the site: shallow groundwater in the sandy clay unit and deep groundwater in the semi-confined sand unit. Shallow groundwater flows generally north and northwest and discharges to the Champlain Canal and Wood Creek. Hydraulic conductivities were measured in the new monitoring wells that span both water bearing zones. Measured hydraulic conductivities range from 1.18×10^{-4} cm/sec to 1.20×10^{-3} cm/sec. The direction of groundwater flow in the semi-confined sand unit could not be determined due to the screened intervals of the newly installed monitoring wells that screen both the shallow and deep groundwater flow regimes. The basal clay unit defines the lower extent of the deep groundwater zone. The two water-bearing units are in communication via the semi-confining sandy clay unit. That is, the clay in this unit is not laterally continuous, and is absent in the northeastern portion of the site. Therefore, there is a certain degree of communication of groundwater between the two zones where the clay is thin or absent, especially in the vicinity of MW-3.

1.1.3 Nature and Extent of Contamination

Surface Soil

Parameter concentrations detected in the surface soils are indicative of natural background levels, as all exceedances of soil standards, criteria or guidance values (the semivolatile organics [SVOCs] benzo(a)anthracene, benzo(a)pyrene, and dibenz(a,h)anthracene) were found in background soil samples. Therefore, there is no contamination present in the surface soils at the Poultney Street site.

Subsurface Soil

Figure 1-3 shows the horizontal extent of contamination in soils as defined by the analytical results from the analyzed subsurface soil samples. Detected VOC compounds that exceed the NYS soil SCGs include benzene, ethylbenzene, toluene, TCE, vinyl chloride, and total xylene. To a much lesser extent, some SVOC compounds (benzo(a)anthracene, benzo(a)pyrene, dibenz(a,h)anthracene, and phenol) exceed the NYS soil SCGs. TCE was detected most frequently and at the highest concentrations.

Subsurface soils are characterized by high concentrations of contaminants in the vicinity of the former trench near monitoring wells MW-06 and PZ-09. Concentrations of detected compounds decrease radially away from these areas until the detected compounds no longer exceed the NYS soil SCGs. The vertical extent of contamination in soils is marked by the relatively impermeable basal clay unit, except in the vicinity of MW-06, where elevated PID readings were observed even in samples taken from the basal clay. Free product was observed in split spoon sample intervals collected from below the water table. Free product was observed in some split spoon samples taken from other borings in the former trench area, including SB-1, SB-7, SB-8, and SB-11. In addition, many samples from the saturated zone exhibited a sheen.

No secondary contamination source was detected in the vicinity of SB-13, as had been previously postulated. Four borings were installed in this area and did not reveal significant

levels of contaminants. By plotting the elevations of the basal clay unit, it was observed that surface of the clay sloped northeast from the source area towards the SB-13 area (clay elevations appear to be level or slightly higher further to the northeast). The elevated concentrations northeast of the source area may be due to NAPL migration along the top of the clay layer.

Additionally, SB-19, installed in the sewer bedding along the sanitary sewer north of the site, was found to contain no VOCs above quantitation limit, suggesting that the bedding is not serving as a preferential migration pathway.

Groundwater

Detected VOC compounds that exceed the NYSDEC Class GA SCGs include 1,1,2-TCA, 1,2-dichloroethane (1,2-DCA), 1,2-dichloroethene (1,2-DCE) (cis and trans), 1,1-DCE, TCE, acetone, benzene, ethylbenzene, methyl ethyl ketone (2-butanone), tetrachloroethene, toluene, vinyl chloride, and total xylene.

The shape of the groundwater contaminant plume has not been fully defined. The highest contaminant concentrations are in the vicinity of the source area near MW-06, where the trench was formerly located, and to the northeast near SB-13. One possible explanation for elevated levels at SB-13 is that, should DNAPL be present, it may have flowed along the top of the sandy clay unit, which decreases in elevation from the source area towards SB-13. Alternatively, the NAPL contamination may have flowed along the top of the upper clay (with sand lenses) layer found closer to the surface. This unit was also found to slope to a local depression located northeast of the source area, and would explain why groundwater contaminant concentrations were higher in the shallower piezometers than the monitoring wells which were screened in both the shallower clay (with sand lenses) zone and the sand layer found below.

Based on PID readings on soil samples collected during the boring program, the vertical limit of groundwater contamination is the top of the basal clay unit, except in the vicinity of the source area where the basal clay unit is also contaminated. The horizontal extent of

contamination in the groundwater is unclear since compounds were detected exceeding the NYS groundwater SCGs in all groundwater samples, except MW-4.

1.2 Description of the Selected Remedy

The selected remedy identified in the ROD comprises the following principal components:

1. Contaminated subsurface soils above SCGs will be excavated and properly disposed of at an offsite hazardous waste treatment and/or disposal facility. The site will be restored by grading, placement of topsoil, and seeding of excavated areas. See Figure 1-3 for location of the excavation areas.

2. A Monitored Natural Attenuation (MNA) program will be developed. It will include long-term groundwater monitoring of natural attenuation parameters, including but not limited to, dissolved oxygen, oxidation/reduction potential, ferrous iron, sulfate/ sulfide and contaminant concentrations will be conducted. These parameters will be used to evaluate the overall effectiveness of the remedy.

3. A soil gas investigation will be completed to determine the magnitude and extent, if any, of vapor phase contaminants in the subsurface.

1.3 Design of the Selected Remedy

This PMWP will develop the design of the three components as follows:

1. Plans and specifications (the contract documents) will be developed to be sufficient to procure a remedial contractor to excavate and dispose of a predefined volume/extent of contaminated material. This PMWP is based on excavation as detailed in the Feasibility Study (URS, Nov. 2003):

- The area of excavation will be sheeted to minimize the volume of soil removed and to ensure the stability of the adjacent railroad embankment.

- Excavated soil will be staged on a low permeability liner and covered.

- Water draining from the excavated soil stockpile will be collected, treated as necessary, and discharged to the environment or the nearby sanitary sewer.

- Excavated soil will be shipped off-site for disposal.

2. The MNA program will be developed under this work order in two parts. The contract bid documents will include the installation of the required monitoring well network. Those documents will specify the location and all of the necessary installation details (depth, screen, sand pack, etc.) necessary for the selected remedial contractor to install and develop all of the monitoring wells necessary for the implementation of the MNA program. Additionally, a separate, stand-alone document will be developed, during the design process, describing the implementation of the MNA program. That document will describe monitoring frequency and analytical parameters necessary to evaluate the natural attenuation of the contaminant plume. That document will be sufficient for the NYSDEC to use for the performance or subcontracting of the implementation of the MNA program.

3. The soil gas survey will be included in the contract bid documents for performance by the remedial contractor.

2.0 SCOPE OF WORK

The purpose of the remedial design for Poultney Street site is to satisfy the major objectives of the selected remedy for this site as outlined in Section 1.2.

This project involves a Remedial Design Investigation (RDI) followed by the preparation of detailed plans and specifications for use in competitive bidding for construction of the selected remedial alternative. This project consists of the following major tasks:

- Task 1 – Work Plan Development
- Task 2 – RDI and Design Alternative Analysis (35% Design)
- Task 3 – Design of the Selected Alternative (65% Design)
- Task 4 – Final Design and Contract Documents

This project will be performed in accordance with Schedule 1, Item C of the Superfund Standby Contract between NYSDEC and URS (entitled "Work Element III – Remedial Design").

The following sections describe the scope of work for each of these tasks, and their corresponding sub-tasks.

2.1 Task 1 –Work Plan Development

In preparation of this Work Plan (WP), URS reviewed the Remedial Investigation (RI) and the Feasibility Study (FS) Reports, the ROD and other available pertinent information for this site. URS identified the need to collect some geotechnical data and thus had to develop and budget for a field program in addition to the original scope which excluded any field work. URS

presented the proposed field work to NYSDEC in two conference calls prior to development of the work plan. Because of the needed field work, a health and safety plan was also developed during this Task.

Budget Assumptions

No site visit to be attended by URS.

Deliverables

- Draft WP (5 copies to NYSDEC)
- Final WP (5 copies to NYSDEC)

2.2 Task 2- RDI and Design Alternative Analysis (35% Design)

2.2.1 Sub-task 2.1- Remedial Design Investigation (RDI)

Site survey, subsurface soil, and geotechnical data beyond that collected during the RI will be required in order to evaluate the design alternatives that will be considered in the 35% Design phase (Subtask 2.2). The rationale for each element of the RDI is described below.

The RDI field activities described below will be performed by URS or by subcontractors under the direct oversight of URS personnel.

2.2.1.1 Work Element – Shoring Design and Slope Stability Borings

The shoring design boring program consists of two borings as shown on Figure 2-1 and will include the following:

- The first boring (RDI-1) will be placed at the toe of the railroad embankment in the close proximity to the largest area to be sheeted and will be advanced to a depth of 70 feet below the existing grade. The intent of this boring is two-fold:

  - It will explore the subsurface soil conditions well below the proposed depth of excavation. Knowing this information is a key element in designing a cantilever shoring system for this site. Typically a cantilever sheeting system extends to about twice the depth of excavation. The maximum depth of excavation for this site is documented in the FS to be about 22 feet. Borings performed as part of the RI were terminated only about 25 feet below ground surface.

  - It will determine the thickness of the basal clay unit reported in the RI to underlie the contaminated soils. Undisturbed Shelby tube samples from the basal clay unit will be obtained for determining its in-situ permeability properties. This information will be used in the conceptual hydro-geologic model of the site, which will be used to develop the monitoring well network for the Monitored Natural Attenuation program.

- The second boring (RDI-2) will be placed at the toe of the railroad embankment and will be advanced *at an angle* to a depth of 70 feet below the bottom of the existing grade. The intent of this boring is to explore the subsurface soils directly beneath the embankment and determine their engineering properties. Knowing this information is a key element in evaluating slope stability of the embankment and designing a sheeting system for this site. Although the hydrogeology of the area beneath and outside the embankment could be the same, the soil beneath the embankment has been subjected to the loading from the embankment and the trains, resulting in different shear strength values than those outside the embankment. In addition, since the subsurface soils as documented in the RI have low shear strengths (as evidenced by the low blow counts) a cantilever sheeting system may require tie-backs. If a tie-back system is required, knowing the shear strength of the materials beneath the embankment will assist URS in developing the design.

The following general approach will be followed in conducting the field activities:

- The locations of the borings will be marked in the field by URS prior to the start of drilling. All utilities will be cleared prior to drilling.

- The proposed borings will be advanced utilizing a track-mounted drill rig and conventional auger drilling methods. Standard Penetration Test (SPT) will be performed at 5- foot intervals and split spoon soil samples will be collected from each boring, in accordance with ASTM "Standard Method for Penetration Test and Split Barrel Sampling of Soils, Standard D1586-84.

- Two Shelby tube samples will be obtained from the basal clay unit encountered at RDI-1 for permeability testing. Since RDI-2 is advanced *at an angle*, if SPT values were obtained on the RDI-2 split spoons soil samples they could not be correlated to their shear strength values. Therefore, four Shelby tube samples will be obtained from the upper and lower clay units from this boring for unconfined compressive strength testing.

- A URS geologist will log all related drilling information in a dedicated bound field notebook. This will include and not be limited to: groundwater observations, the SPT values, and Unified Soil Classification System (USCS) soil description.

- A representative portion of each of the collected split spoon samples will be placed in air-tight jars with the following information on the jar lid: Boring number, sample number, depths, blow counts, and date drilled. These samples will be transported to the geotechnical laboratory for testing.

- All boreholes will be backfilled with a cement/bentonite grout mix after completion of the borings.

- The cuttings will be properly containerized and stored on-site, to be properly disposed in an off-site facility during the construction phase of this project.

- Drilling equipment and heavy machinery will be steam cleaned on-site. All water generated during washing will be containerized in 55- gallon drums and left on-site to be properly treated or disposed in an off-site facility during the construction phase of this project.

In addition to the above drilling program, the following laboratory testing will be performed on selected soil samples from the proposed borings.

- 30 Moisture content tests

- 15 Atterberg limits

- 4 Grain size analysis with hydrometer

- 4 Permeability tests

- 4 Unconfined Compressive Strength tests

Budget Assumptions

- Unanticipated subsurface soil conditions may require modification of the boring program.

- The results of the RDI will be presented to the NYSDEC in the 35% DAR.

- One site visit to be attended by the Project Remedial Design Engineers.

- The RDI work will be performed on the railroad property. Permit from the property owner will not be required to conduct the field activities.

Deliverables

The results of the boring program will be presented in the 35% DAR (Subtask 2.2).

2.2.1.2 Work Element – Railroad Embankment Cross-Section Survey

URS will establish on-site horizontal and vertical controls based upon the use of National Geodetic Survey control. This shall be accomplished through the use of Global Positioning Survey (GPS) with Real Time Kinematic (RTK) methods. The survey will develop three (3) sections approximately perpendicular to the railroad located immediately south of the project. See Figure 2-1 for location and extent of the proposed cross-sections. The proposed sections are spaced at approximately 50 feet intervals. Additionally, during this task URS will establish the horizontal and vertical location of the existing monitoring wells installed during the RI and other investigations with respect to an established geodetic datum. This information will then be compared with the previous survey work completed by others and the base map developed during the RI/FS will be adjusted to the newly established controls.

Budget Assumptions

- The survey information obtained during the RDI will be presented to NYSDEC in the 35% design submittal (Subtask 2.2).

- A property boundary survey will not be performed. The previous investigations have established that the site is situated well within the railroad property.

- The survey information obtained during the RDI will be added to the existing base map developed for the RI/FS. This base map will be used for developing construction plans for the Contract bid Documents.

- The RDI work will be performed on the railroad property, but a permit from the property owner will not be required to conduct the field activities.

Deliverables

The results of the survey effort will be presented in the 35% DAR (Subtask 2.2).

2.2.2 Sub-task 2.2- Design Alternative Analysis (35% Design)

The soil excavation design assumes that the extent of contaminated soil that will be remediated (i.e., excavated and disposed of offsite) will be that extent shown in the FS and the ROD. The extent of contaminated soil will not be further refined or confirmed in the RDI (see Section 2.1.1), nor will confirmatory post-excavation sampling be performed in the field. Because the contaminated area is located primarily below groundwater and is rather deep, the excavation will be shored.

The 35% design phase will include the evaluation of two shoring design alternatives. Before proceeding with the design, URS will contact Clarendon and Pittsford Railroad Company (C&P Railroad) to determine their design requirements for work within their right-of-way. The first alternative will use sheet piles to surround the entire contaminated soil areas. The second will use sheet piles or a trench box to support a series of cells that are excavated sequentially across the contaminated areas. The first alternative will require heavier sheeting sections to account for the lateral loading from the railroad embankment. The second alternative will require that the shoring be moved as the excavation proceeds from cell to cell. The evaluation will compare the greater material costs of the first alternative to the greater labor costs of the second in order to estimate the less expensive method.

The Feasibility Study (URS, Nov. 2003) evaluated dry excavation methods as well as the wet methods mentioned above. The FS concluded that the dry excavation methods were more expensive than the wet methods. Additionally, the dry methods will require a larger construction water treatment plant than the wet methods, and could increase the risk of consolidation of the soils beneath the adjacent railroad embankment. This PMWP will not evaluate dry methods further.

URS will also contact the local POTW and the NYSDEC to determine the relevant criteria for discharge of the treated construction water to surface water or the sanitary sewer, and off-gasses from the air stripper to the atmosphere.

URS will develop a Design Analysis Report (DAR) to present the evaluation of the different construction alternatives for soil removal and shoring. It will include a conceptual construction cost estimate for both alternatives, with a recommendation of the preferred alternative. The report will also present:

- Site Survey summary
- Results of the RDI geotechnical borings including logs and lab data and interpretation.
- The conceptual design of the soil gas investigation.
- The conceptual design of the natural attenuation program.
- The recommended discharge location for the treated construction water.

Budget Assumptions

- The 35% DAR will be submitted only once. All review comments received from the NYSDEC on the 35% design submittal will be incorporated as part of Task 3 in the 65% Design.

- The 35% DAR will be accompanied by the conceptual-level submission of two drawings: One plan view sheet, presenting the existing site features, limits of contaminated soil, and one sheet incorporating the survey information collected during the RDI with the RI/FS information showing the location and alignment of the selected shoring system.

- The subsurface soil information obtained during the RDI will support design of a cantilevered sheeting system. Unanticipated soil conditions may require design of a dewatering system and braced sheeting system.

- No meetings with NYSDEC are included in the cost estimate

Deliverables

- 35% DAR and conceptual level submission of two drawings (5 copies to the NYSDEC).

2.3 Task 3- Design of the Selected Alternative (65%)

Under this task, URS will refine the 35% DAR, incorporating the NYSDEC's comments, and develop intermediate-level bid plans and specifications. See Table 2-1 for the anticipated list of drawings. The 65% Design will identify the proposed sampling locations for the soil gas investigation, and the proposed monitoring well network and sampling protocol for the MNA program.

The design of the sheeting and construction water treatment process will be developed as a performance specification. A conceptual process flow diagram will be included in the plans and specifications. The contractor will be required to design the elements of the treatment system to meet the specified discharge criteria for both air and water.

URS will develop a construction cost estimate for the remedial design not in this task, but, rather, as part of the final design in Task 4.

Budget Assumptions

- All review comments received from the NYSDEC on the 65% design will be incorporated as part of Task 4 in the Final Design.

- No meetings with the NYSDEC are included in this task. Design issues will be addressed through a conference call prior to 65% design submission.

Deliverables

- The 65% DAR and intermediate-level plans and specifications (5 copies to the NYSDEC)

- List of technical specifications to be used – approximately half will be completed and presented with the submittal.

- Draft MNA program plan (5 copies to the NYSDEC)

2.4 Task 4- Final Design and Contract Documents

2.4.1 Sub-task 4.1- 95% Design

Under this sub-task, URS will develop draft-final contract drawings, specifications, and DAR. See Table 2-1 for a list of drawings anticipated to be submitted. The MNA program description will also be finalized. A construction cost estimate for the selected alternative will be developed. URS will utilize NYSDEC's standard construction contract clauses and format (latest version) in preparing Division 1 specifications. The final specifications will also include minimum requirements for the site management plan, and the construction quality assurance/health and safety plans to be prepared by the selected remedial contractor.

Budget Assumptions

- All review comments received from NYSDEC will be incorporated as part of sub-task 4.2 in the Contract Bid Documents.

- Technical issues relating to the design will be discussed via conference call with NYSDEC.

Deliverables

- Draft final DAR and Contract Documents (Plans and Specifications) (5 copies to the NYSDEC)

- Draft final MNA program plan (5 copies to the NYSDEC)

2.4.2 Sub-task 4.2- 100% Design

Under this sub-task, URS will finalize the plans and specifications to be used in competitively bidding the construction of the selected remedy in conformance with New York State and applicable federal laws, rules, regulations, and guidelines.

Additionally, URS will prepare a Limited Site Data document for inclusion with the bid package.

Budget Assumptions

No time has been included in this task for assistance during bidding.

Deliverables

- Contract Documents (Plans and Specifications) (75 copies to the NYSDEC)
- Stamped Mylar originals of bid drawings (1 set to the NYSDEC)
- 75 drawing sets produced from stamped Mylar originals to the NYSDEC.
- 75 copies of the Limited Site Data Document
- Electronic versions, on compact disk, of all final deliverables: reports in PDF format, and drawings in AutoCAD.
- Final DAR
- Final MNA plan

2.4.3 Subtask 4.3- Permits

Air Discharge Permit

Because the air stripper will be used in a NYSDEC groundwater remediation project, the discharge of off gasses from the air stripper must only meet the substantive intent of the relevant air discharge permit - no formal submission and/or approval of an application is required.

Construction Water Discharge Permit

Construction water and any stormwater that comes in contact with the stockpiles of contaminated soil will be treated as necessary and discharged to either surface water or the nearby sanitary sewer. A permit or permit equivalency will be required for either approach. During Task 3, URS will identify the discharge location. In this subtask (4.3) URS will prepare the application for the discharge. No treatment methodology or design information will be included in the application, however, as that will be developed by the contractor during the remedial construction.

Railroad Permit

During Subtask 2.2, URS will notify the Clarendon and Pittsford Railroad Company (C&P) in writing of the remedial design construction activities. C&P will identify the design and permitting requirements necessary to perform work within their Right-of-Way. The bracing of the excavation will be designed to meet, at a minimum, the C&P requirements. This PMWP assumes that the design documents developed as stated herein will be sufficient for any permit application(s) required by C&P, and that only one submission to C&P will be required to obtain the necessary permit(s) from them.

Budget Assumptions

- Only the above referenced permit applications will be prepared, and will be submitted only once.

- Permit applications will be provided to the NYSDEC for review as part of the design deliverables (tasks 2, 3, and/or 4), and submitted to the relevant regulatory agency(ies) after resolution of all comments.

- The project site is not within any wetlands, so no permit for wetland filling or disturbance will be required.

- The area to be disturbed during the construction will be less than one acre so that no SPDES permit for stormwater discharges from construction activities will be required.

- The cost estimate does not include payment of any permit fees.

Deliverables

- The NYSDEC will receive copies of all permit application forms submitted to the relevant regulatory agency(ies).

2.4.4 Sub-task 4.4 – Construction Oversight Workplan and Budget

URS will prepare a workplan and budget for the Construction Oversight necessary to observe and document the remedial construction. These documents will be included in the 95% and 100% design submittals (Sub-tasks 4.1 and 4.2, respectively). The workplan will be developed in accordance with NYSDEC TAGM #4011, and will include assistance during bidding. The budget will be conceptual-level, based upon an estimated duration of construction.

TABLE 2-1

POULTNEY STREET
ANTICIPATED DRAWING LIST

	Included with Deliverable			
Drawing List				**Title**
	35% Design	**65% Design**	**Final Design**	
		x	x	Cover, Site Location Maps
1		x	x	Legend Index and Abbreviations
2		x	x	Existing Site Conditions
3	x	x	x	Site Development Plan
4		x	x	Soil Gas Investigation Sampling Plan
5		x	x	Groundwater Natural Attenuation Well Location Plan
6	x	x	x	Details 1 of 2
7		x	x	Details 2 of 2
8		x	x	Erosion and Sediment Control Plan
9		x	x	Erosion and Sediment Control Details
10		x	x	Cross-sections 1 of 2
11		x	x	Cross-sections 2 of 2

3.0 PROJECT SCHEDULE

Table 3-1 presents the project schedule dates, milestone dates, and deliverable due dates. In developing the design due dates, URS has assumed a 10 business day review period for the NYSDEC.

TABLE 3-1

POULTNEY STREET
PROJECT SCHEDULE AND MILESTONES

WORK ELEMENT	WEEKS FROM ISSUANCE OF WA	DATE
Issuance of Work Assignment	0	March 30, 2004
Submit Draft Work Plan	15	August 6, 2004
Submit Final Work Plan	18	August 27, 2004
NYSDEC Issue Notice to Proceed	19	September 3, 2004
Initiation of RDI field work	21	September 20, 2004
Submit 35% Design	30	November 24, 2004
Submit 65% Design	38	January 14, 2005
Submit 95% Design	44	February 25, 2005
Submit Final Design	48	March 25, 2005

4.0 IDENTIFICATION OF AREAS OF WORK REQUIRING SUBCONTRACTING

As prime contractor, URS will be responsible for coordinating all subcontractor activities. All subcontractors will be subject to approval by the NYSDEC before award of the subcontracts. URS will conduct all project activities not specifically designated to other subcontractors.

URS has preliminarily identified the following tasks and portions of the work assignment that we propose to subcontract:

- Drilling
- Geotechnical Laboratory Soil Testing
- Report/specification reproduction
- Blueprinting of plan drawings

URS understands the requirements of Minority Business Enterprise (MBE) and Women Business Enterprise (WBE) participation and will make good faith efforts to subcontract at least 15 percent and 5 percent of the total contract price to New York State MBEs and WBEs, respectively.

5.0 STAFFING PLAN/KEY PERSONNEL

The proposed staffing plan, including key personnel and their responsibilities, is described below. The resumes of key personnel who will fill these positions are on file with the NYSDEC.

- Project Director (J. Gorton) is the URS corporate officer responsible for assuring the availability of resources, overall project performance, and representing URS in all contractual matters with NYSDEC.

- Project Manager (J. Sundquist, Ph.D.) will be responsible for technical and financial management of the project, and for overall coordination and review of component work activities. The Project Manager will serve as the initial and primary contact with NYSDEC throughout the project.

- Project Quality Assurance Officer (J. Lanzo, P.E.) will ensure that all project deliverables undergo a thorough QA review by senior staff members who are qualified and experienced in appropriate disciplines.

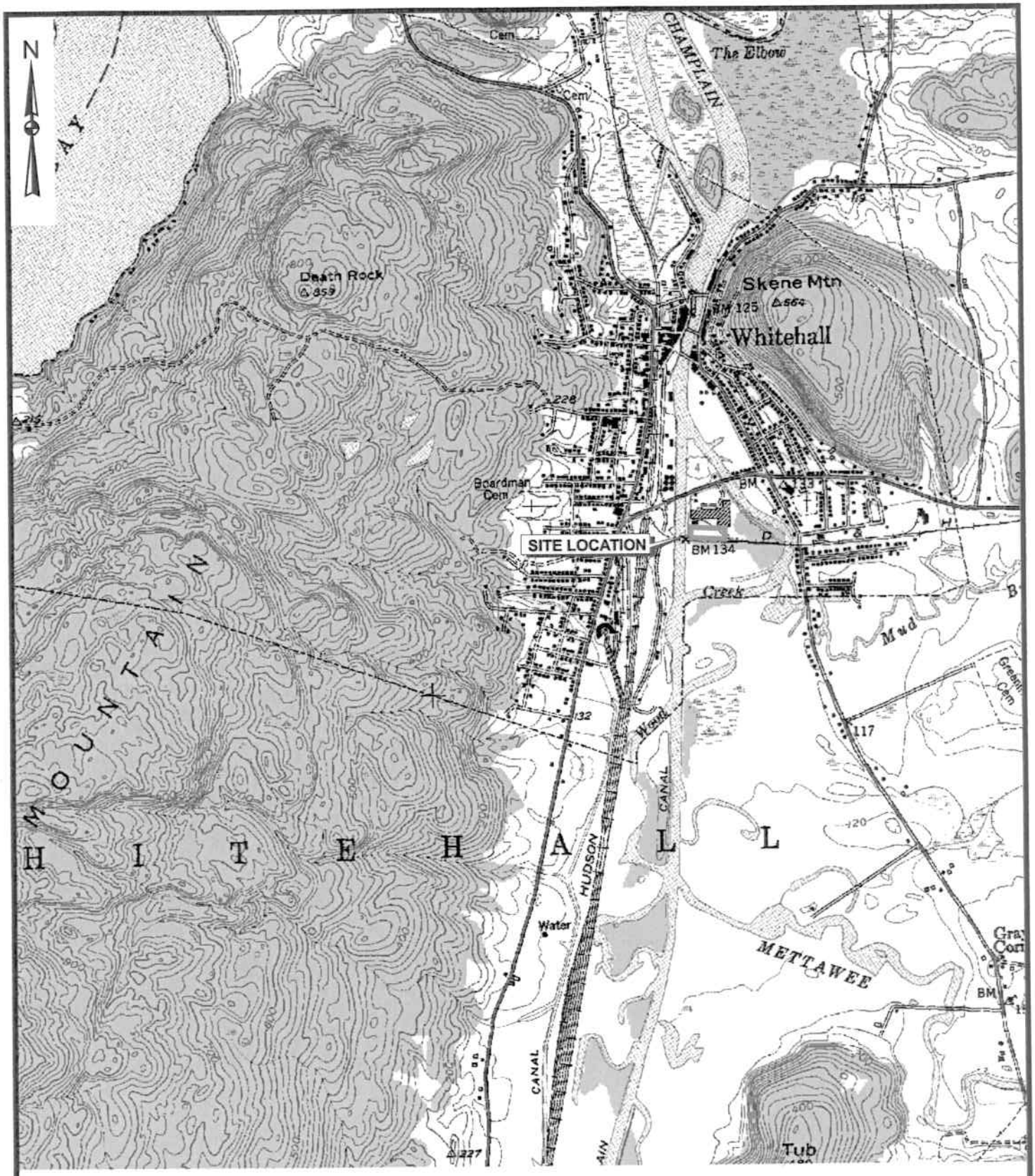
- Field Investigation Coordinator (M. Gutmann) will be responsible for overall coordination of all field investigation activities. Other approved staff members will be utilized on an as-needed basis.

- Remedial Design Engineers (R. West, P.E. and M. Assian), will be responsible for the remedial design, including the preparation of detailed engineering plans and specifications. Other approved staff members will be utilized on an as-needed basis.

- Project Health & Safety Officer (S. Sherman, CIH) will coordinate the development of the Health and Safety Plan and will provide technical guidance and input to assure proper implementation.

6.0 PROJECT COST ESTIMATE

URS will complete this project for an estimated budget of $110,630. Appendix A contains a task-by-task breakdown of project costs, in the format of Contract 2.11 forms.



SOURCE:
USGS Topographic 7.5 Minute Quadrangles
Whitehall, NY - 1990

2000 0 2000 Feet

URS	POULTNEY STREET SITE WHITEHALL, NEW YORK SITE LOCATION MAP	FIGURE 1-1

J:\35944.01\db\GIS\sitelocation.apr SITE LOCATION
11/15/2002

N

CHAMPLAIN CANAL

CANAL DIKE

UP.

UP.

BRICK POWER HOUSE

CONCRETE PAD FOR 4000 GALLON FUEL OIL TANK

CINDER DRIVE

E.B. METALS FACILITY

UP.

SANITARY SEWER LINE

SMH

ARBITRARY SITE BENCHMARK
N: 6000
E: 5000

UP.

PROPERTY LINE

UP.

ARBITRARY ELEVATION DATUM 100 FT

FORMER DRUM STAGING AREA

FORMER LOCATION OF TRENCH IN FORMER FIRE TRAINING AREA

~800 ft to WOOD CREEK

DENSE VEGETATION

BRIDGE ABUTMENT

TOE OF SLOPE (APPROX.)

EDGE OF VEGETATION (TYP.)

ELEVATED RAILROAD BED

NOTE: Location of site features and property line are based on Figure 3 of the Remedial Investigation Report prepared by Environmental Liability Management, Inc. dated March 19, 1991.

50 0 50 Feet

POULTNEY STREET
SITE PLAN

URS

FIGURE 1-2

J:\35844.01\dgn\Poultney2.dgn SITE PLAN
7/7/2004

N

CHAMPLAIN CANAL

BRICK POWER HOUSE

CONCRETE PAD FOR 4000 GALLON FUEL OIL TANK

E.B. METALS FACILITY

CINDER DRIVE

UP.

ARBITRARY SITE BENCHMARK
N: 5000
E: 5000

SANITARY SEWER LINE

SB-19

SMH

MW-04

MW-03

ARBITRARY ELEVATION
DATUM 100 FT

PROPERTY LINE

FORMER DRUM STAGING AREA

FORMER LOCATION OF TRENCH IN FORMER FIRE TRAINING AREA

SB-15

SB-16

SB-17

SB-18

MW-01

MW-02

MW-05

SB-10

SB-11

SB-12

SB-07

SB-03

SB-04

SB-08

~600 ft to WOOD CREEK

DENSE VEGETATION

EDGE OF VEGETATION (TYP.)

TOE OF SLOPE (APPROX.)

ELEVATED RAILROAD BED

Legend

- Monitoring Well (Previously Installed)
- Soil Boring (Previously Drilled)
- Estimated Extent of Soil Contamination

50 0 50 Feet

POULTNEY STREET
EXTENT OF CONTAMINATION IN SOILS

URS

FIGURE 1-3

J:\35844.01\dwg\GIS\poultney2.apr CONTAMINATED SOILS
7/7/2004

N

CHAMPLAIN CANAL

BRICK POWER HOUSE

CONCRETE PAD FOR 4000 GALLON FUEL OIL TANK

E.B. METALS FACILITY

CINDER DRIVE

UP.

ARBITRARY SITE BENCHMARK
N: 5000
E: 5000

SANITARY SEWER LINE

SB-19

MW-04

SMH

ARBITRARY ELEVATION DATUM 100 FT

MW-03

PROPERTY LINE

FORMER DRUM STAGING AREA

FORMER LOCATION OF TRENCH IN FORMER FIRE TRAINING AREA

SB-15

SB-16

SB-17

SB-18

MW-01

MW-05

SB-10

SB-11

SB-12

SB-07

SB-04

MW-02

SB-06

RDI-1

RDI-2

~800 ft to WOOD CREEK

DENSE VEGETATION

EDGE OF VEGETATION (TYP.)

TOE OF SLOPE (APPROX.)

ELEVATED RAILROAD BED

Legend

- Proposed RDI Boring
- Monitoring Well (Previously Installed)
- Soil Boring (Previously Drilled)
- Estimated Extent of Soil Contamination
- Excavation Areas and Sheetpiling Placement
- Proposed Survey Cross-Section Alignment

50 0 50 Feet

J:\35944.015\GIS\poultney2.apr PROPOSED BORING LOCATIONS
7/7/2004

POULTNEY STREET
BORING LOCATION PLAN

URS

FIGURE 2-1

APPENDIX A

PROJECT BUDGET ESTIMATE

SCHEDULE 2.11(a)

Summary of Work Assignment Price
Poultney Street Design
Work Assignment D003825-62

1) Direct Salary Costs (Schedules 2.10(a) and 2.11(b))	$39,679
2) Indirect Costs (Schedule 2.10(g))	$48,011
3) Direct Non-Salary Costs (Schedules 2.10(d)(e)(f) and 2.11(c)(d)	$3,236

Subcontract Costs

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

Name of Subcontractor	Services to be Performed	Subcontract Price
4) Total Cost-Plus-Fixed-Fee Subcontracts		

Unit Cost Subcontracts (Schedule 2.10(f) and 2.11(f)

Name of Subcontractor	Services to be Performed	Subcontract Price
A) SJB Services	Geotechnical boring	$4,715
B) GZA Geoenvironmental	Geotechnical Analyses	$2,320
C) Queen City Imaging	Copying/Publication	$3,900
D)		
5) Total Unit Cost Subcontracts		$10,935
6) Subcontract Management Fee		
7) Total Subcontract Costs (lines 4 + 5 + 6)		$10,935
8) Fixed Fee (Schedule 2.10(h))		$8,769
9) Total Work Assignment Price (lines 1 + 2 + 3 + 7 + 8)		$110,630

Date Prepared: 08/10/04

URS Greiner Consultants, Inc.
Poultney Street Design
Work Assignment D003825-62

Date Prepared: 08/10/04

Schedule 2.11(b)

Direct Labor Hours Budgeted

Labor Classification	*IX*	*VIII*	*VII*	*VI*	*V*	*IV*	*III*	*II*	*I*	*Admin.*	*Total Direct Labor Hrs.*
*Avg. Salary Rate ($) (Year_1998-99___)	$51.47	$45.49	$38.30	$30.89	$25.36	$21.19	$17.94	$14.86	$12.12	$8.85	
*Avg. Salary Rate ($) (Year_1999-00___)	$53.27	$47.08	$39.64	$31.97	$26.24	$21.94	$18.57	$15.38	$12.55	$9.16	
*Avg. Salary Rate ($) (Year_20-01___)											
Task 1 - Task 1 Remedial Design Work Plan		4	32	28	32		32	32		8	168
Task 2 - Task 2.1 RDI			8	16	2		40		36		102
Task 3 - Task 2.2 35% Design		2	24	24	79	96		56			281
Task 4 - Task 3 65% Design		4	24	51	53	216	56	94			498
Task 5 - Task 4 Final Design		10	24	57	57	124	8	88			368
Task 6 -											
Task 7 -											
Task 8 -											
Task 9 -											
Task 10-											
Task 11-											
Task 12-											
Task 13-											
Task 14-											
Task 15-											
Total Hours		20	112	176	223	436	136	270	36	8	1417
Total Direct Labor Cost ($)		$1,111	$5,209	$6,628	$6,915	$11,358	$2,946	$4,910	$518	$84	$39,679

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

URS Greiner Consultants, Inc.
Poultney Street Design
Work Assignment D003825-62

Date Prepared: 08/10/04

Schedule 2.11(b-1)

Direct Administrative Labor Hours Budgeted

Labor Classification	*IX*	*VIII*	*VII*	*VI*	*V*	*IV*	*III*	*II*	*I*	*Admin*	*Total No. of Direct Labor Hrs.*
Task 1 Remedial Design Work Plan			8								8
Task 2.1 RDI			8							8	16
Task 2.2 35% Design			8								8
Task 3 65% Design			8					8			16
Task 4 Final Design			8					8			16
Total Hours			40					16		8	64

Contract/Project administrative hours would include but not necessarily be limited to the following activities

1) Work Plan Development
- Conflict of Interest Check
- Develop budget schedules and supporting documentation

2) Review Work Assignment (WA) Progress
- Conduct progress reviews
- Prepare monthly project report
- Update WA progress schedule
- Prepare monthly M/MBE Utilization Report

4) CAP Preparation
- Oversee and prepare monthly CAP
- Respond to payment issues/disallowances
- NSPE list updates
- Equipment Inventory

5) Manage subcontracts

6) Implement and manage program management and staffing plans

Contract/Project administrative hour would not include activities such as:

1) QA/QC reviews
2) Technical oversight by management
3) Develop subcontracts
4)Work Plan Development (other than COI and budget preparation)

URS Greiner Consultants, Inc.
Poultney Street Design
Work Assignment D003825-62

SCHEDULE 2.11(c)

Direct Non-Salary Costs
Work Assignment D003825-62

Item	Max Reimbursement Rate (Specify Unit)		Est. No. of Units	Total Estimated Cost $
A) SAMPLE ANALYSIS RATE				
NONE				
B) MISCELLANEOUS				
MILEAGE	$0.38	/mile	1875	$703.13
CAR RENTAL -DAY	$65.00	/day		
PER DIEM HOTEL	$55.00	/diem	10	$550.00
PER DIEM MEALS	$31.00	/diem	10	$310.00
CAR RENTAL - WEEK	$408.00	/week		
GAS	$25.00	/each		
TOLLS	$10.00	/each	2	$20.00
Total Travel Costs				$1,583.13

Schedule 2.11(d) 2

Maximum Reimbursement Rates For Consultant Owned Equipment

Item	Purchase Price x 85%	Usage Rate ($/Day)	Capital Recovery** Rate ($/Day)	O & M Rate ($/Unit of Time)	Est. Usage Days	Est. Usage Cost ($) (Col. 3 x 6)
PID		$42.00		$42.00	4	$168.00
Total Station		$18.00		$18.00	2	$36.00

TOTAL: $204.00

* Usage Rate = Capital Recovery Rate + O&M Rate.
* The maximum usage rate for an item of equipment reverts to the O&M rate when the total capital recovery reimbursement rate exceed 85% of the purchase price.
** The Capital Recovery Rate is the equipment's depreciation for the useful life of the item.

Schedule 2.11(d) 5

Consumable Supplies

Item	Estimated Quantity	Units	Unit Costs ($)	Total Budgeted Cost (Col. 2 x 3) ($)
Supplies	4		$100.00	$400
Shipping	12		$80.00	$960
Low Value Equipment	80		$0.80	$64
Authorized Communication	1		$25.00	$25
			TOTAL:	$1,449.00

Schedule 2.11(f) (# of #)

Unit Price Subcontracts
Work Assignment D003825-62

A. Name of Contractor	Services to be Performed	Subcontract Price	Management Fee
SJB Services	Geotechnical boring	$4,715	

Item	Max. Reimbursement Rate (Specify Unit)	Est. No. Of Units	Total Est. Cost
Mobilization/demobilization	$1,300.00 /LS	1	$1,300
4 1/4" Hollow Stem Augers	$13.00 /lf	140	$1,820
2" OD Split Spoon Sampling	$4.00 /ea	30	$120
Shelby Tube Sampling	$50.00 /sample	6	$300
Decon Pad	$300.00 /LS	1	$300
Decon Time	$140.00 /hr	4	$560
55 gallon Drums	$45.00 /ea	5	$225
Steam Cleaner Rental	$30.00 /day	3	$90

Subtotal Subcontract Price	$4,715
Subcontract Management Fee	
TOTAL	$4,715

B. Name of Contractor	Services to be Performed	Subcontract Price	Management Fee
GZA Geoenvironmental	Geotechnical Analyses	$2,320	

Item	Max. Reimbursement Rate (Specify Unit)	Est. No. Of Units	Total Est. Cost
Moisture Content (ASTM D2216)	$5.00 /test	30	$150
Atterberg Limits (ASTM D4318)	$50.00 /test	15	$750
Grain Size/Hydrometer (D422)	$65.00 /test	4	$260
Permeability tests (ASTM 5084)	$200.00 /test	4	$800
Unconfined compression (D2166)	$90.00 /test	4	$360

Subtotal Subcontract Price	$2,320
Subcontract Management Fee	
TOTAL	$2,320

Schedule 2.11(f) (# of #)

Unit Price Subcontracts
Work Assignment D003825-62

C. Name of Contractor	Services to be Performed	Subcontract Price	Management Fee
Queen City Imaging	Copying/Publication	$3,900	

Item	Max. Reimbursement Rate (Specify Unit)	Est. No. Of Units	Total Est. Cost
Copies/Binding	$100.00 /UNIT	39	$3,900

Subtotal Subcontract Price	$3,900
Subcontract Management Fee	
TOTAL	$3,900

D. Name of Contractor	Services to be Performed	Subcontract Price	Management Fee

Item	Max. Reimbursement Rate (Specify Unit)	Est. No. Of Units	Total Est. Cost

Subtotal Subcontract Price	
Subcontract Management Fee	
TOTAL	

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

URS Greiner Consultants, Inc.
Contract D003825-62
Poultney Street Design
Work Assignment D003825-62
All Tasks
Complete %

Date Prepared 08/10/04
Billing Period
Invoice No.

Expenditure Category Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approval Budget*	*H* *Estimated Over/Under (G-F)*
1. Direct Salary Costs							$39,679	$39,679
2. Indirect Costs (1.21%)							$48,011	$48,011
3. Subtotal Direct Salary Costs and Indirect Costs							$87,690	$87,690
4. Travel							$1,583	$1,583
5. Other Non-Salary Costs							$1,653	$1,653
6. Subtotal Direct Non-Salary Costs							$3,236	$3,236
7. Subcontractors							$10,935	$10,935
8. Total WA Cost							$101,861	$101,861
9. Fixed Fee							$8,769	$8,769
10. Total Work Price							$110,630	$110,630

Project Manager (Engineer) _____

DATE: _____

URS Greiner Consultants, Inc.
Contract D003825-62
Poultney Street Design
Work Assignment D003825-62
All Tasks
Complete %

Date Prepared 08/10/04
Billing Period
Invoice No.

Schedule 2.11(g) - Supplemental

Cost Control Report for Subcontract

Subcontract Name	A Subcontract Cost Claimed this Application Incl. Resubmittals	B Subcontract Costs Approved For Payment on Previous Applications	C Total Subcontract Costs to Date (A plus B)	D Subcontract Approved Budget	E Management Fee Budget	F Management Fee Paid	G Total Cost to Date (C plus F)
1 SJB Services				$4,715			
2 GZA Geoenvironmental				$2,320			
3 Queen City Imaging				$3,900			
4							
TOTALS				$10,935			

Project Manager (Engineer) _____ DATE: _____

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

URS Greiner Consultants, Inc.
Contract D003825-62
Poultney Street Design
Work Assignment D003825-62
Task 1 Remedial Design Work Plan
Complete %

Page_# of _##
Date Prepared 08/10/04
Billing Period
Invoice No.

Expenditure Category Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approval Budget*	*H* *Estimated Over/Under (G-F)*
1. Direct Salary Costs							*$4,993*	*$4,993*
2. Indirect Costs (1.21%)							*$6,041*	*$6,041*
3. Subtotal Direct Salary Costs and Indirect Costs							*$11,034*	*$11,034*
4. Travel								
5. Other Non-Salary Costs							*$80*	*$80*
6. Subtotal Direct Non-Salary Costs							*$80*	*$80*
7. Subcontractors							*$100*	*$100*
8. Total WA Cost							*$11,214*	*$11,214*
9. Fixed Fee							*$1,103*	*$1,103*
10. Total Work Price							*$12,317*	*$12,317*

Project Manager (Engineer) _____ *DATE:* _____

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

URS Greiner Consultants, Inc.
Contract D003825-62
Poultney Street Design
Work Assignment D003825-62
Task 2.1 RDI
Complete %

Page_# of _##
Date Prepared 08/10/04
Billing Period
Invoice No.

Expenditure Category Category	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*
	Costs Claimed This Period	*Paid to Date*	*Total Disallowed to Date*	*Total Costs Incurred to Date (A+B+C)*	*Estimated Costs to Completion*	*Estimated Total Work Assignment Price (A+B+E)*	*Approval Budget*	*Estimated Over/Under (G-F)*
1. Direct Salary Costs							*$2,382*	*$2,382*
2. Indirect Costs (1.21%)							*$2,882*	*$2,882*
3. Subtotal Direct Salary Costs and Indirect Costs							*$5,264*	*$5,264*
4. Travel							*$1,583*	*$1,583*
5. Other Non-Salary Costs							*$653*	*$653*
6. Subtotal Direct Non-Salary Costs							*$2,236*	*$2,236*
7. Subcontractors							*$7,235*	*$7,235*
8. Total WA Cost							*$14,735*	*$14,735*
9. Fixed Fee							*$526*	*$526*
10. Total Work Price							*$15,262*	*$15,262*

Project Manager (Engineer) _____ *DATE:* _____

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

URS Greiner Consultants, Inc.
Contract D003825-62
Poultney Street Design
Work Assignment D003825-62
Task 2.2 35% Design
Complete %

Page_# of _##
Date Prepared 08/10/04
Billing Period
Invoice No.

Expenditure Category Category	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*
	Costs Claimed This Period	*Paid to Date*	*Total Disallowed to Date*	*Total Costs Incurred to Date (A+B+C)*	*Estimated Costs to Completion*	*Estimated Total Work Assignment Price (A+B+E)*	*Approval Budget*	*Estimated Over/Under (G-F)*
1. Direct Salary Costs							*$8,139*	*$8,139*
2. Indirect Costs (1.21%)							*$9,848*	*$9,848*
3. Subtotal Direct Salary Costs and Indirect Costs							*$17,987*	*$17,987*
4. Travel								
5. Other Non-Salary Costs							*$260*	*$260*
6. Subtotal Direct Non-Salary Costs							*$260*	*$260*
7. Subcontractors							*$200*	*$200*
8. Total WA Cost							*$18,447*	*$18,447*
9. Fixed Fee							*$1,799*	*$1,799*
10. Total Work Price							*$20,246*	*$20,246*

Project Manager (Engineer) _____ *DATE:* _____

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

URS Greiner Consultants, Inc.
Contract D003825-62
Poultney Street Design
Work Assignment D003825-62
Task 3 65% Design
Complete %

Page_# of _##
Date Prepared 08/10/04
Billing Period
Invoice No.

Expenditure Category Category	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*
	Costs Claimed This Period	*Paid to Date*	*Total Disallowed to Date*	*Total Costs Incurred to Date (A+B+C)*	*Estimated Costs to Completion*	*Estimated Total Work Assignment Price (A+B+E)*	*Approval Budget*	*Estimated Over/Under (G-F)*
1. Direct Salary Costs							*$13,521*	*$13,521*
2. Indirect Costs (1.21%)							*$16,360*	*$16,360*
3. Subtotal Direct Salary Costs and Indirect Costs							*$29,881*	*$29,881*
4. Travel								
5. Other Non-Salary Costs							*$180*	*$180*
6. Subtotal Direct Non-Salary Costs							*$180*	*$180*
7. Subcontractors							*$100*	*$100*
8. Total WA Cost							*$30,161*	*$30,161*
9. Fixed Fee							*$2,988*	*$2,988*
10. Total Work Price							*$33,149*	*$33,149*

Project Manager (Engineer) _____ *DATE:* _____

Schedule 2.11(g)

Monthly Cost Control Report
Summary of Fiscal Information

URS Greiner Consultants, Inc.
Contract D003825-62
Poultney Street Design
Work Assignment D003825-62
Task 4 Final Design
Complete %

Page_# of _##
Date Prepared 08/10/04
Billing Period
Invoice No.

Expenditure Category Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approval Budget*	*H* *Estimated Over/Under (G-F)*
1. Direct Salary Costs							*$10,644*	*$10,644*
2. Indirect Costs (1.21%)							*$12,879*	*$12,879*
3. Subtotal Direct Salary Costs and Indirect Costs							*$23,524*	*$23,524*
4. Travel								
5. Other Non-Salary Costs							*$480*	*$480*
6. Subtotal Direct Non-Salary Costs							*$480*	*$480*
7. Subcontractors							*$3,300*	*$3,300*
8. Total WA Cost							*$27,304*	*$27,304*
9. Fixed Fee							*$2,352*	*$2,352*
10. Total Work Price							*$29,656*	*$29,656*

Project Manager (Engineer) _____ *DATE:* _____

APPENDIX B

M/WBE UTILIZATION PLAN

TABLE III
CONSULTANT/CONTRACTOR DETAILED MBE/WBE AND EEO UTILIZATION PLAN
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONSULTANT/CONTRACTOR NAME:	URS Corporation				
CONTRACT TYPE/NUMBER:	D003825	62	CONTRACT AWARD DATE:	6/1/2004	
ADDRESS: 640 Ellicott St.	CITY: Buffalo		STATE: NY	ZIP CODE:	14203
PROJECT OWNER NAME:	New York State Department of Enviornmental Conservation		PROJECT/GRANT No.:		
ADDRESS: 625 Broadway	CITY: Albany		STATE: NY	ZIP CODE:	12233
AUTHORIZED REPRESENTATIVE:	Jon Sundquist		TITLE:	Project Manager	
AUTHORIZED SIGNATURE:					
CONTRACT DESCRIPTION:	Poultney Street Design				

EEO AND MBE/WBE CONTRACT SUMMARY

	%	AMOUNT		%	AMOUNT
1. TOTAL DOLLAR VALUE OF THE PRIME CONTRACT	100%	$110,629.68			
2. STATE SHARE AMOUNT	100%	$110,629.68			
3. MBE GOAL/AMOUNT	15%	$16,594.45	6. BUDGETED MBE	0.00%	$0.00
4. WBE GOAL/AMOUNT	5%	$5,531.48	7. BUDGETED WBE	3.53%	$3,900.00
5. MBE/WBE COMBINED TOTALS	20%	$22,125.94	8. MBE/WBE COMBINED TOTALS	3.53%	$3,900.00

BUREAU OF MINORITY & WOMEN'S BUSINESS PROGRAMS USE ONLY

PROPOSED GOALS		DATE APPROVED	DATE DISAPPROVED	INITIALS
MBE(%)	EEO-MINORITIES (%)			
WBE(%)	EEO-MINORITIES (%)			

SECTION I - MBE INFORMATION: IN ORDER TO ACIEVE THE MBE GOALS, NEW YORK STATE CERTIFIED MINORITY-OWNED FIRMS ARE EXPECTED TO PARTICIPATE IN THE FOLLOWING MANNER

MBE FIRM INFORMATION	DESCRIPTION OF WORK MBE	PROJECTED MBE CONTRACT AMOUNT AND AWARD DATE	CONTRACT SCHEDULE AND START DATE	CONTRACT PAYMENT SCHEDULE	PROJECT COMPLETION DATE
NAME: ADDRESS: CITY: STATE/ZIP CODE: TELEPHONE No.:		DATE:			
NAME: ADDRESS: CITY: STATE/ZIP CODE: TELEPHONE No.:		DATE:			
NAME: ADDRESS: CITY: STATE/ZIP CODE: TELEPHONE No.:		DATE:			
NAME: ADDRESS: CITY: STATE/ZIP CODE: TELEPHONE No.:		DATE:			

SECTION II - WBE INFORMATION: IN ORDER TO ACHIEVE THE MBE GOALS, NEW YORK STATE CERTIFIED WOMAN-OWNED FIRMS ARE EXPECTED TO PARTICIPATE IN THE FOLLOWING MANNER.

WBE FIRM INFORMATION	DESCRIPTION OF WORK WBE	PROJECTED WBE CONTRACT AMOUNT AND AWARD DATE	CONTRACT SCHEDULE AND START DATE	CONTRACT PAYMENT SCHEDULE	PROJECT COMPLETION DATE
NAME: Queen City Imaging ADDRESS: CITY: STATE/ZIP CODE: TELEPHONE No.:	Copying	$3,900.00 DATE: Apr-04			
NAME: ADDRESS: CITY: STATE/ZIP CODE: TELEPHONE No.:		DATE:			
NAME: ADDRESS: CITY: STATE/ZIP CODE: TELEPHONE No.:		DATE:			
NAME: ADDRESS: CITY: STATE/ZIP CODE: TELEPHONE No.:		DATE:			

APPENDIX C

HEALTH AND SAFETY PLAN ADDENDUM

HEALTH AND SAFETY PLAN ADDENDUM

Site: Remedial Investigation/Feasibility Study
Poultney Street Site
Whitehall, NY
NYSDEC Work Assignment Number D003825-32
URS Project No. 11173630

During the 2004 continuing fieldwork by URS employees at this site, all instructions, procedures and limitations, as presented in the August 2001 HASP prepared by URS Corporation Buffalo, will remain in effect.

Appropriate corrections, where necessary, must be made to personnel lists, emergency contact names and numbers, and other contact information before field work commences. This information must be inserted into the plan as a permanent record.

This addendum presumes that chemical and physical hazard information, as contained in the original HASP, remains accurate. Any deviation from those conditions will require a review of PPE, action levels, and other personnel safety requirements by URS Health and Safety.

URS Corporation-New York

Steven Jay Sherman, CIH
Regional Manager of Health and Safety

DISTRIBUTION:
Original: Bound into HASP document
cc: Project Manager