

SCOPE OF WORK
GEOPHYSICAL SURVEY SERVICES
AT NORTH FRANKLIN STREET SITE
VILLAGE OF WATKINS GLEN, SCHUYLER COUNTY, NEW YORK
SITE ID #8-49-002
NYSDEC WORK ASSIGNMENT D004433-16

1.0 INTRODUCTION

This Scope of Work is for geophysical services to be performed as part of URS Corporation's contract with the New York State Department of Environmental Conservation (NYSDEC). The work will support a Site Investigation at the North Franklin Street site, which is located in the Village of Watkins Glen, Schuyler County, New York (Figure 1). The purpose is to identify the presence of possible underground storage tanks (USTs) at two former filling stations and the presence of any anomalies in the vicinity of soil-gas conduit location SG-03. The Contractor will provide the services outlined below.

1.1 Site Description

The North Franklin Street inactive hazardous waste disposal site is an approximately 0.3 acre parcel of land situated in the Village of Watkins Glen, Schuyler County. The site is located in an urban area approximately 400 feet south of Seneca Lake (Figure1). Two (2) structures formerly existed on site. The building referred to as the "Former Auto Museum" was a single-story metal building on a concrete slab. The second structure was referred to as the "Former Dry Cleaning Building." This was a two-story brick building that also included two (2) unoccupied single-story brick sheds to the east and the "VFW Building attached to the south." The former dry cleaning building and former auto museum were vacant and were demolished during June of 2006 under the Brownfield Cleanup Program. The cleanup is necessary to address groundwater beneath the site that has been contaminated with dry cleaning chemicals known as volatile organic compounds (VOCs), primarily tetrachloroethene (perchloroethene or PCE).

2.0 SCOPE OF WORK

This contract is for geophysical services. The Contractor will be a subcontractor to URS. All work is to be performed in accordance with applicable NYSDEC guidance and regulatory documents. The Contractor will provide the services outlined below.

The geophysical surveys will be performed at the three locations shown on Figure 2. The purpose of these surveys will be to identify the presence of potential underground storage tanks (UST) located at the former filling stations and any large anomalies in the vicinity of SG-03. Since this site is situated in an urban setting and consists of concrete pavement, it is anticipated that the surveys will require both ground penetrating radar (GPR) and electromagnetic conductivity (EMC) methods. The Contractor shall also take into account all potential interference sources, including, but not limited to power lines, traffic signals, etc. The scope of services consists of completing the appropriate geophysical survey in the field, reducing data, and preparing a final report that summarizes the findings of the survey.

A reference grid will be established throughout the survey area prior to the acquisition of the geophysical data. Spray paint marks or pin flags will be placed at regular intervals along the survey lines. The initial traverse spacing will be at 10-foot intervals within the vicinity of the former filling stations and the SG-03 location. However, closer spacing may be required to pinpoint the exact location of any UST or building remnants. All USTs and other anomalies shall be marked and identified as soon as they are located by spray-painting the outline. A URS Geologist will supervise and assist the Contractor.

3.0 PROJECT SCHEDULE

Upon receipt of authorization to proceed by its client, URS will notify the Contractor to proceed. The Contractor is expected to mobilize all necessary equipment and personnel to the site required to complete the geophysical survey within three calendar days following receipt of the URS work order to perform the survey. The fieldwork is expected to begin on July 24, 2006. In the event of rain, the survey shall be performed the following day. The on site geophysical survey is anticipated to take two days. A map of the survey depicting subsurface features shall be

provided within 48 hours of the site work. The final report shall be due within 7 calendar days of completion of the on site survey.

4.0 COST

The cost for this work will be based on a lump sum rate. This will be based on the Contractor's cost proposal for performance of the required on site work, assuming two 8-hour days on site using Level D personal protective equipment, and the submittal of a report to URS. Additional work requested by URS will require written approval by the URS Project Manager before such work is performed.

5.0 SPECIFIC RESPONSIBILITIES

The following specific responsibilities will be assumed by URS.

- a.** URS will provide an onsite representative to monitor Contractor's work.

The following responsibilities shall be assumed by the Contractor:

- a.** It is the Contractor's responsibility to complete all work to the satisfaction of the URS site representative. Work so performed will form the basis for compensation.
- b.** Reduce the data collected during the geophysical survey and prepare a report with drawing(s) that summarizes the presence of any subsurface features and shows their location. The report and drawings should be submitted to URS in both hardcopy and electronic forms.
- c.** Submit the final report within 7 calendar days of completion of the on site survey work.

6.0 HEALTH AND SAFETY

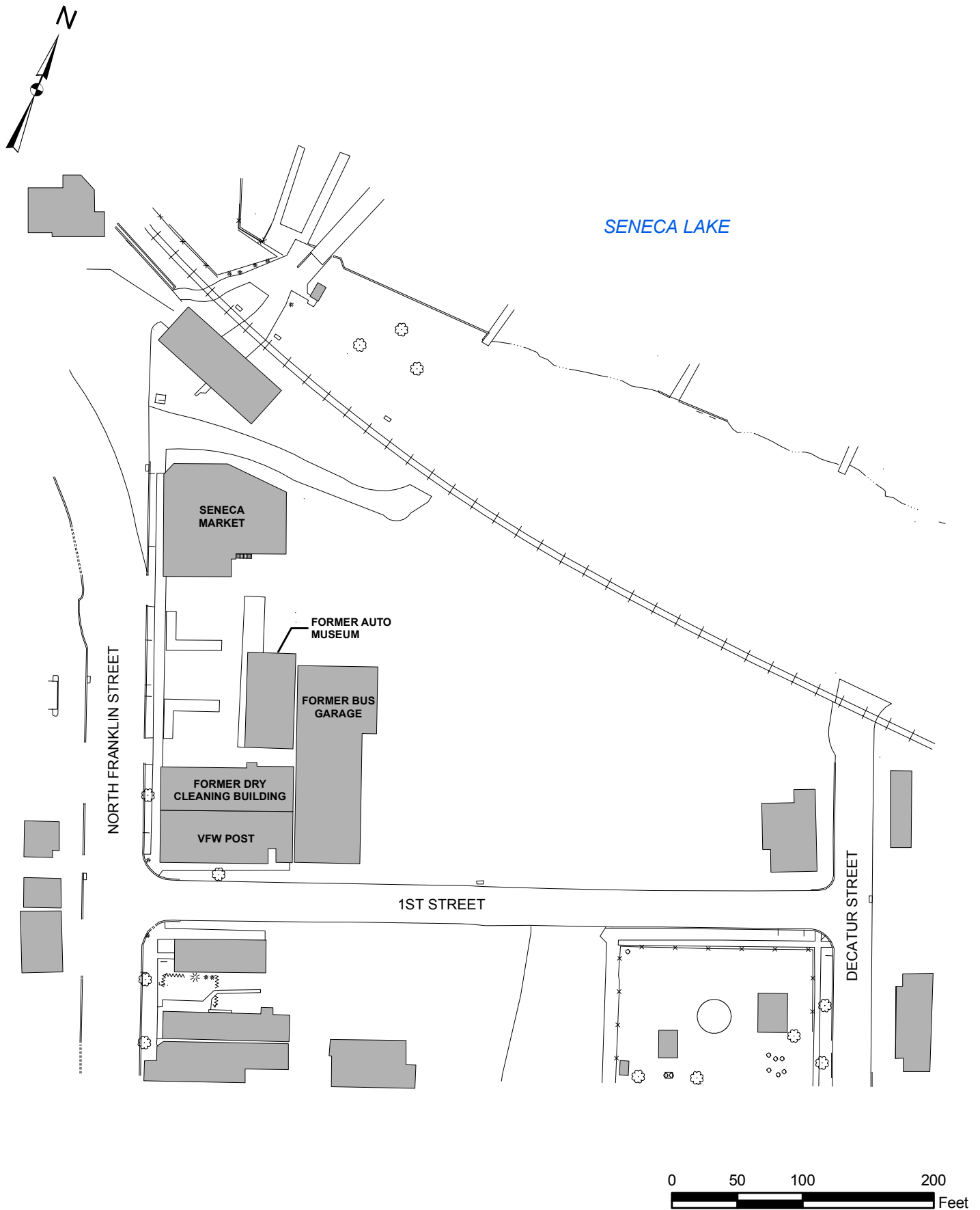
The work to be performed under this Scope of Work will occur in an area where the presence or absence of contamination has not been determined. It is anticipated that all work will be conducted two 8-hour days in USEPA Level “D” personal protective equipment (PPE). The Contractor shall provide safety equipment necessary for its own employees.

The Contractor shall, at a minimum, satisfy all applicable federal, state, and local statutes, regulations and ordinances regarding health and safety. Beyond this minimum requirement, the Contractor shall develop and submit to URS for review a health and safety plan specific to this Scope of Work before start of work. As an alternative, the Contractor has the option of adopting in writing the URS Health and Safety Plan for the site.

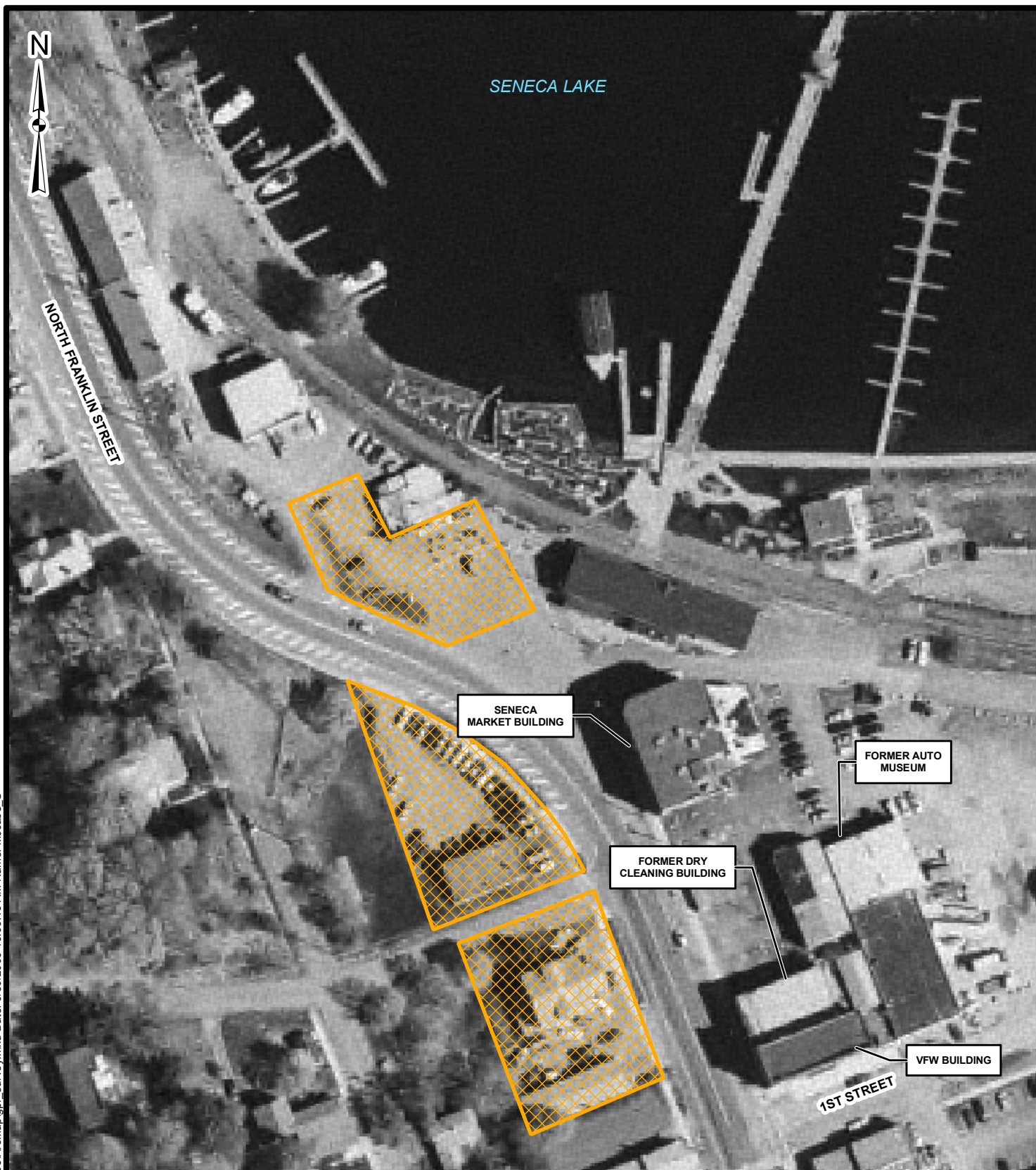
All personnel onsite must be appropriately trained to comply with the OSHA regulations found in 29 CFR 1910.120(e) and are required to bring copies of all certificates with them on the first day of field activities. All onsite personnel must participate in a medical surveillance program to comply with 29 CFR 1910.120(f) and are required to bring copies of certificates indicating their ability to participate in hazardous waste site work with them on the first day of field activities. All copies of certificates must be submitted to the URS Site Health and Safety Officer.

7.0 CONFIDENTIALITY


It is important that all information produced by the activities of the Contractor, and all information be treated, developed, or compiled in connection with this project must be kept confidential. All information developed by, or on behalf of Contractor in connection with this subcontract, shall be the sole and exclusive property of URS/NYSDEC and must be promptly turned over to URS at the completion of work. Data, reports, memoranda, and correspondence developed or compiled in connection with this project must be kept confidential.

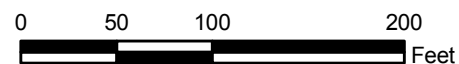


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Legend

 Proposed Area of Geophysical Survey



NORTH FRANKLIN STREET
PROPOSED GEOPHYSICAL SURVEY LOCATIONS

FIGURE 2

TABLE 1
UNIT PRICE SCHEDULE
GEOPHYSICAL SURVEY AND REPORT
AT
BRONXCHESTER URA SITE
SOUTH BRONX, NEW YORK

UNIT PRICE SHEET

Item	Description	Unit	Total Cost
2	Geophysical Survey <i>(based on one 8-hour day in field and report)</i>	Lump Sum	

Costs shall include all travel, per diem (if needed), materials, equipment, and supplies necessary to complete the fieldwork and report.

Please provide hourly rates for additional time in the field for data collection. \$ _____ per hour.

Company Name _____

Authorizing Signature _____

Print Name and Title _____

Date _____

DECLINE TO BID RESPONSE

Should you decide not to bid on this request for quotation, please fill in the appropriate sections and fax your response as soon as possible.

URS FAX NUMBER: (716) 856-2545

TO: URS Corporation-New York
77 Goodell Street
Buffalo, New York 14203
Attn: Ronald Niziol

From:

Subconsultant Name

Signature

Name and Title

Date

Reason for non-responsiveness (Please check one)

_____ Scheduling conflict.

_____ Do not do this type of work.

_____ Other (please explain).

