



Memorandum

Date: August 4, 2008

To: Mr. Randolph Leptien, Contract City Engineer

From: Samuel Gambino, G.E.
Seth Gentzler, P.E.

Subject: **Neilson Street Geotechnical Services during construction, efn 33.38
Scope Comparison of Phase 3 Contract Amendment vs. Phase 4 Proposal**

This memorandum is being provided to the City of Albany at your request to confirm that there is no duplication of services between the existing Phase 3 Contract Amendment and our current Phase 4 Proposal. In general, the Phase 3 Amendment was intended to cover the submittal review process and URS' response to Contractor Requests for Information (RFIs), whereas the Phase 4 Proposal is intended to cover our earthwork inspector's time on site during construction. Although both scopes include effort for meetings and site visits, the purpose of those meetings and site visits were to cover independent work items and do not result in scope overlap.

Details in the form of specific scope items are provided below.

Scope items from our Phase 3 Contract Amendment

Task 3 (Meetings and Construction Review Services) from our Phase 3 Contract Amendment included:

- Attendance at the pre-bid and pre-construction meetings and periodic construction progress meetings (to be determined based on project needs).
- Response to bid questions and construction review services to verify compliance with the Plans and Specifications during construction (including submittals).
- Project management for the overall construction period, including meetings at the City, budget tracking, invoicing, and coordination.
- URS response to Contractor questions during the bid process. It is assumed that this would require 2 hours or less per week of effort.
- Site visits were to be limited to one visit per month during standard construction periods, and two visits per month during critical construction periods.

Scope items from our Phase 4 Proposal:

Tasks 1 and 3 from our Phase 4 Proposal (Geotechnical Observation/Inspection, and Engineering Review/Reporting, respectively) are primarily concerned with on-site observation and testing by our Senior Technician:

- Observation during excavation and installation of shoring to observe that the work is in compliance with the plans and specifications.
- Observation and compaction testing during removal or abandonment of shoring and placement of backfill in the microtunneling shafts.
- Observation of backfilling of miscellaneous excavations including the gas line relocation, the sewer bursting and associated receiving pits, and lateral storm drains.

- Preparation of a summary report documenting the results of the field moisture-density testing during construction.
- Attending up to one meeting at the project site to provide consultation during construction
- Providing oversight and supervision for our field personnel and coordination with the City's Construction Manager and the City Public Works Inspector.

URS will provide these services on a time-and-materials basis for the not-to-exceed amounts documented in our previous written correspondence. The progress of the work will be subject to scheduling and/or coordination with the Contractor and utility companies, and the actual cost of our services may vary based upon a number of other factors that are beyond our control.