

**CITY OF NEWPORT**

**TASK ORDER NO. 8  
TO ENGINEERING SERVICES AGREEMENT  
FOR GEOTECHNICAL ENGINEERING SERVICES  
PROJECT: BAY MOORE DRAINAGE IMPROVEMENTS**

This TASK ORDER NO. 8 to the Engineering Services Agreement dated Aug. 29, 2011, hereinafter called Agreement, between the City of Newport, (CITY), and Foundation Engineering, Inc., (ENGINEER).

**A. SCOPE OF SERVICES**

CITY agrees to utilize the services of ENGINEER and ENGINEER agrees to perform geotechnical engineering services as defined within the scope of work.

This PROJECT will include the following:

1. (refer to attached FEI Proposal 161050 dated March 29, 2016).

**B. CITY'S RESPONSIBILITIES**

CITY to provide ENGINEER with the following information:

1. CITY shall assign appropriate reviewers to the project and compile and provide a single consolidated, coordinated, legible, and internally consistent copy of written review comments to Consultant for all draft documents and work products, as appropriate.
2. CITY shall provide timely review of submitted products (2-week turnaround), as appropriate.

**C. COMPENSATION**

1. CITY shall pay ENGINEER according to the fee schedule set forth in Exhibit A to the Engineering Services Agreement.
2. Services provided under this Task Order shall not exceed eight thousand five hundred and five dollars (\$8,505.00).

**D. MISCELLANEOUS**

All terms and conditions of the Engineering Services Agreement apply to this Task Order as though fully set forth therein. In the event of a conflict between this Task Order and the Engineering Services Agreement, the terms of this Task Order shall apply.

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11/15/16

The parties do mutually agree to all mutual covenants and agreements contained within this Task Order No. 8.

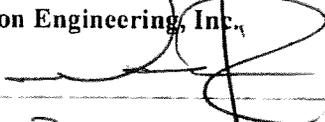
**CITY OF NEWPORT:**

By: 

Title: City Manager

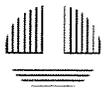
Date: 4-4-16

**Foundation Engineering, Inc.**

By: 

Title: President

Date: 3/31/16



**Date:** March 29, 2016  
**To:** Jayson Buchholz, P.E.  
Senior Project Manager  
City of Newport  
**From:** Dave Running, P.E., G.E.  
Senior Engineer  
**Subject:** Proposal for Geotechnical Services  
**Proposal:** SE 4<sup>th</sup> Street Manhole  
Proposal 161050

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Please consider this memorandum as our proposal to provide the requested geotechnical investigation for the above-referenced project. Details of our proposed scope of work, estimated costs and schedule are summarized below.

#### **BACKGROUND**

The City of Newport plans to construct a 36-foot deep manhole in Newport, Oregon. The manhole will be located on SE 4<sup>th</sup> Street, between SE Fogarty Street and SE Harney Street.

The City of Newport is the project owner and Civil West Engineering Services, Inc. (Civil West) is the civil designer. Civil West requested Foundation Engineering, Inc. provide a proposal to complete a limited geotechnical investigation for the project. Our work will be limited to drilling one boring at the site to provide subsurface information for contractors bidding on the project.

#### **PROPOSED SCOPE OF WORK**

##### **Subsurface Investigation**

We propose to drill one boring near the proposed manhole location using a truck-mounted drill rig. The boring will extend to a depth of  $\pm 45$  feet. We anticipate sampling the soil at 5-foot intervals. Disturbed soils samples will be taken using a split-spoon sampler in conjunction with the Standard Penetration Test (SPT). Relatively undisturbed samples may also be obtained at selected depths using thin-walled Shelby tubes, if fine-grained soils are encountered. All samples will be retained for possible laboratory testing.

Upon completion of the drilling, the drill cuttings will be drummed and hauled off site. The borehole will be flushed and a 1-inch diameter, PVC standpipe piezometer will be installed in the boring to allow ground water levels to be measured. The top of the piezometer will be protected by a flush-mounted monument. After the piezometer is installed, we will bail the stand pipe and take an initial water level reading. We have assumed subsequent piezometer readings will be performed by others.

We understand a Right of Way permit will be required, but there will be no permit fees. SE 4<sup>th</sup> Street is a low-volume residential street. The drilling will be completed in the parking strip on the north side of the street, allowing traffic to pass by. Therefore, we have assumed traffic control will be limited to signs and cones and no flaggers are required. We have assumed the City will provide the access for the exploration by blocking off curbside parking at the borehole location the day of the exploration.

### Laboratory Testing

The laboratory testing will be limited to index tests (e.g., natural water contents, percent fines and Atterberg limits) on selected samples. The test results will be used to help classify the soils and estimate their overall engineering properties.

### Engineering Analysis and Report

We will summarize the geotechnical data in a brief technical memorandum. The memorandum will include a description of our work, a summary of the subsurface conditions, the laboratory test results and the boring log. We will provide a brief discussion of the feasibility of open trenching versus other excavation options for the manhole and associated piping. However, we assume any analysis and design required for the manhole will be performed by others.

### ESTIMATED COSTS

Table 1 provides a breakdown in the estimated costs for the proposed scope of work. These costs are based on our normal hourly rates shown on the attached rates sheet.

**Table 1. Estimated Costs**

Item	Estimated Costs
Field exploration	\$2,110
Laboratory testing	\$240
Memorandum preparation	\$2,060
Reimbursable expenses	\$70
Foundation Engineering subtotal	\$4,480
Drilling subcontractor	\$4,025
<b>TOTAL</b>	<b>\$8,505</b>

This total represents our best estimate of the project costs. We will notify you immediately following the field work in the event we encounter unanticipated soil conditions that would require modifying our proposed scope of work.

## SCHEDULE

We have scheduled the drilling for Tuesday, April 5, 2016. We expect the field exploration can be completed within 1 day. An additional week will be required for the laboratory testing and preparation of the boring log and technical memorandum. We will provide interim information to the City and Civil West as it becomes available following our field explorations.

We appreciate the opportunity to submit this proposal and look forward to working with you on this project. Please do not hesitate to call if you have any questions regarding the proposed scope of work, estimated costs, or schedule.

Figure 1



Google earth

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