



DONALD G. BOHNING & ASSOCIATES, INC.
CIVIL ENGINEERING & SURVEYING
7979 HUB PARKWAY • VALLEY VIEW, OHIO 44125 • (216) 642-1130
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Revised May 8, 2013
April 19, 2013

City of Parma
6611 Ridge Road
Parma, Ohio 44129

ATTENTION: Paul W. Deichmann, P.E.
City Engineer & Building Commissioner

**RE: 2207-2213 Augustine Drive Storm Sewer Outfall Repair Project
Scope of Work & Engineering Service Proposal**

Dear Mr. Deichmann:

At the request of the City of Parma, please accept the following Scope of Work and Engineering Service Proposal for the 2207-2213 Augustine Drive Storm Sewer Outfall Repair Project.

The scope of work which the design solution for this project is based is to repair the storm sewer by extending the storm sewer to the base of the ravine via a series of drop manholes. Due to the steeper slope sections, access easements adjacent the work area will be required in addition to permanent easements.

We would anticipate the construction cost for this project to be in the range of \$150,000-\$200,000.

Task 1: Preliminary Investigation and Design

- Prepare and supply Parma letters informing all abutting residents and Cleveland Metroparks of the proposed project and upcoming investigations. Parma to approve and forward letters on Parma letterhead.
- Contact the Ohio Utilities Protection Service to obtain private utility records.
- Pull available record plat and deed information from the Cuyahoga County Recorder's Office
- DGB & Assoc. survey crews will access the sites to:
 - Establish Centerline and Right-of-way
 - Field collect ground characteristics of failure area, access easement, right-of-way (construction staging) area.
 - Set temporary bench marks for use during construction
 - Locate existing utilities as depicted on utility plans and visually apparent.
- CTL Engineering Inc. will be dispatched to conduct one (1) subsurface exploratory boring to classify the subsurface conditions. CTL proposal attached.
- Develop base mapping and preliminary alignments of the repair alternative.

EXHIBIT "A"



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- Submit preliminary alignments to Private Utility Companies with a request to relocate their facilities accordingly. All further communication with respective utility owner to relocate their facility is the responsibility of the City of Parma.
- Provide Parma design concept for their review and authorization to develop Final Engineering Plans and Documents.

Task 2: Easement and Right of Entry Acquisition

- Upon preliminary alignment approval by the City, prepare legal descriptions and exhibits as required for use in obtaining permanent easements and/or prepare temporary rights of access documents for staging and access areas. All ownership information being based on available records at the Cuyahoga County Fiscal Officer and Recorders Office web sites.
 - If the City of Parma has standard easement language DGB & Assoc. will prepare final document based on such. Otherwise, City of Parma's Legal Department will prepare final documents utilizing legal descriptions and/or DGB & Assoc. exhibits.
- If required will attend one (1) meeting with the City of Parma and residents and Cleveland Metroparks of which easements have been requested to discuss the project and attempt to obtain easement signatures. All negotiations beyond this initial meeting and for any compensation for easements will be solely the responsibility of the City.
- All easements will be submitted to Parma for their use to have accepted by City Council and recorded with the Cuyahoga County Recorder's office.

Task 3: Final Design

- Upon Authorization by Parma, develop final construction plans and develop all specifications required to:
 - Extend sewer approximately 100' to 150' to base of ravine with the use of drop manholes and installing a new concrete headwall or end section.
- Provide a summary of bid items and a final Engineer's Estimated Cost for the construction of the project.
- Provide fifteen (15) full size sets of plans on bond paper, along with fifteen (15) copies of the detail specifications for the City's use in advertising for and bidding the project. An electronic copy of the final approved plans will also be included.
- City of Parma is responsible for all contract documents; DGB & Assoc. to perform cursory review to verify no apparent conflicts exist with design plans.

Task 4: Project Bidding

- Provide continuous engineering support during the bidding process, which will include attendance at a pre-bid meeting, prepare addendums as needed, answer questions during the bidding process and attend the public bid opening at the location directed.



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Fee Schedule

Task 1 – Preliminary Investigation and Design (Geotechnical Services \$3,465 Included)	\$ 7,869.00
Task 2 – Easement and Right of Entry Acquisition (Residents & Metroparks)	\$ 1,344.00
Task 3 – Final Design	\$ 7,872.00
Task 5 – Project Bidding	\$ 1,008.00
Contingency (10%) if required	<u>\$ 1,809.00</u>
Total Engineering Fee	\$ 19,902.00

Donald G. Bohning & Associates, Inc. shall perform the described services on a per task basis for a total fee not to exceed the total shown for each design option. Our services will be billed monthly on a percent complete basis per task. Reimbursable expenses include, but are not limited to: express mail, delivery services and prints at cost beyond what is identified in the proposal. All review fees (if any) are the responsibility of the City of Parma.

Additional services, if requested, will be performed by DGB & Assoc. per the current hourly rate schedule, 2013 rate schedule attached.

Sincerely,

DONALD G. BOHNING & ASSOCIATES, INC.

Gerald M. Wise, Vice President

AUTHORIZATION TO PROCEED

Paul W. Deichmann, P.E.

Date