



October 12, 2021:

Mrs. Tina Garver
City of Powder Springs
4484 Marietta Street
Powder Springs, GA 30127

Re: Proposal for Professional Engineering Services
Pine Bluff Pond Repair

Ms. Garver:

Croy Engineering, LLC (CROY) would like to thank you for the opportunity to provide this proposal agreement for professional services on the above referenced project.

General Scope:

We understand the project is to prepare a set of construction plans for the City to bid the work to repair and restore a retaining wall detention pond to original design intent located in the backyards of 3721, 3723 and 3725 Lockerbie Lane and coordinate with structural engineer.

A more detailed project-specific Scope of Services and our fees are attached and identified as Exhibit "A". Industry standard reimbursable expenses have not been included in the fees. Expenses may include, but are not limited to, copies, overnight delivery and postage, and courier charges.

This proposal incorporates, as if fully set forth herein, the terms and conditions of the Professional Services Agreement for Engineering Services dated February 14, 2020, between Croy Engineering, LLC and the City of Powder Springs. If this proposal is acceptable to you, please sign below indicating your approval and return (1) signed copy for our files. This letter of agreement will serve as Croy Engineering's Notice to Proceed

Again, we thank you for the request. If you have any questions, please do not hesitate to contact us. We look forward to working with you on this project.

Sincerely,
Croy Engineering, LLC

A handwritten signature in blue ink that reads "Wayne O. McGary".

Wayne O. McGary, PE, CPSWQ, CPMSM
Sr. Program Manager

Attachments

- Exhibit "A" Scope of Services

cc: Kelly Knetzger, CROY
Scott McNally, CROY
Chad Kastner, CROY
Reading File



Exhibit "A"

Pine Bluff Pond Repair Proposed Scope of Services October 12, 2021

Croy Engineering, LLC proposed scope of services is presented in the following elements:

- I. Project Description
- II. Scope of Services
- III. Project Budget
- IV. Deliverables
- V. Additional Services

I. PROJECT DESCRIPTION

The pond in need of repair is located within the Pine Bluff Subdivision as shown on the Phase 1 Final Plat prepared by The Crusselle Company dated November 24, 1994. The detention pond is within a drainage easement and located in the backyards of 3721, 3723 and 3725 Lockerbie Lane. Based on recent inspection of the pond, a portion of the pond's retaining wall has broken away from the rest of the wall at the outlet control structure thus failing to detain runoff as it was designed.

II. SCOPE OF SERVICES

Survey Services

Survey services will field locate the existing wall layout and elevations of the footing and top of wall necessary for the structural designer. They will also acquire enough data to help determine the amount of sediment that will need to be removed from the pond to facilitate the proper function as close to original design as we can determine.

Engineering Services

Base Information: We will conduct a site inspection, take photos of the current condition, and obtain measurements of the existing wall and outlet structure. We will utilize record information and GIS along with the site inspection to create the existing conditions.

Construction Documents:

Croy, along with the structural engineer, will prepare a set of construction plans for contractors to bid the project. The plans will implement the following list of repairs for restoring the design intent:

- Extent of the repair to the detention pond wall.
- Approximate accumulated sediment in the pond to be excavated.
- Replacement of outlet control structure and outlet protection based on existing conditions.
- The proposed design will include poured-in-place wall and footing sections ranging from 10' down to 4' in height. No wall profile is included in the design as we expect the wall to be placed per the original design heights. Concrete or helical piers may be required in the footing during construction, and we will make recommendations during our onsite inspections concerning any remedial work required to the subgrade.



We anticipate the set of plans to include the following drawings:

- Civil Plans set - Cover Sheet, Pond Maintenance Plan, Detail Sheet(s)
- Structural Plan Set – Structural design and detail sheets

III. PROJECT BUDGET

Survey Services	\$2 000.00
Civil Design Services	\$4,500.00
Structural Design Services	<u>\$4,500.00</u>
Project Budget:	\$11,000.00

IV. DELIVERABLES

- Civil Construction Plans
- Structural Construction Plans
- Stormwater Maintenance Agreement

V. ADDITIONAL SERVICES

Services that are not included but may be provided by Croy as an additional service include:

- Construction administration services.
- Resident project representative services.
- Asbuilt Survey Services
- Preliminary and Final plat preparation.
- Geotechnical Services and Materials Testing Services by others
- Mitigation design and permitting for stream impacts
- Construction phase revisions to unforeseen conditions.
- Construction phase revisions to the erosion control plans due to contractor requested revision, hydrologic changes, and all other site revisions.
- Construction Cost Estimating
- Preparation for litigation, arbitration, or other legal or administrative proceedings; and appearances in court or at arbitration sessions in connection with bid protests, change orders, or construction incidents.
- Landscape Architectural Services
- Technical Specifications
- Design Services
- Stormwater Management Design
- Bid Services
- Permitting Services

APPROVED: City of Powder Springs

Signed _____

Title _____

Name _____

Date _____