



June 28, 2017
File: 177310807

Attention: Mr. Brian Boyd

Brian M. Boyd, Water Engineering Specialist
Department of Water Resources
City of Greensboro
PO Box 3136, Greensboro, NC 27402-3136

Dear Mr. Boyd,

Reference: Greensboro, North Carolina

Proposal for Engineering Services for Alamance Church Road Water & Sewer Improvements

Stantec Consulting Services Inc (Stantec) is pleased to present this scope of services to the City of Greensboro for the Alamance Church Road Water and Sewer Improvements project. The scope of services detailed below reflects our understanding of the project objectives, outlines the tasks required to bring this project to the construction phase, and documents the required project deliverables and timetable.

Project Understanding

Stantec is under contract with the City to provide engineering services for the Alamance Church Road Widening project. During the road widening scoping, the existing water line was noted as aged cast iron and two sewers were identified as aged and undersized. As a result, the City of Greensboro requested these pipes be replaced in conjunction with the construction of the road widening project. The road widening project begins at Alamance Church Road at its intersection with Patton/MLK Jr Drive/JM Hunt Jr Expressway and extends approximately 8,600 linear feet eastward to the Greensboro City limit (at Neese Road). There are approximately 15 interconnections to existing water at street intersections. The length of side street interconnections is estimated at approximately 2,000 linear feet.

General Description of Basic Services

The major components of the scope of services are set forth below, and each is described in detail in the following sections:

Task 1 – Final Design Services

Task 2 – Bidding Services

Task 3 – Construction Services

Design with community in mind



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Task 4 – Additional Services

Task 1 – Final Design Services

Final design services to be provided by STANTEC are as follows:

- 1.1 Conduct a kickoff meeting with the City to discuss project scope, conceptual water main relocation alignments, sewer replacements, and any special design considerations.
- 1.2 Participate in three design coordination meetings.
- 1.3 Utilize topographic and utility field surveys provided by the City of Greensboro.
- 1.4 Prepare Final Drawings and Specifications indicating scope, extent, and character of the work to be performed and furnished by Contractor. The plans and specifications will be suitable for submittal to regulatory agencies for permitting and for receipt of construction bids.
- 1.5 Communicate with City if any surveying for easements for privately-owned lots is anticipated for the proposed water and sewer improvements. City to provide easement maps and legal descriptions.
- 1.6 Conduct a preliminary meeting and coordinate design and traffic control with Greensboro DOT for lane closures during construction. Provide a traffic control plan drawing for the proposed water and sewer construction work.
- 1.7 Provide technical criteria, written descriptions, design data, and file applications on City's behalf for permits for approval from governmental authorities having jurisdiction to review or approve the final design of the water and sewer relocations. Consult with appropriate authorities on behalf of the City as required.
- 1.8 Provide 5 hard copies of final design documents to City for review and revise per City comments.
- 1.9 Develop an opinion of probable construction cost.
- 1.10 Provide City with 5 copies of bidding documents in hard copy and one electronic format copy for use in Advertisement for bids.

Task 2 – Bidding Services



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Bidding services to be provided by Stantec include the following:

- 2.1 Provide the City with bidding documents and other information necessary to advertise the project and solicit construction bids.
- 2.2 Participate in a Pre-Bid Meeting.
- 2.3 Provide addenda items to City as needed to interpret or clarify the bidding documents.

Task 3 – Construction Services

Construction services to be provided by Stantec include the following:

- 3.1 Participate in a Pre-Construction Meeting.
- 3.2 Provide construction stakeout points CAD file to Contractor for construction staking.
- 3.3 Issue interpretations and clarifications of the Contract Documents.
- 3.4 Make limited periodic visits to the site to provide construction support, monitor construction activities and to observe the progress of the work as Engineer of Record (40 hours) and participate in Substantial Completion walk-through (8 hours). Provide Engineer's Certification.
- 3.5 Prepare Record Drawings from contractor's markup drawings. Provide City with 5 copies of record drawings in both hard copy and electronic format.

Task 4 - Additional Services

- Depth of buried utilities within the project site(s) by vacuum bore may be provided as an additional service if needed.

Fee Proposal

Stantec proposes to provide Tasks 1 through 3 as described above for a lump sum fee as follows:

Final Design Services	\$87,050
Bidding	3,350
<u>Construction Services</u>	<u>24,400</u>
Total	\$114,800

Schedule

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can begin work on the above services immediately following receipt of an executed Scope of Service Supplemental Agreement. Our proposed schedule is as follows:

Final Design Services	6 Months
Bidding Services	2 Months
Construction Services	(as required)
Additional Services	TBD

If this proposal meets your approval, please prepare a Scope of Services Supplemental Agreement for our review and execution in accordance with our Agreement for On-Call Engineering Services dated June 11, 2012 with the City of Greensboro.

Please feel free to call me if you have any questions regarding this proposal.

Regards,

Stantec Consulting Services Inc.

Linda Pass, PE
Project Manager/Senior Associate, Water
Phone: (704) 488-2171
Linda.Pass@stantec.com

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