

Water and Sewer Improvements Phase III Design Services

Background

HDR and their sub-consultants, working with the City, are completing the design, easement acquisition and permitting of the Mega Site Water and Sewer Project. Construction of the water and sewer infrastructure is expected to be completed in a minimum of four phases.

To assist the City with design, permitting and easement acquisition services for Phase III, HDR has been asked to perform the services listed below in the proposed Scope of Services. As part of these services, HDR will meet the original design contract M/WBE commitment of 13.2% of the total proposed fee.

Scope of Services

HDR will perform the following services as directed by the City to provide Design, Easement Acquisition and Permitting services related to Phase III of the Mega Site Water and Sewer Project.

1. Task 1: Design Services
 - a. This task will involve the design and permitting of two 16" water mains from the end of Phase I near Bora Road down Liberty Road to Old 421 Road to a termination point near Bowman Dairy Road. This design will also include force main piping from the end of Phase I at Bora to a point near the intersection of Julian Airport Road and US Highway 421, where it goes "cross country".
 - b. HDR will use the existing survey and alignment information but will flip the water and force main alignments showing the force main closer to the road. HDR will add a second 16" water line 10' parallel to the water main alignment. Final alignment will be determined by City of Greensboro.
2. Task 2: Additional Easement Acquisition and Survey Services
 - a. Modifying existing easement documents to reflect the proposed design revisions, which includes G-Drawings, fill in the blank deeds and exhibits for each property up to sixty (60) properties using the existing survey.
 - b. Additional easement documents for properties not affected previously, which includes G-Drawings, fill in the blank deeds and exhibits for each property up to twenty (20) properties.
 - c. Property survey to determine property boundaries for an additional thirty (30) properties if design requires.
3. Task 3: Permitting Services
 - a. The permitting will include Greensboro Construction Review, Rail Road Agreement with Norfolk Southern, NCDEQ Wastewater Collection System Extension Permit, Erosion Control, new 401/404 with a new end user, Duke Energy (if needed) and NCDOT Encroachment Agreement.

Proposed Schedule

Tasks 1, 2 & 3 will be completed within six months following a signed contract and authorization from the City to proceed.

Engineering Fee

Based upon the Scope of Services presented above, HDR's proposed fee is "two hundred thousand six-five thousand nine hundred sixty- eight dollars" (\$265,968.00) based upon the following breakdown of the tasks:

- Task 1: Design Services \$ 139,987.00
- Task 2: Survey Services \$ 59,000.00
- Task 3: Permitting Services \$ 66,981.00

HDR will utilize the following City approved MWBE sub-consultant to assist with the proposed work, with a total of 14.9%.

- MLA Design Group, Inc. (easement/survey) 14.9% M/WBE \$39,500.00