



Legislation Details (With Text)

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Title: Coulwood and Valley Haven Stream Restoration Projects

Attachments:

Date	Ver.	Action By	Action	Result
8/22/2022	1	City Council Business Meeting	Approve	

Coulwood and Valley Haven Stream Restoration Projects

Action:

- A. Approve a contract in the amount of \$1,151,000 with Wildlands Engineering, Inc. for Phase 1 Services for the Coulwood Stream Restoration Progressive Design-Build Project, and**
- B. Approve a contract in the amount of \$1,193,100 with North State Environmental, Inc. for Phase 1 Services for the Valley Haven Stream Restoration Progressive Design-Build Project.**

Staff Resource(s):

Angela Charles, Charlotte Water
Mike Davis, Storm Water Services
Matt Gustis, Storm Water Services

Explanation

- Services for each project consist of survey, geotechnical investigations, wetland assessments, design plan production, easement acquisition services, and associated permitting.
- The city’s primary goal is to maximize environmental benefit while creating conditions that will also yield mitigation credits.
- Stream restoration projects are ideal candidates for the design-build method as compared with the low-bid build delivery method. This delivery method allows for field design changes during construction, which are a critical component for a successful stream restoration project.
- On October 15, 2021, the city issued a Request for Qualifications (RFQ); four responses were received.
- Wildlands Engineering, Inc. and North State Environmental, Inc. were the best qualified firms to meet the city’s needs on the basis of demonstrated competence and qualification of professional services in response to the RFQ requirements.
- The city’s design-build delivery method is in conformance with NC General Statute Section 143-128.1(a) and consistent with the Design-Build Institute of America best practices.
- Prior to construction, amendments to these contracts will be brought to City Council following negotiation of the guaranteed maximum price. The contract amendments will include all costs to complete the projects through construction, warranty, and required mitigation monitoring.

Action A

- The project area is located in the Long Creek watershed with boundaries of Gum Branch to the north, Mount Holly Road to the south, Valleydale Road to the east, and Tom Sadler Road to the

west, in Council District 2.

- Restoration of over 4,300 linear feet of this stream and associated wetlands is expected which will yield Stream Mitigation Units (SMUs) and Wetland Mitigation Units when complete under the city's Umbrella Stream and Wetland Mitigation Bank.

Action B

- The project area is located in the McAlpine Creek watershed with boundaries of Rocky Falls Road to the north, McAlpine Creek to the south, Pineburr Road to the east, and Charter Place to the west, in Council District 6.
- Restoration of over 7,400 linear feet of this stream is expected which will yield SMUs when complete under the city's Umbrella Stream and Wetland Mitigation Bank.

Charlotte Business INclusion

Action A

The city negotiates subcontracting participation after the proposal selection process (Part C: Section 2.1 (h) of the Charlotte Business INclusion Policy). Wildlands Engineering, Inc. has committed 28.58% (\$328,992) of the total contract amount to the following certified firms:

- Avioimage Mapping Services, Inc (SBE) (\$12,900) (Aerial Survey and Mapping Services)
- CES Group Engineers, LLP (WBE) (\$64,900) (Survey and Utility Locator Services)
- Gavel and Dorn Engineering, PLLC (SBE) (\$202,707) (Geotechnical Engineering)
- Habitat Assessment and Restoration Professionals (WBE, SBE) (\$48,485) (Planting Plan and Invasive Species Control Plan)

Action B

The city negotiates subcontracting participation after the proposal selection process (Part C: Section 2.1 (h) of the Charlotte Business INclusion Policy). North State Environmental Inc. has committed 25.30% (\$301,800) of the total contract amount to the following certified firms:

- CES Group Engineers, LLP (WBE) (\$222,500) (Survey, Utility Locator Services, Landscape Architecture Support)
- Froehling & Robertson, Inc. (MBE) (\$61,200) (Geotechnical Engineering)
- WGR Southeast, LLC (SBE) (\$18,100) (Environmental)

Fiscal Note

Funding: Storm Water Capital Investment Plan