



CITY OF UMATILLA AGENDA ITEM STAFF REPORT

DATE: January 16, 2015

MEETING DATE: January 20, 2015

SUBJECT: BESH Proposal – Orange Avenue Rehabilitation Project

ISSUE: Change Order Request

BACKGROUND SUMMARY: The City was successful in obtaining the Tax Deed for the property at 240 N. Orange Avenue. BESH, project engineer, has submitted a change order request to allow a modification to the designed and permitted project.

The project was designed utilizing an underground storm chamber. The addition of this property within the project scope allows for placement of a stormwater retention pond on this property and will result in substantial savings in the overall project cost. The retention pond will be designed to meet the DEP and SJRWMD requirements for pollutant loading reduction and stormwater discharge.

Modifications to plans also include revisiting outfall pipe from the church drainage retention area (DRA) to connect outfall from proposed DRA, adjusting stormwater inlet collection system, proposed DRA details and cross sections, revisions to plan sheets, drainage sheets, profile sheets, cross section sheets, erosion control sheets, and utility adjustment sheets.

BESH will outsource geotechnical investigation to Andreyev Engineering to assist by drilling two machine auger borings in the retention area to collect samples for assessment and testing. Andreyev will prepare a geotechnical report evaluating the conditions, estimate seasonal high groundwater level, and make recommendation for stormwater retention system design. The fee for Andreyev's work is included within the BESH proposal.

STAFF RECOMMENDATIONS: Approval of BESH Change Order Request for Orange Avenue Rehabilitation Project dated January 8, 2015.

FISCAL IMPACTS: \$21,150 through project funding

COUNCIL ACTION:

Reviewed by City Attorney Yes No N/A

Reviewed by City Engineer Yes No N/A



**CHANGE ORDER REQUEST
FOR
CITY OF UMATILLA
ORANGE AVENUE REHABILITATION PROJECT
BESH #071026.0013**

January 8, 2015

The City of Umatilla's recent purchase of the property located at 240 N. Orange Avenue allows for a modification to the previously designed and SJRWMD permitted Orange Avenue Rehabilitation Project. This property allows for the removal of the previously designed underground storm chambers, as a retention pond can be designed and constructed on this site. This retention pond will be designed to meet the requirements set forth by SJRWMD and FDEP for pollutant loading reduction and stormwater discharge.

The services specified below are required in order to complete the above-referenced project. We have outlined each individual task that is required. Your signature below will constitute approval of said Change Order Request which will in turn be incorporated into your existing contract.

Task 006 BOUNDARY AND TOPOGRAPHIC SURVEY

Prepare a boundary survey complying with Chapter 5J-17.052 F.A.C. This task will include all field work and office work associated with preparing a boundary and topographic survey for the recently purchased City of Umatilla property at 240 N. Orange Avenue.

FEE \$2,200.00

Task 007 ENGINEERING

This task is for modification of existing engineering plans for the construction of a stormwater collection and treatment system along Orange Avenue between Collins Street and East Lake Street. These modifications are necessary due to the removal of underground storm chamber boxes from East Lake Street to add a proposed retention pond on the City property. Modifications shall include but not limited to; adding retention pond to City property, revising outfall pipe from church DRA to connect outfall from proposed DRA, adjusting stormwater inlet collection system, proposed DRA details and cross sections, revisions to plan sheets, drainage sheets, profile sheets, cross section sheets, erosion control sheets and utility adjustment sheets.

BESH will coordinate with all known utility companies for verification of existing utility lines using RGB marking system.

FEE \$12,500.00

Task 008 PERMITTING

BESH shall prepare and submit application for modification to existing SJRWMD permit, including modification to Stormwater Management Calculations and Pollutant Removal Calculations. Revised Stormwater Collection System Calculations shall be prepared under this task.

This task to include meetings with City and City's staff as reasonably requested, plan revisions based upon review comments by SJRWMD and City of Umatilla.

FEE \$5,000.00

Task 009 GEOTECHNICAL INVESTIGATION

Task to be informed by Andreyev Engineering, Inc., to include two (2) machine auger borings to 12 feet deep near proposed retention area. Collection of two (2) permeability tube samples to assess soil hydraulic conductivity. Conduct two (2) laboratory permeability tests. Prepare geotechnical report, including results of the soil investigation, evaluation of encountered conditions, and estimation of seasonal high ground water.

FEE \$1,450.00

See attached proposal prepared by Andreyev Engineering, Inc., dated January 7, 2014.

Services requested by:

Carol Rogers
City of Umatilla
(signature required)

Carol Rogers, Interim Manager

BOOTH, ERN, STRAUGHAN, AND HIOTT, INC.
(signature required)



Duane K. Booth, P.E.
Principal



Date: January 7, 2015

To: Booth, Ern, Straughan, and Hiott Inc.
902 North Sinclair Avenue
Tavares, Florida 32778

Attention: Mr. Brad Bublitz, E.I.

Subject: Proposal, Geotechnical Investigation, Proposed Stormwater Retention
Pond Area, Orange Avenue, City of Umatilla, Lake County, Florida

Dear Mr. Bublitz:

As requested, Andreyev Engineering Inc. (AEI) is pleased to submit to you this proposal for a geotechnical investigation for the above referenced project location. We understand that the improvements will include one proposed stormwater retention area.

In order to assist in the geotechnical design and stormwater permitting of the project and in consideration of the anticipated site conditions, we propose to conduct the following scope of investigation:

- Drill two (2) machine auger borings to a depth of 12 feet below ground surface within the proposed stormwater retention area.
- Collect two (2) undisturbed permeability tube samples from the proposed stormwater retention area to assess soil hydraulic conductivity.
- Conduct two (2) laboratory permeability tests on the collected permeability tube samples.
- Prepare a geotechnical report including results of the soil investigation in profile form, evaluation of encountered conditions, estimation of seasonal high groundwater level, and geotechnical recommendations for stormwater retention system design.

We estimate our fee to conduct this investigation including field investigation, laboratory classification, analyses and preparation of reports will be a lump sum fee of \$1,450.00. This estimate assumes that the site is clear and accessible to AEI personnel and drilling equipment. We anticipate that we can begin this investigation within 2 to 3 days after receiving your authorization and estimate report completion within 10 to 15 working days thereafter.

We appreciate the opportunity to submit this proposal for your review and consideration and look forward to working with you on this project. If you have any questions concerning this proposal please feel free to contact our office.

Sincerely,

ANDREYEV ENGINEERING, INC.



Raymond W. Jones, P.E.
Vice President

Proposed Stormwater Retention Pond Area
Orange Avenue, City of Umatilla

Conditions of Acceptance: The above proposal is acceptable. This proposal constitutes a binding contract between AEI and the client. The client and AEI agree that there are no additional terms, conditions, or agreements with respect to the project, other than the items referenced in this proposal agreement. Payment terms are "net thirty", and for past due invoices, interest shall be accrued at a rate of 1.5% per month. Client also agrees to reimburse AEI for reasonable attorney fees, in the event that payment is not submitted to AEI for services rendered.

ACCEPTED BY: Name: _____ Signature: _____

TITLE: _____ DATE: _____

BILLING ADDRESS: _____

PHONE: _____ CELL: _____ FAX: _____

EMAIL ADDRESS: _____