

CITY OF BROOKSVILLE

DEPARTMENT OF PUBLIC WORKS

**BID NO.: PW2018-02 – SAXON BROOK DRAINAGE
CORRECTIONS, PHASE II,**

**ADDENDUM #2
Date Issued – Sept 10, 2018**

TO: All prospective proposers and others concerned.

This addendum is being issued to address the following two (2) concerns:

1. Plans differed from technical specifications as to the size of Rip-rap. (SEE ATTACHED)
2. Plans differed from technical specifications as to soils used for fill behind wall. (SEE ATTACHED)

Acknowledge receipt of the Addendum #2 by signing the document and attaching to Proposal Documents submitted. Failure to do so may subject the proposer to disqualification.

Authorized Signature

Date Acknowledged

RIPRAP, Rubble w/ Filter Fabric (Rev 9-7-18)

The work specified under this Section consists of the construction of riprap composed of broken stone. The construction of rubble riprap shall conform to the requirements of Section 530 of the "Standard Specifications", as amended herein, the details and notes shown on the Plans, and, where specified herein or on the Plans, applicable drawings of the FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS," current edition. The work included within this section shall also include the furnishing and placement of Filter Fabric, as described below, to be placed beneath the Riprap material.

Materials:

Rubble riprap (Ditch Lining):

Rip rap (Ditch Lining) shall be furnished and installed per FDOT standard specification 530.

Filter Fabric:

Refer to FDOT Specifications 514 and 985, latest edition. FDOT Type D-2 filter fabric is to be utilized under the ditch bottom rip rap. FDOT Type D-4 filter fabric is to be used behind the sand cement rip rap as shown on the plans. For geotextile type and geotextile criteria refer to FDOT Design Standards, Index 199

Filter Fabric shall be a non-woven fabric consisting of a perforous sheet of polymeric fibers oriented into a stable network so that the fibers retain their relative position with respect to each other.

The fabric shall be free of any chemical treatment or coating which might significantly reduce permeability, shall have no flaws or defects which could significantly alter its physical properties.

All filter fabric installation shall conform to the manufacturer's recommendations or to the Engineer's direction.

Construction Methods:

Filter Fabric:

After excavation, or stripping to the extent indicated on the Plans or as directed by the Engineer, any remaining loose or otherwise unsuitable materials shall be removed and all depressions carefully backfilled and compacted using suitable materials from adjacent required excavation.

Any buried debris protruding from the foundation that will impede the proper installation and final appearance shall also be removed, and the voids shall be carefully backfilled and compacted as directed by the Engineer.

The filter fabric will wrap around all sides of the rubble that is in contact with soil, and extend 18 inches beyond the limit of the rubble, and then get embedded into the soil at least 12 inches to ensure it's anchored. (Per the Engineer design.)

Immediately prior to placing the filter fabric, the prepared foundation surface shall be inspected by the Engineer, and no fabric shall be placed thereon until that area has been approved.

Rubble Riprap:

The riprap shall be carefully placed and arranged to form compact layers conforming to the neat lines called for in the Plans, and to the thickness' specified, plus or minus two inches.

If the filter fabric is torn or damaged during the arrangement or placement process, it should be repaired or replaced.

The riprap shall be placed in a manner such that the smaller pieces are evenly distributed and placed so as to fill the voids between the larger pieces

PAYMENT

Rubble material shall be measured per **square yard** to the depths and dimensions shown on the plans. Measurement shall be for accepted material installed as indicated on the plans.

PAY QUANTITY

No separate payment will be made for the non-woven filter fabric. The cost of the fabric is to be included in the price per **square yard** of rubble.

BASIS OF PAYMENT

The pay quantity for the work specified under this Section shall be the number of **square yards** of stone fill and filter fabric actually placed and accepted.

EARTHWORK, (CHANNEL) – Rev 9-7-18

The work for Earthwork (Channel) as specified in this section shall include excavation of embankment, channels, ditches and submerged areas, and also include all grading, dewatering, turbidity metering, preparation of side slopes, compaction, final dressing and all incidental work along the channel and/or pond being excavated. Also included under this section is turbidity measurement and required monitoring per the Southwest Florida Water Management District (SWFWMD) requirements.

Unless otherwise provided for in these Specifications, the work to be performed under this Section shall include the hauling, to designated sites, of all material which may remain the property of the City, and the stockpiling, compaction, and shaping of such material to the template lines shown in the Plans or as directed by the Engineer. Except as otherwise provided for in the Plans and Specifications, all surplus material and other items not claimed by the City shall become the property of the Contractor and shall be disposed of by the Contractor in areas provided by the Contractor. The work specified under this Section shall also include the excavation, removal, and disposal of unsuitable materials.

The work specified under this Section shall include the shaping, compaction and dressing of material to the condition required for the placement of embankment, bedding, pavement or other material, and where required, to the slopes and tolerances normally associated with final grading operations, such as required for seeding and/ or the placement of sod.

Excavation specified under this Section shall include the excavation and removal of all existing materials, debris, obstructions, structures and utilities encountered during excavation, except where designated in the Plans or Specifications to remain, between the original ground or top of existing pavement and the surface of the completed earthwork, within the limits shown in the Plans. Compacted granular backfill material, borrow material, and embankment shall consist of suitable earthen material acceptable to the Engineer. Ownership of all suitable excavated material shall remain with the City until all earthwork requirements for the project have been fulfilled. Except as otherwise provided for in the Plans and Specifications, all surplus material and other items not claimed by the City shall become the property of the Contractor and shall be disposed of by the Contractor in areas provided by the Contractor.

Embankment or Backfill Material

All embankment or backfill material to be placed within the control and limit line shall be per FDOT index 505 "Embankment utilization" shall be AASHTO M-145 A-1 or A-3 material.

The location and quantity of Earthwork, (Channel) is estimated and is approximate only. The furnishing and placement of Earthwork, Earthwork work, (Channel) material may be required at additional on-site locations or deleted due to field conditions, as determined in the field by the Engineer.

The Contractor's attention is directed to the following notes:

- 1) All Earthwork material shall be approved by the Engineer prior to placement.
- 2) The Contractor shall not stockpile and Earthwork, (Channel) material on site for six (6) weeks or more, unless approved by the Engineer.

- 3) The Contractor must remove all stockpiles of Earthwork, material from the work site before the Project can be completed.
- 4) The contractor shall not over-excavate a construction site below the elevations shown in the plans and permits, unless specifically pre-approved by the City.

PAYMENT

The work specified under this Section shall be paid for under the pay items for **Earthwork (Channel)**

PAY QUANTITY

- a. The pay quantity for work specified under this Section shall be **per lump sum**, computed by the average-end-area method, of the various types of unsuitable material identified for **Earthwork (Channel)** removed within the limits specified or approved by the Engineer.

BASIS OF PAYMENT

- a. The quantities determined as specified above shall be paid for at the contract price per **lump sum**.