

## SECTION 01025

### MEASUREMENT AND PAYMENT

#### PART 1- GENERAL

##### 1.01 DESCRIPTION

- A. This section describes the method used to determine quantities of Work performed or materials supplied for which a price is given in the Bid. It establishes the basis upon which payment will be made for Payment Items.
- B. Subject to the provisions in General Conditions, all Work and payment for the Work is represented by Payment Items and associated unit prices.

##### 1.02 PAYMENT

- A. Subject to all other contract requirements, the Contractor shall be paid for "as-built" quantities of Work for which a price is given in the bid.
- B. Quantities on the Bid Form are for comparison in competitive bidding only and do not necessarily constitute the basis for payment or measurement of quantities.
- C. Quantities on the Bid Form are estimates based on best available data. Any overages in quantities must be pre-approved, in writing, by the owner prior to construction and payment.
- D. No separate payment will be made for one Payment Item as Work incidentally required to complete the Work of another.
- E. Payment for Work performed shall be made in accordance with the unit prices in the Bid. Retainage shall apply to all Contractor payments prior to final acceptance.

##### 1.03 MEASUREMENT FOR PAYMENT

- A. Methods of Measurement:
  - 1. Measurements of lengths, widths, slope angles, and depths or elevations shall be made to determine "as-built" quantities of lengths, and areas pertinent to Payment Items.
  - 2. The length of the lake bank restoration shall be made linearly along the slope at the point of the top anchor trench. The as-built survey shall be used to measure the length.
  - 3. Slope angles and elevations shall be measured using land surveying equipment.

## 1.04 PAYMENT ITEMS

- A. Separate payment will be made for the Unit Price and Lump Sum items listed on the Bid Form. Related work not specifically listed or identified below in 1.04 B and C, but evidently necessary for satisfactory completion of the Item shall be considered to be included.
- B. No separate payment will be made for the following Work, and its cost shall be included in the Bid Price of the Payment Item to which it is associated:
1. Erosion and sedimentation control, and turbidity screening.
  2. Compaction testing.
  3. Temporary construction fencing.
  4. Waste removal and disposal.
  5. Appurtenant work.
  6. Additional geotechnical borings deemed necessary by Contractor.
  7. Notifications to property owners of construction schedule.
  8. Preparation of submittals and shop drawings.
  9. Removal of rock.
  10. Sodding and restoration.
  11. Clean up.
- C. The Bid item numbers can be found in the Bid Form.

### **1. Mobilization/Demobilization**

Preparatory Work and operations in mobilizing for beginning work on the Project and demobilizing for ending work on the Project. The establishment of field offices, buildings, safety equipment, first aid supplies, sanitary and other facilities, as required by these Specifications, State and local laws and any other preconstruction expense necessary for the state of the Work; the cost of field engineering, including permits and fees, construction schedules, construction photographs, project signs, shop drawings, temporary facilities, lay down storage area, construction aids, work associated with Contractor support during Owner testing, reviews and inspection, re-inspection and any rework resulting from same, cleaning, surveyed project as-built documents, operating and maintenance data. The Contractor shall submit invoices substantiating the cost of mobilization with each pay request. Payment for mobilization / demobilization shall be as follows: 75% shall be paid at the time of first invoice after the Contractor has mobilized to the site and established field operations. The remaining 25% shall be paid at the completion of the project when the contractor has properly demobilized, cleaned the site, and completed all restoration.

### **2. General Requirements**

- a. Measurement of various items for General Requirements will not be made for payment and all items shall be included in the appropriate lump sum prices throughout the bid schedule.
- b. Payment for General Requirements shall include Insurance requirements costs, the costs of all bonds, and all administrative costs associated with acquiring and maintaining the necessary coverage as described in the Contract Documents.

**3. Surveying and As-Builts**

- a. No measurement will be made for this item.
- b. The cost of surveying and as-builts shall include field surveying of lots, easements, tracts, etc. as necessary and required to ensure that the project is constructed in accordance with the contract documents. Contractor shall at a minimum stake the location of the adjacent lot lines, lake maintenance easement, locations of top anchor trench and end terminus of matting, and all access easements to ensure that the proposed construction takes place in the proper areas. The contractor shall also provide surveyed as-builts signed and sealed by a licensed surveyor at the completion of the project which are to be submitted to the Gateway Services Community Development District.

**4. Lake Bank Restoration (TRM)**

- a. Measurement for the Lake Bank Restoration shall be made in linear feet (LF) horizontally along the lake slope at the point of the top anchor trench. Distances will be measured based on the as-built survey provided by the Contractor.
- b. The cost of Lake Bank restoration shall include all labor, materials, and equipment necessary to complete the work as required by the contract Drawings and Specifications. This item shall include all furnishing and installing all rock and earthwork (imported fill), grading, compaction, sodding, compaction testing, HPTRM, anchors, pins, and all other items necessary to complete the work as designed and specified herein.

**5. Lake Bank Restoration (Other)**

- a. Measurement for the Lake Bank Restoration shall be made in linear feet (LF) horizontally along the lake slope at the point of the top anchor trench. Distances will be measured based on the as-built survey provided by the Contractor.

- b. The cost of Lake Bank restoration shall include all labor necessary to complete the work as required by the contract Drawings and Specifications. This item shall include all furnishing and installation of rock and earthwork (imported fill), grading, compaction, sodding, compaction testing, non-woven geotextile fabric, pins, and all other items necessary to complete the work as designed and specified herein.

**6. Drain Boxes**

- a. Measurement for the drain boxes shall be for each drain box installed and accepted as designed and specified herein.
- b. The cost of the drain boxes shall be for each drain box installed, including the furnishing and installation of the actual drain box itself, the concrete required to secure the box in place, and the connection of the piping to the box as necessary for each box. This item will bid on a unit price basis and the actual field quantity of drain boxes will vary depending on the field conditions of each lake. The Contractor shall install the drain boxes as directed by the Owner and Engineer.

**7. Irrigation Restoration**

- a. No measurement will be made for this item.
- b. The cost of irrigation restoration shall include furnishing and providing of all labor, materials, and equipment necessary to completely repair and replace all irrigation systems which are damaged, moved, or otherwise altered as part of the construction of this project. The Contractor shall repair and or replace the affected irrigation systems to their original condition or better. The contractor shall work diligently with the owner and the affected property owners to restore their irrigation systems as necessary. The contractor shall document all irregularities discovered (I.E. pre-existing damaged systems, non-functional systems, etc.) prior to their repair and or replacement.

PART 2 – PRODUCTS (NOT USED)  
PART 3 – EXECUTION (NOT USED)

END OF SECTION