



**Lehigh Acres - Municipal Services Improvement District**

Project:

**SOUTHWEST LEHIGH WEIRS PROJECT**

**(A.B.S.O.R.B.)  
AQUIFER BENEFIT and STORAGE for  
ORANGE RIVER BASIN**

**Addendum # 1**

**OWNER:**

**Lehigh Acres - Municipal Services Improvement District  
601 East County Lane  
Lehigh Acres, FL 33936  
(239) 368-0044 Phone - (239) 368-5412 Fax**

**ENGINEER:**

**RHT ENGINEERING, INC.  
319 INMAN STREET  
LEHIGH ACRES, FLORIDA 33936  
T: (239) 369-8900**

The following Southwest Lehigh Weirs Project (A.B.S.O.R.B.) items are hereby amended and/or clarified under Addendum #1:

**Item #1 – Base Rock**

The “Base Rock” called out in the Water Control Structure Bid Items in SECTION 01020, MEASUREMENT AND PAYMENT is better described as bedding stone. This has been revised in the Specifications.

**Item #2 – Concrete Apron**

The “Concrete Reinforced Canal Apron” called out in the Water Control Structure Bid Items in SECTION 01020, MEASUREMENT AND PAYMENT was in the specifications in error. This item has been removed.

The items shown on the plan set take precedent over the generally referenced items listed in the Products Part of Section 01020.

Section 01020, MEASUREMENT AND PAYMENT has been revised to reflect the above discrepancies and is attached.

## SECTION 01020

### 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 all Payment Items.
- B. Subject to provisions in the General Conditions, all Work and payment for all Work is represented by Payment Items and their associated unit prices or lump sum 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 constitute the basis for payment or measurement of quantities.
- C. Quantities on the Bid Form are estimated and may be increased or decreased without limit.
- D. No separate payment will be made for one Payment Item as Work incidentally required to complete the Work of another Payment Item.
- 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. Payment Limit Lines:
  - 1. Where payment limit lines are shown on the Contract Drawings, measurements of a Payment Item quantity will be made up to, but not beyond such limit lines.
  - 2. Where the actual Work of a Payment Item falls short of the payment limit line, measurement will be made to the line of the actual Work.
  - 3. No payment will be made for quantities outside of payment limit lines unless authorized in writing by the Owner.

## Acknowledgement of Receipt

Acknowledgement of receipt of this Addendum No. 1 is **required** at the time of receipt, by facsimile of this transmittal faxed to (239) 368-5412 or emailed to [MCook@la-msid.com](mailto:MCook@la-msid.com). Failure to acknowledge may result in rejection of Bid. Also, include an original, signed Addendum No. 1 with the Bid Package submitted to the LA-MSID.

I hereby acknowledge the receipt of Addendum No. 1 as identified above.

**RECEIVED BY:** \_\_\_\_\_

\_\_\_\_\_  
Print Name

Date: \_\_\_\_\_

B. Methods of Measurement:

1. Measurements of lengths, widths, slope angles, and depths or elevations shall be made to determine "as-built" quantities of lengths, areas and volumes pertinent to the Payment Items.
  - a. Unless otherwise specified, all lengths shall be horizontal distances.
  - b. Slope angles and elevations shall be measured using land surveying equipment.
2. Graphic representations of measured quantities shall be drafted to scale using the Drawings where convenient and appropriate. Additional drawings shall be drafted if required.
  - a. Irregular shapes representing areas and volumes shall be measured using a compensating polar planimeter or a computer digitizer.
  - b. Regular shapes shall be scaled.
3. Use of Drawings:
  - a. Unless otherwise agreed upon between the Contractor and Owner, the Drawings shall be used as the basis to establish existing grades and other existing topographic features.

C. Payment limits where Payment Lines are not shown on the Drawings:

1. Pipe Length: Measurement of pipe shall be made along the top of pipe, excluding fittings, valves and manholes, in place, taken as the laying length.
2. Except as specified otherwise, measurements of Payment Item quantities of weights, lengths, areas and volumes shall be made:
  - a. On "as-built" and in-place completed Work, during construction or at the time of Substantial Completion.
  - b. If no other feasible and practical methods of measurements are available, by delivery slips delivered to the Engineer.
3. Adjustments shall be made to eliminate overlaps in area and volume measurements.

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 Payment Item shall be considered to be included with the associated Item.
- 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. Trench excavation, sheeting, shoring and bracing.
  2. De-watering, erosion and sedimentation control, and turbidity screening.
  3. Fill, backfill and grading.
  4. Removal, replacement and restoration of driveways, mailboxes, sod, seed, and plantings.
  5. Removal, replacement and restoration of culverts and storm sewer pipe crossings of driveways and roads.
  6. Cleanup.
  7. Testing, including all materials and equipment.
  8. Maintenance of utility service.
  9. Appurtenant restoration of work areas.
  10. Removal and replacement of fencing and other structures.
  11. Record Drawings.
  12. Field Office.
  13. Saw cutting.
  14. Coordination with other contractors.
  15. Layout of the work.
  16. Notifications to property owners of construction schedule and service interruptions.
  17. Coordination of activities and work hours with DOT Operations.
  18. Safety barricades, safety fencing, caution signs, detours, etc.

## PART 2- PRODUCTS

### 1.01 DESCRIPTION

#### 1. **Mobilization/Demobilization (Bid Item 1)**

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 disposal of cleared and grubbed material and debris, permits and fees, construction schedules, construction photographs, project signs, shop drawings, temporary facilities, lay down storage area, construction aids, erosion control, work associated with Contractor support during Owner/Engineer testing, reviews and inspection,

re-inspection and any rework resulting from same, cleaning, project records documents, operating and maintenance data.

The Contractor shall submit invoices substantiating the cost of "Mobilization/Demobilization" with each pay request. Fifteen percent (15%) of the cost for "Mobilization/Demobilization" will be withheld until substantial completion has been accepted by the Owner.

**2. General Requirements (Bid Item 2)**

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. The Contractor shall submit invoices substantiating the cost of "General Requirements" with each pay request.

**3. Water Control Structure 1 (Bid Item 3)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; monitoring and telemetry equipment and all appurtenances; electrical service; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**4. Water Control Structure 2 (Bid Item 4)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**5. Water Control Structure 3 (Bid Item 5)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**6. Water Control Structure 4 (Bid Item 6)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**7. Water Control Structure 5 (Bid Item 7)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; monitoring and telemetry equipment and all appurtenances; electrical service, rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.



Includes the replacement of the existing culvert under Sara Ave including but not limited to the restoration of the road per LDOT standards, coordination with LDOT and Maintenance of traffic.

**8. Water Control Structure 6 (Bid Item 8)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**9. Water Control Structure 7 (Bid Item 9)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**10. Water Control Structure 8 (Bid Item 10)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**11. Water Control Structure 9 (Bid Item 11)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; monitoring and telemetry equipment and all appurtenances; electrical service, rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**12. Water Control Structure 10 (Bid Item 12)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

Includes the replacement of the existing culvert under 8<sup>th</sup> Street SW including but not limited to the restoration of the road per LDOT standards, coordination with LDOT and Maintenance of traffic.

**13. Water Control Structure 12 (Bid Item 13)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators;

telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**14. Water Control Structure 13 (Bid Item 14)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**15. Water Control Structure 14 (Bid Item 15)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**16. Water Control Structure 15 (Bid Item 16)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators;

telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**17. Water Control Structure 16 (Bid Item 17)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**18. Water Control Structure 17 (Bid Item 18)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**19. Water Control Structure 18 (Bid Item 19)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators;

telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**20. Water Control Structure 19 (Bid Item 20)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**21. Water Control Structure 20 (Bid Item 21)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**22. Water Control Structure 21 (Bid Item 22)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators;

telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**23. Water Control Structure 22 (Bid Item 23)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**24. Water Control Structure 23 (Bid Item 24)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**25. Water Control Structure 24 (Bid Item 25)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators;

telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**26. Water Control Structure 25 (Bid Item 26)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

**27. Water Control Structure 26 (Bid Item 27)**

Includes the complete construction of the water control structure as shown on the construction plans including but not limited to site/canal preparation; dewatering; installation of bedding stone; reinforced concrete structures; grating, catwalks and hand railing; weir/slide/stop gates and actuators; telemetry equipment and all appurtenances; rip-rap; perimeter fence and gates; and weep hole assemblies.

Includes the complete restoration of all canal banks associated with the existing and proposed structures including but not limited to rough and final grading, soil compaction, bahia sodding and pinning of canal banks, and bahia sodding of all other areas disturbed during construction.

END OF SECTION