

**LAGUNA MADRE WATER DISTRICT
PORT ISABEL WATER RECLAMATION FACILITY OUTFALL EXTENSION
BID NO.: WW-16-09-02**

ADDENDUM NO. 1

BID OPENING TIME: September 15, 2016 @ 2:00 PM (CDT)

LOCATION: Laguna Madre Water District
105 Port Road
Port Isabel, TX 78578

The following additions, deletions, modifications, or clarifications, along with all attachments shall be made to the appropriate sections of the Specifications and Contract Documents and shall become a part of the Contract Documents. **Bidders shall acknowledge receipt of this addendum in the space provided on the Bid Form.**

VOLUME 1 – CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS

A1-1. DOCUMENT 00_41_00 – BID FORM

- A. Article 5 Basis of Bid, Subparagraph 5.01, Unit Price Schedule, REPLACE line Item Number 5 in its entirety with the following:

5	Manholes (Fiberglass)	EA	19		
---	-----------------------	----	----	--	--

- B. REPLACE Subparagraph 5.02 Alternate Bid Items, in its entirety with the following:

Item Number	Description	Unit	Estimated Quantity	Unit Price	Total Estimated Price \$
1A	Concrete Manhole	EA	19		

- A. At Owner's option, the concrete manholes will be selected in lieu of the fiberglass manholes.

A1-2. DOCUMENT 00_52_00 – AGREEMENT

- A. Paragraph 4.04.A.1., INSERT "\$500.00" in the blank.
B. Paragraph 4.04.A.2., INSERT "\$500.00" in the blank.

C. Paragraph 5.01.A., Unit Price Works Table, revise the table as follows:

Move the number "5,535" into the Estimated Quantity column.

Move the number "5,510" into the Estimated Quantity column.

Move the number "19" into the Estimated Quantity column.

A1-3. DOCUMENT 00_73_00 – SUPPLEMENTARY CONDITIONS

A. Article 6 – Bonds and Insurance, ADD the following after the Federal Longshoreman's entry in Paragraph SC-6.03.K.1:

Jones Act coverage, if applicable:

Bodily injury by accident, each accident	\$	<u>1,000,000</u>
Bodily injury by disease, aggregate	\$	<u>2,000,000</u>

A1-4. SECTION 01_14_00 – WORK RESTRICTIONS

A. After Paragraph 1.02.A., ADD the following in its entirety:

"B. Following acceptance of the Contractor's signed Agreement and Insurance forms, a Notice to Proceed will be issued for ordering materials. Delivered materials may be stored on Subsea 7 property within the fenced area. The Contractor may create his own fenced storage area. Contact the Navigational District to negotiate a temporary easement for the storage area. Owner will pay for all stored materials. The issuance of this Notice to Proceed shall commence the Contract Time stated in Document 00_52_00, Article 4.

C. Mobilization onto the site shall not begin until the Owner receives an Out-grant Easement from the US Corps of Engineers Real Estate Division. At that time a Field Directive will be issued to begin mobilization and construction. Receipt of the easement is anticipated prior to October 15, 2016. If receipt of the easement is delayed beyond that date, discussions will be held with the Contractor concerning expediting the construction of the outfall line."

B. After Paragraph 1.09.3., ADD the following in its entirety:

"4. Contractor shall submit to Subsea 7 prior to starting any construction activities, a list of all personnel who will be accessing the Subsea 7 site. Subsea 7 will issue badges to the listed personnel. Badges shall be worn at all times while on Subsea 7 property."

A1-5. SECTION 01_22_00 – UNIT PRICES

A. Subparagraph 1.03.B.5., change the title from "Manholes (Concrete)" to "Manholes (Fiberglass)."

A1-6. SECTION 31_23_17 – TRENCHING

- A. After Paragraph 1.01.B.f., ADD the following in its entirety:
- "g. Section 31_32_18.04 – Filter Fabric"
- B. REPLACE Paragraph 1.02.A.2., in its entirety with the following:
- "D 698 – Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lb/ft³ (600 kN-m/m³))."
- C. After Paragraph 3.01.B., ADD the following in its entirety:
- "C. Moisture Content: During compaction operation, all soils shall be within -1 to +3% of optimum moisture content."
- D. After Paragraph 3.02.A.5., ADD the following in its entirety:
- "6. Trench Geotextile Fabric
- a. Place geotextile fabric along the trench bottom and up the trench side and across the top of the pipe bedding material."
- E. Paragraph 3.02.E.1.a, CHANGE the compaction requirement from "90 percent" to "85 percent."
- F. Paragraph 3.02.G.2, CHANGE the ASTM reference from "D 1557" to "D698."
- G. REPLACE Paragraph 3.02.H., in its entirety with the following:
- "H. Excess excavated materials from the project may be spread smoothly over the project site. Material does not need to be removed from the project site."
- H. Paragraph 3.03.A.1.a, REPLACE items 2), 3) with the following:
- "2) Control operations to comply at all times with requirements specified in the Section concerning compaction.
- 3) Cost of confirmation testing shall be paid for by the Owner."
- I. DELETE Paragraph 3.03.A.1.a.4) in its entirety.
- J. DELETE Paragraph 3.03.A.1.a.5) in its entirety.
- K. DELETE Paragraph 3.03.A.2 in its entirety.

L. REPLACE Paragraph 3.04, in its entirety with the following:

"A. Pipe fine grading materials:

1. Fine grading material shall be gravel as specified in Section 31_05_15.

B. Pipe bedding materials:

1. Pipe bedding material shall be Select Material as specified in Section 31_05_15.

C. Backfill materials:

1. Backfill materials above the pipe bedding shall be native material as specified in Section 31_05_15."

A1-7. SECTION 31_32_18.04 – FILTER FABRIC

- A. ADD Section in its entirety with the attached section.

VOLUME 2 – DRAWINGS

A1-8. DRAWING CG01

- A. Add the following notes in their entirety:

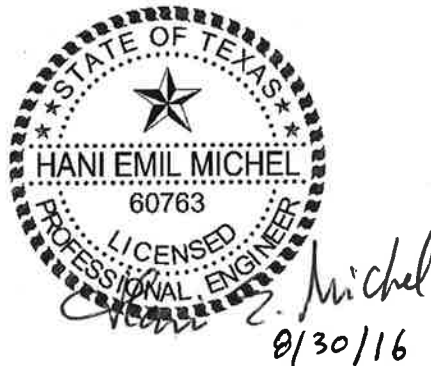
- "7. On-site construction activities shall not began until after September 15th and shall be completed prior to March 15th. If it becomes necessary to extend on-site construction activities beyond the above period, identification, delineation, and protection of nesting areas shall be required.
8. Contractor is advised that manatees may approach the proposed project area. Contractor shall provide materials, such as a poster, to assist in identifying the mammal, with instruction not to feed or water the animal. If a manatee is sighted, Contractor shall contact the US Fish and Wildlife Service (USFWS) at 361-533-6047 and the Texas Marine Mammal Stranding Network (TMMSN) at 713-542-1861 or 800-962-6625."

This Addendum No. 1, pages 1 through 5, shall become part of the Contract and all provisions of the Contract shall apply thereto.

The time provided for completion of the Contract is not changed.

Bidders shall acknowledge receipt of all Addenda by number in the space provided in the Proposal.

CAROLLO ENGINEERS, INC.



END OF ADDENDUM NO. 1

ATTACHMENTS:

SECTION 31_32_18.04 – FILTER FABRIC

SECTION ADDED IN
ITS ENTIRETY

SECTION 31_32_18.04^{AD1}

FILTER FABRIC

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Nonwoven filter fabric.

1.02 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 1. D 4491 - Standard Test Method for Water Permeability of Geotextiles by Permittivity.
 2. D 4632 - Standard Test Method for Grab Breaking Load and Elongation of Geotextiles.
 3. D 6242 - Standard Test Method for Mass Unit Area of Nonwoven Fabrics.

1.03 DEFINITIONS

- A. Filter Fabric: Nonwoven geotextile fabric manufactured from polypropylene fibers.

1.04 SUBMITTALS

- A. Product Data.
- B. Samples.
- C. Quality Control Submittals:
 1. Certificates of Compliance.
 2. Manufacturer's Instructions.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Storage and Protection:
 1. Furnish filter fabric in protective covers capable of protecting the fabric from ultraviolet rays, abrasion, and water.

1.06 PROJECT CONDITIONS

- A. Take field measurements to determine the lengths and dimensions of the surfaces to receive the fabric.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. One of the Following or Equal:
 1. Amoco, Style 4550.

2. Ten Cate Nicolon, Charlotte, NC, Mirafi 140NC.

2.02 MATERIAL REQUIREMENTS

A. Physical Properties: Meet the following minimum requirements:

Property ⁽¹⁾	Test Method	Requirements ⁽¹⁾
Minimum Weight	ASTM D 6242	4.5 ounces per square yard
Grab tensile strength	ASTM D 4632	100 pounds
Grab tensile elongation	ASTM D 4632	50 percent
Minimum Permittivity	ASTM D 4491	1.7 per second
(1) Minimum average roll values.		

PART 3 EXECUTION

3.01 EXAMINATION

A. Verification of Conditions: Verify that conditions are satisfactory for the installation of filter fabric.

3.02 PREPARATION

- A. Surface Preparation: During grading operations, take care not to disturb the subgrade. This may require use of lightweight dozers for low strength soils such as saturated, cohesionless, or low cohesion soils.
- B. Prior to Placement of Fabric: Prepare surface to smooth condition free of debris, depressions, or obstructions that may damage the fabric.

3.03 INSTALLATION

- A. Follow manufacturer's installation instructions and as complimented herein.
- B. Place the filter fabric smoothly without folds or wrinkles.
- C. Use special care when placing the filter in contact with the soil so that no void spaces occur between the filter and the prepared surface.
- D. Overlap the parallel rolls and ends of rolls a minimum of 24 inches and not less than recommended by manufacturer.
- E. Do not drag filter fabric across subgrade.
- F. Make overlaps at ends of rolls in the direction of the aggregate placement with the previous roll on top.
- G. Use lightweight dozers if necessary. Do not allow equipment directly on filter fabric.

3.04 FIELD QUALITY CONTROL

- A. Inspection: Before covering, the condition of the fabric will be observed by the Engineer to determine that no holes or rips exist in the fabric. Repair all holes and rips by placing a new layer of fabric extending beyond the defect in all directions a distance equal to the minimum overlap required for adjacent rolls.

END OF SECTION

^{AD1} Addendum No. 1