

**Addendum No. 1**  
**Specifications and Construction Documents**  
*McNeese State University*  
*Contraband Bayou Erosion*  
*Retaining Wall Phase II*  
**FP&C No. 19-627-12-03, Part 01 (F.19001093)**  
**Site Code 5-10-004**  
**M.A. Project No. H1-13015-DA**  
**June 4, 2020**

The following changes, additions, deletions, or alterations to the Specifications and Construction Documents and/or Contract Drawings shall be incorporated into the Specifications and Contract Documents and/or Contract Drawings for the above captioned project:

**A. REFERENCE: Specifications, Instructions to Bidders, Paragraph 3.1.2**

For reference purposes only, a geotechnical study entitled “Geotechnical Engineering Study, Retaining Wall – Phase II, Contraband Bayou Erosion Project, McNeese State University, Lake Charles, Louisiana” prepared by Tolunay-Wong Engineers, Inc. and dated June 23, 2014 is attached to this addendum.

**B. REFERENCE: Specifications, Instructions to Bidders, Paragraph 4.3 – Substitutions**

Subject to compliance with the provisions of the Construction Documents and Specifications the following materials may be substituted:

Substitute section for the PZ35 or AZ36-700N as shown on Drawing Sheet S-4.4: ZZ38-700 hot rolled sheet pile, material grade 60ksi min.

Substitute section for the PZ22 or AZ12-700 as shown on Drawing Sheet S-6.2: ZZ14-770 hot rolled sheet pile, material grade 60ksi min.

No cold rolled steel sheet pile are allowed.

**C. REFERENCE: Specifications, Advertisement for Bids, and Instructions to Bidders, Paragraph 5.3.1**

Add the following paragraphs:

The Office of Facility Planning and Control is currently closed to the public. Bidders wishing to hand-deliver a bid shall contact FPC at (225) 342-0820 from the lobby of

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the Claiborne Building prior to 1:45 pm on the specified date of bid opening. A representative of FPC will then meet with the bidder in the lobby to receive the bid. After 1:45 pm, bidders shall submit bids directly to the room specified in the advertisement for bids.

All visitors entering the Claiborne building will have their temperatures checked at the main southern entrance. Visitors must have a temperature less than 100.4 degrees to proceed past the checkpoint and must check in further at the security desk.

All persons attending the public bid opening are required to wear a mask/face covering upon entering the Claiborne Building.

**D. REFERENCE: Technical Specifications, Division 01 – General Requirements, Section 01 50 00 – Temporary Facilities and Controls, Paragraph 3.4 – Security and Protection Facilities Installation**

Add the following paragraphs:

McNeese State University will provide the Contractor with a paved materials storage and staging area approximately 0.32 acres in size located north of McNeese Street and west of Collette Hall as shown on attached Figure No. 1.

The Contractor shall be responsible for temporary fencing along the perimeter of the area as required for security purposes. Upon completion of the project the Contractor shall return the area to the Owner in its original pre-construction condition.

If the Contractor needs additional storage area and or staging area in proximity to the project work area, McNeese State University will provide up to 0.5 acres of unpaved grass field at its athletic complex located off the main campus approximately 0.65 miles from the intersection of McNeese and Common Streets. The contractor shall be responsible for temporary fencing along the perimeter of the area as required for security purposes.

Upon completion of the project the Contractor shall return the area to the Owner in its original pre-construction condition.

**E. REFERENCE: Technical Specifications, Division 01 – General Requirements, Section 01 50 00 – Temporary Facilities and Controls, Paragraph 3.4 – Security and Protection Facilities Installation**

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Add the following paragraph:

The Contractor shall provide the necessary temporary fencing, barricades and warning signs to protect college employees and students and the public from the Contractor's construction activities as the work progresses.

**F. REFERENCE: Technical Specifications, Section 26 56 21 – HID Exterior Lighting**

Delete Section 26 56 21 in its entirety and replace with the attached Section 26 56 19 – LED Exterior Lighting.

**G. REFERENCE: Technical Specifications, Section 32 32 23 – Segmental Concrete Gravity Retaining Wall, Part 2 – Materials, Paragraph 2.1 – I.**

The following sentence shall be added:

Block texture shall be a random, stacked stone appearance, similar to ledge stone.

**H. REFERENCE: Technical Specifications, Section 32 32 23 – Segmental Concrete Gravity Retaining Wall, Part 2 – Materials, Paragraph 2.1-J.**

The following paragraph shall be added:

Block color shall be a combination of integral and shake-on colors applied at the factory during the manufacturing process, not a stain. Blocks cannot be stained, painted or colored in the field post installation.

**I. REFERENCE: Construction Documents, Contract Drawing Sheet No. C-6.0, Sections at Station 7+45.00± (Observation Deck) and Station 12+00.00, Keyed Notes 3, 4, and 5.**

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The following clarification is provided:

The required topsoil (6" thick min.) shall be placed directly upon the prepared and graded channel slope and then hydroseeded. The required Anchored Reinforced Vegetation System (ARVS) armoring system consisting of a High Performance Turf Reinforcement Mat (HPTRM) in combination with Percussion Driven Earth Anchors (PDEA's) shall be placed on top of the hydroseeded topsoil layer such that the ARVS/HPTRM provides the final surface in direct contact with channel water flow.

**J. REFERENCE: Construction Documents, Contract Drawing Sheet No. C-6.1, South Bank Slope Cross-Section**

The following clarification is provided:

The required topsoil (6" thick min.) shall be placed directly upon the prepared and graded channel slope and then hydroseeded. The required Anchored Reinforced Vegetation System (ARVS) armoring system consisting of a High Performance Turf Reinforcement Mat (HPTRM) in combination with Percussion Driven Earth Anchors (PDEA's) shall be placed on top of the hydroseeded topsoil layer such that the ARVS/HPTRM provides the final surface in direct contact with channel water flow.

**K. REFERENCE: Construction Documents, Contract Drawing Sheet E-1.2, Detail 3 – Time Control Center Wiring Diagram:**

Time Control Centers shown on the drawings have been discontinued. Replace specified units with Tork #DLC400BP or Intermatic #ET90415CR Lighting Control Time Switch if specified units cannot be obtained. Revise wiring as required.

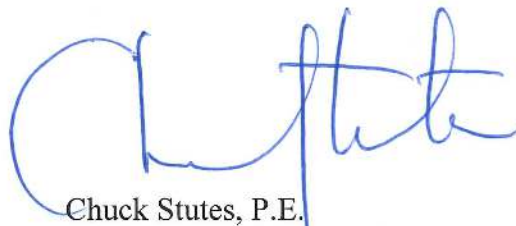
**L. REFERENCE: Construction Documents, Contract Drawing Sheet E-1.4, Detail 3 – Light Fixture Schedule**

Replace existing Light Fixture Schedule with Light Fixture Schedule – Revision 1 attached.

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**M. REFERENCE: Construction Documents, Contract Drawing Sheet Nos. S-1.1, S-2.1, S-3.1, S-4.4, and S-6.2**

Sheet piles in low clearance areas (under existing utilities) must be spliced in sections as shown on Sheet S-6.2. In extremely tight vertical clearance areas, such as the existing utilities at Bridge 2, the contractor may elect to dig or trench in the area of the sheet piles to provide additional vertical clearance. Spliced sheet pile sections may be welded to adjacent full length sheet piles not located under existing utilities and driven down to grade with the hammer attached to the full length sheet. Contractor will be required to submit a plan for installation of sheet piles in low vertical clearance areas.



Chuck Stutes, P.E.  
Senior Project Director

## SECTION 26 56 19 - LED EXTERIOR LIGHTING

### PART 1 - GENERAL

#### 1.1 SUMMARY

##### A. Section Includes:

1. Exterior solid-state luminaires that are designed for and exclusively use LED lamp technology.
2. Luminaire supports.

##### B. Related Requirements:

1. Section 26 09 23 "Lighting Control Devices" for automatic control of lighting, including time switches, photoelectric relays, occupancy sensors, and multipole lighting relays and contactors.
2. Section 26 56 13 "Lighting Poles and Standards" for poles and standards used to support exterior lighting equipment.

#### 1.2 DEFINITIONS

- A. CCT: Correlated color temperature.
- B. CRI: Color rendering index.
- C. Fixture: See "Luminaire."
- D. IP: International Protection or Ingress Protection Rating
- E. Lumen: Measured output of lamp and luminaire, or both.
- F. Luminaire: Complete lighting unit, including lamp, reflector, and housing.

#### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of luminaire.
- B. Shop Drawings: For nonstandard or custom luminaires.
  1. Include plans, elevations, sections, and mounting and attachment details.
  2. Include details of luminaire assemblies. Indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
  3. Include diagrams for power, signal, and control wiring.
- C. Delegated-Design Submittal: For luminaire supports.

1. Include design calculations for luminaire supports.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Plans, drawn to scale and coordinated.
- B. Product Certificates: For each type of the following:
  1. Luminaire.
- C. Sample warranty.

#### 1.5 CLOSEOUT SUBMITTALS

- A. Operation and maintenance data.
  1. Provide a list of all fixtures used on Project. Use ANSI and manufacturers' codes.

#### 1.6 FIELD CONDITIONS

- A. Mark locations of exterior luminaires for approval by Architect prior to the start of luminaire installation.

#### 1.7 WARRANTY

- A. Warranty: Manufacturer and Installer agree to repair or replace components of luminaires that fail in materials or workmanship within specified warranty period.
  1. Warranty Period: 5 year(s) from date of Substantial Completion.

### PART 2 - PRODUCTS

#### 2.1 LUMINAIRE REQUIREMENTS

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. NRTL Compliance: Luminaires shall be listed and labeled for indicated class and division of hazard by an NRTL.
- C. UL Compliance: Comply with UL 1598 and listed for wet location.
- D. CRI of minimum 80. CCT of 4100 K.
- E. L70 lamp life of 50,000 hours.

- F. Nominal Operating Voltage: 208 V ac.
- G. In-line Fusing: Separate in-line fuse for each luminaire.
- H. Lamp Rating: Lamp marked for outdoor use and in enclosed locations.
- I. Source Limitations: Obtain luminaires from single source from a single manufacturer.

## 2.2 LUMINAIRE TYPES

- A. Area and Site:
  - 1. Luminaire Shape: See Lighting Fixture Schedule on Drawings.
  - 2. Mounting: Pole or pendant per plans.
  - 3. Luminaire-Mounting Height: as Scheduled on drawings.
  - 4. Distribution: See Light Fixture Schedule on Drawings.

## 2.3 MATERIALS

- A. Metal Parts: Free of burrs and sharp corners and edges.
- B. Sheet Metal Components: Corrosion-resistant aluminum, Stainless steel, Epoxy-coated steel. Form and support to prevent warping and sagging.
- C. Doors, Frames, and Other Internal Access: Smooth operating, free of light leakage under operating conditions, and designed to permit relamping without use of tools. Designed to prevent doors, frames, lenses, diffusers, and other components from falling accidentally during relamping and when secured in operating position. Doors shall be removable for cleaning or replacing lenses.
- D. Diffusers and Globes:
  - 1. Acrylic Diffusers: 100 percent virgin acrylic plastic, with high resistance to yellowing and other changes due to aging, exposure to heat, and UV radiation.
  - 2. Lens Thickness: At least 0.125 inch minimum unless otherwise indicated.
- E. Lens and Refractor Gaskets: Use heat- and aging-resistant resilient gaskets to seal and cushion lenses and refractors in luminaire doors.
- F. Reflecting surfaces shall have minimum reflectance as follows unless otherwise indicated:
  - 1. White Surfaces: 85 percent.
  - 2. Specular Surfaces: 83 percent.
  - 3. Diffusing Specular Surfaces: 75 percent.
- G. Housings:
  - 1. Rigidly formed, weather- and light-tight enclosure that will not warp, sag, or deform in use.
  - 2. Provide filter/breather for enclosed luminaires.



## 2.4 LUMINAIRE SUPPORT COMPONENTS

- A. Comply with requirements in Section 26 05 29 "Hangers and Supports for Electrical Systems" for channel and angle iron supports and nonmetallic channel and angle supports.

## PART 3 - EXECUTION

### 3.1 GENERAL INSTALLATION REQUIREMENTS

- A. Comply with NECA 1.
- B. Fasten luminaire to structural support.
- C. Supports:
  - 1. Sized and rated for luminaire weight.
  - 2. Able to maintain luminaire position after cleaning and relamping.
  - 3. Support luminaires without causing deflection of finished surface.
  - 4. Luminaire-mounting devices shall be capable of supporting a horizontal force of 100 percent of luminaire weight and a vertical force of 400 percent of luminaire weight.
- D. Wiring Method: Install cables in raceways. Conceal raceways and cables.
- E. Install luminaires level, plumb, and square with finished grade unless otherwise indicated.
- F. Coordinate layout and installation of luminaires with other construction.
- G. Comply with requirements in Section 26 05 19 "Low-Voltage Electrical Power Conductors and Cables" and 26 05 33 "Raceways and Boxes for Electrical Systems" for wiring connections and wiring methods.

### 3.2 CORROSION PREVENTION

- A. Aluminum: Do not use in contact with earth or concrete. When in direct contact with a dissimilar metal, protect aluminum by insulating fittings or treatment.
- B. Steel Conduits: Comply with Section 26 05 33 "Raceways and Boxes for Electrical Systems." In concrete foundations, wrap conduit with 0.010-inch-thick, pipe-wrapping plastic tape applied with a 50 percent overlap.

### 3.3 IDENTIFICATION

- A. Identify system components, wiring, cabling, and terminals. Comply with requirements for identification specified in Section 26 05 53 "Identification for Electrical Systems."

3.4 FIELD QUALITY CONTROL

- A. Inspect each installed luminaire for damage. Replace damaged luminaires and components.
- B. Perform the following tests and inspections:
  - 1. Operational Test: After installing luminaires, switches, and accessories, and after electrical circuitry has been energized, test units to confirm proper operation.
  - 2. Verify operation of photoelectric controls.
- C. Luminaire will be considered defective if it does not pass tests and inspections.
- D. Prepare a written report of tests, inspections, observations, and verifications indicating and interpreting results. If adjustments are made to lighting system, retest to demonstrate compliance with standards.

3.5 DEMONSTRATION

- A. Train Owner's maintenance personnel to adjust, operate, and maintain luminaires.

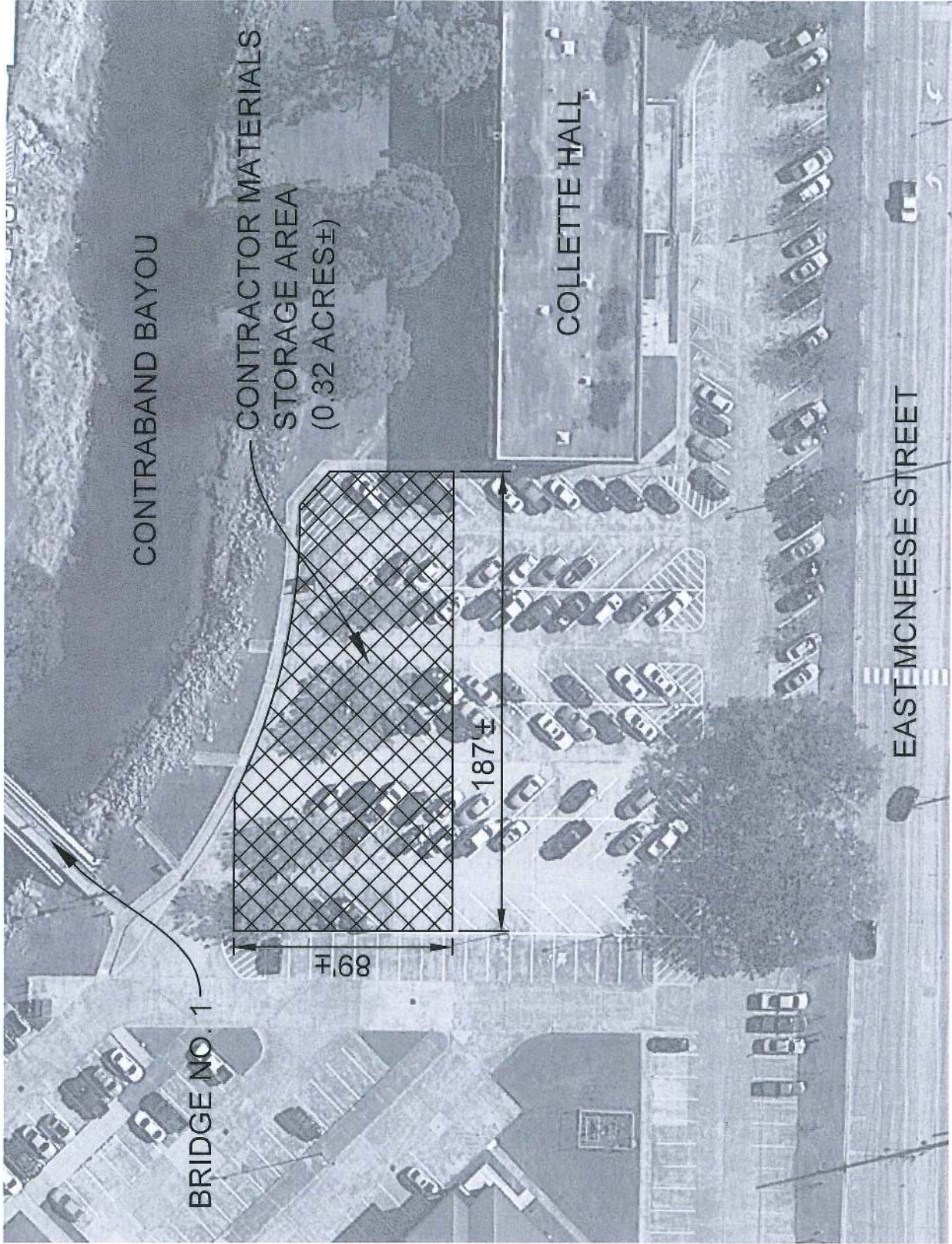
END OF SECTION 26 56 19

**SHEET E-1.4 DETAIL 3: LIGHT FIXTURE SCHEDULE - REVISION 1**

| MARK | DESCRIPTION      |  | LAMPS         | NOTES |
|------|------------------|--|---------------|-------|
| A    | GARDCO           | #SFRP-T3-5M-105SLA-NW-208-AR-BLP-LF(208)-DL  | LED WITH UNIT | 1,2   |
|      | CREE             | #ARE-EDR-5M-R3-08-E-UL-BK-525-40K-FUSED-DIFFUSE LENSE  | LED WITH UNIT | 1,2   |
| B    | GARDCO           | #SFRP-T3-3-105SLA-NW-208-AR-BLP-LF(208)-DL   | LED WITH UNIT | 1,2   |
|      | CREE             | #ARE-EDR-3M-R3-08-E-UL-BK-525-40K-FUSED-DIFFUSE LENSE  | LED WITH UNIT | 1,2   |
| C    | GARDCO           | #SFRP-T3-3-105SLA-NW-208-AR-BLP-LF(208)-DL   | LED WITH UNIT | 1,3   |
|      | CREE             | #ARE-EDR-3M-R3-08-E-UL-BK-525-40K-FUSED-DIFFUSE LENSE  | LED WITH UNIT | 1,3   |
| D    | GARDCO           | #SFRP-T3-4-105SLA-NW-208-AR-BLP-LF(208)-DL   | LED WITH UNIT | 1,3   |
|      | CREE             | #ARE-EDR-5M-R3-08-E-UL-BK-525-40K-FUSED-DIFFUSE LENSE  | LED WITH UNIT | 1,3   |
| E    | LUMEC            | #S26P-35W32LED4K-G2-ACDR-C-LE5-208-SP2-BKTX-DOUBLE FUSE PENDANT MOUNT- DECORATOR LIGHTING FIXTURE AS INDICATED ON LANDSCAPE DRAWING DETAILS.                   | LED WITH UNIT | 1,4   |
|      | US ARCHITECTURAL | #COL18-PM-HR-V-100 PSMH-208-1-RAL-9005-T-PENDANT MOUNT DECORATOR LIGHTING FIXTURE AS INDICATED ON LANDSCAPE DRAWING DETAILS. UNIT TO HAVE TYPE V DISTRIBUTION. | LED WITH UNIT | 1,4   |
| F    | LUMEC            | #S26N-108W48LED4K-G2-ACDR-C-LE2-208-SP2-TNx-BKTX-DOUBLE FUSE.  | LED WITH UNIT | 1,5   |
|      | US ARCHITECTURAL | POST TOP DECORATOR AREA LIGHTING FIXTURE TO MATCH BRIDGE TYPE E UNITS EXCEPT TO HAVE TYPE III DISTRIBUTION.  | LED WITH UNIT | 1,5   |
| G    | GARDCO           | #SFRP-T3-5M-105SLA-NW-208-AR-BLP-LF(208)-DL  | LED WITH UNIT | 1,6   |
|      | CREE             | #ARE-EDR-5M-R3-08-E-UL-BK-525-40K-FUSED-DIFFUSE LENSE  | LED WITH UNIT | 1,6   |
| H    | GARDCO           | #SFRP-T3-4-105SLA-NW-208-AR-BLP-LF(208)-DL   | LED WITH UNIT | 1,7   |
|      | CREE             | #ARE-EDR-4M-R3-08-E-UL-BK-525-40K-FUSED-DIFFUSE LENSE  | LED WITH UNIT | 1,7   |

**NOTES:**

- CATALOG NUMBERS INDICATED ARE FROM PHILLIPS / GARDCO, US ARCHITECTURAL, AND CREE LIGHTING. SUBSTITUTE FIXTURES WITH SIMILAR SPECIFICATIONS ARE APPROVED FOR THIS PROJECT.
- MOUNT FIXTURE ON MATCHING 14' 4" ROUND STRAIGHT STEEL POLE WITH ANCHOR BOLTS, GROUND LUG, AND ANCHOR BOLT COVER.
- MOUNT FIXTURE ON MATCHING 18' 4" ROUND STRAIGHT STEEL POLE WITH ANCHOR BOLTS, GROUND LUG, AND ANCHOR BOLT COVER.
- PENDANT MOUNT FIXTURE IN ARCHITECTURAL ELEMENT ON BRIDGE. SEE LANDSCAPING DETAILS.
- MOUNT FIXTURE ON MATCHING 18' 4" ROUND STRAIGHT STEEL POLE WITH ANCHOR BOLTS, GROUND LUG, AND ANCHOR BOLT COVER. PROVIDE WP RECEPTACLE MOUNTING 12" ABOVE HANDHOLE WHERE INDICATED ON THE DRAWINGS.
- MOUNT FIXTURE ON MATCHING 12' 4" ROUND STRAIGHT STEEL POLE WITH ANCHOR BOLTS, GROUND LUG, AND ANCHOR BOLT COVER. PROVIDE WP RECEPTACLE MOUNTING 12" ABOVE HANDHOLE WHERE INDICATED ON THE DRAWINGS.
- MOUNT FIXTURE ON MATCHING 18' 4" ROUND STRAIGHT STEEL POLE WITH ANCHOR BOLTS, GROUND LUG, AND ANCHOR BOLT COVER. PROVIDE WP RECEPTACLE MOUNTING 12" ABOVE HANDHOLE WHERE INDICATED ON THE DRAWINGS.



CONTRABAND BAYOU  
 EROSION RETAINING WALL PHASE II  
 CONTRACTOR MATERIALS STORAGE AREA  
 FIGURE NO. 1

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