

Project No. 10510

## Construction Specifications

### 1. General Requirements

#### A. General

This project consists of excavating coal material from the west stormwater containment pond at the Alabama State Port Authority (ASPA) McDuffie Coal Terminal facility. Work on this project includes, but is not necessarily limited to, the excavating of coal material from the west containment pond and stockpiling the material at location(s) within the McDuffie terminal.

The work described herein shall consist of furnishing all materials, supplies, equipment, tools, transportation, labor, supervision, and required bonds and insurance necessary or required to perform all the work described herein in a safe and effective manner. The intent of this project is to return the west containment pond to its original capacity.

The specifications stated herein describe the work to be performed by the contractor and present requirements for certain items in connection with the work. These specifications do not attempt to detail all items entering into the work but are intended to furnish a basis for acceptance of more important items. These specifications shall not abrogate the intent of the project as stated previously.

#### B. Project Plans

- ASPA Plans: Sheet Nos. 2159-001, 2159-002, and 2159-003\_REV 1  
**Note that plan sheets 2159-001 and 2159-002 are from an excavation performed in 2013 and are intended to provide the contractor with information on what might be encountered during the work.**

#### C. Submittals

Contractor shall provide submittals on the following for approval prior to construction:

- Work plan
  - Includes list of equipment to be used on project.
  - Proposed methods (includes dewatering method)
- Schedule

#### D. Cooperation with Operations

Contractor shall coordinate with McDuffie Coal Terminal Operations and Maintenance Departments as necessary and/or required.

#### E. Safety

Contractor shall also adhere to all State and Federal rules, regulations, and laws while performing work for the Alabama State Port Authority (ASPA).

## F. Acceptance

As soon as practical after the completion of the entire work, a thorough examination thereof will be made by the Owner's Engineer at the site of the work. If such work is found to comply fully with the requirements of the contract, it will be accepted, and final payment may be requested by the contractor.

## 2. Project Specific Requirements

### A. Construction Details

#### i. Work shall include the following:

- a. The contractor shall dewater the west cell as necessary to complete work as specified. Upon project commencement, ASPA will divert water into the adjacent sedimentation pond. The contractor will be responsible for sealing the discharge pipe to keep water from the adjacent pond from backflowing into the west pond. It is noted that the discharge pipe is not watertight.



- b. The ASPA shall have a pre-excavation survey conducted of the west stormwater cell with the outside "top of slope" being the limits of the survey. The survey shall be performed by a professional surveyor licensed in the State of Alabama. The survey shall be performed in accordance with typical standards of practice. ASPA shall provide a signed and sealed copy of the pre-excavation survey upon completion.
- c. Only after the pre-excavation survey is complete, the contractor shall excavate approximately 22,000 CY of coal material from the west stormwater cell as is shown on the project drawings. The excavated material shall be hauled to location(s) designated by McDuffie Operations and within the McDuffie Terminal.
- d. Special attention is directed to the fact that the quantity is an estimated quantity and will likely change based on the actual field conditions. The payment quantity shall be adjusted based on the actual quantity excavated determined by the pre- and post- excavation survey.
- e. The contractor shall only excavate down to the coal-soil interface. **The contractor is strictly prohibited from introducing any contamination into the material being removed from the sedimentation pond.** The contractor is prohibited from installing haul roads within the sedimentation pond. Contamination is considered anything except pure coal.

Any other materials encountered on top of the coal (i.e. grass, soil, aggregate, etc.) shall be hauled to a separate location from the "clean" coal. Once excavation reaches the soil at the bottom of the west pond the excavation shall cease.

- f. The ASPA shall have a post-excavation survey conducted after all excavation is completed. The ASPA shall provide a copy of the post-excavation survey signed and stamped by the professional surveyor. The final excavated yardage figures shall be noted on the drawing.
- g. The contractor is responsible for maintaining all haul roads during the construction including those within the McDuffie Coal Terminal operating area. All roads utilized during construction shall be returned to equal or better than preconstruction conditions. Material used in the repair or prep of earthen roads shall be "sand-clay", AASHTO Classification A-2-4 (0),  $\pm 2\%$  optimal moisture. Material used in the repair of asphalt roads shall be ALDOT 424-A superpave bituminous concrete wearing surface placed at 220 LB/SY (3/4" max. aggregate size mix, ESAL Range C/D).
- h. In addition, the contractor shall furnish and install approximately 280 CY of "sand-clay" material (noted in Item G) to ramp up and over the exposed dredge discharge pipe. The material shall be placed in six (6) inch lifts and configured at the direction of the ASPA Engineer.
- i. The posted speed limit within the terminal is 15 mph. The speed limit will be strictly enforced. A \$100 fine will be charged to the contractor for every time a contractor vehicle is documented speeding.
- j. The contractor shall take extra care not to damage or compromise the integrity of the adjacent levees.