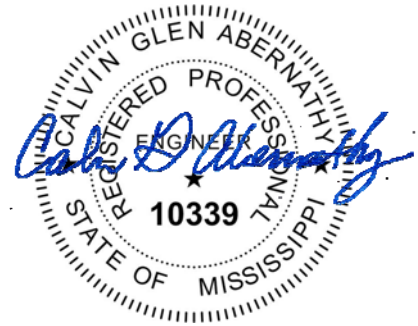


February 18, 2020

ADDENDUM NO. 1

Re: **GS# 323-016**
LAGOON SLUDGE REMOVAL PROJECT
South Mississippi Correctional Institute
Leakesville, Mississippi



Bid Date: March 17, 2020 (2:00 PM local time)

NOTICE TO ALL DEOCUMENT HOLDERS:

The following additions, changes and clarifications to the Specifications for the subject project are to be included as part of the Contract Documents, and thus amend the Scope of Work:

GENERAL

Item No. 1 A PRE-BID CONFERENCE WILL BE CONDUCTED ON March 5, 2020 at 11:00 AM at the South Mississippi Correctional Institute located at 22689 Highway 63 North, Leakesville, Mississippi 39451. Participants shall meet at the South MSCl entrance. Details of the project, security details, and proper completion of the Bid Form will be discussed at this meeting.

Due to the unusual nature of this project scope and location, Bidders are strongly encouraged to attend this Conference.

SPECIFICATIONS

- Item No. 2 Replace the Table of Contents with the amended Table of Contents associated with this Addendum
- Item No. 3 Section 01310 Project Schedules. Delete this specification in its entirety and replace with the revised Section 01310 Project Schedule.
- Item No. 4 Insert Section 01380 Photographic Documentation into the Project Manual
- Item No. 5 Section 01410 Testing Laboratory Services. Delete this specification in its entirety and replace with the revised Section 01410 Testing Laboratory Services.

SPECIFICATIONS (continued)

- Item No. 6 Section 01500 Construction Facilities and Temporary Controls. Delete this specification in its entirety and replace with the revised Section 01500 Construction Facilities and Temporary Controls.
- Item No. 7 Insert Section 01570 Temporary Stormwater Controls into the Project Manual
- Item No. 8 Insert Section 01590 Field Offices and Sheds into the Project Manual

Table of Contents

Division 0

- 00000 – Advertisement for Bids
- 00100 – Instructions to Bidders
- 00300 – Proposal Form
- 00500 – Standard Form of Agreement Between the Owner and the Contractor
- 00600 – Contract Bond
- 00650 – Standard Construction Contract Certificate of Insurance
- 00700 – General Conditions (AIA Document A201, Sixteenth Edition, 2007)
- 00800 – 2007 Supplemental Conditions
- 00820 – Labor Requirements
- 00900 - Addenda

Division 1

- 01010 – Summary of Work
- 01020 – Allowances
- 01025 – Schedule of Values
- 01027 – Applications for Payment
- 01028 – Change Order Procedures
- 01030 – Alternatives
- 01041 – Project Coordination (replaced in Addendum No. 1)
- 01045 – Cutting and Patching
- 01200 – Project Meetings
- 01310 – Progress Schedules (replaced in Addendum No. 1)
- 01311 – Network Analysis Schedule
- 01340 – Shop Drawings, Product Data and Samples
- 01380 – Photographic Documentation (added in Addendum No. 1)
- 01410 – Testing Laboratory Services (replaced in Addendum No. 1)
- 01500 – Construction Facilities and Temporary Controls (replaced in Addendum No. 1)
- 01570 – Temporary Stormwater Controls (added in Addendum No. 1)
- 01590 – Field Offices and Sheds (added in Addendum No. 1)
- 01630 – Substitutions and Product Options
- 01650 – Starting of Systems
- 01700 – Contract Closeout
- 01710 – Cleaning

01720 – Project Record Documents

01900 – Division One Supplement

Section 01010 – Exhibit “A” Minority Tracking or Participation Form

Section 01500 – Exhibit “B” Project Sign

Division 2

02370 – Erosion and Sediment Control

02610 – Removal and Disposal of Wastewater Sludge

SECTION 01310

PROGRESS SCHEDULE

PART 1 - GENERAL

1.01 SUMMARY

- A. Section includes administrative and procedural requirements for documenting the progress of the project during performance of Work, including the following:
 - 1. Startup schedule
 - 2. Contractor's project schedule
 - 3. Project schedule updating reports
 - 4. Daily project reports
 - 5. Material location reports
 - 6. Site condition reports
 - 7. Special Reports

1.02 RELATED DOCUMENTS

- A. Construction Services Agreement
- B. Section 01041 – Project Coordination
- C. Section 01700 – Closeout Procedures

1.03 SUBMITTALS

- A. Format for Submittals: Submit required submittals in the following format:
 - 1. Working electronic copy of schedule file, where indicated
 - 2. PDF electronic file
- B. Startup schedule
 - 1. Approval of cost-loaded, startup schedule will not constitute approval of schedule of values for cost-loaded activities.
- C. Startup Network Diagram: Of size required to display entire network for entire project period. Show logic ties for activities
- D. Contractor's Project Schedule: Initial schedule, of size required to display entire schedule for entire project period.

1. Submit a working electronic copy of schedule, using software indicated, and labeled to comply with requirements for submittals. Include type of schedule (initial or updated) and date on label.
- E. Project Schedule Updating Reports: Submit with Applications for Payment
- F. Daily Project Reports: Submit at monthly intervals unless there are changes in schedule, weather delays or security related delays.
- G. Material Location Reports: Submit at monthly intervals
- H. Site Condition Reports: Submit at time of discovery of differing conditions
- I. Special Reports: Submit at time of unusual event

1.04 COORDINATION

- A. Coordinate preparation and processing of schedules and reports with performance of project activities and with scheduling and reporting of separate contractors.
- B. Coordinate Contractor's project schedule with the schedule of values, submittal schedule, progress reports, payment requests, and other required schedules and reports.
 1. Secure time commitments for performing critical elements of the Work from entities involved.
 2. Coordinate each project activity in the network with other activities and schedule them in proper sequence.

PART 2 - PRODUCTS

2.01 CONTRACTOR'S PROJECT SCHEDULE, GENERAL

- A. Time Frame: Extend schedule from date established for the Notice to Proceed to date of Substantial Completion.
 1. Contract completion date shall not be changed by submission of a schedule that shows a completion date later than the allotted project time, unless specifically authorized by Change Order.
- B. Activities: Treat each separate area as a separate numbered activity for each main element of the Work. Comply with the following:
 1. Activity Duration: Define activities so that each activities/work element can be tracked separately. Activities that should be included in the project schedule include but are not limited to:
 - a. Preconstruction Conference
 - b. Notice to Proceed
 - c. Security Clearances
 - d. Mobilization of project trailer
 - e. Shop Drawing submittal and review (Culvert Only)

- f. Application for Payments
 - g. Construction of Haul Road
 - h. Construction of Dewatering Staging Area
 - i. Mobilization and set up of sludge dewatering process equipment
 - j. Sludge removal, dewatering and disposal activities
 - k. Substantial Completion
 - l. Demobilization of sludge dewater process equipment
 - m. Site restoration
 - n. Final Inspection
 - o. Project Closeout
2. Submittal Review Time: Include review and resubmittal times in schedule. Coordinate submittal review times in Contractor's project schedule with submittal schedule.
 3. Substantial Completion: Indicate completion in advance of date established for Substantial Completion and allow time for Engineer's administrative procedures necessary for certification of Substantial Completion.
 4. Punch List and Final Completion: Include not more than 30 days for completion of punch list items and final completion.
- C. Constraints: Include constraints and work restrictions indicated in the Contract Documents and as follows in schedule and show how the sequence of the Work is affected.
1. Work Restrictions: Describe the effect of the following items may have on the project schedule:
 - a. Coordination with wastewater facilities operations
 - b. Uninterruptible services
 - c. Use of premises restrictions
 - d. Abnormal rain or weather events
 - e. Hurricanes or other acts of nature.
 - f. Security Lockdowns at the South Mississippi Correctional Institute
 - g. Disposal activities at the Pine Belt Regional Landfill
- D. Milestones: Include milestones indicated in the Contract Documents in schedule, including, but not limited to, the Notice to Proceed, Substantial Completion, and final completion.
- E. Upcoming Work Summary: Prepare summary report indicating activities scheduled to occur or commence prior to submittal of next schedule update. Summarize the following issues:
1. Unresolved issues.
 2. Unanswered Requests for Information.
 3. Rejected or unreturned submittals.
 4. Notations on returned submittals.

5. Pending modifications affecting the Work and Contract Time.
- F. Recovery Schedule: When periodic update indicates the Work is 14 or more calendar days behind the current approved schedule, submit a separate recovery schedule indicating means by which Contractor intends to regain compliance with the schedule. Indicate changes to working hours, working days, crew sizes, and equipment required to achieve compliance, and date by which recovery will be accomplished.

2.02 CONTRACTOR'S PROJECT SCHEDULE (GANTT CHART)

- A. Gantt-Chart Schedule: Submit a comprehensive, fully developed, horizontal, Gantt-chart-type, Contractor's project schedule within 14 days of date established for the Notice to Proceed. Base schedule on the startup project schedule and additional information received since the start of Project.
- B. Preparation: Indicate each significant activity separately. Identify first workday of each week with a continuous vertical line.

2.03 REPORTS

- A. Daily Project Reports: Prepare a daily project report recording the following information concerning events at Project site:
 1. List of subcontractors at Project site.
 2. List of separate contractors at Project site.
 3. Approximate count of personnel at Project site.
 4. Equipment at Project site.
 5. Material deliveries.
 6. High and low temperatures and general weather conditions, including presence of rain or snow.
 7. Stormwater Management Inspections
 8. Accidents.
 9. Results from dewatered sludge contents (dry weights) for each day.
 10. Number of loads of dewatered sludge hauled to the Pine Belt Regional Landfill (include haul tickets issued by Pine Belt Regional Landfill)
 11. Meetings and significant decisions.
 12. Unusual events.
 13. Stoppages, delays, shortages, and losses.
 14. Emergency procedures.
 15. Orders and requests of authorities having jurisdiction.

16. Change Orders received and implemented.
17. Project Change Directives received and implemented.
18. Services connected and disconnected.
19. Substantial Completions authorized.

PART 3 - EXECUTION

3.01 CONTRACTOR'S PROJECT SCHEDULE

- A. Scheduling Consultant: Engage a consultant to provide planning, evaluation, and reporting using critical path method (CPM) scheduling.
 1. In-House Option: Owner may waive the requirement to retain a consultant if Contractor employs skilled personnel with experience in scheduling and reporting techniques.
 2. Meetings: Scheduling consultant shall attend meetings related to Project progress, alleged delays, and time impact.
- B. Contractor's Project Schedule Updating: At monthly intervals, update schedule to reflect actual project progress and activities. Issue schedule 1 day before each regularly scheduled progress meeting.
 1. Revise schedule immediately after each meeting or other activity where revisions have been recognized or made. Issue updated schedule concurrently with the report of each such meeting.
 2. Include a report with updated schedule that indicates every change, including, but not limited to, changes in logic, durations, actual starts and finishes, and activity durations.
 3. As the Work progresses, indicate final completion percentage for each activity.
- C. Distribution: Distribute copies of approved schedule to Engineer, Owner, separate contractors, testing and inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.
 1. Post copies in Project meeting rooms and temporary field offices.
 2. When revisions are made, distribute updated schedules to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in performance of project activities.

END OF SECTION

SECTION 01380

PHOTOGRAPHIC DOCUMENTATION

PART 1 - GENERAL

1.01 SUMMARY

- A. Project record photographs during the course of the Work
- B. Digital Photography is required. Film photography is not acceptable.
- C. Employment of competent photographer to take project record photographs periodically during course of the Work is required

1.02 RELATED DOCUMENTS

- A. Section 01700 – Contract Closeout
- B. Section 01720 – Project Record Documents

1.03 PHOTOGRAPHY REQUIRED

- A. Provide photographs of the general project area prior to starting activities.
- B. Take photographs on the date on which each scheduled Application for Payment is due. Intent is for digital photos to be kept as project record
- C. Digital photographs shall be submitted on a compact disc (CD), DVD or USB drive.
- D. Digital photographs shall be a resolution of 10 megapixels or greater.
- E. CD, DVD or USB drive of Digital photos become the property of Owner

1.04 COSTS OF PHOTOGRAPHY

- A. Pay costs for specified photography and printing
- B. Parties requiring additional photography or prints will pay for them directly

1.05 DELIVERY OF PHOTOS

- A. Submit digital photos to the Engineer with monthly pay requests or within 15 days of photo date

PART 2 - PRODUCTS

(NOT USED)

PART 3 - EXECUTION

3.06 TECHNIQUE

- A. Factual Presentation
- B. Correct Exposure and Focus
- C. Photographic documentation may be collected using high quality digital photographic equipment including the use of drones or other aerial devices. Video documentation of stormwater BMPs and construction activities is acceptable if still images can be pulled from video files.

3.07 VIEWS REQUIRED

- A. Photograph from locations to adequately illustrate the state of the Project
 - 1. Photographic survey of the existing site
- B. Show areas to be modified
- C. Show areas in where Contractor will conduct operations or store equipment
 - 1. Monthly photographs
- D. Stormwater BMPs at each site
- E. Views as designated by the Engineer or Owner
- F. Identify each digital image file
 - 1. Name of project
 - 2. Location of view
 - 3. Date and time of exposure

3.08 PROJECT RECORD

- A. Submit binder of stored CD, DVDs or USB drive containing digital photos for project record collated in chronological order of project with date heading for groups of photos
- B. Submit CD,DVD or USB drive of all photos, grouped by date and location.
- C. Engineer will distribute, after review
 - 1. One copy of each view to Owner
 - 2. One copy of each view to Engineer's file

END OF SECTION

SECTION 01410

TESTING LABORATORY SERVICES

PART 1 GENERAL

1.1 REQUIREMENTS INCLUDED:

- A. Contractor will employ and pay for the services of an Independent Testing Laboratory to perform specified testing and services described and/or called for within Section 01410.
- B. Employment of Testing Laboratory shall in no way relieve Contractor of his obligation to perform the Work in accordance with Contract Documents.
- C. Contractor shall cooperate with the Laboratory to facilitate the execution of its required services.
- D. Contractor will pay for additional samples and tests required for Contractor's convenience or when initial tests indicate that Work does not comply with Contract Documents.
- E. Respective Sections of Specifications: Certification of products.
- F. Where terms "Inspector" and "Testing Laboratory" are used, they mean and refer respectively to an officially designated and accredited Inspector of the NELAP Testing Laboratory and the Testing Laboratory employed by the Contractor.

1.2 RELATED WORK:

- A. Drawings and General Provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to the Work of this Section.
- B. Inspections and testing required by laws, ordinances, rules, regulations, orders, or approvals of public authorities.

1.3 QUALIFICATIONS OF LABORATORY:

- A. The 3rd Party Environmental Laboratory shall be certified by the National Environmental Laboratory Accreditation Program (NELAP).
- C. Authorized to operate in the state in which the project is located.

1.4 LABORATORY DUTIES AND RESPONSIBILITIES:

- A. Cooperate sampling activities with the Contractor
- B. Provide all sampling containers, sample bottles and sample preservatives necessary for each test performed.

- C. Provide manifest document papers with each sampling event and promptly notify the Contractor and Engineer of any violations of holding times or sampling handling conditions per EPA requirements. Manifest documentation should include:
 - 1. Date and time of sampling
 - 2. Sample collector
 - 3. List of tests to be conducted on sample
 - 4. Date and time of sample receipt (by the laboratory)
 - 5. Temperature of ice chest upon receipt
 - 6. EPA Test Method and person conducting the test
 - 7. Date and time of laboratory testing

- D. Provide preliminary test results to the Contractor and Engineer within 2 working days of sample receipt.

- E. Provide weekly test reports of all samples, results and manifest documentation to the Contractor and Engineer.

1.5 LIMITATIONS OF AUTHORITY OF TESTING LABORATORY:

- A. Laboratory is not authorized to:
 - 1. Release, revoke, alter or enlarge on requirements of Contract Documents.
 - 2. Approve or accept any Portion of the Work.
 - 3. Perform any duties of the Contractor.

- B. Work will be checked as it progresses, but failure to detect any defective work or materials shall not, in any way, prevent later rejection when such defect is discovered.

1.6 CONTRACTOR'S RESPONSIBILITIES:

- A. Cooperate with Laboratory Personnel

- B. Secure and deliver to the Laboratory adequate quantities of representational samples of materials proposed to be used and which require testing.

- D. Submittals and NELAP Certification by Testing Laboratory (when Lab is furnished by Contractor):

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

- 3.1 Third party laboratory shall conduct total suspended solids testing in accordance with EPA Method 1684. Samples may range in concentrations between 10 mg/L to 300,000 mg/L (30 % solids) with most samples ranging between 15% and 25% solids.

END OF SECTION

SECTION 01500

CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

PART 1 - GENERAL

1.01 SUMMARY

- A. Furnish, install and maintain temporary utilities required for project and remove on completion of work

1.02 RELATED DOCUMENTS

- A. Section 01900 – Division One Supplement

1.03 SUBMITTALS

- A. Site Plan, no smaller than 11"x17", showing temporary facilities and utility hookups

1.04 QUALITY ASSURANCE

- A. Comply with NFPA 70, NECA, NEMA, and UL standards and regulations for temporary electric service.
- B. Comply with Federal, State and local codes and regulations.
- C. Comply with utility company requirements. Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits
- D. The latest published edition of a reference shall be applicable to this Project unless identified by a specific edition date.
- E. All reference amendments adopted prior to the effective date of this Contract shall be applicable to this Project.

1.05 PROJECT SIGN

- A. The Prime General Contractor will erect on adequate supports and maintain one (1) neatly constructed and painted ¾" thick plywood sign of size, color, layout, and location as indicated in the Contract Documents. (example attached as Exhibit "B" at the end of Division 01 Section 01900)
- B. No other signs will be displayed on the job site without permission of the Professional unless the sign is associated with employee rights or safety. Any signs displaying advertisements are strictly prohibited.

PART 2 - PRODUCTS

2.01 GENERAL

- A. Materials may be new or used but must be adequate in capacity for the required usage, must not create unsafe conditions, and must not violate requirements of applicable codes and standards.

2.02 TEMPORARY ELECTRICITY AND LIGHTING

- A. Contractor shall provide installation of electrical service to any process equipment or pumps necessary to dewater the sludge lagoons. Electrical service shall be provided by portable fuel operated generators and appropriate switch gears, transformers and breakers
- B. Contractor shall provide installation of electrical service to CONTRACTOR's office trailer.
- C. CONTRACTOR shall pay costs for maintenance and service charges for any electrical or fuel associated with the electrical service needs.

2.03 TEMPORARY VENTILATION

- A. Provide temporary ventilation as required to maintain adequate environmental conditions to facilitate progress of the Work to meet specified OSHA requirements.
- B. Provide temporary ventilation, if necessary, to protect materials from damage due to temperature or humidity.

2.04 TEMPORARY WATER

- A. Make necessary arrangements for obtaining water for construction purposes in accordance with local standards and requirements. Potable water can be obtained from the three water spigots identified on the Drawings.

2.05 TEMPORARY SANITARY FACILITIES

- A. Make necessary arrangement for obtaining sanitary facilities for employees on the project site. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities. Contractor will also be responsible for providing proper wastewater disposal for the sanitary facilities.

2.06 TEMPORARY USE OF TREATED EFFLUENT FROM THE WWTP

- A. The Contractor may utilize the treated effluent from the WWTP for process washing operations or to assist in dredge operations. Treated effluent must be obtained upstream of the flow monitoring structure located just south of the WWTP.

2.07 TEMPORARY PUMPS

- A. Provide temporary pump for removal of sludge from the sludge lagoon, treated effluent (in needed), side-stream wastewater from any dewatering operations or stormwater that comes in contact with the wastewater sludge or wastewater.

2.08 PROJECT SIGN

- A. The Contractor shall coordinate the manufacture and erection of the Project Sign in accordance with Exhibit B in Section 01900

PART 3 - EXECUTION

3.01 GENERAL

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of Work.
- B. Provide each facility ready for use when needed to avoid delay, Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities
- C. Arrange with utility company, Owner, and existing users for time when service can be interrupted, if necessary, to make connections for temporary service.
- D. Maintain and operate systems to assure continuous service

3.02 TEMPORARY ELECTRICITY AND LIGHTING

- A. Provide electric power service and distribution system of sufficient size, capacity, and power characteristics required for the Project. Provide temporary lighting with local switching that provides adequate illumination for construction operations, observations, inspections, and traffic conditions.
 - 1. Install and operate temporary lighting that fulfills security and protection requirements.

3.03 TEMPORARY VENTILATION

- A. Provide temporary ventilation required by project activities. Coordinate ventilation requirements to produce ambient conditions required and minimize energy consumption.

3.04 TEMPORARY WATER

- A. Install water service and distribution piping in sizes and pressures adequate for project.

3.05 TEMPORARY SANITARY FACILITIES

- A. Provide temporary toilets, wash facilities, and drinking water for use by project personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.

3.06 TEMPORARY PUMPS

- A. Comply with requirements of authorities having jurisdiction. Maintain Project site free of water.
- B. Dispose of rainwater in accordance with the SWPPP and storm water permit.

END OF SECTION

SECTION 01570

TEMPORARY STORMWATER CONTROLS

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. Work under this section shall require the Contractor to prepare all necessary paperwork to comply with the Small Construction Storm Water General Permit (SCSWGP) as issued by the Mississippi Department of Environmental Quality. A copy of the permit can be found on the Mississippi Department of Environmental Quality (MDEQ) web site at www.mdeq.ms.gov.
- B. The Contractor shall be responsible for conducting all storm water management inspections, collecting samples, maintaining required records and preparing all necessary reports as required by the permit and the storm water pollution prevention plan (SWPPP).
- C. The Contractor shall also provide and maintain all Best Management Practices (BMP's) as shown on the Drawings.
- D. The Engineer shall be responsible for completing the Small Construction Notice of Intent (SCNOI) and developing a Storm Water Pollution Prevention Plan (SWPPP) based on the construction methods proposed to perform the Work required by this project.
- E. The Contractor shall provide a rain gauge at the site and record rainfall data for the site.

1.02 REGULATORY AGENCY INSPECTIONS

- A. The Contractor shall maintain all storm water permitting documents (copy of permit, SWPPP, sampling data, and inspection reports) available on-site at all times as required by the SCSWGP.
- B. The Contractor shall provide unfettered access to each and every regulatory agency.
- C. The Contractor shall be completely responsible for payment of each and every fine or penalty associated with the failure to maintain storm water BMPs or other conditions associated with the SCSWGP.

1.03 REFERENCE DOCUMENTS

- A. Small Construction Storm Water General Permit (MSR15)
<https://www.mdeq.ms.gov/permits/environmental-permits-division/types-of-general-permits/>
- B. The SWPPP prepared by the Contractor for this project.
- C. SWPPP Guidance Manual <https://www.mdeq.ms.gov/permits/environmental-permits-division/types-of-general-permits/>

- D. Field Manual for Erosion and Sediment Control
<https://www.mdeq.ms.gov/permits/environmental-permits-division/types-of-general-permits/>
- E. Other Storm Water Publications and Literature provided by MDEQ
http://www.deq.state.ms.us/MDEQ.nsf/page/NPS_Publications_Literature?OpenDocument
- F. Section 31 25 00 Erosion and Sediment Control.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

3.01 PETROLEUM PRODUCTS AND REFUELING

- A. Conduct the fueling and lubricating of equipment and motor vehicles in a manner that protects against spills and evaporation. Determine if used oil generated while on-site exhibits a characteristic of hazardous waste. Used oil containing 1000 parts per million of solvents will be considered a hazardous waste and disposed of at Contractor's expense. Used oil mixed with a hazardous waste will also be considered a hazardous waste.
- B. Oily and Hazardous Substances
 - 1. Prevent oil or hazardous substances from entering the ground, drainage areas, or navigable waters. Surround all temporary fuel oil or petroleum storage tanks with a temporary berm or containment of sufficient size and strength to contain the contents of the tanks, plus 10 percent freeboard for precipitation. The berm will be impervious to oil for 72 hours and be constructed so that discharge will not permeate, drain, infiltrate, or otherwise escape before cleanup occurs.
- C. Inadvertent Discovery of Petroleum Contaminated Soil or Hazardous Wastes
 - 1. If petroleum contaminated soil or suspected hazardous waste is found during project that was not identified in the contract documents, the contractor shall immediately notify the contracting officer. The contractor shall not disturb this material until authorized by the contracting officer.

3.02 FUEL TANKS

- A. Petroleum products and lubricants required to sustain up to 30 days of construction activity may be kept on site. Secondary containment shall be provided and be no less than 110 percent of the tank volume. If a secondary berm is used for containment then the berm shall be impervious to oil for 72 hours and be constructed so that discharge will not permeate, drain, infiltrate, or otherwise escape before cleanup occurs. Drips pans are required, and the tanks must be covered during inclement weather.

3.03 STORM WATER POLLUTION PREVENTION

- A. Contractor shall prepare a SWPPP based on the MDEQ guidance material described in Part 1 of this specification. The SWPPP shall be prepared to cover all potential sediment, erosion, and storm water pollution problems (inclusive of equipment maintenance activities, fueling operations and land disturbing activities) that may be encountered or created during the project. The BMPs shown on the Contract Drawings should be considered as suggestions based on the concept of the sludge dewatering operations. The actual BMPs required shall be based on the actual layout of the sludge dewatering facilities as determined by the Contractor.
- B. CONTRACTOR shall immediately take whatever steps are necessary to maintain existing erosion and sediment control structures and appurtenances in the condition as they existed on the date of the Notice to Proceed.
- C. CONTRACTOR shall construct all new erosion and sediment control structures and appurtenances as detailed on the plans in a manner that minimizes erosion from areas of the CONTRACTOR'S work.
- D. Should temporary erosion and sediment control measures employed by the CONTRACTOR fail to produce results which comply with the State and local enforcement requirements, CONTRACTOR shall immediately take whatever steps are necessary to correct the deficiency at his own expense.
- E. CONTRACTOR shall inspect all erosion and sediment control devices at least weekly and for each period of precipitation to ensure proper operation. Erosion and sediment control devices found not to be properly functioning, shall be immediately corrected.
- F. CONTRACTOR shall install silt fences, wattles, hay bales or other BMP methods for emergency storm water events as necessary. The Contractor will be compensated for all BMPs shown on the construction drawings only once. After initial payment, the Contractors maintenance and/or replacement of the BMPs shown on the construction drawings will be at the Contractors expense. Payment for BMPs used during construction that are not shown on the construction drawings will be at the Contractor's expense.
- G. CONTRACTOR shall conduct all Storm Water inspections as required by the SCSWGP SWPPP and record the results of the inspection on a form provided in the SWPPP.
- H. CONTRACTOR shall maintain an on-site location to store and keep copies of the following documents:
 - 1. Copy of the SCSWGP
 - 2. Copy of the SWPPP prepared by the Contractor
 - 3. Copy of all water inspection reports
 - 4. A minimum of 50 feet of silt fence, 20 feet of wattles, and 6 bales of hay on-site at all times for emergency storm water repairs.

3.04 REGULATORY REPORTING

- A. The CONTRACTOR shall provide unfettered access to all regulatory agency that may visit the site.

- B. The CONTRACTOR shall be responsible for payment of all fines and/or penalties associated with the failure to comply with storm water management practices.

END OF SECTION

SECTION 01590

FIELD OFFICES AND SHEDS

PART 1 GENERAL

1.1 REQUIREMENTS

- A. The CONTRACTOR shall furnish, install and maintain temporary field office space for the Contractor for the entire duration of the construction period.
- B. Do not use mobile trailers for living quarters at the job site.

1.2 REQUIREMENTS FOR FACILITIES

- A. Construction
 - 1. Structurally sound, weathertight, with floors raised above ground.
 - 2. At CONTRACTOR's option, portable or mobile buildings may be used. Mobile trailers, when used, shall be modified for office use.

B. The Contractor Field Office shall be adequately sized to accommodate typical administrative and record keeping activities. At a minimum, the Contractors field office shall include the following:

- 1. Area adequate for administrative and record keeping activities.
- 2. Electricity, lighting and temperature control.
- 3. Telephone service.
- 4. A meeting room, table and chairs large enough to accommodate eight people.

- C. Services

The CONTRACTOR shall make all provisions and pay all installation fees, permitting fees, and other costs for the Field Office in order to provide power, water, sewer, telephone service, internet service, and exterior lights at the project site.

1.3 USE OF PERMANENT FACILITIES

- A. Permanent facilities shall not be used for field offices or for storage.

PART 2 PRODUCTS

2.1 MATERIALS, EQUIPMENT, FURNISHINGS

- A. May be new or used, but must be serviceable, adequate for required purpose, and must not violate applicable codes or regulations

PART 3 EXECUTION

3.1 PREPARATION

- A. Fill and grade sites for temporary structures to provide surface drainage.
- B. Obtain any necessary permits and approvals prior to installation.

3.2 INSTALLATION

- A. Locate construction office facilities at the location acceptable to the OWNER/ENGINEER within the project area.
- B. Construct temporary field offices per local governing code:
 - 1. Provide proper foundation.
 - 2. Secure portable or mobile buildings when used.
 - 3. Install wooden stairs, 5' x 5' platform, handrails at each exterior door.
 - 4. Provide hurricane tie-downs.
 - 5. Satisfy all other local requirements.
- C. Provide connections for utility services.
- D. Have office equipped and ready for use 15 days before work begins at the site.

3.3 MAINTENANCE AND CLEANING

- A. Maintain office in first class condition for the duration of the project. Furnish, replace and replenish light bulbs, toilet paper, paper towels, soap and other items required to maintain the office in a clean condition.

3.4 REMOVAL

- A. Remove field offices, contents, foundation and debris, grade site to required elevations and clean the areas within 15 days after Final Completion.

END OF SECTION