

SECTION 02 61 00

SOIL REMEDIATION

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions, apply to this Section.

1.2 SUMMARY

- A. The site contains localized areas of metal, petroleum, and potential chlorinated solvent contaminated soil. During this work the Contractor shall excavate about 200 cubic yards of contaminated soil from three investigation areas of concern (AOC) and transport removed soil for offsite for disposal at an appropriately permitted waste facility.
  - 1. Groundwater may be encountered at 12 to 15-feet below ground surface.
  - 2. The soil remediation work does not include a groundwater investigation or remediation.
  - 3. Contractor shall be responsible for waste profiling, transport, and disposal.
- B. Yakima Housing Authority (the Owner) has designated Fulcrum Environmental Consulting, Inc. (Fulcrum) to coordinate required soil remediation monitoring, observe excavation work tasks, determine excavation extents, collect confirmation sample soil samples, collect stockpile waste characterization samples, interpret analytical results, and conclude investigation findings associated with the work as required for the Washington State Department of Ecology (Ecology) grant process.
- C. Background: Multiple *Recognized Environmental Conditions* identified during a Phase I Environmental Site Assessment (ESA) were subsequently investigated and three AOC were determined to have contaminant concentrations above the WAC 173-340: Model Toxic Control Act (MTCA) cleanup level (CUL). Under the Ecology grant a Soil Remediation Work Plan, Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) have been developed for this project. See the reports referenced in Section 02 81 00 for additional detail.
- D. The soil remediation work is summarized by AOC for purposes of stockpiling, waste characterization, and disposal. Refer to the figure located at the end of Section 02 81 00 for the general location of the three AOCs:
  - 1. AOC 1: Sump and Southwest Area. The interior sump contents, the concrete sump, the piping connecting to the public sewer line, and the soil surrounding the sump and southwest area of the Joe's Grinding building are included in AOC 1 remediation.
    - a. The sump is located within the parts washing addition and is constructed of concrete with a metal grate cover. The sump is about 3 feet wide by 6 feet long by 3 feet deep and is nearly full of sediment.
    - b. The sump has two discharge pipes that appear to connect to the public sewer line located south of the building. One pipe dis-

- charges from the west side of the sump and the other pipe discharges from the south side of the sump. Refer to the drawings and related specification sections for work near public utilities and coordination with, repairing, removal or capping of lateral utility lines.
- c. Analytical results from the sump and surrounding soil indicated that diesel, heavy oil, gasoline, lead, chromium and associated volatile organic compounds (VOC) are the primary contaminants of concern.
  - d. The sump sediment total lead concentration was 9,960 milligrams/Kilogram (mg/Kg) and had a predicted leachable lead concentration above the WAC 173-303 Dangerous Waste threshold. For bidding purposes, the Contractor shall assume the sump contents will require disposal as dangerous waste and shall profile and dispose of the sump sediment waste separate from soil excavated from the AOC.
  - e. Contractor shall remove the sump contents and the sump, then excavate about 6-inches beyond the visually contaminated soils. The initial excavation is estimated to extend approximately 20-feet by 20-feet laterally with the perimeter expected to be about 6-inches to 1-foot in depth and extend to about 7-feet in depth beneath the sump and stockpile the soil on either asphalt or in permeable surfaced areas a minimum 6-mil plastic sheeting pending Fulcrum waste characterization sampling and analysis. All contaminated soil stockpiles shall be covered with 6-mil plastic..
  - f. Fulcrum will collect soil samples of the excavation extent and submit for laboratory analysis. Contractor shall anticipate about a 7-business day turn-around on laboratory analysis.
    1. If analytical results above the MTCA CUL are identified, the Contractor shall complete additional excavation by extending the perimeter walls outward by about 5-feet and extending the depth to about 10 feet.
    2. Fulcrum will collect additional confirmation samples from the excavation extents. Contractor shall anticipate about a 7-business day turn-around on laboratory analysis.
  - g. The Contractor shall not backfill the excavation until Fulcrum has received and reviewed all the analytical results and has authorized the AOC 1 area to be backfilled.
  - h. For bidding purposes, the Contractor shall assume the excavated soil from AOC 1 will contain contaminant concentrations above the MTCA CUL but below the dangerous waste thresholds.
  - i. Following receipt of waste characterization analysis Contractor shall complete waste profiling, offsite transport, and disposal of stockpiled soils at an appropriately permitted landfill.
2. AOC 2: Sub-slab Area. The sub-slab area is the soil located beneath the Joe's Grinding building concrete floor slab.
- a. Contractor shall complete demolition of the overlying building and remove the building demolition debris, before removing the building floor slab.

- b. Contractor shall carefully remove the Joe's Grinding building floor slab in such a manner as to avoid unnecessary mixing with underlying site soils. For purposes of bidding the Contractor shall assume that the removed concrete floor slab materials will characterize as solid waste.
  - c. Analytical results from soil vapor sampling collected below the floor slab indicate that petroleum products, benzene, chloroform, naphthalene, 1,1,2,2-Tetrachloroethane, tetrachlorethylene (PCE), trichloroethylene (TCE) are the primary contaminants of concern. Vapor analysis suggested that the contaminants of concern may be identified in site soils above the MTCA CUL. However, soil concentrations have not been determined.
  - d. The Contractor shall excavate about 1-foot of soils immediately underlying the floor slab to an extent of about 2-feet beyond the floor slab perimeter and stockpile the soil on either asphalt or in permeable surfaced areas a minimum 6-mil plastic sheeting pending Fulcrum waste characterization sampling and analysis. All contaminated soil stockpiles shall be covered with 6-mil plastic.
  - e. Fulcrum will collect soil samples of the excavation extent and submit for laboratory analysis. Contractor shall anticipate that about a 7-business day turn-around on laboratory analysis.
    - 1. If analytical results above the MTCA CUL are identified, the Contractor shall complete additional excavation by extending the excavation depth about 3 feet across the entire floor slab area, or in localized areas as identified by Fulcrum.
    - 2. Fulcrum will collect additional confirmation samples from the excavation extents. Contractor shall anticipate about a 7-business day turn-around on laboratory analysis.
  - f. The Contractor shall not backfill the excavation until Fulcrum has received and reviewed all the analytical results and has authorized the AOC 2 area to be backfilled.
  - g. For bidding purposes, the Contractor shall assume the excavated soil from AOC 2 will contain contaminant concentrations above the MTCA CUL but below the dangerous waste thresholds.
  - h. Following receipt of waste characterization analysis Contractor shall complete waste profiling, offsite transport, and disposal of stockpiled soils at an appropriately permitted landfill.
3. AOC 3: Sandblasting Discharge area. AOC 3 is located southeast of the Joe's Grinding building.
- a. Analytical results from AOC 3 indicated that heavy oil, lead, and chromium are the primary contaminants of concern.
  - b. Contractor shall remove the spent sandblasting media, then excavate about 1-foot beyond the visually contaminated blasting media. The initial excavation is estimated to extend approximately 10-feet by 50-feet laterally to about a 1-foot in depth and stockpile the soil on either asphalt or in permeable surfaced areas a minimum 6-mil plastic sheeting pending Fulcrum waste characterization sampling and analysis. All contaminated soil stockpiles shall be covered with 6-mil plastic.

- c. Fulcrum will collect soil samples of the excavation extent and submit for laboratory analysis. Contractor shall anticipate that about a 7-business day turn-around on laboratory analysis.
    1. If analytical results above the MTCA CUL are identified, the Contractor shall complete additional excavation by extending the excavation depth about 2 to 3 feet in depth.
    2. Fulcrum will collect additional confirmation samples from the excavation extents. Contractor shall anticipate about a 7-business day turn-around on laboratory analysis.
  - d. The Contractor shall not backfill the excavation until Fulcrum has received and reviewed all the analytical results and has authorized the AOC 3 area to be backfilled.
  - e. For bidding purposes, the Contractor shall assume the excavated soil from AOC 3 will contain contaminant concentrations above the MTCA CUL but below the dangerous waste thresholds.
  - f. Following receipt of waste characterization analysis Contractor shall complete waste profiling, offsite transport, and disposal of stockpiled soils at an appropriately permitted landfill.
4. Soil disposal locations is restricted to landfills permitted to accept project waste.
  5. Comply with the Yakima Regional Air Control Agency (YRCAA) Dust Control Plan and use water and amended water to prevent generation of airborne dust.
  6. Comply with the approved Stormwater Pollution Prevention Plan (SWPPP) and maintain stormwater controls to prevent erosion of soils.
  7. Notify all site workers of elevated concentrations of contaminants in site soil.
  8. Establish minimum training requirement for workers that will disturb site soils.
- E. Soil Sampling: Where Fulcrum determines soil samples are to be collected from AOC areas, or stockpiles pending disposal, or other purposes, the following shall apply:
1. Contractor shall anticipate 7-business days between sample collection and receipt of analysis from each sample collection event.
  2. The Fulcrum shall provide the Contractor with a memorandum and attached analytical results summarizing the sampling event and conclusions 7-business days following the sample collection event.
  3. This time shall not be the basis for a Contractor change order or delay claim.
- F. Soil Remediation Stockpiles: Sample collection for waste characterization purposes will be facilitated by Fulcrum and will meet the Washington State Dangerous Waste (WAC 173-303) requirements.
1. Any additional waste characterization required by the receiving landfill and/or local health jurisdiction will be the Contractor's responsibility.
  2. Except for the sump contents in AOC 1, the Contractor shall anticipate that the stockpiles will characterize as special waste and will require disposal at a permitted landfill. Special waste is not dangerous waste but may require review and approval by the local health jurisdiction and acceptance by the receiving landfill prior to offsite transport.

3. The soil shall be exported for disposal at an appropriately permitted land-fill site. The Contractor shall provide bills of lading or load tickets documenting the final disposition of exported stockpiles and identifying the stockpile origination and volume.
  4. Resale or reuse of export soil for offsite land application, topsoil, fill, or similar uses is strictly prohibited.
- G. Confirmation Sampling: The Contractor shall assist Fulcrum collect soil samples of stockpiles and from excavation extents. Contractor shall anticipate the following:
1. Schedule access and facilitate collection of soil samples from the AOC excavations and associated stockpiles.
  2. Assist Fulcrum as needed to collect soil samples which could include retrieving backhoe bucket sample collection from excavations over 4-foot in depth.
  3. Coordinate and provide documentation of Contractor remedial activities as identified in this specification.
- H. Health and Safety: Contractor is advised that heavy metals, petroleum products, VOCs, and potentially other contaminants are present in site soils. Contractor shall assume full responsibility for compliance with applicable federal, state and local regulations pertaining to work practices, hauling, disposal and protection of workers, visitors to the site, and persons occupying areas adjacent to the site. Contractor shall ensure that its site-specific Worker Protection Plan incorporates and complies with health and safety requirements under applicable federal, state, and local laws and regulations applicable to these constituents and is implemented as written.
- I. Permits, Licenses, and Notifications: Contractor shall secure all necessary permits, licenses, and notifications for handling, removing, and disposing contaminated soil generated during construction activities and post all notices required by applicable federal, state, and local regulations at the jobsite, where necessary.

### 1.3 SUBMITTALS

- A. Pre-Work Submittals: The following items shall be submitted to Fulcrum and accepted in writing at least 10-business days prior to commencing soil impacting activities:
1. Dust Control Plan: The National Emission Standard for Hazardous Air Pollutants (NESHAP) regulation prohibits visible emissions leaving the site and is administered by the YRCAA. Contractor shall complete and submit a YRCAA compliant Dust Control Plan to Fulcrum prior to project initiation.
  2. Worker Protection Plan: Prior to construction activities, the Contractor shall develop a Worker Protection Plan that complies with health and safety requirements under applicable federal, state, and local laws and regulations. The following elements are required to be addressed in the Worker Protection Plan:
    - a. Site Occupant Notification and Awareness Level Training: Contractor shall include a requirement to provide training to all employees, sub-tier Contractors, sub-tier Contractor's employees, and other site occupants who may impact contaminated site soils.
    - b. HAZWOPER Supervisor: Consistent with WAC 296-843-20015, Contractor shall include provisions for at least one valid 48-hour

- Hazardous Waste Operations Emergency Response (HAZWOPER) trained Supervisor to be onsite during contaminated soil impacting activities. The HAZWOPER Supervisor shall have an onsite or supervisory role, including stop work authority, during all portions of the work covered by this Section.
- c. Employee Exposure Assessment: Contractor shall include a written description of the method(s) of assessing worker exposure, types of monitoring, and site-specific criteria that will be utilized to determine if worker protection measures are adequate.
  - d. Personal Protective Equipment: Contractor shall include a written description of the appropriate type of personal protective equipment (PPE) that will be utilized for the various contaminated soil impacting activities.
  - e. Decontamination: Contractor shall include a written description of planned worker or equipment decontamination procedures, location, and plan for characterization and disposal of any decontamination wastes generated.
3. Storm Water Pollution Prevention Plan (SWPPP): Specific elements of the SWPPP identified in other specification sections overlap with provisions of this Section 02 61 00 Soil Remediation. Provide a copy of the SWPPP required by other sections. Contractor compliance with erosion control requirements identified in the SWPPP and drawing sheets is integral to compliance with this Section.
  4. Soil Disposal Plan: Contractor shall submit a plan for contaminated soil disposal. Soil export shall be prohibited until waste disposal has been authorized by the local health jurisdiction and the receiving landfill. Contractor's plan shall include the name(s) of the proposed disposal facilities and the class of exported soil they are permitted to accept.
- B. Work-In-Progress Submittals: Contractor shall have the following documentation onsite, including work-in-progress submittals, available for review by Fulcrum during the project. All work-in-progress submittals shall be included with other post-work submittals.
1. Daily Logs: For each shift the Contractor is onsite and completing contaminated soil impacting tasks, a daily work log (Supervisor's report) shall be completed.
  2. Air Monitoring Records: All personal and area air monitoring shall be available for the Fulcrum's review daily. Analytical results of samples collected by the Contractor are required to be submitted to the Fulcrum for review within 72 hours of sampling period completion.
  3. SWPPP Inspection Reports. Copies of daily SWPPP inspection reports and copies of Ecology Construction Stormwater Inspection Checklists shall be forwarded to Fulcrum on a weekly basis.
  4. All worker certification and training documentation.
  5. Quantity of exported soil summarized by waste characterization, classification, and final disposition.
- C. Post-Work Submittals: Contractor shall submit post-work project documentation to Fulcrum within 10-business days of substantial completion of soil capping activities. Post-work submittals must be received and approved by Fulcrum prior to final project payment. Post-work documentation shall include all the items identified in Section 1.3 B and:

1. Landfill disposal receipts, bill of ladings, manifests or uniform hazardous waste manifests as applicable documenting the location of all contaminated soil exported from the site.

## PART 2 GENERAL

### 2.1 MATERIALS

- A. Materials: Materials used for the implementation of Soil Remediation have been identified on project drawings and in the applicable specification sections.
- B. Confirmation Sampling: Fulcrum shall complete sampling of excavation extents and soil stockpiles.
- C. Export Soil: Resale or reuse of export soil for offsite land application, topsoil, fill, or similar uses is strictly prohibited.
  1. Fulcrum will complete waste characterization sampling, analysis, and reporting for identified soil contaminants. Contractor shall provide and complete additional testing if required by the receiving landfill.
  2. All soil exported from the site shall be disposed of in an appropriately permitted facility. Refer to section 3.5 B for additional information on soil export process, condition, restrictions, and waste characterization.

## PART 3 EXECUTION

### 3.1 SUMMARY

- A. The Contractor is required to implement onsite practices necessary to prevent wind or water erosion, contaminant migration, worker exposure, and establish site management controls for prevention of exposure to future site occupants. The site is bordered by multi-family housing.
- B. Contaminant Location: Contractor shall assume that all AOC site soils contain heavy metal, petroleum and VOC. Contractor shall delineate all areas where contaminated soil is stockpiled and maintain delineation until such time as the contaminated soil stockpile is removed from the site. These areas shall be clearly identified in the field using distinct flagging or other equivalent methods approved by Fulcrum (e.g., fencing).
- C. Stop Work: Should a violation of this specification, the Dust Mitigation Plan, the SWPPP, any related permit requirement, or any element in Contractor submitted plans be identified, Contractor shall be required to immediately implement corrective action(s). Should Contractor implemented corrective action be determined to be ineffective, Contractor shall stop work until an effective corrective action is developed. Contractor delay or stop work cost due to ineffective implementation of this specification, the Dust Control Plan, the SWPPP, any related permit requirement, or any element in the Contractor submitted plans shall be the responsibility of the Contractor.

### 3.2 PREPARATION

- A. Drawings: Review the drawings and specifications for requirement and information that is applicable to soil remediation.

- B. Pre-Construction Meeting: The Contractor shall conduct a soil remediation pre-construction meeting with all soil-disturbing subcontractors; Owner Construction Manager; and Fulcrum in accordance with requirements of the special conditions. During this meeting the contents of Section 02 61 00 - Soil Remediation, and the Contractor's developed plans shall be reviewed.
- C. Soil Remediation Changes: Contractor may propose suggested revisions to Section 02 61 00 Soil Remediation requirements as necessary to address potential changes that may need to occur during construction where such changes will have no additional cost to the Owner. Fulcrum will review proposed suggestions in conjunction with site remediation restrictions, the Owner, and regulatory agencies as needed prior to issuing either an acceptance or rejection of suggested changes.

### 3.3 SCHEDULING OF WORK TASKS

- A. Fulcrum Notification: Contractor shall coordinate and schedule AOC excavation work tasks and stockpile sampling with Fulcrum. At a minimum, Contractor shall notify Fulcrum 3-business days prior to anticipated work task to schedule Fulcrum's access and presence during soil excavation activities.
- B. Analytical Results: Contractor shall anticipate up to 7-business days between sample collection event and receipt of analytical results and 7-business days for memorandum summarizing interpretation of analytical results. The time required to obtain necessary sampling results shall not be the basis for a Contractor change order or delay claim. Should re-sampling following additional excavation or additional analysis be required, Contractor shall anticipate additional time to obtain sampling results.

### 3.4 PREPARATION OF AREAS

- A. Removal of Uncontaminated Materials: Prior to impacting AOC contaminated soil, non-contaminated site features, like fencing, building components, etc. may be removed consistent with requirements in other sections of the specifications.
- B. If Contractor comingles uncontaminated materials with contaminated materials during removal, then the comingled materials shall be considered contaminated and shall require offsite disposal. Additional disposal volume and cost associated with comingled materials resulting from Contractor elected means and method shall not be considered a basis for a change request.
- C. Warning signs should be posted at all entrances to the AOC portion of the site prior to the removal of contaminated soil. These signs shall state the following: "Soil at this site is known to contain heavy metals, petroleum products and volatile organic compounds. Workers are instructed to wash hands before smoking or eating." Warning signs shall be posed at areas where they can be clearly visible from a minimum of 20 feet so that personnel may read the signs and take the necessary protective steps required before entering the area. Postings shall be in English and Spanish and in any language used by any of the Contractor's or subcontractor's employees as the primary language of communication.
- D. Prior to soil remediation, Contractor shall complete the required public and private utility locates and coordinate disconnection of utilities or other site features that may be impacted during the work.
- E. Unanticipated Environmental Conditions: If unanticipated environmental issues are encountered, Contractor shall cease soil remediation work in the area where



the unanticipated environmental condition was found, identify and mark the potentially affected area, cover the area to prevent employee exposure, surface water runoff or migration of hazardous materials, and contact Fulcrum immediately. Unanticipated environmental issues may include:

1. Underground storage tanks (USTs)
2. Buried drums and/or containers storing hazardous materials
3. Stained soil areas
4. Buried septic systems, vaults, and trenches
5. Groundwater wells
6. Hazardous materials associated with construction debris (e.g. asbestos)
7. Other suspect hazardous materials

### 3.5 EXPORT SOIL

- A. Contaminated Soil shall initially be staged onsite pending Fulcrum's waste characterization and disposal approval by the local health jurisdiction and receiving landfill.
- B. Contractor shall anticipate the following conditions, limitations and restrictions associated with export soil stockpiling:
  1. Contractor shall notify the Fulcrum that the AOC contaminated soil stockpile is ready for export and all disposal approvals have been received. Contractor shall provide record of all disposal approvals to Fulcrum for review.
  2. Fulcrum shall complete a review of the stockpile volume and the associated waste disposal approvals and indicate if the documentation is complete.
  3. All soil exported shall be disposed of in an appropriately permitted waste facility. Disposal of soil that contains contaminants above the MTCA CUL and classifies as special waste will be restricted to disposal at a licensed and permitted facility.
- C. Contractor shall export stockpiles to the proposed applicable disposal facility based on the waste characterization determination and applicable land disposal restrictions (LDRs). Contractor shall comply with all requirements under applicable federal, state, and local law with respect to packaging, transport, and disposal of contaminated materials.
  1. Review and acceptance by the local health jurisdiction, Ecology, or other regulatory agency may be required prior to disposal at a permitted landfill facility.
  2. At a minimum soil exported as special or solid waste shall be transported in fully covered vehicles. Total volume exported shall be tracked on manifest and accompanying weight tickets. Weight tickets shall be available for work-in-progress review. A copy of the soil export manifest or tickets shall be submitted to the Fulcrum as a portion of post-work submittals.
  3. Fulcrum will review Contractor's written request for alternate disposal location, provided that the proposed alternate disposal location is permitted to accept the waste as characterized. However, Owner reserves the right to select the disposal location.
- D. If localized areas of buried materials or other non-soil debris are discovered, Contractor shall stop work and notify Fulcrum. Fulcrum shall review the material to determine if and where offsite transport and disposal shall occur.

### 3.6 MONITORING REQUIREMENTS

- A. Contractor shall complete air sampling as required by Washington State Department of Labor & Industries, Division of Occupational Safety and Health (DOSH) regulations and the accepted Contractor Worker Protection Plan.
- B. In addition to monitoring required under DOSH regulations, Contractor shall record daily observations of effectiveness of dust suppression methods as identified in the Contractor submitted Dust Control Plan and the effectiveness of storm water mitigation as identified in the SWPPP.
- C. Contractor shall daily inspect the engineering controls (e.g., temporarily stabilized site soils, cover over impacted soils, etc.) during soil remediation to verify that they continue to meet the requirements for cover listed above. Contractor shall maintain and/or repair any control that no longer meets these requirements.

### 3.7 INSPECTION

- A. Site Inspection: While performing work, the Contractor shall be subject to onsite inspection by the Fulcrum who may be assisted by environmental, safety, or health personnel. If work is found to be in violation of this specification, as determined by Fulcrum, the Owner shall issue a stop work order that is in effect immediately and shall remain in effect until the violation is resolved. Standby time and any additional monitoring and laboratory analyses required to resolve, and document violation resolution shall be at the Contractor's expense.
- B. Excavation Observation and Sampling Events: If Fulcrum is requested by the Contractor to be present to observe excavation work tasks or complete a sampling event and arrives to find the site not ready for the task, the Contractor will be responsible for all expenses incurred by Fulcrum. This will include all travel time, onsite time and expenses resulting from the delay.
- C. Final Inspection: If Fulcrum is requested by the Contractor to perform a final inspection and arrives to find the site not ready for inspection, the Contractor will be responsible for all expenses incurred by Fulcrum. This will include all travel time, onsite time and expenses resulting from the delay.

### 3.8 WASTE DISPOSAL

- A. Landfill Criteria for Solid or Special Waste. Transport and dispose of solid or special waste at an approved facility permitted under 40 CFR Subchapter I and Resource Conservation and Recovery Act (RCRA) Subtitle D to accept solid or special waste. For heavy metal, petroleum and VOC contaminated soil that does not characterize as dangerous waste, the solid waste facility must also be permitted to accept soil containing the contaminants identified. Contractor shall assume full responsibility for and include the cost of approvals, discretionary packaging methods, additional waste characterization, transport, and disposal of all soil remediation related materials and debris regardless of waste characterizations results.
  - 1. Solid or Special Waste Disposal Documentation. Utilize a shipping manifest to document appropriate disposal of solid or special waste. The manifest shall include the name and address of the receiving facility and quantity of waste disposed of at the landfill or treated at the facility.
- B. Landfill Criteria for Dangerous Waste. Transport and dispose of waste that characterizes as dangerous waste at an approved RCRA Subtitle C disposal site. All

dangerous waste shall be disposed at a facility permitted under 40 CFR Subchapter I and RCRA Subtitle C to accept dangerous waste. Contractor shall assume full responsibility for and include the cost of alternate packaging methods, additional waste characterization, transport, and disposal of all soil remediation related materials and debris regardless of alternate waste characterizations results.

1. Dangerous Waste Disposal Documentation. Prior to shipping dangerous waste, Contractor shall assist Owner's Representative and Owner to obtain an Environmental Protection Agency (EPA) Identification number for the site. Contractor shall utilize a uniform hazardous waste manifest (UHWM) to document appropriate disposal of dangerous waste. The manifest shall include the name and address of landfill and quantity of waste disposed of at the landfill and shall be signed by all applicable transporters and facilities, including the final disposal location.

END OF SECTION