

SECTION 01574

ENVIRONMENTAL CONTROL SUPERVISOR

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Description of the responsibilities of the Contractor's Environmental Control Supervisor (ECS) to monitor and document environmental mitigation and compliance on the project.

1.2 RELATED SECTIONS

- A. Section 01355: Environmental Protection
- B. Section 01571: Temporary Environmental Controls

1.3 REFERENCES

- A. Storm Water Pollution Prevention Plan (SWPPP)

1.4 SUBMITTALS

- A. Submit to the Engineer, certification that the Contractor's proposed ECS has attended and passed the examination for UDOT's Environmental Control Supervisor Training. Contact the UDOT Environmental Section for more information.
- B. Submit a NOI and a NOT to the Division of Water Quality at the Department of Environmental Quality (DEQ) as described under Article 3.3.
- C. Submit Storm Water Pollution Prevention Plan (SWPPP) inspection reports to the Engineer within 24 hours of the inspection in accordance with Article 3.4.

1.5 ECS QUALIFICATIONS

- A. Attend UDOT's Environmental Control Supervisor Training and pass the examination.
- B. Knowledge of erosion control principles and best management practices for roadway construction sites.
- C. Knowledge of the laws surrounding environmental clearances and how to obtain these clearances required under Section 01355.
- D. Be sufficiently knowledgeable to understand the significance and implementation of environmental plans, details, and specifications.

1.6 NON-PERFORMANCE

- A. Damages are assessed against the Contractor for non-performance in the amount of \$500.00 for each calendar day, or portion thereof, the project is not in compliance with all required permits and regulations. If the Contractor remains not in compliance after three days, the damages assessed are increased to \$1,000 per day and increased to \$1,500 per day after seven days. Add fines issued by the regulatory agencies against the Department to the damages assessed to the Contractor.
- B. No extension of contract time allowed for any project delay resulting directly or indirectly from a violation of project environmental requirements.

PART 2 PRODUCTS Not used

PART 3 EXECUTION

3.1 GENERAL RESPONSIBILITIES

- A. Successful implementation of all environmental protection commitments and the correct installation of environmental mitigation measures associated with the project.
- B. Keep the project in environmental compliance.
- C. ECS responsibilities take precedence over any other work commitments.

- D. Obtain environmental clearances in accordance with Section 01355 for disturbances, waste sites, staging areas, for example not provided in the Contact.
- E. Be available at all times (24-hours a day) during the active project construction to respond as necessary to environmental compliance and to the direction of the Engineer. Be available as needed during seasonal shutdowns.

3.2 REGULATORY AGENCY COORDINATION

- A. Work through the Engineer to maintain coordination and communications between the Contractor, Department, and Regulatory Agencies. Process all official communication through the Engineer.
- B. Coordinate and conduct on-site meetings on an as-needed basis with Regulatory Agency Inspectors. This could include Regulatory Inspectors from the Utah Division of Water Quality, Utah Division of Water Rights (Stream Alterations), U.S. Army Corps of Engineers (wetlands), and U.S. Fish and Wildlife Service.
- C. Notify the Engineer in writing of the results of any agency coordination meeting within 24-hours.

3.3 UTAH POLLUTION DISCHARGE ELIMINATION SYSTEM (UPDES) PERMIT COMPLIANCE

- A. Prepare and submit a Notice of Intent (NOI) for Storm Water Discharges with Construction Activity. NOI forms can be completed online at Division of Water Quality website. Refer to <http://www.udot.utah.gov/index.php/m=c/tid=719>.
- B. Do not start earth-disturbing activities until the completed and signed NOI form has been submitted to the Division of Water Quality at the DEQ.
- C. Work directly with the Department SWPPP coordinator designated by the Engineer.
- D. Place temporary or permanent stabilization measures (for example, mulch, erosion control blankets) as soon as practicable but in no case longer than 14 days unless construction activities resume on that portion of the site within 21 days when activity ceased. If snow cover precludes the mulch placement, apply as soon as practicable. Seasonal shutdowns require that mulch be placed for all disturbed portions of the project.

- E. Do not start earth disturbing work until project perimeter temporary erosion measures and those protecting environmentally sensitive areas are in place and approved.
- F. Understand that the erosion control measures on the SWPPP are diagrammatic and must be adapted in the field to meet their intended purpose. As the project progresses through the various construction phases, implement the appropriate erosion control measures for that stage. Make necessary changes to the SWPPP to accommodate construction sequencing.
- G. Obtain approval from the Engineer to make changes to the SWPPP. Install additional erosion control measures as directed by the Engineer.
- H. Be available as needed to coordinate the SWPPP, make necessary changes, inspect, maintain sediment control devices, and resolve other sediment and erosion control issues.
- I. Monitor earthwork during construction to detect any evidence of the start of erosion. Pro-actively apply corrective measures.
- J. Apply the appropriate maintenance of temporary erosion controls. Refer to Section 01571.
- K. At the end of construction, submit a Notice of Termination (NOT) form to the Division of Water Quality to terminate the permit. NOT forms can be obtained at the DEQ or UDOT.

3.4 SWPPP INSPECTIONS

- A. At the commencement of earth moving activity, start performing inspections of all temporary erosion control measures a minimum of once every seven calendar days and within 24 hours after any storm event greater than 0.5 inch. Conduct inspections a minimum of once per month when construction site activities are temporarily or seasonally shut down
- B. Invite UDOT's SWPPP coordinator appointed by the Engineer to the inspections.
- C. After each inspection, complete an inspection report and submit it to the Engineer within 24 hours. Include the following information:
 1. Names of personnel attending the inspection.
 2. Date of inspection
 3. List of problems identified in the previous inspection and document if corrections have been made.
 4. List by station, earth-disturbing activities since previous inspection.

5. List by station, erosion and sediment control measures installed since previous inspection.
6. List by station, new and unresolved problems encountered with specific erosion control measures and describe solutions to be implemented.

END OF SECTION