EROSION PREVENTION AND SEDIMENT CONTROL PLAN GENERAL NOTES

1. CONTRACTOR'S RESPONSIBILITIES FOR EROSION PREVENTION AND SEDIMENT CONTROL

a. Prevent or minimize soil erosion of disturbed land and prevent the discharge of sediment and other construction related pollutants to waters of the State.
b. Furnish, install, inspect and maintain erosion and sediment control materials in conjunction with the general clearing, grading and excavation of the site.
c. Establish limits of soil disturbance; location(s) of topsoil stockpiles; construction staging areas; storage areas; refueling and maintenance areas.
d. Establish and mark boundaries for any undisturbed riparian buffer zones and maintain all existing streams and riparian buffer zones in their natural condition.
e. Locate areas for disposal of stumps, excess soils and collected sediment and other pollutants, and dispose of these materials in a manner that will not result in sediments and pollutants entering waters of the State.
f. Sequence construction activities to minimize the extent of disturbed soils left open to erosion at any given time as detailed in the construction phasing and erosion and sediment control plans.
g. Avoid all land disturbances within 50 feet of all water bodies, measured from the top of bank, and wetlands, except where necessary for the reconstruction of existing roads and the construction of bridges, stream crossings, and components of stormwater management systems which by necessity must be located in this zone.
h. Maintain and preserve to the extent possible the site's natural drainage ways that convey stormwater to streams, rivers, lakes, ponds and wetlands.
i. Prevent off-site stormwater from entering areas of disturbed soil on-site.
j. Prevent the off-site discharge of sediment mobilized on the construction site, including off-site tracking of sediment onto paved public or private roadways by construction vehicles.
k. Dispose of sediments and other pollutants which have been collected and removed in the course of stormwater treatment in a manner that will not result in the sediments and pollutants entering waters of the State. Disposal sites require relatively level terrain with an isolation distance of at least 100 feet from any surface waters, including wetlands.

2. LIMITATIONS AND PROHIBITIONS

a. The contractor shall schedule earthwork completion, site stabilization, establishment of perennial cover and installation of non-vegetative protection measures no later than October 15. To assure establishment of vegetated cover, seeding and mulching activities shall be completed by September 15.

   For projects extending beyond October 15, limit exposure of soils and minimize additional earthworks. Any proposed soil disturbance and earthworks between October 15 and May 1 will require development of a special winter erosion and sediment control plan addressing the specific concerns of winter construction. This plan must be filed with, and approved by, the permitting authority by September 15. If it is determined by the engineer or the permitting authority that winter construction would present a significant risk to water quality, the contractor will need to request a winter shutdown in accordance with the provisions of the contract documents.
b. Discharges of any material other than stormwater, such as vehicle and equipment maintenance spills, fuels, wash water, construction debris, oil, wet concrete (including washout water from concrete batch trucks or equipment used to mix concrete), and other substances, are prohibited.
c. No silt fence shall be utilized in areas of concentrated flows, such as channels or ditches.
d. Disposal of sediment in a wetland or any corrective action undertaken to remove sediment from a wetland is prohibited.
e. The failure to promptly abate the discharge of sediment or any other waste which causes a visible discoloration of surface waters (including wetlands), or is found to be exceeding water quality standards based on monitoring, is prohibited.

3. GENERAL CONSTRUCTION NOTES

a. See Erosion Control Plan 1 through Erosion Control Plan 3 for construction notes and phasing.
b. Vehicle and equipment storage areas or areas adjacent to construction trailer or other high traffic areas shall be covered with geotextile fabric and 12 inches of gravel. Following completion of construction, all non-native materials shall be removed from the staging area. Compacted, rutted, or otherwise disturbed soils shall be tilled, raked, seeded and mulched.
c. Erodible materials stockpiled within the material storage areas shall be isolated with filter fabric. Soil stockpiled on the site shall be seeded and mulched.
d. All disturbed areas shall be seeded and mulched within 24 hours of being stripped or backfilled and graded.
e. Stockpiles shall be mulched if they will be undisturbed for more than 24 hours.

4. INSPECTION

a. The onsite coordinator shall inspect all erosion and sediment control structures and measures, at least once every seven (7) calendar days and no later than 24 hours after any storm event which generates a discharge of stormwater runoff from the construction site, to ensure they are operating correctly.
b. The onsite coordinator shall inspect any sites that have been temporarily or finally stabilized a minimum of once a month.
c. The contractor shall inspect channel linings, embankments and channel beds daily for any sign of erosion.
d. The contractor shall inspect discharge points daily to visually assess whether erosion control measures are effective in preventing impacts to receiving waters.
e. In the case of soil disturbance or earthwork occurring over the winter period (Oct. 15 to May 1), daily monitoring of all erosion prevention, sediment control and construction activities shall be required in areas where such soil disturbance, earthwork or activities are ongoing. In areas that have been shut down for the winter, the onsite coordinator shall inspect erosion prevention and sediment control devices in the field monthly, no later than 24 hours after any storm event which generates a discharge of stormwater runoff from the construction site, or during a thaw.
   The contractor shall be directed to make repairs or install additional measures as necessary.
f. The onsite coordinator and the contractor shall inspect for the evidence of, or the potential for, sediment leaving from all disturbed areas or material storage areas.
g. An Erosion and Sediment Control Monitoring Report form completed by the onsite coordinator stating the date of review and describing the erosion and sediment control and stormwater management measures reviewed, the effectiveness of their operation, any deficiencies, and corrective action to be undertaken shall be prepared after each review. A copy shall be provided to the engineer and maintained on file at the project site.

5. MAINTENANCE

a. The contractor shall keep all seeded areas watered and in good condition, re-seeding if and when necessary until a good, healthy, uniform growth is established over the entire area seeded.
b. The contractor shall repair all erosion and sediment control structures and measures that are determined to be failing, or not functioning as designed, within 24 hours of inspection.
c. The contractor shall remove accumulated sediment from containment systems and other sediment control structures as required, such that performance of these systems is not compromised or in any way impaired.
d. The contractor shall remove all debris and repair all damages caused by soil erosion or construction equipment at or before the end of each working day.

6. CORRECTIVE ACTION

a. The contractor shall notify the resident engineer as soon as possible, but within 24 hours, of any evidence of measurable amounts of sediment or sediment-laden water leaving the construction site or any visible discoloration of surface waters (including wetlands).
b. The contractor shall take immediate action to correct the discharge, including halting or reducing construction activities as necessary until the discharge and/or the condition is fully corrected.

Dufresne-Henry

PROJECT NAME: TROUT RIVER RESTORATION
PROJECT NUMBER: BRF-RS 0283(7)

FILE NAME: Erosion ControlDetails.dgn PLOT DATE: 08/27/2003
DESIGN SUPERVISOR: GAE DRAWN BY: MBL
DESIGNED BY: SAR CHECKED BY: WCH
EROSION CONTROL PLAN 4 SHEET 139a OF 140

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