

EROSION CONTROL NARRATIVE

SPECIFIC GUIDELINES

PHASE 1 - ESTABLISH PERIMETER EROSION CONTROLS

Prior to any construction or staging, the contractor will install Vehicle Tracking pads leading to staging areas and the project site to prevent the tracking of silts and sediments offsite. Coarse stone fill over filter fabric should be utilized where an already established stable entrance does not exist. The crushed stone product used for the construction of the Vehicle Tracking pads shall be monitored for sediment accumulation and replaced as necessary as directed by the Resident Engineer. Vehicle Tracking pads shall also be established and maintained at all offsite waste and borrow areas.

After the clearing of trees and shrubs, but prior to any grubbing and excavation, construct perimeter controls to ensure that any sediment does not leave the site. Water treated with Sediment traps and basins may be directed to nearby streams or swales.

Install perimeter silt barrier in areas of proposed work as shown on the plans prior to grubbing and filling activities. In areas of high exposure, it may be necessary to double up protection with additional silt fencing or placement of hay bales behind the silt fencing. In areas of exposed ledge, stone check dams will be utilized.

During grubbing operations, stone check dam barriers shall be installed at any obvious concentrated flow discharge points, or as directed by the Resident Engineer.

After the grubbing activity all areas of exposed soils shall be temporarily stabilized with mulching & seeding, erosion matting, as soon as practicable and before any predicted rainfall event. These temporary erosion control measures can be placed in any combination in areas of potential erosion as deemed necessary by the Resident Engineer.

After perimeter controls are in place, and prior to grading operations, construct temporary onsite sediment traps and provide inlet protection where necessary. Grade disturbed areas to drain towards sediment trap where possible.

All material stockpiles, including but not limited to, grubbing material, sand borrow, earth borrow, granular borrow, topsoil, subbase, and any excavated waste piles shall also have silt fence installed around the base of the stockpile. The Contractor is required to obtain clearance by the VTrans Environmental Section prior to commencement of construction.

PHASE 2 - ESTABLISH CULVERT EROSION CONTROLS

New slopes steeper than 50% (1-2 slope) will be constructed with stone fill for slope stabilization as the embankment construction progresses. All collected sediments should be removed from the settling structures and the ground shaped to its final grade and slope. Dispose of the collected sediments in an upland portion of the project, or in a manner approved by the Resident Engineer that will not result in sediments or pollutants entering the stream. The final design of the Sediment Basin will be provided by the Contractor.

PHASE 3 - ESTABLISH ROADWAY EROSION CONTROLS

On any partially completed permanent cut and fill slopes, all exposed soils will be stabilized with erosion matting or seeded and mulched.

The subbase material should be placed as soon as the subgrade has reached its final grade and slope. The traveling surface will be graded to promote sheet flow off the surface onto slopes, or flows will be directed to collection areas and shall be transported down the fill slopes to sediment traps or settling basins.

All graded areas shall be permanently stabilized following final grading activities. All areas that are graded outside of the growing season shall be treated with slope stabilization until seeding & mulching can be performed.

PHASE 4 - FINAL EROSION CONTROLS

Removal of silt fence shall commence only after all upslope areas are stabilized and well established, and the Resident Engineers has approved the removal.

Remove perimeter silt fences, and sediment traps, only after any toe-of-fill ditches have stabilized and vegetation is well established.

Remove all remaining temporary erosion control measures, regrade any areas if necessary, treat all regraded areas with erosion matting and or mulch & seed, and establishment of any final erosion control devices as deemed necessary by the Resident Engineer.

PROJECT NAME:	JAY
PROJECT NUMBER:	ST STP CULV (2)
FILE NAME: 04b140\604b140xc1.dgn	PLOT DATE: 23-OCT-2006
PROJECT LEADER: W. SYMONDS	DRAWN BY: T. FILLBACH
DESIGNED BY: T. FILLBACH	CHECKED BY: C. DIGIAMMARINO
EROSION CONTROL NARRATIVE	SHEET 12 OF 39