

EROSION CONTROL NARRATIVE



PROJECT DESCRIPTION

1. THE BENNINGTON NH 019-1 (55) PROJECT CONSISTS OF THE REMOVAL, TREATMENT AND DISPOSAL OF CONTAMINATED SOIL.
2. THE TOTAL DISTURBANCE ASSOCIATED WITH CONSTRUCTION OF THIS PROJECT SHALL BE LESS THEN 2 ACRES.
3. THIS PROJECT DRAINS TO THE RECEIVING WATER, ROARING BRANCH VIA OVERLAND FLOW.
4. THIS PROJECT IS BEING CONSTRUCTED BETWEEN VT ROUTE 9 AND THE ROARING BRANCH IN AN AREA THAT HAS BEEN PREVIOUSLY DISTURBED.

CONSTRUCTION SEQUENCE

1. THE CONTRACTOR SHALL SEQUENCE CONSTRUCTION ACTIVITIES TO MINIMIZE THE EXTENT OF DISTURBED SOILS LEFT OPEN TO EROSION AT ANY GIVEN TIME.
2. THE GENERAL SEQUENCE FOR THE MAJOR CONSTRUCTION ACTIVITIES IS AS FOLLOWS:
 - A. ESTABLISH PERIMETER CONTROLS.
 - B. CLEARING.
 - C. CONSTRUCT HAUL ROAD ALONG LENGTH OF PROJECT.
 - D. REMOVAL OF CONTAMINATED SOIL.

CONTRACTOR RESPONSIBILITIES, LIMITATIONS & PROHIBITIONS

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO AMEND / UPDATE ALL PLANS AND EXISTING PERMITS WHEN SIGNIFICANTLY ALTERING CONSTRUCTION PHASING OR ADDING / MODIFYING WASTE / BORROW / STAGING AREAS, OR ANYTHING ELSE THAT MAY DEVIATE FROM THE APPROVED PLANS AS DIRECTED BY THE RESIDENT ENGINEER.
2. FURNISH, INSTALL, INSPECT AND MAINTAIN EROSION PREVENTION AND SEDIMENT CONTROL MATERIALS IN CONJUNCTION WITH THE PERFORMANCE OF THE WORK.
3. DISPOSE OF EXCESS SOIL MATERIALS IN A MANNER THAT WILL NOT RESULT IN SEDIMENTS ENTERING WATERS OF THE STATE.
4. WHERE POSSIBLE AVOID ALL LAND DISTURBANCES WITHIN 15M OF ALL WATER BODIES, MEASURED FROM THE TOP OF BANK, WHERE NECESSARY FOR THE CONSTRUCTION OF EPSC MEASURES, MINIMIZE, TO THE EXTENT POSSIBLE, LAND DISTURBANCE TO THAT NECESSARY TO INSTALLATION AND MAINTAIN THE MEASURES.
5. MAINTAIN AND PRESERVE TO THE EXTENT POSSIBLE THE SITE'S NATURAL DRAINAGE WAYS THAT CONVEY STORMWATER TO STREAMS, RIVERS, LAKES, PONDS AND WETLANDS.
6. CONTRACTOR TO MAINTAIN ALL EXISTING STREAMS AND RIPARIAN BUFFER ZONES IN THEIR NATURAL CONDITION.
7. DISPOSE OF SEDIMENTS AND OTHER POLLUTANTS THAT HAVE BEEN COLLECTED AND REMOVED IN THE COURSES OF STORMWATER TREATMENT IN A MANNER THAT WILL NOT RESULT IN THE SEDIMENTS AND POLLUTANTS ENTERING WATERS OF THE STATE.
8. NO SILT FENCE SHALL BE UTILIZED IN AREAS OF CONCENTRATED FLOWS, SUCH AS CHANNELS OR DITCHES.
9. DISPOSAL OF SEDIMENT IN A WETLAND OR ANY CORRECTIVE ACTION UNDERTAKEN TO REMOVE SEDIMENT FROM A WETLAND IS PROHIBITED.
10. 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 VIOLATING WATER QUALITY STANDARDS BASED ON MONITORING, IS PROHIBITED.
11. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF VT "THE LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL" AND "THE VERMONT STANDARDS AND SPECIFICATION FOR EROSION PREVENTION AND SEDIMENT CONTROL".

PRECONSTRUCTION NOTES

1. CONTRACTOR TO ESTABLISH LIMITS OF SOIL DISTURBANCE, LOCATION OF SOIL STOCKPILES, CONSTRUCTION STAGING AREAS, STORAGE AREAS, REFUELING AND MAINTENANCE AREAS, LIMITS TO BE DEMARCATED WITH PROJECT DEMARCATION FENCING (PDF) WHICH CONSISTS OF 100MM (4") WIDE TAPE ATTACHED TO STAKES, SPACED AT REGULAR INTERVALS.
2. CONTRACTOR TO ESTABLISH AND MARK BOUNDARIES FOR SENSITIVE RESOURCE AREAS, SUCH AS WETLANDS AND RIPARIAN BUFFER ZONES, WITH BARRIER FENCING (SNOW FENCING).
3. INSTALLATION OF PRIMER SEDIMENT CONTROL MEASURES SHALL BE COMPLETED PRIOR TO INITIATING PRINCIPAL EARTHWORK ACTIVITIES.

CONSTRUCTION NOTES

1. STABILIZED CONSTRUCTION ENTRANCES OR VEHICLE TRACKING PADS WILL BE UTILIZED TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY OR STREETS.
2. VEHICLE AND EQUIPMENT STORAGE AREAS: 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.
3. ERODIBLE MATERIALS STOCKPILED WITHIN THE MATERIAL STORAGE AREAS SHALL BE ISOLATED WITH SILT FENCE OR OTHER ACCEPTABLE SEDIMENT BARRIER, SOIL STOCKPILED ON THE SITE THAT WILL NOT BE WORKED FOR MORE THAN SEVEN (7) DAYS SHALL BE MULCHED.
4. CONSTRUCTION HAUL ROADS SHALL BE MAINTAINED WITH A STABLE SURFACE. IN THE EVENT THAT A PORTION OF THE HAUL ROADS IS DEEMED UNSTABLE, THE CONTRACTOR SHALL IMPLEMENT STABILIZATION MEASURES, AS DIRECTED BY THE RESIDENT ENGINEER.
5. WEATHER CONDITIONS WILL BE MONITORED DURING THE CONSTRUCTION SEASON. IF AN EXTENDED RAIN PERIOD OR HEAVY RAIN IS PREDICTED, EXPOSED SOIL AREAS WILL BE MULCHED PRIOR TO AND DAILY DURING THE RAIN EVENT. IF DETERMINED NECESSARY BY THE RESIDENT ENGINEER, WORK MAY BE SUSPENDED OR LIMITED DURING THE STORM.
6. A LIST OF THE EXPECTED EPSC MEASURES AND THE LOCATIONS THAT THEY WILL BE EMPLOYED ARE OUTLINED IN THE FOLLOWING TABLE AND ON THE EROSION CONTROL PLAN SHEETS. ADDITIONAL CONTROL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ON-SITE PLAN COORDINATOR OR THE RESIDENT ENGINEER, DEPENDING UPON ACTUAL FIELD CONDITIONS ENCOUNTERED.

PROJECT DEMARCATION FENCING
SILT FENCE
SEED, MULCH & MATTING
VEHICLE TRACKING PADS

STABILIZATION NOTES

1. SEED AND MULCH WILL BE USED FOR BOTH PERMANENT AND TEMPORARY STABILIZATION MEASURES. ROLLED EROSION CONTROL PRODUCT (RECP) WILL BE USED IN PLACE OF MULCH FOR SLOPES GREATER THAN 1V:3H. MULCH TO BE APPLIED AT A MINIMUM RATE OF 4500Kg / Ha (250 - 300 Bales / Ha, OR ACHIEVE 90% GROUNDCOVER) OR AS DIRECTED OTHERWISE BY THE ENGINEER.
2. SOIL STOCKPILES AND DISTURBED AREAS THAT WILL NOT BE WORKED FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED WITH MULCH / RECP WITHIN 24 HOURS.
3. SOIL STOCKPILES AND DISTURBED AREAS THAT WILL NOT BE WORKED FOR MORE THAN 30 DAYS SHALL BE TEMPORARILY STABILIZED WITH SEED AND MULCH / RECP WITHIN 24 HOURS.
4. EXPOSED AREAS THAT HAVE ACHIEVED FINAL GRADE SHALL BE PERMANENTLY STABILIZED WITHIN 48 HOURS.
5. IN AREAS WHERE VEGETATIVE COVER WILL PROVIDE PERMANENT STABILIZATION, SEEDING TO BE COMPLETED BETWEEN APRIL 15 AND SEPTEMBER 15.

INSPECTION & MONITORING NOTES

1. CONTRACTOR TO CONDUCT INSPECTIONS AND MONITORING IN ACCORDANCE WITH SPECIAL PROVISIONS AND SPECIFIC PERMIT REQUIREMENTS.

VERMONT AGENCY OF TRANSPORTATION

PROJECT NAME: BENNINGTON
PROJECT NUMBER: NH 019-1(55)

FILE NAME: ...\\plot_files\zd307c5det_epsc.pdff PLOT DATE: 3/28/2008
DESIGN SUPERVISOR: DRAWN BY:
DESIGNED BY: CHECKED BY:
EPSC DETAIL ECD-01 SHEET 14 OF 19