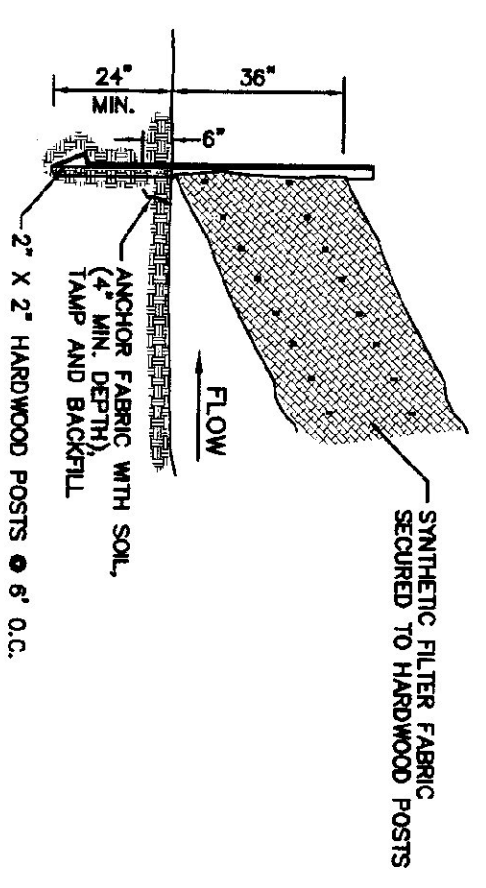
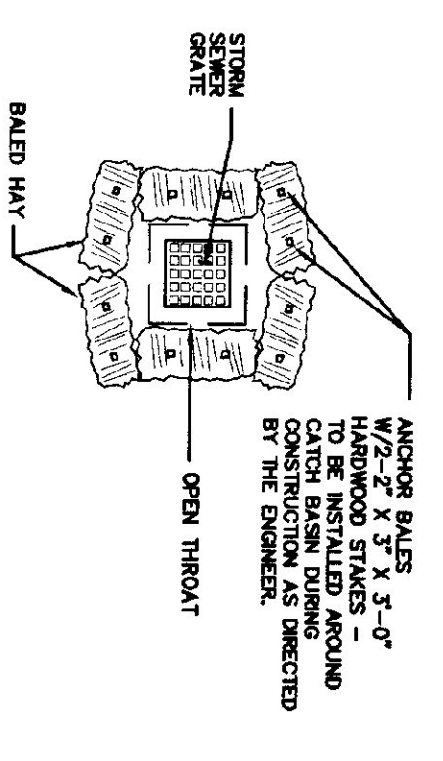


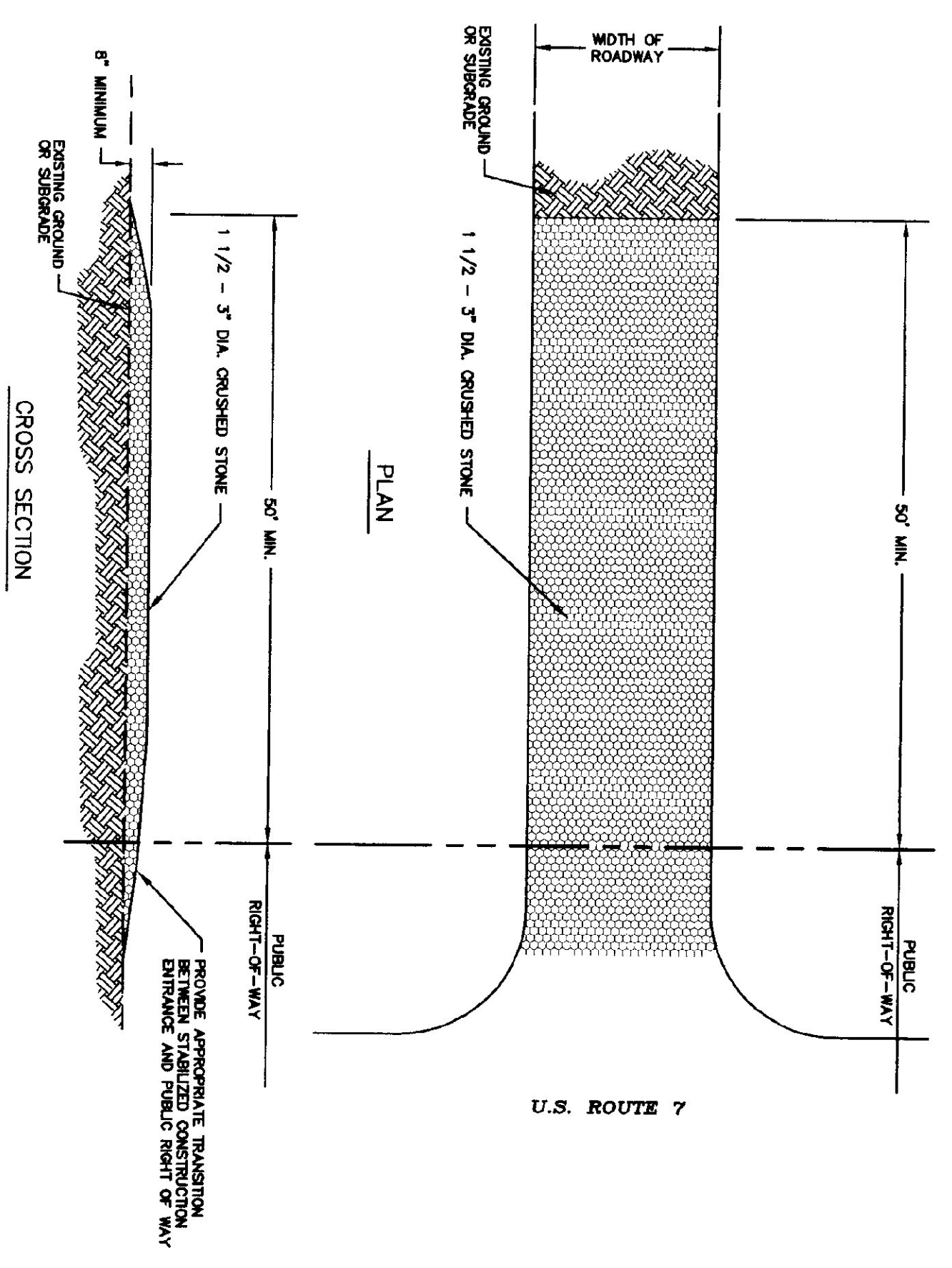
1 BALED HAY EROSION CHECKS
N.T.S.



3 SILT FENCE DETAIL
N.T.S.



4 INLET PROTECTION
N.T.S.



2 TEMPORARY STABILIZED CONSTRUCTION ENTRANCE DETAIL
N.T.S.

- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE REPAIR AND/OR CLEANOUT OF ANY PUBLIC STONE AS CONTINGENT DEMAND AND ALL SEDIMENT TRACKS, SPILLS, OR WASHES ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
 2. THE USE OF CALCIUM CHLORIDE OR WATER MAY BE NECESSARY TO CONTROL DUST DURING THE SUMMER.

SEEDING SPECIFICATION

% BY WEIGHT	URS LIVE SEED PER ACRE	TYPE OF SEED
37.5	37.5	CHESTNUT RED GRASS
31.25	31.25	KENTUCKY BLUEGRASS
31.25	31.25	WINTER HARDY PERENNIAL RYE
100	100	100% LIVE SEED/LOOSE

% BY WEIGHT	URS LIVE SEED PER ACRE	TYPE OF SEED
35	35	CHESTNUT RED GRASS
12	12	KENTUCKY BLUEGRASS
11	11	WINTER HARDY PERENNIAL RYE
0	0	WHITE CLOVER
0	0	SHRUB CLOVER
100	100	100% LIVE SEED/LOOSE

- REQUIRE - 10 LBS PER 1000 SQ. FT. SEEDING
FALL SEEDING
100% LIVE SEED/LOOSE
NOT LESS THAN 80% OF THE TOTAL CARBOURATE
PERMANENTLY APPROVED TOPSOIL
- APPLY MULCH - 4 BALS PER 1000 SQ. FT. EITHER OR NEITHER AS NEEDED
- MAINTENANCE, GUARANTEE AND ACCEPTANCE OF SEEDING
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE AND MAINTENANCE, INCLUDING WATERING, OF SEEDS AREA UNTIL THE SEEDING IS INSPECTED. SECOND WORKING, THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS IN ADVANCE WHEN THE SECOND WORKING IS SCHEDULED.
RESIDING SHALL BE DONE UNTIL ALL AREAS ARE COMPLETELY COVERED WITH SEED. ALL AREAS SHALL BE COMPLETELY COVERED WITH SEED. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY BY THE CONTRACTOR WHEN THE ENGINEER, AND PERMANENTLY WEEDS IN ANY MANNER SPECIFIED ABOVE.

5 SITE RESTORATION

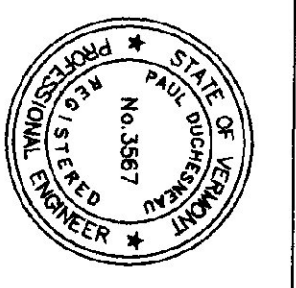
EROSION CONTROL

1. General Notes
 - a. The Contractor shall construct and maintain all erosion measures in accordance with the Vermont Handbook for Soil Erosion and Sediment Control on Construction Sites, Special Publication no. 3.
2. Construction Sequence
 - a. The Contractor shall be responsible for establishing all erosion control measures delineated on the plans and any additional measures that are necessary to minimize erosion. Erosion control measures shall be installed and maintained in accordance with the Vermont Handbook for Soil Erosion and Sediment Control on Construction Sites, Special Publication no. 3.
 - b. Silt fences shall be installed along the base of the fill slopes. The silt fence in the plan shall be installed along the base of the fill slopes. The silt fence shall be installed along the base of the fill slopes. The silt fence shall be installed along the base of the fill slopes. The silt fence shall be installed along the base of the fill slopes.
 - c. Control ditches through the application of calcium chloride or water.
 - d. Excavated material from earth excavation and ditch digging shall be disposed of offsite or used for project fill material if determined suitable by the Owner's Representative.
 - e. All temporary erosion control measures required for any proposed winter work shall be installed prior to October 1. These measures shall be in place prior to the commencement of any sitework or earth-moving.
3. Temporary Measures
 - a. Hay Bale Check Dam and Inlet Protection - Bales shall be placed in a row with ends tightly abutting the adjacent bales. Each bale shall be imbedded in the soil a minimum of 12 inches. Bales shall be secured to the ground by stakes driven through the bales. The ends of the bales shall be driven toward the previously laid bale to force the bales together.
 - b. Bales shall be replaced or replaced on needed. Once vegetation is established and the silt fence is no longer needed, the bales shall be removed. Sediment deposits shall then be removed and placed in an approved area where there is no danger of further erosion.
 - c. Silt Fences - The silt fences shall be constructed in accordance with the construction shown on the plan. The ends of the fence shall be placed uphill to form a horseshoe shape to trap all runoff.
 - d. All silt fences shall be inspected periodically for damage or build-up of sediments. The silt fence shall be repaired or replaced. Sediment deposits shall be removed from the fence as they build up and be placed in an area where there is no danger of further erosion.
 - e. Erosion Matting - Erosion matting shall be placed on all grass-lined grades with profile grades exceeding 5.0% and shall be placed on matting in accordance with the Vermont Agency of Transportation Standard Specifications Sections 654 and 755.07. Matting shall be placed on all grass-lined grades.
 - f. Dust Control - During construction, dust will be controlled with water distributed by a truck-mounted spray system. The water shall be applied to the dust control matting by a truck-mounted spray system. The water shall be applied to the dust control matting by a truck-mounted spray system.
 - g. All stockpile material (topsoil, borrow, etc.) will have a hay bale dike or silt fence constructed around the stockpile. The silt fence shall be placed on the uphill side of the disturbed area, if possible. During windy conditions, stockpiled material shall be covered or watered appropriately to prevent wind erosion.
 - h. Slopes greater than 1:3 shall have erosion control matting installed to stabilize the slope and reduce the erosion potential. Inlet matting over mulched slopes so that all ports are in contact with the soil and mulch. Pin matting with wire staples 3 feet o.c. to ensure full bonding with soil surface.
4. Permanent Measures
 - a. Grass Liner Sedges - All areas that are not steep-lined shall be topsoiled, seeded, fertilized and mulched. Any area which shows signs of erosion shall be immediately and maintained until permanent vegetation is established.
 - b. Restoration - As soon as construction is completed in a given area, it shall be topsoiled, seeded, fertilized and mulched.

The Topsoil shall be submitted to the Extension Service for analysis. Fertilizer shall be applied at approximately a rate of 400 pounds per acre depending on soil pH of approximately 6.0.

After the finished grade has been established and the fertilizer spread, plant the seed bed with topsoil and work firmly into the soil. Apply seed on the prepared seed bed with a broadcast seed spreader. Use a roller to firm the seed into the soil. After the seed is applied, the area shall be mulched with a minimum of 2 inches of mulch. The mulch shall be applied to the topsoil on a soil pH of approximately 6.0.

After the finished grade has been established and the fertilizer spread, plant the seed bed with topsoil and work firmly into the soil. Apply seed on the prepared seed bed with a broadcast seed spreader. Use a roller to firm the seed into the soil. After the seed is applied, the area shall be mulched with a minimum of 2 inches of mulch. The mulch shall be applied to the topsoil on a soil pH of approximately 6.0.
5. Winter Construction
 - a. If due to the project schedule, construction during the winter months is necessary, the contractor shall follow the winter construction procedures outlined in the Vermont Handbook for Soil Erosion and Sediment Control on Construction Sites.
 - b. Minimize disturbance between October and May.
 - c. All erosion control measures shall be in place prior to the ground freezing.
 - d. Mulch shall be applied to all disturbed areas at a rate of 80 pounds per 1,000 square feet. The Contractor shall maintain all areas that are mulched until permanent vegetation can be established.
6. Maintenance, Guarantee and Acceptance
 - a. The Contractor shall be responsible for the care and maintenance including watering of seeded areas until the seeding is inspected and accepted by the Owner.
 - b. Reseeding shall be done until all areas are completely covered with a mature stand of vegetation. The contractor shall be responsible for the care and maintenance of the seeded areas until the seeding is inspected and accepted by the Owner.
 - c. The contractor shall be responsible for the care and maintenance of the seeded areas until the seeding is inspected and accepted by the Owner.
 - d. Wash and guarantee of seeded area until acceptance.



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STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
COLCHESTER, VERMONT

EROSION CONTROLS
MAINTENANCE GARAGE

SCALE: AS NOTED
DATE: OCT. 15, 1999
DRAWN BY: CCE
APPR. BY:

REVISIONS
11/30/00 EROSION CONTROL REVISIONS
4/8/00 GENERAL REVISIONS

COLCHESTER