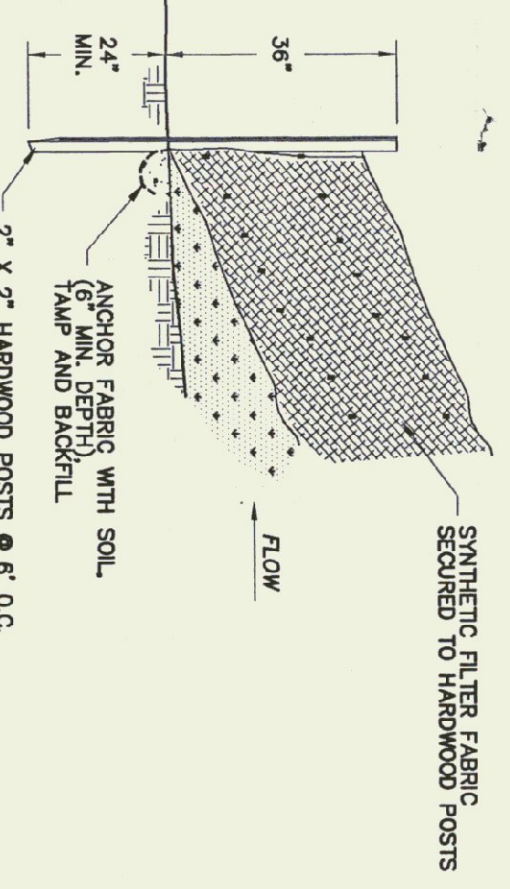
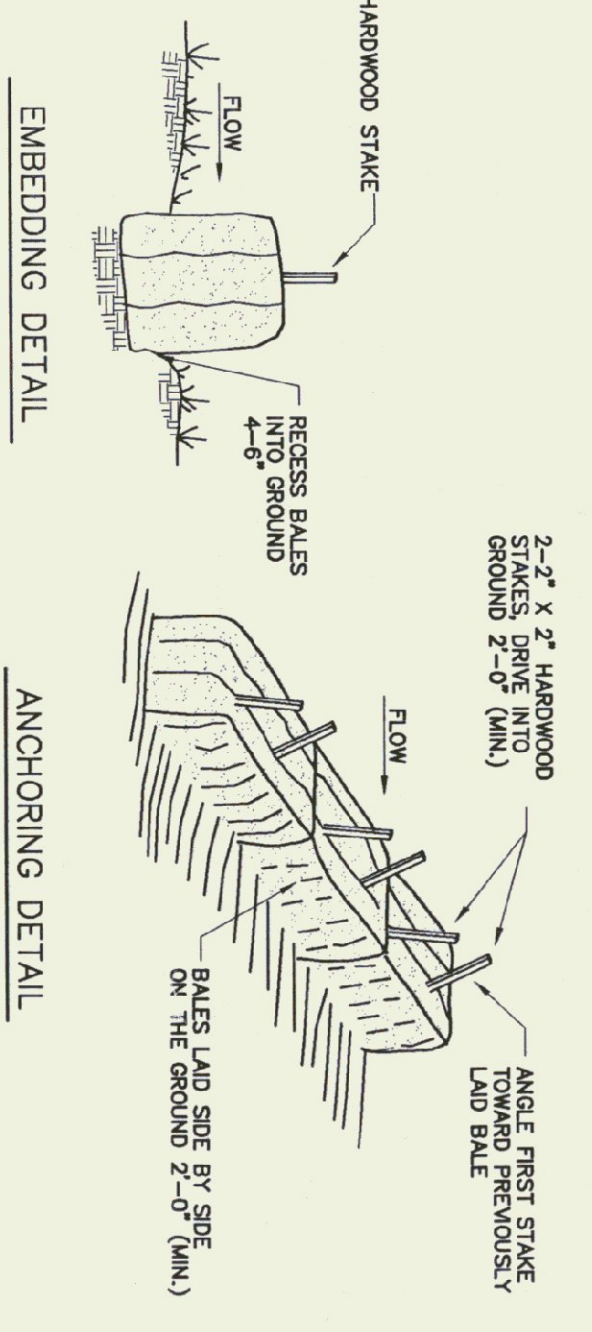


MAINTENANCE SCHEDULE:
 The basin should be inspected for sediment build-up, which causes a loss in infiltration rate. Maintenance should be performed to remove sediment. Live vegetation is the most effective way to maintain good infiltration rates. Bermuda grass in particular has been shown to withstand long periods of submergence and drought without a decline in soil cover. Sedimentation from any outflowing in the basin's collection area should be prevented. Use a silt fence or other sediment control measure at the sediment source. The pond should be inspected for erosion after intense rainfall. Erosion control measures such as riprap should be used as necessary.



1-1 SILT FENCE DETAIL
 N.T.S.



2-2 BALED HAY EROSION CHECKS
 N.T.S.

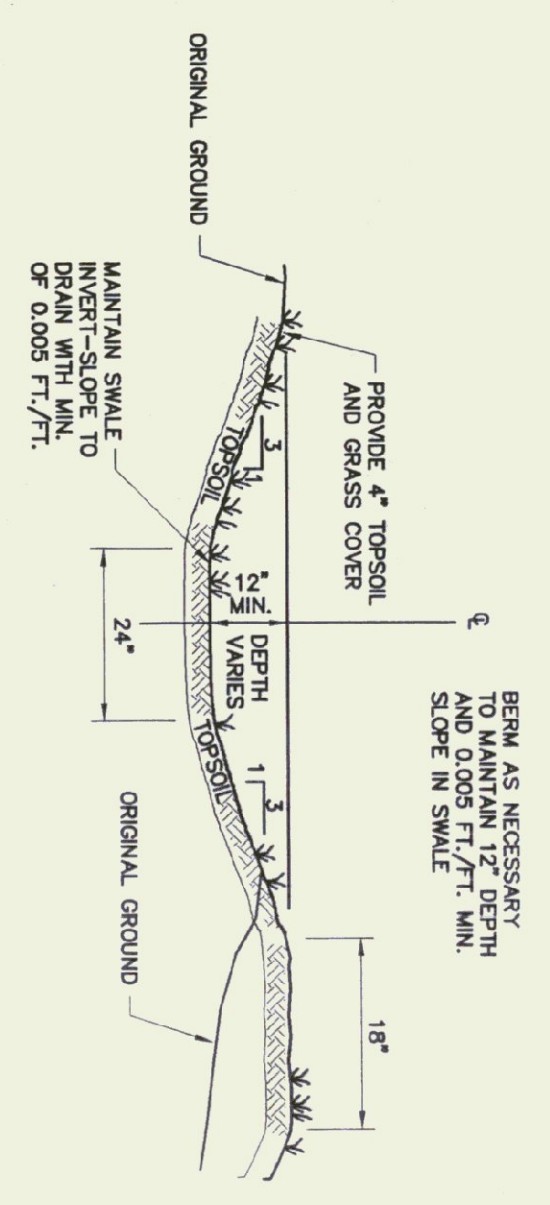
SEEDING SPECIFICATION

URBAN MIX GRASS SEED— FOR USE IN GRASSSED ISLAND IN FRONT OF GARAGE AND IN R.O.W. ALONG AIRPORT ROAD		TYPE OF SEED
37.5 LBS. LIVE SEED PER ACRE	37.5 PER ACRE	GREENING RED FESCUE
31.25 LBS. LIVE SEED PER ACRE	31.25 PER ACRE	KENTUCKY BLUEGRASS
31.25 LBS. LIVE SEED PER ACRE	31.25 PER ACRE	MINOR HAY, PERENNIAL RYE
100 # LIVE SEED/ACRE		
CONSERVATION MIX GRASS SEED— FOR USE IN ALL OTHER AREAS		TYPE OF SEED
35 LBS. LIVE SEED PER ACRE	35 PER ACRE	GREENING RED FESCUE
23 LBS. LIVE SEED PER ACRE	23 PER ACRE	KENTUCKY BLUEGRASS
11 LBS. LIVE SEED PER ACRE	11 PER ACRE	ANNUAL RYE GRASS/MAINTAIN RYE (VARIETY PERENNIAL)
6 LBS. LIVE SEED PER ACRE	6 PER ACRE	(OR SIMILAR VARIETY)
10 LBS. LIVE SEED PER ACRE	10 PER ACRE	HIGHLAND BENTGRASS
100 # LIVE SEED/ACRE		

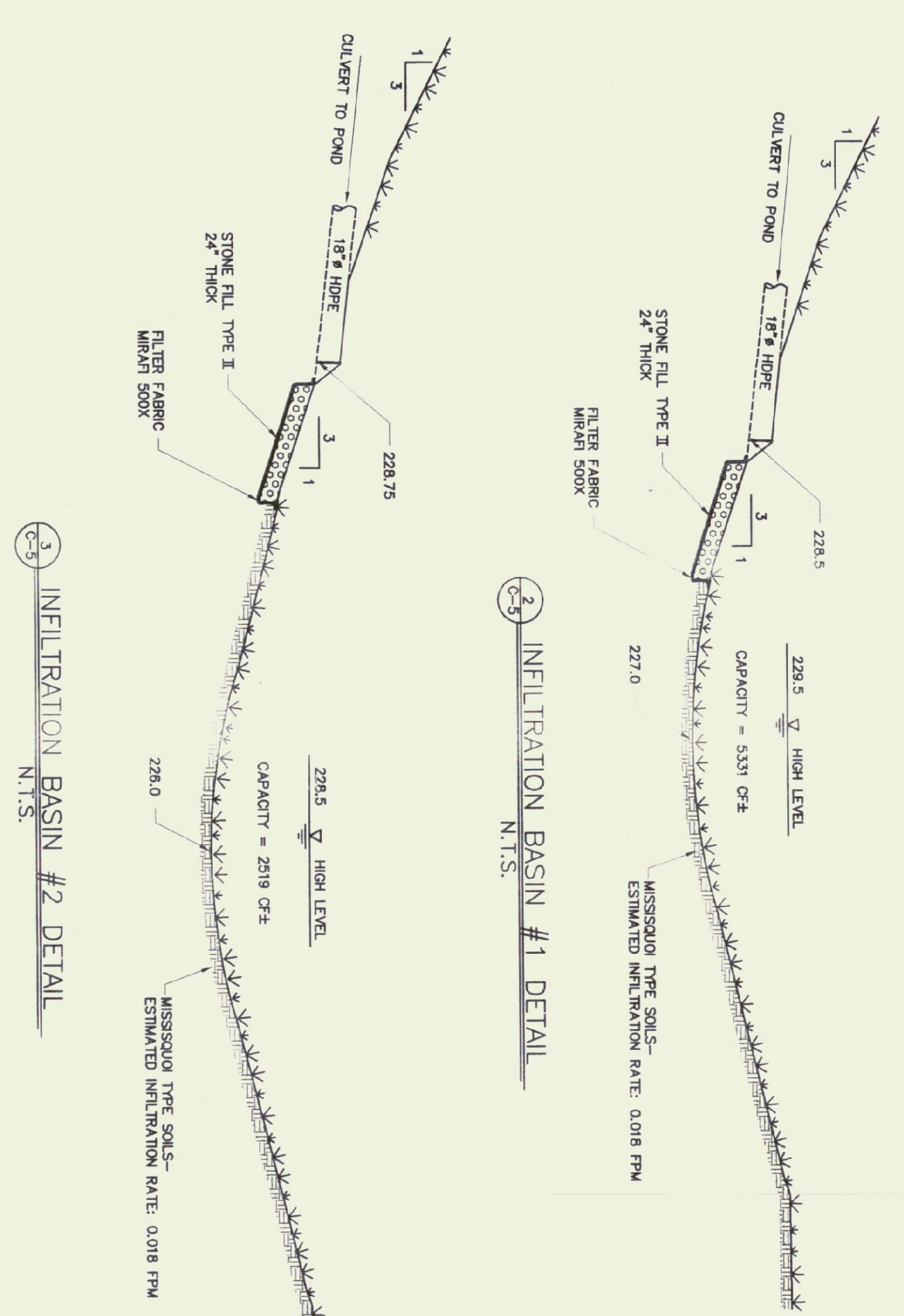
EXTRUDER — 10 LBS. PER 1000 S.F.
 FERTILIZER — 10 LBS. PER 1000 S.F.
 FINE SEEDING
 LINE — 90 LBS. PER 1000 S.F.
 CALCULATED GROUND LIMESTONE NOT LESS THAN 85% OF THE TOTAL CARBONATE.
 TYPICAL MINIMUM APPROVED TOPSOIL
 STRAW MULCH — 2 BALES PER 1000 S.F.
 APPLY BRIDGE OR NETTING AS NEEDED.

MAINTENANCE, GUARANTEE AND ACCEPTANCE OF SEEDING
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE AND MAINTENANCE OF THE SEEDING AND MULCHING OPERATIONS THROUGHOUT THE SEEDING SEASON. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS IN ADVANCE OF THE SEEDING OPERATION. THE CONTRACTOR SHALL MAINTAIN A MATURE STAND OF GRASS. AN AREA SHALL BE CONSIDERED COVERED WHEN THE STAND OF GRASS IS PREDOMINANTLY WEEDS SHALL BE TILDED, FINE GRADED, FERTILIZED AND RESEEDED IN THE MANNER SPECIFIED ABOVE.

5 SITE RESTORATION
 N.T.S.

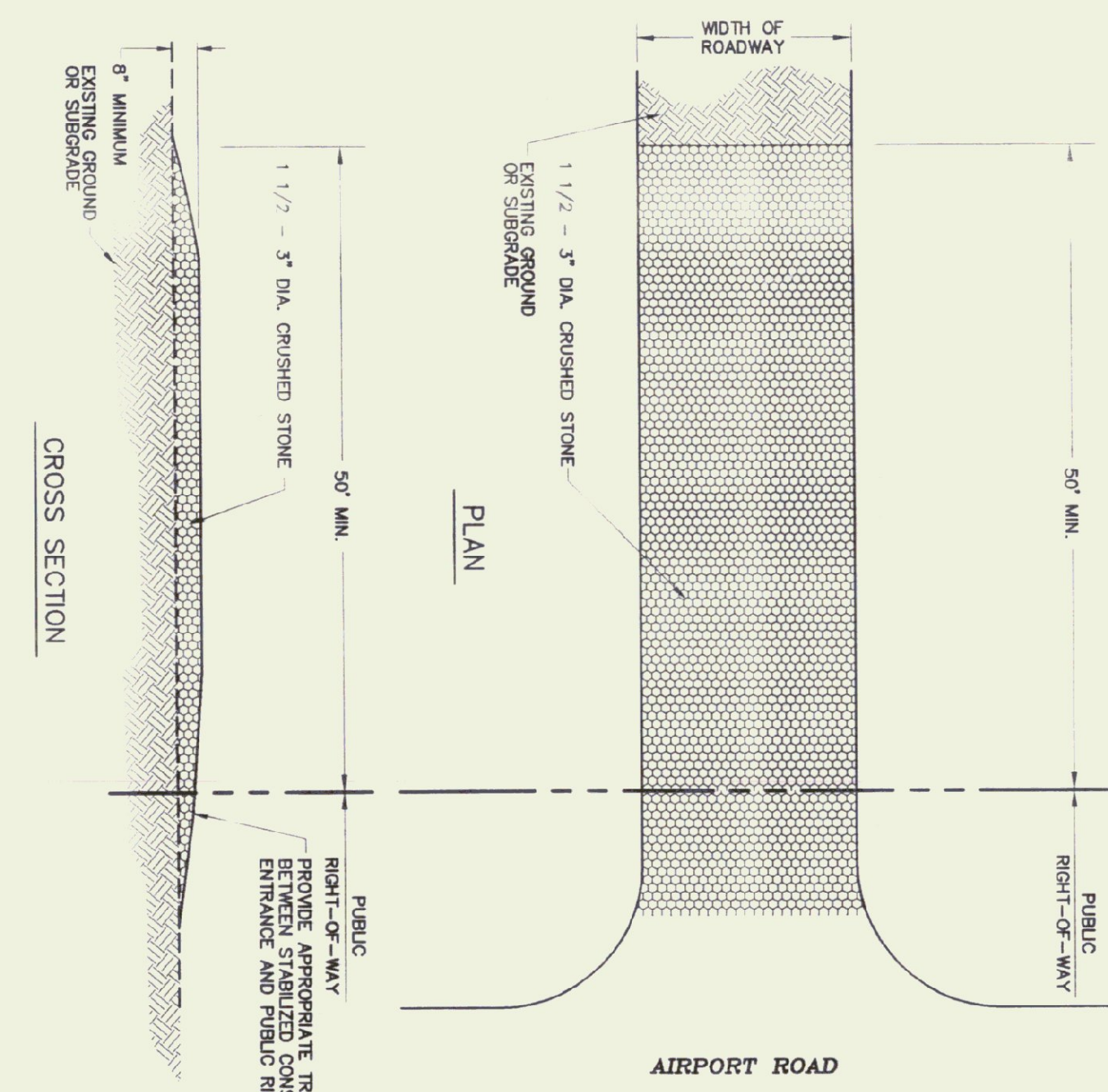


6 TYPICAL DRAINAGE SWALE
 N.T.S.



2-1 INFILTRATION BASIN #1 DETAIL
 N.T.S.

2-2 INFILTRATION BASIN #2 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 WEASERS USED TO TRAP SEDIMENT. ALL SEDIMENT TRACKED, SPILLED, OR WASHED 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.

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

EROSION CONTROL

- General Notes
 - 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.
- Construction Sequence
 - The Contractor shall be responsible for establishing all erosion control measures. The Contractor shall have erosion control materials and installation equipment on site at all times.
 - Silt fences shall be installed along the base of the fill slopes. The silt fence in 50 feet on center to prevent silt from washing into the drainage system during construction. Hay bales shall be removed when vegetation is established.
 - Dust shall be controlled through the application of calcium chloride or water.
 - 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.
 - 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 site work or earth-moving.
- Temporary Measures
 - Hoy Bale Check Dam and Inlet Protection — Bales shall be placed in a row with ends tightly butting the adjacent bales. Each bales shall be secured in place by stakes driven through the bales. The first stake in each hole shall be driven toward the previously laid hole to force the bales together.
 - Bales shall be repaired or replaced as needed. Once vegetation is established and the silt fence no longer needed for erosion control, they shall be removed. Sediment deposits shall then be removed and placed in an upland area where there is no danger of further erosion.
 - Silt Fence — The silt fence shall be constructed in accordance with the construction detail. The silt fence shall be placed 10 feet from the toe of the slope or as shown on the plan. The ends of the fence shall be placed uphill to form a horseshoe shape to trap all runoff.
 - The silt fences shall be inspected periodically for damage or buildup of sediment. All silt fences shall be repaired and replaced. Sediment deposits shall be removed from the fence as they accumulate and placed in an area where there is no danger of further erosion.
 - Erosion Matting — Erosion matting shall be placed on all grass-lined slopes with profile defined by a 5:1 slope. The matting shall be placed in accordance with the Vermont Agency of Transportation Standard Specifications Sections 654 and 755.07.
 - Dust Control — During construction, dust will be controlled with water distributed by the Contractor. The Contractor shall use the Vermont Agency of Transportation Standard Specifications Sections 654 and 755.07.
 - All stockpile material (topsoil, borrow, etc.) will have a hay bale dike or silt fence constructed around the perimeter. The perimeter shall be constructed on the uphill side of disturbed areas. If possible, during windy conditions, stockpiled material shall be covered or watered appropriately to prevent wind erosion.
 - Stakes greater than 1/3 shall have erosion control matting installed to stabilize the slope and reduce the erosion potential. Inset 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.
- Permanent Measures
 - Grass Lined Slopes — All slopes that are not stone-lined shall be topsoiled, seeded, fertilized and mulched until permanent vegetation is established.
 - 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 analysis. If necessary, lime shall be applied to the topsoil to produce a soil pH of approximately 6.0.

After the finished grade has been established and the fertilizer spread, plant the specific seed mixture and work firmly into the soil. Apply seed or the prepared seed bed with approved mechanical seeders or hydroseeding equipment. The surface of all green turf to grade, smooth, and free from hollows or other irregularities. Thoroughly water all newly planted areas immediately after planting using a fine spray. Protect banks and stables from erosion and rapid erosion that occurs. Some water or other graded areas immediately after planting using a fine spray. The contractor shall be responsible for the maintenance of the seedling until the end of season, seeding will be conducted only during the period from April 15th to October 15th. Seeding shall not proceed before other phases of the work have progressed sufficiently and shall not interfere with other phases of work.

After seeding, which shall be applied at a rate of 2 tons per acre.
- Winter Construction
 - Due to the project schedule, construction during the winter months is necessary. The Contractor shall have erosion and sediment control on Construction Sites Vermont Handbook for Soil Erosion and Sediment Control on Construction Sites.
 - Minimize disturbance between October and May.
 - All erosion control measures shall be in place prior to the ground freezing.
 - Mulch shall be applied to all disturbed area at a rate of 90 pounds per 1,000 square feet. The Contractor shall maintain all areas that are mulched until permanent vegetation can be established.
- Maintenance, Guarantee and Acceptance
 - 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.
 - Seeding shall be done until all areas are completely covered with a mature stand of grass. An area shall be considered covered when the entire surface contains a predominantly weed stand of grass. Areas that, in the opinion of the Engineer, are not covered shall be reseeded. The Contractor shall be responsible for the maintenance of the seedling until the end of season, seeding will be conducted only during the period from April 15th to October 15th. Seeding shall not proceed before other phases of the work have progressed sufficiently and shall not interfere with other phases of work.
 - Maintain and guarantee all 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
 HIGHGATE MAINTENANCE FACILITY
 HIGHGATE VERMONT

SCALE:	N.T.S.
DATE:	08/03/01
DRAWN BY:	CCE
APPR. BY:	PD

REVISIONS
 HIGHGATE MAINTENANCE GARAGE EROSION CONTROL AND STORMWATER

