

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq.ft.)

SEEDING: For periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.5 lbs./1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs./acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of unrotted asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES

SEEDING PREPARATION: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

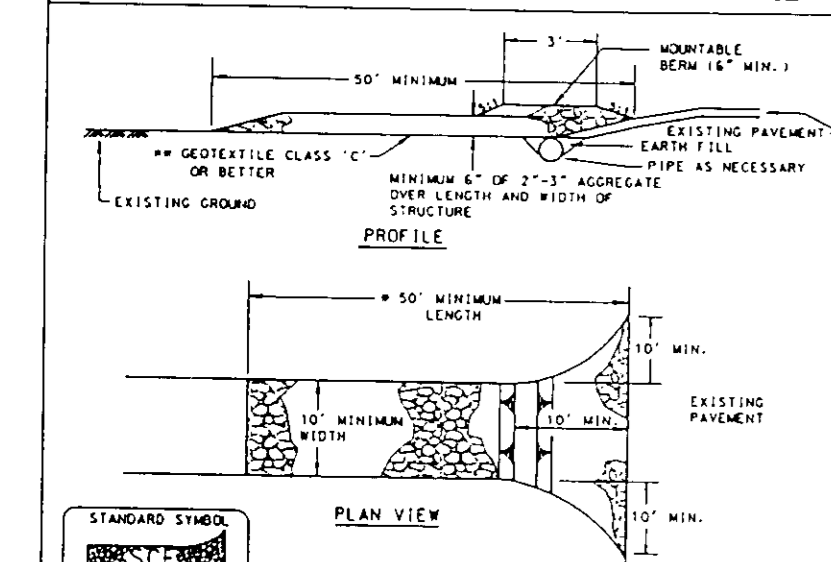
SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.)

SEEDING: For periods March 1 thru April 30, and August 1 thru November 15, seed with 2 1/2 bushels per acre of annual ryegrass (3.2 lbs./1000 sq.ft.) For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.7 lbs./1000 sq.ft.). For the period November 1 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of unrotted asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHOD NOT COVERED.

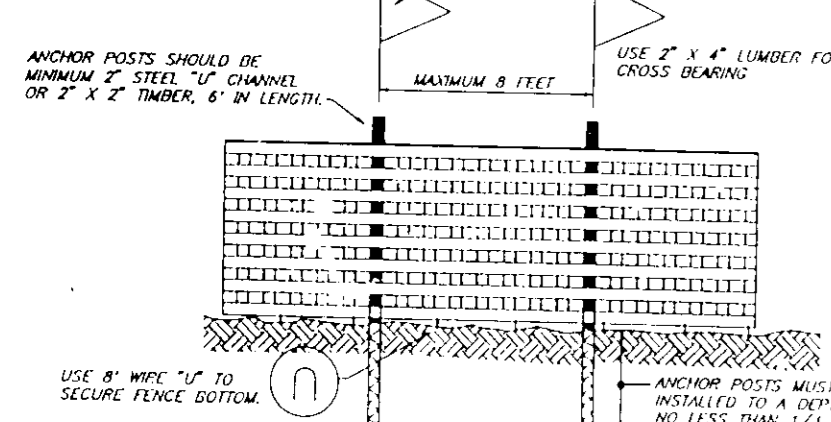
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



- 1. Length - minimum of 50' (40' for single residence lots).
2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.
3. Geotextile fabric (filter) cloth shall be placed over the existing ground prior to placing stone. The filter cloth must not require a fabric weight resistance to use geotextile.
4. Stone - crushed aggregate 1/2" to 3/4" or recycled concrete equivalent shall be placed at least 4" deep over the length and width of the entrance.
5. Surface water - all surface water flowing to or diverted toward construction entrance shall be placed through the entrance, maintaining stone drainage. The installed through the stabilized construction entrance shall be protected with a geotextile fabric with 1/2" stone and a minimum of 45' of stone above the pipe. Pipe must be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a size will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site, including leaving the site must travel over the stabilized construction entrance.

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ANCHOR POSTS SHOULD BE MINIMUM 2" STEEL "F" CHANNEL OR 2" X 2" TIMBER, 4" IN LENGTH



BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL

- 1. General protection device only.
2. Refasten area will be set as part of the review process.
3. Dimensions of relation area should be stated and tagged prior to installing device.
4. Root damage should be avoided.
5. Protection device may also be used.
6. Device should be maintained throughout construction.

APPROVED: DEPARTMENT OF PLANNING AND ZONING. Chief, Development Engineering Division. Date: 11/7/96. Chief, Division of Land Development and Research. Date: 11/9/96. Director. Date: 11/9/96.

SEDIMENT AND EROSION CONTROL NOTES

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (313-1855).

2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.

3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within:
a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1
b) 14 days as to all other disturbed or graded areas on the project site.

4. All sediment traps/basins shown or shown and warning signs posted around their parameters in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5. All disturbed areas must be stabilized within the time period specified above, in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51), sod (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.

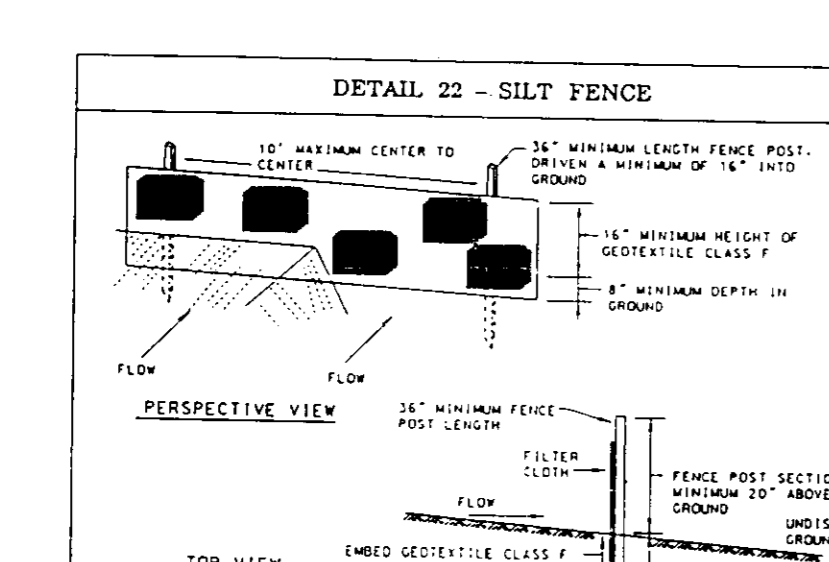
6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
7. SITE ANALYSIS:
Total Area of Site: 0.434 AC
Area Disturbed: 0.41 AC
Area to be roofed or paved: 0.13 AC
Area to be vegetatively stabilized: 0.28 AC
Total Cut: 1171 CF
Total Fill: 526 CF
Offsite Waste/Borrow Area Location:

- 8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9. Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
11. The total amount of silt fence = 280 LF.

* It is the responsibility of the contractor to identify the soil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

CONSTRUCTION SEQUENCE table with columns for sequence number, description, and number of days.

DETAIL 22 - SILT FENCE



- 1. Fence posts shall be a minimum of 3/4" long with 1/2" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum 10' x 1 1/2" diameter minimum round) and shall be of sound quality hardwood. Steel posts will be standard T or U section weighing not less than 100 pound per linear foot.
2. Geotextile fabric shall be fastened securely to each fence post with wire ties or staples. The fabric shall be placed over the existing ground and shall meet the following requirements for Geotextile Class F:
Tensile Strength: 50 lbs/in. (min.) Test: ASTM 509
Flow Rate: 20 lbs/in. (min.) Test: ASTM 509
Filtering Efficiency: 0.3 mm 1/2" (min.) Test: ASTM 522
3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
4. Silt fence shall be inspected after each rainfall event and maintained when surface runoff or when sediment accumulation reaches 50% of the fabric height.

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PLANT SCHEDULE

Table with columns for quantity, plant name, and size. Includes Acer rubrum 'Red Sunset' and Red Sunset Maple.

PLANTING DETAIL

