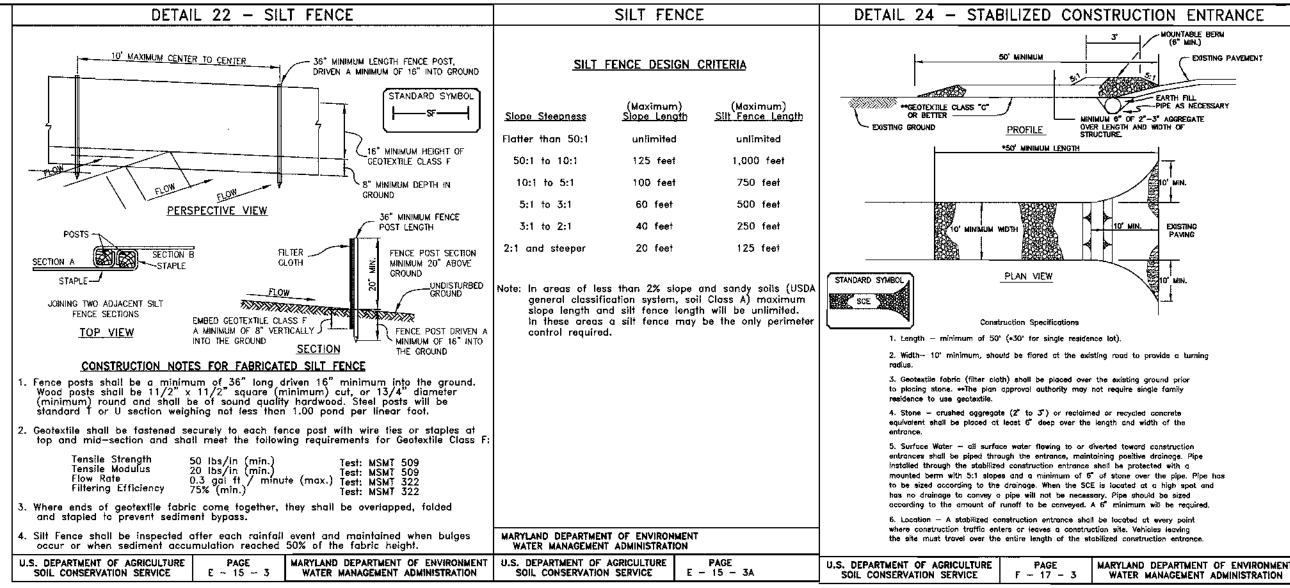


ENGINEERING, INC.

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## SEDIMENT CONTROL NOTES

Apply to graded or cleared area not subject to immediate further disturbance 1. A minimum of 48 hours notice must be given to the Howard County Department of Inspections and Permits, Sediment Control Division prior to the start of any construction (313-1855). 2. All vegetative and structural practices are to be installed accordingly to the

provisions of this plan and are to be in conformance with the most current "Maryland Standards and Specifications for Soil Erosion and Sediment Control", and revisions thereto.

3. Following initial soil disturbances or redisturbance, 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 calendar days as to all other disturbed or graded areas

\*\*GEOTEXTILE CLASS "C"
OR BETTER

residence to use geotextile.

Construction Specifications

2. Width- 10' minimum, should be flored at the existing road to provide a turning

Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. ••The plan approval authority may not require single family

4. Stone — crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 5" deep over the length and width of the

5. Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mounted berm with 5:1 slopes and a minimum of 5" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized

6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

1. Length - minimum of 50' (<30' for single residence lot).

4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter 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 "1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control" for Permanent Seedings (Sec. 51) Sod (Sec. 54), Temporary Seeding (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.

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. Site Analysis:

Total Aréa of Site: Area to be Disturbed: Area to be roofed or paved: Area to be vegetatively stabilized:

on the project site.

4.83 ± acres 0.61 ± acres  $0.00 \pm acres$ 0.61 ± acres 0 C.Y.

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. Additional sediment controls 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 erasion 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. Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

12. Quantities and estimates shown are for sediment control purposes only. Contractor shall prepare his/her own quantity estimates to his/her satisfaction. \* It is the responsibility of the contractor to identify the spoil/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.

PERMANENT SEEDING NOTES

AbC1

—— —— 999-- —— —

----- 999 ------

—— SF ——

DESERT SENSON DEREG SERVICES

where a permanent long-lived vegetative cover is needed. Seedbed Preparation: Loosen upper three inches of soil be raking, discing or other acceptable means before seeding. (If not previously loosened) Soil Amendments: In lieu of soil test recommendations, use on the following

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

and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sf) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the periods March 1 through April 30 and August 1 through October

15, seed with 60 lbs per acre (1.4 lbs/1000 sf) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.05 lbs/1000 sf) of Weeping Lovegrass. During the period of October 16 through February 28, protect site by: Option 1) 2 tons per acre of 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 1-1/12 to 2 tons per acre (70 to 90 lbs/1000 sf) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after

of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) for anchoring. Maintenance: Inspect all seeded areas and make needed repairs, replacements

application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sf)

## TEMPORARY SEEDING NOTES

and reseedings.

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. (If not previously loosened)

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf). Seeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sf). For the period May 1 through August 14, seed with 3 lbs per acre of Weeping Lovegrass (0.07 lbs/1000 sf). For the period November 16 through 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 sf) 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 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) for anchoring.

Refer to the 1994 Maryland Standards and Specifications for Soil Erosion and

GP-04-72

MONTPELIER RESEARCH CENTER PARCELS C-2, C-3, C-4, AND C-5ELECTION DISTRICT NO. 5

AS SHOWN SHEET NO. 2 OF 2

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SEDIMENT AND EROSION CONTROL PLAN, NOTES AND DETAILS

DATE 600 SCALE MAPS: 41

BLOCKS: 17

CONTRACT No. 44-4179-D

