



Rev. 4/2/31-Delete Earth Swale, Lot 45

AS-BUILT JAN. 16,1992

LEGEND - - - LIMIT OF DISTURBANCE -A-Z - EARTH DIKE S-5-5 SILT FENCE EX.CONTOURS 560 PROP. CONTOURS

GRADE SHOULDER, SWALE & SLOPES.

APPROVED : HOWARD COUNTY DEPARTMENT

CHIEF BUREAU OFHIGHWAYS

CHIEF, BUREAU OF ENGINEER ING

OFFICE OF PLANNING & ZONING

CHIEF, DIVISION OF LAND DEVELOP MENT

AND ZONING ADMINISTRATION

CHIEF, LAND DEVELOPMENT DIVISION DATE

DATE

18.4.87

10. REMOYE SEDIMENT CONTROL DEVICES AND STABILIZE

, STABILIZE DISTURBED AKEAS.

THOSE AREAS.

2:1 SLOPE O -STABILIZATION AS REQUIRED. ON STEEP SLOPES EXCAVATE TO PROVIDE GRADE LINE-REQUIRED FLOW WIDTH AT FLOW DEPTH CROSS SECTION (5 ac. or less) (5-10 ac.) CUT OR FILL D-DIKE WIDTH e-FLOW WIDTH 4-FLOW DEPTH CUT OR FILL SLOPE -STANDARD SYMBOL A-2 B-3 |- CONSTRUCTION SPECIFICATIONS

EARTH DIKE

ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT, ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE

CROSSING BY CONSTRUCTION TRAFFIC.

LIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.

LARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. PUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.

6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

FLOW CHANNEL STABILIZATION

| IREAIMENI | GRADE | DIKE A | DIKE B |
|---------------------|--|--|---|
| · 1 | .5-3.0% | SEED AND STRAW MULCH | SEED AND STRAW MULCH |
| 2 | 3.1-5.0% | SEED AND STRAW MULCH | SEED USING JUTE, OR EXCELSION; SOD; 2" STONE |
| 3 | 5.1-8.07 | SEED WITH JUTE, OR SOD; 2" STONE | LINED RIP-RAP 4-8" |
| 4 | 8.1-207 | LINED RIP-RAP 4-8" | ENGINEERING DESIGN |
| B. RIP-RAP THE SOIL | n thickness and be to be 4-8 inches i | OR RECYCLED CONCRETE EQUIVALE PRESSED INTO THE SOIL WITH C N A LAYER AT LEAST 8 INCHES T BE SUBSTITUTED FOR ANY OF THE JIRED MAINTENANCE MUST BE PROV | ONSTRUCTION EQUIPMENT, HICKNESS AND PRESSED INTO |

SILT FENCE High strength polypropylene netting -WOVEN WIRE FENCE (MIN. 14 1/2 GAUGE, MAX. 6" MESH Heavy duty draw cord with H.S. polypropylene netting High strength polypropylene netting or woven wine Fence (14% GA. MWN., MAX. 6" MESH SPACING) WITH FILTER CLOTH OVER EMBED FILTER CLOTH SECTION

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- High strength polypropylene netting or 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES,
- 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED,
- 4. MAINTENANCE SHALL BE PERFORMED AS MEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

Hardwood

Hardwood

FENCE: Woven wire, 144 Ga.

6" Max. Mesh Opening or high strength polypropylene netting FILTER CLOTH: FILTER X,
MIRAFI 100X, STABI-

PREFABRICATED UNIT: GEOFAB. ENVIROFENCE, OR APPROVED EQUAL.

SEDIMENT CONTROL

() By the Developer:

"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion

Print name below signature

() By the Engineer: "I certify that this plan for

and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District.

Print name below signature () These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for so

erosion and sediment

and sediment control meet the requirements of the

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other 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 square 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 time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).

2) Acceptable -- Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

Seeding - For the 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 (.05 1bs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru 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

Mulching -- Apply 11/2 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 emulsified 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

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other accep-

Soil Amendments: Apply 60 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft). Seeding: For periods March 1 thru April 30 and from August 15 thru Novermber 15. seed with 21/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 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 11/2 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 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 348 gal 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 methods not covered.

SEDIMENT 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. (992-2437) 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 SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. 3) Following initial soil disturbance 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 days as to all other
- disturbed or graded areas on the project site. 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chaper 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 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.
- 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 Area Disturbed Area to be roofed or paved Area to be vegetatively stabilized 0.11 Acres Total Cut
- Total Fill Offsite waste/borrow area 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 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 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.

GLENWOOD SPRINGS 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

> SEDIMENT CONTROL PLAN

JECTION ONE AREA TWO

OWNER AND DEVELOPER GLENWOOD SPRING PARTNERSHIP P.O. BOX 122

ELLICOTT CITY, MARY LAND 21043 SCALE: (" 50' DATE: OCT. 3,1987 DRYG.NO. 3 OF 3 DES. RBC DRN. DWB CHK RBC

FISHER, COLLINS AND CARTER, INC. CIVIL BIGINEERS AND LAND SURVEYORS ELLICOTT CITY, MARYLAND 21043