





**PERMANENT SEEDING NOTES**

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

**Seedbed Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

**Soil Amendments:** In lieu of soil test recommendations, use one of the following schedule

- 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 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 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 1/2 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 reseedings.

**TEMPORARY SEEDING NOTES**

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.

**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 from August 15 thru November 15, seed with 2 1/2 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.

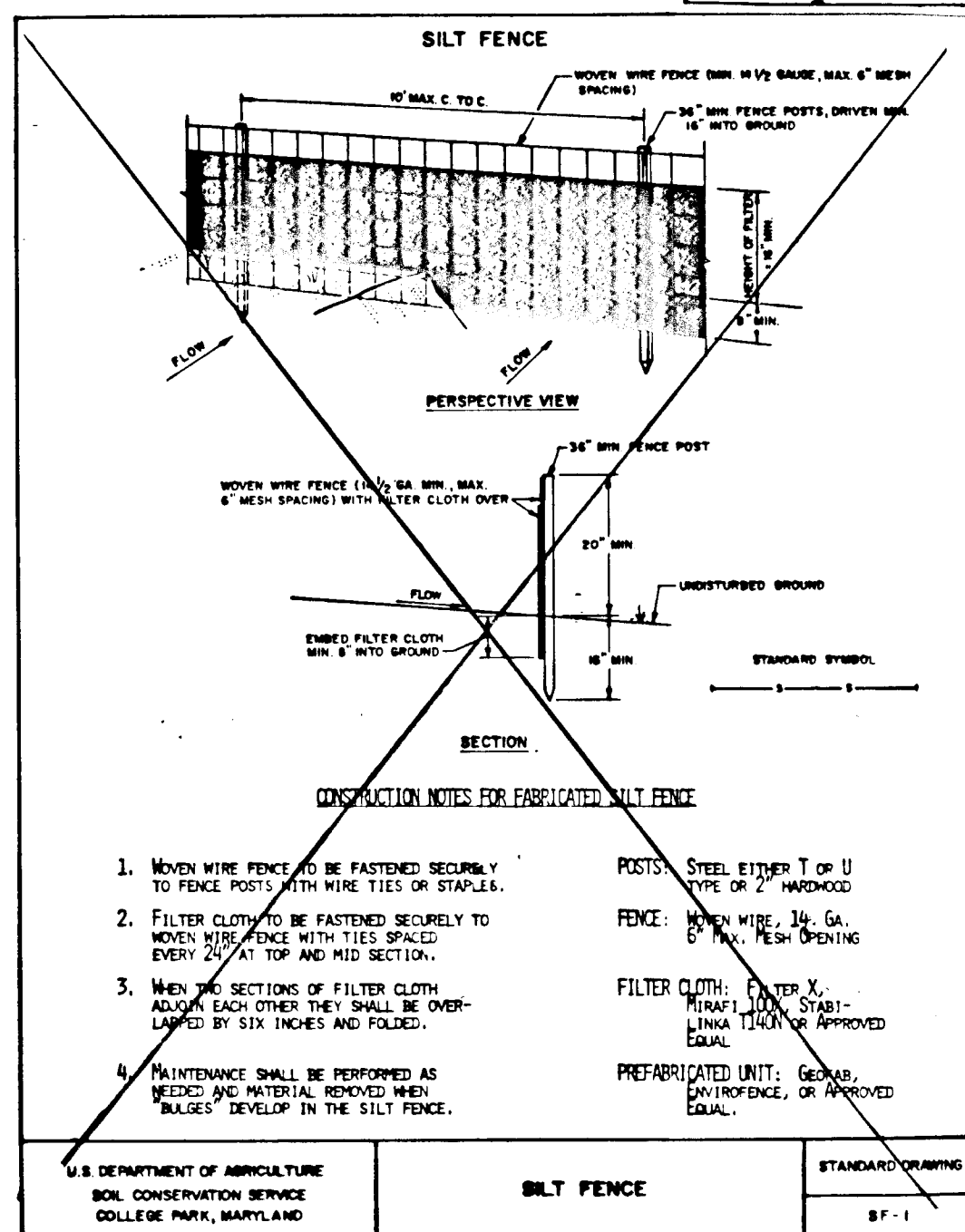
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Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

**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, 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 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	1.24 Acres
Area Disturbed	0.22 Acres
Area to be roofed or paved	NA Acres
Area to be vegetatively stabilized	0.22 Acres
Total Cut	1122 Cu. yds
Total Fill	— Cu. yds
Offsite waste/borrow area location	ON SITE
- 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 DFW 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.



**STANDARD AND SPECIFICATIONS FOR SILT FENCE**

Maryland SCS/WRA April 1983

**Definition:** A temporary barrier of geotextile fabric (filter cloth) used to intercept sediment laden runoff from small drainage areas of disturbed soil.

**Purpose:** The purpose of a silt fence is to reduce runoff velocity and effect deposition of transported sediment load. Limits imposed by ultraviolet stability of the fabric will dictate the maximum period the silt fence may be used.

**Conditions Where Practice Applies:** A silt fence may be used subject to the following conditions:

1. Maximum allowable slope lengths contributing runoff to a silt fence are listed in the table below:

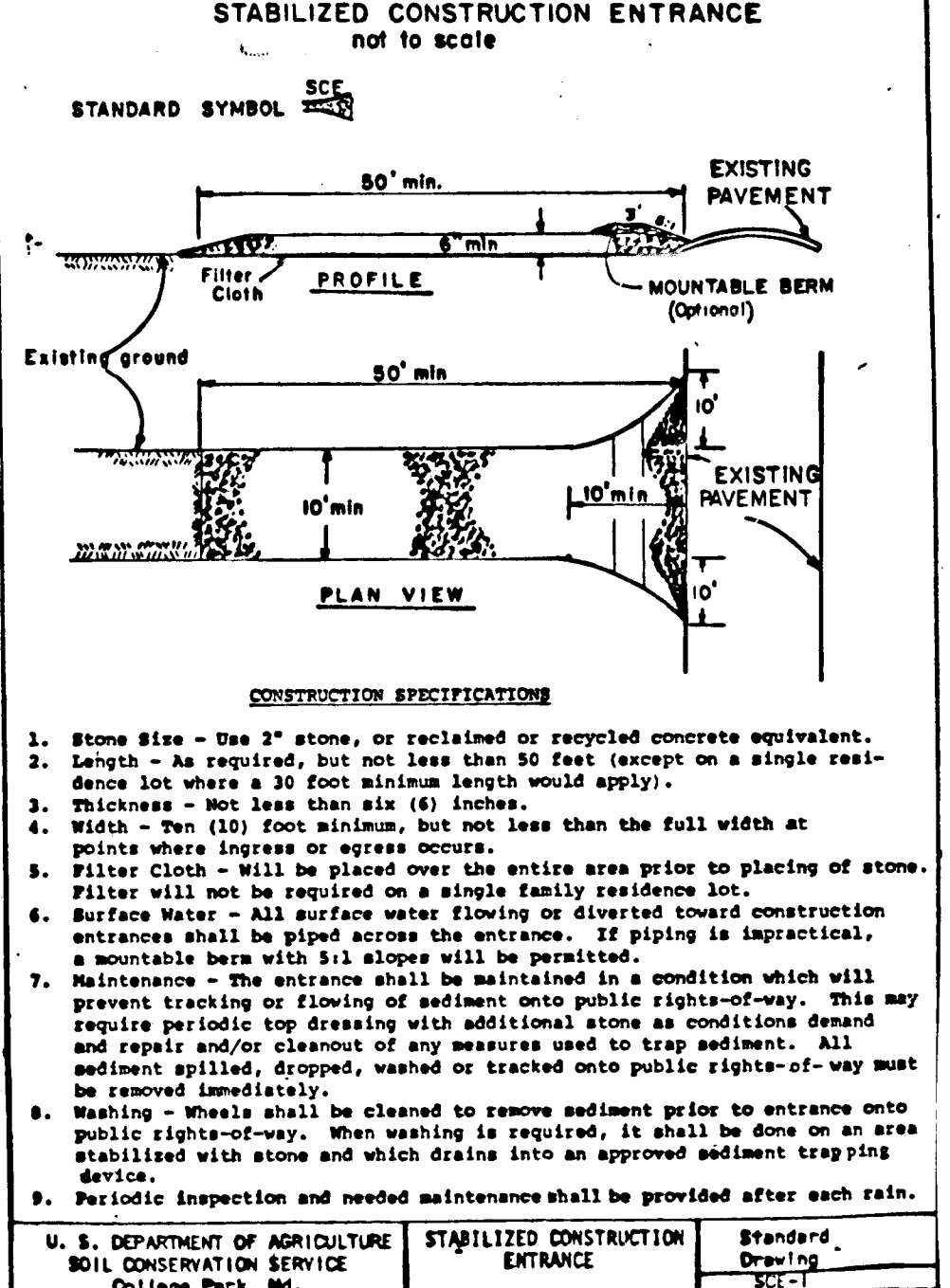
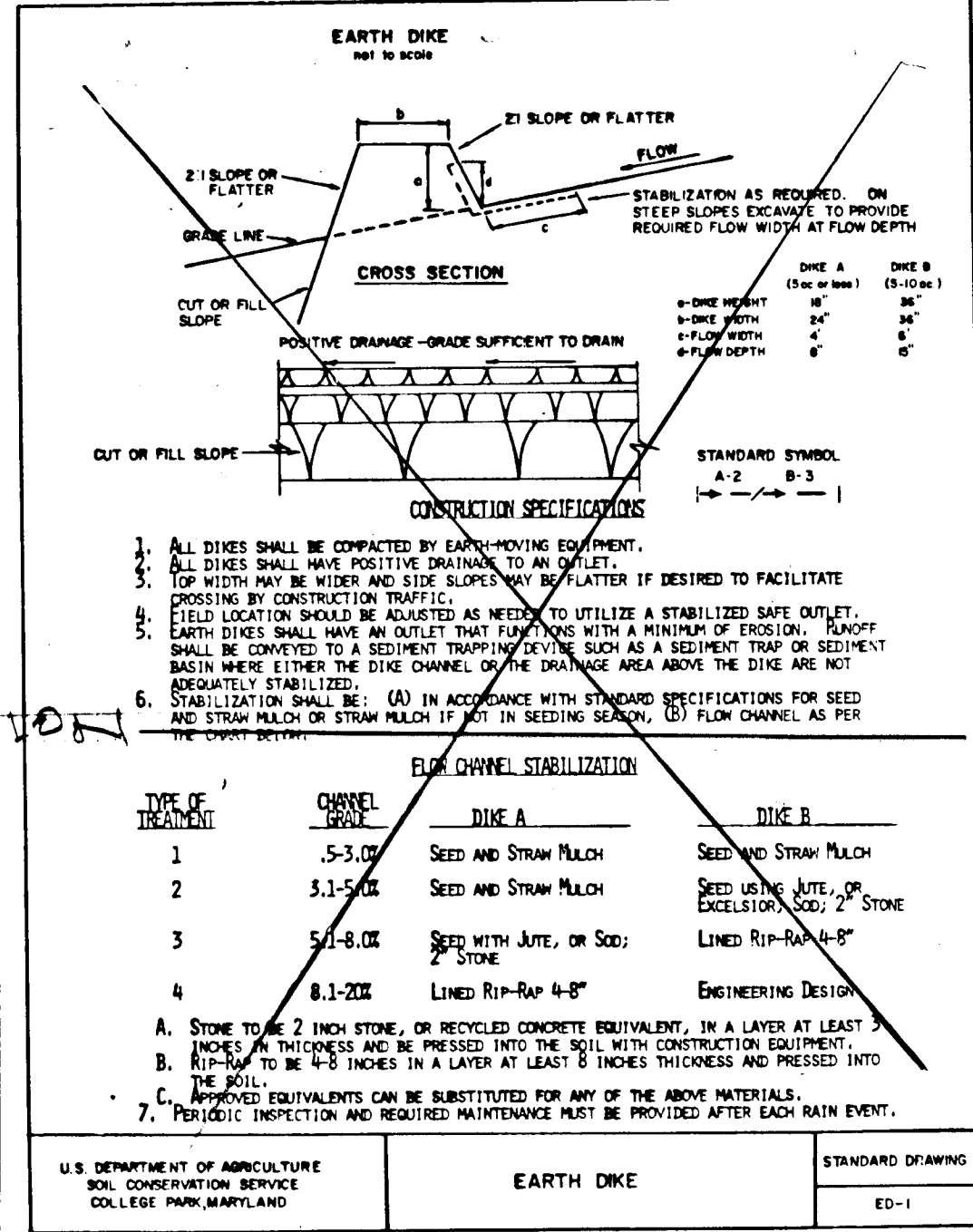
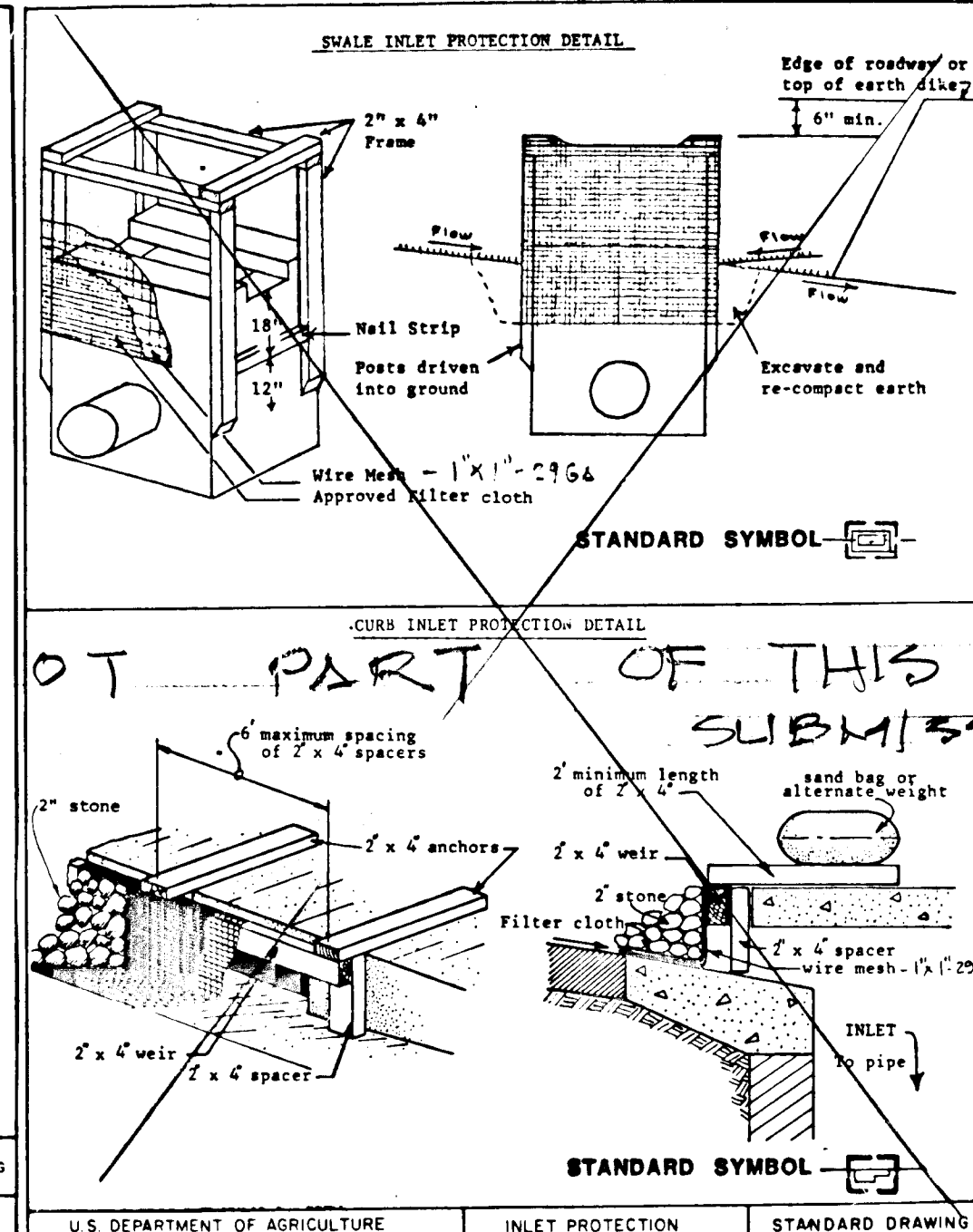
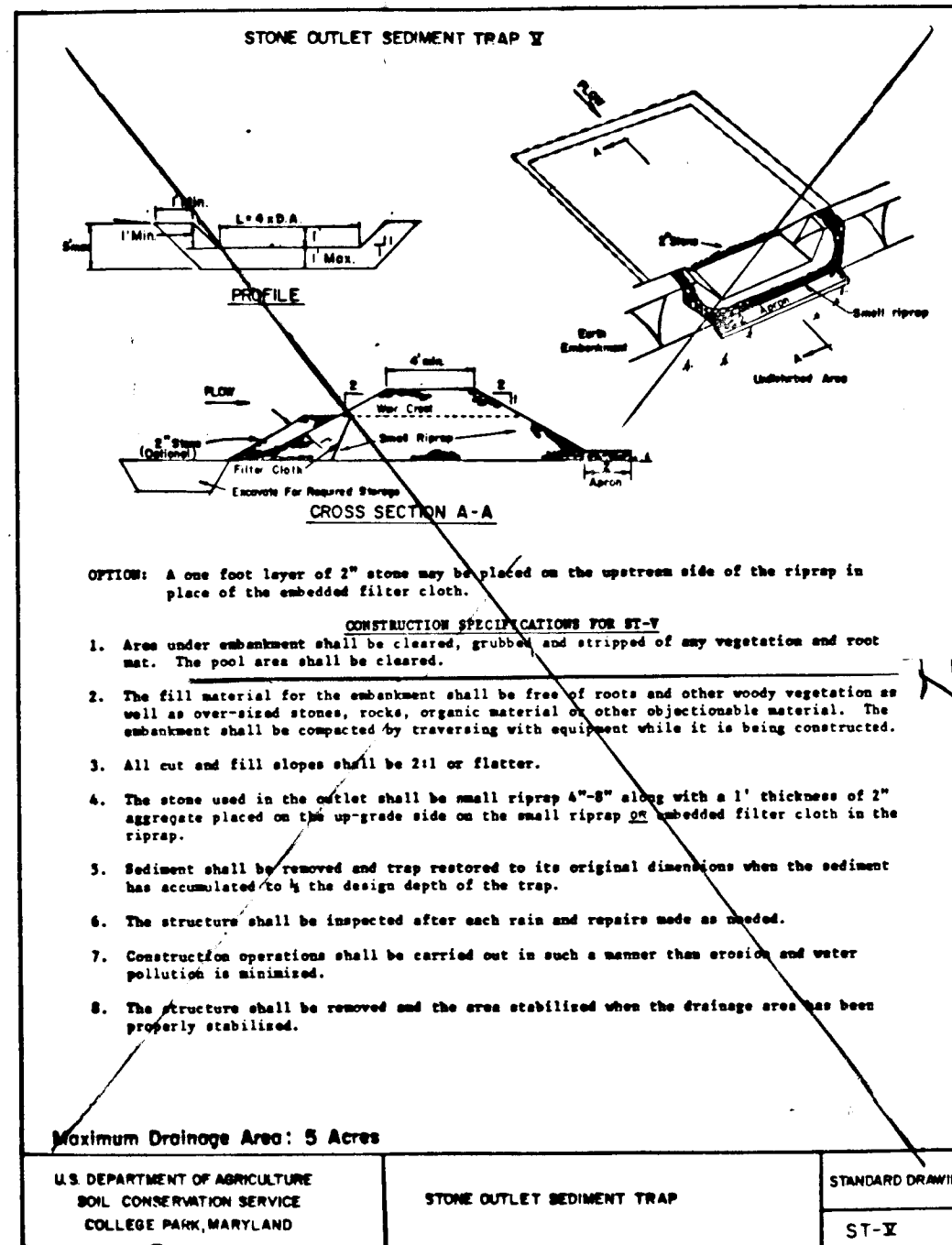
Slope Steepness	Maximum Slope Length (Ft)
2:1	50
3:1	75
4:1	125
5:1	175
Flatter than 5:1	200

2. Maximum drainage area for overland flow to a silt fence shall not exceed 1/4 acre per 100 feet of fence; and
3. Erosion would occur in the form of sheet erosion; and
4. There is no concentration of water flowing to the barrier.

**Design Criteria:** Design computations are not required. All silt fences shall be placed as close to the contour as possible, and the area below the fence must be undisturbed or stabilized.

A detail of the silt fence shall be shown on the plan, and contain the following minimum requirements:

1. The type, size, and spacing of fence posts.



**NOT PART OF THIS SUBMISSION**

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
COLLEGE PARK, MARYLAND

INLET PROTECTION DETAIL  
STANDARD DRAWING  
IPD-1

- SEQUENCE OF CONSTRUCTION: SWM ONLY.**
1. OBTAIN GRADING PERMIT. 2 WEEKS.
  2. CLEAR AND GRUB FOR THE INSTALLATION OF PERIMETER CONTROLS. 2 DAYS
  3. INSTALL SEDIMENT CONTROL MEASURES. 2 DAYS
  4. CLEAR AND GRUB REMAINDER OF SITE. (SWM ONLY) 1 DAY
  5. ROUGH GRADE SITE. STABILIZE AS REQUIRED. 1 DAY (SWM ONLY)
  6. INSTALL SWM INFILTRATION TRENCH 2 WEEKS  
(USE METAL SHORING DEVICE OUTSIDE PERIMETER OF TRENCH, EXCAVATE AS PER DRYING FABRIC, PLACE STONE, REMOVE SHORING, BACKFILL TO GRADE.)
  7. FINE GRADE SITE AND STABILIZE AS REQUIRED. (SWM ONLY) 1 DAY
  8. AFTER FINAL INSPECTION, STABILIZE SITE AS REQUIRED. REMOVE SEDIMENT CONTROL MEASURES AFTER PERMISSION FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

**SEDIMENT CONTROL LEGEND**

EXISTING GRADE = (250)

FINISHED GRADE (OR PROPOSED GRADE) = 260

LIMITS OF DISTURBANCE: [Symbol]

STABILIZED CONSTRUCTION ENTRANCE: [Symbol]

SILT FENCE (WHERE APPLICABLE) = [Symbol]

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*Donald B. Larson* 5/12/89  
CHIEF, LAND DEVELOPMENT DIVISION DATE

*Genevieve W. Weiland* 5/24/89  
CHIEF, BUREAU OF HIGHWAYS DATE

*William S. Ray* 5-31-89  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED BY HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*Debbie J. McCaughy* 6/1/89  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

SEDIMENT CONTROL DETAILS & SPECIFICATIONS FOR STORM WATER MANAGEMENT

LOTS 1, 2 & 3  
COVEY PROPERTY  
A RESUBDIVISION OF LOT 9, BLOCK "B" CEDAR ACRES  
5TH. ELECT. DIST. H.O. CO. MD.  
SCALE: N.A. DATE: 12-10-88

ENGINEERS: JOHN C. MELLEMA SR., INC.  
6100 BALTO. NATIONAL PIKE  
BALTO. MD. 21228  
744 8883

OWNER: BOBBY COVEY  
6910 O'CONNOR DRIVE  
HANOVER, MD. 21070

SEDIMENT CONTROL

( ) Provide the following certification blocks on sediment control plans:

( ) By the Developer:  
"I/We certify that all development and construction will be done according to this plan, 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 before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

*Samuel D. Long* 5/9/89  
Signature of Developer Date

( ) By the Engineer:  
"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

*John A. Schumler* 5/9/89  
Signature of Engineer Date

( ) Reviewed for HOWARD S.C.D. and State Technical Requirements  
U.S. Soil Conservation Service Date

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

*Stephen L. [Signature]* 5/9/89  
Howard S.C.D. Date

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