

SEDI-MENT CONTROL

- 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. (992-2477)
- 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 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 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: 0.3821 Acres
 - Area Disturbed: 0.4587 Acres
 - Area to be roofed or paved: 0.0835 Acres
 - Area to be vegetatively stabilized: 0.3752 Acres
 - Total Cut: 285 Cu. yds
 - Total Fill: 1000 Cu. yds
 - Offsite waste/borrow area location: N/A
- 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) If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
- 12) All pipes to be blocked at the end of each day (see detail below). N/A
- 13) The total amount of straw bale dikes/silt fence equals N/A L.F.

GENERAL NOTES:

1. The Land included is zoned R-20.
2. All coordinates are based on the Maryland State Grid System.
3. The area covered is located on Tax Map #24, P.702.
4. All roadways are public and existing.
5. The total area is 0.3821 Acres.
6. The total number of lots is 1.
7. Any damage to county owned rights-of-way shall be corrected at the owners expense.
8. The contractor or developer shall contact the Construction Inspection/Survey Division, 24 hrs. in advance of commencement of work, at 792-7272.

Reviewed for... Howard ... S.C.D.
Name and meets Technical Requirements
[Signature] Date 7-1-85
Signature Date
U.S. Soil Conservation Service

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

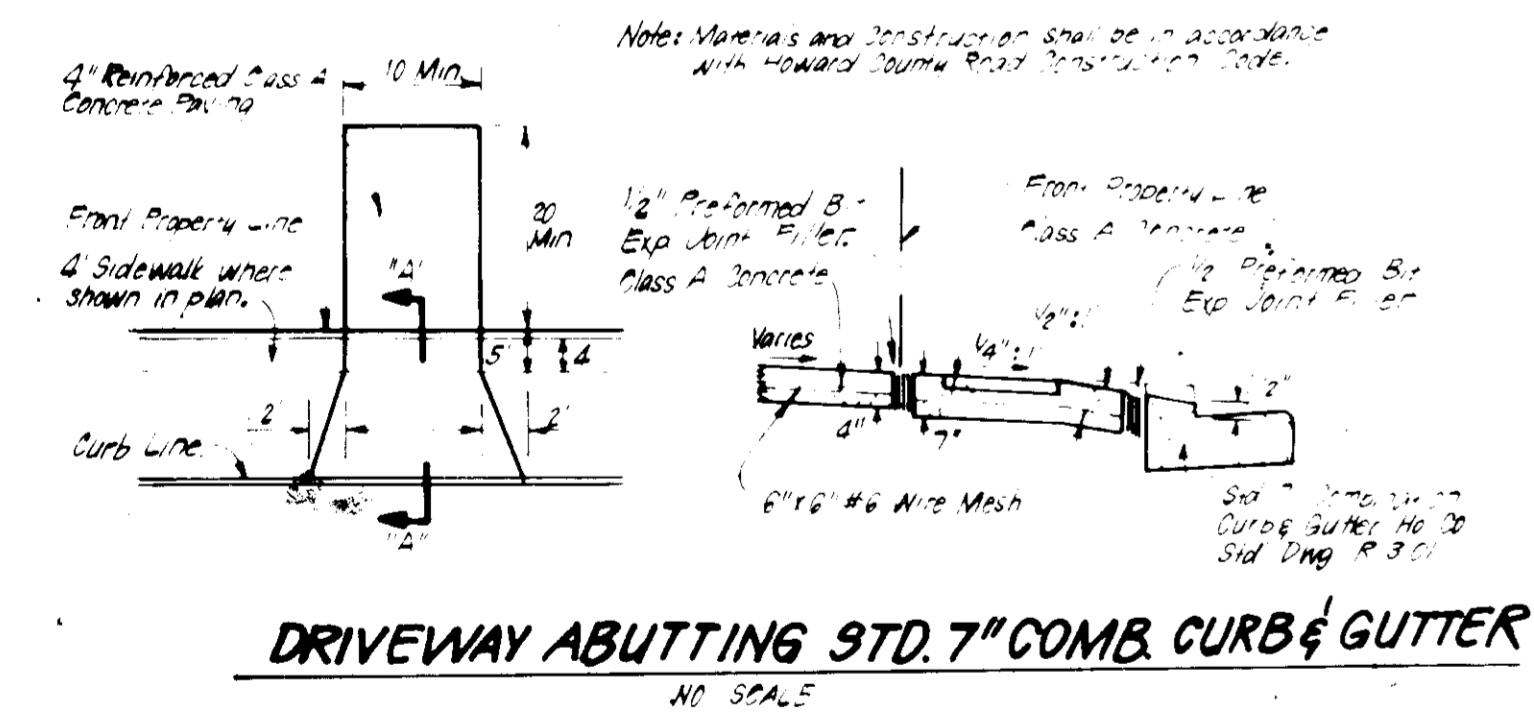
[Signature] Approved
[Signature] Date

DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. 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 or their authorized agents, as are deemed necessary."

[Signature] 5-9-85
Signature of Developer/Builder
J.D. EVANS

APPROVED
DIVISION OF LAND DEVELOPMENT & PLANNING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 6-24-85
[Signature]



LEGEND:

1. Erosion Control
2. Sediment Trap
3. Storm Drainage
4. Earth Dike
5. Stabilized Construction Entrance
6. Direction of Drainage
7. Shoring To Be Saved
8. Earth Dike
9. Stabilized Construction Entrance
10. Stone Outlet Sediment Trap

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] DATE 7-8-85
COUNTY HEALTH OFFICER

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] DATE 7-9-85
PLANNING DIRECTOR

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] DATE 7-9-85
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

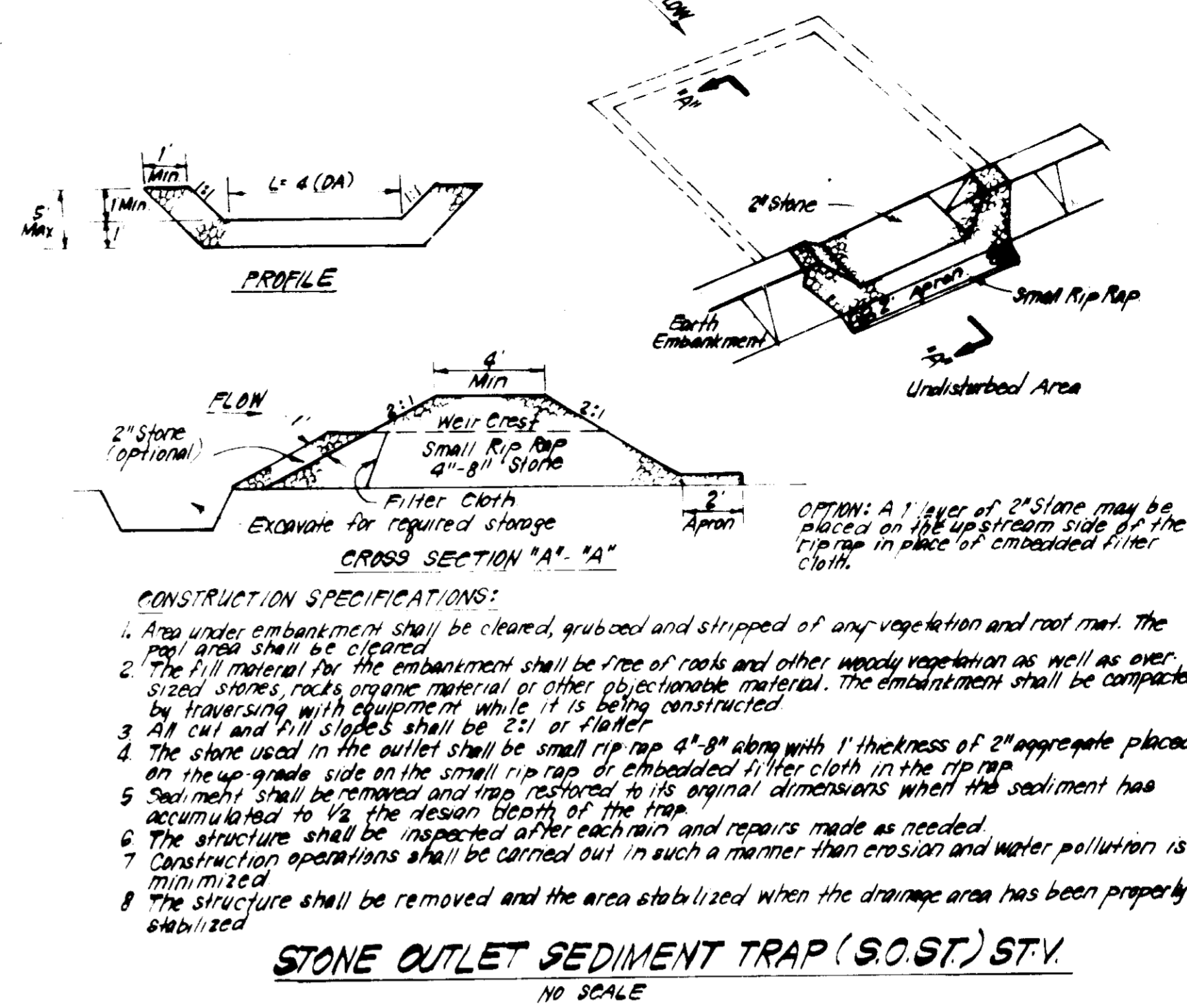
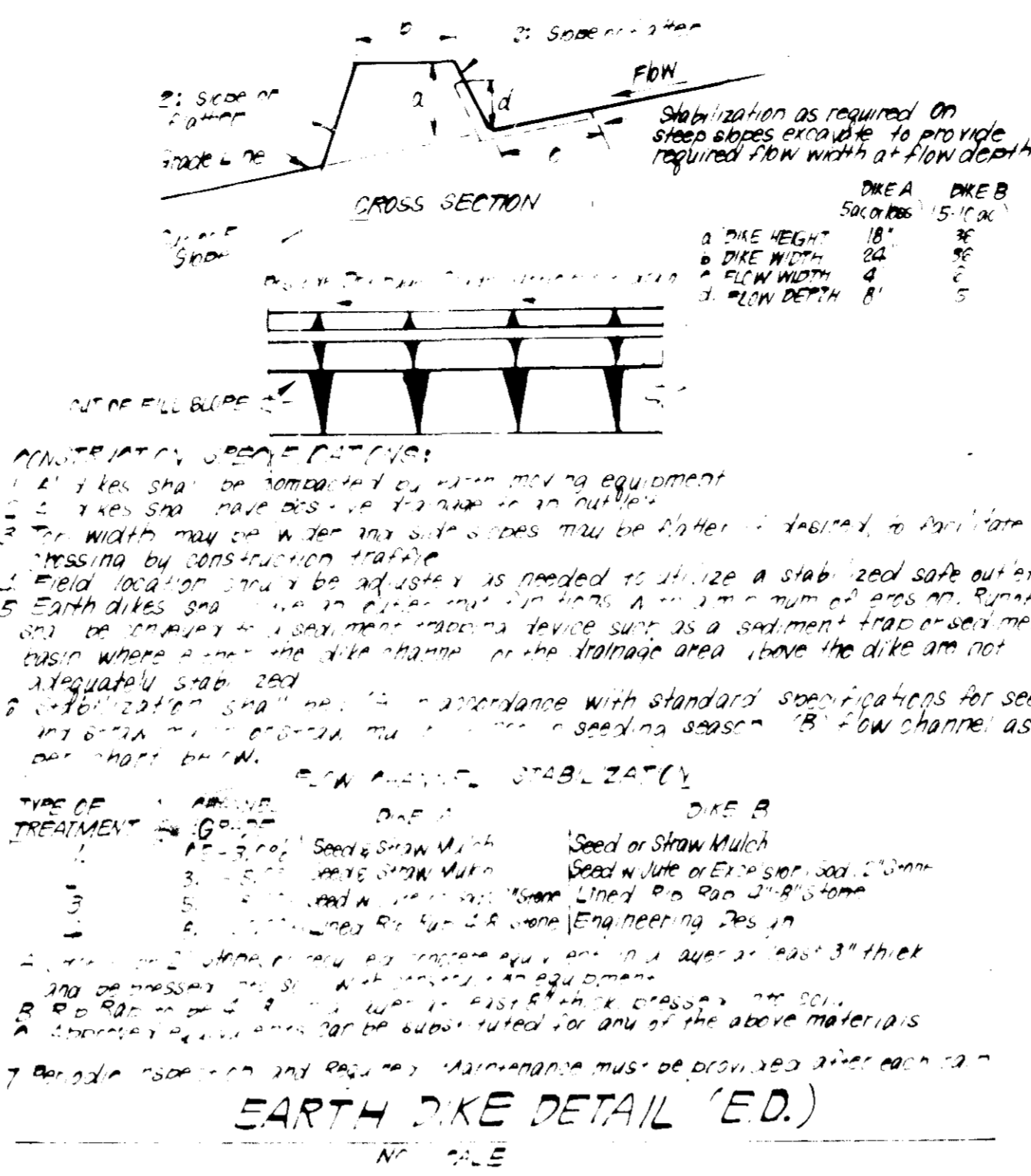
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] DATE 7-9-85
DIRECTOR

CHIEF BUREAU OF ENGINEERING
[Signature] DATE 7-9-85

CONSTRUCTION SPECIFICATIONS

1. Structure shall be constructed of concrete or masonry.
2. Length shall be at least 50 feet, except in single residence where a 30-foot minimum length would apply.
3. Thickness shall be not less than six (6) inches.
4. Width shall be not less than 18 inches, except in single residence where a 12-inch width would apply.
5. Filter Cloth shall be placed over the entire area prior to construction of stone. Filter cloth shall be secured and single family residence.
6. Surface Water: All surface water flowing or gushing into a construction entrance shall be directed to the entrance. Filter cloth, apron, and berm shall be maintained.
7. Maintenance: The entrance shall be maintained in a condition which will prevent tracking of sediment onto public rights-of-way. This may require the use of a top dress with straw mulch, stone or straw mats, and/or regular and frequent cleaning of any measures used to trap sediment. Sediment shall be cleaned, washed or tracked onto public rights-of-way and must be removed immediately.
8. Washing: Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after construction.

STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE



- CONSTRUCTION SPECIFICATIONS:**
1. Trap under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 2. The fill material for the embankment shall be free of rocks and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by raking with equipment or while it is being constructed.
 3. All cut and fill slopes shall be 2:1 or flatter.
 4. The stone used in the outlet shall be small rip rap 4"-8" along with 1" thickness of 2" aggregate placed on the up-grade side on the small rip rap or embedded filter cloth in the rip rap.
 5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to the design depth of the trap.
 6. The structure shall be inspected after each rain and repairs made as needed.
 7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

PERMANENT SEEDING NOTES

- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- Soil 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 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 (4.95 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 29, 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 15 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 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 3 1/2 gallons per acre (8 gal/1000 sq ft) for anchoring.

Inspection - 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.
- Soil 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 the periods March 1 thru April 30 and from August 15 thru November 15, seed with 20 lbs per acre of annual ryegrass (1.4 lbs/1000 sq ft). For the period May 1 thru August 15, seed with 10 lbs per acre of weeping lovegrass (0.7 lbs/1000 sq ft). For the period November 16 thru February 29, 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 15 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 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 3 1/2 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 site and methods not covered.

SUBDIVISION NAME BOUNTY VISTA		SECTION/AREA 3	LOT/ 9
FLAT # 617	BLOCK # 3	ZONE R-20	TAX MAP REF. 24, P. 702
LOT STREET ADDRESS 9 9617 Ashmede Drive		WATER CODE F14	SEWER CODE 592000



ENGINEER'S CERTIFICATE

I hereby 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.

[Signature] 5-13-84
Date

CLARK FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11317 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 583-3400

DESIGNED J.L.S.	SITE DEVELOPMENT PLAN & SEDIMENT AND EROSION CONTROL PLAN LOT 9	SCALE 1"=30'
DRAWN V.L.B.		DRAWING 10F-1
CHECKED J.L.S.	SECTION ONE 2ND EROSION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 85-04
DATE 5-10-85		FILE NO. 85-014 X

FOR: **J.D. EVANS, INC. 5391 Light House Court Columbia, MD 21046**