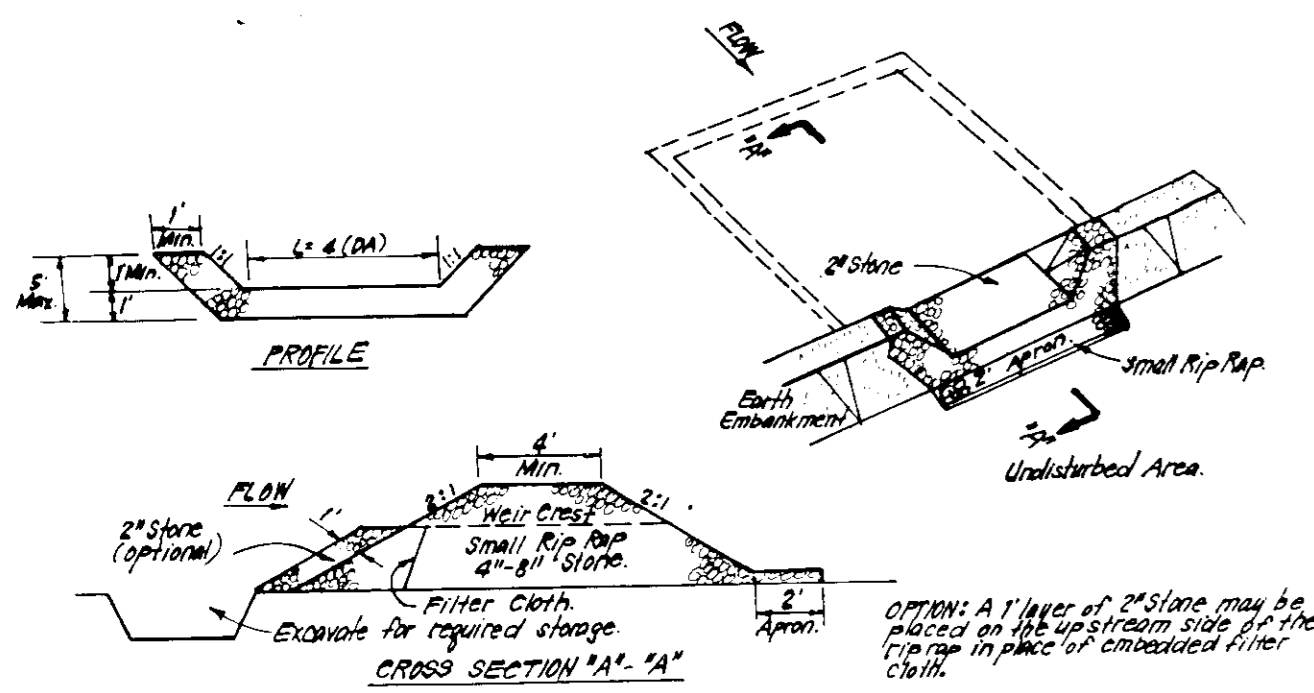


Reddick Property Partnership hereby authorizes Diversified Housing Corporation to utilize the existing sediment and erosion control measures shown on plan F-87-21 for sediment and erosion control for this project. If Reddick Property Partnership removes the existing sediment and erosion control measures prior to completion of SDP 87-175, a revised sediment and erosion control plan shall be required.

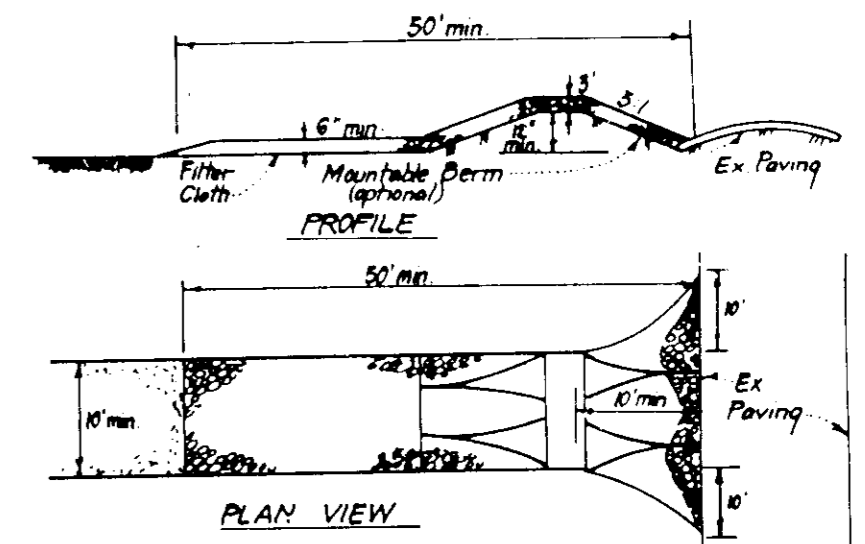


- CONSTRUCTION SPECIFICATIONS:**
1. Trap under embankment shall be cleared, graded and stripped of any vegetation and root mat. The trap shall be 2' wide at the crest.
 2. The filter cloth shall be free of rips and other weak spots. The filter cloth shall be compacted. The filter cloth shall be 2' wide at the crest.
 3. All cut and fill slopes shall be 2:1 or flatter.
 4. The stone used in the filter shall be small rip-rap 4-8" along with 1" thickness of 2" aggregate placed on the up-slope side of the small rip-rap or check dammed filter cloth in the rip-rap.
 5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 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.

STONE OUTLET SEDIMENT TRAP (S.O.S.T.) STV.
NO SCALE

TRAP NO. 2 S.O.S.T. V

Drainage Area	2.62 Acres
Storage Required	4716 CF
Storage Provided	4900 CF
Top of Stone Crest	441.00
Bottom Elevation	438.00
Storage Depth	3'
Bottom Dimension	31' x 31'
Clean out Elevation	438.00

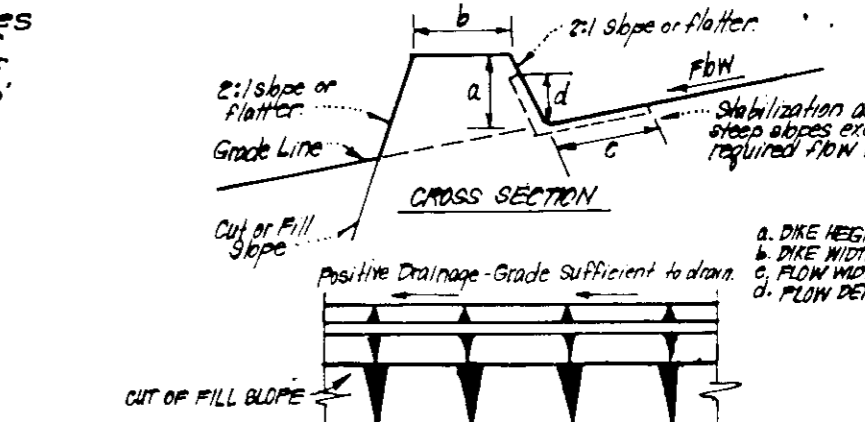


- CONSTRUCTION SPECIFICATIONS:**
1. Stone size - Use 2" stone or equivalent or recycled concrete equivalent.
 2. Length - As required, but not less than 50' (except on a single residence lot where a 30' foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (10) foot minimum, but not less than the full width of points where ingress or egress occurs.
 5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
 6. Surface Water - All surface water flowing or diverted toward construction entrances shall be passed across the entrance. If piping is impractical, a mountable curb with 3" depth will be permitted.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment into public rights-of-way. This may require periodic watering with additional stone as conditions demand and repair and/or clearing of any material used to trap sediment. All sediment shall be disposed, washed or tracked onto public rights-of-way must be removed immediately.
 8. Weeping - Weeds shall be cleared to remove sediment prior to entrance onto public rights-of-way. When weeding 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 each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE

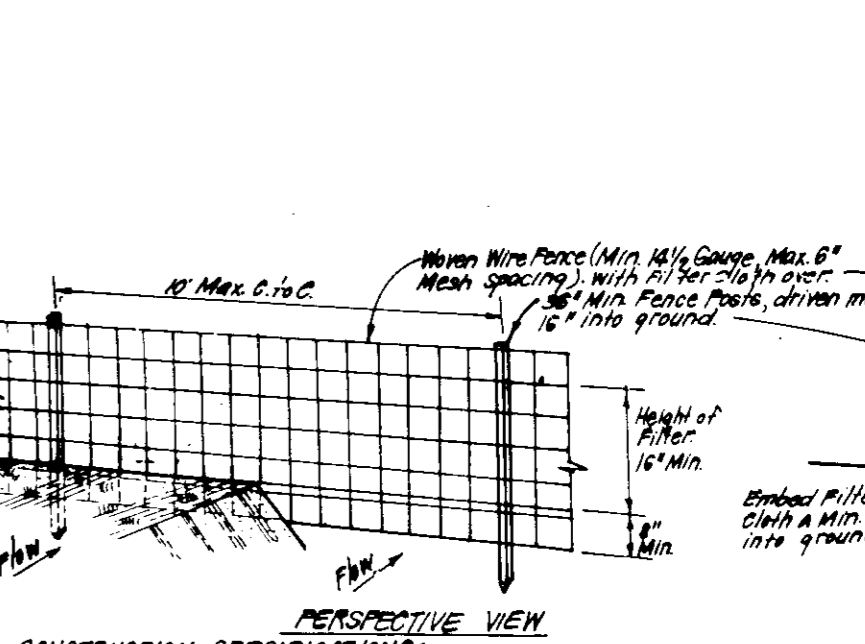
Existing Stone Outlet Trap (F-87-28)

Drainage Area	2.04 Acres
Storage Required	2472 CF
Storage Provided	2402 CF
Bottom Dimension	50' x 45'
Depth	2.2'
Weir Crest Elevation	431.2'
Bottom Elevation	428.0'
Cleanout Elevation	428.0'



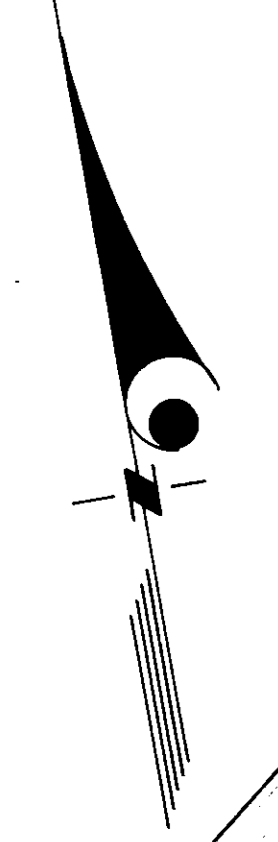
- CONSTRUCTION SPECIFICATIONS:**
1. All dikes shall be constructed by earth-moving equipment.
 2. All dikes shall have positive drainage to an approved outlet.
 3. Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
 4. Areas of erosion shall be stabilized as needed to utilize a stabilized safe outlet.
 5. Earth dikes shall have an outlet that functions with a minimum of erosion. Repair shall be completed to a sediment trapping device such as a sediment trap or sediment basin where the outlet 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 (after in seeding season), (B) flow channel as per chart below.

EARTH DIKE DETAIL (E.D.)
NO SCALE



- CONSTRUCTION SPECIFICATIONS:**
1. When wire fence is installed securely to fence posts with wire ties or staples.
 2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 30" at top and mid section.
 3. When 2 sections of filter cloth join each other they shall be overlapped by 2" and stapled.
 4. Maintenance shall be determined as needed and material removed when "bulges" develop in silt fence.

SILT FENCE DETAIL (S)
NO SCALE



Reviewed for HOWARD S.C.D. Name and meets Technical Requirements of Howard County Department of Planning and Zoning. Signature: [Signature] Date: 9-22-87 U.S. Soil Conservation Service

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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT. COUNTY HEALTH OFFICER: [Signature] DATE: 9-28-87. APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING. PLANNING DIRECTOR: [Signature] DATE: 10-1-87. 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. DIRECTOR: [Signature] DATE: 9-24-87. CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 9-23-87.

APPROVED: [Signature] DATE: 9-4-87

TURF VALLEY OVERLOOK SECTION 1 AREA 2 PLAT 2215

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] DATE: 8-3-87

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] DATE: 8/4/87

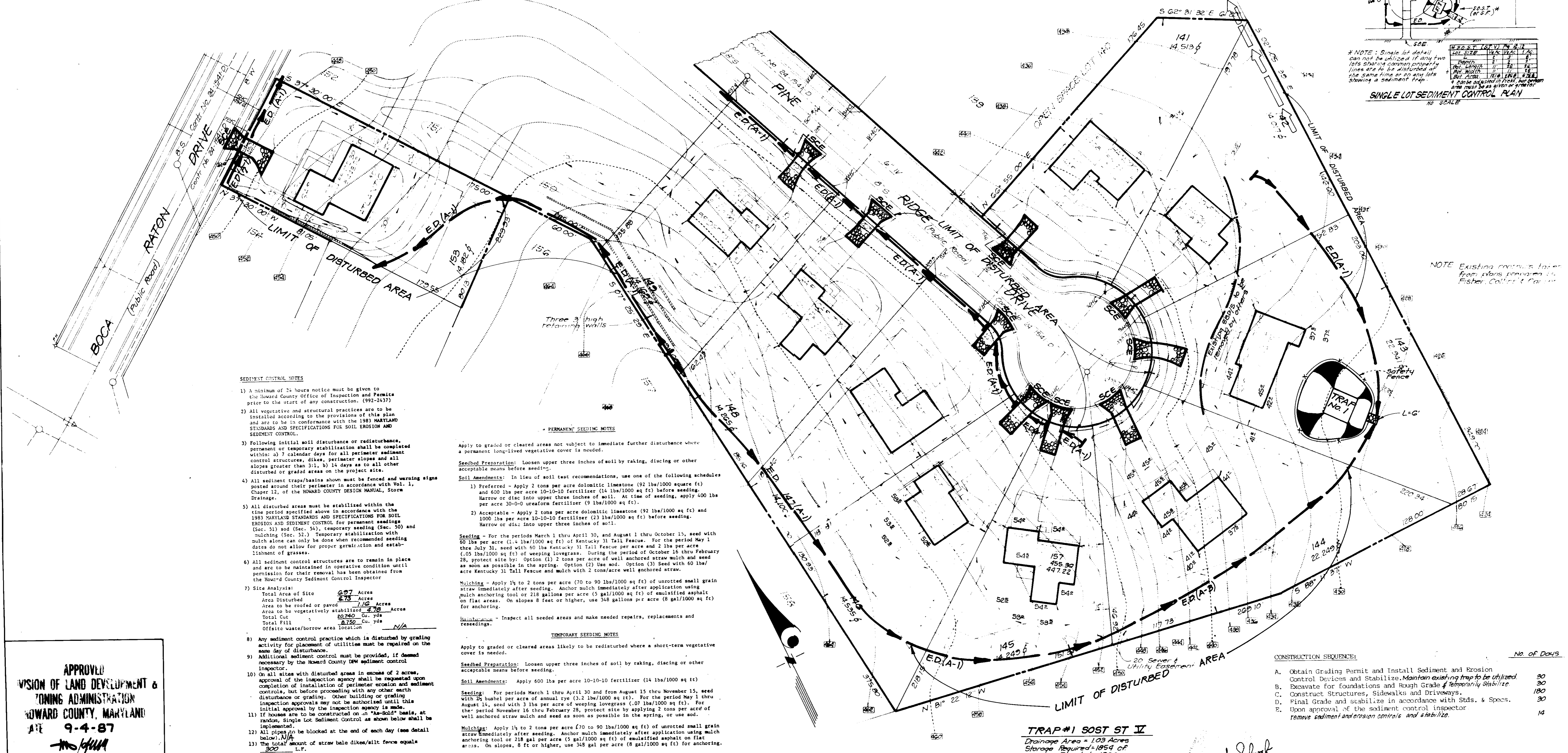
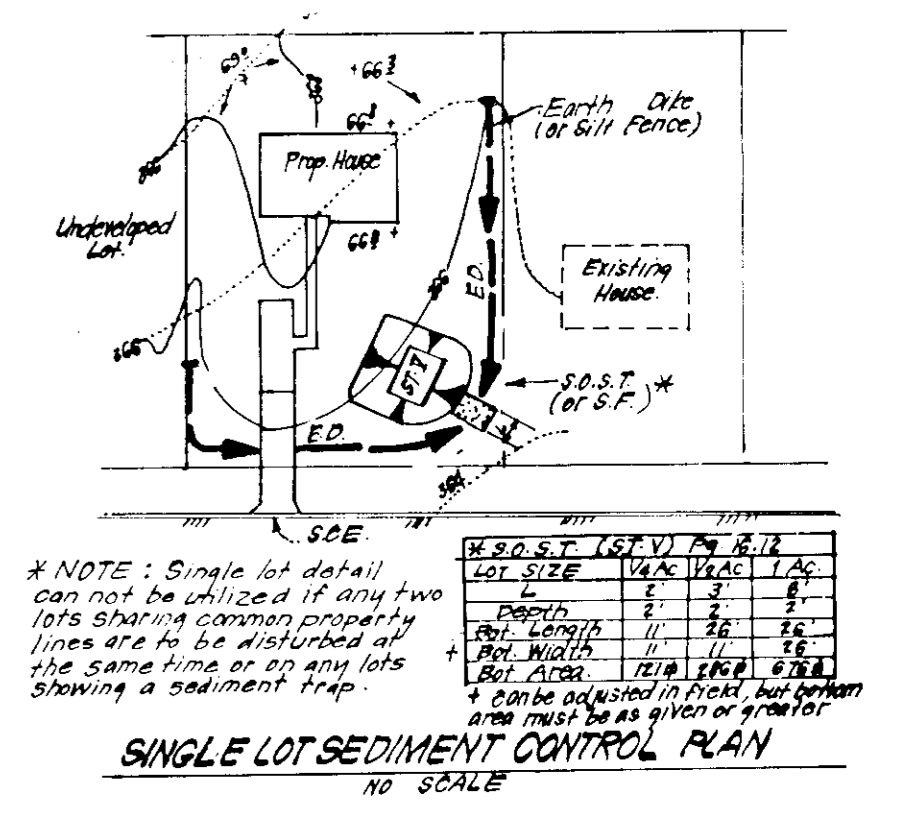
CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7800 • BALTO. • EIGHTH & BUCK WASH.

DESIGNED	MLB	SCALE	1" = 80'
DRAWN	BAL	DRAWING	3 of 4
CHECKED	MLB	JOB NO.	06-120
DATE	July, 1987	FILE NO.	06-120-55

SEDIMENT & EROSION CONTROL PLAN
LOT 133-135, 141-153
TURF VALLEY OVERLOOK
SECT. 1 AREA 2
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR Diversified Homes, M.L.P. of Md.
10706 Charter Drive #400
Columbia, Maryland 21046

SDP-88-23

LEGEND:
 1. Existing Contour
 2. Proposed Contour
 3. Spot Elevation
 4. Direction of Drainage
 5. Walk Out Basements
 6. Trees to be Removed
 7. Retain Walls



SEEDING CONTROL NOTES

- 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. (93-2337)
- 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.
- Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within 30 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, 14 days as to all other disturbed or graded areas on the project site.
- 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.
- 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) and (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 Area of Site: 6.97 Acres
 Area Disturbed: 7.16 Acres
 Area to be roofed or paved: 4.78 Acres
 Area to be vegetatively stabilized: 2.78 Acres
 Total Cut: 20,740 Cu. Yds.
 Total Fill: 8,130 Cu. Yds.
 Office waste/borrow area location: N/A
- 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 control must be provided, if deemed necessary by the Howard County DEW sediment control Inspector.
- 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.
- If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
- All pipes shall be blocked at the end of each day (see detail below). N/A
- The total amount of straw bale dikes/silt fence equals 300 L.F.

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 schedules

- 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).
- 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.

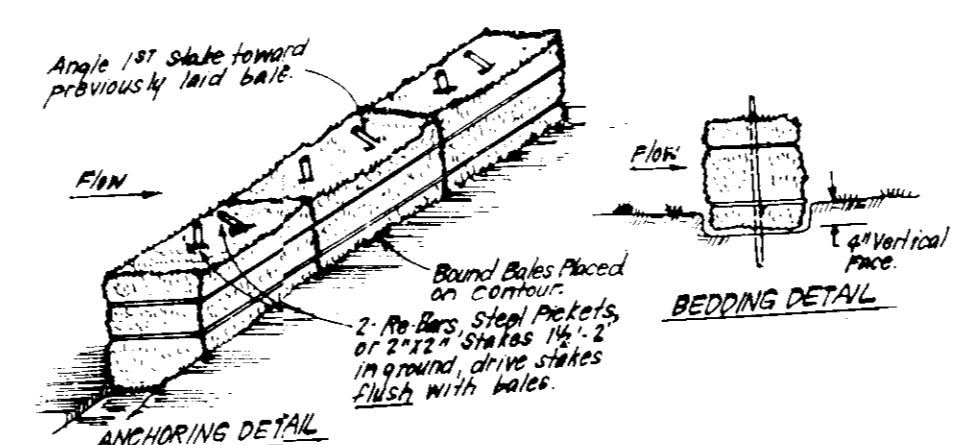
Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 35 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 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 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.

TRAP #1 SOST ST II
 Drainage Area = 1.03 Acres
 Storage Required = 1854 cf
 Storage Provided = 1936
 Top of Stone Crest = 428.00
 Bottom Elevation = 424.00
 Storage Depth = 4.0'
 Bottom Dimension = 18' x 18'
 Clean out Elevation = 426.00



APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 9-4-87

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE 9-28-87

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: [Signature] DATE 10-1-87

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE 9-23-87

Reviewed for: **HOWARD** S.C.D.
 Name: [Signature]
 and meets Technical Requirements
 Signature: [Signature] Date: 9-23-87
 U.S. Soil Conservation Service

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

Approved: [Signature] Date: [Blank]

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 of Developer/Builder: [Signature] Date: 9-23-87

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: [Signature] Date: 8/4/87

CONSTRUCTION SEQUENCE:

NO.	DESCRIPTION	NO. OF DAYS
A.	Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize. Maintain existing trap to be utilized	30
B.	Excavate for foundations and Rough Grade & temporarily stabilize	180
C.	Construct Structures, Sidewalks and Driveways.	30
D.	Final Grade and stabilize in accordance with Stds. & Specs.	30
E.	Upon approval of the sediment control inspector remove sediment and erosion controls and stabilize.	14

CLARK • FINEROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

115 MINNIEWAY • COLUMBIA, MD 21046 • TEL: (301) 751-1111

DESIGNED MLB	SEDIMENT & EROSION CONTROL PLAN LOTS 133-135 & 141-153 TURF VALLEY OVERLOOK SECTION ONE AREA TWO	SCALE 1" = 30'
DRAWN BAL		DRAWING NO. 4 of 4
CHECKED MLB	2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 86-124
DATE July 1987	FOR Diversified Homes M.L.P. of Md. 10725 Shantel Drive #200 Columbia, Maryland 21044	FILE NO. 86-124 SE