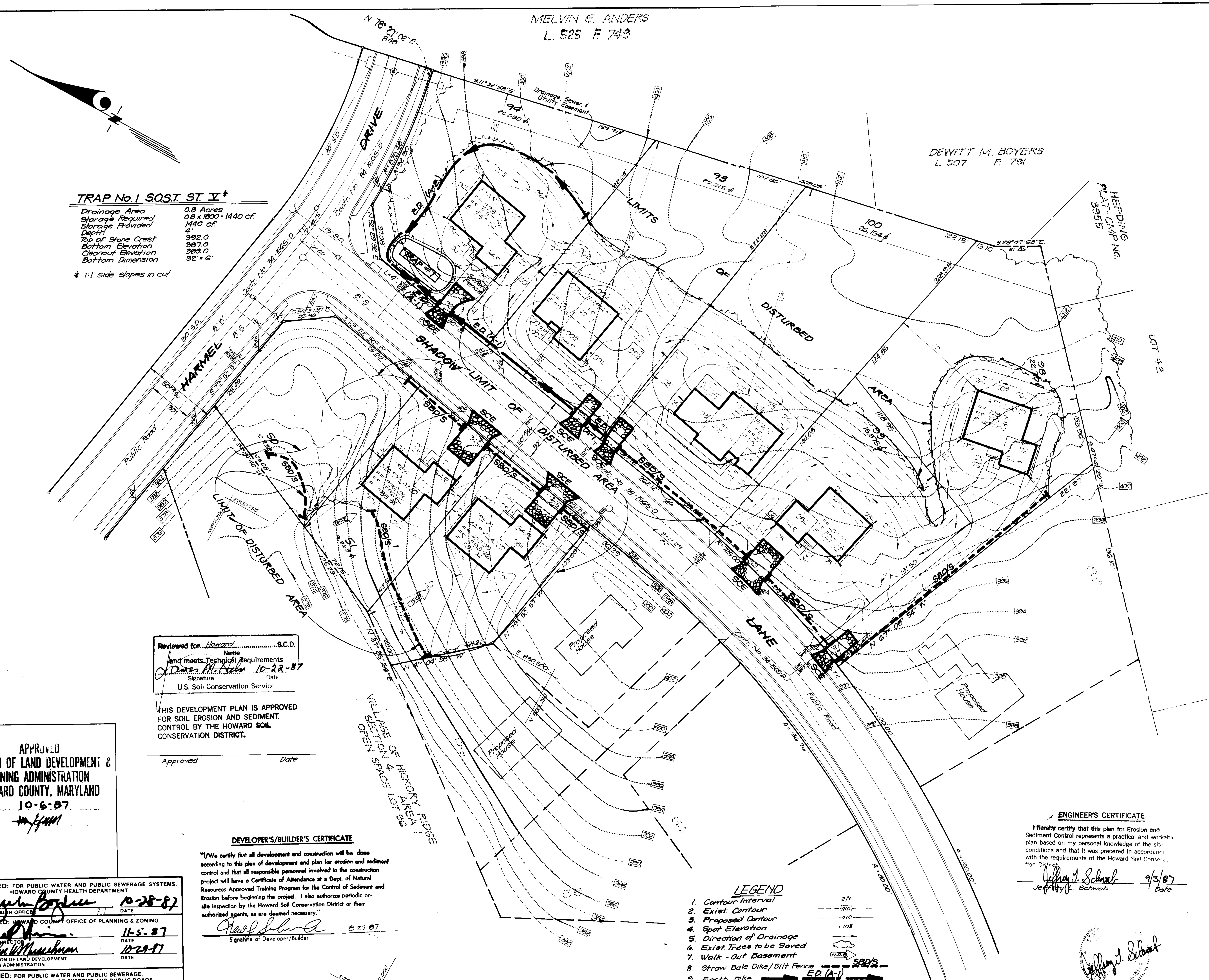
GENERAL NOTES:
1. The land included is zoned: New Town S.F.L.D.
2. Coordinates are based upon The Maryland State Plane Coordinate System. Reference Howard County Control Points # 2639002 & 2639003.
3. All roads are public and existing.
4. Any damage to county owned rights-of-way to be corrected at the Developers expense.
5. Total Area included: 2.8844 Acres
6. Total number of lots: 7
7. Reference Final Development Plan: Phase 181, Part VI Plat 3054 A-859 Thru 862.
8. The contractor or Developer shall contact the Construction Inspection/Survey Division, 24 hours in advance of commencement of work at 792-2630.
9. Maximum building coverage is 30% per lot.
ADDRESS CHART
51 10906 SHADOW LANE
52 10910 " "
93 10909 " "
94 10905 " "
98 10921 " "
99 10917 " "
100 10913 " "
VICINITY MAP
SCALE: 1" = 2000'
MELVIN E. ANDERS
L. 525 F. 748
ZONED R-20
DEWITT M. BOYERS
L 507 F 791
ZONED R-20
JOSEPH F. DECHEUBEL
Liber 507 Folio 591
ZONED R-20
CHARLES R. COMPTON
Liber 695 Folio 225
ZONED R-20
V.O.H.R. 4/1
PLAT 7068
ZONED NTSFLD
HARMEL DRIVE
SHADOW LANE
Public Road
Proposed House
Check sewer house connection elevation at property line prior to construction.
DRIVEWAY ABUTTING CLOSED SECTION WITH MODIFIED COMB. CURB & GUTTER & SIDEWALK
DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK
MARYLAND
COLUMBIAN
TYPICAL HOUSES
Scale: 1" = 30'
NOTE: All houses have 8" roof eaves front and rear.
COLUMBIAN II
NOTE: Existing contours taken from plans prepared by Kidde Consultants, Inc. F-87-21.
Building Restriction Lines
Front - 20' Min.
Side & Rear - 7.5' Min.
SPECIAL NOTES
1. Approved Road Construction Plans shall be used for all public utilities.
2. Public water & sewer shown for reference only. For more detailed information - see water and sewer plans contract No. 34-1565-D
3. The water & sewer house connections not included in "Developer's Agreement" shall conform to Howard County Plumbing Code. The on-site WHC shall be 1" copper and the SHC shall be 4" iron.
4. Stormwater Management provided for in plans submitted under F-88-120.
LEGEND
1. Contour Interval
2. Exist. Contour
3. Proposed Contour
4. Spot Elevation
5. Direction of Drainage
6. Exist. Trees to be Saved
7. Walk-Out Basement
Subdivision Name: Columbia Village of Hickory Ridge
Sect./Area 4 1
Plat # 7067 & 7277
Block # 17
Zone: N.T. SFLD
Tax/Zone Map 35
Elec. Dist. 5TH
Water Code: E-27
Sewer Code: 6590000 and 6591000
CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904
SITE DEVELOPMENT PLAN
LOTS 51, 52, 93, 94, & 98-100
COLUMBIA
VILLAGE OF HICKORY RIDGE
SECT. 4 - AREA 1
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: Consolidated Home Builders, Inc.
8950 Route 108
Columbia, Maryland 21045
DESIGNED CMS
DRAWN BAL
CHECKED CMS
DATE August 1987
SDP 88-46c
STATE OF MARYLAND
REGISTERED LAND SURVEYOR
DATE 10-6-87
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER
DATE 10-28-87
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR
DATE 11.05.87
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
DATE 10-29-87
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR
DATE
CHIEF BUREAU OF ENGINEERING
DATE



TRAP No. 1 S.O.S.T. ST. V*

Drainage Area	0.8 Acres
Storage Required	0.8 x 1800 = 1440 cf.
Storage Provided	1440 cf.
Depth	4'
Top of Stone Crest	392.0
Bottom Elevation	387.0
Cleanout Elevation	389.0
Bottom Dimension	32' x 6'

* 1:1 side slopes in cut

Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
James M. [signature] 10-22-87
Signature Date
U.S. Soil Conservation Service

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

Approved Date

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 10-6-87
[signature]

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] 8-27-87
Signature of Developer/Builder

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT
[signature] 10-28-87
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
[signature] 11-5-87
PLANNING DIRECTOR DATE
[signature] 10-29-87
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[signature] 10/26/87
DIRECTOR DATE
[signature] 10-26-87
CHIEF BUREAU OF ENGINEERING DATE

LEGEND

1. Contour Interval — 2ft.
2. Exist. Contour — 410
3. Proposed Contour — 410
4. Spot Elevation — +105
5. Direction of Drainage
6. Exist. Trees to be Saved
7. Walk-Out Basement — W.O.B.
8. Straw Bale Dike/Silt Fence — SBD/S
9. Earth Dike — E.D. (A-1)
10. Stabilized Construction Entrance — SCE

ENGINEER'S CERTIFICATE

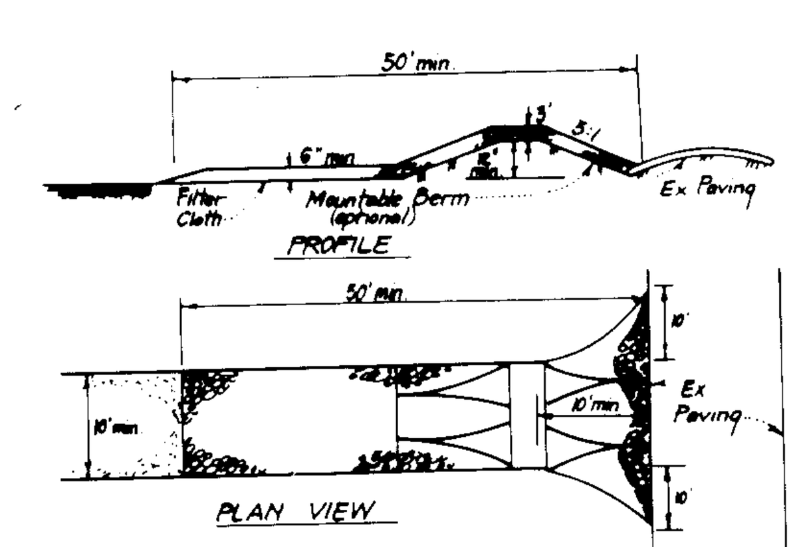
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

[signature] 9/3/87
Jeffrey L. Schwob Date

CLARK · FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

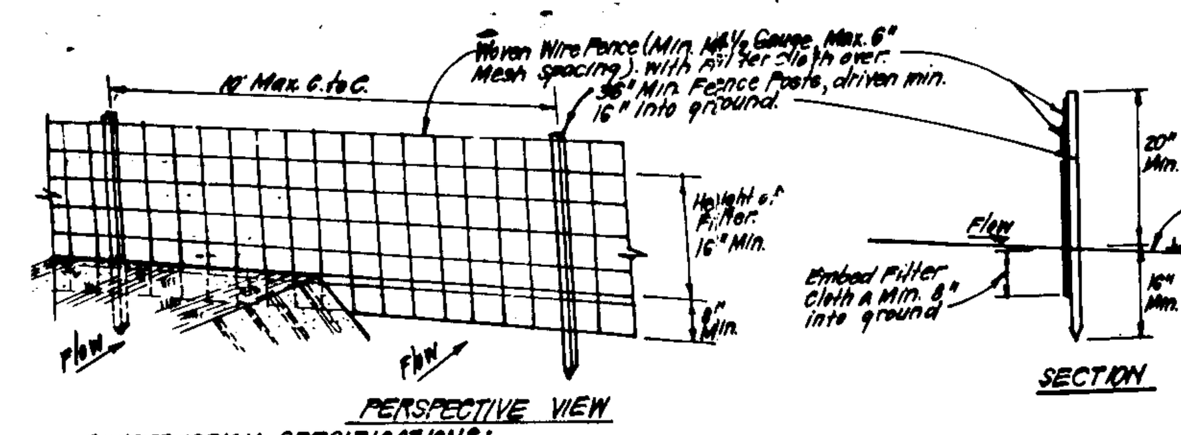
DESIGNED JLS	**SEDIMENT & EROSION CONTROL PLAN** LOTS 51, 52, 93, 94, & 98-100	SCALE 1" = 30'
DRAWN BAL	**COLUMBIA** VILLAGE OF HICKORY RIDGE SECT. 4 – AREA 1	DRAWING 2 of 3
CHECKED JLS	5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 87-008
DATE January 1987	FOR: Consolidated Home Builders, Inc. 8950 Route 108 Columbia, Maryland 21045	FILE NO. 87-008 SE

S.D.P. 88-46c



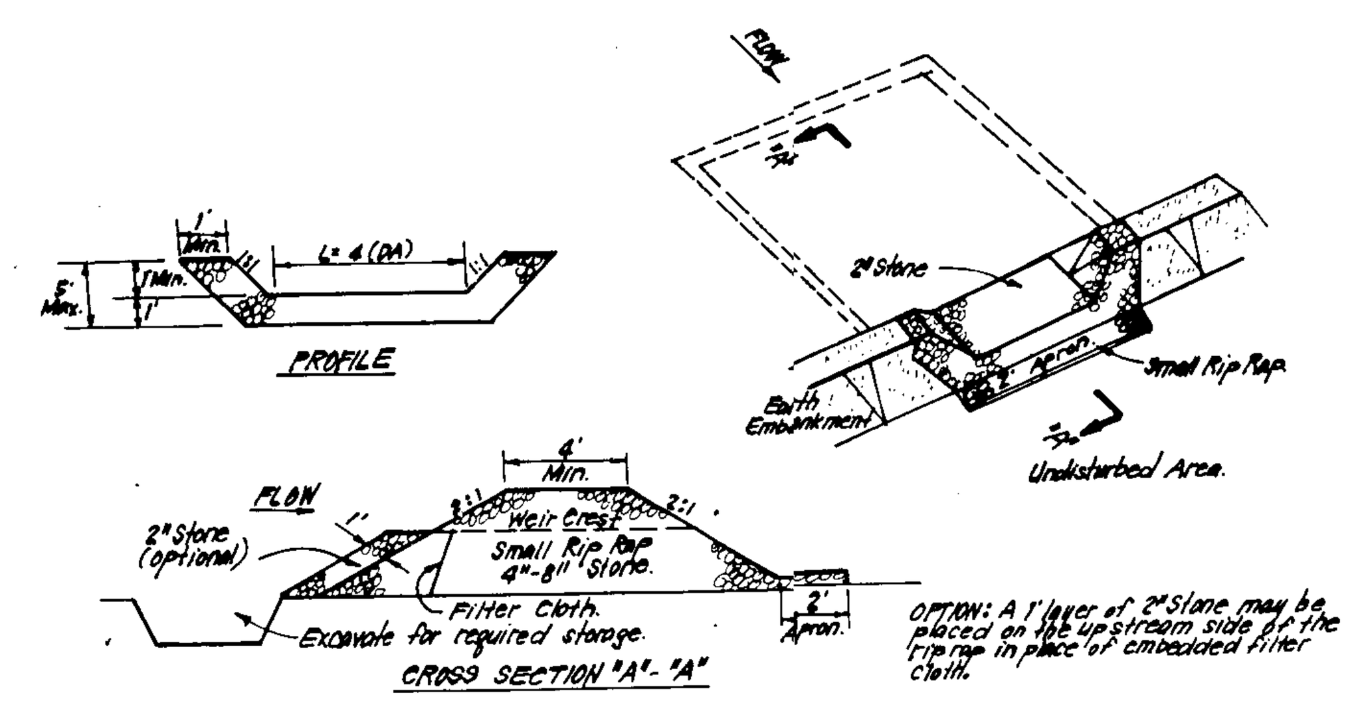
STABILIZED CONSTRUCTION ENTRANCE (SCE)

NO SCALE



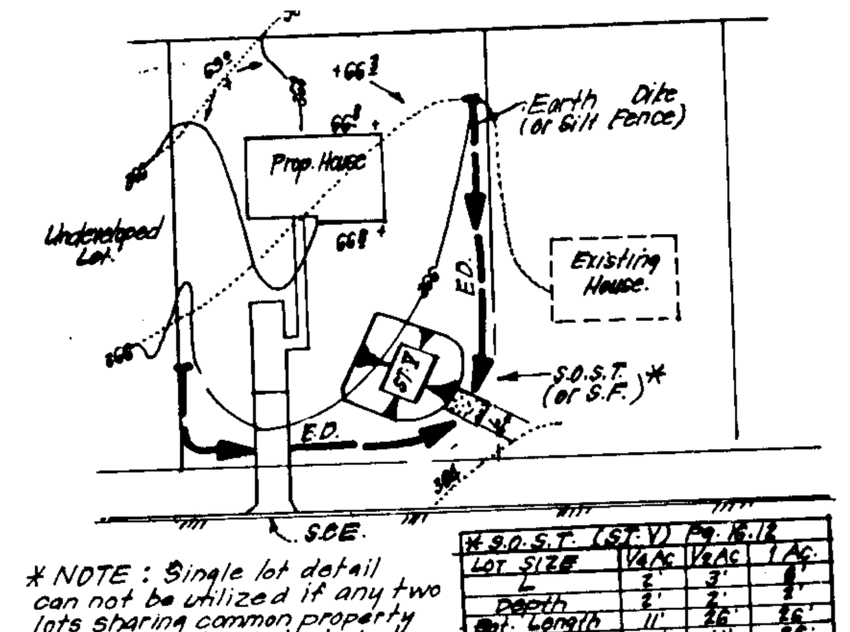
SILT FENCE DETAIL (S)

NO SCALE



STONE OUTLET SEDIMENT TRAP (S.O.S.T.) ST-V.

NO SCALE

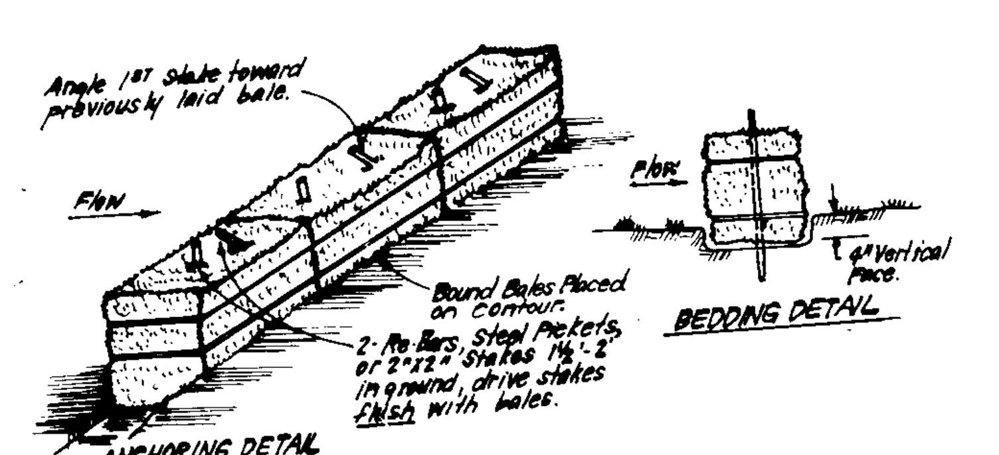


SINGLE LOT SEDIMENT CONTROL PLAN

NO SCALE

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 2.884 Acres
   - Area Disturbed 1.89 Acres
   - Area to be roofed or paved 0.96 Acres
   - Area to be vegetatively stabilized 0.93 Acres
   - Total Cut ____ Cu. yds
   - Total Fill ____ 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-Sold" 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 642 L.F.



STRAW BALE DIKE DETAIL (SBD)

NO SCALE

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

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 thre 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 1½ 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.

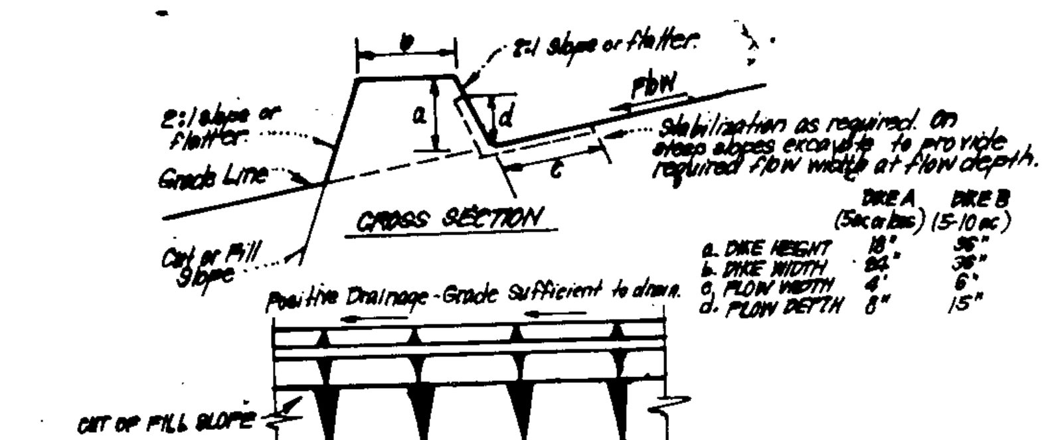
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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 2½ 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 1½ 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.



EARTH DIKE DETAIL (E.D.)

NO SCALE

CONSTRUCTION SEQUENCE:

		No. of Days
A.	Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	7
B.	Excavate for foundations and Rough Grade & Temporarily Stabilize.	30
C.	Construct Structures, Sidewalks and Driveways.	180
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

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 10-6-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 10-28-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR — DATE 11-5-87
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 10-29-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 10/26/87
CHIEF BUREAU OF ENGINEERING — DATE 10-21-87

Reviewed for HOWARD S.C.D.
Name
and meets Technical Requirements
Signature — Date 10-22-87
U.S. Soil Conservation Service

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

Approved — 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 of Developer/Builder — 8-27-87

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.

Jeffrey L. Schwob — 9/3/87 Date

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7200 — BALTO. • (301) 621-8100 — WASH

DESIGNED JLS	SEDIMENT & EROSION CONTROL PLAN LOTS 51, 52, 93, 94, & 98-100 COLUMBIA VILLAGE OF HICKORY RIDGE SECT. 4 - AREA 1 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN BAL		DRAWING 3 of 3
CHECKED JLS		JOB NO. 87-003
DATE August, 1987	FOR: Consolidated Home Builders Inc. 8950 Route 108 Columbia, Maryland 21045	FILE NO. 87-003 SE

SDP 88-46c