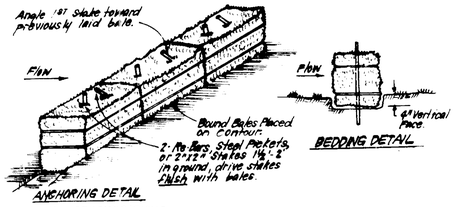
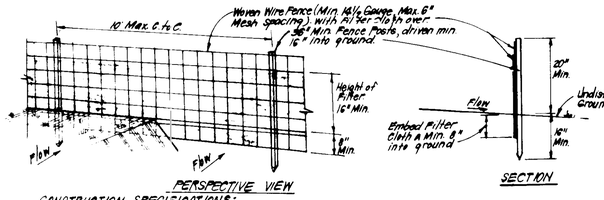


CONSTRUCTION SPECIFICATIONS:

1. Bales shall be placed at the Toe of a Slope or on the contour and in a row with ends tightly abutting the adjacent bales.
2. Each bale shall be embedded in the soil a min. of 4" and placed so the bindings are horizontal.
3. Bales shall be securely anchored in place by either 2 stakes or re-bars driven thru the bale. The 1st stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
4. Inspection shall be frequent and repair replacement shall be made promptly as needed.
5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

STRAW BALE DIKE DETAIL (SBD)

NO SCALE



CONSTRUCTION SPECIFICATIONS:

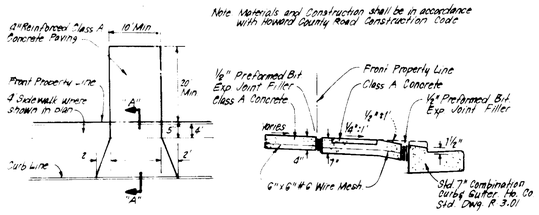
1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and folded.
4. Maintenance shall be performed as needed and material removed when "Bulges" develop in Silt Fence.

POSTS: Steel, either T or U Type or 2" Hardwood.
FENCE: Woven Wire, 14½ Gauge 6" Max. Mesh Opening.
FILTER CLOTH: Filter X, Mirafi 140N, Stabinka, T140N or Approv. equal.
PREFABRICATED UNIT: Geofab, Enviro-Fence, or Approv. equal.

SILT FENCE DETAIL (S)

NO SCALE

Note: Materials and Construction shall be in accordance with Howard County Road Construction Code



DRIVEWAY ABUTTING 7" COMB. CURB & GUTTER

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 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 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.

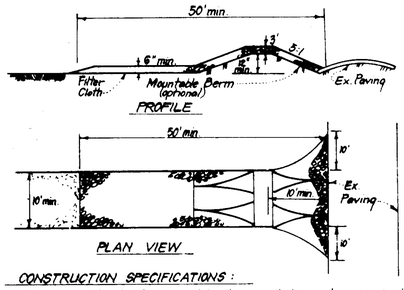
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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.



CONSTRUCTION SPECIFICATIONS:

1. Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (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) feet minimum, but not less than the full width at 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 piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way 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 each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)

NO SCALE

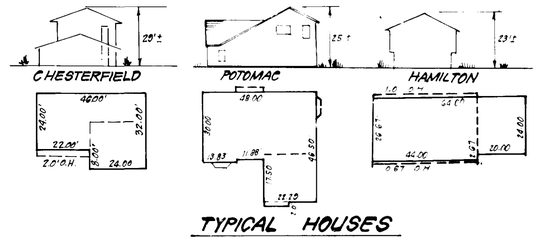
SEDIMENT CONTROL NOTES

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	0.8683 Acres
Area Disturbed	0.5107 Acres
Area to be roofed or paved	0.1883 Acres
Area to be vegetatively stabilized	0.3224 Acres
Total Cut	330 Cu. yds
Total Fill	965 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. N/A
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 490 L.F.

CONSTRUCTION SEQUENCE:	No. of Days
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	2
B. Excavate for foundations and Rough Grade.	5
C. Construct Structures, Sidewalks and Driveways.	30
D. Final Grade and stabilize in accordance with Stds. & Specs.	5
E. Upon approval of the sediment control inspector, remove sediment and erosion control and stabilize.	2

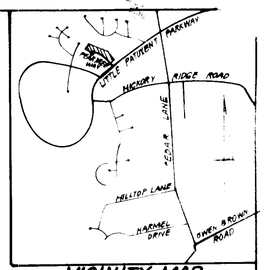


TYPICAL HOUSES

NO SCALE

GENERAL NOTES

1. The land included is zoned New Town SFMD
2. The lots shown are covered by Final Development Plan Phase 1B1, Part II.
3. All coordinates shown are based upon traverse controls for Columbia, established by Maps Inc, in 1965 and by Purdum and Veschke, in 1968. Controls were tied to Md. Bureau of Control Surveys Monuments and to U.S. Coast and Geodetic Boundary Survey Monuments in the Columbia area
4. The area covered is located on Tax Map #35
5. The total area of this plan is 0.8683 Acres
6. All roadways are public & existing.
7. Any damage to county owned rights of way shall be corrected at the Developers expense
8. Total number of lots: 3
9. Storm Water Management For This Project has been provided in Village of Hickory Ridge Section 3 Area 1, F 83-120.
10. The contractor or developer shall contact the Construction Inspection / Survey at 792-7272 24 hrs in advance of commencement of work.

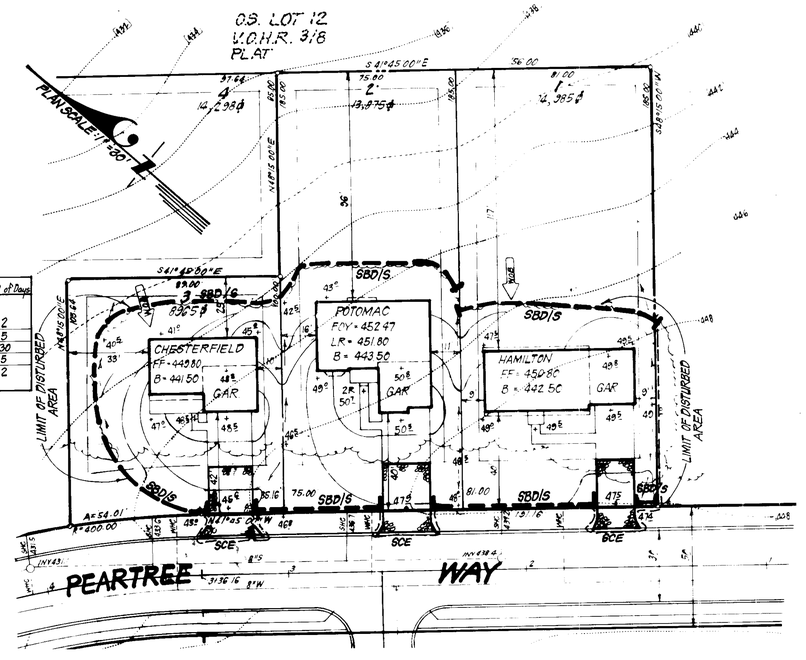


VICINITY MAP

SCALE: 1" = 1000'

LEGEND

1. Contour Interval — 2 Ft.
2. Existing Contour — 430
3. Proposed Contour — 430
4. Spot Elevation — +305
5. Direction of Drainage
6. Existing Trees to be retained
7. Walk Out Basement — W.O.B.
8. Retaining Wall
9. Straw Bale Dike or Silt Fence — SBD/S
10. Stabilized Construction Entrance — SCE



COLUMBIA
VILLAGE OF HICKORY RIDGE
SECTION 3 AREA 8
PLAT 5781

ADDRESS CHART	
LOT No	Street Address
1	11202 Peartree Way
2	11206 " "
3	11210 " "

SUBDIVISION NAME: COL. V.O.H.R.		SECTION/AREA: 3/8	LOT/PARCEL #: 1, 2, & 3
PLAT #: 5781	BLOCK #: 5	ZONE: N.T. SFMD	TAX/ZONE MAP #35	ELEC. DIST. 5TH	CENSUS TR: 6053.01
WATER CODE: 1.09		SEWER CODE: 5585301	

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

HEALTH OFFICER — DATE 6-10-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR — DATE 6-11-85

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

DIRECTOR — DATE

CHIEF BUREAU OF ENGINEERING — DATE

DIVISION OF LAND DEVELOPMENT ZONING ADMINISTRATION HOWARD COUNTY

5-23-85

Reviewed for HOWARD (Name) and meets Technical Requirements

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 — 6/4/85 Date

DEVELOPER'S/BUILDER'S CERTIFICATE

"I hereby certify that all clearing, grading, construction will be done according to this plan for erosion and sediment control and that responsibility for the construction will be carried out by me or by my agent, as approved in the construction specifications of the Howard County Soil Conservation District and the Dept. of Natural Resources Administration for the Control of Sediment and Erosion. I also authorize periodic on-site inspections by the Howard County Soil Conservation District or their authorized representatives as deemed necessary."

Maurice M. Simpkins V.P. — 5-14-85

Signature of Developer/Builder — Date

MAURICE M. SIMPKINS

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.

G. Nelson Clark — 5-30-85

G. NELSON CLARK — DATE

STATE OF MARYLAND REGISTERED PROFESSIONAL ENGINEER

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

DESIGNED: BAF, JME	SITE DEVELOPMENT PLAN & SEDIMENT AND EROSION CONTROL PLAN LOTS 1, 2 AND 3 COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 3 AREA 8 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE: 1" = 30'
DRAWN: BAF, KJW		DRAWING: 1 OF 1
CHECKED: BAF, JME		JOB NO.: 85-052
DATE: May 14, 85	FOR: THE RYLAND GROUP, One Knoll North Suite #503, Columbia, Maryland 21045	FILE NO.: 85-052X

S.D.P. 85-197 c