

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, if not previously bedded.

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 sq 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 40 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of seeding legumes. 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 2 1/2 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.

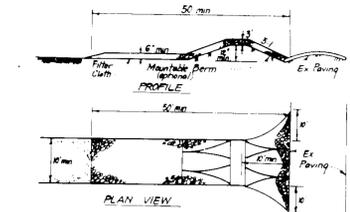
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

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 20 lbs/acre annual ryegrass (3.1 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 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

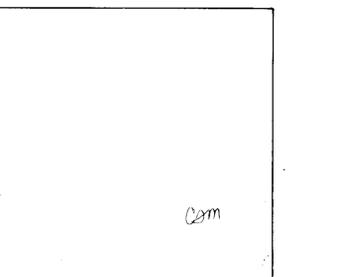
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.



CONSTRUCTION SPECIFICATIONS

1. Stone size - Use 2" stone or equivalent or recycled concrete equivalent.
2. Length - As required, but not less than 30 feet (exception a single residence or 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 of points where slopes or curves occur.
5. Filter Cloth - Will be placed over the entire area prior to topsoiling 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. Drops or aprons, aprons, and ditches 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. They may require periodic top dressing with additional stone. Top dressing should be done after each rain event. If any material is tracked onto the entrance, it shall be removed immediately.
8. Weeding - Weeds shall be cleared to remove sediment prior to entrance into public rights-of-way. When weeding is required, it shall be done on an area stabilized with stone and which drains into a sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE



DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 1-4-89

APPROVED FOR THE DEPARTMENT OF PLANNING & ZONING
DATE: 1/19/90

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 2/20/89

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 construction and structural practices are to be in accordance with the provisions of this plan and are to be in accordance 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 47 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1. It is 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 placed around their perimeter in accordance with Vol. 1, Chapter 17, 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. 50) and (Sec. 51), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding rates 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: 0.328 Acres
Area Disturbed: 0.224 Acres
Area to be graded or paved: 0.099 Acres
Area to be vegetatively stabilized: 0.125 Acres
Total Cut: Cu. yds
Total Fill: Cu. yds
Offsite waste/barrow area location

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 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 buildings or grading inspection approval may not be authorized until this initial approval by the inspection agency is made.

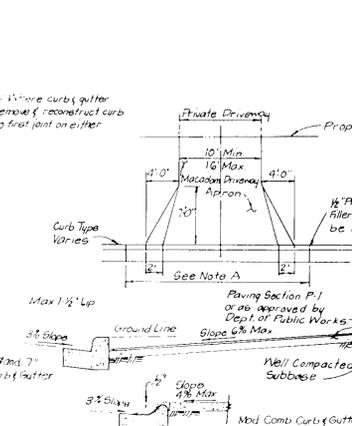
11) If basins are to be constructed on an "As-Built" basin, at roadway, similar full sediment control as shown below shall be implemented.

12) All pipes to be blocked at the end of each day (see detail below).

13) The total amount of straw bale/dike/silt fence repair L.F. = 160.

CONSTRUCTION SEQUENCE:

NO. OF DAYS	NO. OF DAYS
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	8
B. Excavate for foundations and Rough Grade & Temporarily Stabilize.	7
C. Construct Structures, Sidewalks and Driveways.	60
D. Final Grade and stabilize in accordance with Stds. & Specs.	14
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	14



STRAW BALE DIKE DETAIL (SBD)
NO SCALE

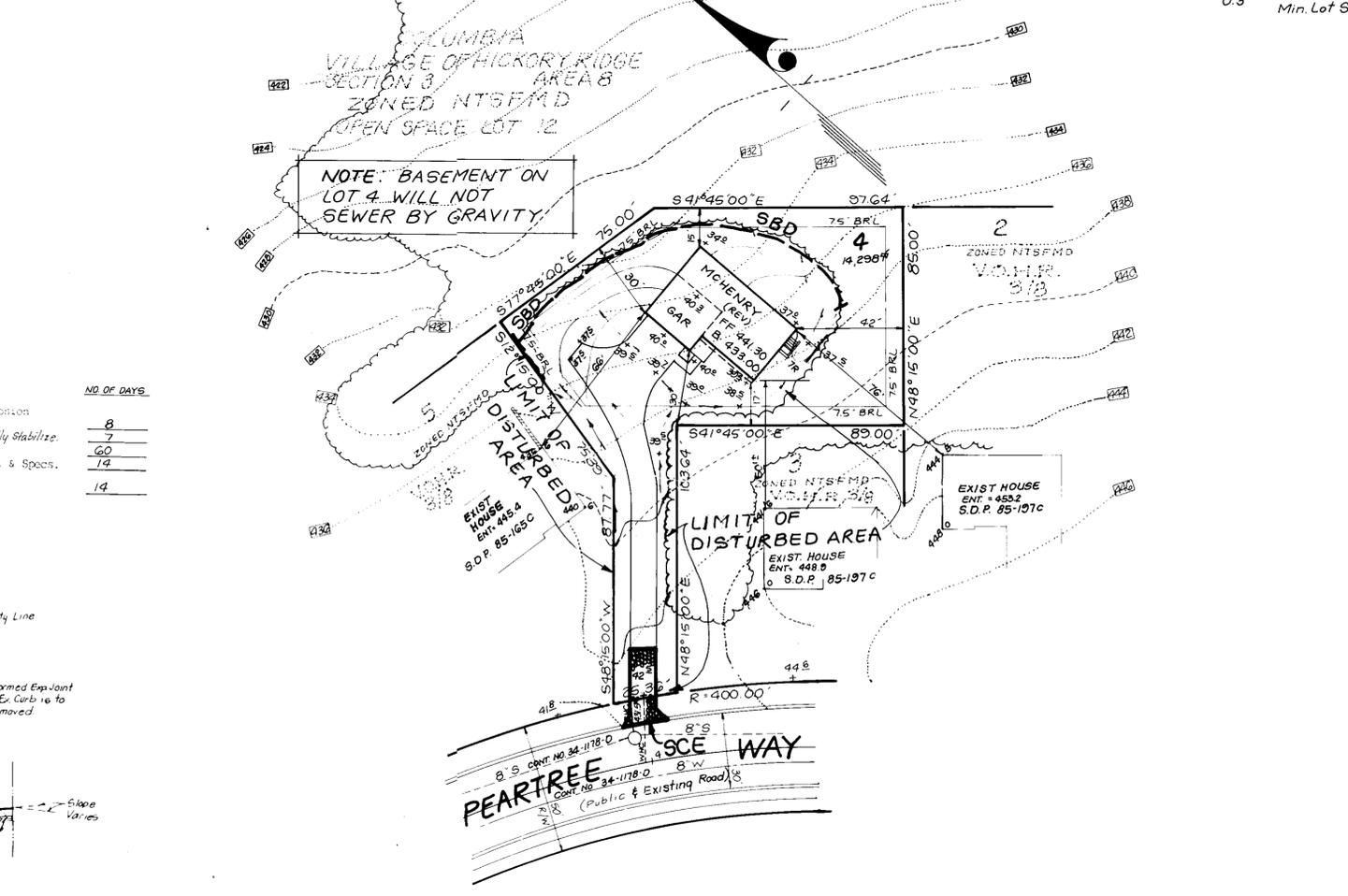


TYPICAL HOUSE
Scale: 1"=30'

MCHENRY
Scale: 1"=2000

NOTE: Unit has 1 roof eaves, front and rear.

8'0" x 8'0" Porch
w/2 car garage, porch
1742.32 / 0.3 = 5807.73 #
Min. Lot Size



LEGEND

Contour Interval: 2 FT
Existing Contour: --- (with elevation)
Proposed Contour: - - - -
Spot Elevation: +10±
Direction of Drainage: ---> (with arrow)
Walk out Basement: --- (with arrow)
Trees to be Saved: --- (with tree symbol)
Straw Bale Dike: --- (with dike symbol)
Stabilized Construction Entrance: --- (with SCE symbol)

GENERAL NOTES

1. Subject property zoned NTSFMD
2. The lots shown are covered by Final Development Plan, Phase 181, Part III.
3. All coordinates shown are based on Traverse controls for Columbia, established by Maps, Inc., in 1965 and by Purdum and Jeschke, Inc., 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. For flag or pipestem lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipestem and right of way line and not onto the flag or pipestem lot driveway.
5. All roads are public and existing.
6. Total number of lots: 1
7. Storm Water Management for this project has been provided in Village of Hickory Ridge Section 3 Area 1, F 83-120.
8. Topography was field run by: Clark, Finefrock & Sackett, Inc.
9. Maximum lot coverage allowed is 30%.
10. Any damage to county owned right of ways to be corrected at the developer's expense.
11. Reference plan numbers: F 85-15 C
12. Improvement of property: Single Family Density Units.
13. The contractor or developer shall contact the construction/inspection survey division 24 hours in advance of commencement of work at 792-2630.

SPECIAL NOTES

1. All Road Construction, Storm Drainage, facilities and Public water and sewer are shown for reference only. Use approved H.C. plans for all phases of construction.

R. BUILDER CERTIFICATE

I, the undersigned, certify that the construction will be done in accordance with the provisions of this plan and in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

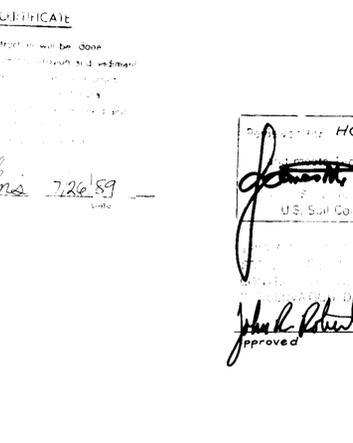
Signature: *Marcus M. Simpson* 7/26/89

HOWARD COUNTY
U.S. Soil Conservation Service

Signature: *James H. ...* 12/19/89

Signature: *John Peterson* 12/19/89

Signature: *G. Nelson Clark* 8-1-89



ADDRESS CHART

Lot	Street Address
4	11214 PEARTREE WAY

ENGINEER'S CERTIFICATE

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

Signature: *G. Nelson Clark* 8-1-89

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

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 871-2500 • BALTO. • (410) 871-2500

DESIGNED	JME	SCALE	1"=30'
DRAWN	JME	TITLE	SITE DEVELOPMENT AND SEDIMENT EROSION CONTROL PLAN
DATE	July 1989	LOT 4	
		COLUMBIA	
		SECTION 3 AREA 8	
		5TH ELECTION DISTRICT	
		HOWARD COUNTY, MARYLAND	
		FOR: THE RYLAND GROUP - COLUMBIA DIVISION	
		7130 MINSTREL WAY SUITE 215	
		COLUMBIA, MD 21045	
		85-052 X	

85-052 X