

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, disking or other acceptable means before seeding, if not previously loosened.

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 the 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 (0.5 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 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 unrattled 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 4 feet or higher, use 346 gallons per acre (8 gal/1000 sq ft) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking, 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 2 1/2 bushels per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 15, seed with 3 lbs per acre of weeping lovegrass (0.7 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 unrattled 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 4 feet or higher, use 346 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 RATE AND METHODS NOT COVERED.

SEDIMENT AND EROSION 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. (892-2432)
 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 SPECS. 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 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 perimeters 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: 0.413 Acre
 Area Disturbed: 0.306 AC
 Area to be seeded or paved: 0.192 AC
 Area to be vegetatively stabilized: 0.172 AC
 Total Cut: 115 CY
 Total Fill: 110 CY

8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be reinstalled 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 Family Sediment Control, as shown below shall be implemented.

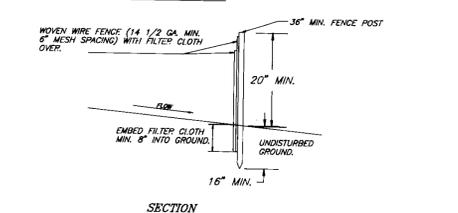
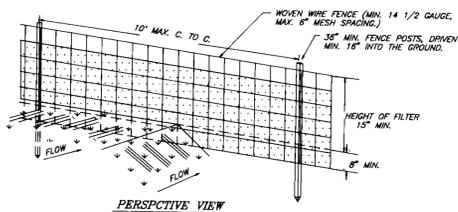
12. All pipes to be blocked at the end of each day (see detail in sheet).

13. The total amount of silt fence= 122 LF

* It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

CONSTRUCTION SEQUENCE:

	NO. OF DAYS
A. Obtain grading permit and install sediment and erosion control devices and stabilize, tree protection fence and stabilize.	7
B. Excavate for foundations, rough grade and temporary stabilize.	14
C. Construct structures, sidewalks and driveways.	60
D. Final grade and stabilize in accordance with Sds. and Specs.	14
E. Upon approval of the sediment inspector, remove sediment and erosion control devices and stabilize.	7



STANDARD SYMBOL: S-S-S

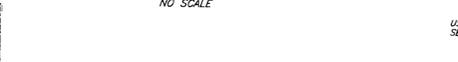
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

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 TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BUILDERS DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD.
 FENCES: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING.
 FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA 1140N, OR APPROVED EQUAL.
 PREFABRICATED UNIT: GEUFAB, ENVIROFENCE, OR APPROVED EQUAL.

SILT FENCE (S)

NO SCALE



BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL

NO SCALE

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 sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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.

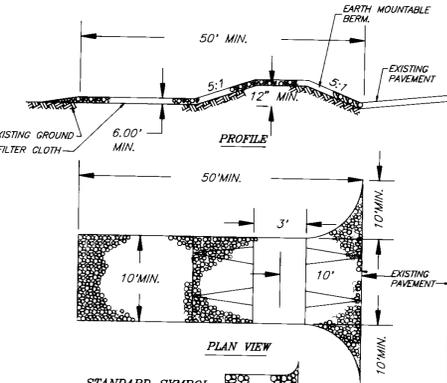
Reviewed for HOWARD S.C.D. Name: James M. ... Date: 8/19/92

Signature: [Signature] Date: 8/19/92

Signature: [Signature] Date: 8/19/92

Signature: [Signature] Date: 8/19/92

Signature: [Signature] Date: 8/19/92



STANDARD SYMBOL

CONSTRUCTION SPECIFICATIONS

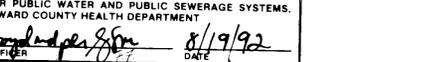
1. STONE SIZE: USE #2 STONE OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH: AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.)
3. THICKNESS: NOT LESS THAN SIX (6) INCHES.
4. WIDTH: TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH: WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE.
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 SKIPPED, 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 RAINFALL.

STABILIZED CONSTRUCTION ENTRANCE (SCE)

NO SCALE



NO SCALE



BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL

NO SCALE

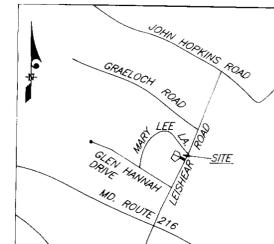
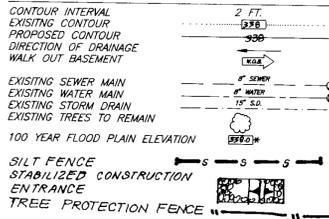
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Reviewed for HOWARD S.C.D. Name: James M. ... Date: 8/19/92

Signature: [Signature] Date: 8/19/92

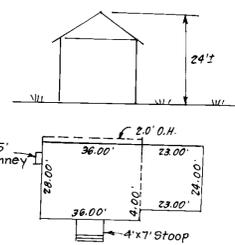
LEGEND



VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES:

1. The contractor shall notify the Department of Public Works/Bureau of Construction Inspection a (301) 792-7272 at least five (5) working days prior to the start of work.
2. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
3. The existing topography shown was field run by Clark, Finerock and Sackett, Inc. on 8-19-91. The contour interval is 2 feet.
4. The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monument Nos. 2040002 and 2040003.
5. Storm water management is provided per: F-81-92.
6. Any damage to county owned rights-of-way shall be corrected at the developer's expense.
7. For flagstem lots, refuse collection, snow removal, and road maintenance to be provided at the junction of flag or pipestem and not onto the flag or pipestem driveway.
8. Department of Planning and Zoning reference file numbers are: F-88-173, F-87-84.
9. All roadways are public and existing.
10. Subject property is zoned: R-SC per 8-2-85 Comprehensive Zoning Plan.
11. The total area included in this submission is: 18,279 sf
12. The total number of lots included in this submission is: 1
13. The maximum lot coverage is: 40%
 a. Area of coverage by house in square feet: 1704 sq ft
 b. Area of lot (minimum lot size) in square feet: 12,252 sq ft
 c. Percent coverage by house: 14%
 d. Maximum coverage allowed: 40%
14. Improvement to property: Single family detached.
15. The 75' Stream Buffer indicated on this plan does not effect the initial construction of a residential unit. It does prohibit subsequent clearing, grading or construction within the buffer area. Maintenance of the residence, landscaping and utilities are permitted.



TYPICAL HOUSE

SCALE: 1"=30'

LOT #	Gross Area	Minus Floodplain/25% Slope Area	Minus Creeped/25% Slope Area	Subtotal Area	Minus Creeped/25% Slope Area	+10% Creeped/25% Slope Area	Minimum Lot Area
5	18,279 sq ft	3267 sq ft	2760 sq ft	12,252 sq ft	0	0	12,252 sq ft

SHEET INDEX:

SHEET 1 SITE DEVELOPMENT AND SEDIMENT AND EROSION CONTROL PLAN

LOT NUMBER	STREET ADDRESS
5	8274 LEISHEAR ROAD

SUBDIVISION NAME	SECTION/AREA	LOTS/PARCELS
LOCKWOOD	5	5
PLAT NO. 8651	BLOCK NO. 46	ZONE RSC
TAX MAP NO. 46	ELECTRON DIST. 6TH	CENSUS TRACT 7540000
WATER CODE E-17	SEWER CODE	

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO • (301) 621-8100 - WASH

SITE DEVELOPMENT AND SEDIMENT AND EROSION CONTROL PLAN
 LOT 5

LOCKWOOD
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 TAX MAP 46 PARCEL 297

FOR: CUSTOM CARPENTRY, INC.
 8790 DOVE FLY WAY
 LAUREL, MARYLAND 20723

DESIGNED: JME
 DRAWN: KJMM
 CHECKED: KJMM
 DATE: JUNE 1992

SCALE: AS SHOWN
 DRAWING: 101
 JOB NO: 92-122
 FILE NO: 92-122-X

PLATS	DATE	CHECKED BY
UNRECORDED		
RECORDED	6-2-89	KJMM

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Sediment and Erosion 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: 6/25/92

OWNER / DEVELOPER:
 FOR: CUSTOM CARPENTRY, INC.
 8790 DOVE FLY WAY
 COLUMBIA, MARYLAND 20723

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 James M. ... 8/19/92

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Planning Director: ... 8/27/92

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Director: ... 8/14/92

CHIEF BUREAU OF ENGINEERING M.K. ... 8/19/92

Reviewed for HOWARD S.C.D. Name: James M. ... Date: 8/19/92

Signature: [Signature] Date: 8/19/92

US Soil Conservation Service

I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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: [Signature] Date: 6/29/92