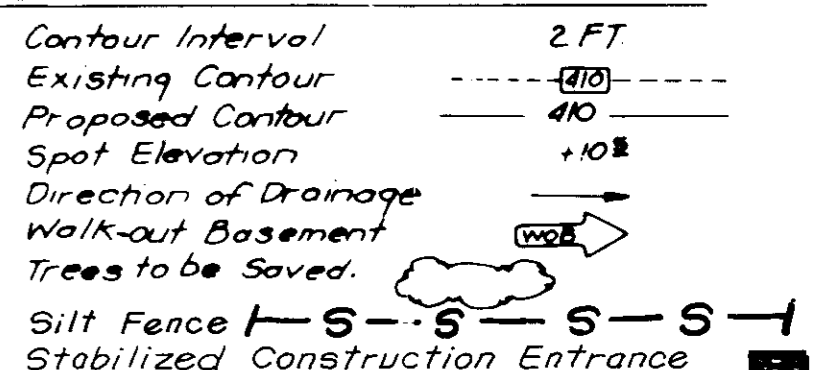


GENERAL NOTES

1. The land included is zoned R-12
2. This plot and the coordinates shown hereon are based on Howard County Geologic Control traverse stations Nos. 2443001 & 2443001
3. Any damage to County owned rights-of-way shall be corrected at the Developer's expense
4. Total number of lots included in this plan is 1 lot
5. Total area included in this plan is 11,198 sq ft
6. All roadways are public and existing
7. Reference plans P-88-14, S-87-02, F-88-170
8. Maximum building coverage is 30% per lot
9. The Contractor or Developer shall contact the Construction Inspection / Survey Division, 24 hours in advance of commencement of work @ 792-2630
10. Single Family Density

LEGEND



SPECIAL NOTES

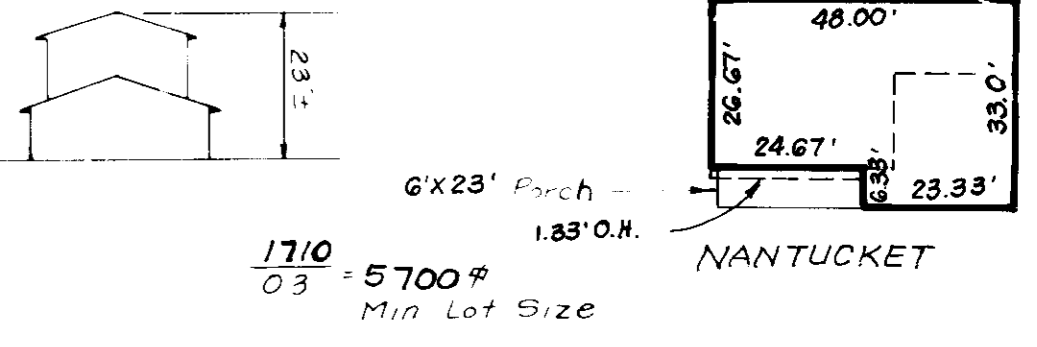
Approved Road Construction Plans shall be used for all public utilities. Public Water and Sewer shown for reference only. For more detailed information - see Water and Sewer plans - Contract No. 24-1762-D. The Water and Sewer house connections not included in a Developer's Agreement shall conform to Howard Co. Plumbing Code. The on-site KINC shall be 1" copper, and the S.H.C. shall be 4" iron. Stormwater Management provided for by F-88-178. Grading on Lot 14 is to match proposed grades on approved SDP 89-12.

BUILDING RESTRICTION LINES

Front - 20 Min Unless noted otherwise
Rear - 30 Min
Side - 75 Min

LOT No.	STREET ADDRESS
14	8410 FREEDOM COURT

*Existing contours taken from plans prepared by Hicks Engineering Co. Inc



TYPICAL HOUSE Scale: 1" = 30' (Note: All units have 1" roof eaves front & rear)

Subdivision Name		Sect./Area		Lots	
LARK BROWN ESTATES		7/4		14	
Plot No.	Block No.	Zone	Tax. Map No.	Elec. Dist.	Comm. Dist.
1020	19	R-12	37	G-1	6063.02
Water Code			Sewer Code		
E08			3450000		

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINNISTREL WAY • COLUMBIA MD 21045 • (301) 381-7900 - BALTO • (301) 621-8100 - WASH

ENGINEERS 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
Date 6-26-89

DEVELOPER'S/BUILDER'S CERTIFICATE

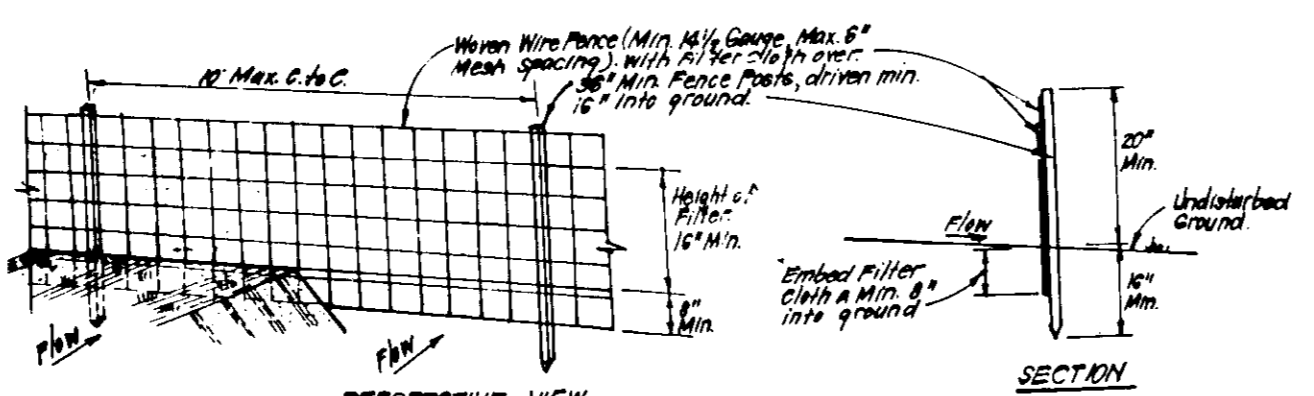
"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Compliance as a Dept. of Natural Resources' Approved Training Program in the Central of Sediment and Erosion Control Training Program. I/We authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary."

Signature of Developer/Builder
Date 6-23-89

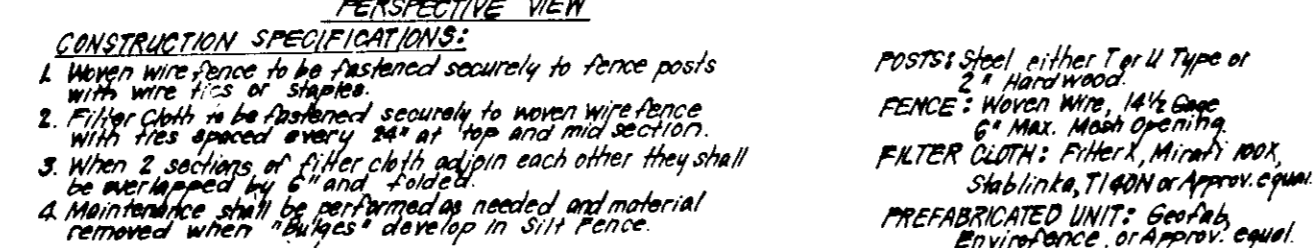
Reviewed for HOWARD S.C.D. Name: Howard S.C.D. and meets Technical requirements. Signature: June M. Helms/10/12/89 Date: 12/1/89 U.S. Soil Conservation Service

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

Approved
Date 12/1/89



SILT FENCE DETAIL (S)



CONSTRUCTION SPECIFICATIONS:

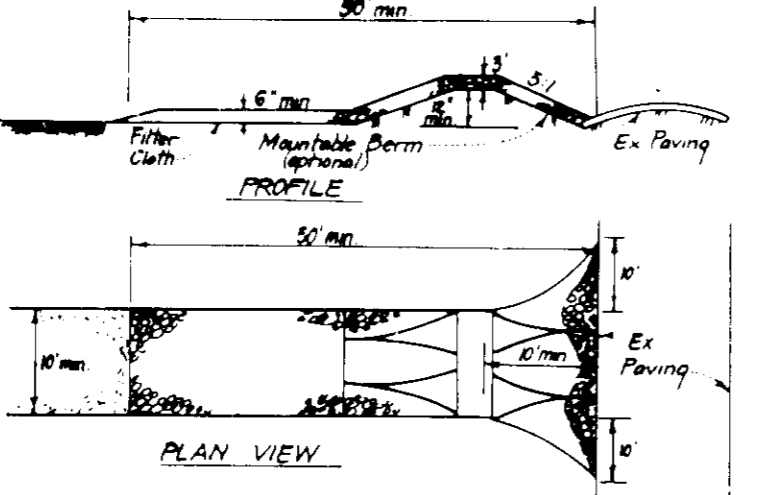
1. Wire mesh fence to be fastened securely to fence posts with wire.
2. Filter cloth to be fastened securely to wire mesh fence with ties spaced every 2 ft. All ties must be secured.
3. With ties spaced every 2 ft. All ties must be secured.
4. Maintenance shall be performed as needed and material removed when "bunches" develop in silt fence.

PERMITS/GENERAL 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 vegetation 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 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 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, 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) and (Sec. 54), temporary seedings (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: 257 Acres
Area Disturbed: 243 Acres
Area to be roofed or paved: 109 Acres
Area to be vegetatively stabilized: 148 Acres
Total Curbs: 16 Cu. Yds
Total Fill: 625 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 DWM 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 a "No-Soil" 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 dike - silt fence equals 145 L.F.

CONSTRUCTION SEQUENCE:

A.	No. of Days
Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	7
Excavate for foundations and Rough Grade & temporarily stabilize.	30
Construct Structures, Sidewalks and Driveways.	120
Final Grade and stabilize in accordance with Stds. & Specs.	30
Upon approval of the sediment control inspector. Remove sediment and erosion controls and stabilize.	7



CONSTRUCTION SPECIFICATIONS:

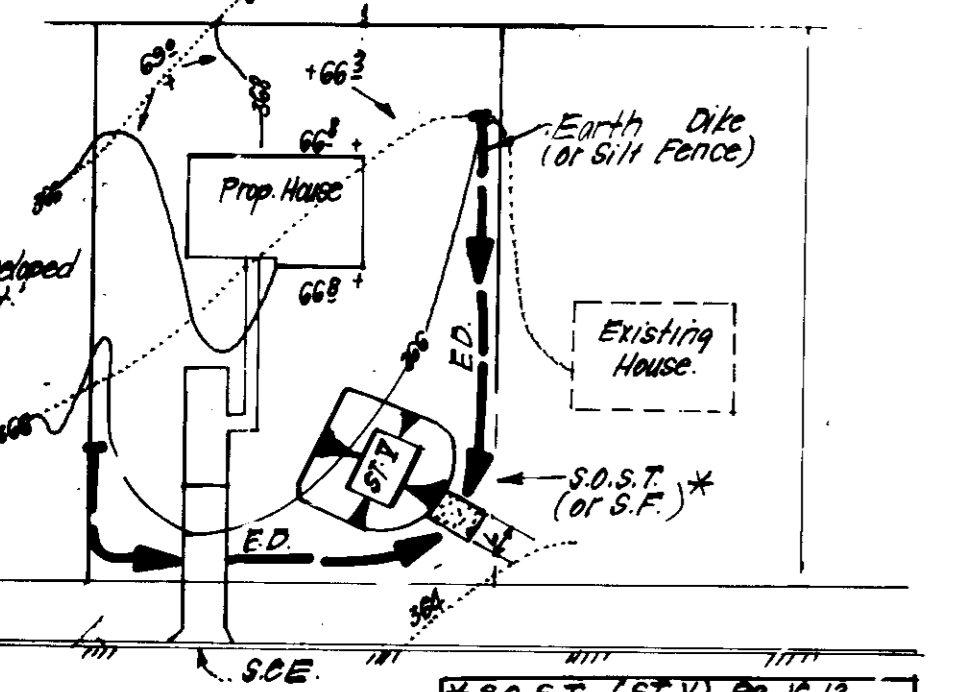
1. Stone size - Use "2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot, where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Height - Ten (10) feet minimum, but not less than the full width at points where drainage or access 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 over the construction entrance shall be piped across the entrance. If piping is impractical, a multiple berm with 3' side berms shall be provided.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. The user shall be responsible for cleaning with additional stone to control tracks and ruts, and/or cleaning of any material from the entrance. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Warning - Where shall be placed to remove sediment prior to entrance onto public rights-of-way. Where necessary, the entrance shall be closed on all areas stabilized with stone and which drain into an eroded channel.
9. Warning device.
10. Traffic inspection and needed maintenance shall be provided after each run.

STABILIZED CONSTRUCTION ENTRANCE (SCE)

No Scale

SINGLE LOT SEDIMENT CONTROL PLAN

No Scale



S.D.P. (S.F.V.)	1/11/12
LOT SIZE	14.14 AC.
AREA	195,100 Sq. Ft.
DEPTH	213'
WIDTH	226'
AREA	48,182 Sq. Ft.

* NOTE: Single lot detail can not be utilized if any two lots sharing common property lines are to be disturbed at the same time or on any lots showing a sediment trap.

APPROVED

COUNTY HEALTH OFFICER: *John A. Biv...* DATE: 12-15-89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
PLANNING DIRECTOR: *Joseph P. R...* DATE: 12/21/89
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: *Mark J. R...* DATE: 12/16/89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: *James J. C...* DATE: 12/16/89
CHIEF BUREAU OF ENGINEERING: *...* DATE: 12-15-89

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. Narrow 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. Narrow 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 creeping 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 ft or higher, use 345 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 redistributed where a short-term 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: 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 28 bushels 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 creeping 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 345 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.