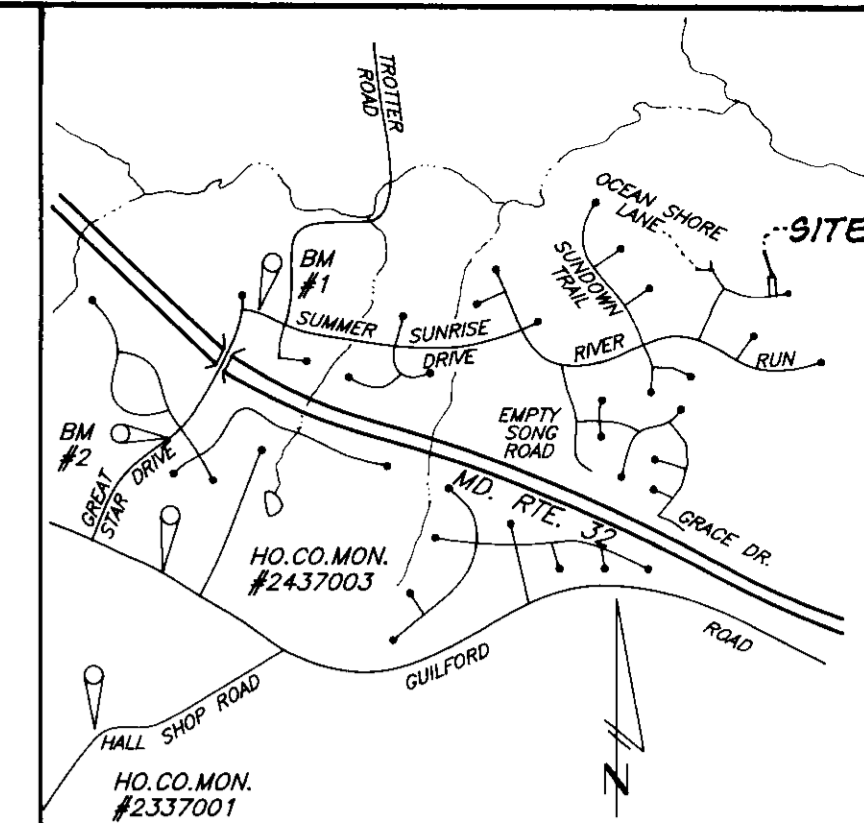
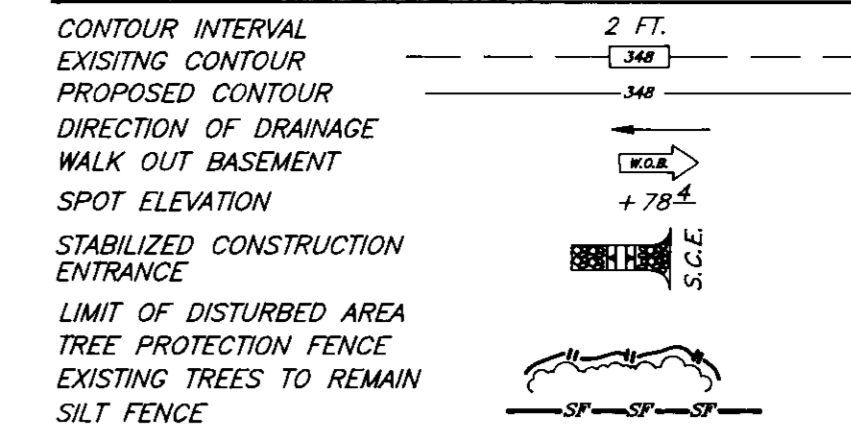


No	REVISIONS	Date
1	Rev. hse & grad. lot 232, Add hse. typical	1-27-98

LEGEND



VICINITY MAP
Scale: 1"=2000'

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
232	232 OCEAN SHORE LANE

SEDIMENT AND EROSION CONTROL NOTES

1. A minimum of 48 hours notice must be given to the Howard County Department of Planning and Zoning prior to the start of any construction (7-17-95)
2. All negative and structural protection are to be installed immediately in the proposed location and shall be maintained until the project is completed. (7-17-95)
3. All negative and structural protection are to be installed immediately in the proposed location and shall be maintained until the project is completed. (7-17-95)
4. All negative and structural protection are to be installed immediately in the proposed location and shall be maintained until the project is completed. (7-17-95)
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6. All negative and structural protection are to be installed immediately in the proposed location and shall be maintained until the project is completed. (7-17-95)
7. All negative and structural protection are to be installed immediately in the proposed location and shall be maintained until the project is completed. (7-17-95)

21.0 STANDARDS AND SPECIFICATIONS FOR TOPOSOIL

Definition
Placement of topsoil over a prepared subgrade prior to establishment of permanent vegetation.

PURPOSE
To provide a suitable and suitable for vegetation growth. Subgrade of compact base, the material, the method of placement, the depth, the texture, and the amount of topsoil to be placed.

Conditions Where Practice Applies
This practice is to be used in areas where 2.1 or better topsoil is not available in suitable quantities.

Substitution and Material Specifications
1. Topsoil shall be of the texture and depth as specified in the table below. The material is to be placed in a minimum of 4" depth. The material is to be placed in a minimum of 4" depth. The material is to be placed in a minimum of 4" depth.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE PLANTING DISTURBANCES WHERE A PERMANENT LAND-USE RESTRICTION COVER IS NEEDED.

SEEDING PREPARATION Loosen upper three inches of soil for seeding. Break up clumps of soil. Remove rocks and debris. If soil contains rocks, break up rocks to 1/4" size.

SEEDING Apply 1 1/2 to 2 lbs per acre (70 to 90 lbs/1000 sq ft) of seed. Seed shall be broadcast. Seed shall be broadcast. Seed shall be broadcast.

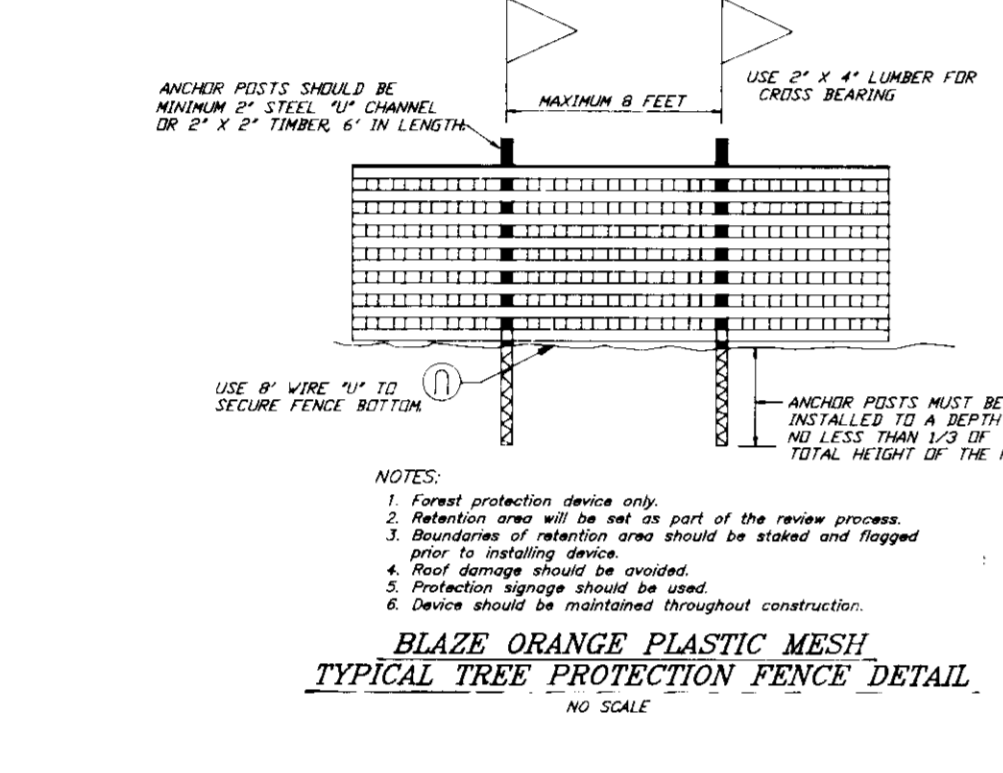
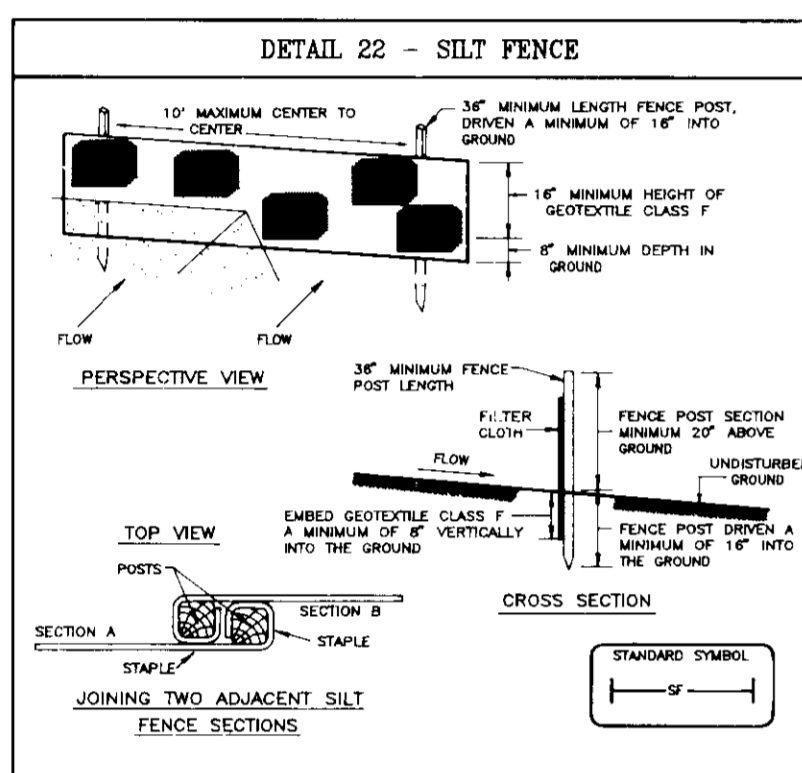
TEMPORARY SEEDING NOTES

SEEDING PREPARATION Loosen upper three inches of soil for seeding. Break up clumps of soil. Remove rocks and debris. If soil contains rocks, break up rocks to 1/4" size.

SEEDING Apply 1 1/2 to 2 lbs per acre (70 to 90 lbs/1000 sq ft) of seed. Seed shall be broadcast. Seed shall be broadcast. Seed shall be broadcast.

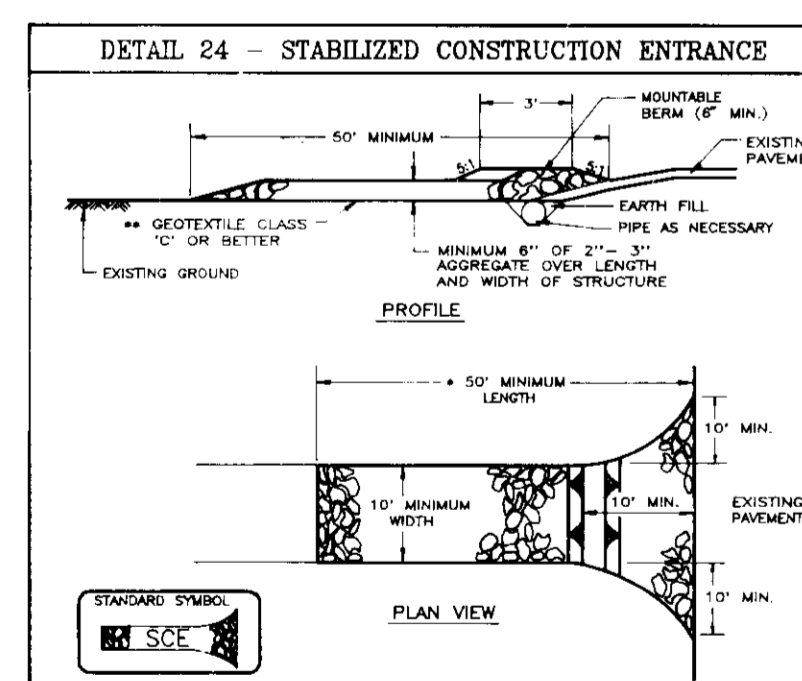
CONSTRUCTION SEQUENCE

1. Obtain grading permit
2. Perform erosion control measures
3. Perform sedimentation control measures
4. Perform stabilization control measures
5. Perform revegetation control measures
6. Perform final site cleanup
7. Obtain final site inspection



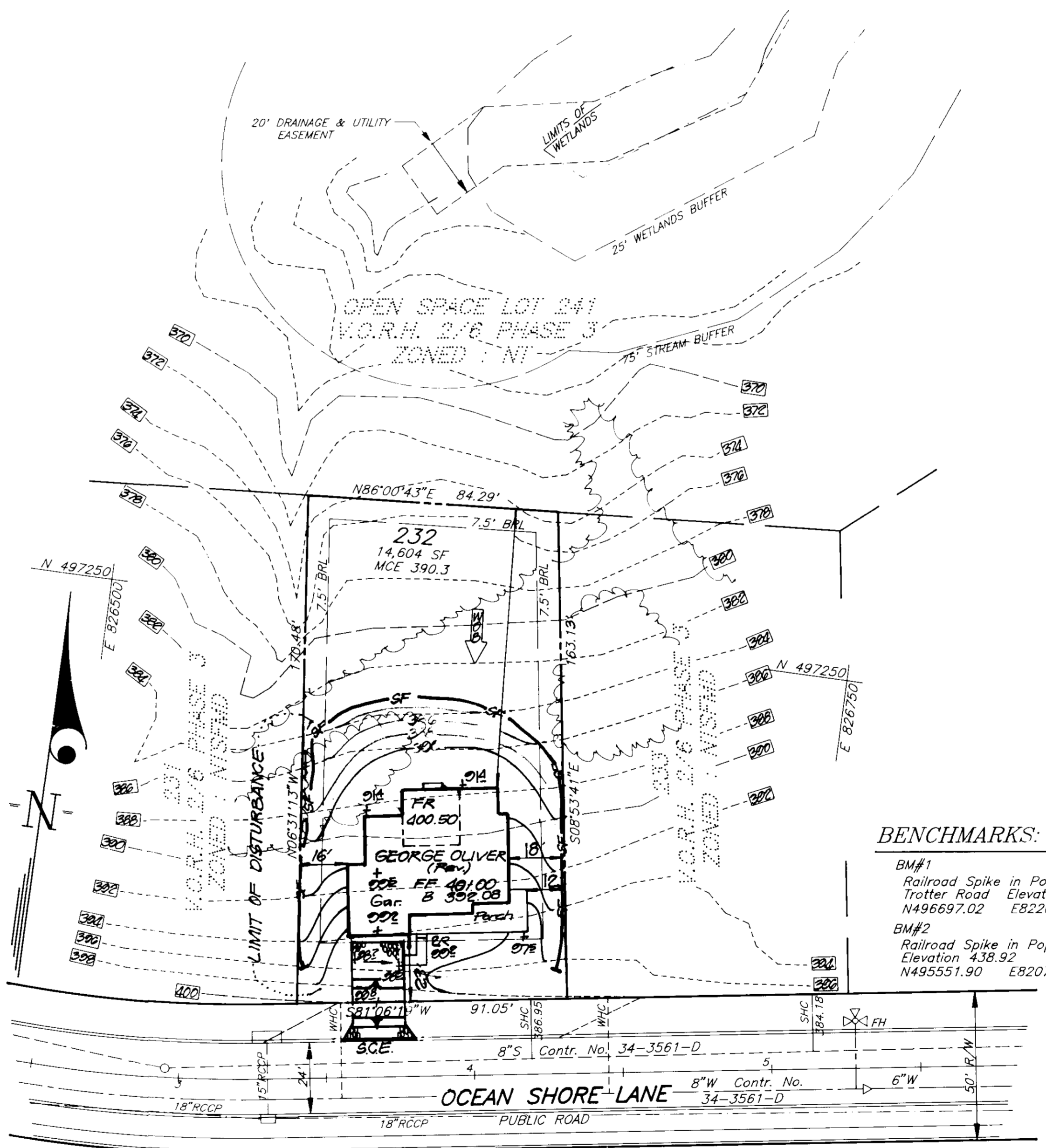
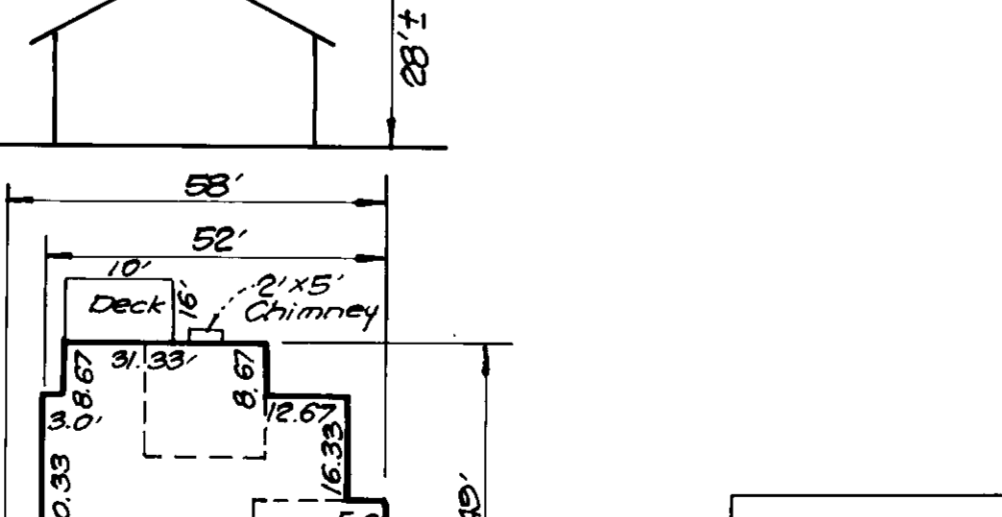
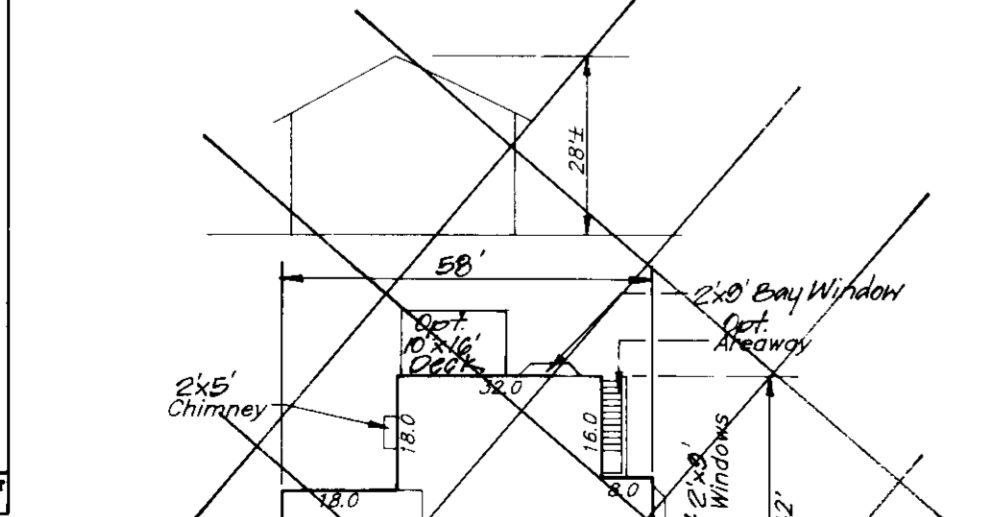
Construction Specifications

1. Fence posts shall be 1 1/2" x 4" long, driven 18" minimum into the ground. Wood posts shall be treated with a preservative. Steel posts shall be standard U or I section weighing not less than 100 pounds per linear foot.
2. Geotextile fabric shall be fastened securely to each fence post with wire ties or staples. The fabric shall be placed over the top of the post and shall meet the following requirements for Geotextile Class F:



Construction Specification

1. Length - minimum of 50' (+ 30' for a single residence lot).
2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.
3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The geotextile fabric shall be placed over the existing ground prior to placing stone.
4. Stone - crushed aggregate (3" to 2 1/2") or recycled concrete aggregate shall be placed over the geotextile fabric. The stone shall be placed over the geotextile fabric.
5. Surface Water - all surface water flowing to or diverted toward construction entrance shall be placed through the entrance, maintaining positive drainage. The stabilized construction entrance shall be constructed over the plan pipe hole to be sized according to the drainage. When the hole is installed, a 1/2" pipe shall be placed over the hole. The pipe shall be placed over the hole.
6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. The entrance shall be located at every point where construction traffic enters or leaves a construction site.



- GENERAL NOTES:**
1. Subject property is zoned: N.T.S.F.M.D. per 10-18-93 Comprehensive Zoning Plan.
 2. The total area included in this submission is: 0.34 Acres
 3. The total number of lots included in this submission is: 1
 4. Improvement to property: Single Family Detached
 5. The maximum lot coverage permitted is: 30%
 6. Department of Planning and Zoning reference file numbers are: S-91-03, P-95-17, F-96-98, F-96-138, SP-96-12, F-97-125
 7. Utilities shown as existing are taken from approved Water and Sewer plans Contract # 34-3576-D, approved Road Construction plans F-97-125, and actual field survey.
 8. Any damage to county owned rights-of-way shall be corrected at the developer's expense.
 9. All roadways are public and existing.
 10. The existing topography was taken from Road Construction plans F-97-125 prepared by Riemer, Muegge & Associates, Inc. in January 1997.
 11. 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.: 2337001 and 2437003.
 12. The contractor shall notify the Department of Public Works/Division of Construction Inspection at (410) 313-1880 at least twenty-four (24) hours prior to the start of work.
 13. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
 14. For driveway entrance details, refer to Ho. Co. Design Manual Volume IV details R-6.05
 15. Stormwater Management is provided per: F-96-138
 16. In accordance with FDP-Phase 209 Part VI, bay windows or chimneys not more than 10 feet in width may project not more than 4 feet into any setbacks; porches and decks may project not more than 3 feet into the front or rear setbacks.
 17. No clearing, grading or construction is permitted within Wetlands and Stream Buffers or Forest Conservation Easements.
 18. SHC elevations shown are located at the property line.
 19. Stormwater Management Quantity Control is provided by the Md. Rte. 30 Stream Crossings. Water Quality is provided by publicly owned Bioretention Areas.

- BENCHMARKS:**
- BM#1 Railroad Spike in Pole #525680 Trotter Road Elevation 393.27 N496697.02 E822026.81
 - BM#2 Railroad Spike in Poplar Elevation 438.92 N495551.90 E820727.80

OWNER / DEVELOPER
THE HOWARD RESEARCH AND DEVELOPMENT CORP.
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

SPECIAL NOTES:

This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this S.D.P. are not to be used for construction. For construction, see approved Road Construction Plans F-97-125 and/or approved Water and Sewer Plans Contract #34-3576-D.

SUBMISSION NAME		SECTION/AREA	LOTS/PARCELS
COLUMBIA VILLAGE OF RIVER HILL		TWO/SIX	232
PLAT NO.	BLOCK NO.	ZONE	TAX MAP NO.
12035	15	N.T.S.F.M.D.	35
ELECTION DIST.		CENSUS TRACT	
5th		6055	
WATER CODE		SEWER CODE	
		6652500	

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED JME
DRAWN PS
CHECKED JME
DATE 7/24/97

SITE DEVELOPMENT, SEDIMENT & EROSION CONTROL PLAN
LOT 232
COLUMBIA VILLAGE OF RIVER HILL
SECTION 2 AREA 6 PHASE 3
FIFTH (5th) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE 1"=30'
DRAWING 1 of 1
JOB NO. 97-046
FILE NO. 97-046X

FOR: WILLIAMSBURG BUILDERS
P.O. Box 1018
Columbia, Maryland 21044

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division
Date: 7/22/97

Chief, Division of Land Development
Date: 7/23/97

Director
Date: 7/24/97

Reviewed for HOWARD S.C.D. and meets Technical Requirements,
Signature: Courtney Joyce
Date: 7/23/97
U.S. Natural Resources Conservation Service

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 County Soil Conservation District or their authorized agents, as are deemed necessary.

Signature: George Oliver
Date: 6-9-97
NAME: GEORGE OLIVER

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: G. Nelson Clark
Date: 6-9-97
NAME: G. NELSON CLARK

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

Approved: [Signature]
Date: 6-9-97