

SEDIMENT AND EROSION CONTROL NOTES

- 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. (1892-2437)
- 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.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, b) 14 days for all other disturbed or graded areas on the project site.
- 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.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and temporary seedings (Sec. 52) 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.
- 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.
- SITE ANALYSIS:**
 - Total Area of Site: 0.32 AC.
 - Area Disturbed: 0.21 AC.
 - Area to be roofed or paved: 0.05 AC.
 - Area to be vegetatively stabilized: 0.16 AC.
 - Total Cut: 70 CY.
 - Total Fill: 400 CY.
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County DFW Sediment Control Inspector.
- 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.
- If houses are to be constructed on an "as sold" basis, at random, Single Family Sediment Control, as shown below shall be implemented.
- The total amount of silt fence = 105 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	7
B. Install tree protection fence.	2
C. Install sediment and erosion control devices and stabilize. Immediately stabilize area disturbed by grading within stone channel. Provide Temporary Asphalt Berm Diversion.	7
D. Excavate for foundations, rough grade and temporarily stabilize.	30
E. Construct structures, sidewalks and driveways.	60
F. Final grade and stabilize in accordance with Stds. and Specs.	14
G. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	7

GENERAL NOTES

- Subject property is zoned: R-20 per B-2-B5 Comprehensive Zoning Plan.
- The total area included in this submission is: 14,004 Sq Ft.
- The total number of lots included in this submission are: 1.
- Improvement to property: Single family detached.
- The maximum lot coverage permitted is: 30%.
- Department of Planning and Zoning reference file numbers are: B-89-15, P-89-47, F-89-184.
- Utilities shown as existing are taken from approved water and sewer plan Contract # 24-1892-D, approved road construction plans F-89-184, and actual field survey.
- Any damage to county owned rights-of-way shall be corrected at the developer's expense.
- Storm water management is provided per: F-89-184.
- All roadways are public and existing.
- The existing topography shown was field run by Clark, Fineback and Sackett, Inc. on 2-3-93. The contour interval is 2 feet.
- 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.: 2340010 and 2440008.
- The contractor shall notify the Department of Public Works/Bureau of Construction Inspection at (301) 792-7272 at least five (5) working days prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
- The wetland buffer indicated on this plan does not affect the initial construction of a residential unit on a lot. It does prohibit subsequent clearing, grading or construction in the buffer area. Maintenance of residences, landscaping and utilities is permitted.
- For driveway apron detail see Ho. Co. Des. Man. Std. Det. # R-6.03.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT

DATE: 4/6/94

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

DATE: 4/14/94

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE. STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DATE: 3/25/94

DATE: 3/25/94

CONSTRUCTION SPECIFICATIONS:

- Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 50 feet, except in a single residence lot where a 30 foot maximum length would apply.
- Thickness - Not less than six (6) inches.
- Width - Ten (10) feet minimum, but not less than the full width at points where ingress or egress occurs.
- Filter Cloth - Will be used over the entire area prior to placing of stone. Filter will not be required over a single family residence lot.
- Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a multiple berm with 5' slopes will be permitted.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment into public rights of way. This may require periodic top dressing with additional stone as traffic damage and repair and/or cleanout of any openings used to trap sediment. All sediment applied, dropped, washed or tracked onto public rights of way must be removed immediately.
- Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights of way. When washing is required, it shall be done over a stabilized area with stone and which drains into an approved sediment trapping device.
- Periodic inspection and second maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)

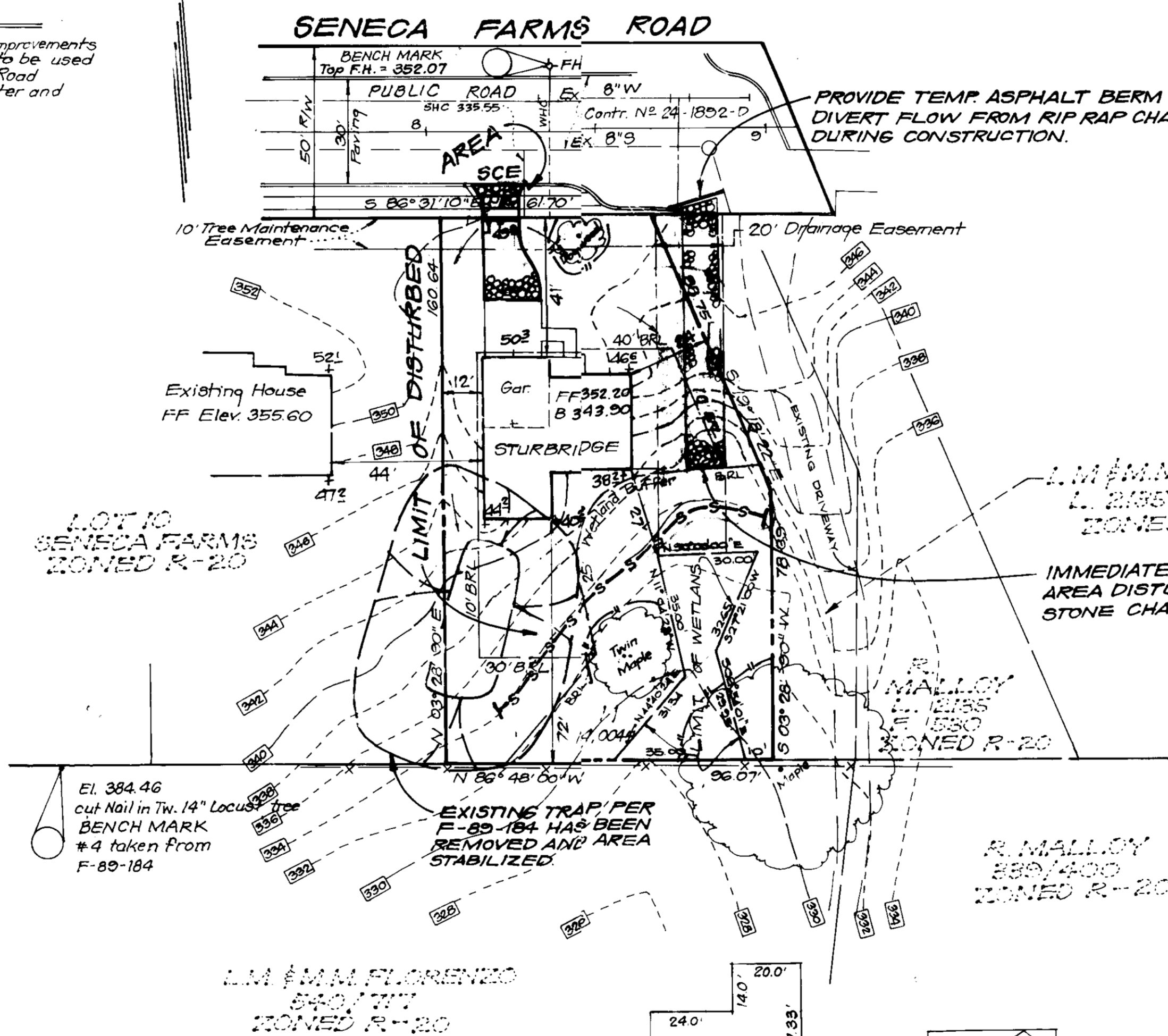
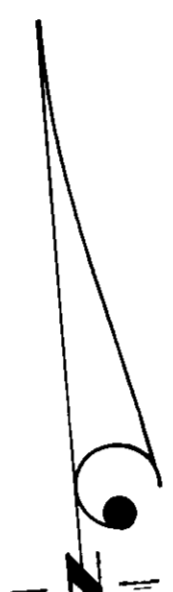
SPECIAL NOTES

This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this SDP are not to be used for construction. For construction see approved Road Construction Plans F-89-184 and/or Approved Water and Sewer Plans 24-1892-D.

CONSTRUCTION SPECIFICATIONS:

- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
- Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and bottom.
- When 2 sections of filter cloth adjoin each other they shall be fastened together with staples.
- Maintenance shall be performed as needed and material removed when "drip" develops in Silt Fence.

SILT FENCE DETAIL (9)



PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LEAF 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:
- Preferred: Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq ft.) and 800 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 600 lbs. per acre 30-0-0 uniform fertilizer (9 lbs./1000 sq ft.)
 - Acceptable: Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq ft.) and 1000 lbs. per acre 10-10-10 fertilizer (21 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) 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 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

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.).

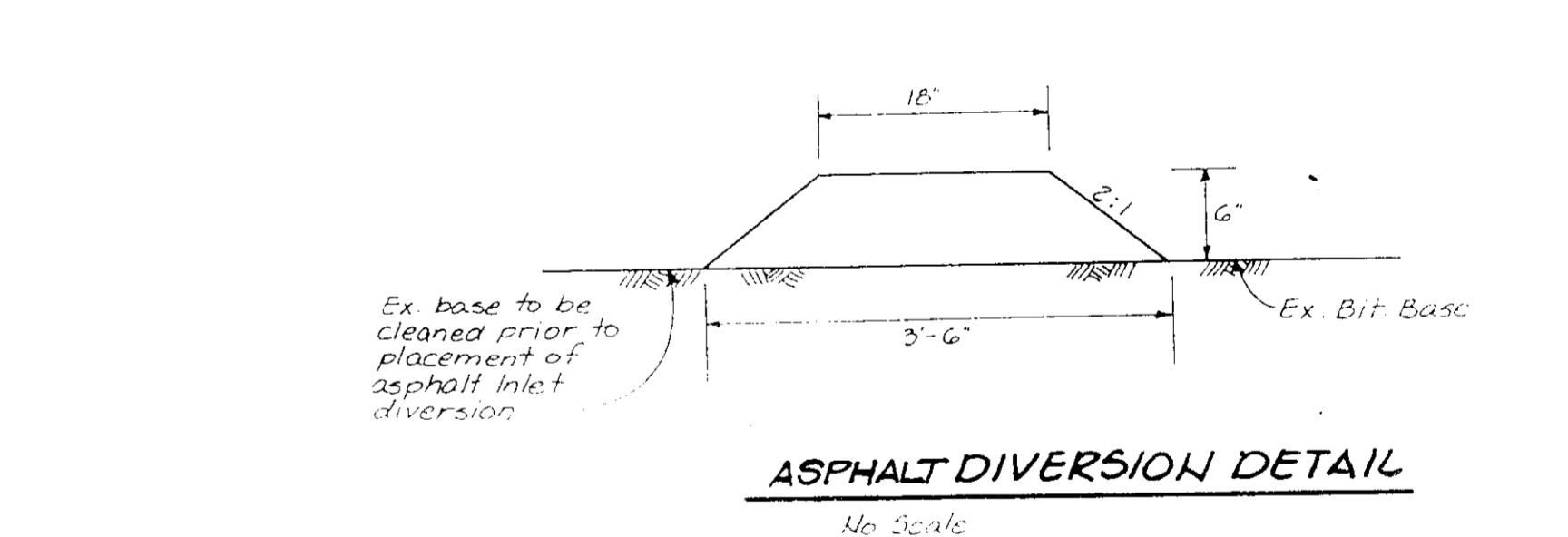
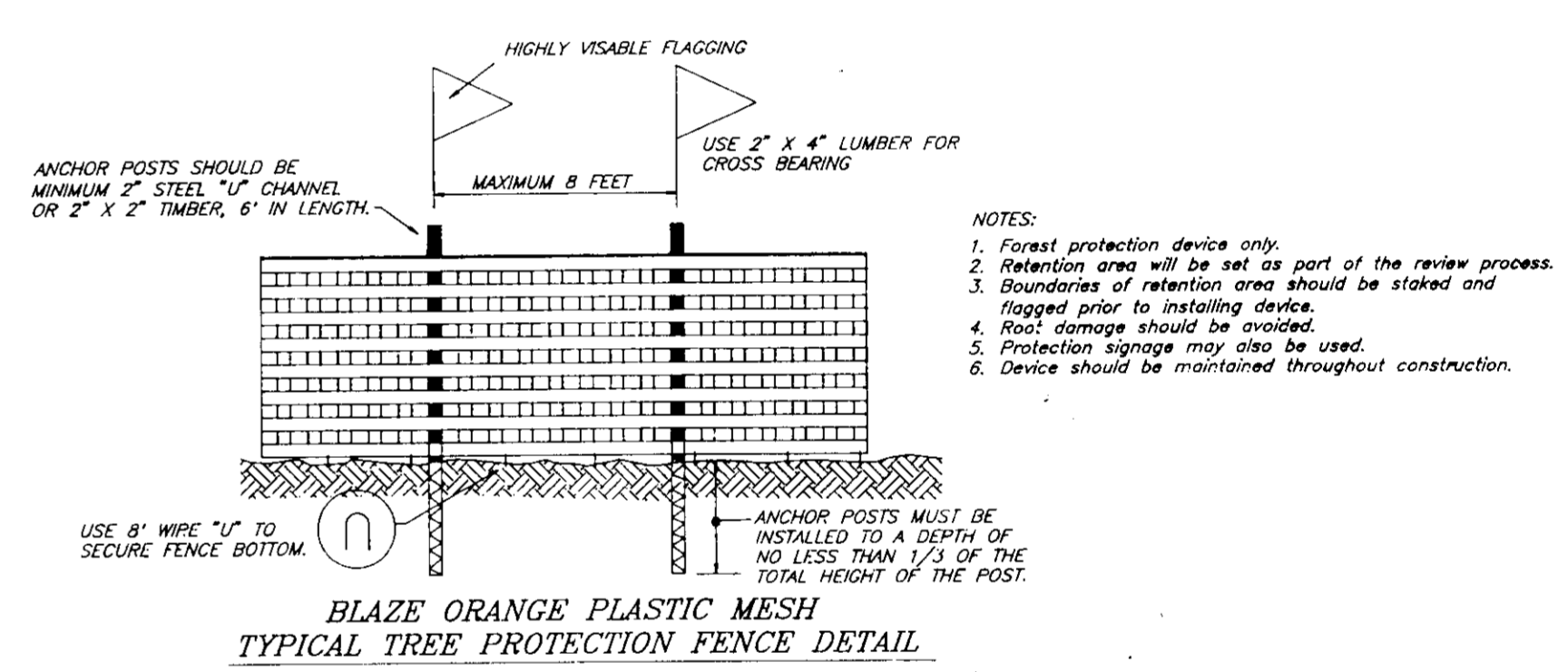
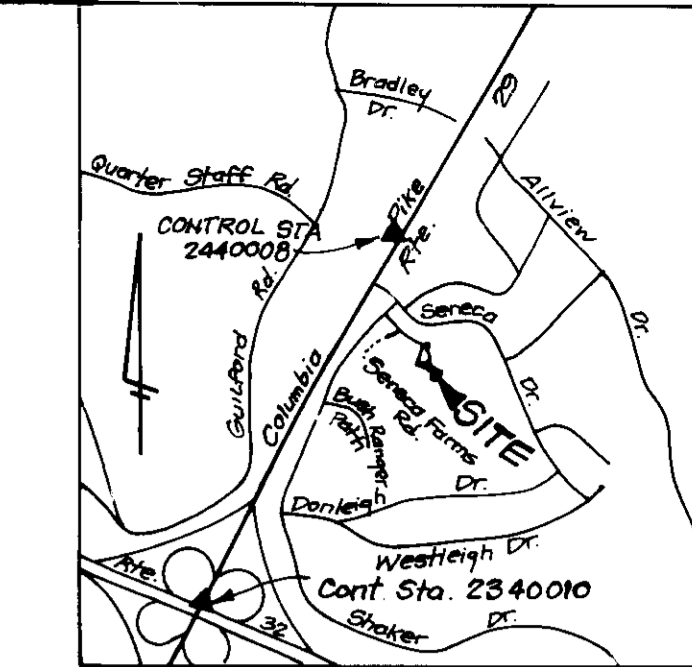
SEEDING: For periods March 1 thru April 30, and August 1 thru November 15, seed with 2 1/2 bushels per acre of annual ryegrass (2.2 lbs./1000 sq ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use seed.

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 feet or higher, use 348 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.

LEGEND

- Contour Interval: 2 Ft.
- Existing Contour: [Symbol]
- Proposed Contour: [Symbol]
- Spot Elevation: + 50.2
- Direction of Drainage: [Symbol]
- Existing Trees to be saved: [Symbol]
- Tree Protection Fence: [Symbol]
- Silt Fence: [Symbol]
- Stabilized Construction Entrance w/ Mountable Berm: [Symbol]



STREET ADDRESS						
Lot 11	6632	Seneca Farms Road		SECTION/AREA	N/A	
SUBMISSION NAME	SENECA FARMS		LOTS/PARCELS	11		
PLAT NO.	BLOCK NO.	ZONE	TAX MAP NO.	ELECTION DIST.	CENSUS TRACT	
5601	19	R-20	36	6TH	6067.01	
WATER CODE	SEWER CODE		5321900			
E-13						

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

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED: JME
DRAWN: BAL
CHECKED: JME
DATE: March 1993

SCALE: 1"=30'
DRAWING: 1 OF 1
JOB NO: 93-027
FILE NO: 93 027X

SITE DEVELOPMENT PLAN
SEDIMENT & EROSION CONTROL PLAN
LOT 11
SENECA FARMS
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: MOUNT BAY HOMES, INC.
10304-A Baltimore National Pike
Ellicott City, Md. 21043

Reviewed for HOWARD COUNTY, S.C.D. Name: John R. Robertson 3/18/94

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.

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.

Approved: John R. Robertson 3/18/94
Signature: [Signature]
Date: 3-8-93

Approved: G. Nelson Clark
Signature: [Signature]
Date: 3-5-93