

- 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)
- 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 SPECIFICATIONS 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, 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.
- 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.
- 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.
- 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	0.2755 Acres
Area Disturbed	0.150 Acres
Area to be roofed or paved	0.054 Acres
Area to be vegetatively stabilized	0.096 Acres
Total Cut	119 Cu. yds
Total Fill	236 Cu. yds
Offsite waste/borrow area location	* See Below
- 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 DSW 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 Lot Sediment Control as shown below shall be implemented.
- All pipes to be blocked at the end of each day (see detail below).
- The total amount of straw bale dikes/silt fence equals 285 I.F.

* It is the responsibility of the contractor to identify the spoil/borrow site and notify HSCD of the site and its 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.	7
B. Excavate for Foundations and Rough Grade & Temporarily Stabilize.	2
C. Construct Structures, Sidewalks and Driveways.	45
D. Final Grade and stabilize in accordance with Stds. & Specs.	5
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	1

ENVIRONMENTAL INFORMATION

EXISTING VEGETATION: The site consists of gentle grass slopes on 6% grade from the south down to the north end of the site. A 40" caliper Beech tree on the north end of the site is being saved.

Apply to graded or cleared areas not subject to immediate further disturbance with a permanent long-lived vegetative cover to be seeded.

Seeding Preparation: Loosen upper three inches of soil by raking, discing 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 400 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 50 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 of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use seed. 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 untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/2 gallon per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 3 1/2 gallons per acre (8 gal/1000 sq ft) for anchoring.

Seeding and Mulching: 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.

Seeding 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 25 bushel per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, 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 seed.

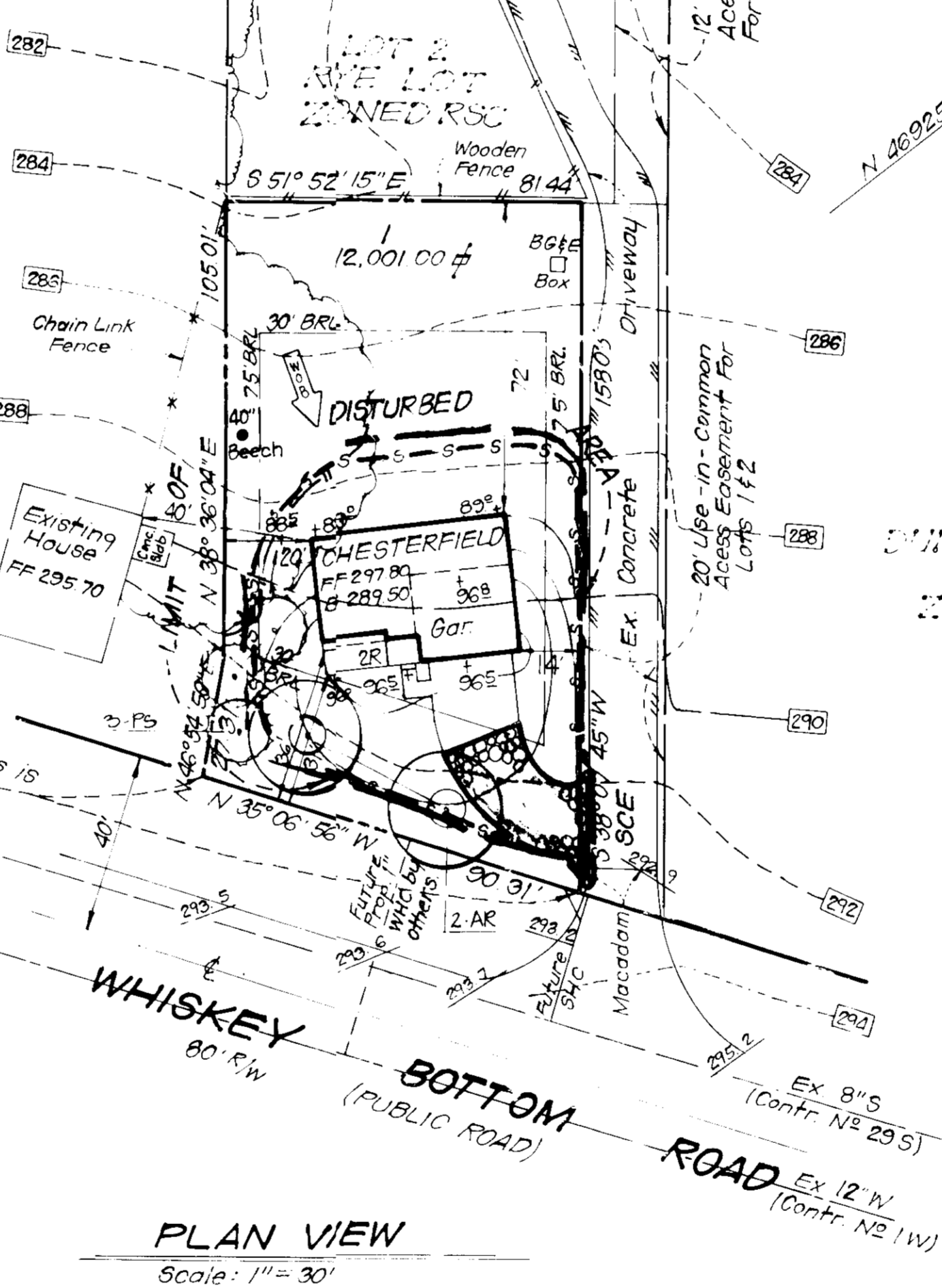
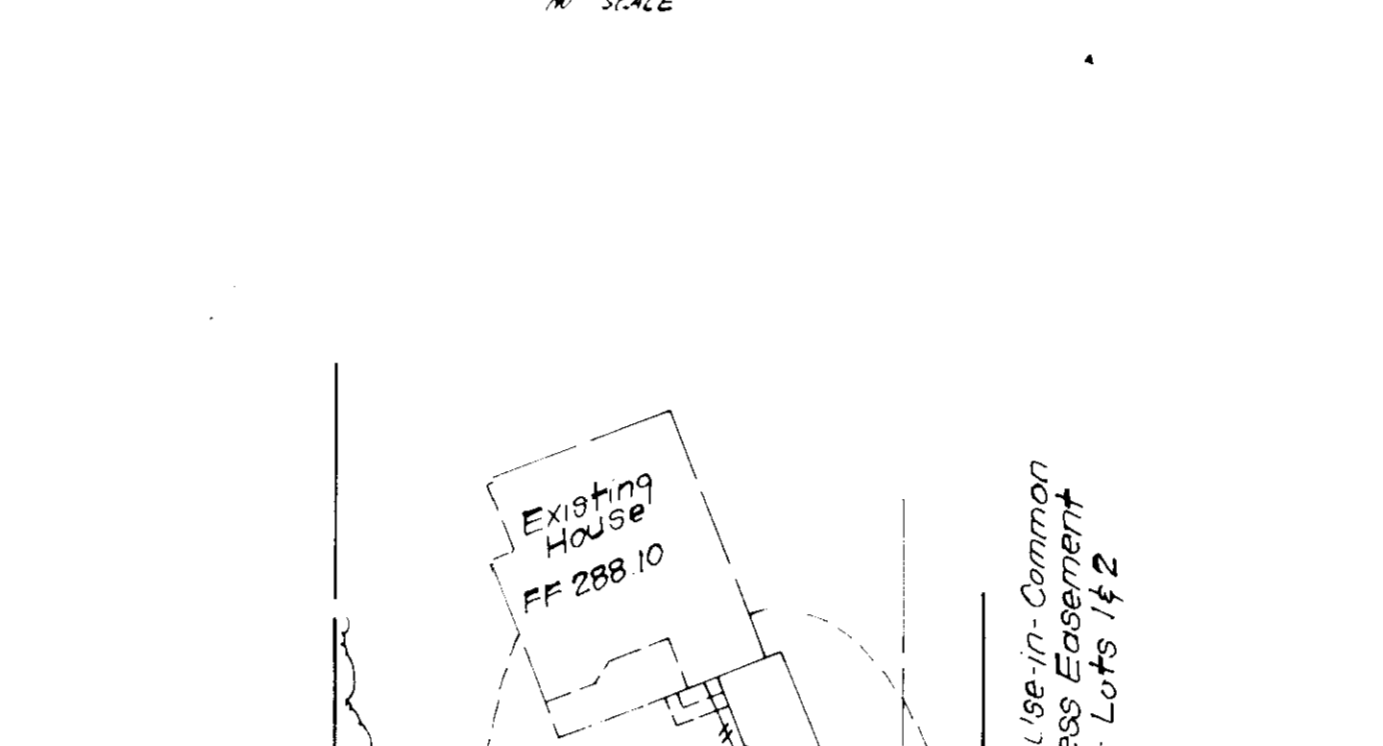
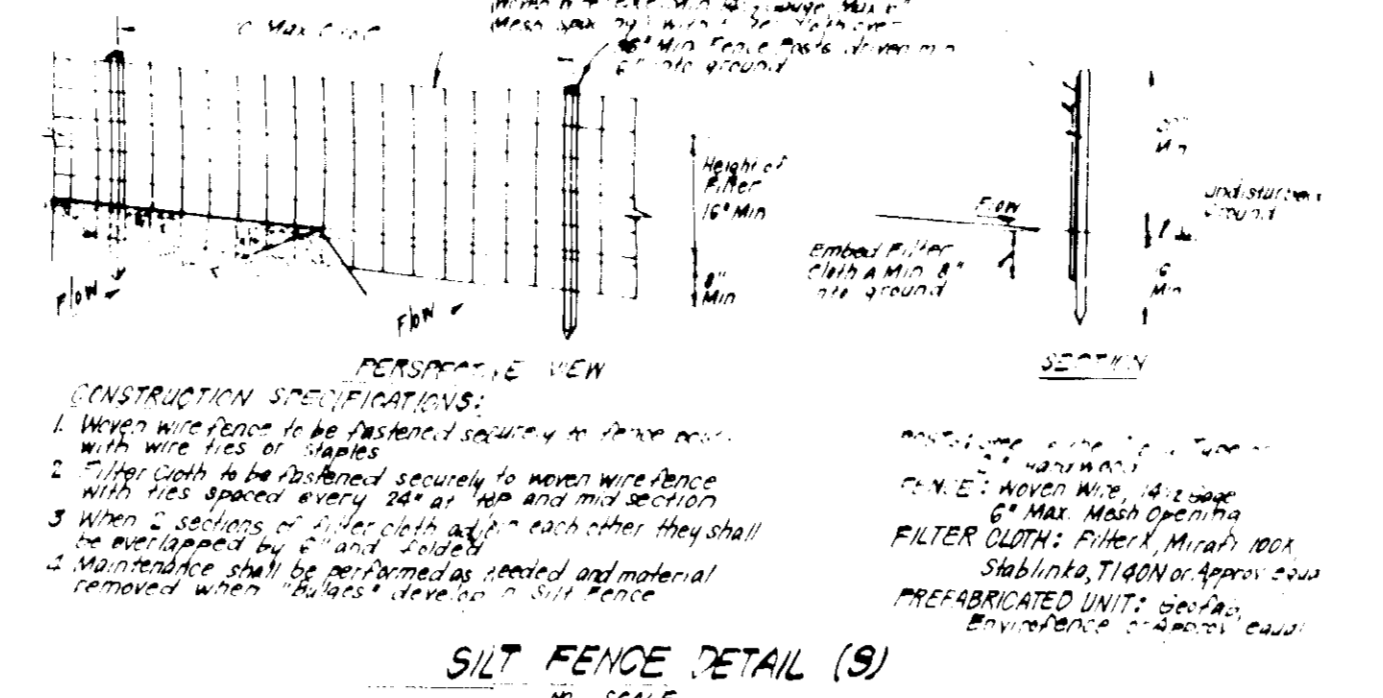
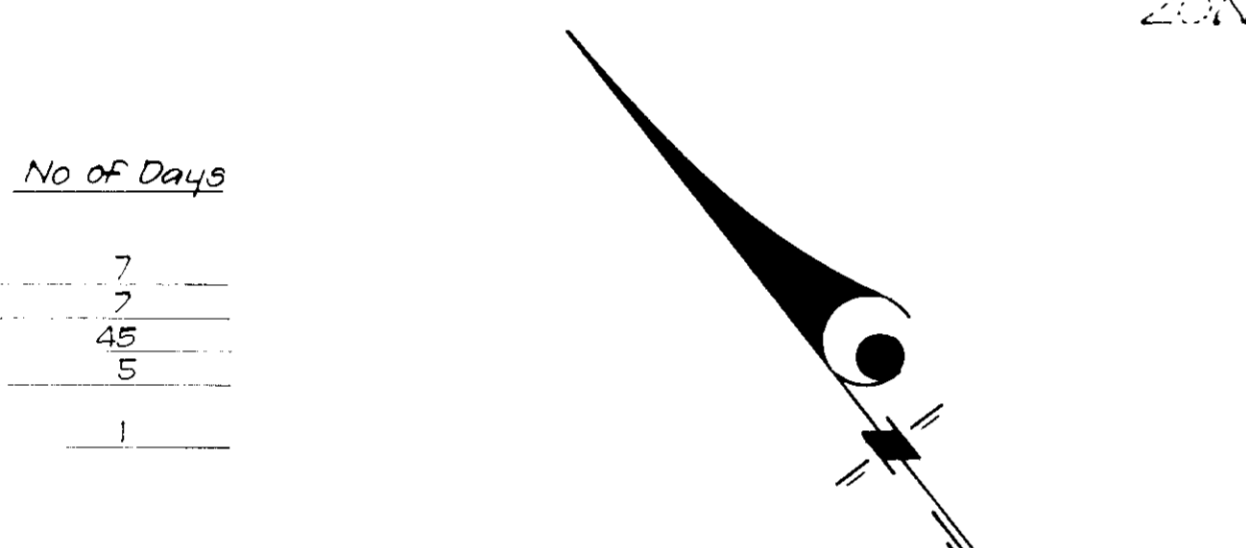
Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/2 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 3 1/2 gal per acre (8 gal/1000 sq ft) for anchoring.

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

PLANT SCHEDULE

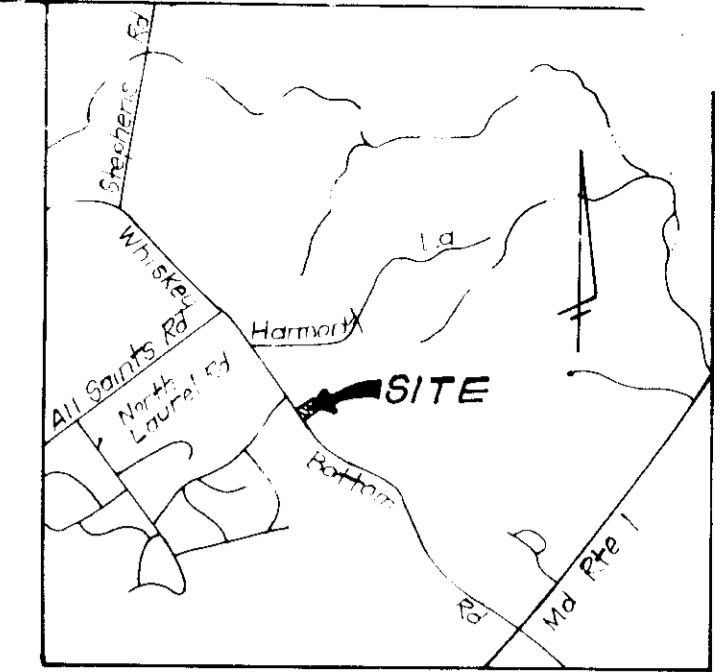
AR	Acer Rubrum "Red Sunset"	Red Sunset Maple	2	2 1/2-3' cal.	12-14'	B & B
PS	Pinus strobus	White Pine	3	6-8' Ht.		B & B

NOTE: -Contractor shall verify location of all underground utilities prior to digging.
-All planting to be done in accordance with Baltimore/Washington Landscape Specifications of L.C.A.N.W.
-All plant material to meet A.A.N. standards.



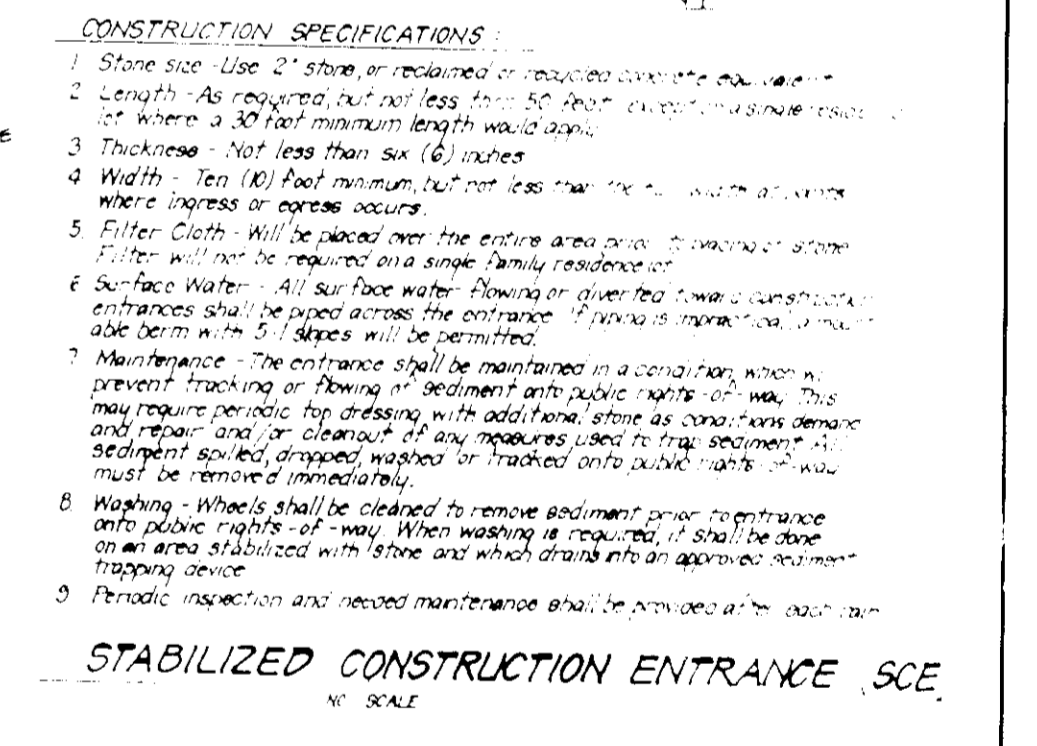
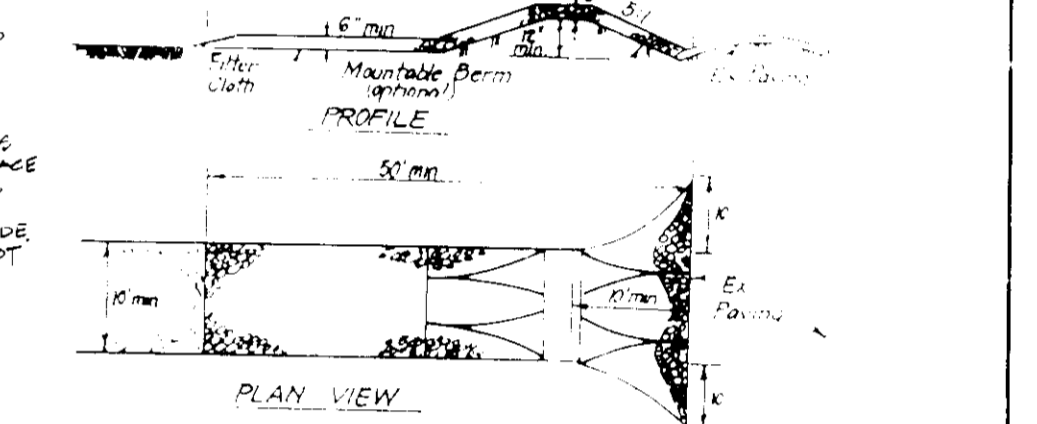
GENERAL NOTES

1. All lot dimensions shown hereon are based on the Maryland State Grid System and derived from the following Howard County Control Stations 1841004 and 1941001.
2. All boundaries are public and existing.
3. Total area including this subdivision 12,001 sq ft.
4. Total number of lots 12.
5. Any damage to existing utilities shall be corrected at the contractor's expense.
6. Maximum of 40% slope.
7. Reference plans E 85-70 & W.P. 88-76.
8. The contractor or developer shall contact the subdivision engineer in advance of commencement of work at 792-2643.
9. The existing triangular storm water field run by Clark Finefrock & Sackett Inc.
10. Improvement to property: Single Family detached unit.
11. W.P. 88-76 allows for direct driveway access to Whiskey Bottom Road a minor alteration for 2 proposed lots using a use in common driveway. (See 16 115 C 4)
12. Use in-common maintenance agreement Liber 1749 Folio 576.



LEGEND

- Existing Spot Elevation 293.7
- Tree Protection Fence
- Contour Interval 2 Ft
- Existing Contour
- Proposed Contour
- Spot Elevation +875
- Direction of Drainage
- Existing Trees to be saved
- Silt Fence
- Walk-out Basement
- Stabilized Construction Entrance w/ Mountable Berm
- Limit of Disturbed Area 50 mm



ADDRESS CHART

LOT NO.	STREET ADDRESS
1	9510 Whiskey Bottom Road

1	Rev as per Ho Co comments	7-8-91
No	REVISION	Date
Subdivision Name	RYE LOT	
Plot No	8143	
Block No	22	
Zone	R9C	
Tax Map No	47	
Elec Dist	6TH	
Census Tr	6069 02	
Water Code	0-03	
Sewer Code	7102400	

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT. *Joseph J. Conley* 8/19/91

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING. *Edmund Halberstath* 8/22/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE. STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. *James P. ...* 8/12/91

CHIEF BUREAU OF ENGINEERING *...* 8-9-91

Reviewed for... HOWARD COUNTY... S.C.D. Name and more Technical Requirements... *John R. Robertson* 7/30/91

U.S. Soil Conservation Service

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

John R. Robertson 7/30/91 Approved

DEVELOPER'S/BUILDER'S CERTIFICATE

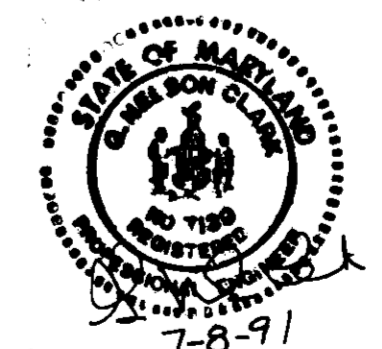
"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training 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."

Maurice M. Dunphy 7/8/91 Signature Date

ENGINEER'S 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 7-8-91 Date



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

1115 MINSTREL WAY • COLUMBIA MD 21045 • (410) 381-7500 • BALTO. • (410) 381-7500 • WASH.

DESIGNED	MJP	SITE DEVELOPMENT PLAN AND SEDIMENT & EROSION CONTROL PLAN PARCEL 175, LOT 1, TAX MAP NO 47	SCALE AS SHOWN
DRAWN	BAL	RYE LOT	DRAWING 1061
CHECKED	JME	SECTION 1 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO 88-111
DATE	May 1991	FOR: THE RYLAND GROUP INC 7130 Minstrel Way, Suite 215 Columbia, Maryland 21045	FILE NO 88-111 X

SOP-91-19