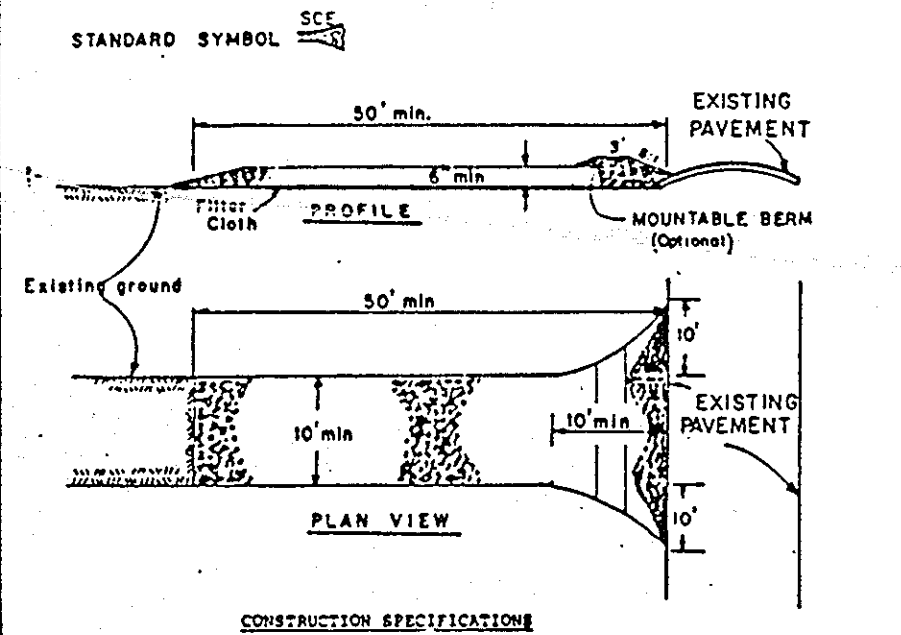


SEDIMENT CONTROL NOTES

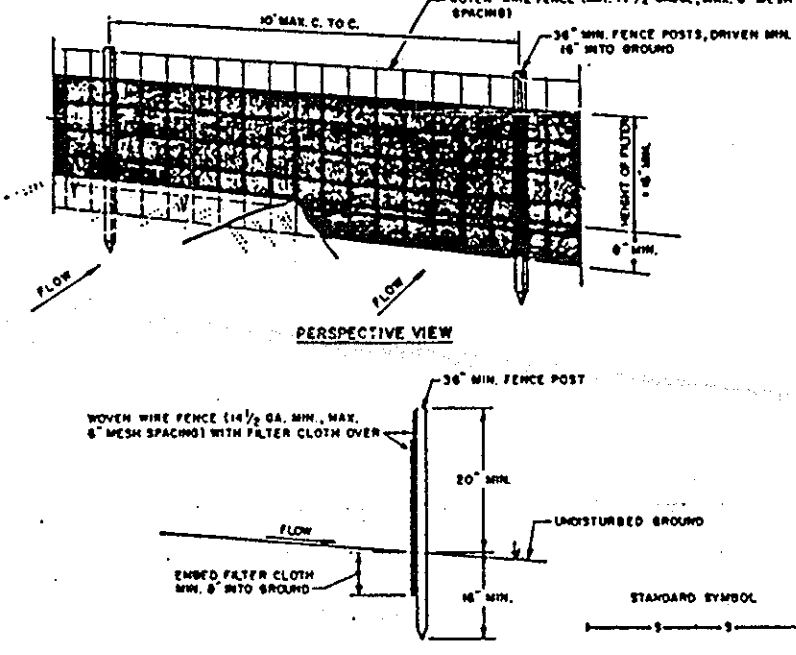
- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND 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 rates 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 0.3087 Acres
Area Disturbed 0.21 Acres
Area to be roofed or paved 0.076 Acres
Area to be vegetatively stabilized 0.134 Acres
Total Cut 103 Cu. Yds
Total Fill 95 Cu. Yds
Offsite waste/borrow area location
- 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 controls must be provided, if deemed necessary by the Howard County D/W 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 may not be authorized until this initial approval by the inspection agency is made.

STABILIZED CONSTRUCTION ENTRANCE
(NOT TO SCALE)

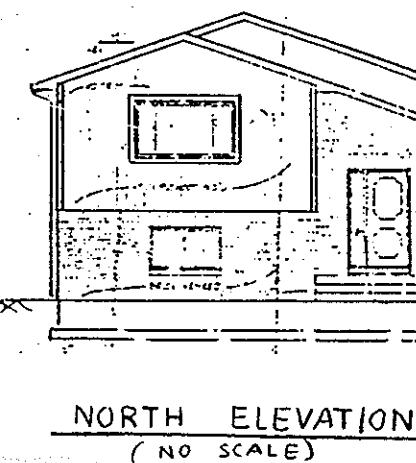


- CONSTRUCTION SPECIFICATIONS**
1. Stone Size - Use 2" stone, or recycled or recycled concrete equivalent.
 2. Length - As required, but not less than 30 feet (except on a single east-dense lot where a 30 foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (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 will not be required on a single-family residence lot.
 6. Surface water - All surface water flowing or directed toward construction entrances shall be piped across the entrance. If piping is impractical, a mounded berm with 3:1 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 cleanup of any measures used to trap sediment. All sediment spilled, 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 rain.

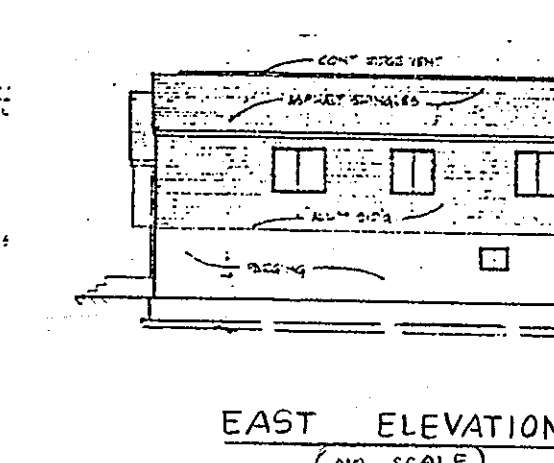
SILT FENCE



- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
1. WOODEN SILT FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOODEN SILT FENCE WITH WIRE TIES EVERY 2' AT TOP AND MID SECTION.
 3. WHEN NO SECTION OF FILTER CLOTH ALLOWED TO BE OVERLAPPED BY SIX INCHES AND FOLDED.
 4. MAINTENANCE SHALL BE PERFORMED AS NOTED AND PERIODIC TOP DRESSING WITH 'RAJES' DEVELOP IN THE SILT FENCE.
- POSTS:** SHEED, EITHER 1" O.D. TYPE OR 2" WOODCOCK
FENCE: 1/2" WIRE, 1/4" GAL. 6' TALL, PER DIVISION
FILTER CLOTH: E-100 V. PLASTIC, 100% STRENGTH OR APPROVED EQUIVALENT
PREPARED/SPREAD: GEOTEX, SANDWICH, OR APPROVED EQUIVALENT



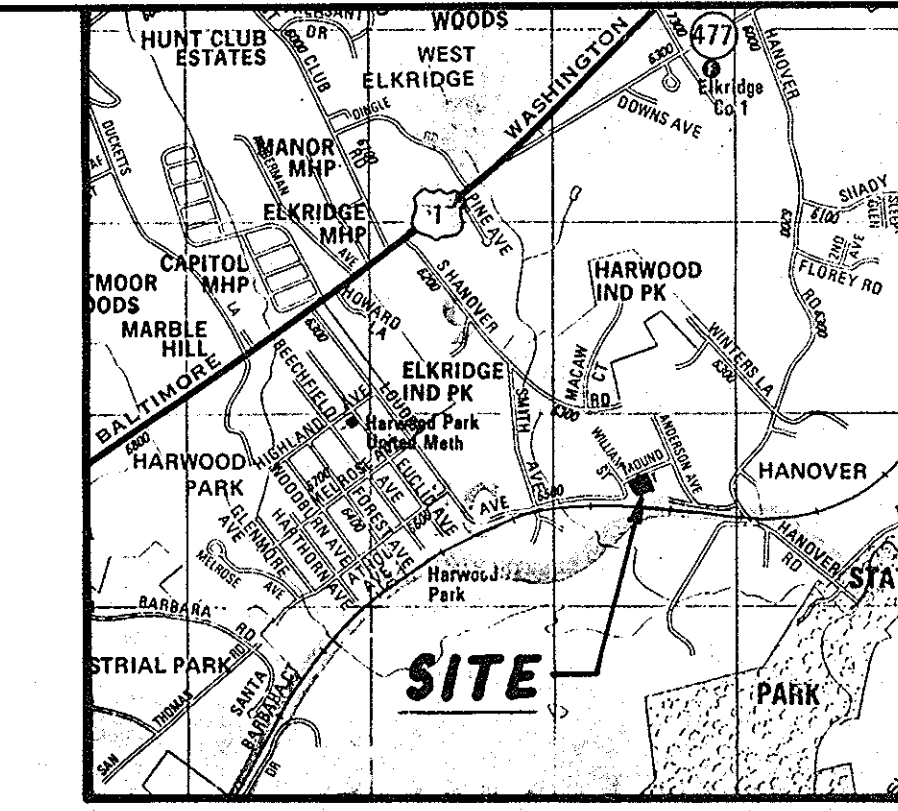
NORTH ELEVATION (NO SCALE)



EAST ELEVATION (NO SCALE)

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. ANY DAMAGE TO PUBLIC RIGHTS-OF-WAY, PAVING OR EXISTING UTILITIES WILL BE CORRECTED AT THE EXPENSE OF CONTRACTOR.
3. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION / SURVEY DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK, AT 702-7272.
4. ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HRS. IN ADVANCE OF ANY CONSTRUCTION.
5. THE LAND SHOWN IN THIS PLAN IS ZONED R-12.
6. THE AREA SHOWN IN THIS PLAN IS LOCATED ON ZONE MAP NO. 38, BLOCK : 14, PARCEL : 720.
7. EXISTING USE OF LAND : VACANT.
8. PROPOSED USE OF LAND : RESIDENT
9. WATER AND SEWER : PUBLIC
10. TYPE OF SOIL (S.C.D.) SANDY AND CLAYEY LAND.
11. TOTAL AREA OF LOT 134 = 0.152351 AC & LOT 135 = 0.156325 AC
TOTAL AREA OF LOT 134 & 135 = 0.308676 AC.



VICINITY MAP
SCALE: 1" = 2000'

SEQUENCE OF CONSTRUCTION

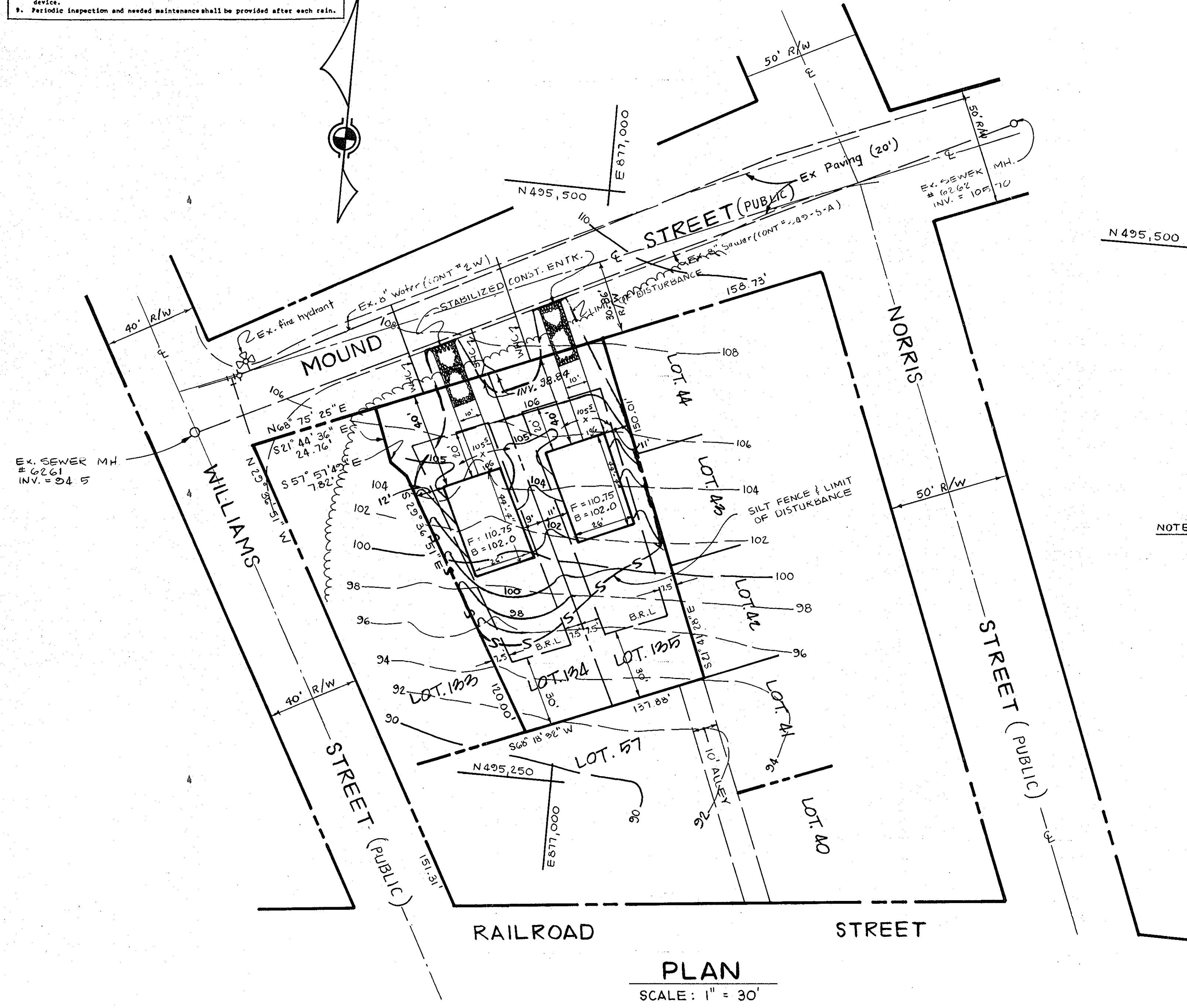
1. OBTAIN A GRADING PERMIT 1 DAY
2. CLEAR AND GRADE TO INSTALL SEDIMENT AND EROSION CONTROL DEVICES INCLUDING STONE CONST. ENTR. 2 DAY
3. GRADE THE SITE 2 DAY
4. CONSTRUCT HOUSE AND DRIVEWAY 4 MTHS.
5. FINAL GRADE AND STABILIZE AFFECTED AREAS. 1 DAY
6. REMOVE SEDIMENT CONTROL DEVICES. 1 DAY

PERMANENT SEEDING NOTES

- Seedbed Preparation:** Loosen upper 3 inches of soil by raking, disking or other acceptable means before seeding.
- Soil Amendments:** Use one of the following schedules:
- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 square ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 square 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 square ft.)
 - 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 square 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 through April 30, and August 1 through October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (.05 lbs./1000 square ft.) of weeping lovegrass. During the period of October 16 through 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 feet or higher, use 248 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 3 inches of soil by raking, disking or other acceptable means before seeding.
- Soil Amendments:** Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.)
- Seeding:** For periods March 1 through April 30 and from August 15 through November 15, seed with 24 lbs. per acre of annual rye (3.2 lbs./1000 sq. ft.). For the period May 1 through August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq. ft.). For the period November 16 through February 28, protect the 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 248 gal. per acre (8 gal./1000 sq. ft.) for anchoring.

LEGEND

1. --- EXISTING CONTOUR
2. - - - PROPOSED CONTOUR
3. [Symbol] STABILIZED CONSTR. ENTR.
4. --- LIMIT OF DISTURBANCE
5. -S-S- SILT FENCE AND LIMIT OF DISTURBANCE
6. [Symbol] WOODS



PLAN
SCALE: 1" = 30'

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-22-86
[Signature]

NOTE: TOPOGRAPHIC FIELD SURVEY DONE BY
UNIVERSAL ENGINEERING MANAGEMENT, INC.
DATED FEB. 1981.

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 COUNTY SOIL CONSERVATION DISTRICT.

[Signature] 4/23/86
SIGNATURE OF ENGINEER DATE

DEVELOPER'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 NATURAL RESOURCES 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 AND DEEMED NECESSARY."

[Signature] 4/20/1986
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS
[Signature] 4-30-86
DISTRICT SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
[Signature] 4/20/86
DISTRICT SOIL CONSERVATION SERVICE DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 5-8-86
DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 5-6-86
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 5-7-86
DATE

[Signature] 5-9-86
DATE

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
134	6355 MOUND STREET
135	6351 MOUND STREET

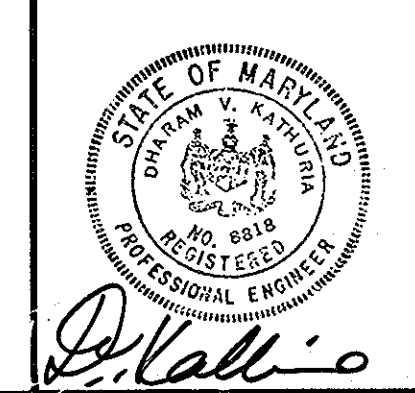
SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
HANOVERVILLE		194 / 135
PLAT # OR L/P BLOCK #	ZONE	TAX/ZONE MAP
5885	14	R-12
WATER CODE	ELC. DIST.	CENSUS TR.
A01	38	6012
SEWER CODE		
	2150508	

REVISIONS

DESIGNED	DATE	DATE	BY	DESCRIPTION
J.E.F.				
CHECKED				
APPROVED				

ENGINEERING TECHNOLOGIES ASSOCIATES, INC.
ENGINEERS, SURVEYORS, CONSTRUCTION MANAGERS.

9051 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MD. 21043
(301) 461-9920



OWNER / DEVELOPER
CHARLES ATAS
1706 TRINITY LANE
ANNAPOLIS, MD. 21401
(301) 569-9400

SITE, GRADING AND SEDIMENT CONTROL PLAN
HANOVERVILLE
LOT 134 AND 135
TAX MAP: 38 PARCEL: 720 BLOCK: 14
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN CONTRACT NO. DATE: MAR. 86 SHEET: 1 of 1