

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, 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 (82 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 the 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 (82 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 6000 lbs per acre (14 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 (0.6 lbs/1000 sq ft) of creeping timothy. During the period of October 1 thru February 28, seed with 60 lbs. per acre (1.4 lbs./1000 sq ft) of creeping timothy 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 2 lbs/acre of creeping timothy.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrattled 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 368 gallons per acre (9 gal/1000 sq ft) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, reapplications and reseedings.

TEMPORARY SEEDING NOTES

SEEDBED 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 2 1/2 bushels 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 creeping timothy (0.7 lbs/1000 sq ft). For the period November 16 thru February 28, seed with 2 lbs. per acre of creeping timothy 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 unrattled 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 368 gallons per acre (9 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.

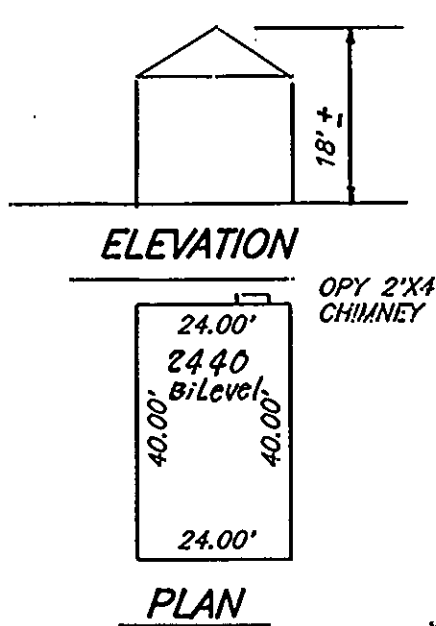
SEDIMENT AND EROSION CONTROL NOTES

- 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. (992-2437).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance 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 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 SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, for permanent seedings (Sec. 51) and temporary seedings (Sec. 52) and mulching (Sec. 53). 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: 0.135 AC.
 Area Disturbed: 0.135 AC.
 Area to be vegetatively stabilized: 0.113 AC.
 Total Cut: 2407
 Total Fill: 0
 Off-site Water/Borrow Area Location:
 Any sediment control practice which is described by grading activity for placement of siltbasins must be repaired on the same day of disturbance.
 Additional sediment control must be provided, if deemed necessary by the Howard County DPM Sediment Control Inspector. On all sites with disturbed areas in excess of 5 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 grading or seeding operations may not be authorized until the Inspection agency is notified.
 If houses are to be constructed on an "as sold" basis, at random, Single Family Sediment Control, as shown below shall be implemented.
 All pipes to be blocked at the end of each day (see detail this sheet).
 The total amount of silt fence: 150 LF.

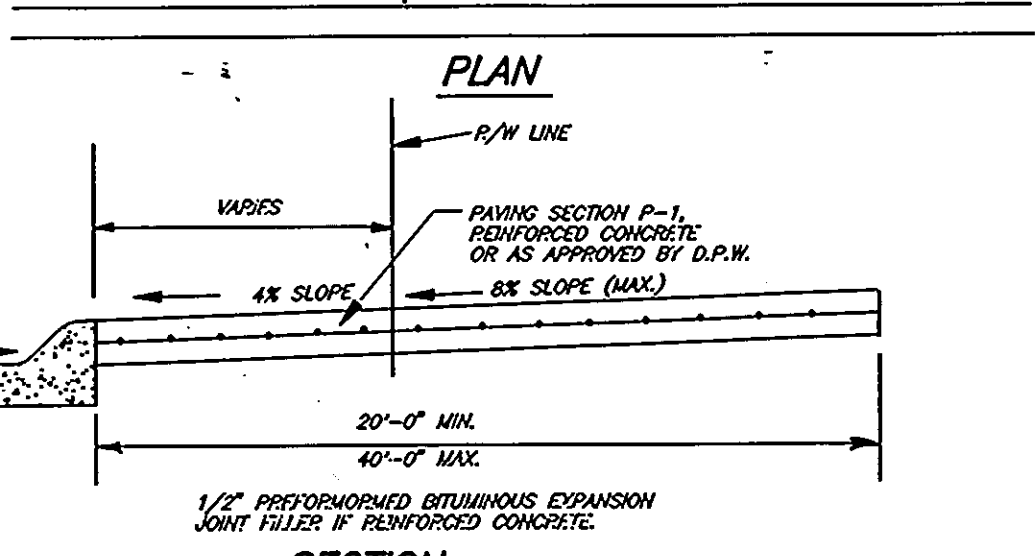
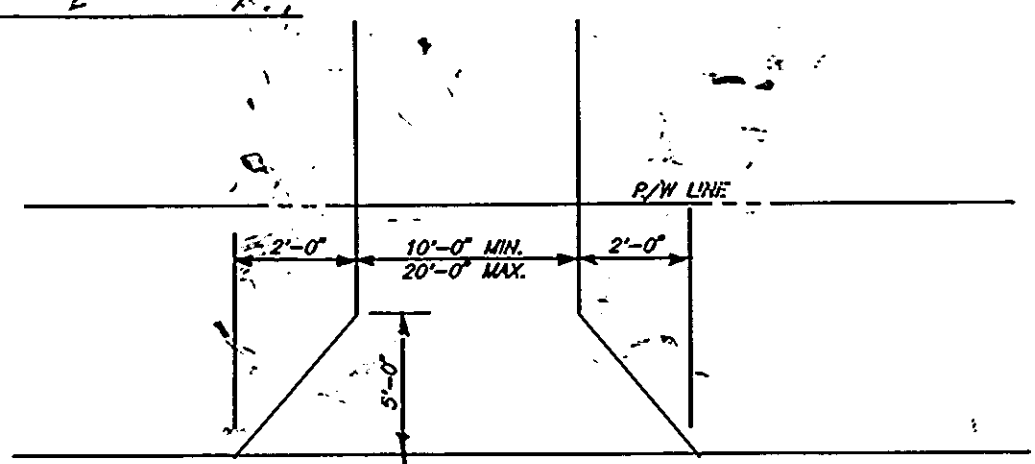
It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and its grading permit number at the time of construction.

CONSTRUCTION SEQUENCE:

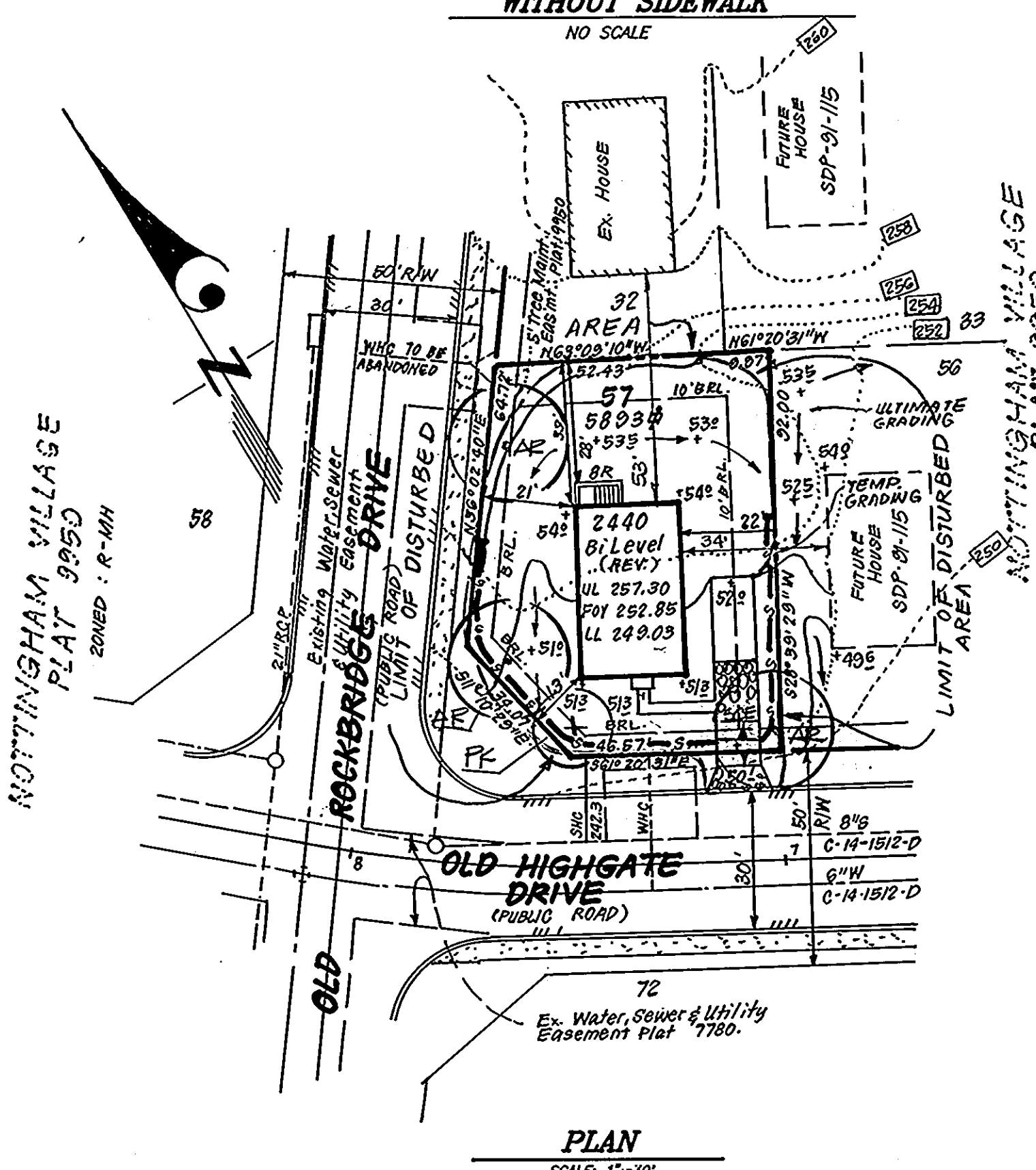
	NO. OF DAYS
A. Obtain grading permit and install sediment and erosion control devices and stabilize.	7
B. Excavate for foundations, rough grade and temporarily stabilize.	14
C. Construct structures, sidewalks and driveways.	60
D. Final grade and stabilize, in accordance with S.D.P. and Specs.	14
E. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.	7



TYPICAL HOUSE
SCALE: 1"=30'

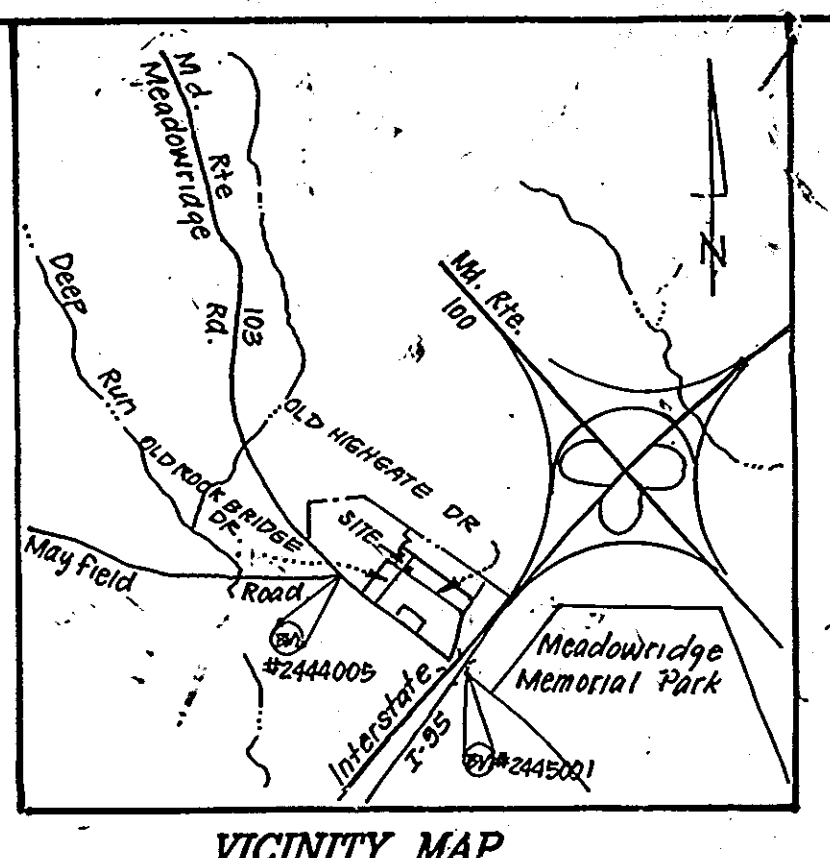
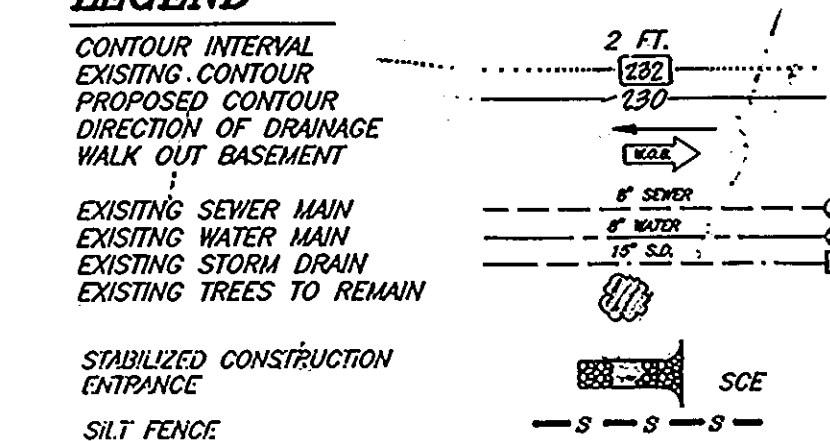


RESIDENTIAL DRIVEWAY ENTRANCE MODIFIED CURB AND GUTTER WITHOUT SIDEWALK
NO SCALE



PLAN
SCALE: 1"=30'

LEGEND



VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES:

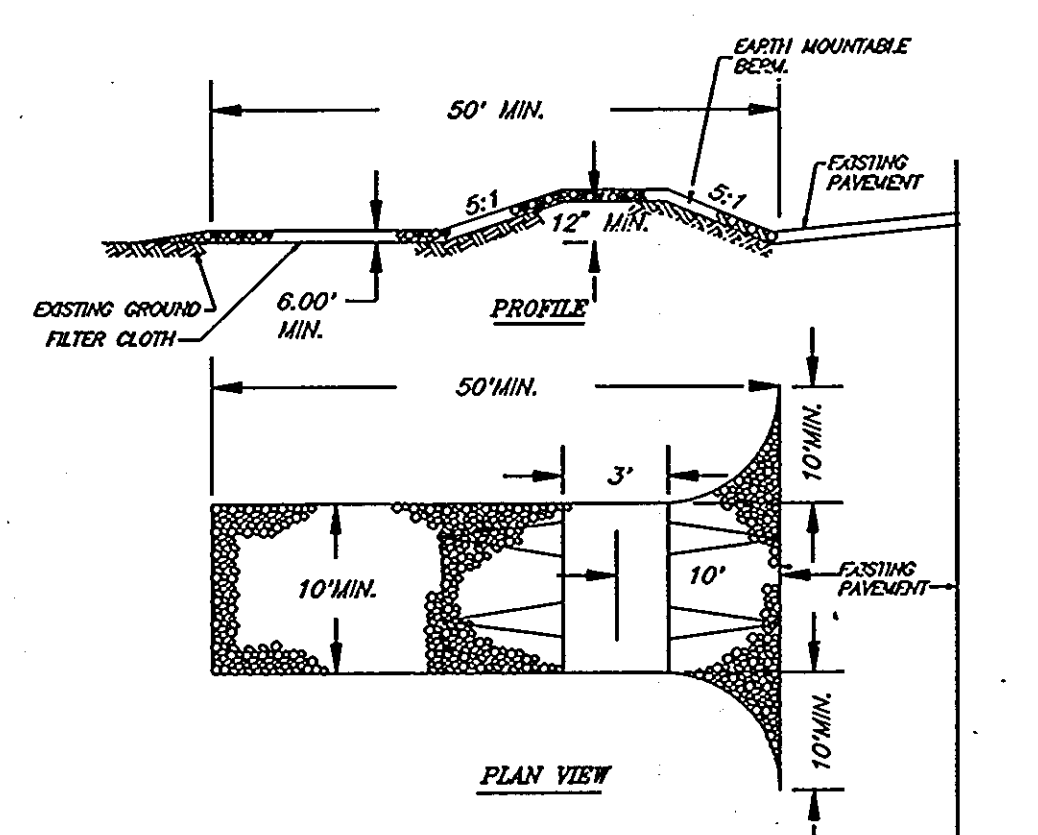
- The contractor shall notify the Department of Public Works/Bureau of Construction Inspection at (301) 792-7272 at least five (5) working days prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
- The existing topography shown was field run by Clark, Finefrock and Sackett, Inc. in May 1991. 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. 2444005 and 2445001.
- Any damage to county owned rights-of-way shall be corrected at the developer's expense.
- Utilities shown as existing are taken from approved water and sewer plan Contract #44-1512-D, approved road construction plans F-91-99, and actual field survey.
- Department of Planning and Zoning reference file numbers are: F-87-156, F-89-104, F-91-99, WP-91-89 and SDP-86-234, SDP-91-115.
- All roadways are public and existing.
- Subject property is zoned: R-MH per 8-2-85 Comprehensive Zoning Plan.
- The total area included in this submission is: 4.1
- The total number of lots included in this submission is: 5893 sf
- The maximum lot coverage permitted is: 40%, PROPOSED: 16.95%
- Improvement to property: Manufactured Dwelling
- Only manufactured dwelling units are permitted in this mobile park subdivision per Section 103.A33 and III.B.2 of the Zoning Regulations.

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-91-99 and/or approved Water and Sewer Plans Contract #C-44-1512-D.

SHEET INDEX:

SHEETS 1 SITE DEVELOPMENT AND SEDIMENT & EROSION CONTROL PLANS	
ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
57	6437 OLD HIGHGATE DRIVE



STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE

STANDARD SYMBOL: S-S-S

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- WOMEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOMEN WIRE FENCE WITH TIES SPACED EVERY 4" AT TOP AND SIDES.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND TIED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE (S)
NO SCALE

STABILIZED CONSTRUCTION ENTRANCE (SCE)
NO SCALE

PLANT SCHEDULE

PLANT NAME	QTY	REMARKS
ACER RUBRYLUM	3	D&B
FRAXINUS SPERM. 'KWAZAN'	1	D&B

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 8-18-92

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: [Signature] DATE: 8/27/92

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 8/12/92

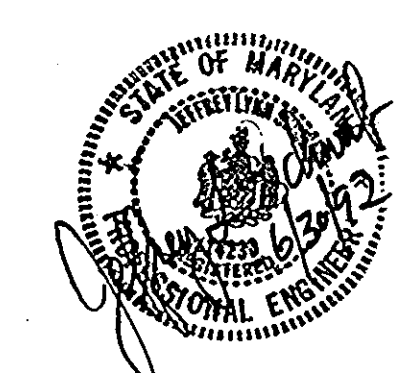
CHIEF BUREAU OF ENGINEERING
 [Signature] DATE: 8/12/92

HOWARD COUNTY S.C.D.
 Reviewed for [Name] and meets Technical Requirements
 Signature: [Signature] Date: [Date]
 US Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 Approved: [Signature]

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.
 Signature: [Signature] Date: 6/30/92

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: [Signature] Date: 6/30/92



OWNER / DEVELOPER:
 SECURITY DEVELOPMENT CORP.
 P.O. BOX 417
 ELLICOTT CITY, MD 21043

PLATS	DATE	CHECKED BY
UNRECORDED		
RECORDED	6-25-91	KIWM

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO. • (301) 621-8000 - WASH.

SITE DEVELOPMENT AND SEDIMENT AND EROSION CONTROL PLAN
 LOT 57
NOTTINGHAM VILLAGE
 SECTION 1
 1ST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: THE RYLAND GROUP
 7130 MINSTREL WAY
 COLUMBIA, MARYLAND 21045

SCALE: AS SHOWN
 DRAWING: 1 of 1
 JOB NO.: 91-051
 FILE NO.: 91-051-X
 DATE: JUNE 1992
 S.D.P. 92-128