

LEGEND

- 1 Contour Interval 2 ft
- 2 Existing Contour 410
- 3 Proposed Contour 410
- 4 Spot Elevation +105
- 5 Direction of Drainage
- 6 Exist Trees to be Saved
- 7 Walk-out basement
- 8 Straw Bale Dike
- 9 Stabilized Construction Entrance

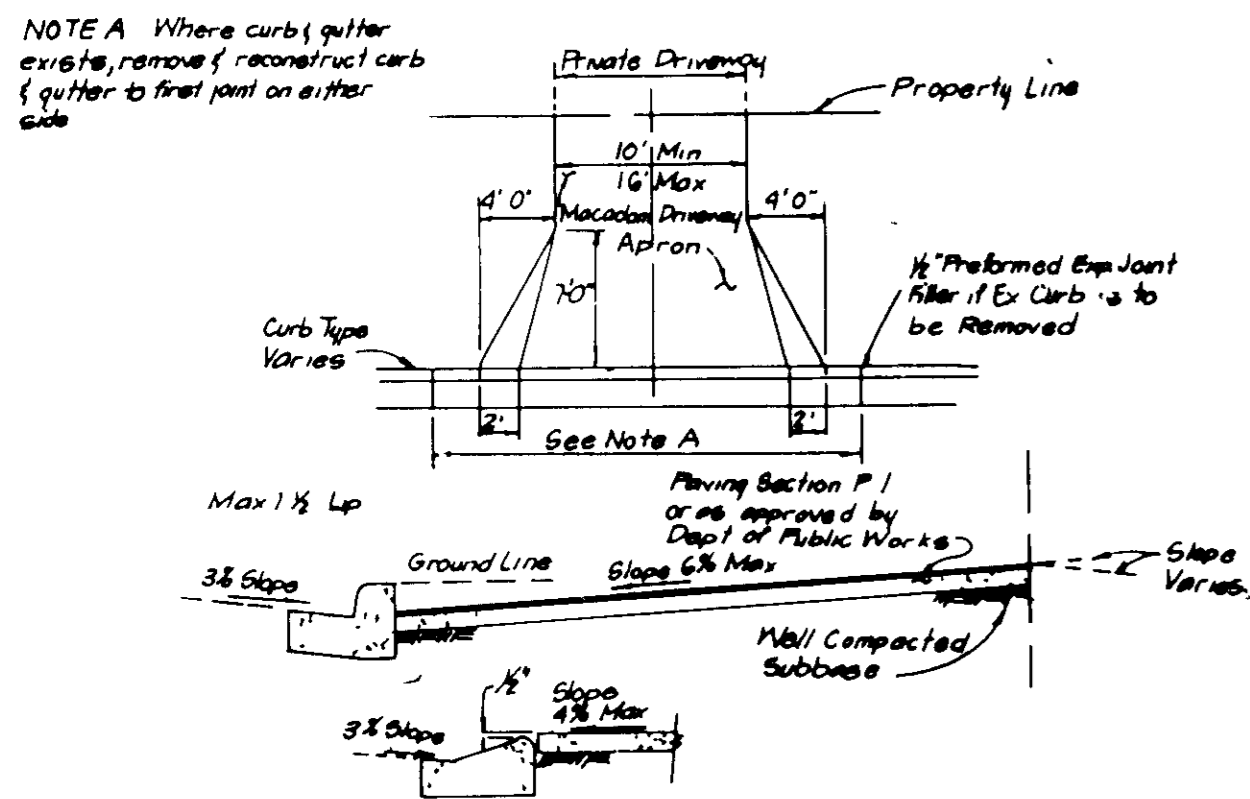
GENERAL NOTES

- 1 The land included is zoned R-20
- 2 All coordinates shown hereon are based on Howard County Control Stations 2743006-R & 2743004-R
- 3 The area covered in this plan is located on Tax Map #31
- 4 The total area included in this plan is 0.8408 Ac
- 5 All roadways are public and existing
- 6 Any damage to County owned Right-of-ways shall be corrected at the Developer's expense.
- 7 Total number of lots included in this plan is 2
- 8 Maximum building coverage is 30%
- 9 Office of Planning & Zoning File Reference Numbers S-84-07, P-84-25, F-84-200

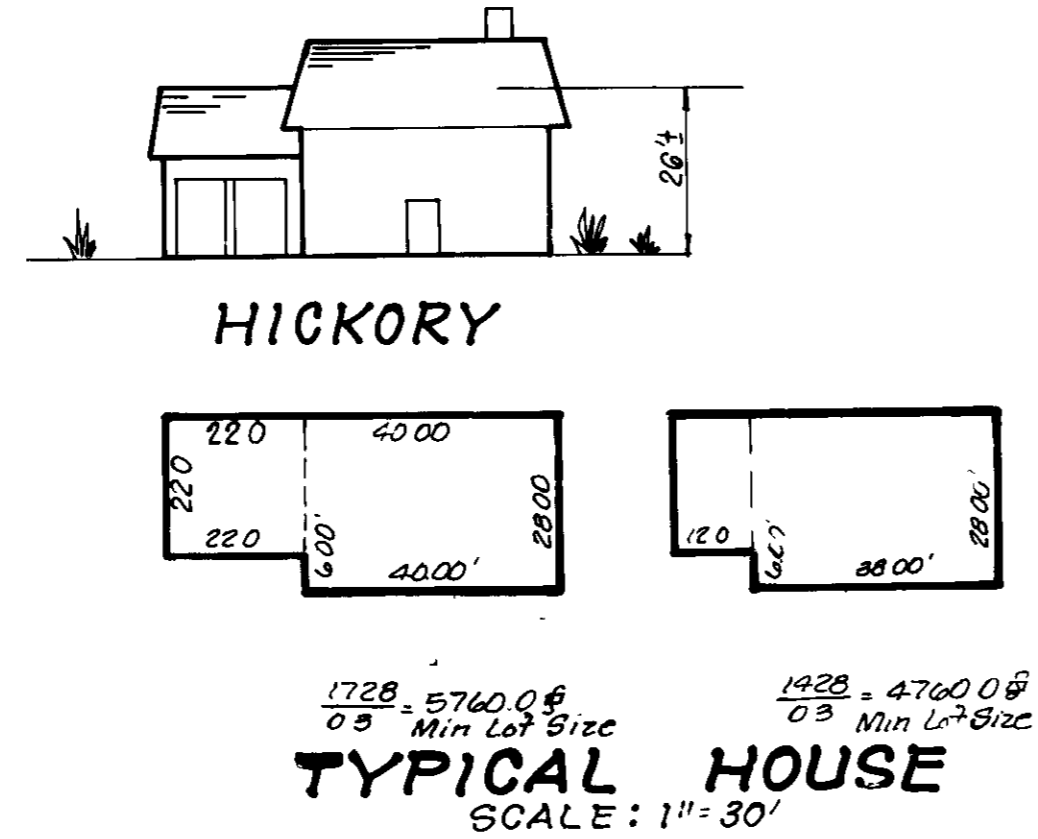
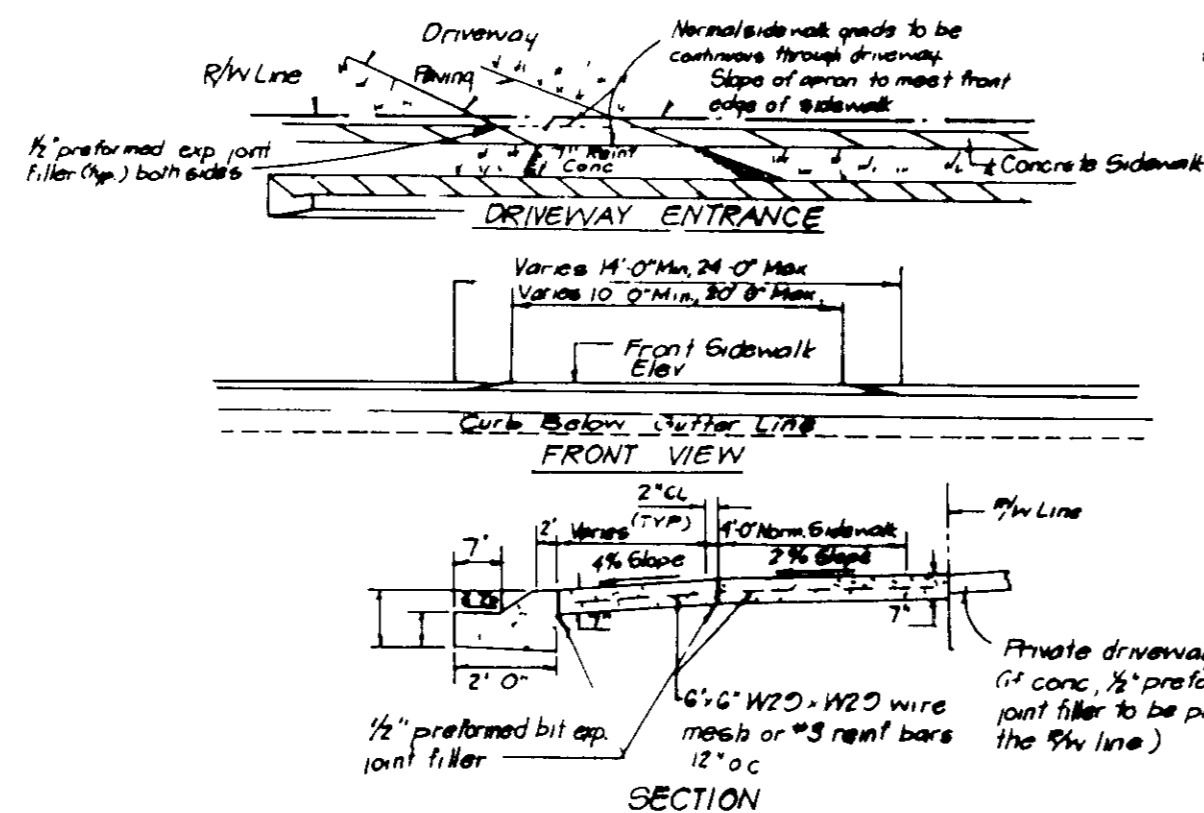
SPECIAL NOTES

- 1 Approved Road Construction Plans shall be used for all public utilities.
- 2 Public water & sewer shown for reference only. For more detailed information see water & sewer plans Contract No 14-1288-7
- 3 The water & sewer house connections not included in a "Developer's Agreement" shall conform to Howard County Plumbing Code. The onsite WHC shall be 1" copper & sewer shall be 4" iron
- 4 Storm Water Management provided for by a central Facility under F-84-200

LOT#	STREET ADDRESS
122	8363 Mitzu Lane
123	8355 Mitzu Lane



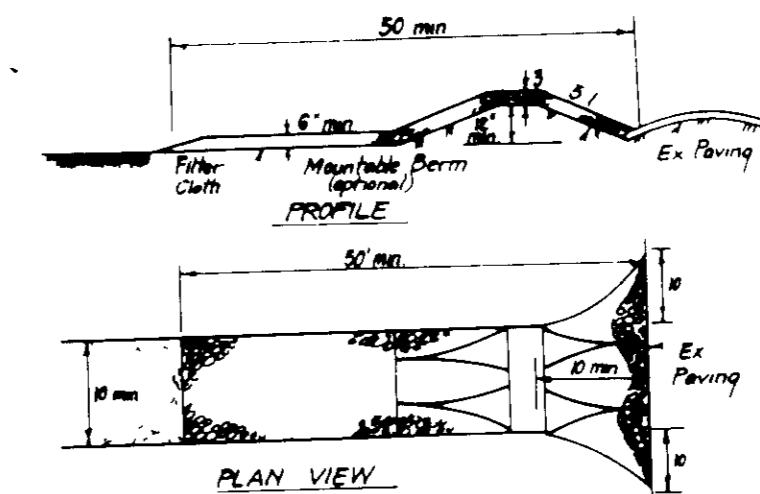
DRIVEWAY ABUTTING CLOSED SECTION WITH MODIFIED COMB CURB & GUTTER & SIDEWALK



CONSTRUCTION SEQUENCE:

- | | |
|--|----|
| A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize. | 7 |
| B. Excavate for foundations and Rough Grade of Temporarily Stabilize | 30 |
| C. Construct Structures, Sidewalks and Driveways. | 60 |
| D. Final Grade and stabilize in accordance with Stds. & Specs. | 30 |
| E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize | 14 |

NO DAYS



CONSTRUCTION SPECIFICATIONS

- 1 Stone size - Use 2" stone, or recycled concrete equivalent
- 2 Length - As required, but not less than 10' (exception a single residence lot where a 30' length minimum length would apply)
- 3 Thickness - Not less than six (6) inches
- 4 Width - Ten (10) feet minimum, but not less than the full width of 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 simple family residence lot
- 6 Surface Material - All surface material shown or specified for construction entrance shall be spread across the entrance. If tipping is impractical, a mountable berm with 5' slopes will be permitted
- 7 Maintenance - The entrance shall be maintained in a condition which will prevent erosion or flooding of adjacent public rights-of-way. The entrance shall be cleaned up or repaired if it shall be closed into public rights-of-way. When washed down into an approved sediment or an area stabilized with stone and which is not to be removed immediately
- 8 Markings - Wheels shall be cleaned to remove sediment prior to entrance into public rights-of-way. When washed down into an approved sediment or an area stabilized with stone and which is not to be removed immediately
- 9 Periodic inspection and needed maintenance shall be provided after each rain

STABILIZED CONSTRUCTION ENTRANCE (SCE)

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Soil 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) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lb/1000 sq ft) and 500 lb per acre 10-10-10 fertilizer (14 lb/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil at time of seeding, apply 400 lb per acre 30-0-0 ureaform fertilizer (9 lb/1000 sq ft).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lb/1000 sq ft) and 1000 lb per acre 10-10-10 fertilizer (21 lb/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 lb per acre (1.4 lb/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lb Kentucky 31 Tall Fescue per acre and 2 lb per acre (.05 lb/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 lb/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 lb/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/2 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

Apply to graded or cleared areas likely to be re-disturbed where a short-term vegetative cover is needed

Soil Preparation - Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened

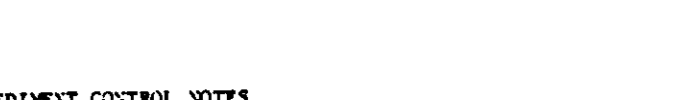
Soil Amendments - Apply 600 lb per acre 10-10-10 fertilizer (14 lb/1000 sq ft)

Seeding - For periods March 1 thru April 30 and from August 15 thru November 15, seed with 35 bushel per acre of annual rye (3.2 lb/1000 sq ft). For the period May 1 thru August 14, seed with 3 lb per acre of weeping lovegrass (.07 lb/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 lb/1000 sq ft) of unrotted 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 feet or higher, use 348 gal 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.

VICINITY MAP
Scale: 1"=1200'



1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permitting prior to the start of any construction activity. (1982-1983)

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 shall 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 seedings data 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	0.841 Acres
Area Disturbed	0.242 Acres
Area to be roofed or paved	0.106 Acres
Area to be vegetatively stabilized	0.336 Acres
Total Cut	600.0 Cu. Yds
Total Fill	212.0 Cu. Yds
On-site waste/borrow area location	

8) Any sediment control practices which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

9) Additional sediment control must be provided, if deemed necessary by the Howard County DW sediment control inspector.

10) On all sites with disturbed areas in excess of 2 acres, approval 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.

11) If houses are to be constructed on an "In-Sold" basis, at random, single lot sediment control as shown below shall be provided.

12) All pipes to be blocked at the end of each lot (see detail below).

13) The amount of straw bale dikes/silt basins equals 500 L.F.

HOWARD
James M. Nelson 1-21-88
Soil Conservation Service
J.S. Soil Conservation Service

ENGINEER'S CERTIFICATE
I hereby certify that this plan for Erosion and Sediment Control was prepared by me or under my direct supervision and 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
Registered Professional Engineer
Md. No. 112801
Date: 11-23-87

APPROVED
DATE: 11/23/87

SUBDIVISION NAME	GLENMAR	SECTION	2	PARCEL	122 & 123
PLAT OR L.F. BLOCK #	Q129	ZONE	R-20	TAX/ZONE MAP ELEC DIST	31 / 1
WATER CODE	607	SEWER CODE	2900000	CENSUS TR	G011

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 2/1/88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 1/27/88

APPROVED
DIVISION OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
DATE: 12-31-87

DEVELOPERS/BUILDERS CERTIFICATE

I/We certify that all devices and structures shown on this plan are in accordance with the provisions of the Howard County Ordinance and that all responsible parties on this project will have a Certificate of Approval from the Howard County Department of Public Works before beginning the construction of the project. I/We certify that the project will be inspected by the Howard County Department of Public Works at the time of construction and that all necessary authorized agencies will be notified as required.

Signature of Developer/Builder: [Signature]
Date: 11/23/87

CLARK • FINEFROCK & SACKETT, INC
ENGINEERS • PLANNERS • SURVEYORS
1711 MINNIE LANE • COLUMBIA, MD 21046 • (410) 881-2222

DESIGNED: LUG/ULS
DRAWN: G.S.
CHECKED: LUG/ULS
DATE: December 1987

SITE DEVELOPMENT AND EROSION CONTROL PLAN
LOTS 122 & 123
SECTION TWO
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1"=30'
DRAWING: 10p1
JOB NO: 87-140
FILE NO: 87-140-X

For Allied Construction
5373 Hesperus Drive
Columbia, Maryland 21044

SDP-88-111