

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.

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 square ft) and 400 lbs per acre 10-0-10 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 10-0-10 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 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 (.05 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 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 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 redisturbed where a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

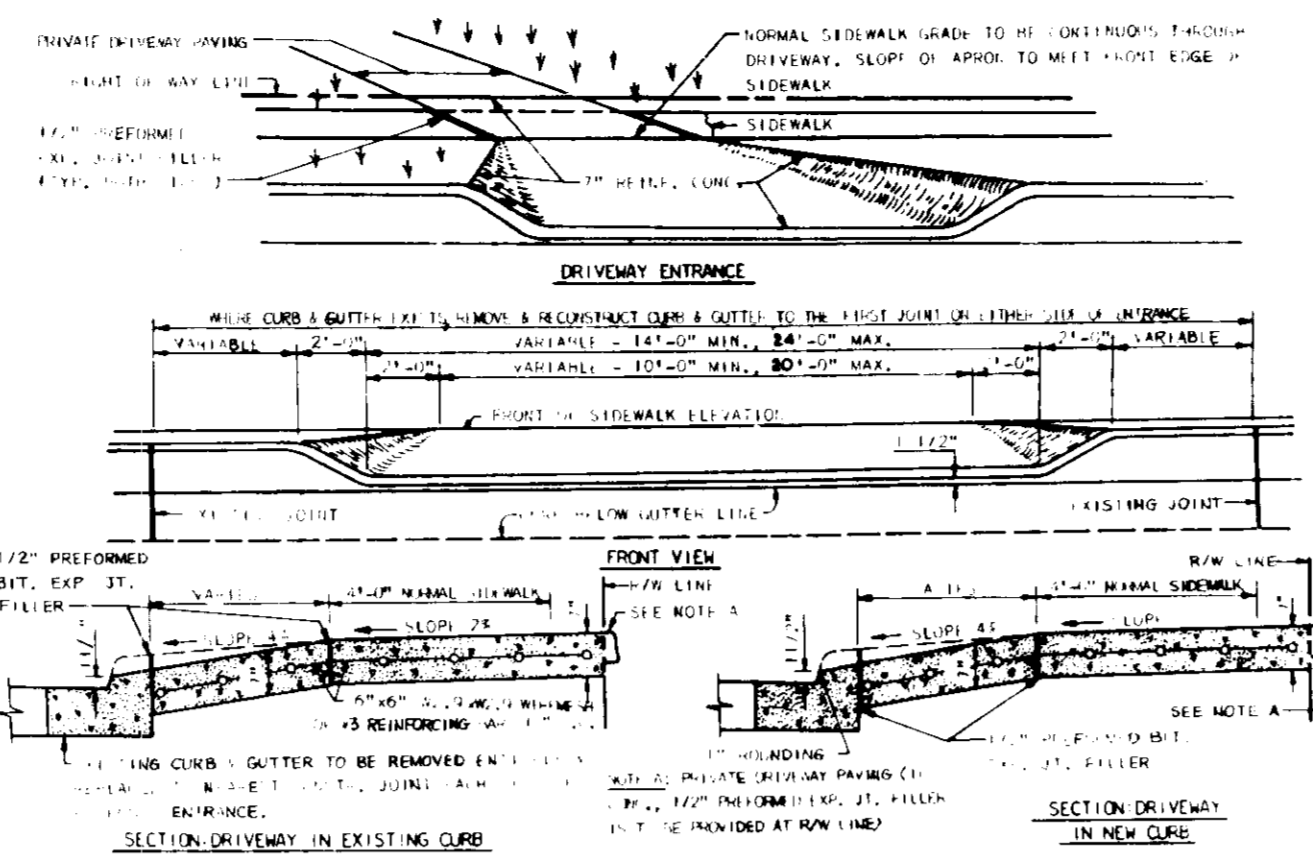
Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushels per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 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 sod.

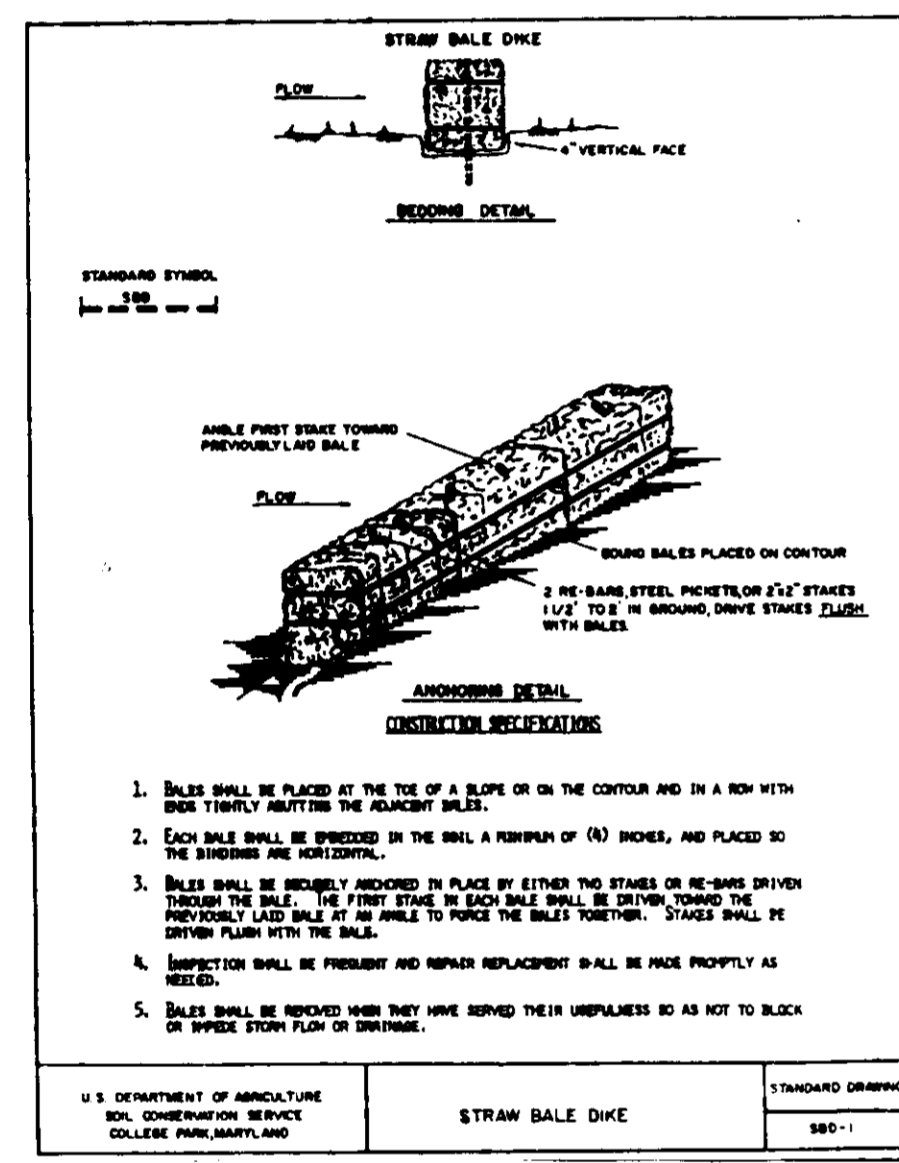
Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 348 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.

- SEDIMENT CONTROL NOTES**
- 1) A minimum of 14 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (892-2437)
 - 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 redisturbance, 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 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. 31) and (Sec. 34), temporary seeding (Sec. 30) and mulching (Sec. 32). Temporary stabilization with mulch alone can only be done when recommended seeding dates 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: 0.425 Acres
 - Area Disturbed: 0.17 Acres
 - Area to be roofed or paved: 0.05 Acres
 - Area to be vegetatively stabilized: 0.20 Acres
 - Total Cut: 226 Cu. Yds
 - Total Fill: 122 Cu. Yds
 - Off-site waste/hollow 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 DPW sediment control inspector.



DRIVEWAY DETAIL

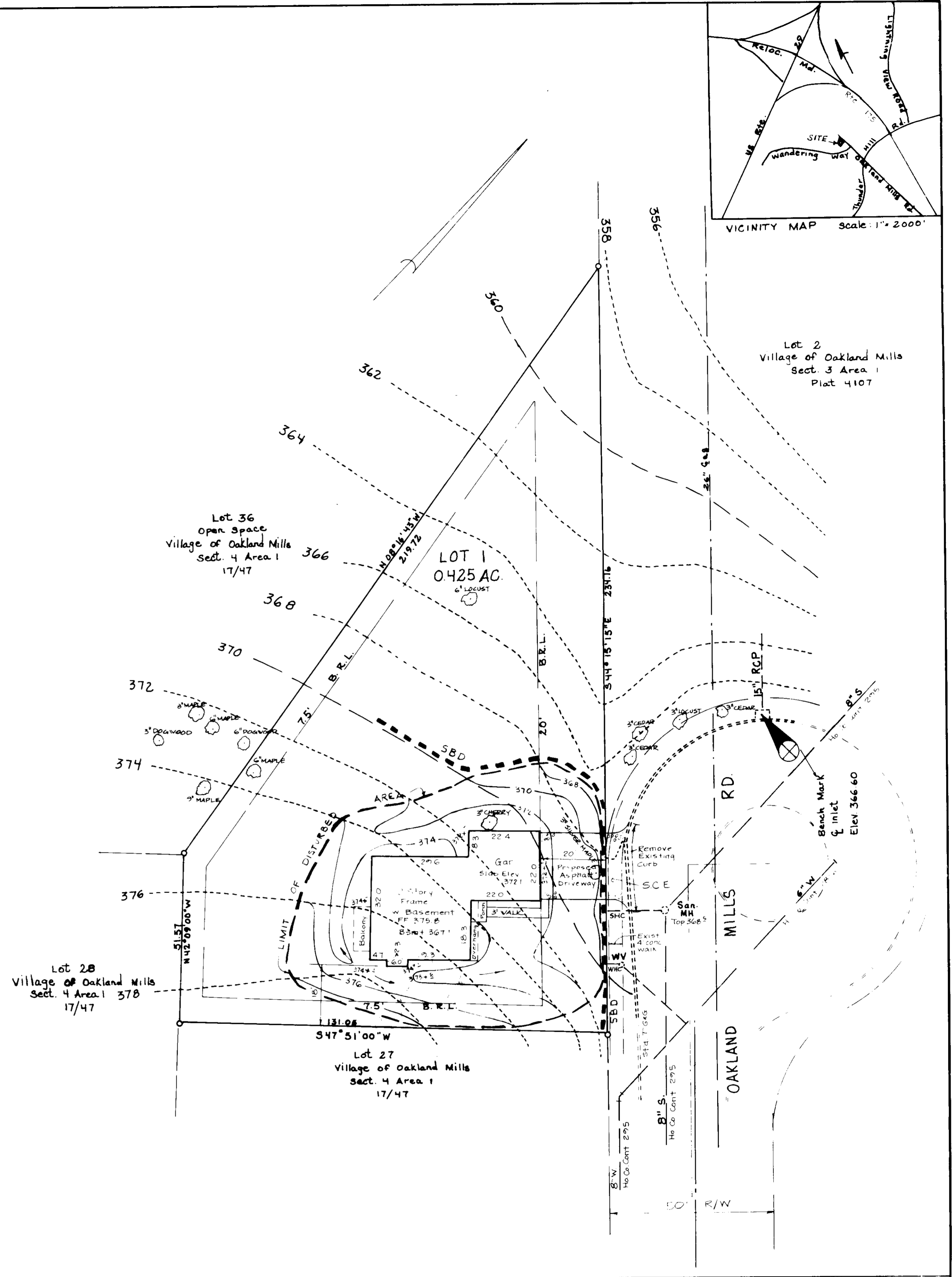
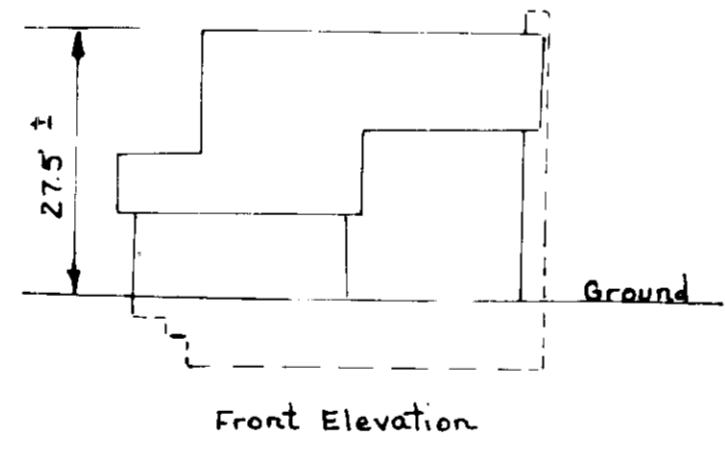


- SEQUENCE OF CONSTRUCTION**
1. Obtain Grading Permit. The Contractor or Developer shall contact the Construction Inspection/Survey Division of the Howard County Department of Public Works 24 hours in advance of commencement of work at 792-7272.
 2. Sediment control devices shall be installed and maintained. (Installation 3-7 days - projected start date 11-1-85)
 3. Proceed with site grading + building construction. (100-120 days - Nov. thru Feb.)
 4. Stabilize disturbed areas as soon as possible after final grade has been achieved. (within 14 days - mid March)
 5. Upon completion of construction, sediment control devices shall be removed and all disturbed areas shall be stabilized. (10-14 days - end of March)

SITE ANALYSIS

Disturbed Area	- 0.17 Ac.
Impervious Area	- 0.05 Ac.
Total Area	- 0.425 Ac.
FDP#	- 3054Q, FDP 43-A-11
Plat#	- 4107
Prop. Bldg. Use	- Single Family Residence
Zoning	- NT Single Family Medium Density
Building Coverage	- 1492 Sq. Ft. = 12.4%

Difference between predevelopment and post development runoff is insignificant, therefore no SWM practices are necessary.



NOTE: Any damage to county right-of-way or paving of the existing road shall be corrected at the developer's expense.

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 9-24-85

Reviewed for HOWARD S.C.D. and meets Technical Requirements.
U.S. Soil Conservation Service Date 10/1/85

This development plan is approved for Soil Erosion and sediment control by the Howard Soil Conservation District.
Stephen L. Brewer 10/1/85
Howard S.C.D. Date

BY THE DEVELOPER: I certify that all development and construction will be done according to this plan, and that any 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 this project.
Klaus P. Bopp 10/2/85
Signature Date

BY THE ENGINEER: I 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.
Klaus P. Bopp 10/2/85
Signature Date

APPROVED: Howard County Office of Planning and Zoning
Director: [Signature] Date 10-21-85
Chief, Div. of Land Development and Zoning Administration: [Signature] Date 10-19-85

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
Director: [Signature] Date 10-16-85

APPROVED: For Public Water and Public Sewerage, Storm Drainage Systems, and Public Roads, Howard County Department of Public Works
Director: [Signature] Date 10-19-85
Chief, Bureau of Engineering: [Signature] Date 10-21-85

ADDRESS CHART

Subdivision Name	Village of Oakland Mills	Sect./Area	3/1	Lot #	1	Owner/Developer	Signature Homes P.O. Box 2804 Columbia, Md 21045
Lot No.	Street Address	Plat#	Block#	Zone	Tax/Zone Map	Elect. Dist.	Census Tr.
1	5560 Oakland Mills Road	4107	21	NT, SFMD	30	6	6061.01
		Water Code	E03		Sewer Code	5611400	

SITE DEVELOPMENT PLAN

no.	description	date	prepared by	SCALE	1"=20'
1	initial site plan & prep. 3/85	3-11-85	RBA 5485 HARPER'S FARM ROAD COLUMBIA, MARYLAND 21044 301/730-7950 621/6050	DRAWN	J.M.
2	additions/corrections as per H.C. comments (revised 9-25-85)	10-1-85		CHECKED	J.M.
				PROJ. NO.	4752
				DATE	8-21-85
				SHEET	1 OF 1