

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 (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 (10 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 (25 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 (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 unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 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 restituted 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, if not previously loosened.

Soil Amendments: Apply 60 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 20 lbs per acre of annual ryegrass (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 unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 210 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 rates and methods not covered.

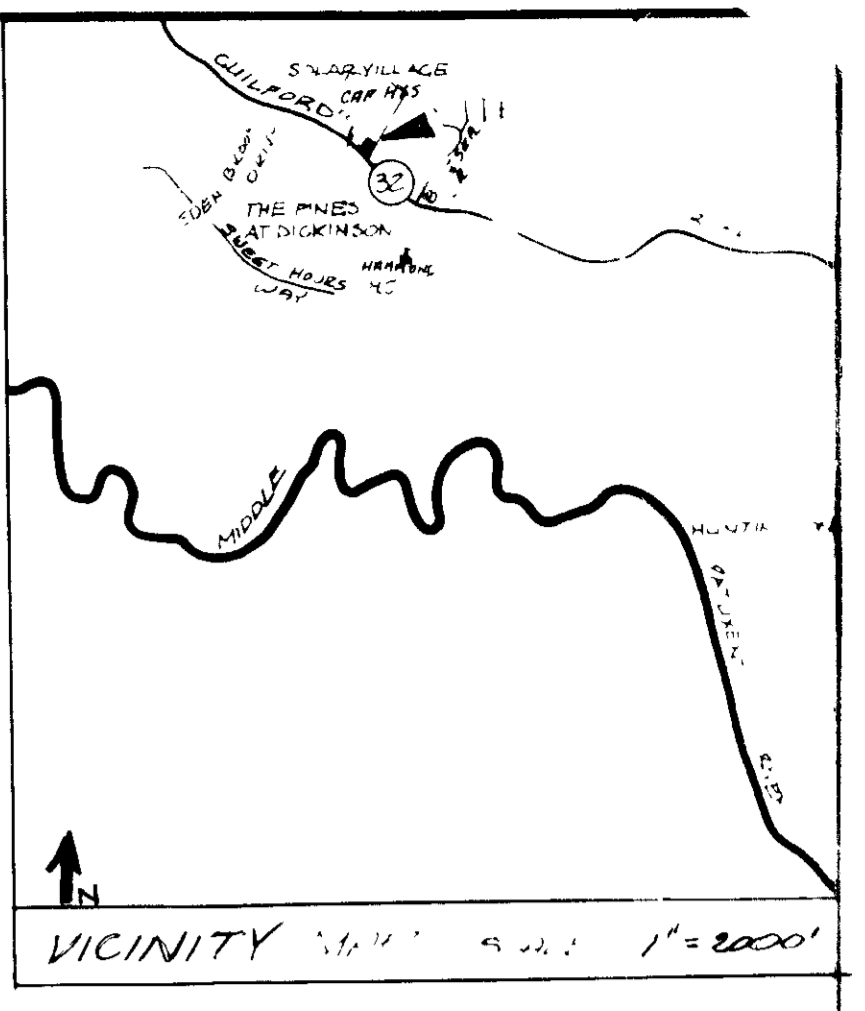
SEDIMENT CONTROL

- 1) A minimum of 24 hours before construction begins, the Howard County Office of Inspection shall be notified prior to the start of any construction (442-24-57).
- 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 shown must be fenced and 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) 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.

- 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	0.47 Acres
Area Disturbed	0.47 Acres
Area to be vegetatively stabilized	0.47 Acres
Total Cut	N/A Cu Yds
Total Fill	N/A Cu Yds
Offsite waste/borrow area	N/A
- 8) An sediment control practice which is not listed in the Howard County Sediment Control Manual shall be approved on the day of disturbance. Additional sediment controls must be provided, if deemed necessary, by the Howard County Sediment Control Inspector.

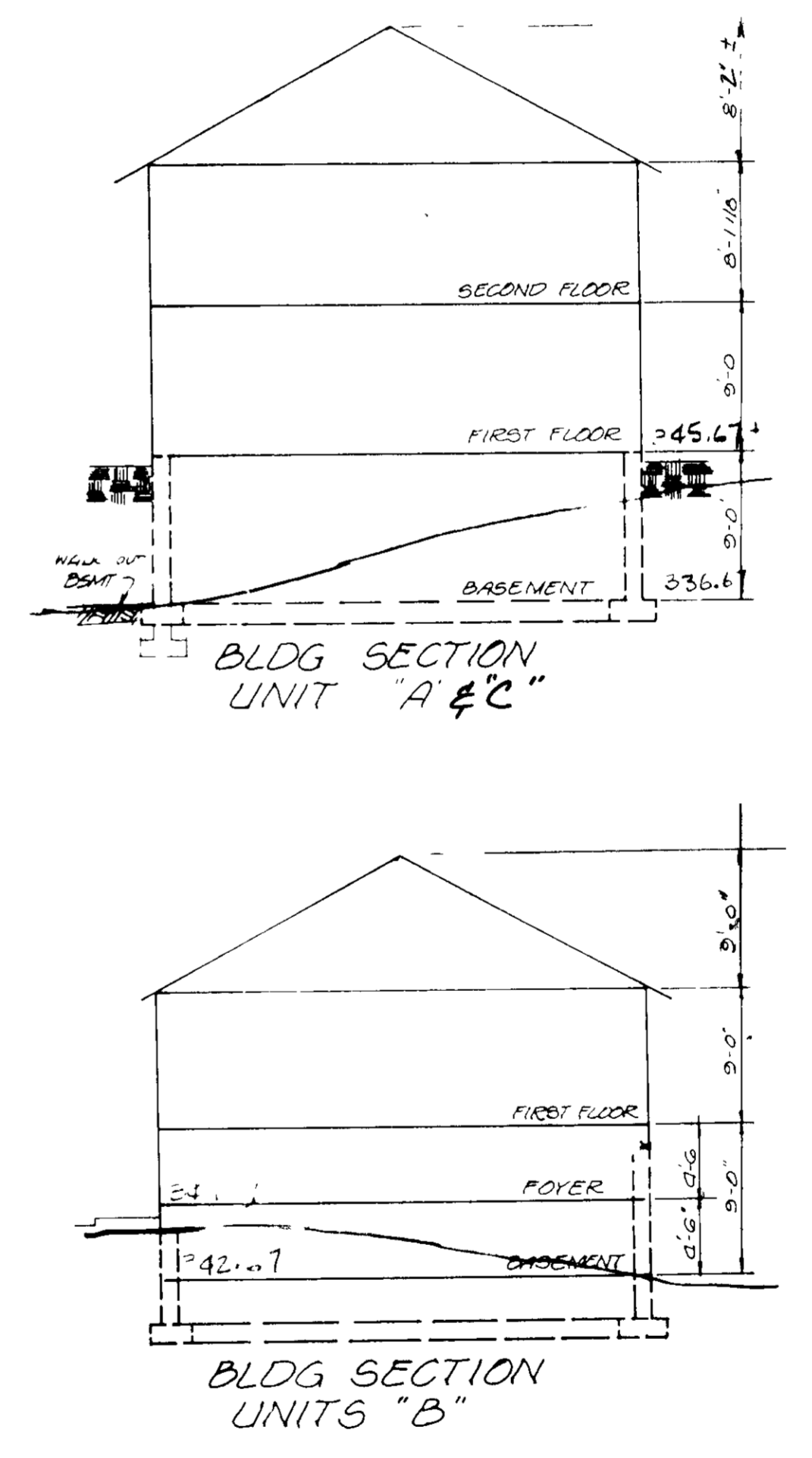
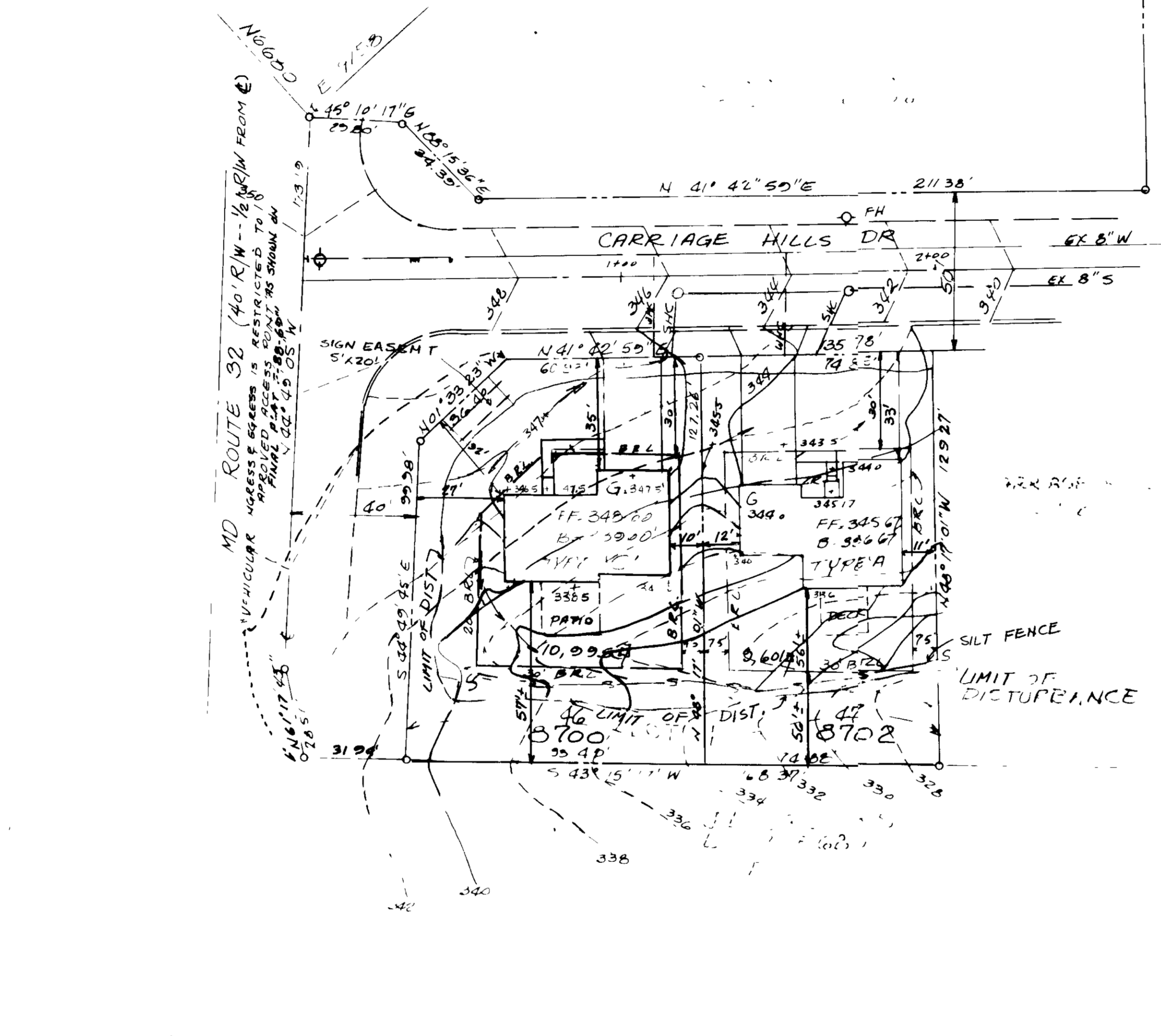
On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter sediment control, but before proceeding with any other site stabilization work. The Howard County Sediment Control Inspector shall be notified in writing of the date of installation of perimeter sediment control. Initial approval of the inspection agency is made.



SITE ANALYSIS

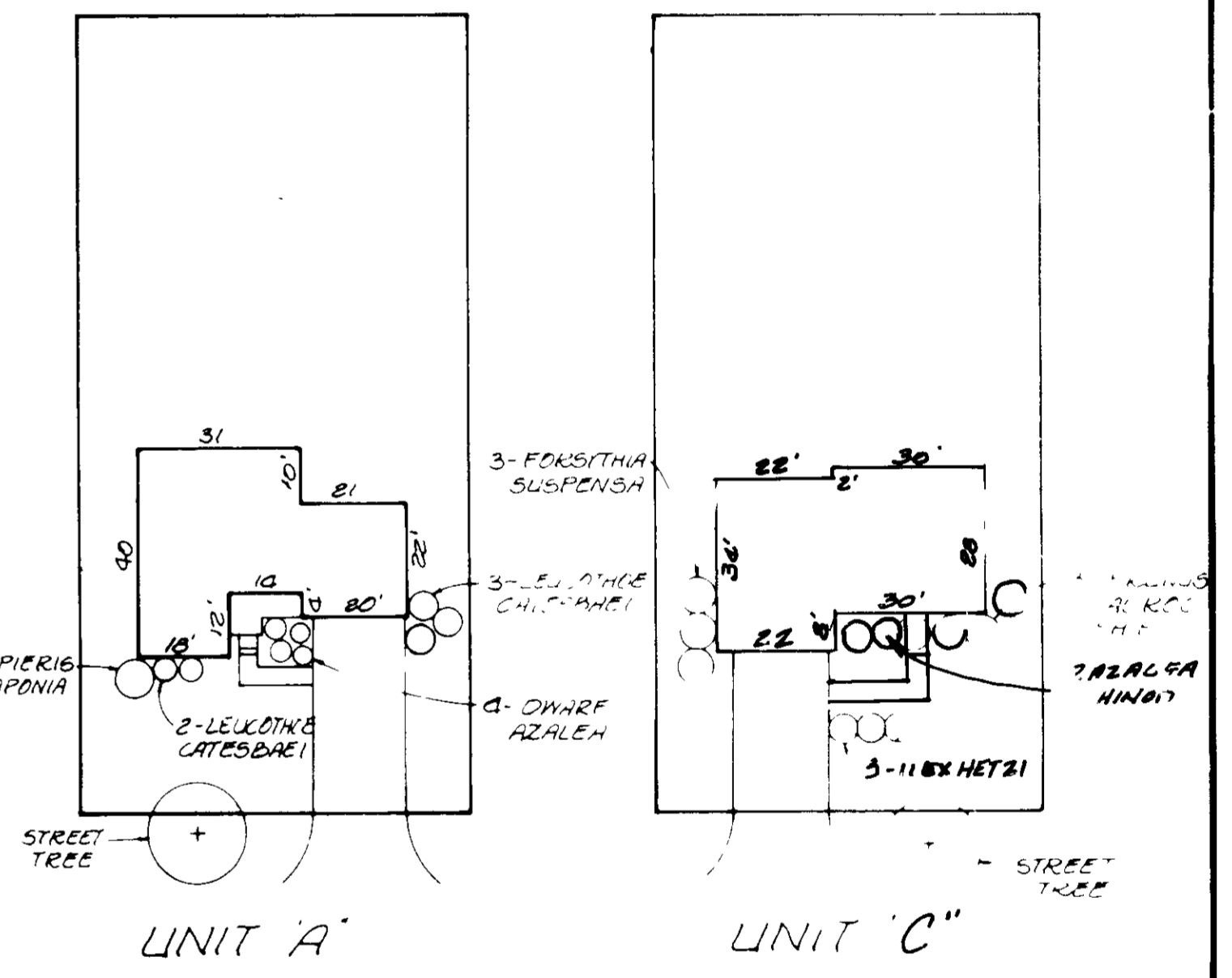
DEED REFERENCE	L1615, F 677
EX ST ZONING	R-12
TOTAL AREA OF TRACT TO BE SUBDIVIDED	20,596 SQ FT OR 0.4728 AC
TOTAL AREA IN STREET R/W	N/A
TOTAL AREA IN LOTS	20,596 SQ FT OR 0.4728 AC
TOTAL AREA IN OPEN SPACE	PREVIOUSLY APPROVED (DEVELOPER'S CHART ON FINAL SET)
PROPOSED DEVELOPMENT	
PROPOSED NO. OF DWELLING UNITS	2
PROPOSED NO. OF PARKING SPACES	N/A
ROAD SYSTEM (ST. R/W)	
WATER AND SEWER SYSTEM	
STORM DRAINAGE (BY THE LATER MAINTENANCE)	
COLOR AREA TO BE MAINTAINED BY HOMEOWNER	
PRELIMINARY NOTES	
50' ACCESS PERMIT (BY THE LATER)	
PERCENTAGE OF OPEN SPACE (GREEN AREA) TO REMAIN	N/A
MAXIMUM NUMBER OF DWELLING UNITS ALLOWED BY ZONING	N/A PER AC
REQUIRED NUMBER OF PARKING SPACES	N/A

NOTE: SEDIMENT CONTROL FOR THIS DEVELOPMENT SHALL BE APPLIED OUT ACCORDING TO PLANS APPROVED BY HOWARD COUNTY AND LABELLED 6-14-88



NOTES

1. For Sediment and Erosion Control Plans, Notes and other Construction Drawings see F 45 86 Plans.
2. The Contractor or Developer shall conduct the construction inspection Survey Division, 24 hours in advance of commencement of work at 952-7212.



APPROVED: *[Signature]* 7-13-88
DATE

APPROVED: *[Signature]* 8-2-88
DATE
PLANNING DIRECTOR

[Signature] 7-29-88
DATE
CHIEF, DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

[Signature] 7-19-88
DATE
COUNTY HEALTH OFFICER

() Reviewed for Howard S.C.D. and meets technical Requirements

[Signature] *[Signature]*
US Soil Conservation Service Date

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

[Signature] 7/10/88
Date
Howard S.C.D.

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

[Signature] 2 May '88
Date
Signature of Engineer

I also certify that all development and construction will be done in accordance with 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 the project

I also authorize periodic on-site inspections by the Howard Soil Conservation District

[Signature] May 3, 1988
Date
Signature of Developer

ADDRESS CHART

LOT NO	STREET ADDRESS
46	8700 CARRIAGE HILLS
47	8702 CARRIAGE HILLS

WATER & SEWER CONTRACT # 24-1298 D

IPDS
The Interprofessional PLANNING & DESIGN STUDIO, LTD
Engineers • Architects • Surveyors
Planners & Landscape Architects

802 Sligo Avenue
Silver Spring Md 20910
(301) 585 5676

JCS
JAN 25
CHK
DATE 10/88

SITE & GRADING PLAN

N	DATE
1	6/23/88

Carriage Hills, Inc
6110 Executive Blvd
Rockville, Maryland
20852

6TH ELECTION DISTRICT
CARRIAGE HILLS
HOWARD COUNTY, MARYLAND

SUBDIVISION NAME: CARRIAGE HILLS
PLAN # OR LOT BLOCK: P7861
ZONE: R3C
TAXING MAP: 42
ELEC DIST: 6th
SEWER CODE: E-16
SCALE: AS SHOWN
DATE: 10-9-87

LOT AREA: 46837
SHEET 1 OF 1
SDP NO 88-81

SDP-88-81