

PERMANENT SEEDING NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permit 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 conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 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 1:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 15 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 seeding (Sec. 51) and (Sec. 52), 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.
- 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	0.41 Acres
Area Disturbed	0.24 Acres
Area to be roofed or paved	0.02 Acres
Area to be vegetatively stabilized	0.09 Acres
Total Cut	105 Cu. yds
Total Fill	300 Cu. yds
Offsite waste/borrow area Location	N/A
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County DSW 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 perimeter erosion and sediment control, 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.
- If houses are to be constructed on "fill-and-ditch" basins, at random, Single Lot Sediment Control as shown below shall be implemented.
- All pipes to be blocked at the end of each day (see detail below). N/A
- The total amount of straw bale dikes/silt fence equals 165 L.F.

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

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

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- 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 sq ft) before seeding; apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 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 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 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 (30 to 90 lbs/1000 sq ft) of untreated 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.

Seeded Preparation: Loosen upper three 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 thru April 30 and from August 15 thru November 15, seed with 26 bushel 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 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 seed.

Mulching: Apply 1 1/2 to 2 tons per acre (30 to 90 lbs/1000 sq ft) of untreated 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.

CONSTRUCTION SEQUENCE:

Activity	No. of Days
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	5
B. Excavate for Foundations and Rough Grade & Temporarily Stabilize.	30
C. Construct Structures, Sidewalks and Driveways.	20
D. Final Grade and stabilize in accordance with Stds. 6 Specs.	7
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	2

Reviewed for HOWARD COUNTY, E.C.D. Name and meets Technical Requirements. Signature: [Signature] Date: 10/21/87 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT. Approved: [Signature] Date: 10/21/87

APPROVED: DIVISION OF LAND DEVELOPMENT AND ADMINISTRATION HOWARD COUNTY MARYLAND 10-6-87 [Signature]

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING. APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. DIRECTOR: [Signature] DATE: 10-24-87

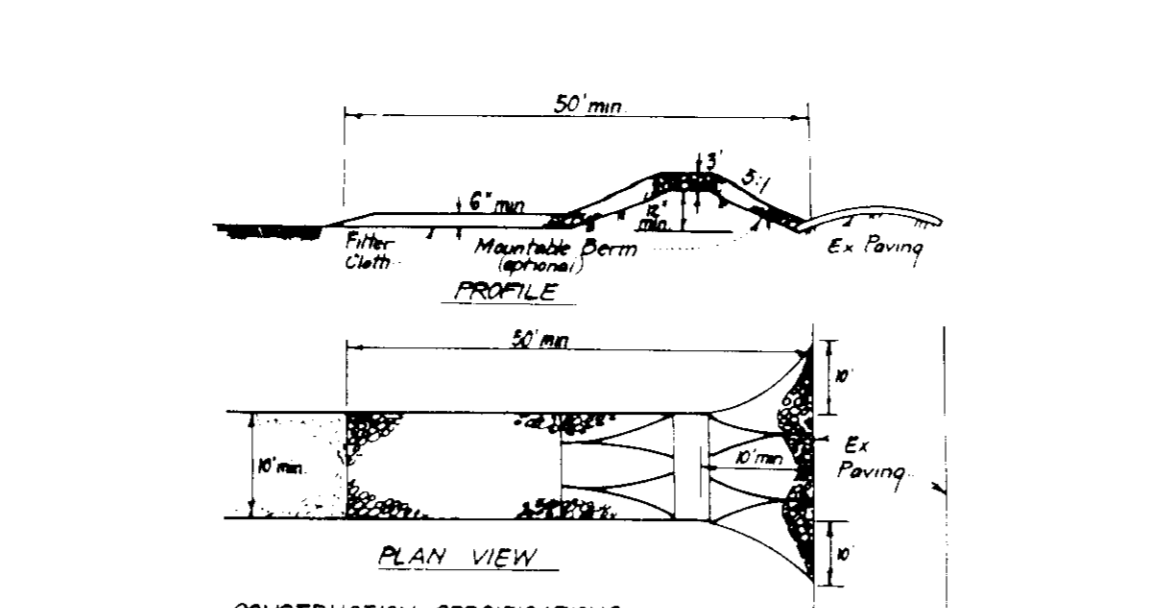
CONSTRUCTION SPECIFICATIONS:

- When wire fence is to be fastened securely to fence posts with wire ties of staples.
- Wire ties to be fastened securely to wooden fence posts with wire ties of staples.
- When 2 sections of filter cloth adjoin each other, they shall be overlapped by 4" and stapled.
- Maintenance shall be performed as needed and material removed when "blow" develop in silt fence.



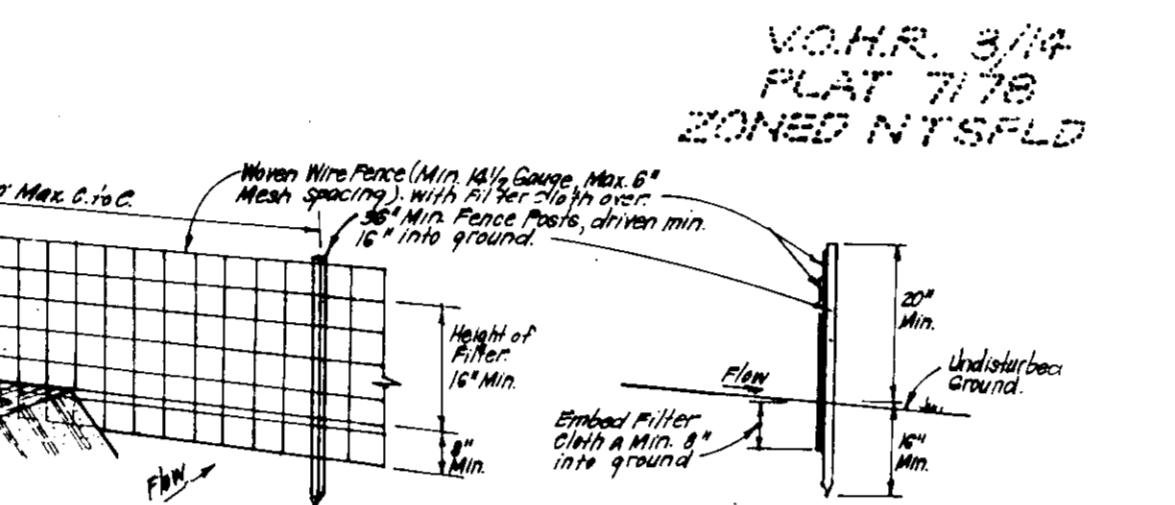
GENERAL NOTES

- The land included is zoned: New Town S.F.L.D.
- Coordinates established by Maps Inc in 1965 and Rindum & Jeschke in 1968, which were tied to the Maryland Bureau of Control Surveys monuments and to U.S. Coast and Geodetic Survey monuments in the Columbia Area.
- All roads are public and existing.
- Any damage to county owned right-of-ways to be corrected at the Developer's expense.
- Total area included: 0.922 Acres
- Total number of lots: 1
- Reference Final Development Plan: Phase 101 Part III
- Maximum lot coverage is 30%.
- The Contractor or Developer shall contact the Construction Inspection/Survey Division, 24 hours in advance of commencement of work at 782-2630.



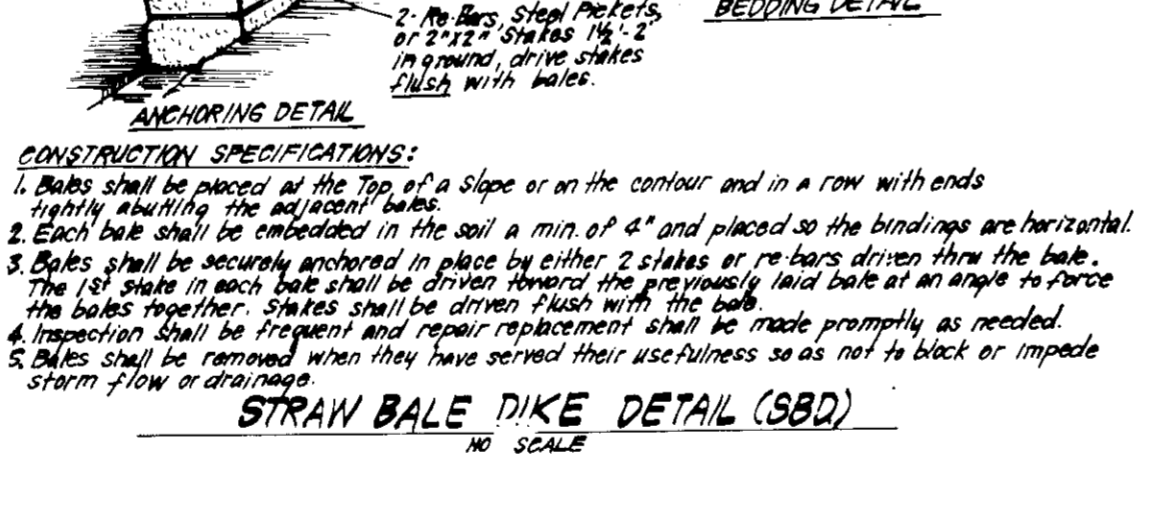
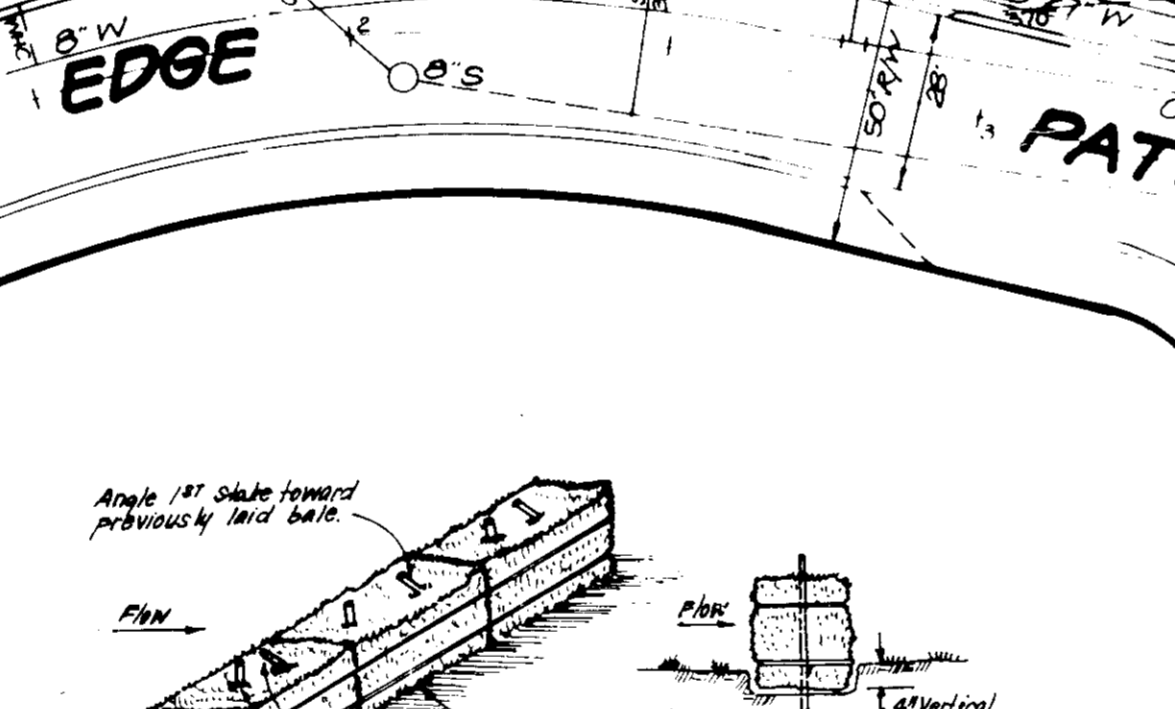
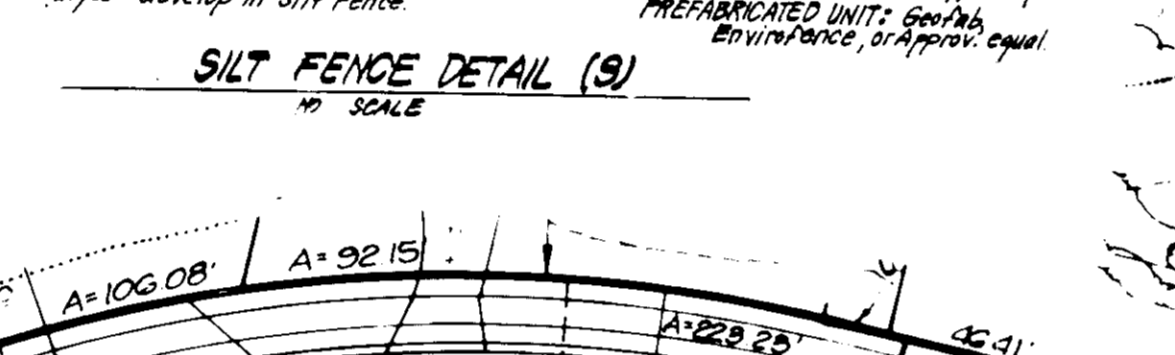
CONSTRUCTION SPECIFICATIONS:

- Stone Size: Use 2" stone or crushed concrete equivalent.
- Length: As required to meet 10' minimum retention on a single residence lot where a 30' minimum length is required.
- Thickness: Not less than 6" unless otherwise specified.
- Water: Ten (10) feet minimum, but not less than the full width of points where ingress or egress occurs.
- Filter Cloth: Will be placed over the entire area prior to placing of stone. Filter will not be required on stone (unless recommended).
- Surface Water: All surface water flowing or diverted toward construction entrances shall be passed across the entrance. If dipping is impractical, a mounded berm with 5' slopes will be permitted.
- Maintenance: The entrance shall be maintained in a condition which will prevent tracking or blowing of sediment into public rights of way. This may require periodic top dressing, in addition to other conditions deemed and repair and/or cleanup of any impurities used to trap sediment. All sediment applied, dragged, washed or tracked onto public rights of way must be removed immediately.
- Warning: Wheels shall be cleaned to remove sediment prior to entrance onto public rights of way. When warning is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.



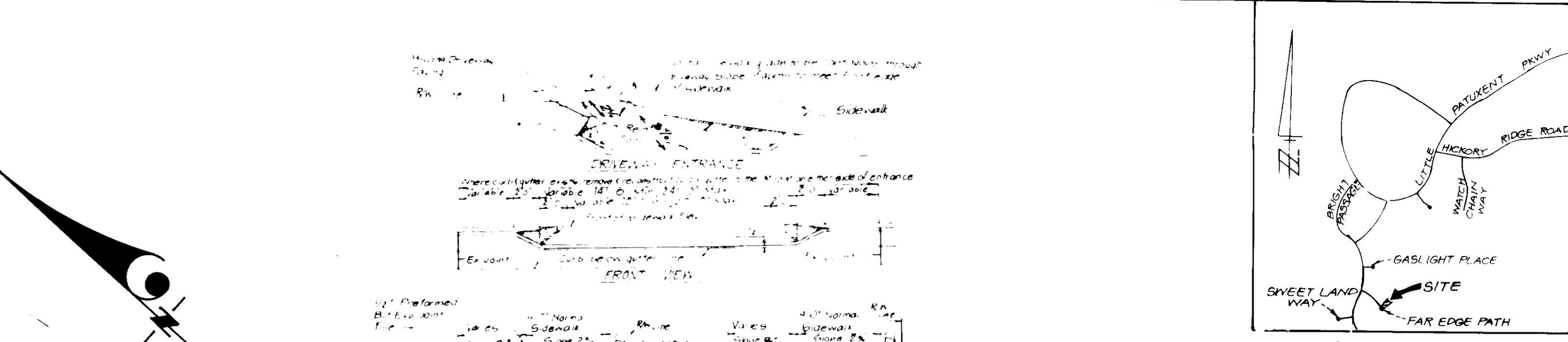
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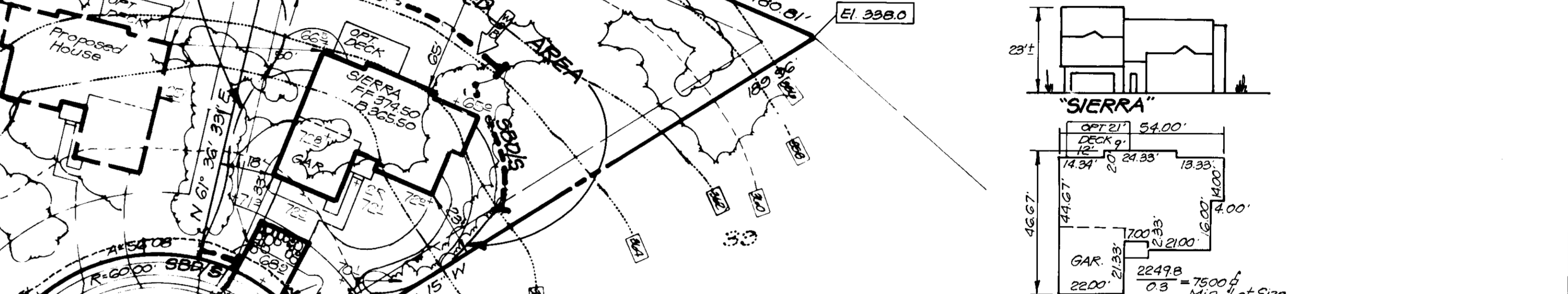
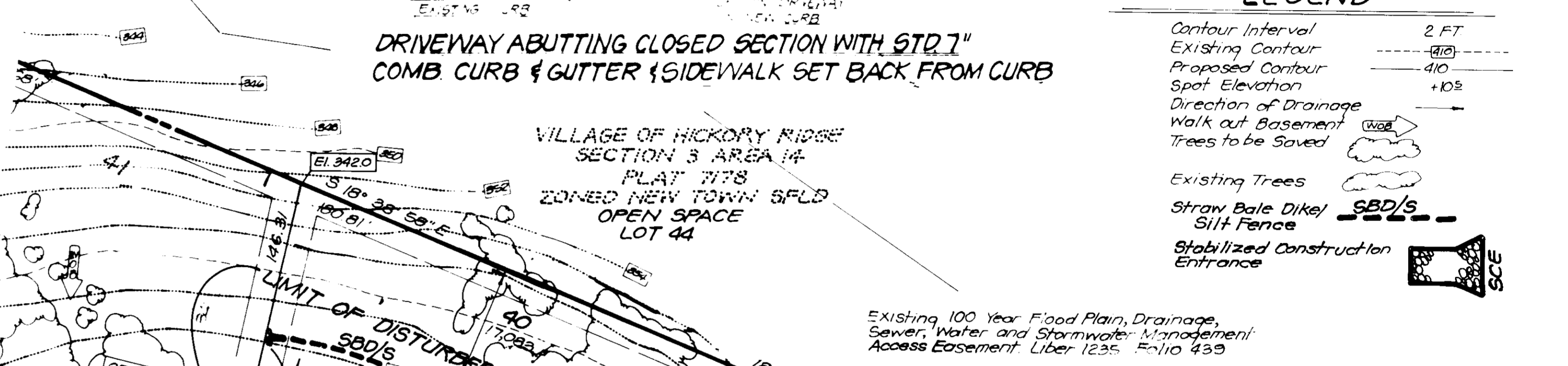
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- All roads are public and existing.
- Any damage to county owned right-of-ways to be corrected at the Developer's expense.
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LEGEND

- Contour Interval: 2 FT
- Existing Contour: ---
- Proposed Contour: - - -
- Spot Elevation: +10'
- Direction of Drainage: --->
- Walk out Basement: ---
- Trees to be Saved: [Tree Symbol]
- Existing Trees: [Tree Symbol]
- Straw Bale Dike: SBD/s
- Silt Fence: [Fence Symbol]
- Stabilized Construction Entrance: SCE



Building Restriction Lines

Front - 20' Min.
Side & Rear - 7.5' Min.

NOTE: Existing contours taken from plans prepared by Whitman, Requardt and Associates.

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 erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. 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 Soil Conservation District or their authorized agents, as are deemed necessary."

Signature of Developer/Builder: [Signature] Date: 9-2-87

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 Soil Conservation District."

Signature: [Signature] Date: 9/3/87

ADDRESS CHART

LOT	STREET ADDRESS
40	11015 Far Edge Path

SPECIAL NOTES

- Approved Road Construction Plans shall be used for all public utilities.
- The water & sewer house connections not included in the Developer's Agreement shall conform to Howard County Plumbing Code the on-site who shall be a copper and the SHC shall be 4" iron.
- Stormwater management provided for in the Village of Hickory Ridge, Section 3 Area 14, F-83-120.
- Public water and sewer shown for reference only. For more detailed information see water and sewer plans Contract No 34-1591-D.

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS

DESIGNED: CMS MLB
DRAWN: BAL
CHECKED: CMS MLB

COLUMBIA
VILLAGE OF HICKORY RIDGE
SECTION 3 AREA 14
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 30'
DRAWING NO: 1 of 1
JOB NO: 87-08G
FILE NO: 87-08G-X

DATE: Sept 1987 FOR: ALLAN HOMES, P.O. BOX 1058, COLUMBIA, MARYLAND 21044

Subdivision Name: COLUMBIA Village of Hickory Ridge
Block No: 16
Zone: NTSRLD
Tax/Zoning Map: 35
Elec. Dist: 5TH
Census Tr: 605301
Water Code: E-27
Sewer Code: 6801000

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SDP 88-45c