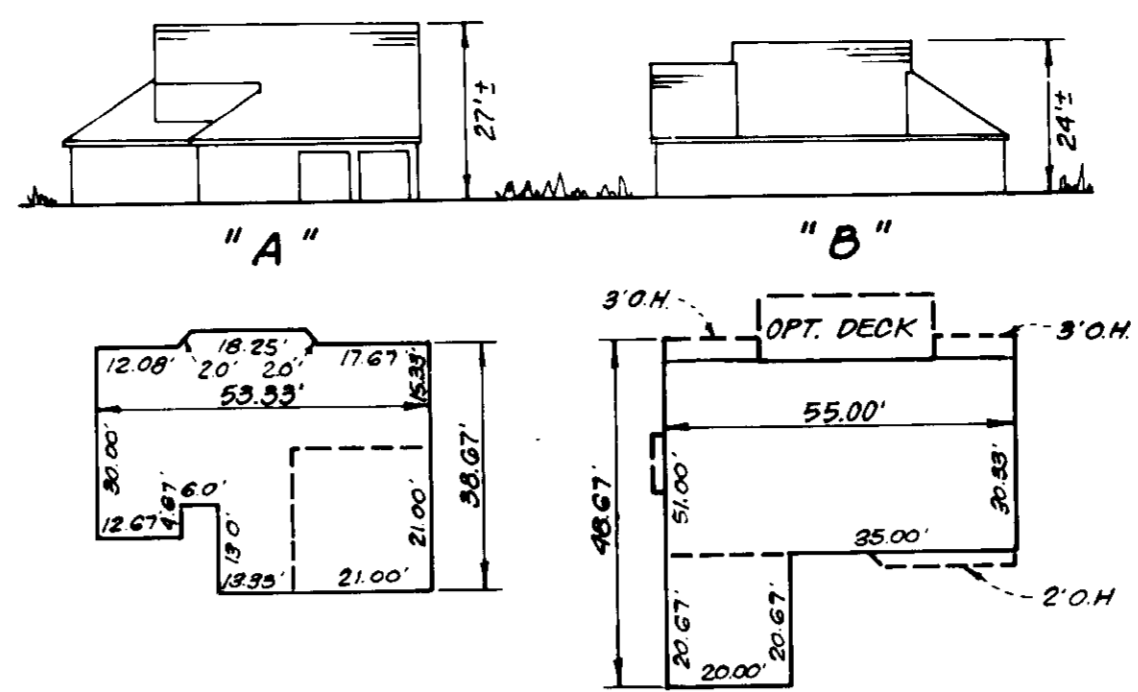


DRIVEWAY ABUTTING CLOSED SECTION WITH MODIFIED COMB CURB, GUTTER & SIDEWALK

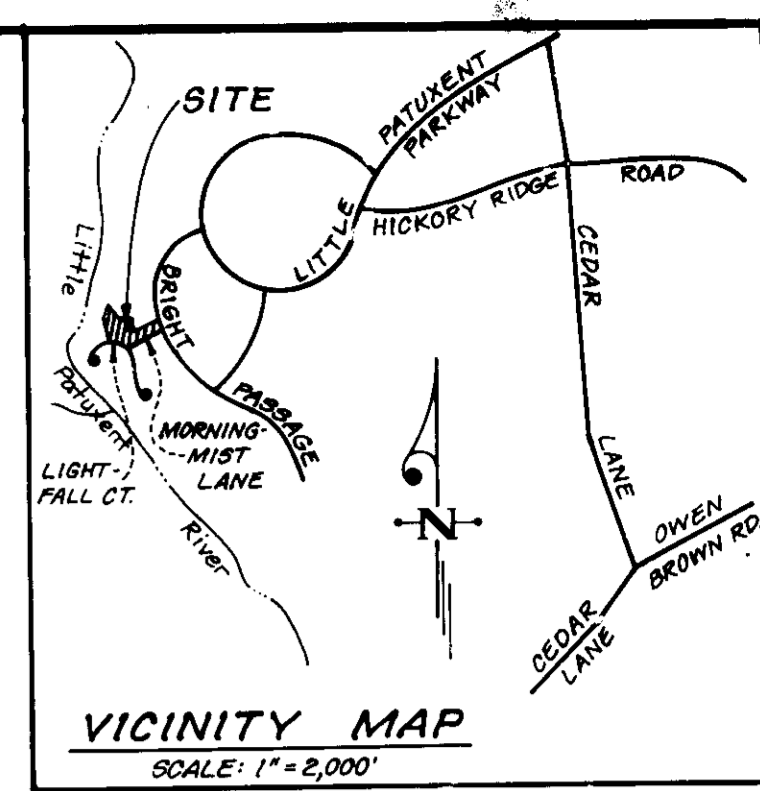
NOTE: Existing contours are taken from Proposed Grading Plan prepared by Whitman Regardt and Associates, Sheet 14 of 18.



TYPICAL HOUSES
SCALE: 1" = 30'

LEGEND

- Contour Interval 2 Ft.
- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Drainage
- Ex. Trees to be Saved

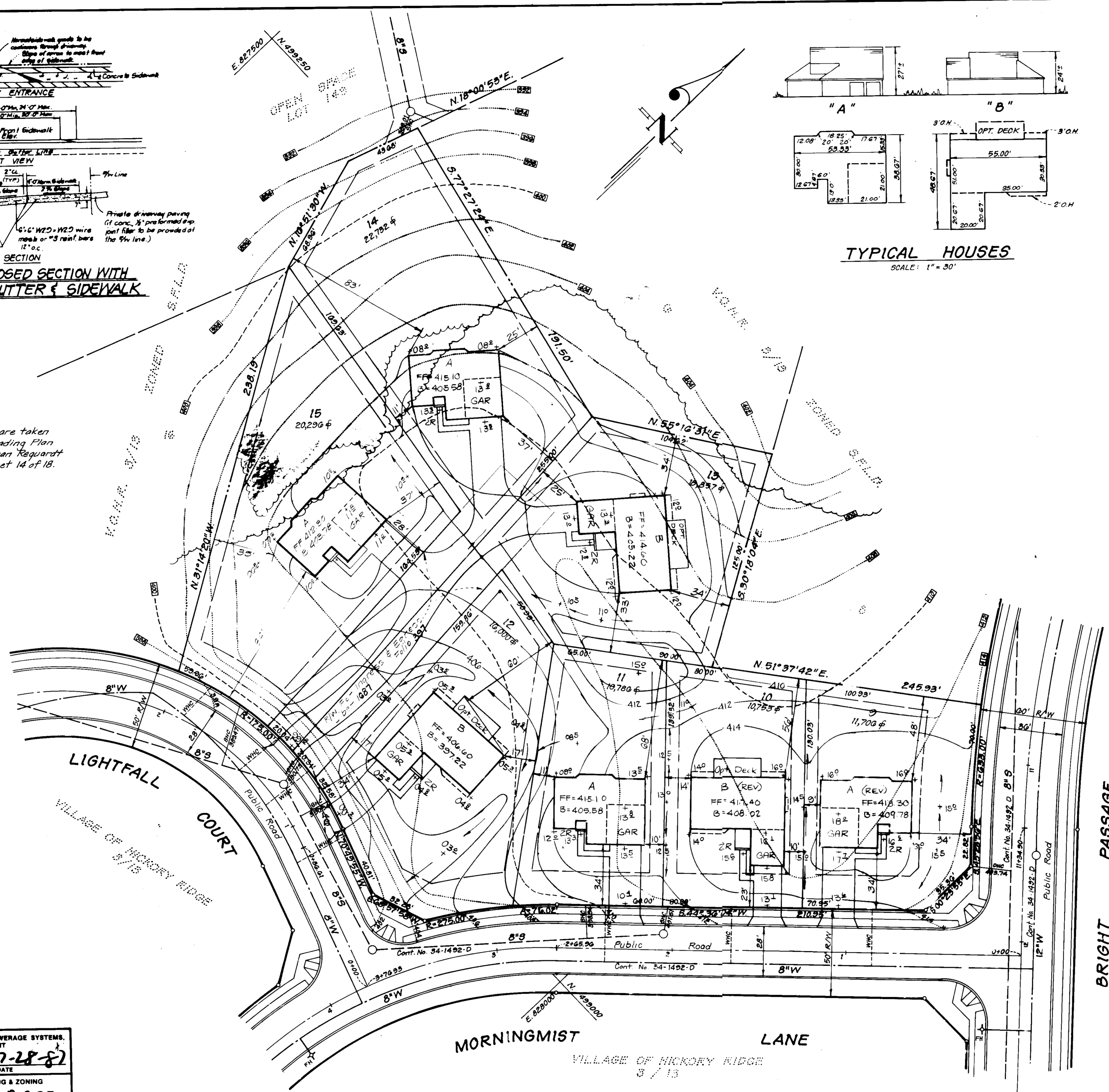


Building Restriction Lines

- Front - 50' R/W : 20' Min.
- 60' R/W : 30' Min.
- Side : 7.5' Min.
- Rear : 7.5' Min.

GENERAL NOTES

- The Land included is zoned: New Town S.F.L.D., FDP, 181 PART V
- Coordinates are based upon traverse controls for Columbia established by Maps, Inc. in 1965 and Furdum and Jeschke in 1968 which controls were tied to the Maryland Bureau of Central Survey Monuments and to U.S. Coast and Geodetic Survey Monuments, Howard County Control Points 2039002 and 2039003.
- All roads are public and existing.
- Any damage to county owned rights-of-way to be corrected at the developer's expense.
- Total area included: 2.55 Acres
- Total number of lots: 7
- The Contractor or Developer shall contact the construction Inspection/Survey Division, 24 hours in advance of commencement of work at 792-2630



ARTICLE 10
DIVISION OF LAND DEVELOPMENT
ZONING ADMINISTRATION
HOWARD COUNTY MARYLAND
DATE 5-14-87

LOT No.	STREET ADDRESS
9	11,700 Morningmist Lane
10	11,702 " "
11	11,708 " "
12	11,702 Lightfall Court
13	11,706 " "
14	11,710 " "
15	11,714 " "

SUBDIVISION NAME	SECT./AREA	LOTS
VILLAGE OF HICKORY RIDGE	3 13	9-15
PLAT #	BLOCK #	TAX. ZONE
7052, 7053	10	35
	MAP	ELEC. DIST
	S.F.L.D.	5th
		CENSUS TR.
		6088.01
WATER CODE	SEWER CODE	
E-27	GG50000	

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE 7-28-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 8-3-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 7-27-87

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY COLUMBIA, MARYLAND 21045 (301) 981-7500

DESIGNED JME	SITE DEVELOPMENT PLAN LOTS 9 THRU 15 COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 3 AREA 13 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN LAI		DRAWING 1 of 2
CHECKED JME		JOB NO. 87-01G
DATE March 1987		FILE NO. 87-01G-X
		For: WOODMAN HOMES Wide Lake Village Green Suite 300 Columbia, Maryland 21044

- 1) 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)
- 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 control structures, dikes, perimeter slopes and all other 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 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) 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	2,551.2 Acres
Area Disturbed	1.78 Acres
Area to be roofed or paved	0.55 Acres
Area to be vegetatively stabilized	1.23 Acres
Total Cut	5165 Cu. yds
Total Fill	1075 Cu. yds
Offsite waste/borrow area location	N/A

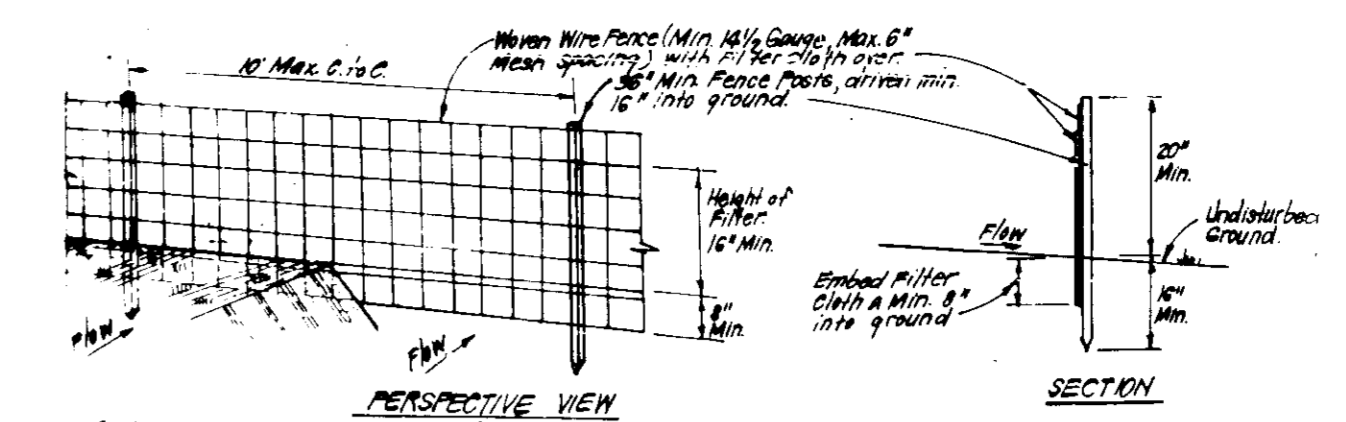
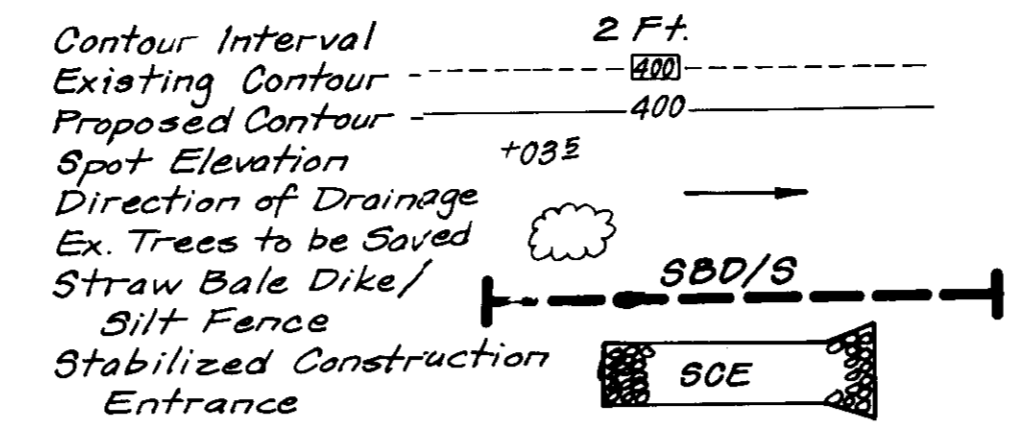
- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 9) Additional sediment control must be provided, if deemed necessary by the Howard County DW sediment control inspector.
- 10) On all sites with disturbed areas in excess of 2 acres, approval of 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 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 "As-Sold" basis, at random, Single Lot Sediment Control as shown below shall be implemented.

12) All pipes to be blocked at the end of each day (see detail below).	
13) The total amount of straw bale dikes/silt fence equals	218 L.F.

Construction Sequence

Construction Sequence	No. of Days
1. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	10
2. Excavate for Foundations and Rough Grade and Temporarily Stabilize.	40
3. Construct Structures, Sidewalks and Driveways.	100
4. Final Grade and Stabilize in accordance with Stds. and Specs.	30
5. Upon approval of the Sediment Control Inspector, remove sediment and erosion controls and stabilize.	10

LEGEND

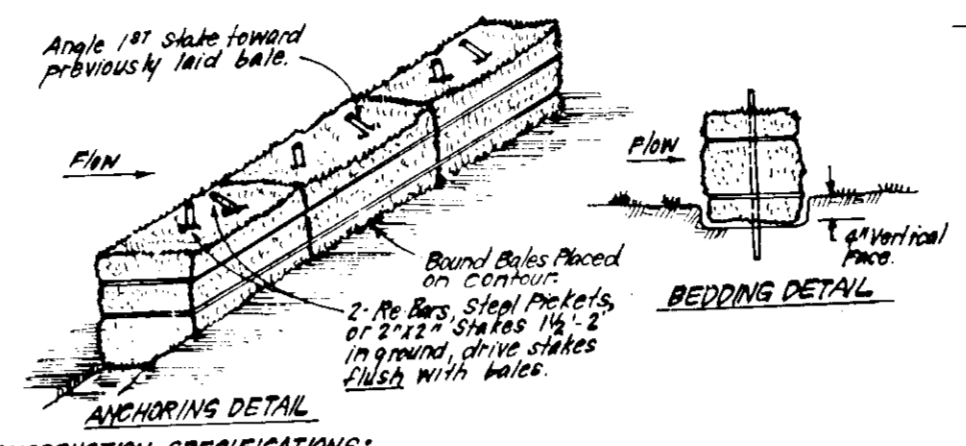
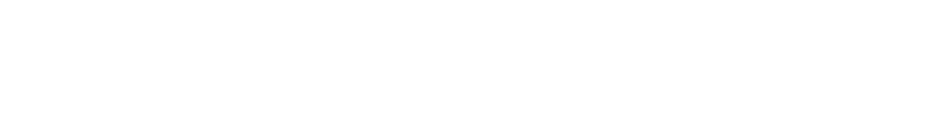


CONSTRUCTION SPECIFICATIONS:

1. When wire fence to be fastened securely to fence posts with wire ties or staples.
2. Filter cloth to be attached securely to silt trap area with ties spaced every 36" at top and mid section.
3. When sections of filter cloth join each other they shall be overlapped by 6" and stapled.
4. Maintenance shall be performed as needed and material removed when "piles" develop in silt fence.

POST-TENSIONING: Filter Cloth Type or FENCE: Heavy Wire, 1/4" Dia. 6" Max. Mesh Opening. FILTER CLOTH: Filter Cloth, 1/4" Dia. 6" Max. Mesh Opening. PREPARED UNIT: Geotextile, Bivariance, or Approx. equal.

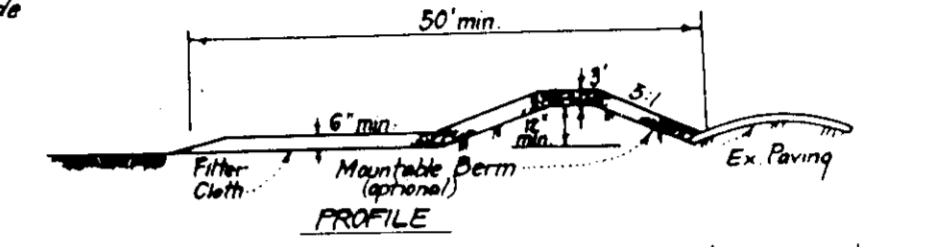
SILT FENCE DETAIL (S)



CONSTRUCTION SPECIFICATIONS:

1. Bales shall be placed at the top of a slope or on the contour and in a row with ends righty, allowing the adjustment of bales.
2. Each bale shall be embedded in the soil a min. of 4" and placed so the bindings are horizontal.
3. Bales shall be secured in place by either 2 stakes or rebar driven thru the bale. The 1st stake in each bale shall be driven toward the property line and the 2nd stake to force the bales together. Stakes shall be driven flush with the bale.
4. Inspection shall be frequent and repair replacement shall be made promptly as needed.
5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

STRAW BALE DIKE DETAIL (SBD)



CONSTRUCTION SPECIFICATIONS:

1. Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot 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 single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mounted silt basin with 5:1 slopes will be constructed.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic cleaning with additional stone be considered. All sediment applied, trapped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE (SCE)

Howard
James M. Kohn 7-22-87
Approved
Stephen L. Kohn 7/23/87
Date

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 600 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 (9 lbs/1000 sq ft).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 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 50 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 (0.05 lbs/1000 sq ft) of seeding lovegrass. During the period of October 15 thru February 15, 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.

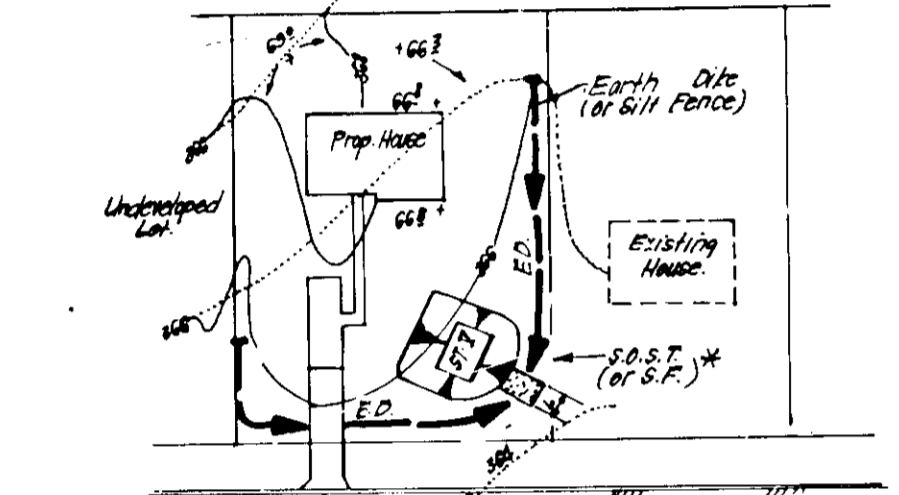
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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 bushel 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 (0.07 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.



* NOTE: Single lot Silt Fence can be utilized if only two lots sharing common property lines are to be disturbed at the same time or on any lots showing a sediment trap.

NO.	DATE	BY	REVISION
1	7-22-87	JMK	ISSUED FOR PERMITS
2	7-23-87	SK	REVISED TO SHOW SBD/S
3	7-23-87	SK	REVISED TO SHOW SBD/S
4	7-23-87	SK	REVISED TO SHOW SBD/S

SINGLE LOT SEDIMENT CONTROL PLAN

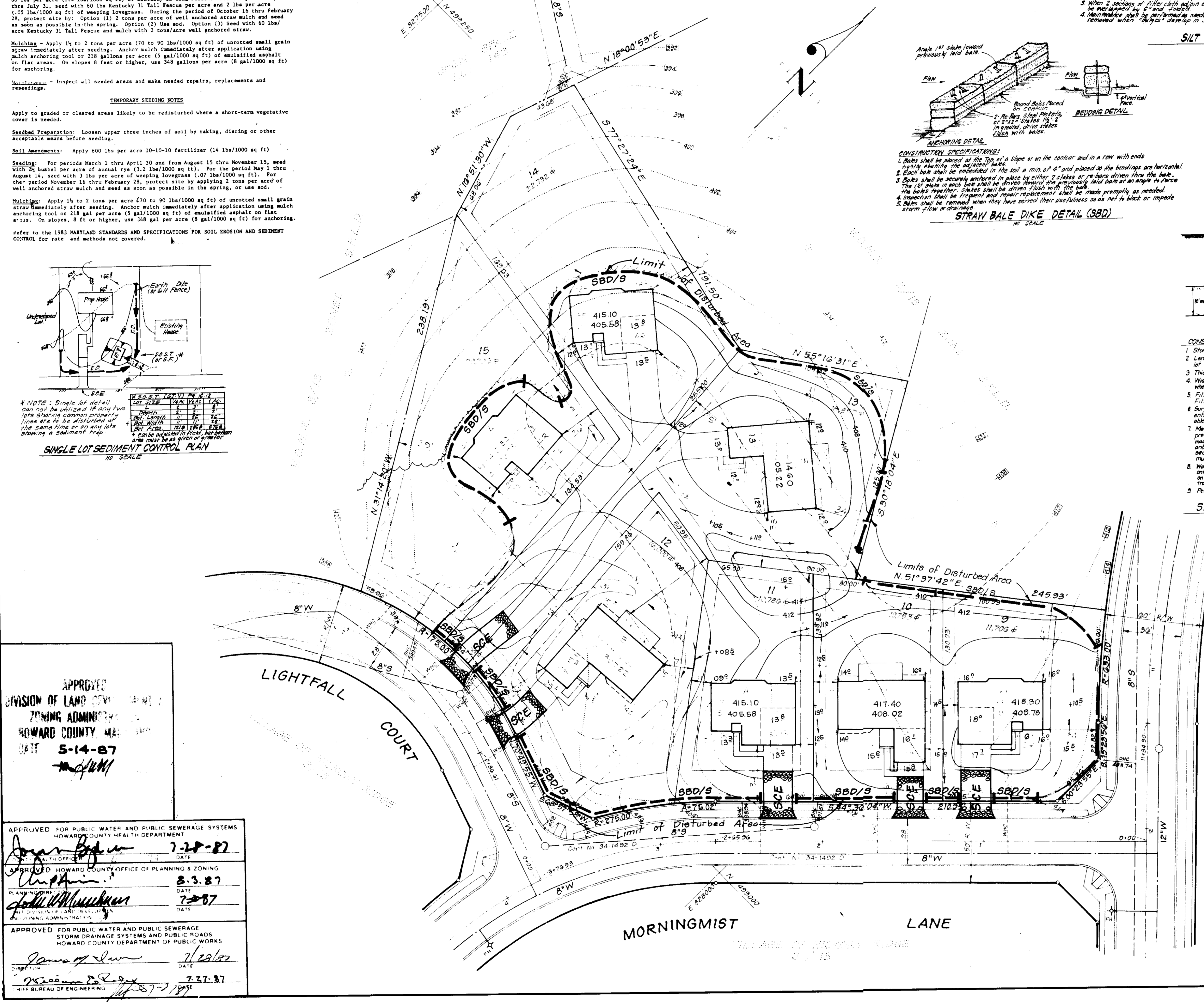
APPROVED
DIVISION OF LAND USE
ZONING ADMINISTRATION
HOWARD COUNTY, MD
DATE 5-14-87
[Signature]

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 7-28-87
DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] 8-3-87
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 7/22/87
DATE

[Signature] 7-27-87
DATE



CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
7155 MINNRELL WAY COLUMBIA, MARYLAND 21045 (301) 381-7500

DESIGNED DGT	SEDIMENT AND EROSION CONTROL PLAN LOTS 9 THRU 15	SCALE 1" = 30'
DRAWN LAI	COLUMBIA	DRAWING 2 of 2
CHECKED DGT	VILLAGE OF HICKORY RIDGE SECTION 3 AREA 13 5th ELECTION DISTRICT	JOB NO. P7-01G
DATE March 1987	HOWARD COUNTY, MARYLAND	FILE NO. 87-01G SE

Woodsman Homes
Wildeside Village Green Suite 300
Columbia, Maryland 21044