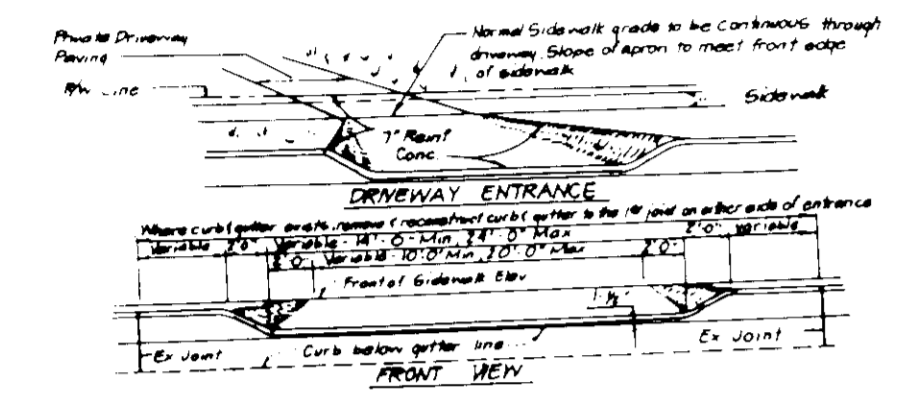
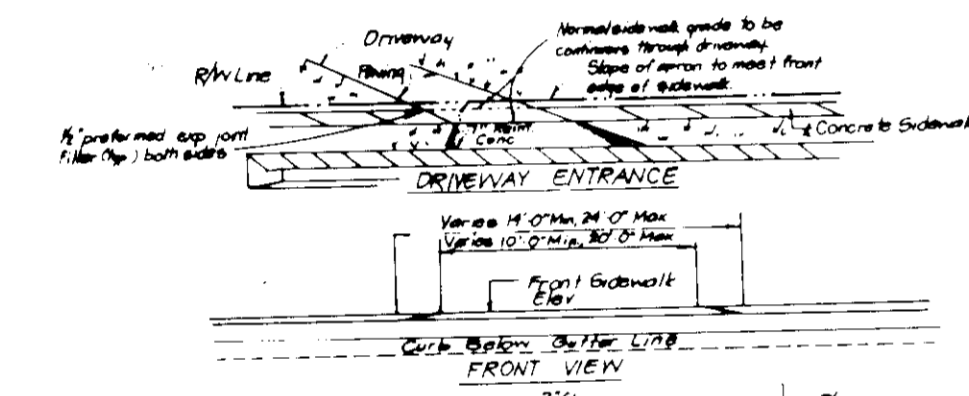


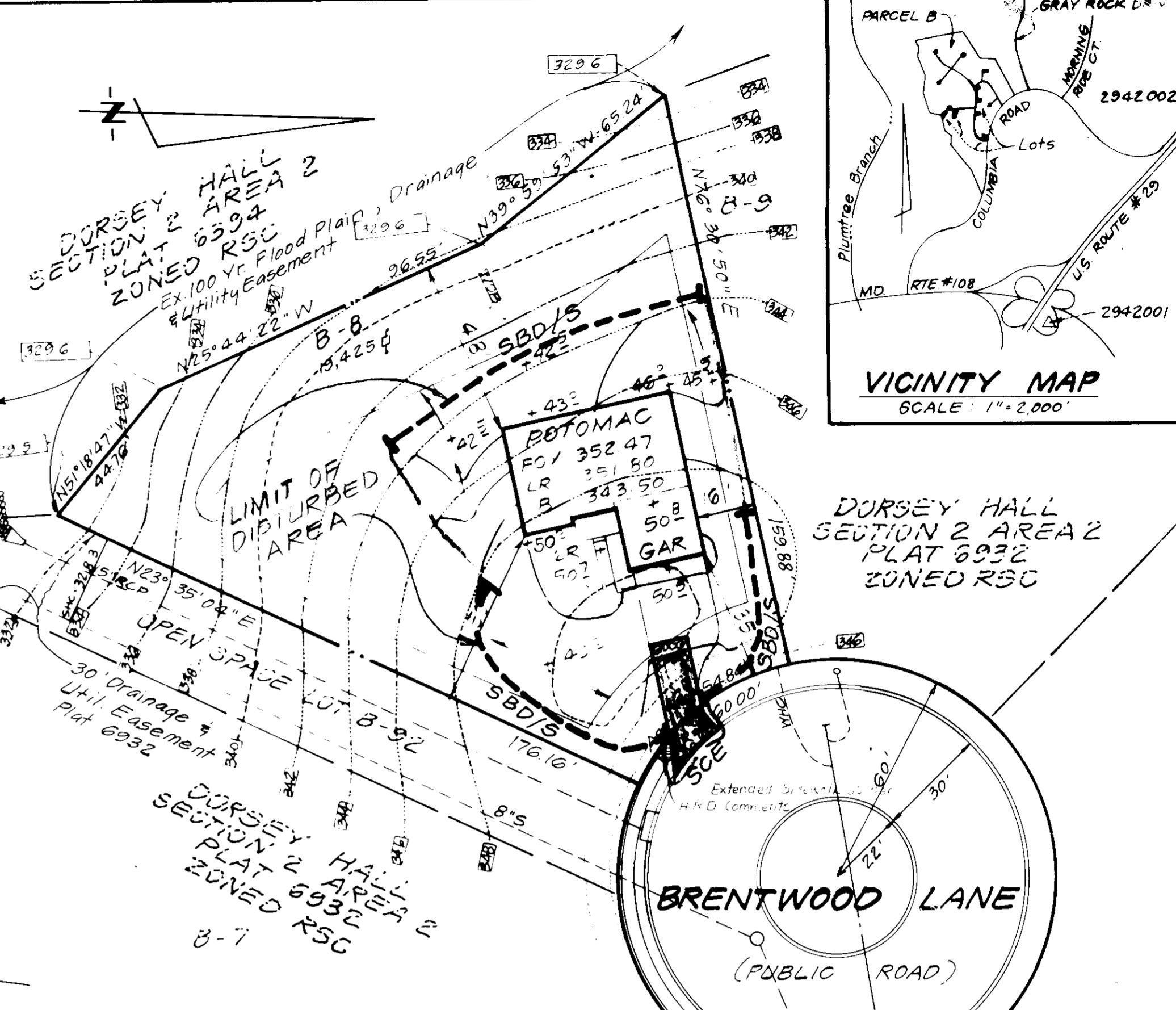
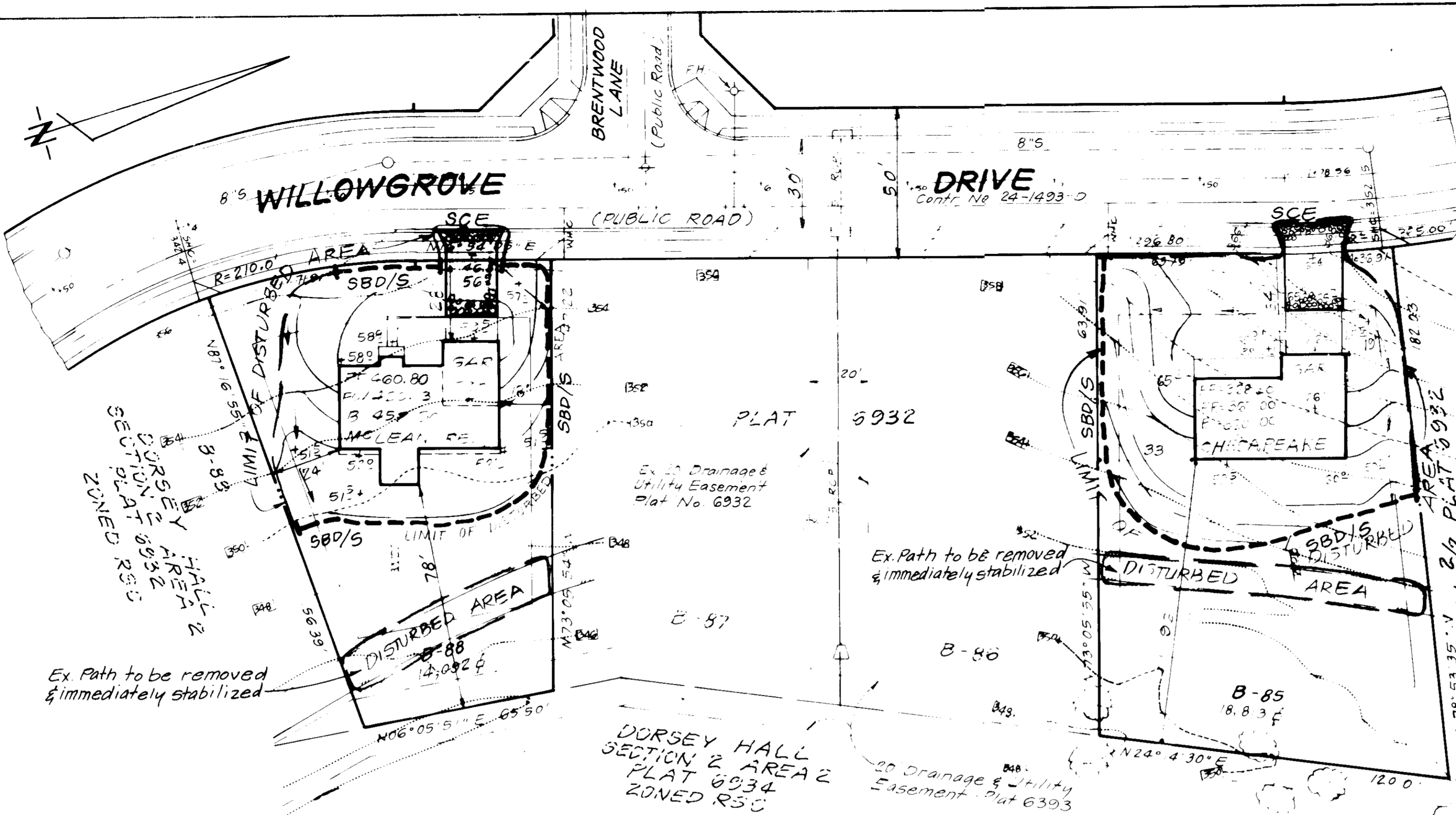
DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK



DRIVEWAY ABUTTING CLOSED SECTION WITH STR. 1' COMB. CURB & GUTTER (SIDEWALK SET BACK FROM CURB)



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



**GENERAL NOTES:**

1. The land included in this plan is zoned RSC.
2. All coordinates are based on Howard County Geodetic Control Monuments 2942002 & 2942001 which are based on The Maryland State Plane Coordinate System.
3. The total area included in this plan is 1.571 Acres.
4. All roadways are public and existing.
5. Any damage to county owned rights-of-way shall be corrected at the developer's expense.
6. The contractor or developer shall contact the construction inspection survey division, 24 hrs. in advance of commencement of work at 992-2417 or 992-2418.
7. Maximum building coverage is 40% per lot.

**SPECIAL NOTES:**

1. Approved Road Construction Plans shall be used for a public utilities.
2. Public Water and Sewer shown for reference only. For more detailed information see water and sewer plan, Contract No. 24-1493-D.
3. The water and sewer house connections are included in a Developer's Agreement shall conform to Howard County Building Code. The on-site W/C shall be in copper and the S/C shall be 4\"/>
- 4. Stormwater Management provided for under Contract F 86-217.

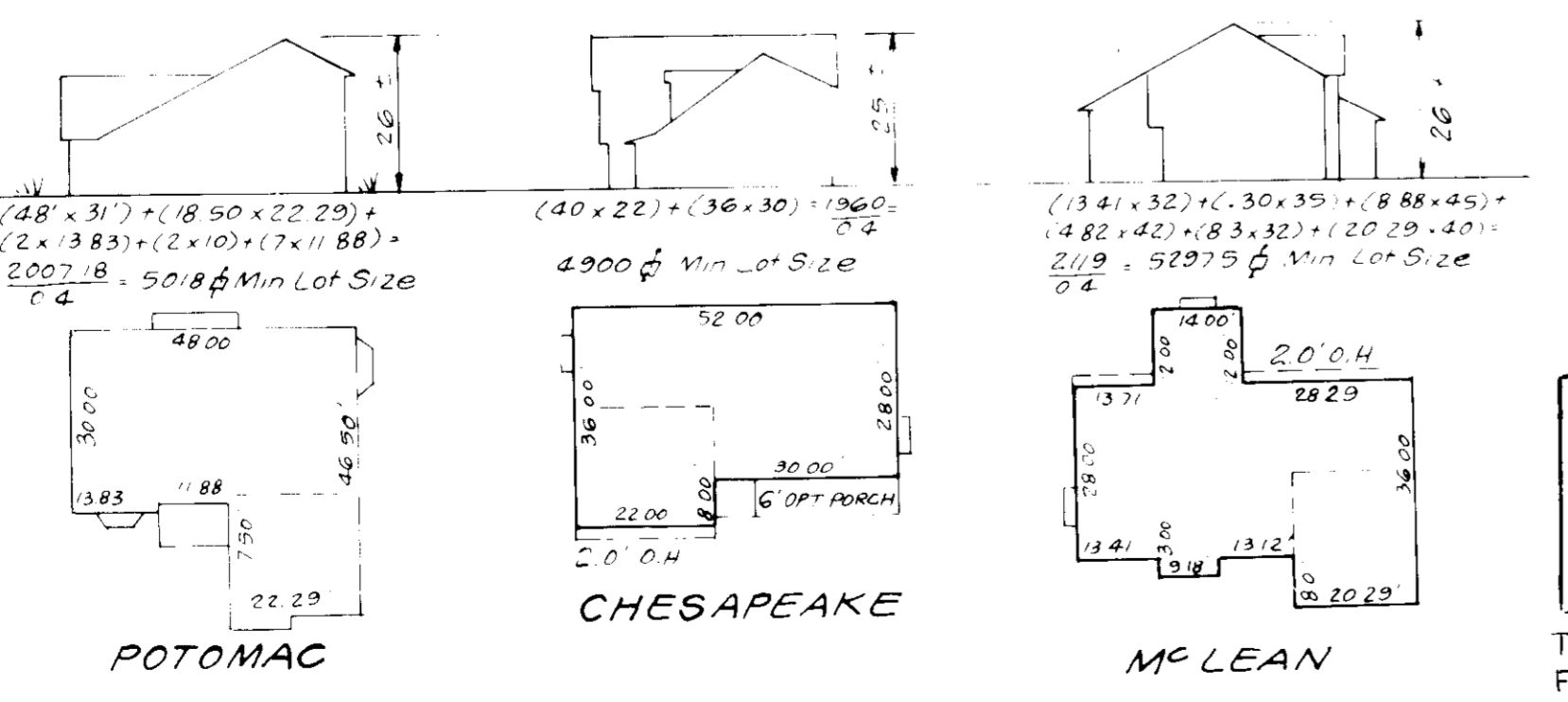
**LEGEND:**

1. Contour Interval 2 Ft
2. Existing Contour 950
3. Proposed Contour 950
4. Spot Elevations 950
5. Direction of Drainage
6. Existing trees to be saved
7. Walk Out Basement
8. Straw Bale Dike or Silt Fence
9. Stabilized Construction Entrance

**BUILDING RESTRICTION LINES**

FRONT 20' Min.  
REAR 30' Min.  
SIDE 75' Min.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
DATE 2-10-87  
APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE 4-28-87  
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 4-20-87



**TYPICAL HOUSES**

SCALE 1" = 30'  
NOTE: All units have 1\"/>

Reviewed for HOWARD COUNTY, S.C.D. Name and meets Technical Requirements U.S. Soil Conservation Service

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

**DEVELOPER'S/BUILDER'S CERTIFICATE**  
I hereby 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 Soil Erosion and Sedimentation before beginning the project. I also authorize periodic site inspection by the Howard County Conservation District or their authorized agents, as may be deemed necessary.  
Signature of Developer/Builder: *Naureen M. Simpson* Date: 1-12-87

**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 County Conservation District.  
Signature: *G. Nelson Clark* Date: 4-1-87

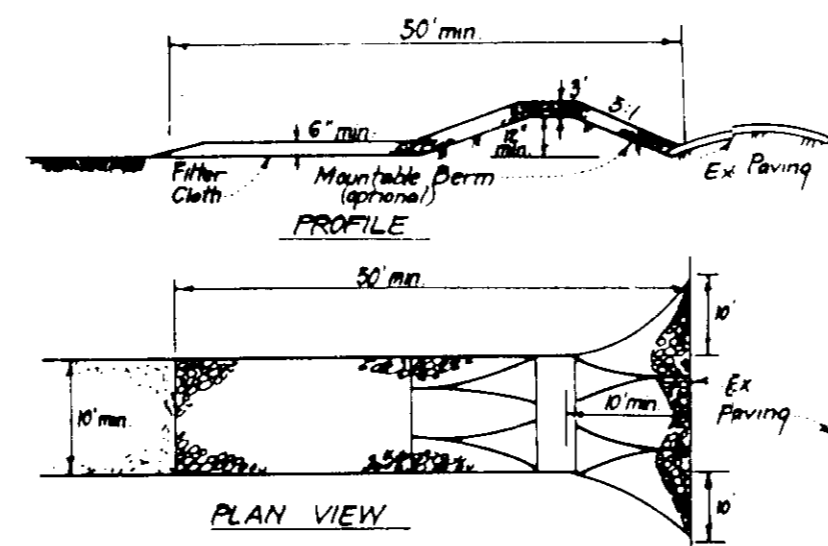
LOT	STREET ADDRESS
B-8	4615 Brentwood Lane
B-81	4649 Smokey Wreath Way
B-85	4620 Willowgrove Drive
B-88	4608 Willowgrove Drive
SUBDIVISION NAME: DORSEY HALL	
SECT/AREA: 2/2	
LOTS: B-8, B-81, B-85, B-88	
PLAT: 6932	
BLOCK: 21/3	
ZONE: RSC	
TAX ZONE: MAP: REC: DIST: 2ND	
CENSUS TR: 6023.01	
WATER CODE: F 11	
SEWER CODE: 5755.000 & 583.0000	

**CLARK · FINEFROCK & SACKETT**  
ENGINEERS · PLANNERS · SURVEYORS  
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: JLS, CMS  
DRAWN: VLM  
CHECKED: JLS, CMS  
DATE: 1-6-87

**SITE DEVELOPMENT PLAN AND SEDIMENT & EROSION CONTROL PLAN**  
LOTS B-8, B-81, B-85 & B-88  
**DORSEY HALL**  
SECTION 2, AREA 2  
2ND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
FOR THE RYLAND GROUP - Columbia Division  
713C Minstrel Way, Suite 215  
Columbia, Maryland 21045

SCALE: 1" = 30'  
DRAWING: 1 OF 2  
JOB NO.: 86-128  
FILE NO.: 86-128-X



**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 for a simple 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 simple 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 mountable berm with 3:1 slopes will be permitted.
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 top dressing with additional stone, be constructed on a permanent base, and/or cleaned of any material used to trap sediment. All sediment applied, dropped, 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)**

**CONSTRUCTION SEQUENCE**

	# OF DAYS
1. Obtain grading permit.	2
2. Install sediment & erosion control measures.	5
3. Clear and rough grade site.	30
4. Construct houses, driveways & walks.	120
5. Fine grade and stabilize all disturbed areas on site.	14
6. Upon approval of the sediment control inspector, remove sediment & erosion control measures and stabilize.	14

**SEDIMENT CONTROL NOTES**

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 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) soil (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec. 51). 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	1.571 Acres
Area Disturbed	0.300 Acres
Area to be roofed or paved	0.267 Acres
Area to be vegetatively stabilized	0.633 Acres
Total Cut	676 Cu. yds
Total Fill	187 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 DEW 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 "fill-and-dredge" basins, at random, Single Lot Sediment Control as shown below shall be implemented. N/A
12. All pipes to be blocked at the end of each day (see detail below). N/A
13. The total amount of straw bale dikes/silt fence equals 885 L.F.

**PERMANENT SEEDING NOTES**

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, 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 sq 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 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 (.09 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 15 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 rereeedings.

**TEMPORARY SEEDING NOTES**

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

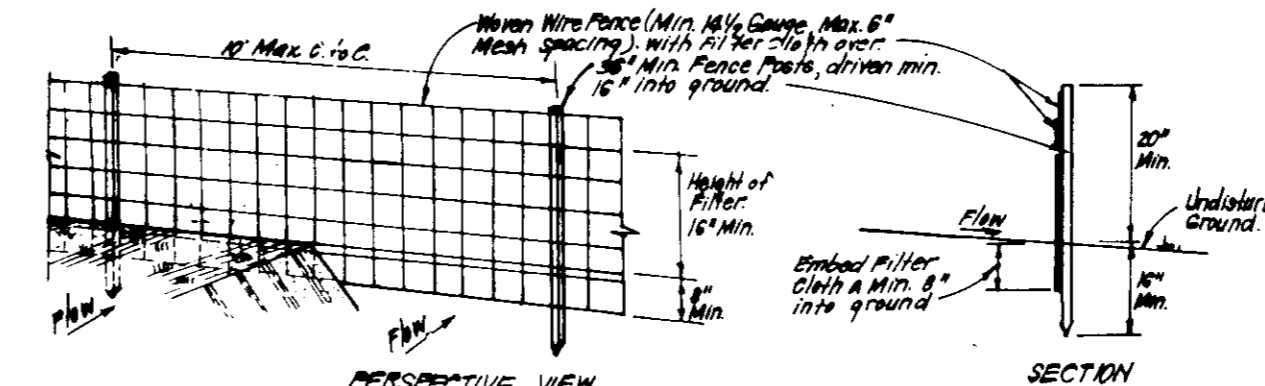
**Seeded Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

**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 24 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 1 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 15 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.



**CONSTRUCTION SPECIFICATIONS:**

1. Weave wire fence to be fastened securely to fence posts with wire ties or staples.
2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 36" at top and mid section.
3. When 2 sections of filter cloth require each other they shall be overlapped.
4. Maintenance shall be performed as needed and material removed when "bags" develop in silt fence.

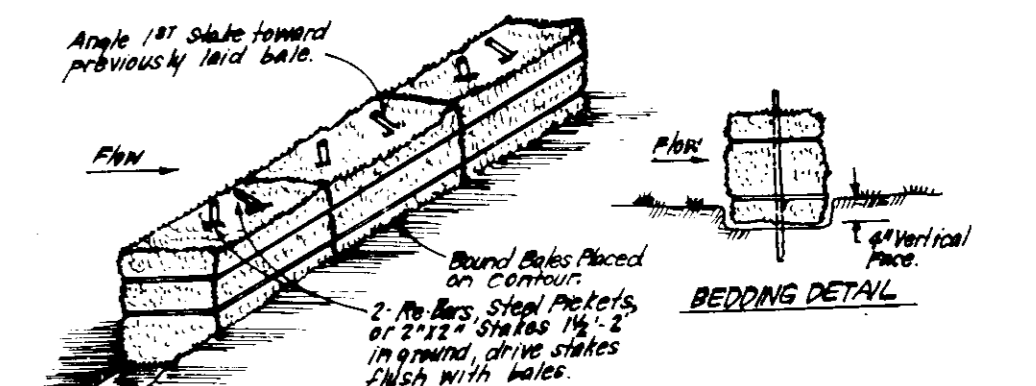
**POSTS:** Steel, either T or U Type or 2" x 4" wood posts.

**FENCE:** Woven Wire, 14" Gauge, 6" Max. Mesh Opening.

**FILTER CLOTH:** Filter Cloth, 100% Polypropylene, 100% Geotextile, 100% Permeable.

**PREPARED UNIT:** 600 lbs. Equivalent, 30' length, equal.

**SILT FENCE DETAIL (S)**



**CONSTRUCTION SPECIFICATIONS:**

1. Bales shall be placed on the top of a slope or on the contour and in a row with ends tightly abutting the adjacent 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 securely anchored in place by either 2 stakes or rebar driven thru the bales.
4. The 1st stake in each bale shall be driven forward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bales.
5. Inspection shall be frequent and repair/replacement shall be made promptly as needed.
6. 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)**

APPROVED FOR ZONING ADMINISTRATION  
 HOWARD COUNTY  
 DATE 2-10-87  
 [Signature]

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER [Signature] DATE 4-28-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR [Signature] DATE 4-29-87

CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 DIRECTOR [Signature] DATE 4-20-87

Howard  
 [Signature]  
 Approved Date 5/27

DEVELOPER'S BINDER CERTIFICATE  
 [Signature]  
 1-12-87

[Signature]  
 G Nelson Clark  
 6/12/87  
 Date

SUBDIVISION NAME	DORSEY HALL	SECT./AREA	2/2	LOTS	8-B, 8-B1, 8-B5 & 8-B8
PLAT#	6931	BLOCK#		TAX ZONE	RSC 24 and 33
WATER CODE	F 11	SEWER CODE	2 ND		

**CLARK • FINEFROCK & SACKETT**  
 ENGINEERS • PLANNERS • SURVEYORS

13135 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED	JLS	SCALE	1" = 30'
CMS			
DRAWN	VLM	DRAWING	2 OF 2
CHECKED	JLS	JOB NO.	86-128
CMS		FILE NO.	86-128-X
DATE	1-6-87		

FOR: THE RYLAND GROUP - Columbia Division  
 7130 Minnetonka Way, Suite 215  
 Columbia, Maryland 21045