

- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permitting 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 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, 6) 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. 52), temporary seeding (Sec. 50) and mulching (Sec. 53). 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                  | 0.64 Acres  |
| Area Disturbed                      | 0.383 Acres |
| Area to be vegetatively stabilized  | 0.220 Acres |
| Total Cut                           | Cu. yds     |
| Total Fill                          | Cu. yds     |
| Off-site waste/borrow area location | NA          |
- 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 DEP 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-Built" basis, 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 500 L.F.

**CONSTRUCTION SEQUENCE:**

A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	7
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. & Specs.	30
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	14

Reviewed for HOWARD S.C.D. Name and meets Technical Requirements. Signature: *[Signature]* Date: 6/24/87. U.S. Soil Conservation Service.

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

*Stephen L. Hahn* Approved Date: 6/24/87

6-4-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. COUNTY HEALTH OFFICER: *[Signature]* DATE: 7-7-87.

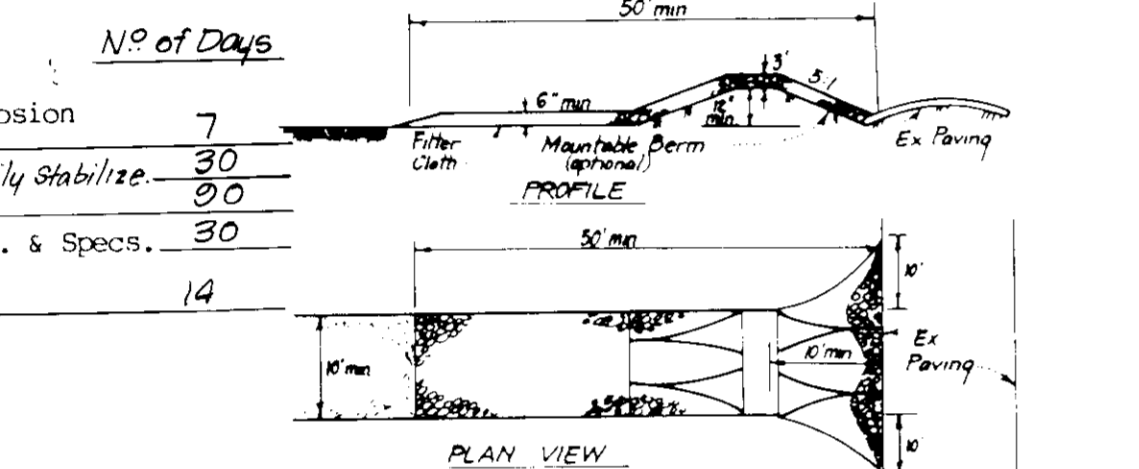
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING. PLANNING DIRECTOR: *[Signature]* DATE: 7-1-87.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. DIRECTOR: *[Signature]* DATE: 7/2/87.

CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 7/2/87.

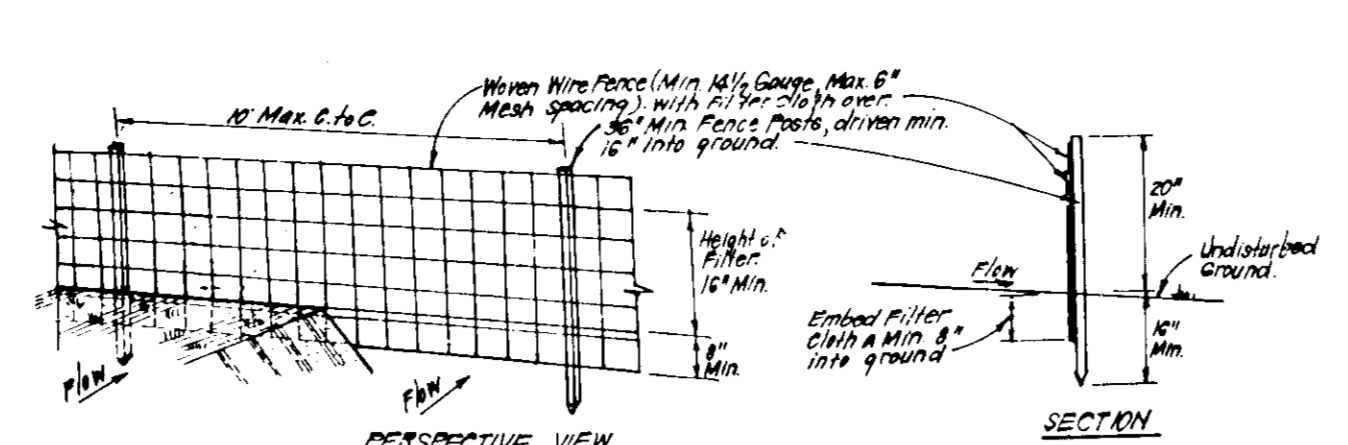
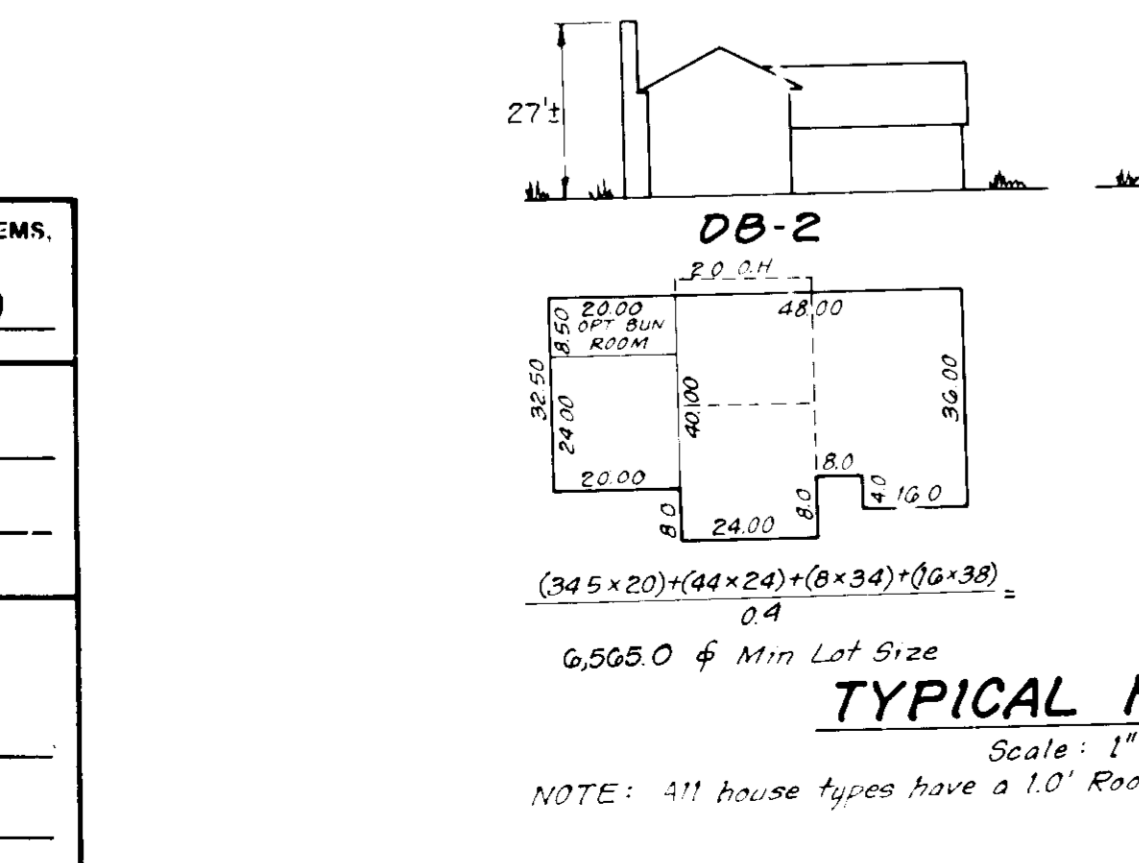
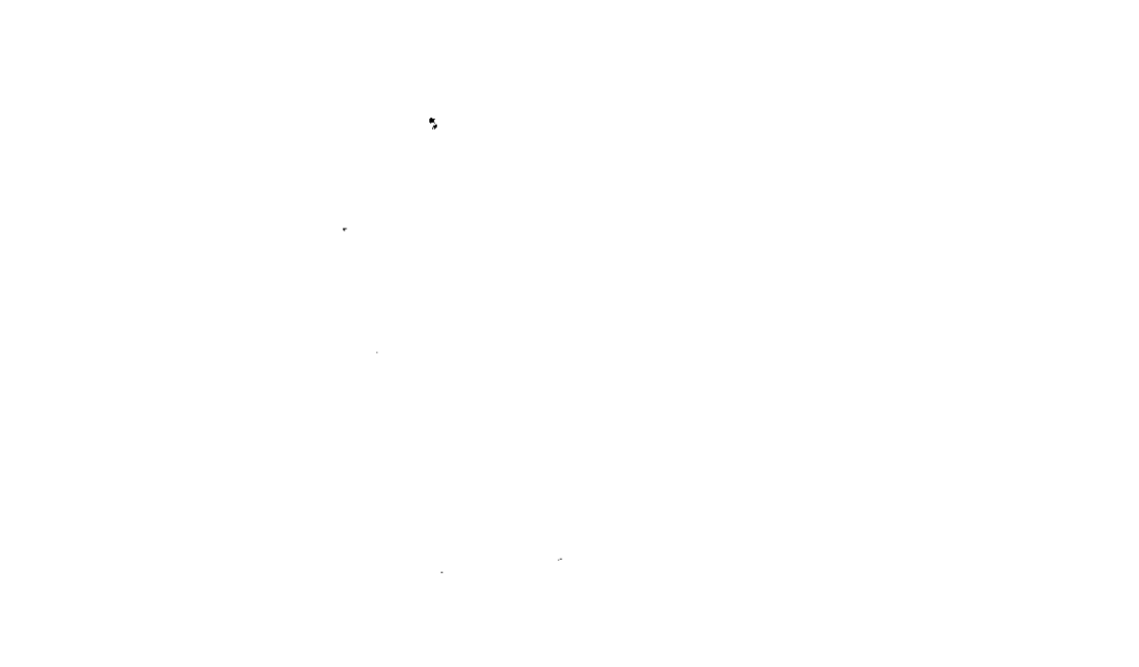
**PERMANENT SEEDING NOTES:**  
Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.  
Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.  
Soil Amendments: 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 400 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Narrow 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. 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 of well anchored straw mulch and seed as soon as possible in the spring. Option (2) 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 (90 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 redistributed where a short-term vegetative cover is needed.  
Seedbed 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 25 bushel per acre of annual ryegrass (1.2 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 (90 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.

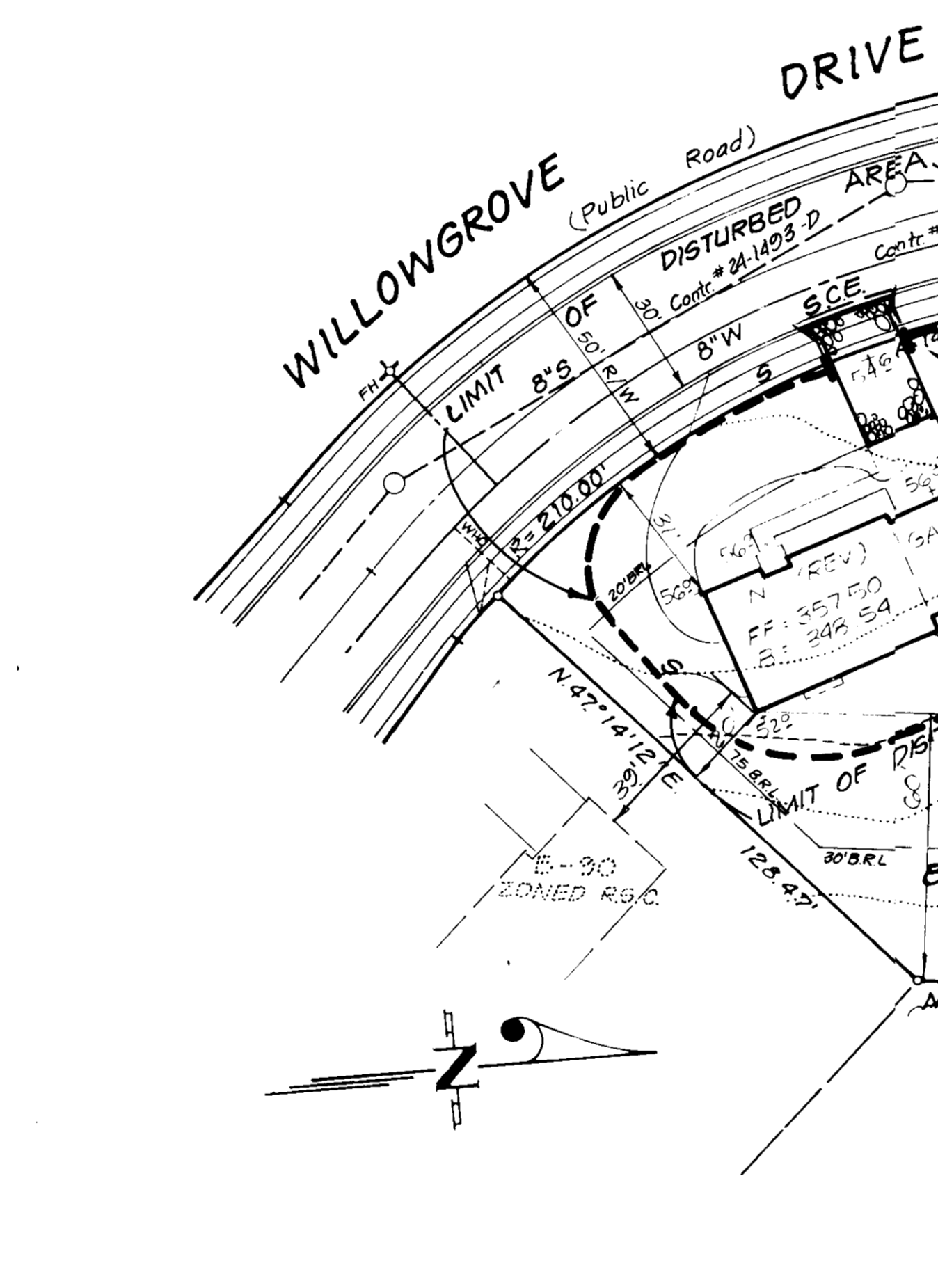
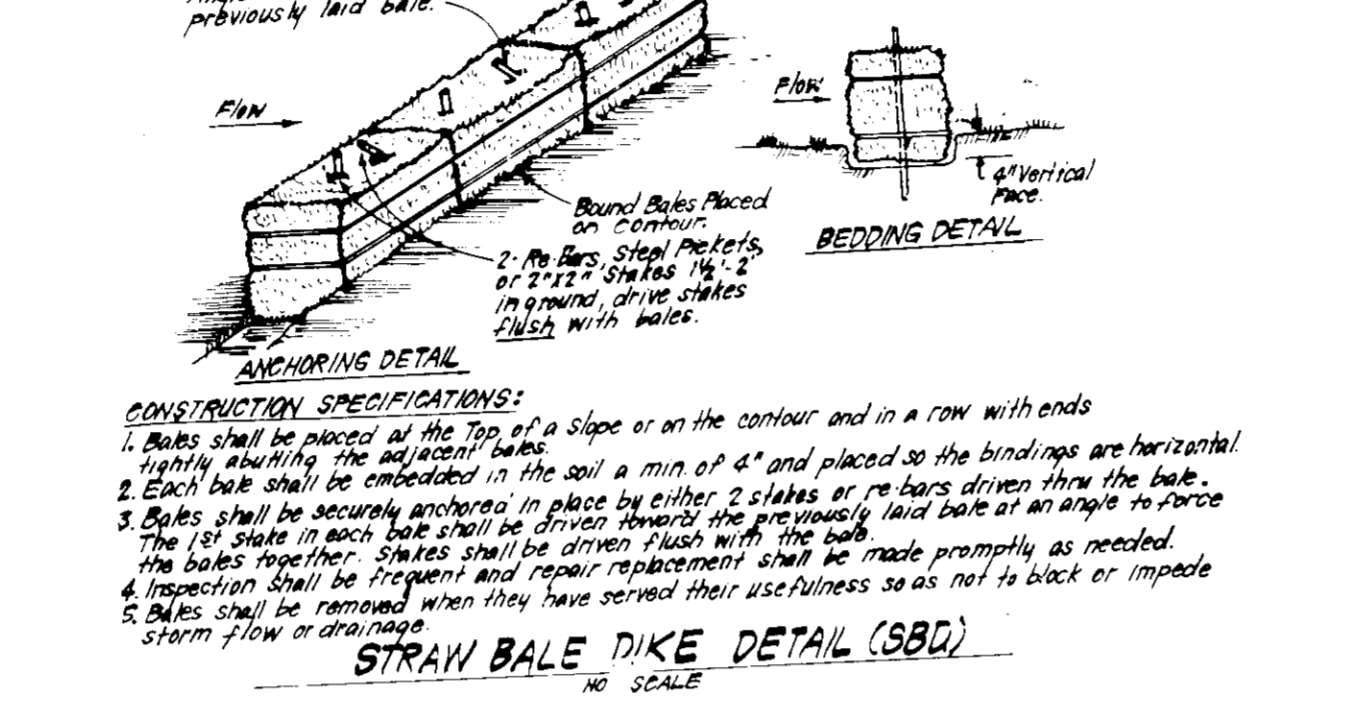
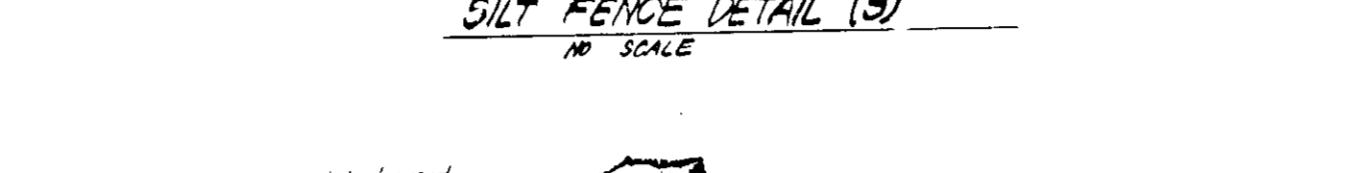


**CONSTRUCTION SPECIFICATIONS:**  
1. Stone size - Use 2" stone or equivalent or recycled concrete equivalent.  
2. Length - As required, but not less than 50 feet (exception a single residence lot where a 30' foot minimum length would apply).  
3. Thickness - Not less than six (6) inches.  
4. Width - Ten (10) feet minimum, but not less than the full width at 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 over a single family residence lot.  
6. Surface Water - All surface water flowing or diverted toward construction structures shall be piped across the entrance. If piping is impractical, a movable berm in the SCE shall be permitted.  
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment into public rights-of-way. This may require periodic hosing down in the additional stone as conditions demand and repair or replacement of any material used in the entrance. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.  
8. Warning - 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)**  
SCALE: 1" = 30'

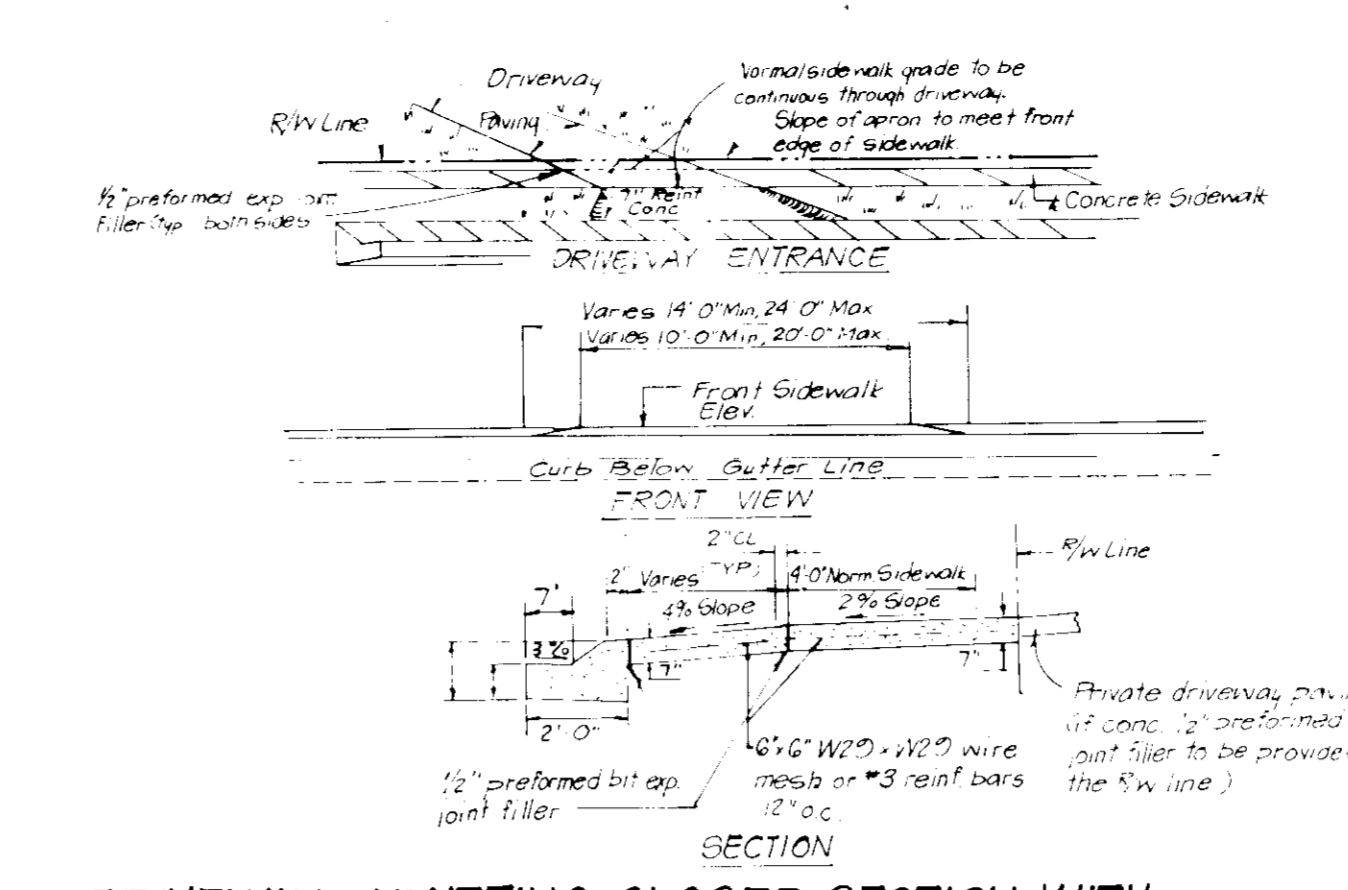


**CONSTRUCTION SPECIFICATIONS:**  
1. Weigh wire fence to be fastened securely to fence posts with wire ties or staples.  
2. Filter Cloth to be fastened securely to weaver wire fence with ties spaced every 30" in line and most sections.  
3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and fastened.  
4. Maintenance shall be provided as needed and material removed when "Bulges" develop in Silt Fence.  
POSTS: Steel either 1/2" Type or 2" Hardwood.  
FENCE: Weaver Wire, 1/4" Gauge, 6" Max. Mesh Opening.  
FILTER CLOTH: Filter, Mynal, 100, Sublinks, TIRON or Approved Equivalent.  
PREFABRICATED UNIT: Georgia, Durvance, or approved equal.



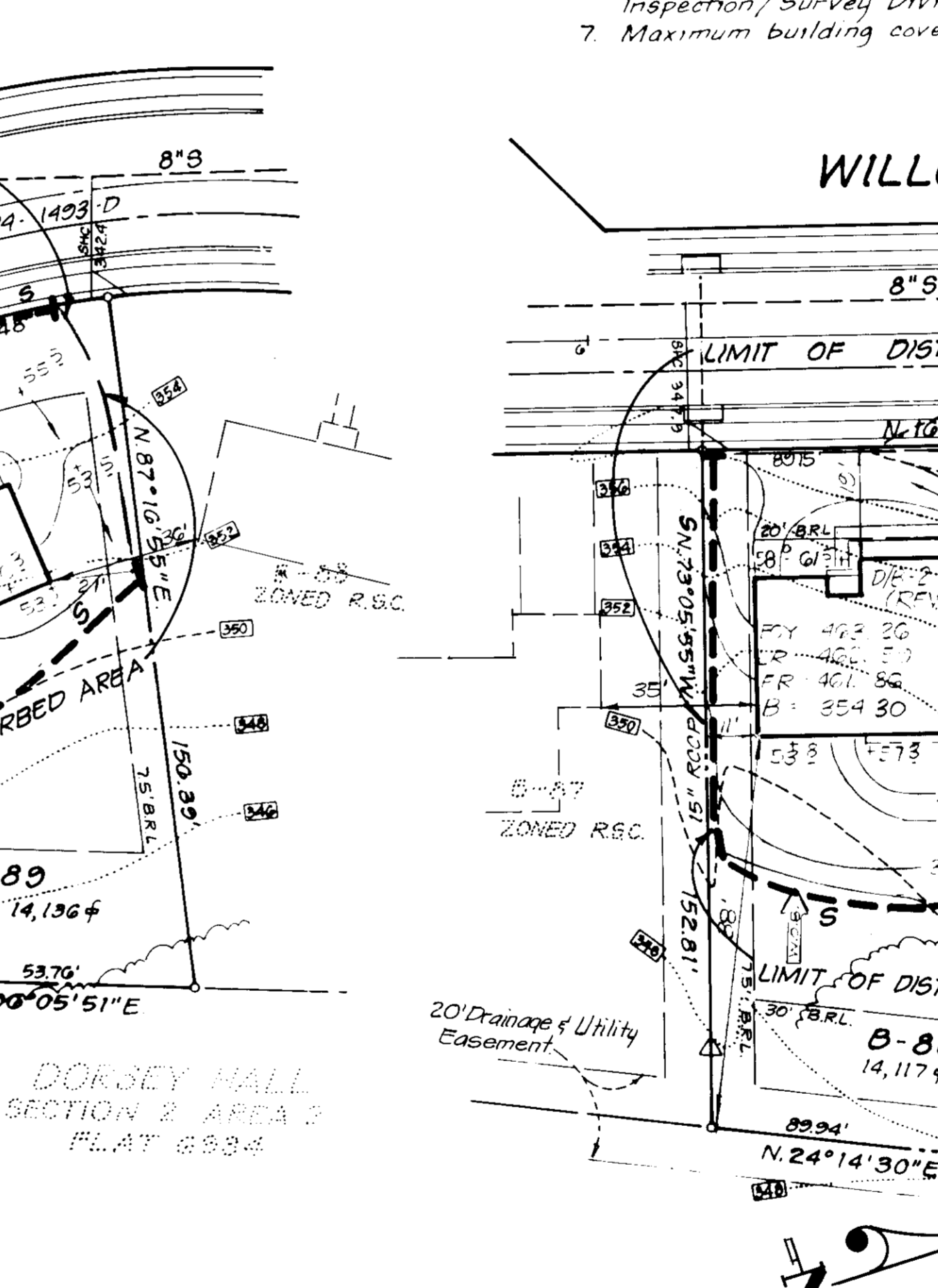
**DEVELOPER'S/BUILDER'S CERTIFICATE:**  
"I/we certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a 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]* B. James Greenfield Date: 5/4/87

**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]* G. Nelson Clark Date: 5-4-87



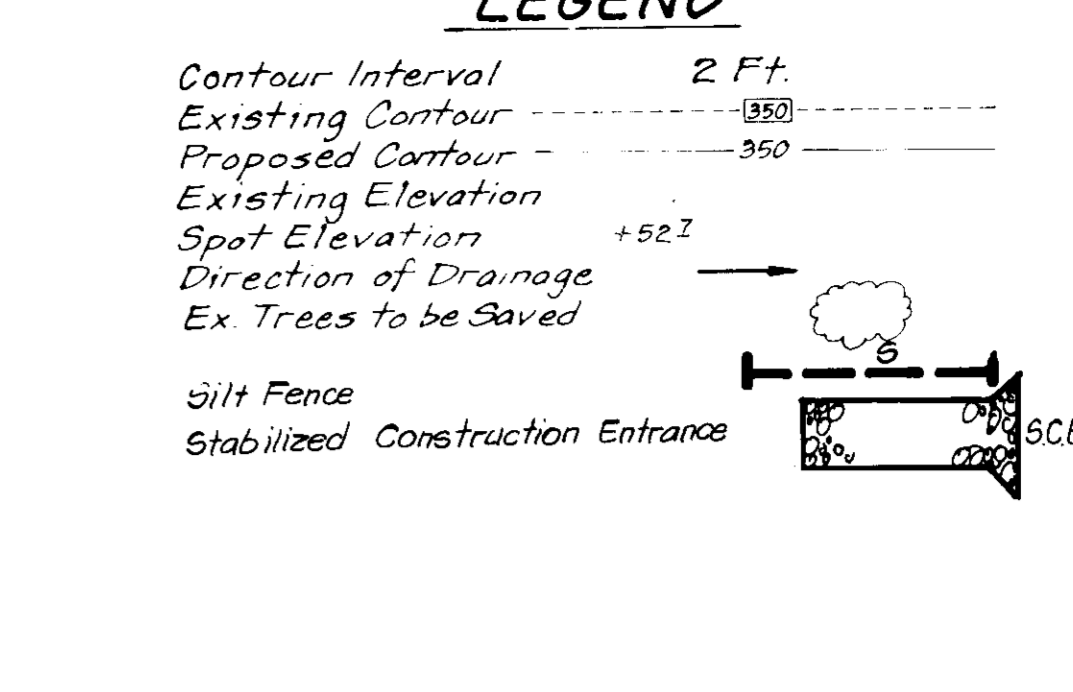
**DRIVEWAY ABUTTING CLOSED SECTION WITH MODIFIED COMB CURB & GUTTER & SIDEWALK.**

**GENERAL NOTES:**  
1. The Land included in this plan is zoned RSC.  
2. All coordinates are based on Howard County Geodetic Control Monuments 2942001 and 2942002 which are based on The Maryland State Plane Coordinate System.  
3. The total area included in this plan is 0.65 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.  
7. Maximum building coverage is 40% per lot.

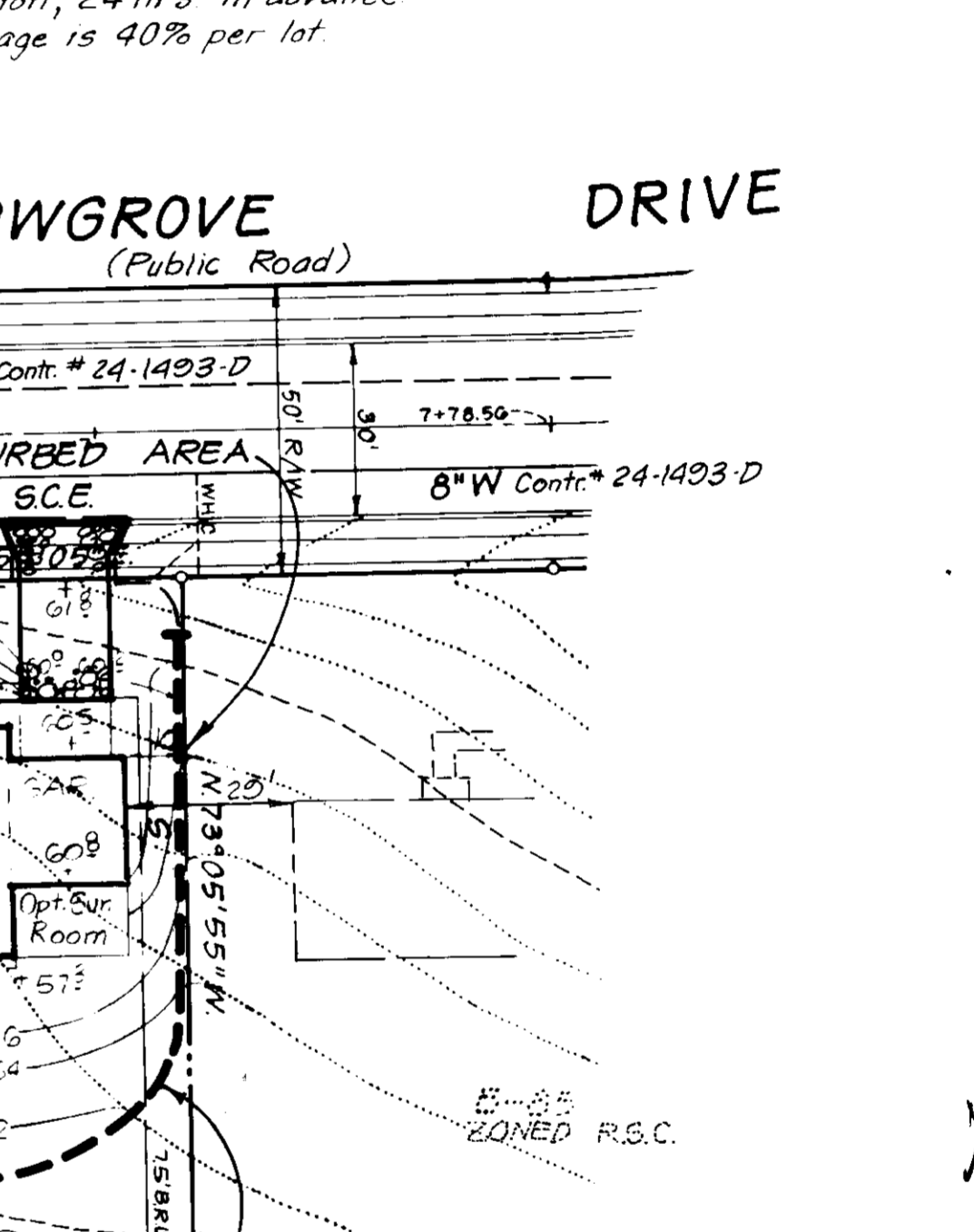


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**BUILDING RESTRICTION LINES:**  
FRONT: 20' Min.  
REAR: 30' Min.  
SIDE: 7.5' Min.



SUBDIVISION NAME		SECT./AREA	LOTS
DORSEY HALL		2/2	B-86 & B-89
PLAT #	BLOCK #	ZONE	TAX ZONE
6932	3	RSC	24+30 24P
WATER CODE:		SEWER CODE	
F11		5755.000 & 5830.000	

**CLARK • FINEFROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7600 - BALTO • (301) 621-8100 - WASH.

**SITE DEVELOPMENT & SEDIMENT & EROSION CONTROL PLAN**  
LOTS B-86 AND B-89  
**DORSEY HALL**  
SECTION 2 AREA 2  
2ND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: COLUMBIA BUILDERS, INC.  
3 Lakeland North - Suite 200  
Columbia, MD 21044

DESIGNED: VHL JLG  
DRAWN: VHL LA1  
CHECKED: JME  
DATE: 5-1-87

SCALE: 1" = 30'  
DRAWING: 1 of 1  
JOB NO: 86-145  
FILE NO: 86-145 X

S.D.P. - 87-224