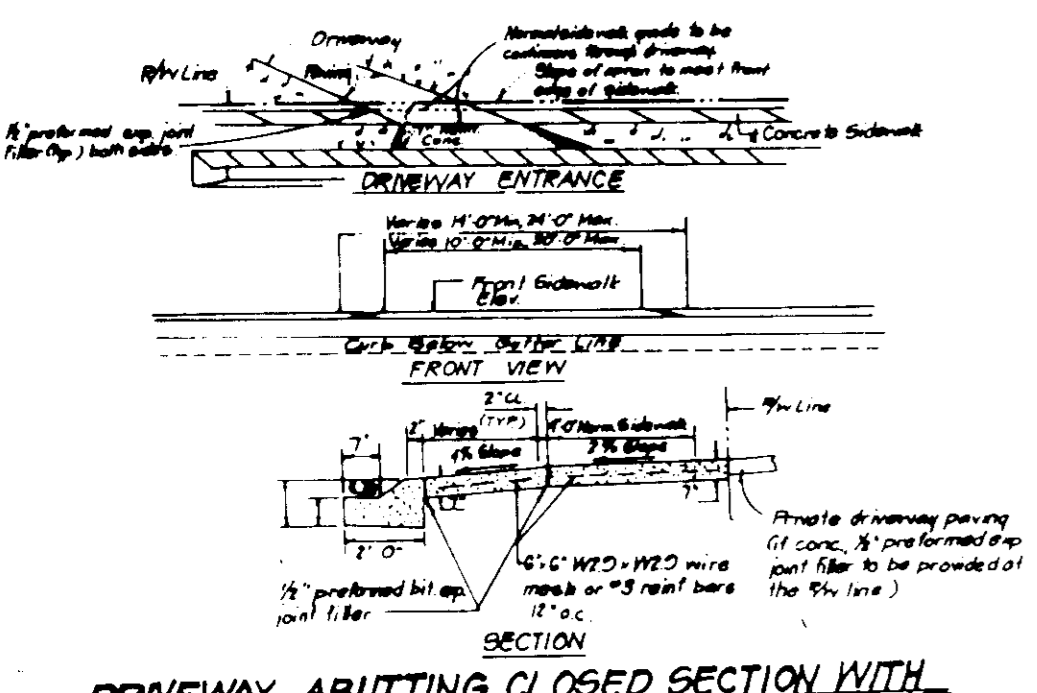
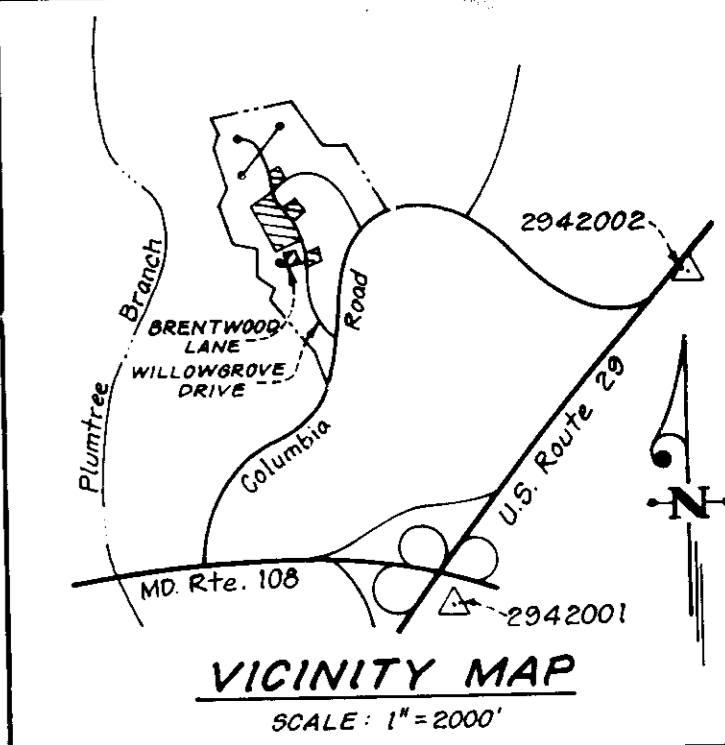
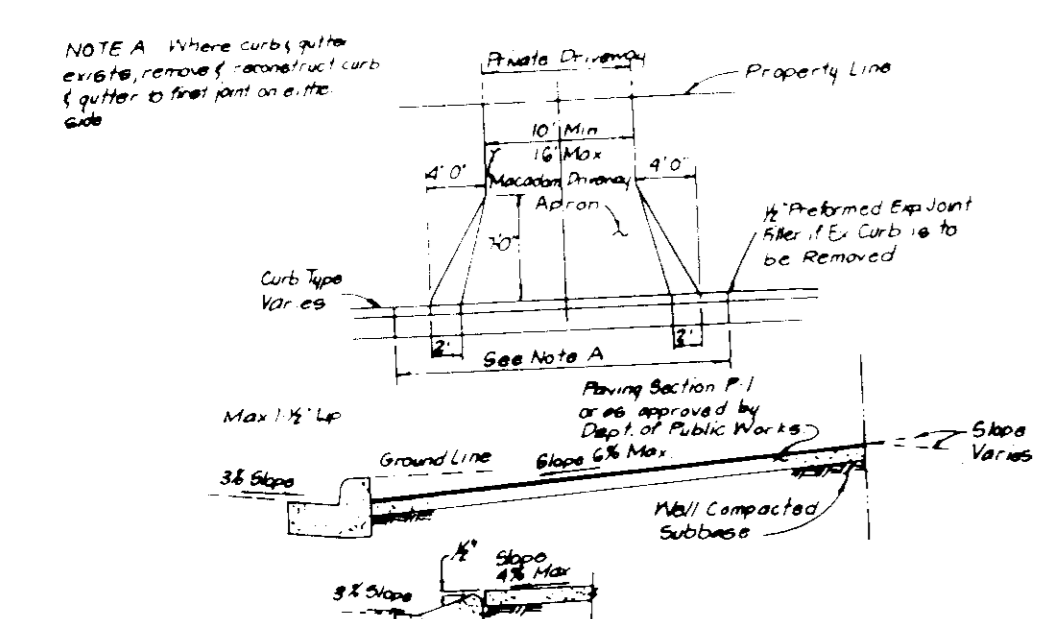


**GENERAL NOTES**

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 3.76 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 792-2630.
7. Maximum building coverage is 40% per lot.
8. Total number of lots: 8



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



DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK

**LEGEND**

Contour Interval 2 Ft

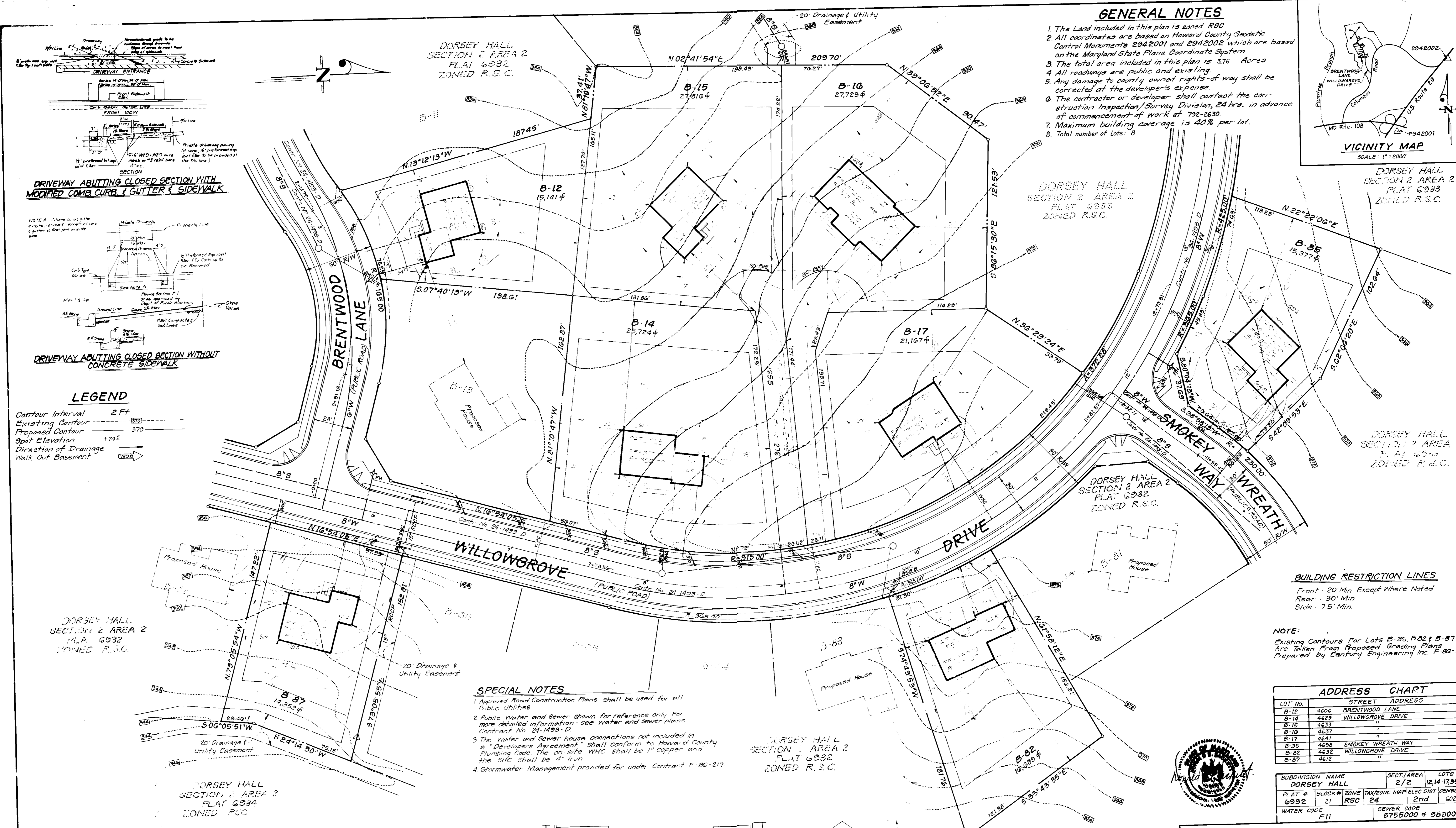
Existing Contour 370

Proposed Contour 370

Spot Elevation +74.2

Direction of Drainage

Walk Out Basement



**BUILDING RESTRICTION LINES**

Front: 20' Min. Except Where Noted  
Rear: 30' Min.  
Side: 7.5' Min.

**NOTE:**  
Existing Contours For Lots B-35, B-37 & B-38  
Are Taken From Proposed Grading Plans  
Prepared by Century Engineering Inc. P-82-217

**SPECIAL NOTES**

1. Approved Road Construction Plans shall be used for all Public Utilities.
2. Public Water and Sewer shown for reference only. For more detailed information see water and sewer plans Contract No. 24-1493-D.
3. The water and sewer house connections not included in a "Developer's Agreement" shall conform to Howard County Plumbing Code. The on-site WHC shall be 1" copper and the SHC shall be 4" iron.
4. Stormwater Management provided for under Contract F-86-217.

**ADDRESS CHART**

LOT No.	STREET	ADDRESS
B-12	4606 BRENTWOOD LANE	
B-14	4628 WILLOWGROVE DRIVE	
B-15	4633 " "	
B-16	4637 " "	
B-17	4641 " "	
B-35	4628 SMOKEY WREATH WAY	
B-32	4632 WILLOWGROVE DRIVE	
B-37	4612 " "	

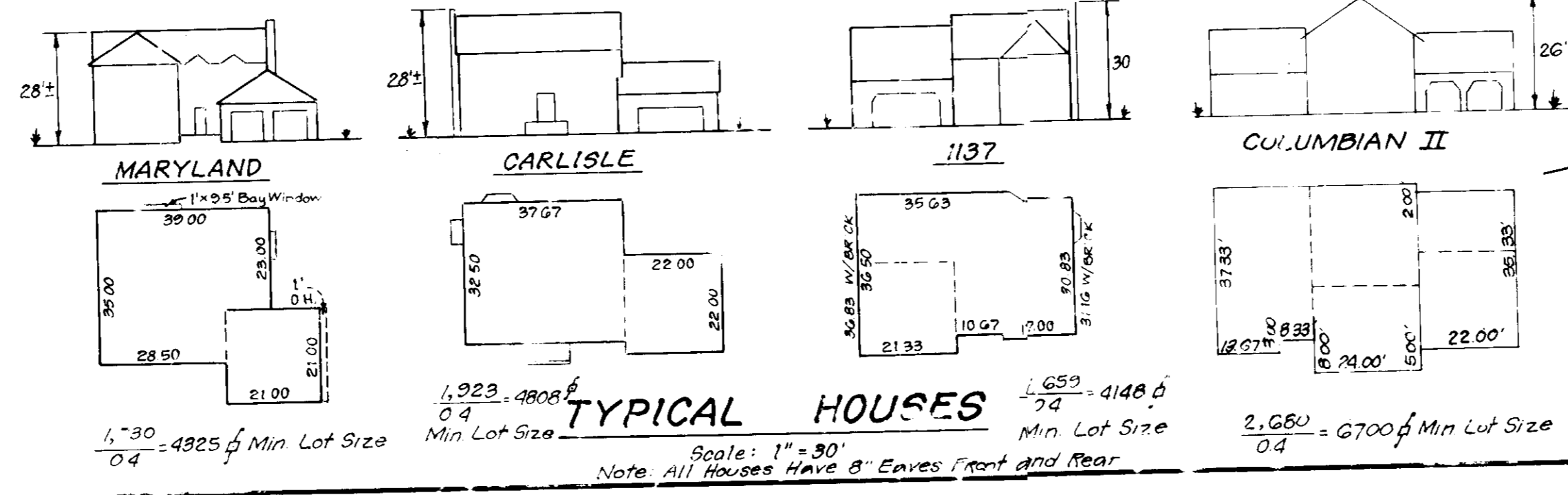
SUBDIVISION NAME	SECT./AREA	LOTS B-
DORSEY HALL	2/2	12, 14, 17, 35, 82, 87
PLAT #	BLOCK #	ZONE
6932	21	RSC 24
WATER CODE	F11	SEWER CODE
		6755000 + 5650000

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE: 6-3-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE: 6-5-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE: 6-1-87

DIVISION OF LAND DEVELOPMENT  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE: 5-7-87



**CLARK • FINEBROCK & SACKETT**  
ENGINEERS • PLANNERS • SURVEYORS  
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-1400

DESIGNED: CMS  
DRAWN: LAI  
CHECKED: CMS  
DATE: APRIL 1987

**SITE DEVELOPMENT PLAN**  
LOTS B-12, B-14 THRU B-17, B-35, B-82 + B-87

**DORSEY HALL**  
SECTION 2 AREA 2  
2nd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
FOR CONSOLIDATED HOME BUILDERS, INC.  
8950 Route 108  
Columbia, Maryland 21045

SCALE: 1" = 30'  
DRAWING: 1 of 3  
JOB NO.: 87-001  
FILE NO.: 87-001 X

**SEDIMENT CONTROL NOTES**

- 1) A minimum of 20% of the site must be vegetated with permanent or temporary stabilization practices and permitted under the Maryland Department of the Environment, Code of Regulations, § 26.13.01.
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance 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. 3) 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	3.76 Acres
Area Disturbed	2.67 Acres
Area to be roofed or paved	0.89 Acres
Area to be vegetatively stabilized	1.79 Acres
Total Cut	1010 Cu. yds
Total Fill	3400 Cu. yds
Off-site 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 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.
- 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 1620 L.F.

**PERMANENT SEEDING NOTES**

Approved for this project by the Howard County Department of the Environment, Code of Regulations, § 26.13.01.

Soil Preparation - Before sowing, the surface of soil to be seeded must be prepared to a depth of 4 inches by raking, disking or other acceptable means before seeding.

Soil Amendment - In lieu of soil test recommendations, use the following schedule:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 800 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Narrow or disc type spreader (flow 40 sq ft). At time of seeding, apply 400 lbs per acre 10-10-10 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 (14 lbs/1000 sq ft) before seeding. Narrow or disc type spreader (flow 40 sq ft).

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) 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 (10 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.

Inspection - Inspect all seeded areas and make needed repairs, replacements and reseeding.

**TEMPORARY SEEDING NOTES**

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

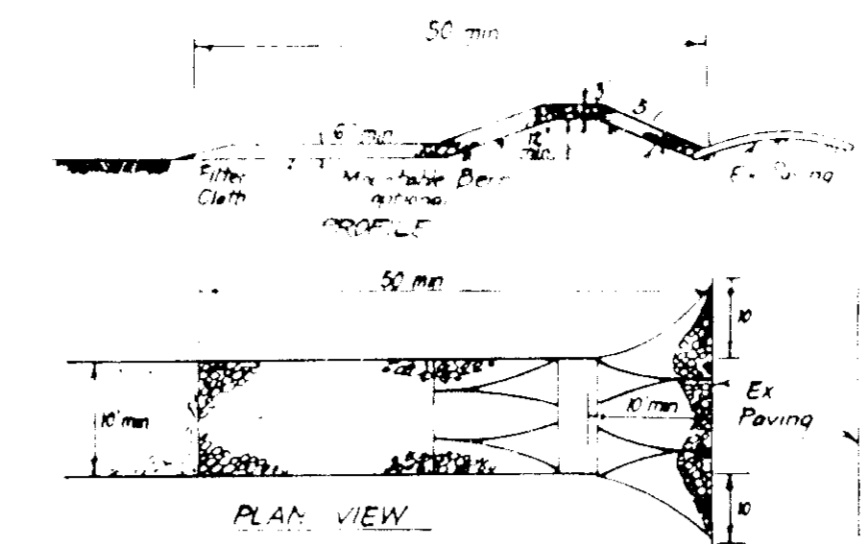
Seeded Preparation - Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

Soil Amendment - 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 bushels 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 (.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 (10 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.

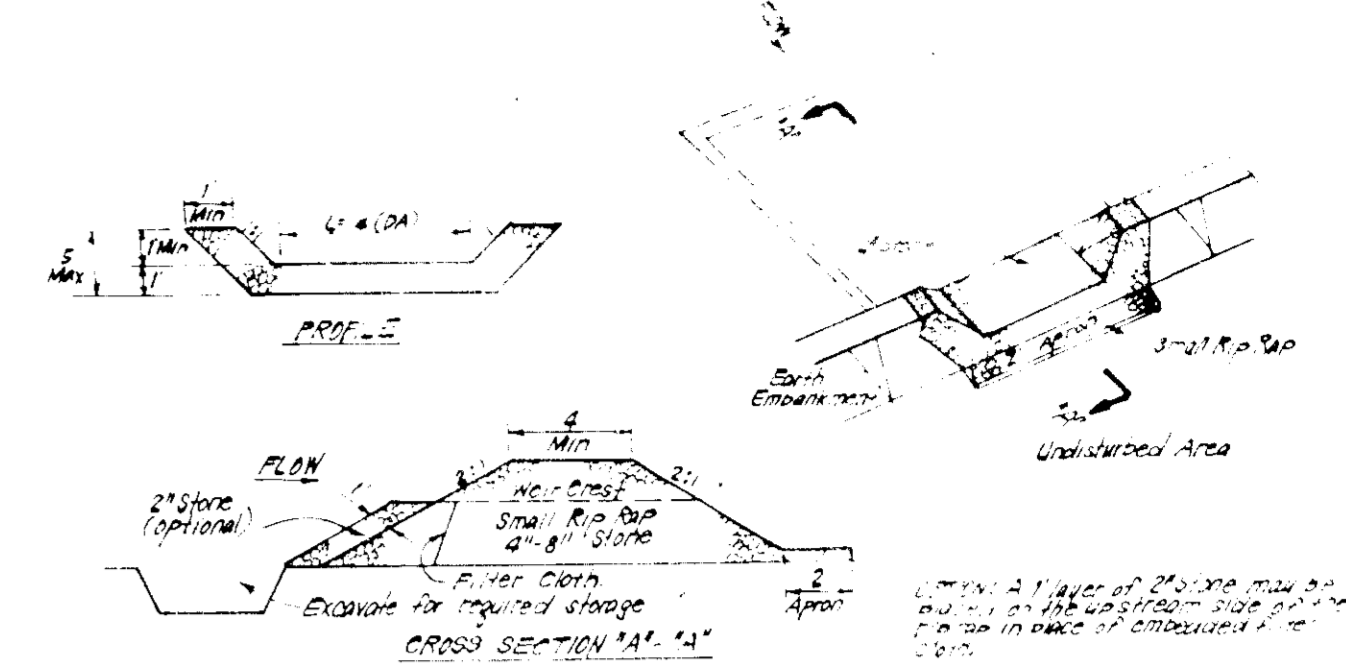
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.



**CONSTRUCTION SPECIFICATIONS**

1. Stone size - Use 2" stone or smaller or crushed concrete equivalent.
2. Length - As required, but not less than 10' feet, except for a single residence lot where a 50' foot maximum length is acceptable.
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 above the bedding 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 a trench is impractical, a mound will be built in the S. direction. All trenches will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment into public ways of way. This may require periodic top dressing with additional stone or straw (and mulch) and other care or cleanup of any open areas used to trap sediment. All sediment applied, disposed, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Vehicles 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 in the stone and which drains into an approved sediment trapping device.
9. Periodic inspection and required maintenance shall be provided after each rain.

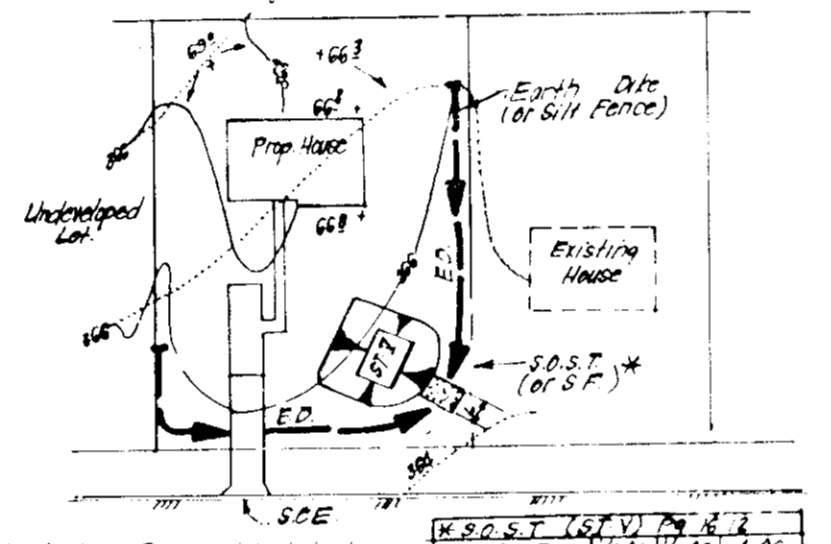
**STABILIZED CONSTRUCTION ENTRANCE (SCE)**



**CONSTRUCTION SPECIFICATIONS**

1. Any utility equipment shall be cleaned, grouted and all areas of any vegetation and root run. The top shall be sealed and capped.
2. The fill material for the embankment shall be free of rocks and other debris, vegetation as well as any other debris, rocks, organic material or other objectionable material. The embankment shall be compacted by tamping with equipment while it is being constructed.
3. All cut and fill slopes shall be 2:1 or flatter.
4. The stone used in the outlet shall be small rip rap 4" x 8" with a thickness of 2" aggregate placed on the up-slope side on the small rip rap of crushed filter cloth in the rip rap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to its design capacity of the trap.
6. The structure shall be inspected after each rain and repairs made as needed.
7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

**STONE OUTLET SEDIMENT TRAP (S.O.S.T.) STV**



**CONSTRUCTION SPECIFICATIONS**

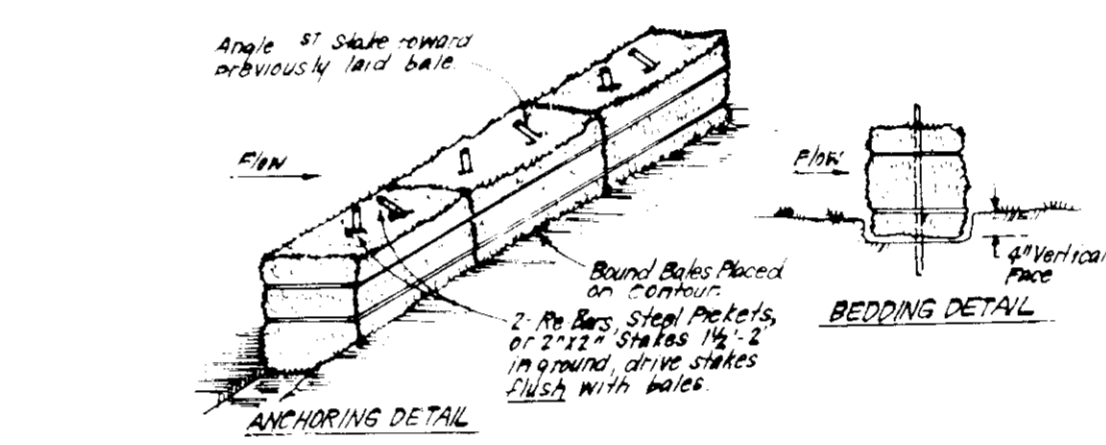
1. Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
2. Each bale shall be embedded in the soil a minimum of 4" and placed so the bindings are horizontal.
3. Bales shall be securely anchored in place by either 2 stakes or rebar driven thru the bale. The 1st stake in each bale shall be driven toward the previously laid bale or an angle rebar or 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)**

\* NOTE: Single lot detail can not be utilized if any two lots are disturbed. Common exterior lines are to be disturbed at the same time or on any lots showing a sediment control structure must be as given or greater.

**SINGLE LOT SEDIMENT CONTROL PLAN**

CONSTRUCTION SEQUENCE	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.	180
D. Final Grade and stabilize in accordance with Stils. & Specs.	30
E. Upon approval of the sediment control inspector remove sediment and erosion controls and stabilize.	14



**CONSTRUCTION SPECIFICATIONS**

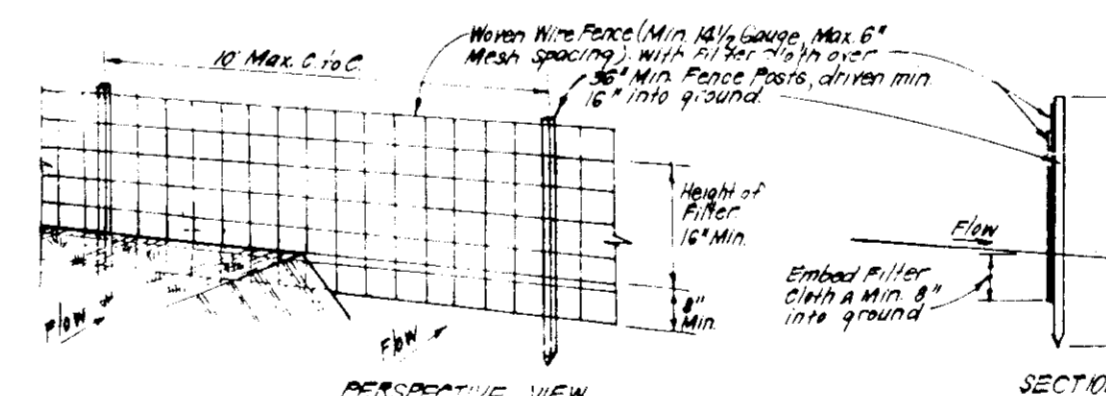
1. Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
2. Each bale shall be embedded in the soil a minimum of 4" and placed so the bindings are horizontal.
3. Bales shall be securely anchored in place by either 2 stakes or rebar driven thru the bale. The 1st stake in each bale shall be driven toward the previously laid bale or an angle rebar or the bales together. Stakes shall be driven flush with the bale.
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B. Excavate for Foundations and Rough Grade & Temporarily Stabilize	30
C. Construct Structures, Sidewalks and Driveways.	180
D. Final Grade and stabilize in accordance with Stils. & Specs.	30
E. Upon approval of the sediment control inspector remove sediment and erosion controls and stabilize.	14



**CONSTRUCTION SPECIFICATIONS**

1. Weigh wire fence to be placed securely to fence posts with wire ties or staples.
2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 10' at top and mid-section.
3. When 2 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 "bales" develop in silt fence.

**SILT FENCE DETAIL (S)**

PREFABRICATED UNIT: Geotex, Erosion Control fabric equal

DEPARTMENT OF LAND DEVELOPMENT  
ZONING ADMINISTRATION  
HOWARD COUNTY MARYLAND  
5-7-87

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	DATE: 6-3-87
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING	DATE: 6-5-87
PLANNING DIRECTOR	DATE: 6-4-87
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	DATE: 6-1-87
DIRECTOR	DATE: 6-1-87

Reviewed for HOWARD S.C.D. Name and meets Technical Requirements  
Signature: [Signature] Date: 5-27-87  
U.S. Soil Conservation Service

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

Approved: [Signature] Date: 5/27/87

**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: 4-7-87  
Drew Sikorski

**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: 4/7/87  
Jeffrey L. Schwartz

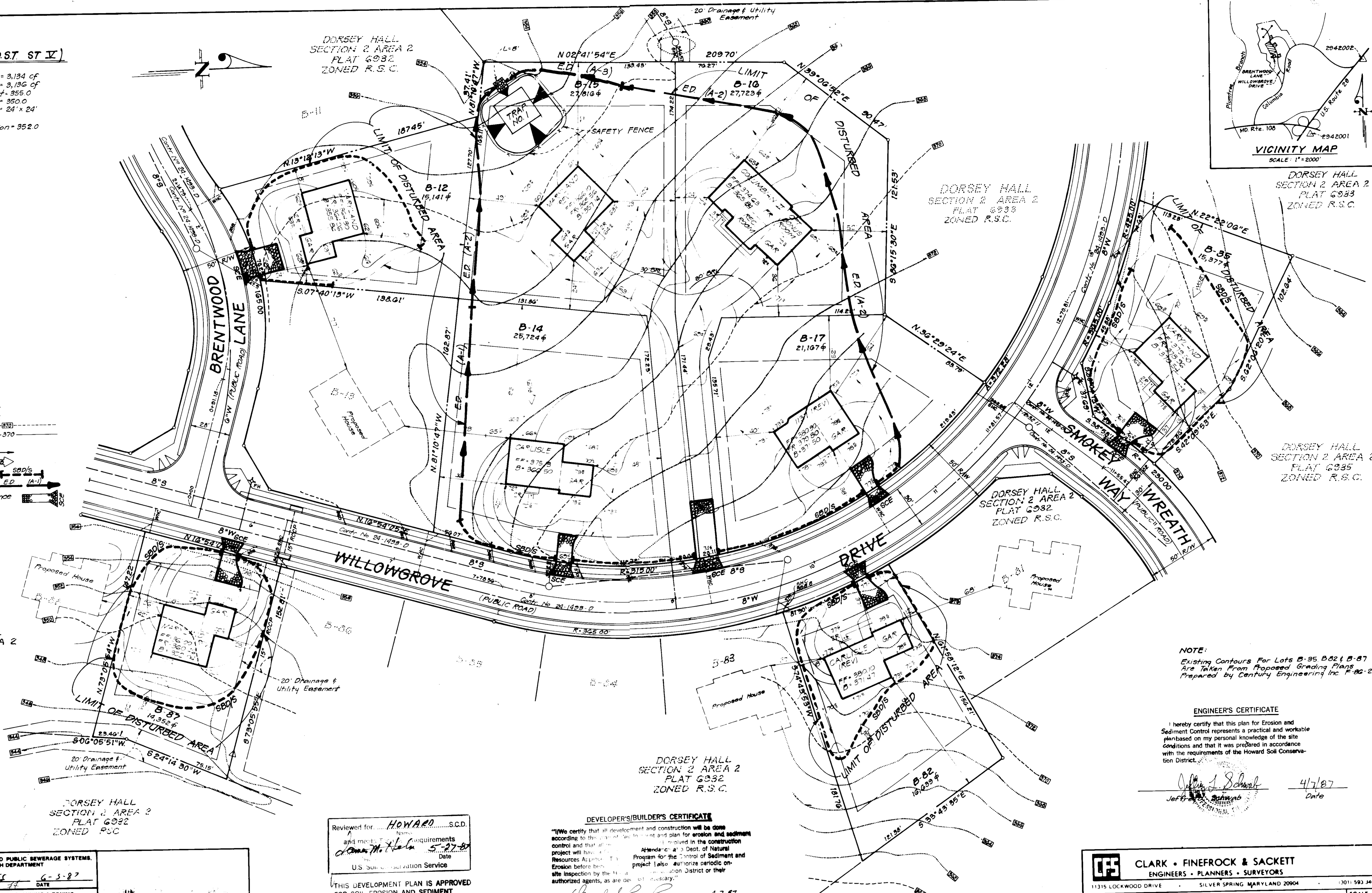
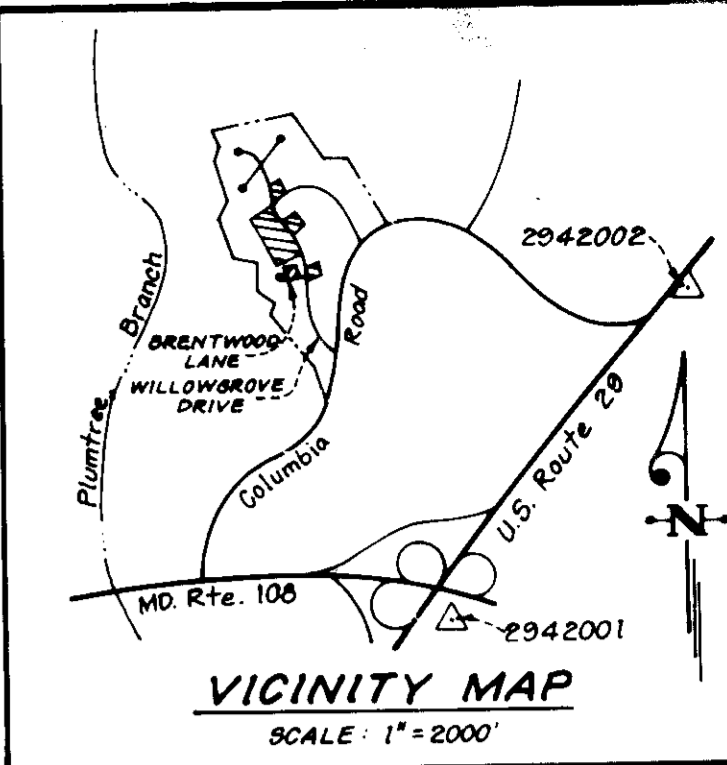
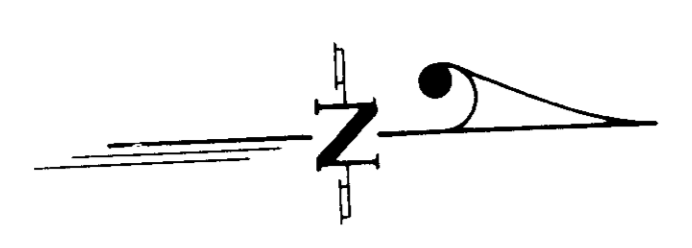
**CLARK • FINEROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINNISTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 • BALTIMORE, MD 21201

DESIGNED	MCB	SEDIMENT & EROSION CONTROL PLAN	1"=30'
DRAWN	BAL	LOTS B-12, B-14 THRU B-17, B-35, B-82 & B-87	DRAWING
CHECKED	MCB	DORSEY HALL	3 of 3
DATE	APRIL 1987	SECTION 2 AREA 2	JOB NO. 87-001
		2nd ELECTION DISTRICT	FILE NO. 87-001SE
		HOWARD COUNTY, MARYLAND	
		FOR: CONSOLIDATED HOME BUILDERS, INC.	
		8950 Route 108	
		Columbia, Maryland 21045	

SDP-87-198

**TRAP NO. 1 (S.O. ST. V)**

D.A. = 1.74 Acres  
 Storage Required = 3,134 of  
 Storage Provided = 3,136 of  
 Top of Stone Crest = 355.0  
 Bottom Elevation = 350.0  
 Bottom Dimension = 24' x 24'  
 Storage Depth = 4'  
 Clean Out Elevation = 352.0



**LEGEND**

- Contour Interval 2 Ft
- Existing Contour - - - - -
- Proposed Contour - - - - -
- Spot Elevation +74.2
- Direction of Drainage →
- Walk Out Basement
- Straw Bale Dike/Silt Fence
- Earth Dike
- Stabilized Construction Entrance

**NOTE:**  
 Existing Contours For Lots B-35, B-82 & B-87  
 Are Taken From Proposed Grading Plans  
 Prepared by Century Engineering Inc. F-82-217

**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.

*Jeffrey Schwab*  
 Date 4/7/87

DORSEY HALL SECTION 2 AREA 2  
 PLAT G332  
 ZONED R.S.C.

DORSEY HALL SECTION 2 AREA 2  
 PLAT G332  
 ZONED R.S.C.

DORSEY HALL SECTION 2 AREA 2  
 PLAT G332  
 ZONED R.S.C.

DORSEY HALL SECTION 2 AREA 2  
 PLAT G335  
 ZONED R.S.C.

Reviewed for HOWARD COUNTY S.C.D.  
 and meets all requirements  
*Howard County* 5-27-87  
 U.S. Soil Conservation Service

**DEVELOPER'S/BUILDER'S CERTIFICATE**  
 "I/We certify that all development and construction will be done according to this plan and plan for erosion and sediment control and that all work involved in the construction project will have the approval of the U.S. Dept. of Natural Resources Agency. This plan is submitted to the U.S. Soil Conservation District for their approval. I/We also authorize periodic on-site inspection by the U.S. Soil Conservation District or their authorized agents, as are deemed necessary."  
*Draw Sikorski* 4-7-87  
 Signature of Developer/Builder Date

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

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT <i>James M. ...</i> DATE 6-5-87
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING <i>John W. ...</i> DATE 6-4-87
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>William D. ...</i> DATE 6-1-87

5-7-87  
*[Signature]*

<b>CLARK • FINEFROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400	
DESIGNED MCB	SCALE 1" = 30'
DRAWN LAI	DRAWING 2 of 3
CHECKED BAL	JOB NO. 87-001
DATE APRIL 1987	FILE NO. 87-001SE
SEDIMENT & EROSION CONTROL PLAN LOTS B-12, B-14 THRU B-17, B-35, B-82 & B-87 <b>DORSEY HALL</b> SECTION 2 AREA 2 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR CONSOLIDATED HOME BUILDERS, INC 8950 Route 108 Columbia, Maryland 21045 <b>SDP-87-198</b>	