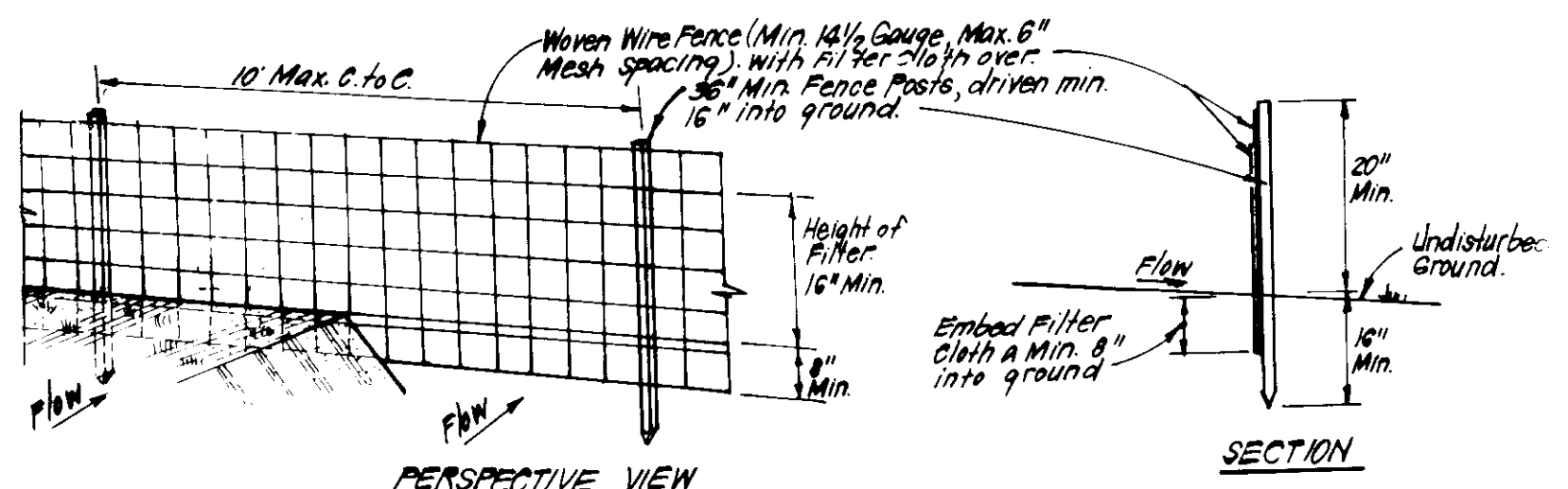


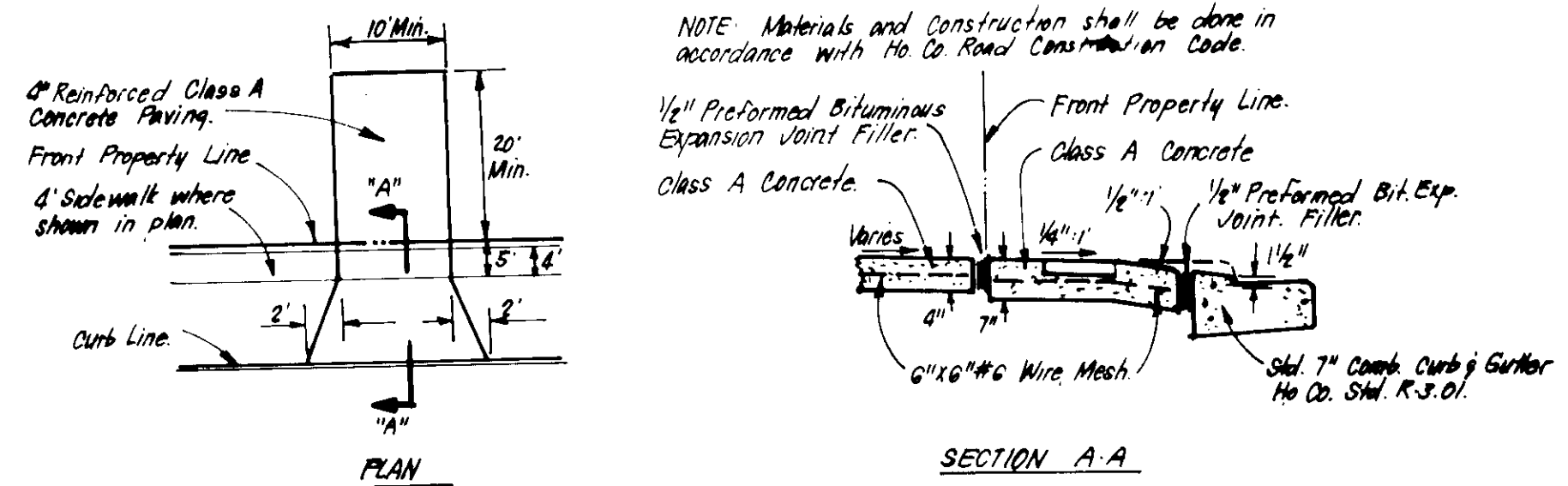
- CONSTRUCTION SPECIFICATIONS:**
- Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
  - Each bale shall be embedded in the soil a min. of 2" and placed so the bindings are horizontal.
  - Bales shall be securely anchored in place by either 2 stakes or re-bars driven thru the bale. The 1st stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
  - Inspection shall be frequent and repair/replacement shall be made promptly as needed.
  - 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)**  
NO SCALE



- CONSTRUCTION SPECIFICATIONS:**
- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
  - Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
  - When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and stapled.
  - Maintenance shall be performed as needed and material removed when bulges develop in silt fence.
- POSTS: Steel, either T or U Type or 2" Hardwood  
FENCE: Woven Wire, 1 1/2 Gauge  
6" Max. Mesh Opening  
FILTER CLOTH: Filter, Miraflex 100X, Stabilink, T140N or Approved  
PREFABRICATED UNIT: Geotex, Envirofence, or Approved equal

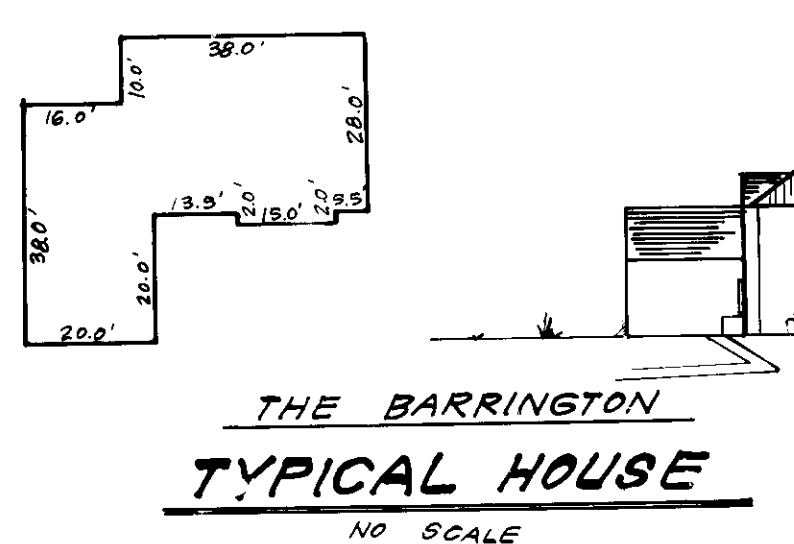
**SILT FENCE DETAIL (S)**  
NO SCALE



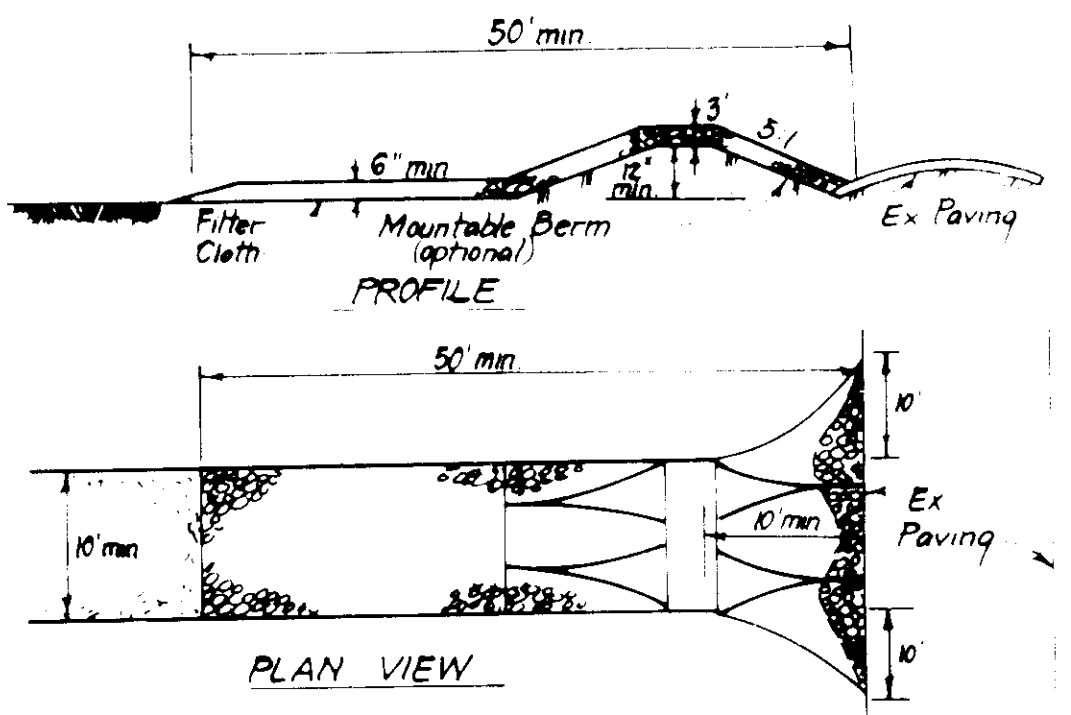
**DRIVEWAY ABUTTING STD. 7" COMB. CURB & GUTTER**  
NO SCALE

**LEGEND**

- Contour Interval 2 FT.
- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Drainage
- Ex. Trees to be Saved
- Straw Bale Dike
- Silt Fence
- Stabilized Construction Entrance
- Walk-Out Basement

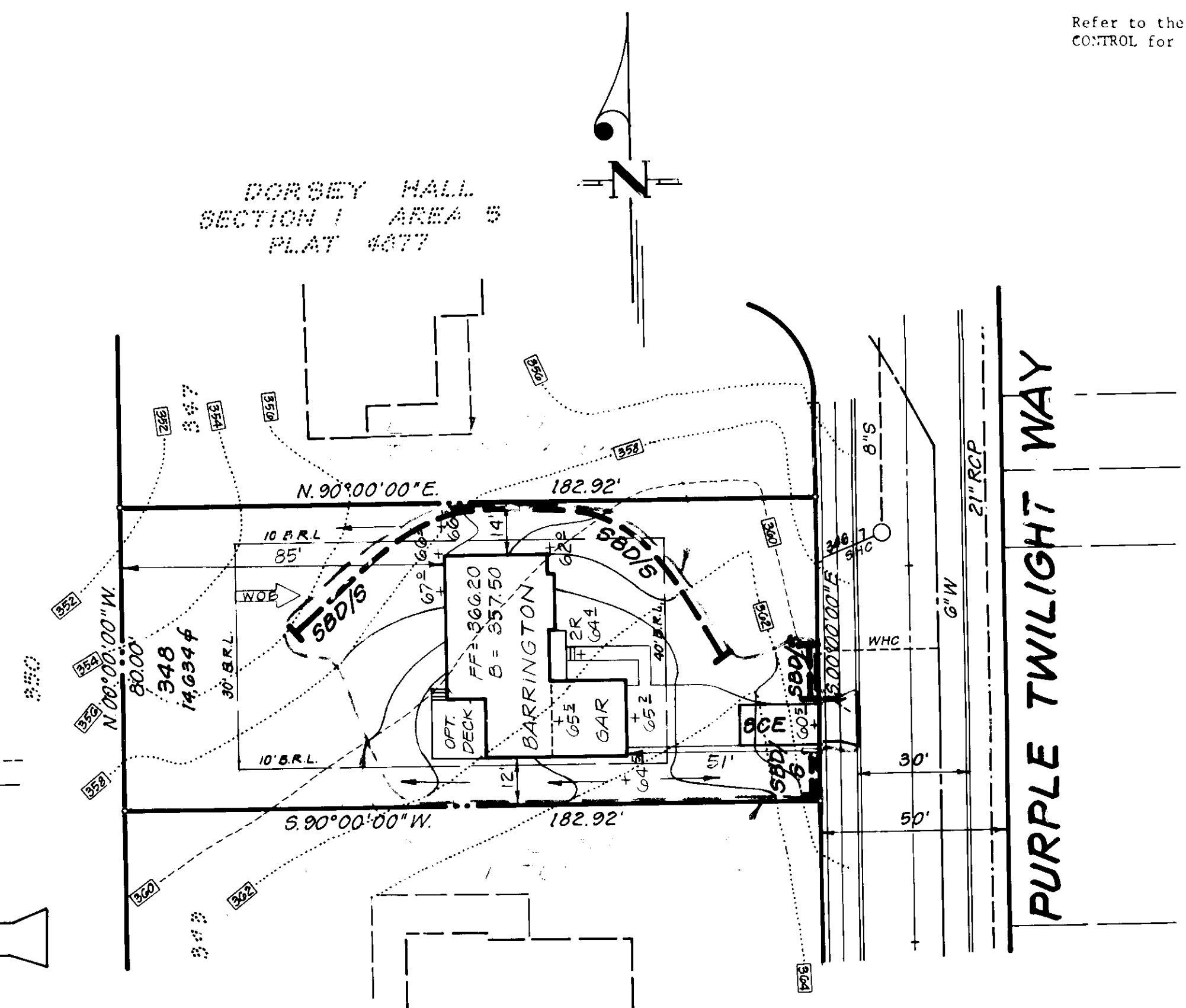


**THE BARRINGTON TYPICAL HOUSE**  
NO SCALE



- CONSTRUCTION SPECIFICATIONS:**
- Stone size - Use 2" stone or reclaimed or recycled concrete equipment.
  - Length - As required, but not less than 50 feet, except on a single residence where a 30 foot minimum length would apply.
  - Thickness - Not less than six (6) inches.
  - Width - Ten (10) foot 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 a single family residence lot.
  - 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 5:1 slopes will be permitted.
  - 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 as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
  - 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.
  - Periodic inspection and needed maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE (SCE)**  
NO SCALE



**DORSEY HALL SECTION 1 AREA 5 PLAT 4877**

**GENERAL NOTES**

- The Land included in this plan is zoned: R-20
- All coordinates are extensions made from the Maryland State Plane Coordinate System. Bearings refer to true north and are based on Maryland Bureau of Control Surveys Point "Columbia Reset 1966" N 512095.04 E 840139.78
- Tax Map No. 42
- All Roadways are Public and Existing.
- Any damage to county owned rights-of-way shall be corrected at the Developer's expense.
- Total No. of Lots: 1
- Storm Water management provided in Central Facility. See Dorsey Hall, Section 5 Area 1, F-81-27.

NOTE: Approved Road Construction Plans shall be used for Installation of Public Utilities. Public Water and Sewer shown for reference only. See Water and Sewer Plans, Contract 24-0904-D.

NOTE: The contractor or developer shall contact the Construction Inspection Division, 24 hours in advance of commencement of work @ 792-2630.

**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.

*G. Nelson*  
G. Nelson  
2-13-86  
Date

**DEVELOPER'S/BUILDER'S CERTIFICATE**

I hereby certify that all development and construction will be done according to this plan and that the plan for erosion and sediment control and stabilization is 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.

*Christopher O. Stubbs*  
Christopher O. Stubbs  
2-13-86  
Date

Reviewed for Howard County and meets Technical Requirements for SOIL EROSION AND SEDIMENTATION IN ROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT  
*Janet M. Williams*  
2/12/86  
Date

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENTATION IN ROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT  
*Stephen*  
Approved  
Date

**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, discing 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. 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).
- 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 (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 15 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 (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.

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 2 1/2 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 (.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.

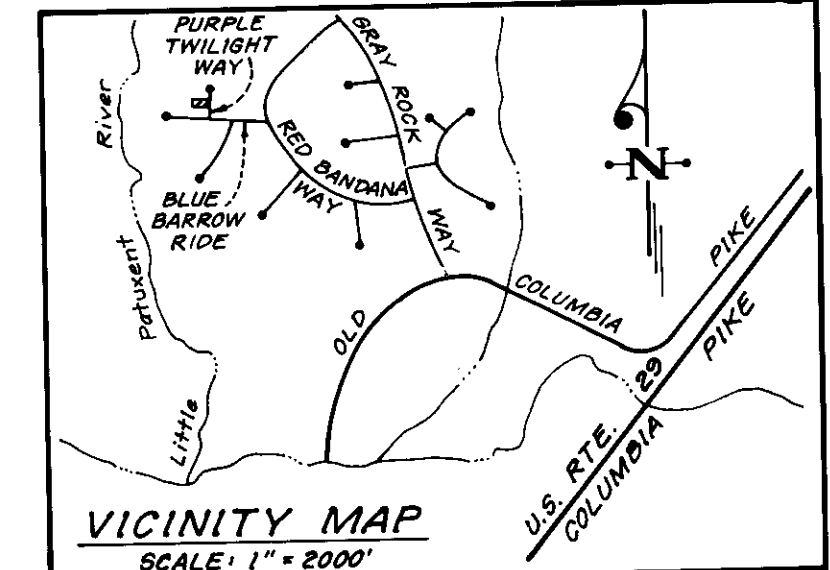
**Mulching -** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, 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.

**SEDIMENT CONTROL NOTES**

- 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)
- All vegetative and structural practices are to be installed according to the provisions of this plan and 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 3:1, 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 12, 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 seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization using 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 0.336 Acres  
Area Disturbed 0.197 Acres  
Area to be roofed or paved 0.065 Acres  
Area to be vegetatively stabilized 0.132 Acres  
Total Cut 216 Cu. yds  
Total Fill 284 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 DPW 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 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.
- If houses are to be constructed on an "As-Sold" basis, 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).
- The total amount of straw bale dikes/silt fence equals 175 L.F.

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.		10
C. Construct structures, sidewalks and driveways.		40
D. Final Grade and stabilize in accordance with Stds. and Specs.		10
E. Upon approval of the sediment control inspector, remove sediment and erosion control and stabilize.		5



LOT No.	STREET ADDRESS
348	4209 Purple Twilight Way

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
DORSEY HALL	1/5	348

PLAT No./L/F	BLOCK #	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
4877	21	R-20	24	2nd	6023-01

WATER CODE	SEWER CODE
F08	5830000

3-12-86  
A/SFO

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
*James B. Jones*  
3-27-86  
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*James M. Williams*  
3-31-86  
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Stephen*  
3-31-86  
DATE

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

DESIGNED	JME	SCALE
JLS		1" = 30'

**SITE DEVELOPMENT AND EROSION CONTROL PLAN**  
LOT 348  
**DORSEY HALL**  
SECTION 1 AREA 5  
2nd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

DRAWN	LAI	DRAWING
JME		1 of 1

CHECKED	JME	JOB NO.
JME		86-016

DATE	FOR	FILE NO.
2-10-86	FOR CHRIS STUBBS, INC GORMAN PLAZA, 8950 RTE. 108, STE. 104 COLUMBIA, MARYLAND 21045	36-016-X

**SDP-86-164**