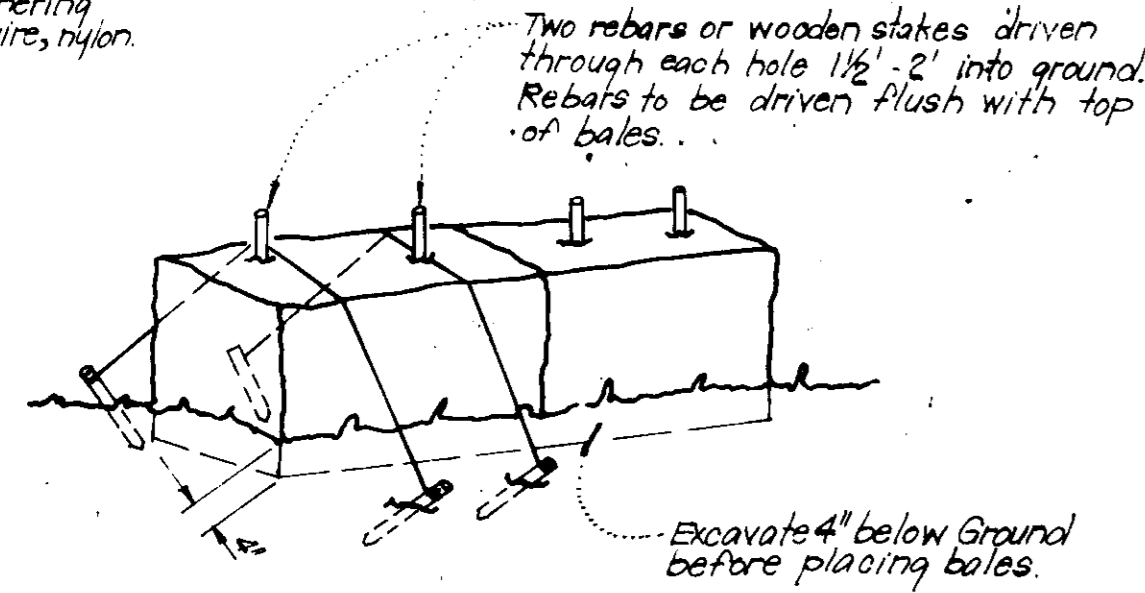
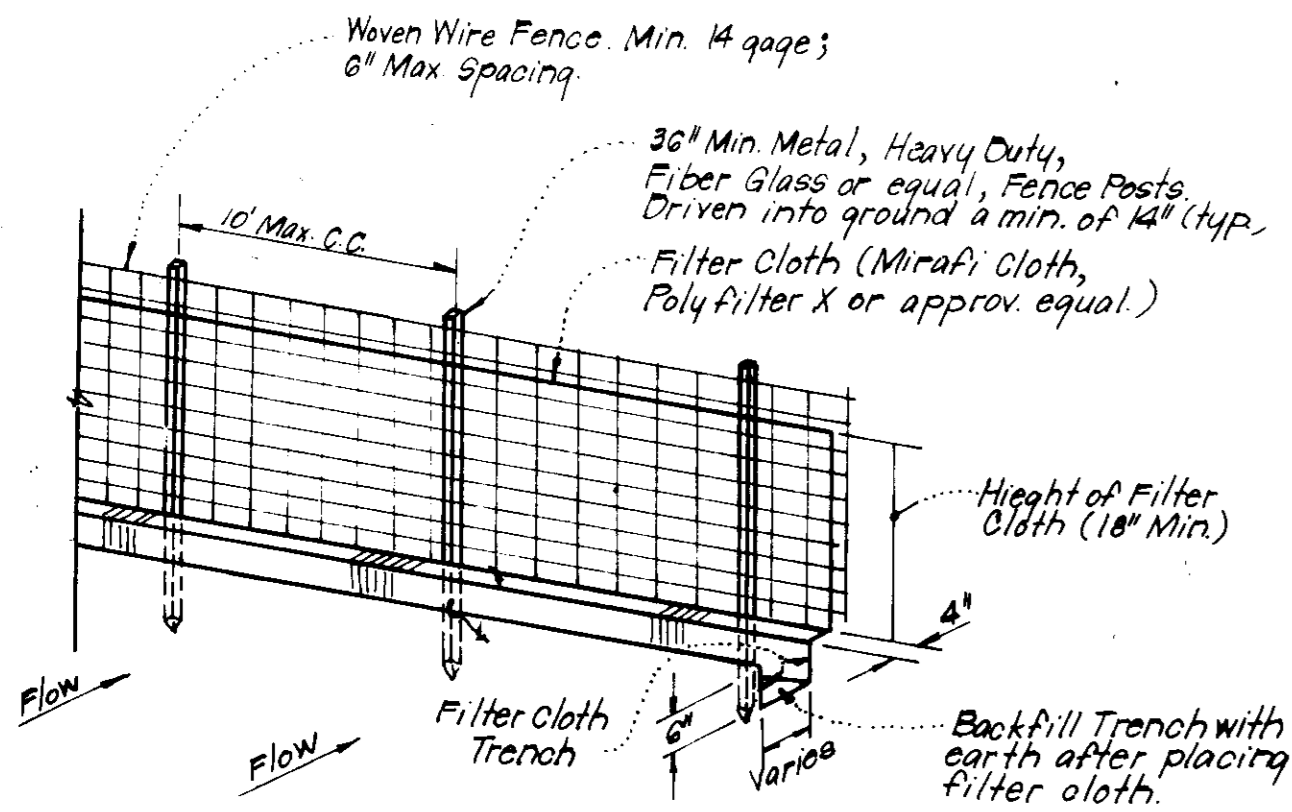


All bales shall be tied with non-weathering materials, i.e. wire, nylon.



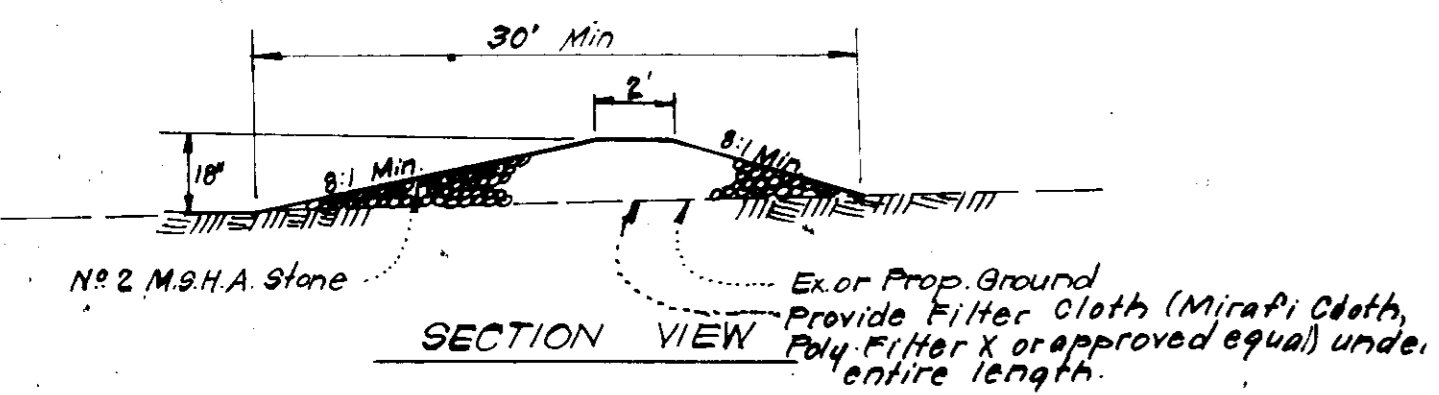
Note:  
1. In lieu of the use of rebars each straw bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).

**TYPICAL STRAW BALE DIKE DETAIL (S.B.D.)**  
No Scale

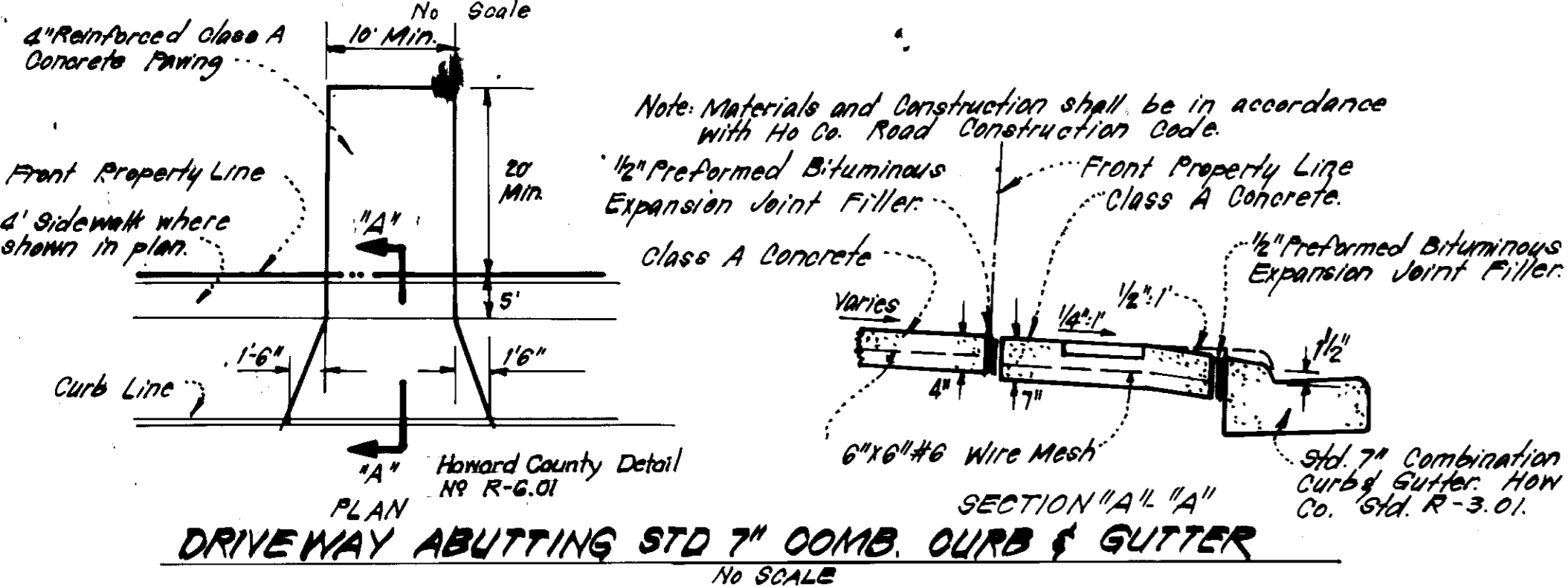


Notes:  
1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.  
2. Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24\"/>

**TYPICAL SILT FENCE DETAIL (S.F.)**  
No Scale

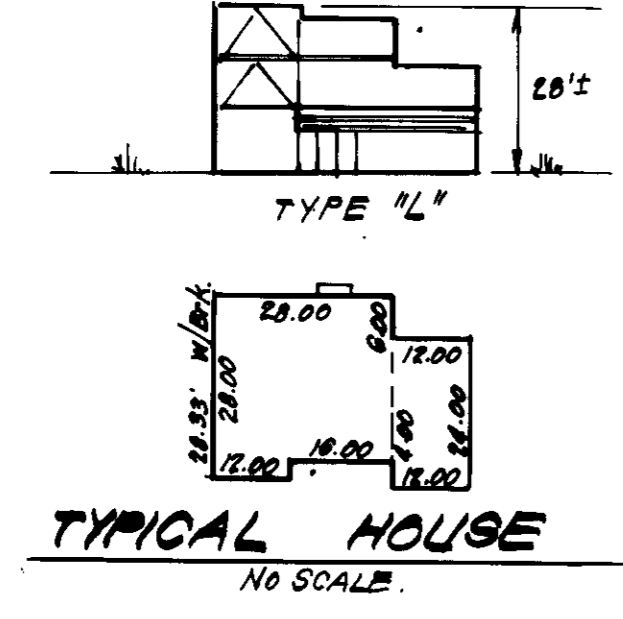


**STONE CONSTRUCTION ENTRANCE DETAIL (S.C.E.)**  
No Scale

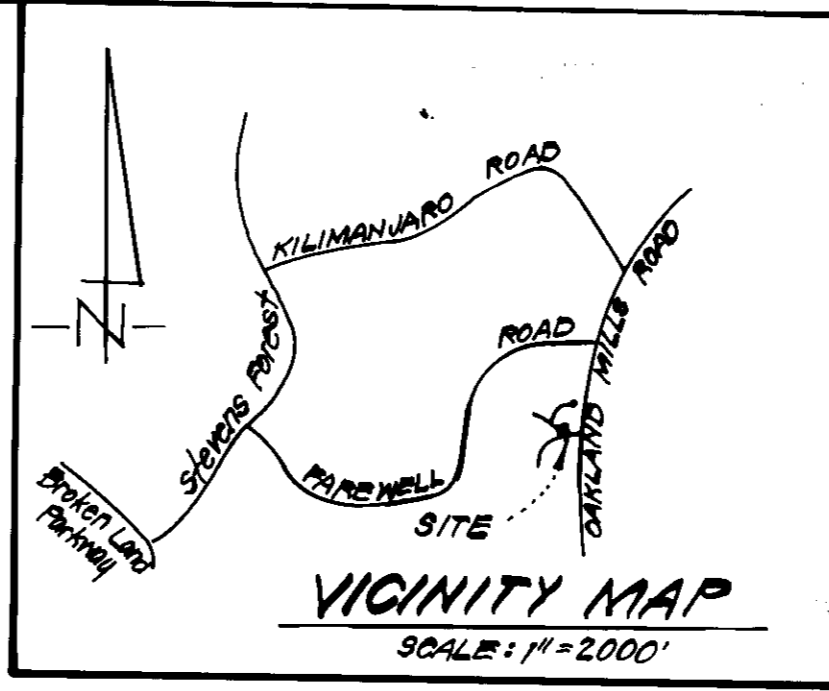


**DRIVEWAY ABUTTING STD 7\"/>**

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 10-23-81  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 10-26-81  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 10-31-81  
 CHIEF BUREAU OF ENGINEERING



**TYPICAL HOUSE**  
No Scale



**SEDIMENT & EROSION CONTROL NOTES**

- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
- All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See note #6 for stabilization except that the seed mixture will be annual rye applied at a rate of 1.4 lbs/1000 sq ft.
- Notify the Bureau of Inspections and Permits at least 24 hrs before starting any work.
- All Sediment Control Practices to conform to the "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas" and shall be adjusted to meet actual field conditions.
- Stabilization of Disturbed ground to be done as soon after construction as possible.
- All disturbed area to be stabilized in accordance with the following Specifications:  
 A. Seed - certified 85% germination applied at the rate of 5 lbs/1000 sq ft. Mixture - 40% Kentucky Blue, 20% Drexling Fescue, 20% Kentucky 31 and 20% annual rye.  
 B. Fertilizer - 10-10-10 applied at a rate of 25 lbs/1000 sq ft. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 30 lbs/1000 sq ft.  
 C. Mulch - Weed free grain straw applied at a rate of 70-80 lbs/1000 sq ft. Mulch shall be secured to the ground by any approved method i.e.; asphalt tacks, chemical binder, etc.  
 D. All seed used shall be Maryland State Certified.
- All Structural Sediment Control Measures are to remain in place until permission for their removal has been obtained from the Bureau of Inspections and Permits.
- On-Site Inspection and Maintenance of all Sediment Control Measures including cleanout of Sediment Traps and dikes, and proper establishment of all planned vegetative measures will be the responsibility of the developer or his representative on the site, on a continuing day to day basis.
- It will be the developers responsibility to provide additional Sediment & Erosion Control Devices to protect stabilized areas during construction.
- The Contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.

**GENERAL NOTES:**

- The Land included in this plan is zoned: Res
- All coordinates are based on Howard County Control Station "Sewell."
- The area covered in this submission is located on Tax Map #36
- All roadways are public if existing.
- Any damage to county owned rights of way shall be corrected at the Developers expense.

**LEGEND:**

- Contour Interval 2 Ft.
- Existing Contour
- Proposed Contour 410
- Spot Elevation +105
- Direction of Drainage
- Straw Bale Dike or Silt Fence
- Stone Construction Entrance

11. Total Amount of Straw Bales or Silt Fence shown = 210 LF

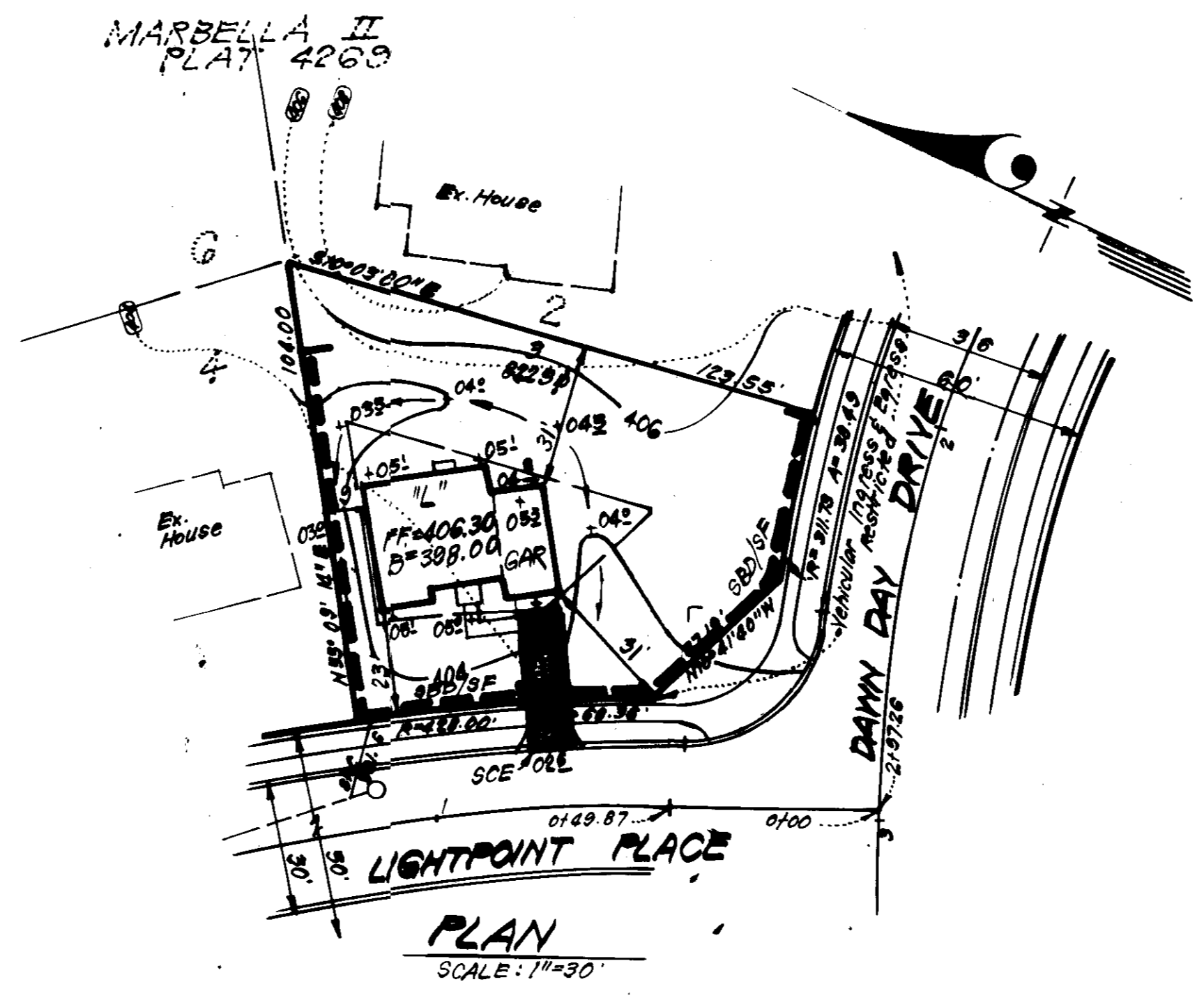
**12. SITE ANALYSIS:**

A. Total Area:	0.189	Acres
B. Area to be Roofed:	0.024	Acres
C. Area to be Paved:	0.008	Acres
D. Area to be Seeded:	0.157	Acres
E. Area Undisturbed:	0	Acres

**13. CONSTRUCTION SEQUENCE:**

- Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes.
- Excavate for Foundations and Rough Grade.
- Erect Structures, Driveways and Sidewalks.
- Final Grade and Stabilize in accordance with note #6.

14. Approval of this plan is conditional upon the approval of Sediment Control Plan for the off-site waste or borrow area prior to the import of any borrow or export of waste to or from this site.



APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 9-29-81  
 JUM

Reviewed for Howard S.C.D.  
 Name  
 and meets Technical Requirements  
 Signature Date  
 U.S. Soil Conservation Service

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

William J. [Signature] 10-14-81  
 Approved Date

**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."

B. James [Signature] 9-1-81  
 Signature of Developer/Builder Date

**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 Clark 8-30-81  
 Date



Plot Reference: Plot No. 4269, Marbella II.

CLARK • FINEFROCK & SACKETT  
 ENGINEERS • PLANNERS • SURVEYORS  
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 563-3400

DESIGNED: JME  
 DRAWN: K.W.  
 CHECKED: JME  
 DATE: 8-28-81

SITE DEVELOPMENT PLAN & SEDIMENT & EROSION CONTROL PLAN LOT 3

MARBELLA II  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

FOR: COLUMBIA BUILDERS, INC.  
 606 AMERICAN CITY BLDG.  
 COLUMBIA, MD 21046