

- SEDMENT 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 vegetation 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.
 - 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, 5:1 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. 31) and (Sec. 32), temporary seedings (Sec. 50) and mulching (Sec. 52.) Temporary stabilization with mulch alone can only be done when recommended seeding rates 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: 0.437 Acres
 - Area Disturbed: 0.437 Acres
 - Area to be roofed or paved: 0.11 Acres
 - Area to be vegetatively stabilized: 0.327 Acres
 - Total Cur: 9 Cu. Yds
 - Total Fill: 250 Cu. Yds
 - Offsite Water/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 DPM 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 a "3:1" basis, at random, Single Lot Sediment Control, as shown below shall be implemented. N/A
 - All pipes to be blocked at the end of each day (see detail below). N/A
 - The total amount of straw bale dike/silt fence equals 250 L.F.

SPECIAL NOTES

- Approved Road Construction Plans shall be used for all public utilities.
- Public Water and Sewer shown for reference only. For more detailed information, see Water & Sewer Plans Contract No. 34-0908-D.
- The water and sewer house connections not included in a "Developer's Agreement", shall conform to Howard County Plumbing Code. The on-site W/C shall be 1" copper and the S/C shall be 4" iron.

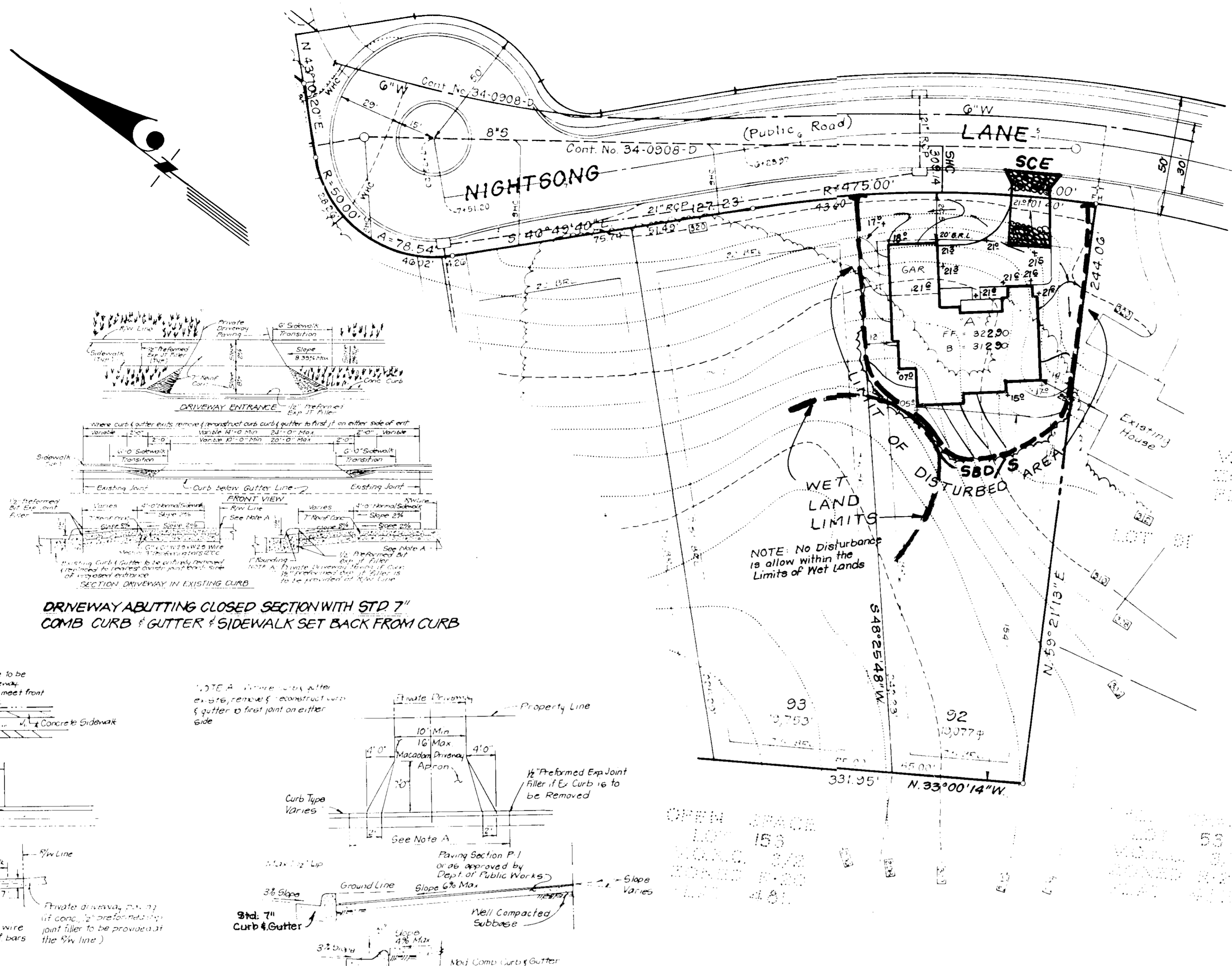
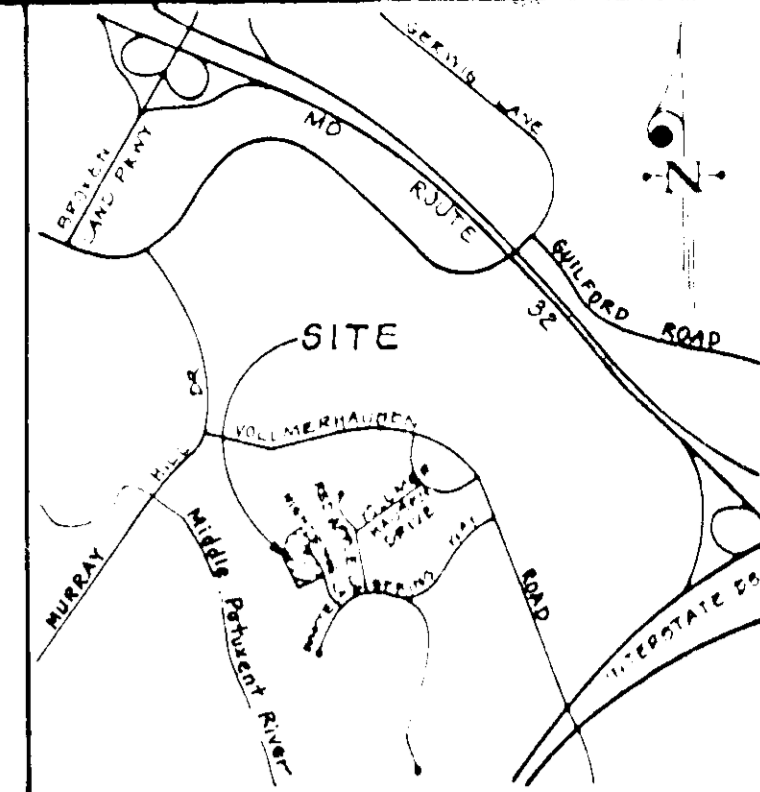
LEGEND

- Contour Interval: 2 Ft
- Existing Contour:
- Proposed Contour:
- Spot Elevation: +38±
- Direction of Drainage:
- Existing Trees to be Saved:
- Straw Bale Dike or Silt Fence:
- Stabilized Construction Entrance:

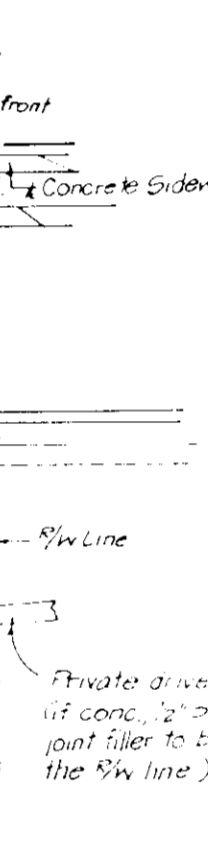
NOTE: STORM WATER MANAGEMENT PROVIDED UNDER F80-87

GENERAL NOTES

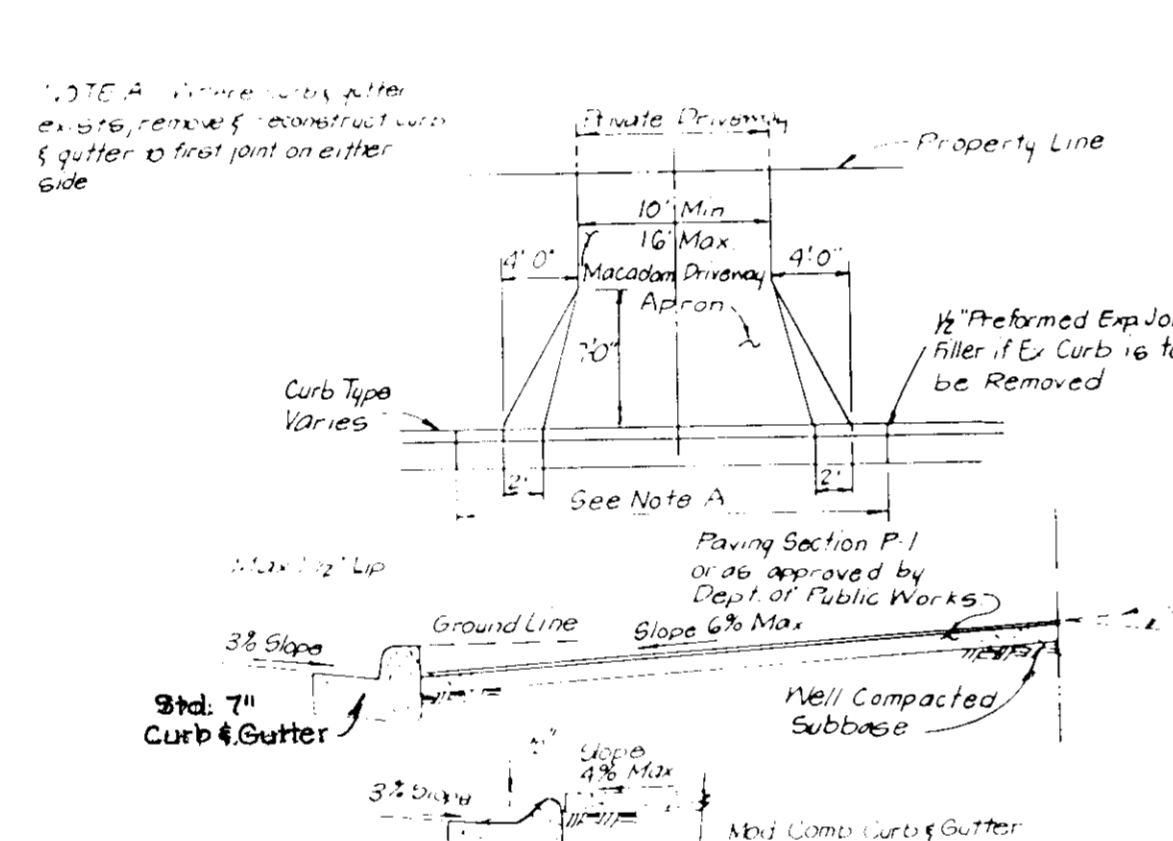
- The Land included is zoned NT5FLD
- Coordinates are based upon the Traverse controls from Columbia established by Maps, Inc. in 1965 and Purdom and Teschke in 1968, which controls were tied to the Maryland Bureau of control surveys monuments and to US Coast and geodetic survey monuments in the Columbia area.
- All roads are public and existing.
- Any damage to County owned rights-of-way to be corrected at the Developer's expense.
- See Howard County File No. F 88-274.
- The total area included is 0.437 Acres.
- The total number of Lots is: 1
- The contractor/developer shall contact the Construction Inspection/Survey Division 24 hours in advance of commencement of work at 792-2630.
- Maximum building coverage is 30% per lot. Existing topography was field run by Clark, Finebrock & Sackett, Inc.
- Minimum building setback restrictions from property lines and right of way of any public road or street to be in accordance with the recorded final development plan criteria, Phase 1G9-A-1 Part II.



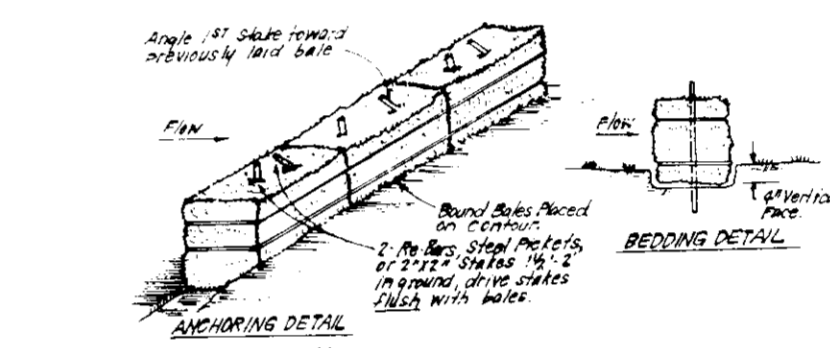
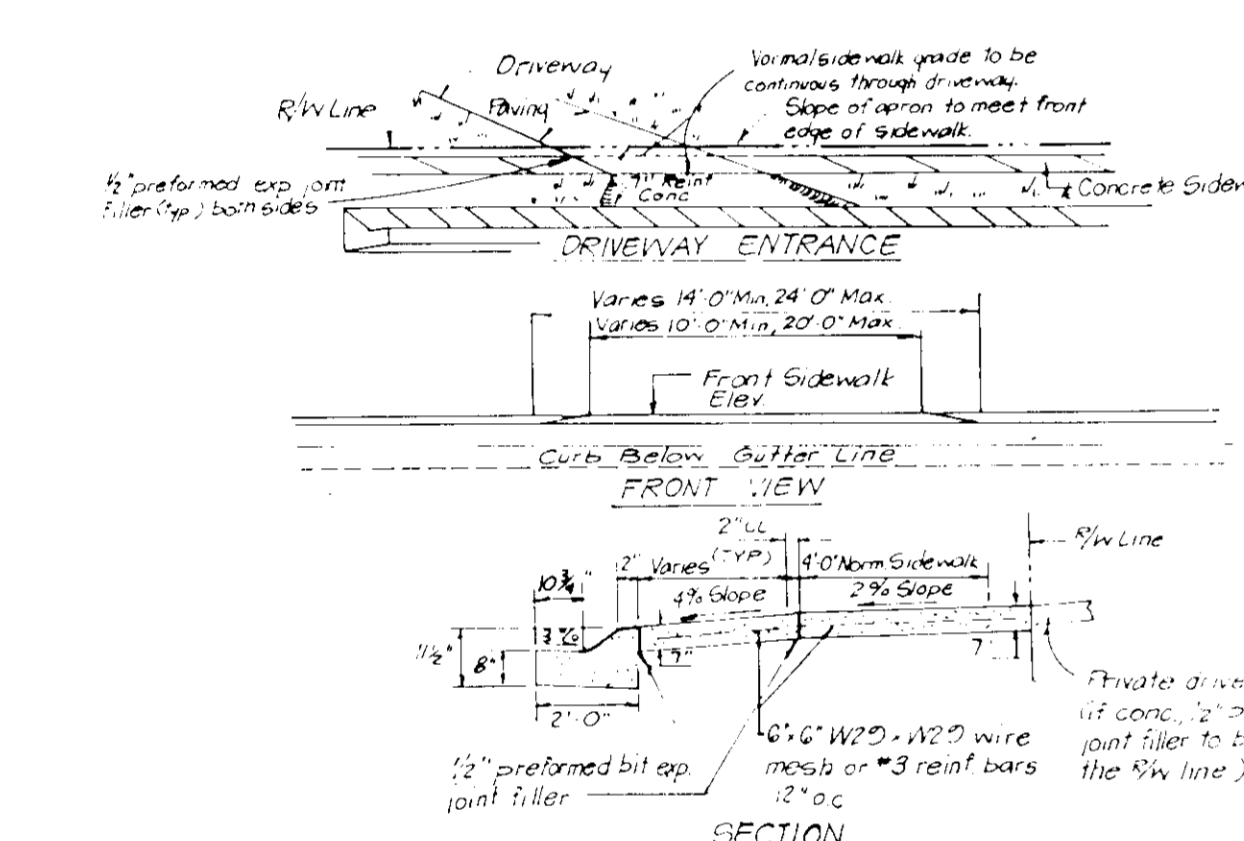
DRIVEWAY ABUTTING CLOSED SECTION WITH STD 7" COMB CURB & GUTTER & SIDEWALK SET BACK FROM CURB



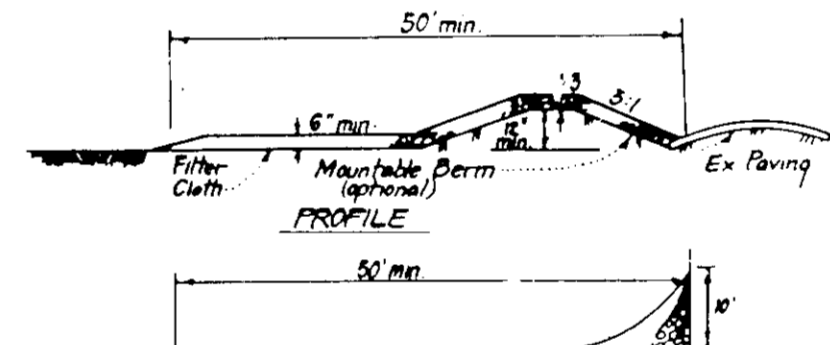
DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK



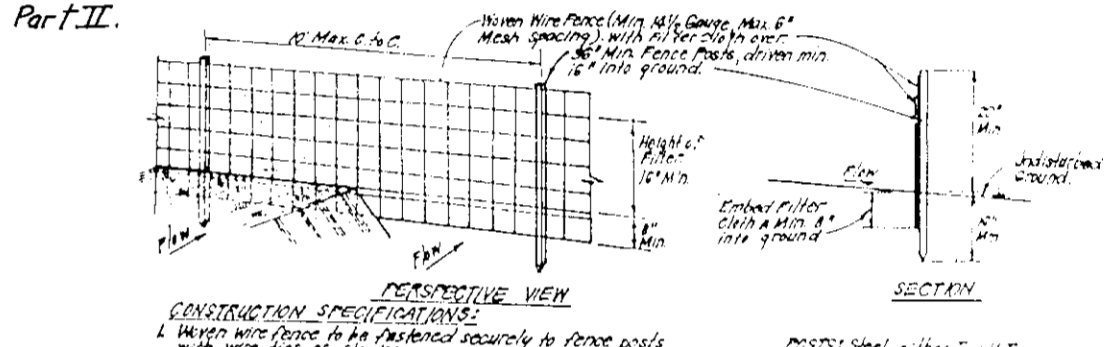
DRIVEWAY ABUTTING CLOSED SECTION WITH MODIFIED COMB CURB & GUTTER & SIDEWALK



STRAW BALE DIKE DETAIL (SBD)



SILT FENCE DETAIL (S)



CONSTRUCTION SEQUENCE:

A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	NO OF DAYS
B. Excavate for Foundations and Rough Grade of Temporarily Stabilize.	5
C. Construct Structures, Sidewalks and Driveways.	30
D. Final Grade and stabilize in accordance with Stds. A, Specs. 30	60
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	30
	14

ADDRESS CHART

LOT No.	STREET ADDRESS
92	9521 Nightsong Lane

DEVELOPER'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 reasonable 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. I/We authorize periodic on-site inspections by the Howard Soil Conservation District or their authorized agents.

Chris Stubbbs 12-29-88
 Chris Stubbbs
 Director of Development

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Erosion and Sediment Control is a professional and verifiable plan and that it complies with all applicable laws, regulations and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

G. Nelson Clark 12-28-88
 G. NELSON CLARK
 DATE



Apply to seeded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeding Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

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 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).
- 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) 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 untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 3 1/2 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 redisturbed where a short-term vegetative cover is needed.

Seeding Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

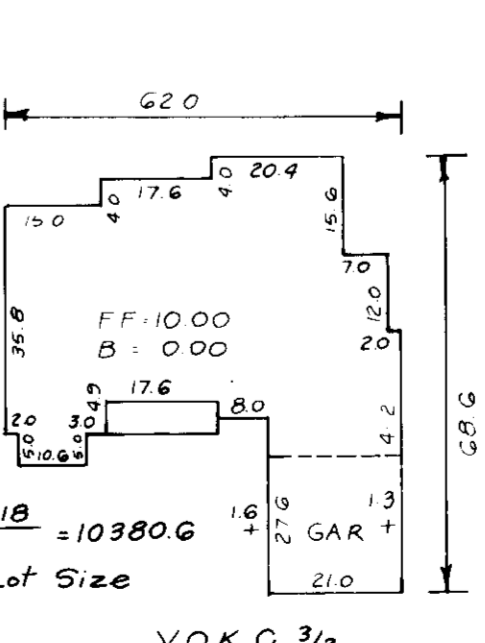
Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushel per acre of annual ryegrass (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 15, 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.

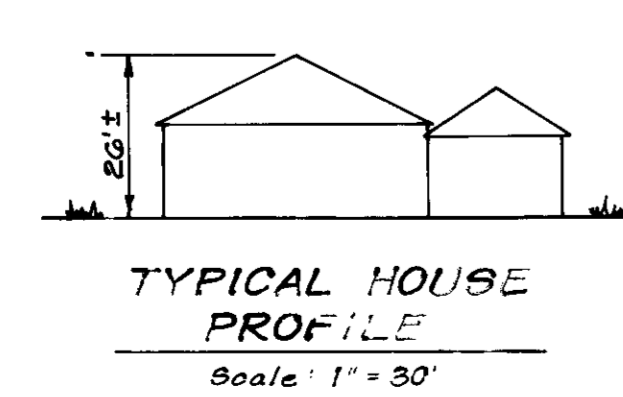
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Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

STABILIZED CONSTRUCTION ENTRANCE (SCE)



TYPICAL HOUSE



Approved for HOWARD S.C.D. and meeting all requirements of the U.S. Soil Conservation Service

John M. Sackett 12/3/88
 John M. Sackett
 U.S. Soil Conservation Service

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

Chris Stubbbs 12/3/88
 Chris Stubbbs
 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

John M. Sackett 12/3/88
 John M. Sackett
 COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

Chris Stubbbs 3/23/89
 Chris Stubbbs
 PLANNING DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Chris Stubbbs 3/8/89
 Chris Stubbbs
 CHIEF BUREAU OF ENGINEERING

CLARK • FINEBROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED: JME
 DRAWN: LAI/BAW
 CHECKED: JME
 DATE: Dec. 1988

SITE DEVELOPMENT SEDIMENT CONTROL PLAN
 LOT 92
COLUMBIA
 VILLAGE OF KINGS CONTRIVANCE
 SECTION 3 AREA 2
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: CHRIS STUBBS, INC.
 P.O. Box 2030
 Columbia, Md. 21045

SCALE: 1" = 30'
 DRAWING: 1 of 1
 JOB NO: 88-066
 FILE NO: 88-016