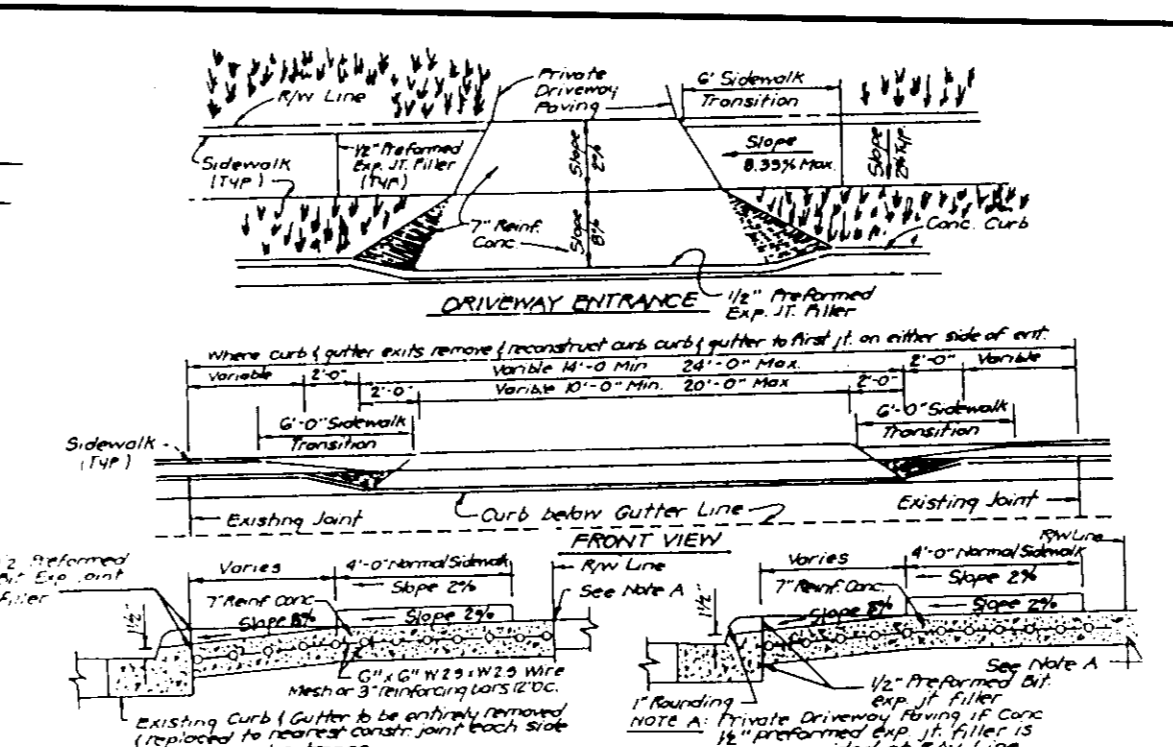
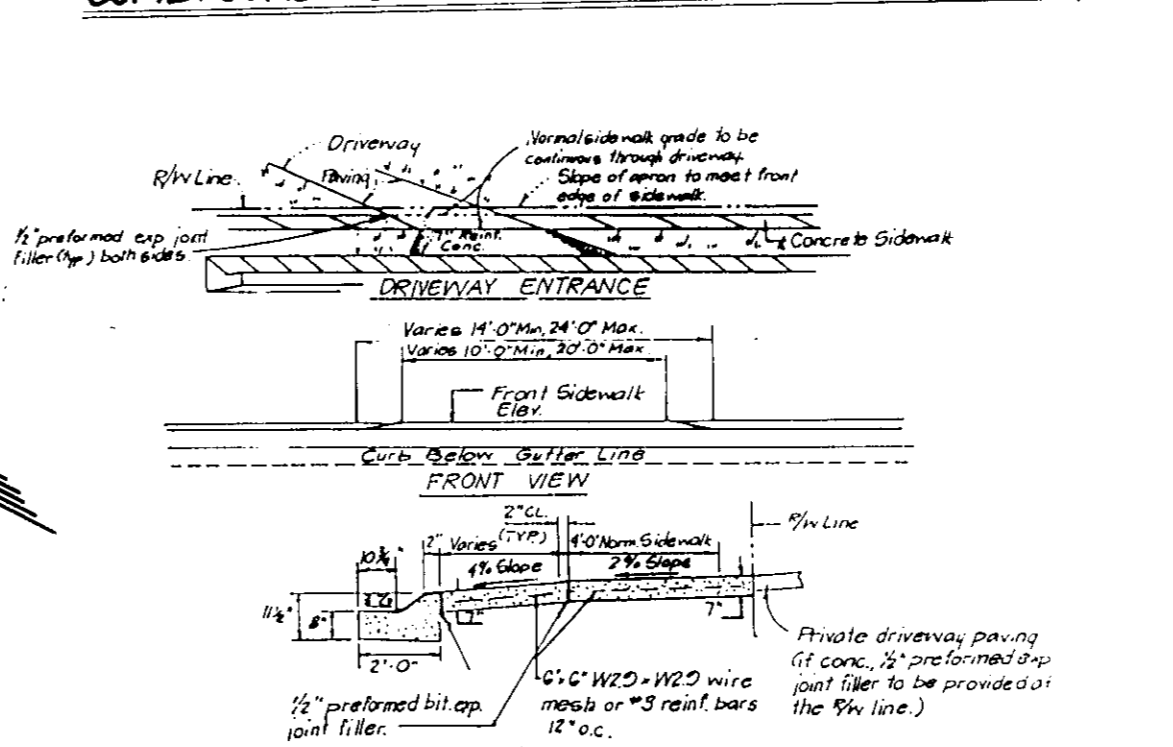


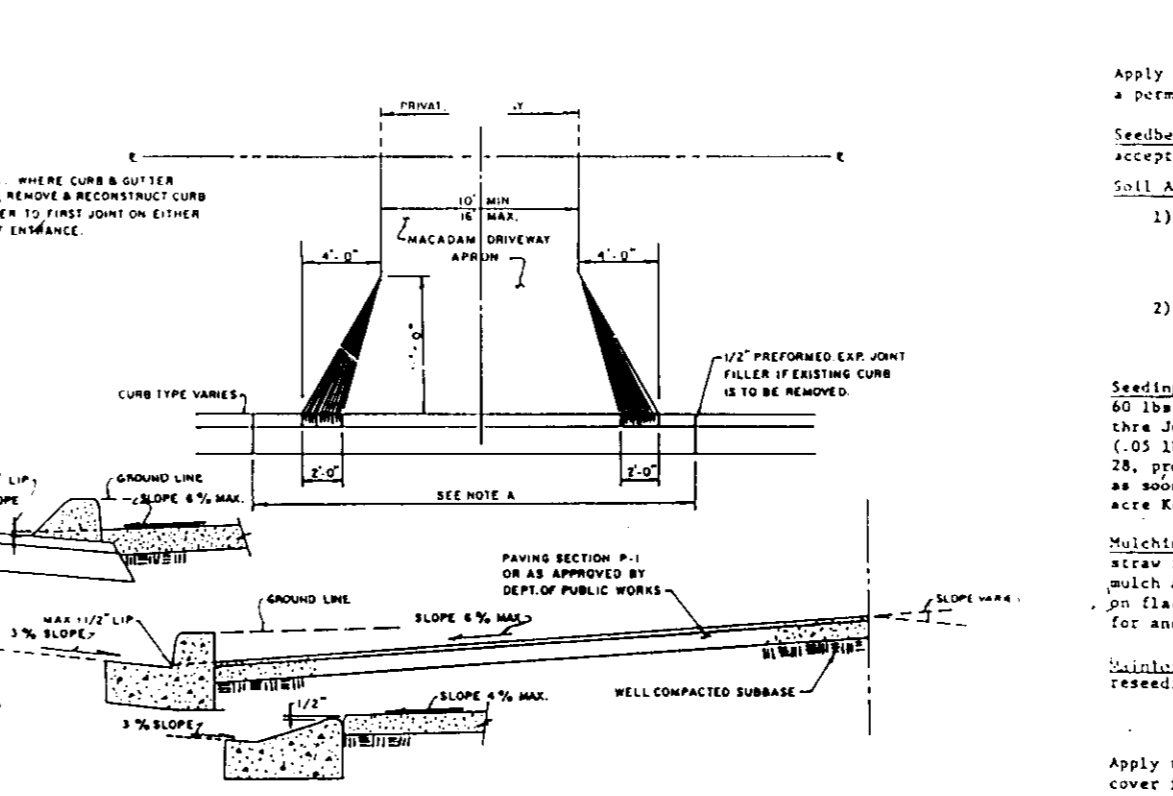
- LEGEND:**
1. Contour Interval 2 FT.
  2. Existing Contour
  3. Proposed Contour
  4. Retaining Walls (Timber)
  5. Existing Trees to be saved
  6. Spot Elevation
  7. Direction of Drainage
  8. Stabilized Construction Entrance
  9. Silt Fence
  10. Walk out Basement
  11. Earth Dike
  12. Tree Protection Fence
- VINCENT PIRRO  
345 / 121



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

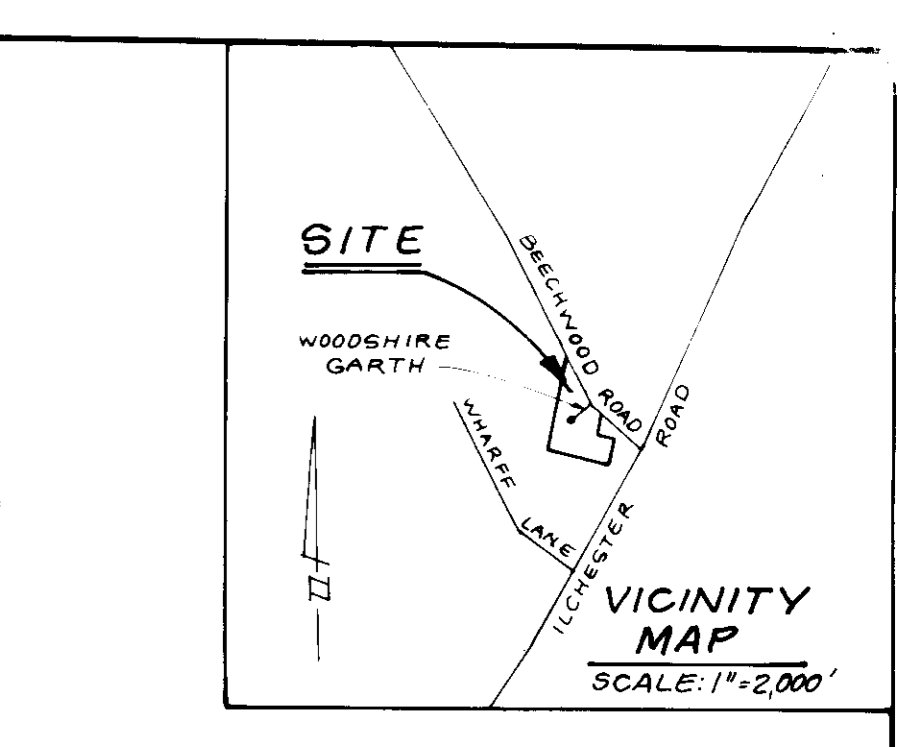


DRIVEWAY ABUTTING CLOSED SECTION WITH MODIFIED COMB CURB & GUTTER & SIDEWALK

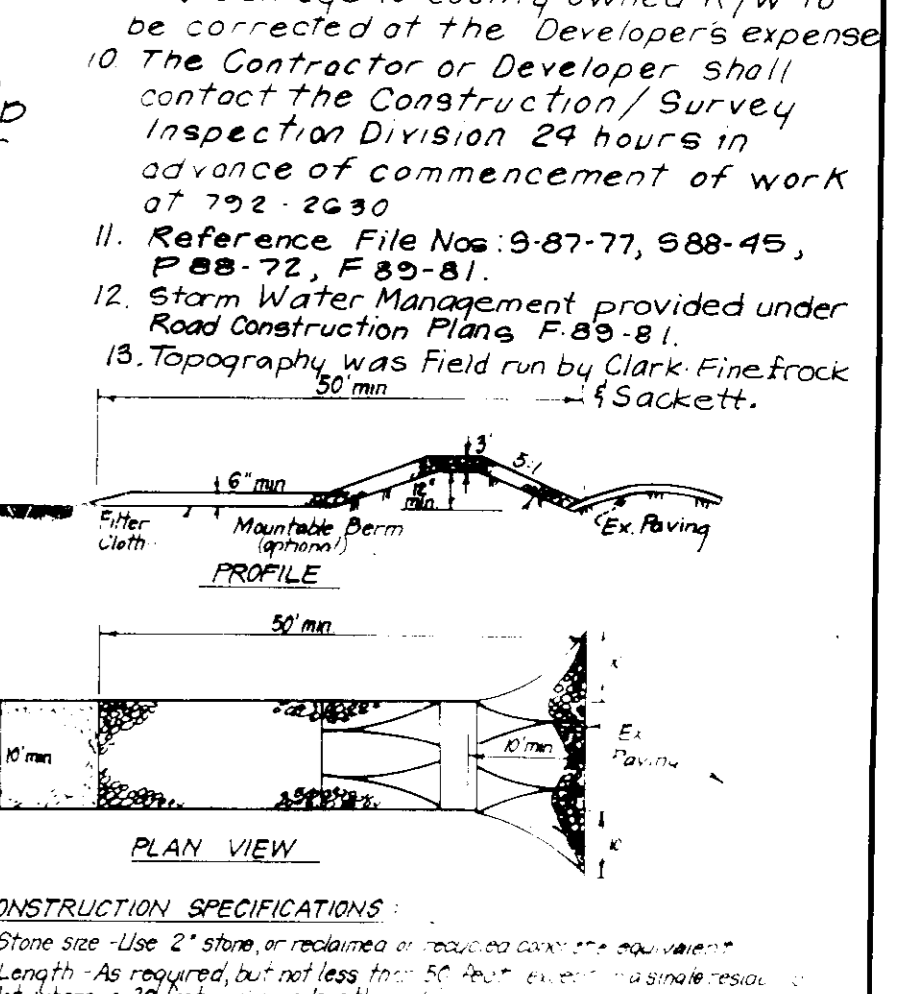


TYPICAL TREE PROTECTION FENCE DETAIL

- SEDIMENT CONTROL NOTES**
1. A minimum of 14 hours notice must be given to the Howard County Office of Inspection and Permits 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 compliance 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 2:1; 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 restituted within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent stabilization (Sec. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with such slope 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: 2.15 Acres
    - Area Disturbed: 0.24 Acres
    - Area to be seeded or paved: 2.7 Acres
    - Area to be vegetatively stabilized: 0.67 Acres
    - Total Cut: 3635 Cu. Yds.
    - Total Fill: 1111 Cu. Yds.
    - Offsite waste/borrow area location: \*
  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 DPM sediment control inspector.
  10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon the day of disturbance. Installation of perimeter control and sediment control, but before proceeding with any other earth disturbance or grading. Other building or grading inspection agencies may not be authorized until this initial approval by the inspection agency is made.
  11. If located on an "A-B-Side" basis, at the Howard County, Single Lot Sediment Control, as stipulated, 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 312 L.P.



- GENERAL NOTES**
1. Subject property zoned R-20 per Comprehensive Zoning Plan (C-2-85)
  2. Deed Reference: Liber 368, Folio 18
  3. The coordinates shown hereon are based on the Maryland State Grid System and Howard County Geodetic Control Point No. 2945002
  4. For flag or pipestem lots refuse collection, snow removal and road maintenance are provided to the junction of a flag or pipestem and road R/W line and not onto the flag or pipestem lot driveway
  5. waiver petition no. WP 88-07 March 8, 1988
  6. Total area of site: 2.146 Ac.
  7. Proposed use of site: Single Family 2.07 Acres
  8. Total number of lots: 4
  9. All damage to the owners R/W to be corrected at the owners expense
  10. The Contractor or Developer shall contact the Construction/ Survey Inspection Division 24 hours in advance of commencement of work 07 72-2030
  11. Reference File Nos: 9-87-77, 888-45, PAB-72, F 80-81
  12. Storm Water Management provided under Road Construction Plan PAB-81
  13. Topography was field run by Clark Finefrock & Sackett.



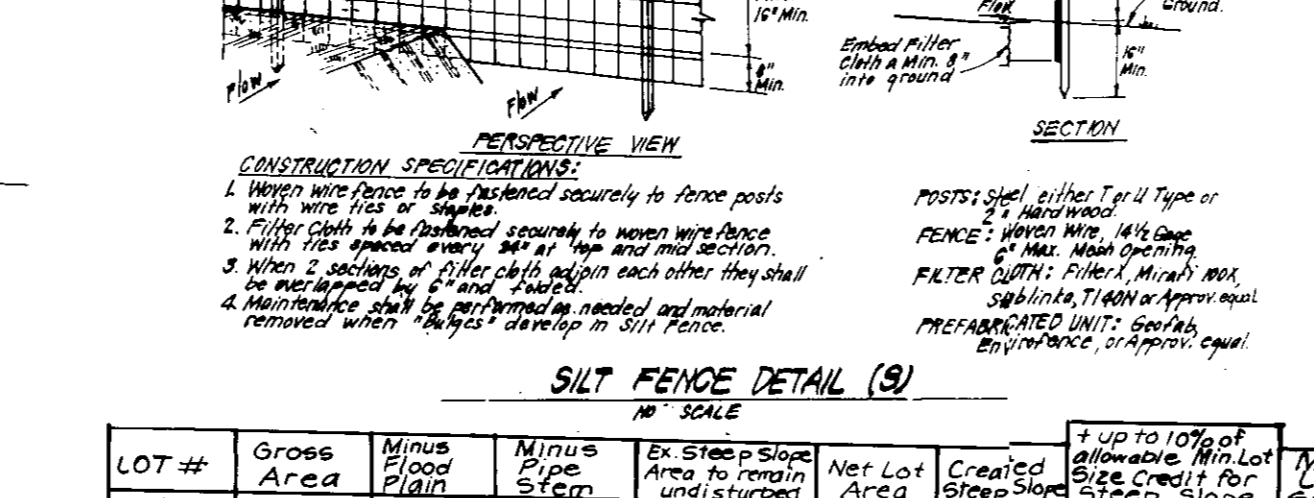
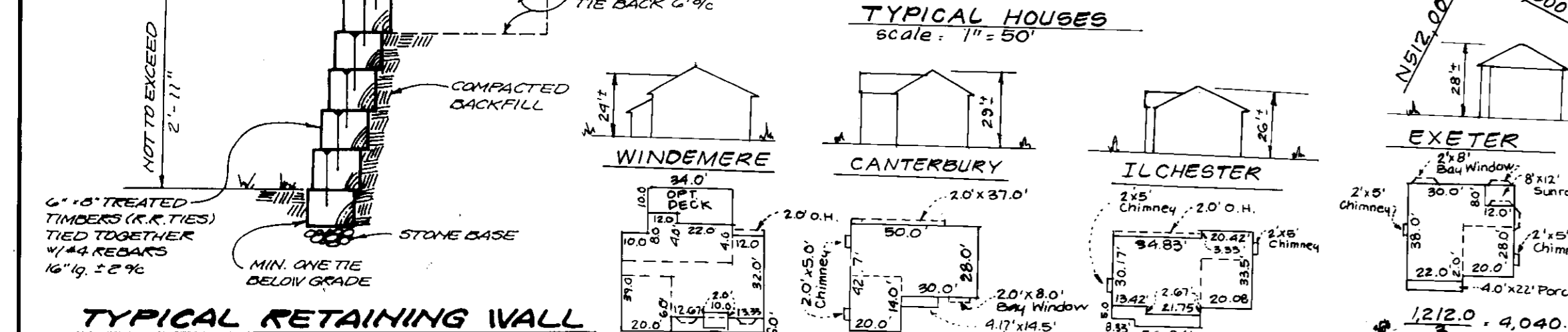
- CONSTRUCTION SPECIFICATIONS**
1. Stone Size - Use 2" stone or required as per the specification
  2. Length - As required, but not less than 50 feet. Minimum length 30 feet. Maximum length 100 feet. Where a 30 foot minimum length would occur, the length shall be increased to 30 feet.
  3. Thickness - Not less than six (6) inches
  4. Width - Ten (10) feet minimum, but not less than the width at points where dips or curves occur
  5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter cloth will be required on a slope of 2:1 or steeper.
  6. Surface Water - All surface water flowing or diverted toward construction entrance shall be piped across the entrance to a storm drain or a storm drain with 5:1 slopes will be permitted.
  7. Maintenance - The entrance shall be maintained in a condition, when the current tracking or paving of sediment into public rights of way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any materials used in the entrance. All sediment applied, stored, washed or tracked onto public rights of way must be removed immediately.
  8. Washing - Washing shall be used to remove sediment from the entrance onto public rights of way. When washing is required, it shall be done in 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.

- CONSTRUCTION SEQUENCE**
- | Item  | # OF DAYS |
|---|-----------|
| 1. Obtain Grading Permit and Install Sediment Control Devices and stabilize.                        | 7         |
| 2. Excavate for foundations and rough grade & temporarily stabilize.                                | 40        |
| 3. Construct Structures, Sidewalks and Driveways with Brds. and Specs.                              | 40        |
| 4. Final Grade and stabilize in accordance with Brds. and Specs.                                    | 40        |
| 5. Upon approval of the sediment control inspector, remove sediment & erosion controls & stabilize. | 7         |

**ADDRESS CHART**

LOT	STREET ADDRESS
1	4801 Woodshire Garth
2	4805 " "
8	4829 " "
15	4808 " "

Subdivision Name: Beechwood Heights  
 Block No: 10  
 Zone: R-20  
 Tax Map No: 81  
 Elec. Dist: 157  
 Census Tr: 6011  
 Water Code: 609  
 Sewer Code: 12594000



**SILT FENCE DETAIL (S)**

LOT #	Gross Area	Minus Flood Plain	Minus Easement	Ex. Stone to be Area to be retained	Net Lot Area	Created Slopes	# UP TO 10% of Slopeable Min Lot Area Credit for Slopes	MIN. LOT AREA
1	21,088.00	N/A	N/A	5,000.00	16,088.00	900.00	1,608.00	16,158.00
2	24,331.84	N/A	N/A	5,000.00	19,331.84	5,000.00	1,608.00	18,331.84
8	23,278.80	N/A	3,880.00	N/A	19,398.80	N/A	N/A	19,398.80
15	24,215.00	N/A	2,932.00	N/A	21,283.00	N/A	N/A	21,283.00

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: [Signature] DATE: 2/15/91

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 [Signature] DATE: 2/20/91  
 [Signature] DATE: 2/13/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 [Signature] DATE: 2/12/91  
 [Signature] DATE: 2/12/91

Reviewed for HOWARD COUNTY  
 [Signature]  
 U.S. Soil Conservation Service

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

[Signature] Approved 2/5/91

DEVELOPER'S SIGNATURE AND CERTIFICATE

I/We certify that all development and construction will be done according to the plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction process 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 construction. I also authorize periodic on-site inspection by the Howard County Conservation District or their authorized agents, as are deemed necessary.

[Signature] 12/11/90  
 [Signature] 12/11/90  
 G. Nelson Clark Date

ENGINEER'S CERTIFICATE

I hereby certify that this plan and its Sediment Control Specifications are a true and correct plan based on my field work and the conditions and that I was prepared to do so with the requirements of the project.

[Signature] 12-11-90  
 G. Nelson Clark Date

CLARK • FINEFROCK & SACKETT, INC.  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 - BALTO. • (301) 611-8100

DESIGNED: V.L.P.  
 DRAWN: V.L.P.  
 CHECKED: V.L.P.  
 DATE: Dec. 10, 1990

SCALE: 1" = 50'  
 DRAWING: 1 OF 1  
 JOB NO: 89-158  
 FILE NO: 89-158-X

FOR: LAND DESIGN AND DEVELOPMENT  
 8307 MAIN STREET, TIBER PLACE  
 ELLICOTT CITY, MARYLAND 21043