

MD. ROUTE 108

SEDIMENT CONTROL PLAN
 LOTS 2,3,4
COLUMBIA TOWN CENTER
 PLAT N° 3054-A 55 THRU 58 INCLUSIVE
 SECTION 9 AREA 1
 5th ELECTION DISTRICT (FIFTH)
 HOWARD COUNTY, MARYLAND

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE 7-10-79

Sheet of _____
 Date June 4, 1979 Scale: 1"=30'
 Tax Map Parcel _____

LEGEND

Contour Interval 2 Feet
 Existing Contour 100
 Proposed Contour 100
 Spot Elevations 100
 Yard Requirements Front 20' (60' R.W.)
 Side 75' (Min.)

DEVELOPER'S CERTIFICATE

I certify that all development and/or construction will be done in accordance to this plan of development and plan for erosion and sediment control. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

6-11-79
 Date
 Signature: *Michael M. Brown*

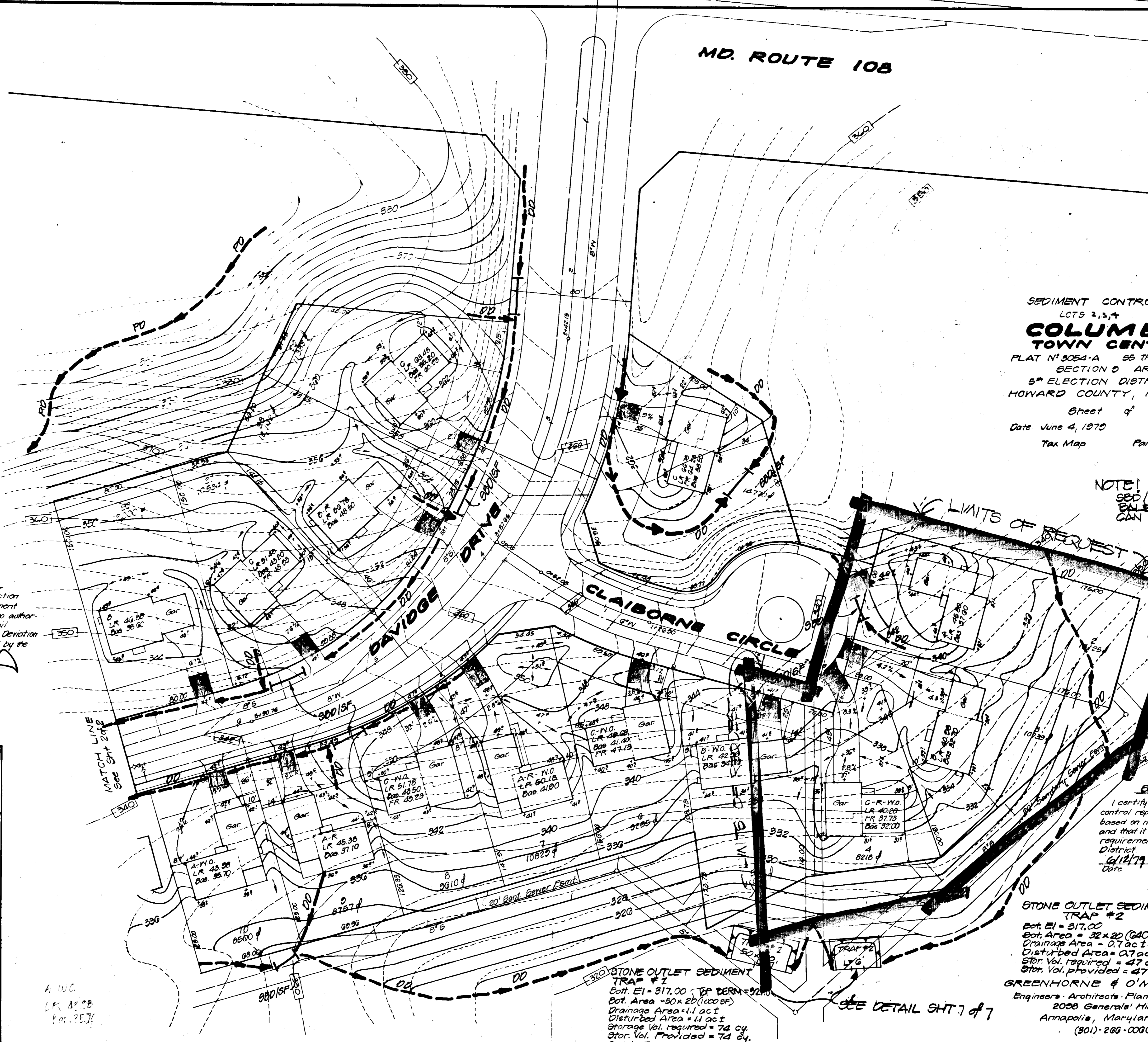
APPROVED: Howard County Office of Planning & Zoning
 Planning Director: *William T. Rowe* Date: 7-27-79

APPROVED: Howard Soil Conservation District
 Reviewed for Howard Soil Conservation District and meets technical requirements.
 Signature: *William T. Rowe* Date: 7-19-79

This plan is approved for sediment and soil erosion control by the Howard Soil Conservation District.

APPROVED: For Public water and public sewerage, storm drainage systems and public roads.
 Howard County Department of Public Works
 Director: *William T. Rowe* Date: 7-19-79

APPROVED: For Public water and public sewerage systems.
 Howard County Health Department
 County Health Officer: *William T. Rowe* Date: 7-25-79



NOTE!
 SBD/OF MEANS EITHER STRAW BALE DIKE OR SILT FENCE CAN BE INSTALLED.

SURVEYOR'S CERTIFICATE

I 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.

6/12/79
 Date
 Signature: *Charles A. Shreve, III*
 Charles A. Shreve, III
 Reg. P.L.S. Md. #344E

STONE OUTLET SEDIMENT TRAP #2

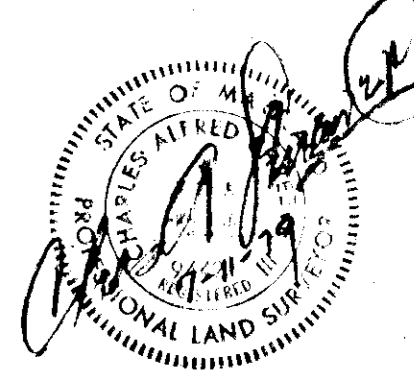
Bot. El = 317.00 TOP BERM = 321.00
 Bot. Area = 32 x 20 (640 sq ft) CLEANOUT ELEV. = 318.00
 Drainage Area = 0.7 ac ±
 Disturbed Area = 0.7 ac ±
 Stor. Vol. required = 47 cu yd
 Stor. Vol. provided = 47 cu yd

GREENHORNE & O'MARA, INC.
 Engineers, Architects, Planners, Surveyors
 2026 Generals Highway
 Annapolis, Maryland 21401
 (301) 266-0066

STONE OUTLET SEDIMENT TRAP #2

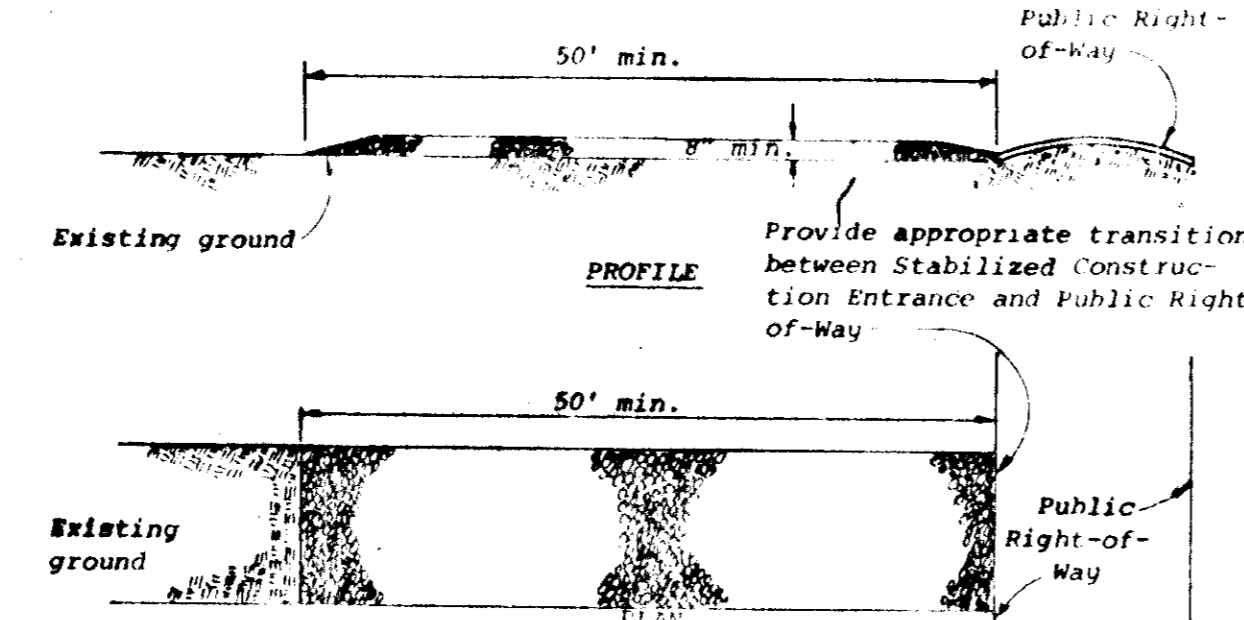
Bot. El = 317.00 TOP BERM = 321.00
 Bot. Area = 50 x 20 (1000 sq ft)
 Drainage Area = 1.1 ac ±
 Disturbed Area = 1.1 ac ±
 Storage Vol. required = 72 cu yd
 Storage Vol. provided = 72 cu yd
 CLEANOUT ELEV. = 318.00

SEE DETAIL SHT. 7 of 7



SEDIMENT CONTROL NOTES

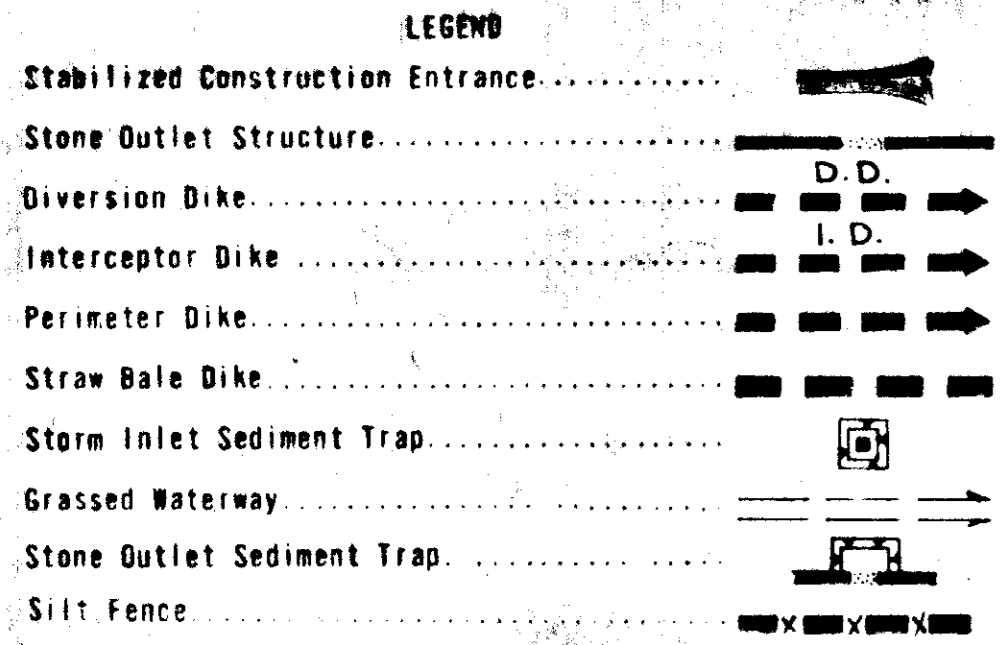
- Specifications for the Sediment Control Details shown hereon are included in the U.S.D.A. Soil Conservation Service "Standards and Specifications for soil erosion and sediment control in developing areas"
- A grading plan must be developed by the builder and approved before beginning any work shown hereon.
- The developer shall notify the Howard County Office of Inspections and Permits at least 24 hours prior to beginning any construction shown hereon (465-5000 Ext. 365).
- Sediment control structures to be constructed prior to any on-site grading or disturbance to any existing surface material, and are to be stabilized as soon as constructed.
- All sediment control structures to remain in place until permission for their removal has been obtained from the Howard County Office of Inspection and Permits (465-5000 Ext. 365).
- All graded areas not to be sodded shall be stabilized by seeding and mulching in accordance with the following:
 - Site Preparation
 - Harrow or disc in areas proposed to be seeding the following materials at the specified rate to a depth of 3"
 - Pulverized limestone at 2 tons/acre.
 - Commercial fertilizer 10-10-10 at 3 tons/acre.
 - Super phosphate at 600 lbs/acre.
 - Seeding
 - Sow the following seed mixture at the rate of 200 lbs/acre with a mechanical spreader.
 - Temporary: Italian or Perennial Rye Grass
 - Permanent: 40% Marion Blue Grass, 40% South Dakota Blue Grass and 20% Penn Lawn Creeping Red Fescue
 - The seeded area shall then be raked with a York Rake (a minimum of 2 passes) covered and compacted with Cultipacker or other approved method.
 - Mulching
 - Seeded areas shall be uniformly mulched immediately after seeding with unweathered small grain straw at the rate of 1 1/2 - 2 tons/acre.
 - Tie mulch down with liquid asphalt at 0.1 gal/s.y. or emulsified asphalt at 0.04 gal/s.y. or mulch netting.



STABILIZED CONSTRUCTION ENTRANCE



STONE OUTLET STRUCTURE

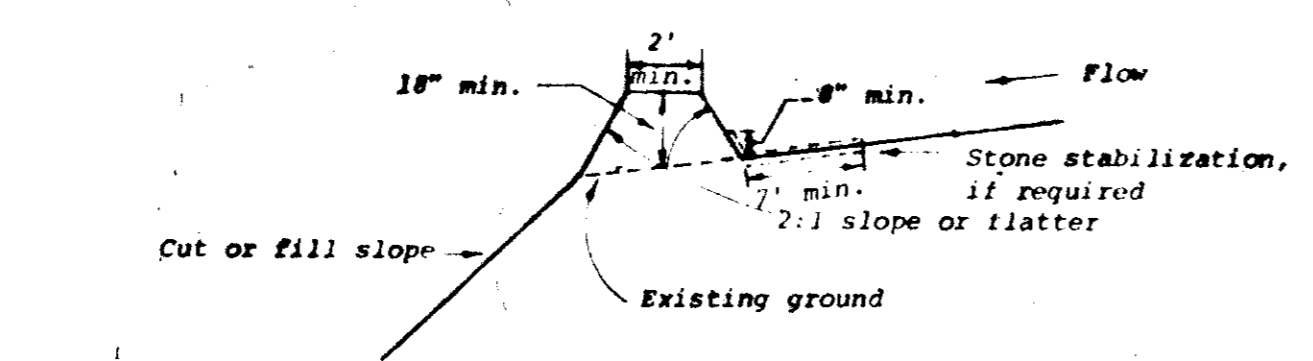


CONSTRUCTION SEQUENCE

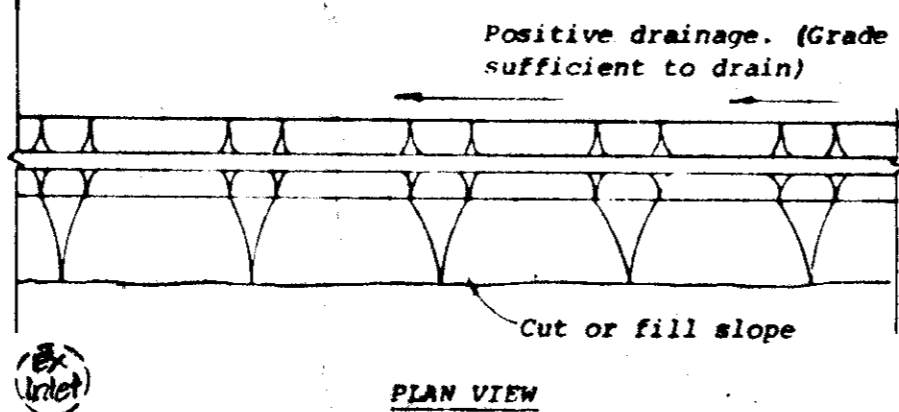
- Obtain Permit
- Construct Stone Outlet Sediment Traps #1 & 2
- Construct Perimeter dikes above lots 20 thru 26 and install 15" flexible pipe slope drain, connect to outlet at existing temporary pipe at ex. inlet.
- Construct perimeter dike above lots 19 & 20.
- Construct all diversion dikes and Straw Bale Dikes/Silt Fences.
- Stabilize all dikes with temporary seed & mulch.
- Construct temporary stabilized construction entrances.
- Rough Grade Site
- Stabilize Graded Areas with temporary seeding & mulch.
- Repair any sediment and erosion control devices disturbed during construction.
- Building Construction
- Final Grade Site
- Stabilize with permanent seeding & mulch as required.
- Remove sediment control devices.

APPROVED: For public water and public coverage systems, Howard County Health Dept.
 [Signature] 7-17-77
 County Health Officer

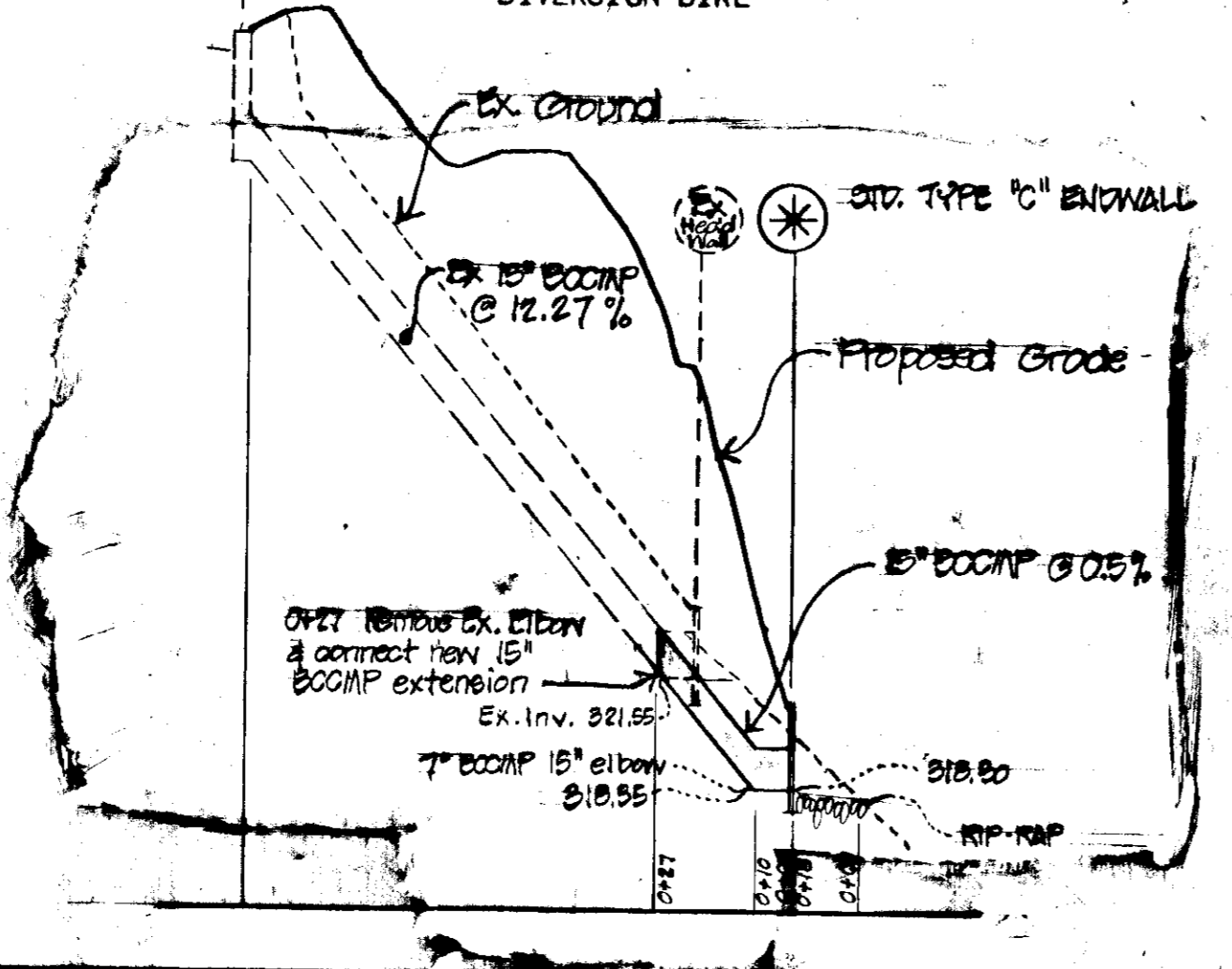
APPROVED: For public water and public coverage storm drainage systems and public roads
 Howard County Department of Public Works
 [Signature] 7-17-77
 Director



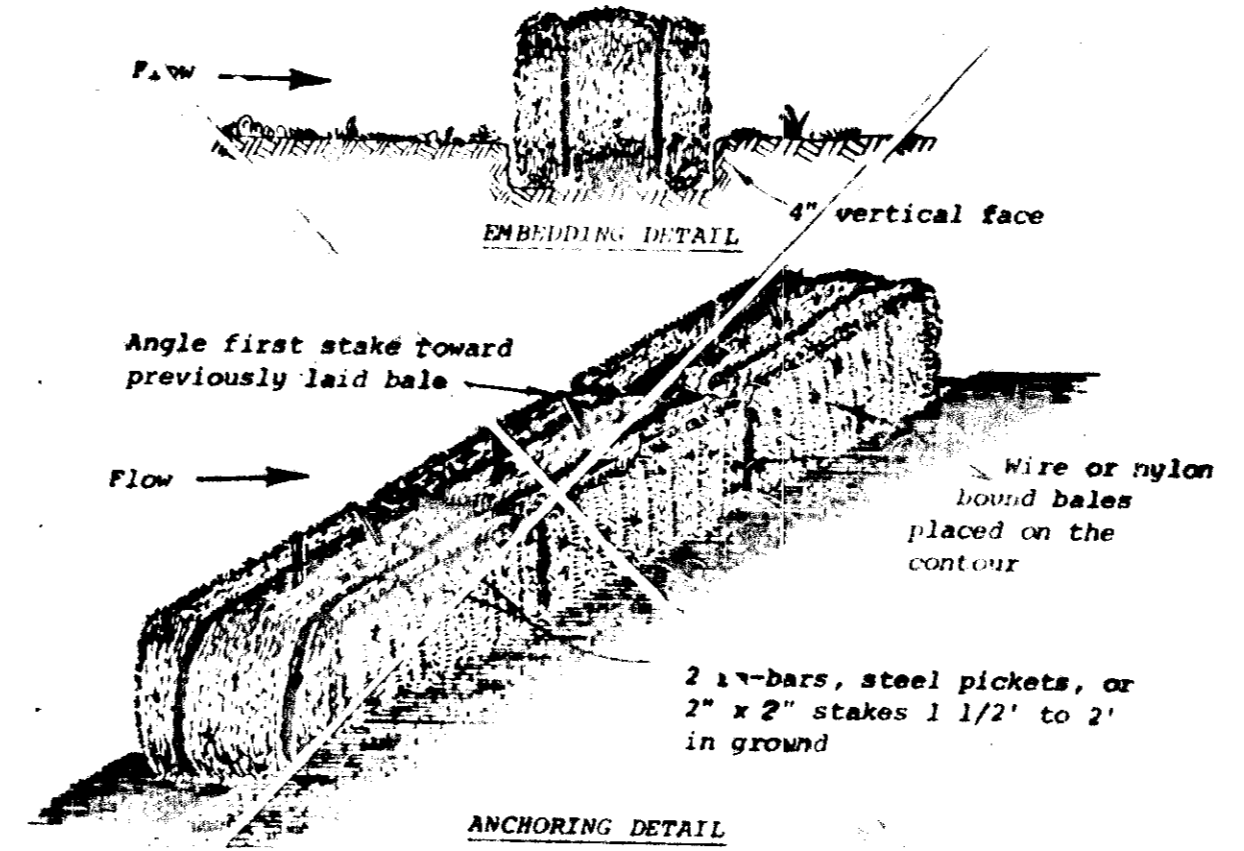
CROSS SECTION



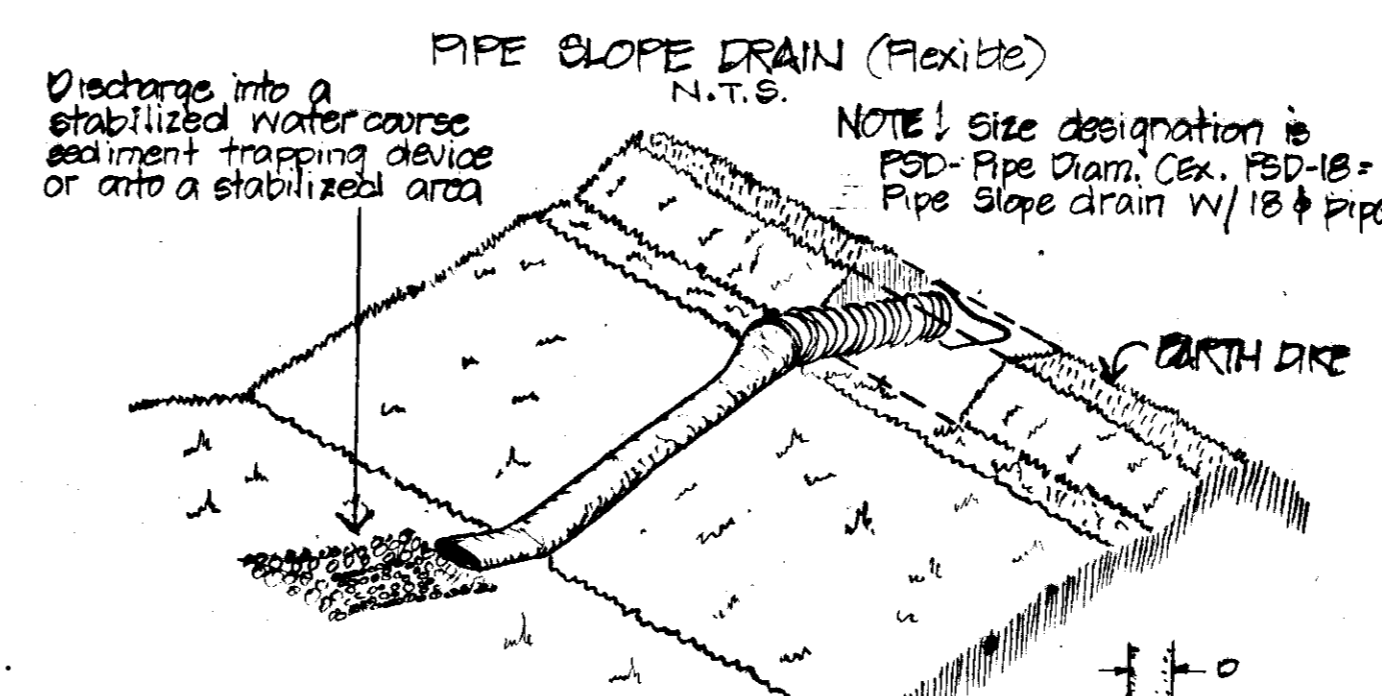
PLAN VIEW



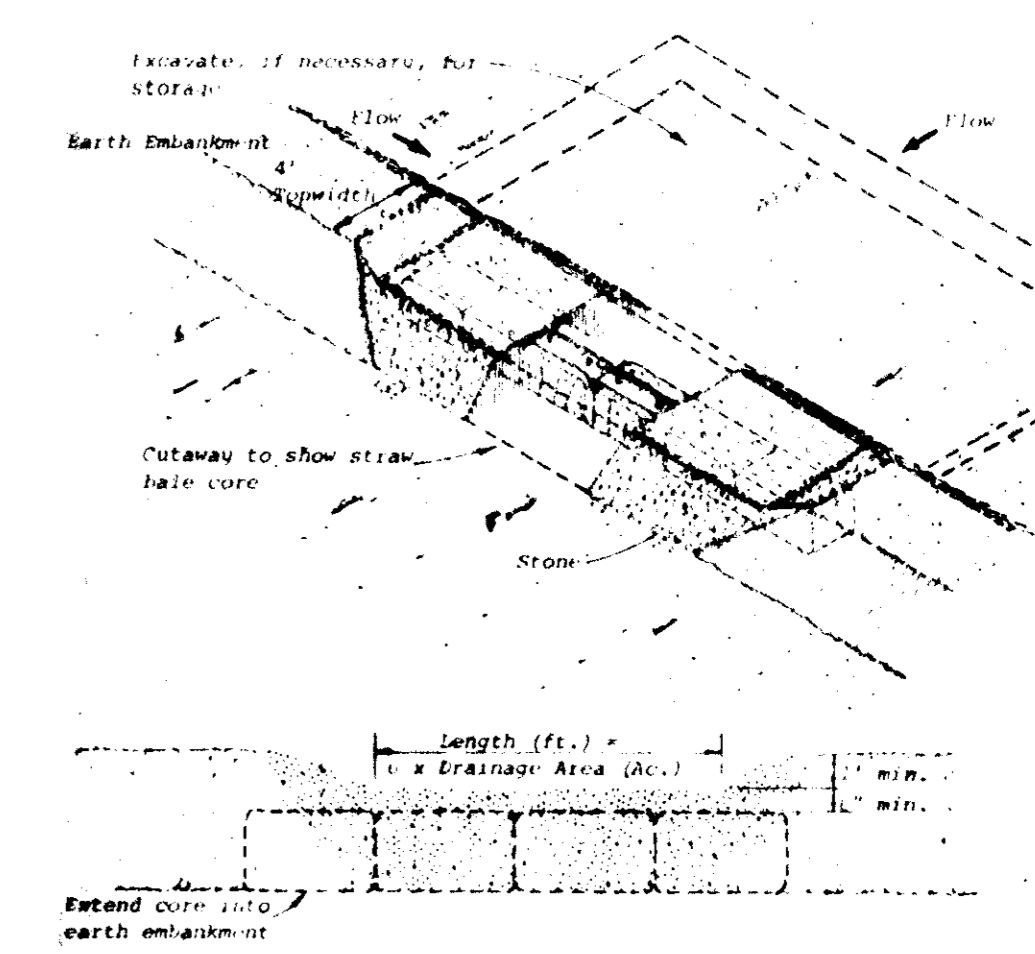
DIVERSION DIKE



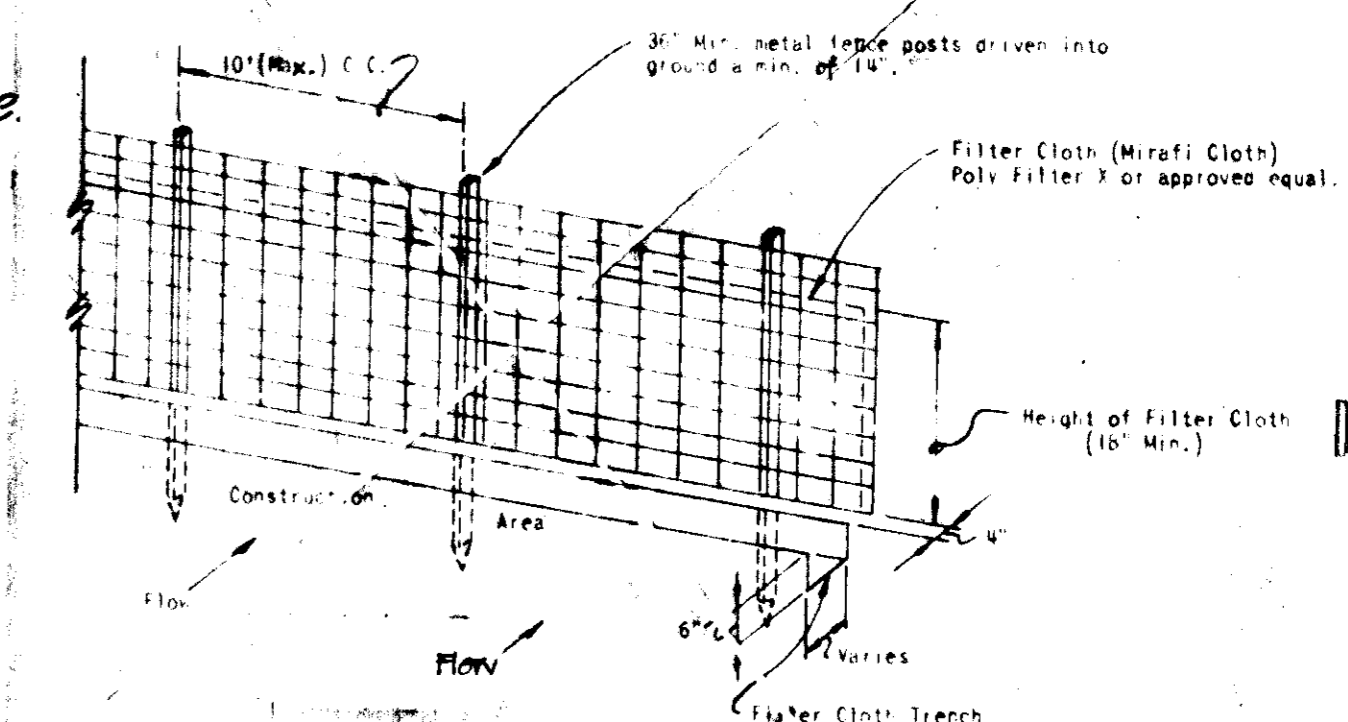
STRAW BALE DIKE



PIPE SLOPE DRAIN (Flexible)



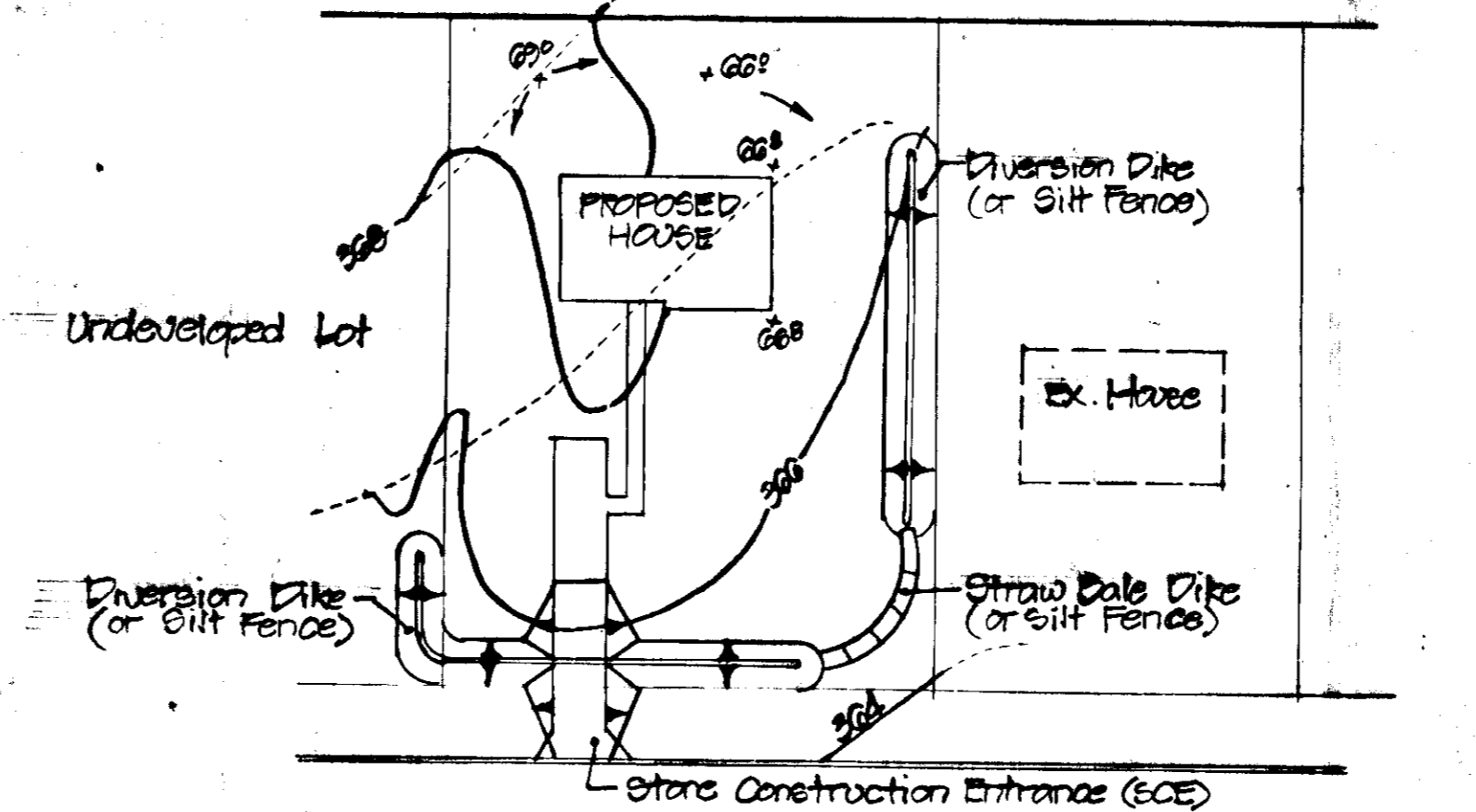
STONE OUTLET SEDIMENT TRAP



SILT FENCE DETAIL

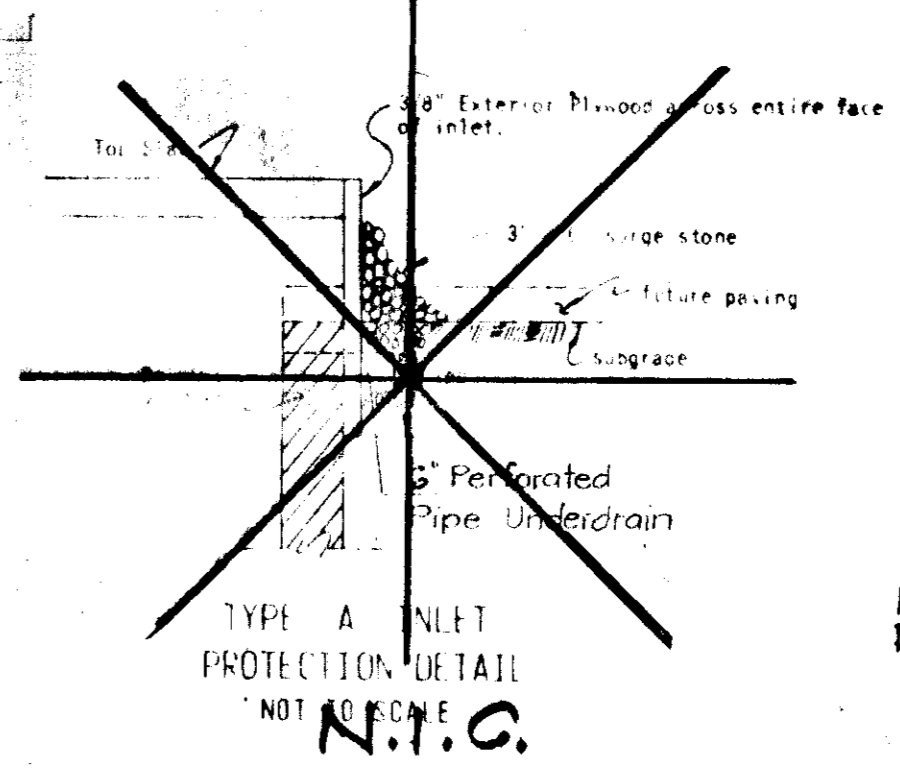
NOTES

- Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
- Filter cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24" x 24".
- Silt fence to be placed in lieu of straw bales and/or diversion dikes at the option of the Developer.



TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN

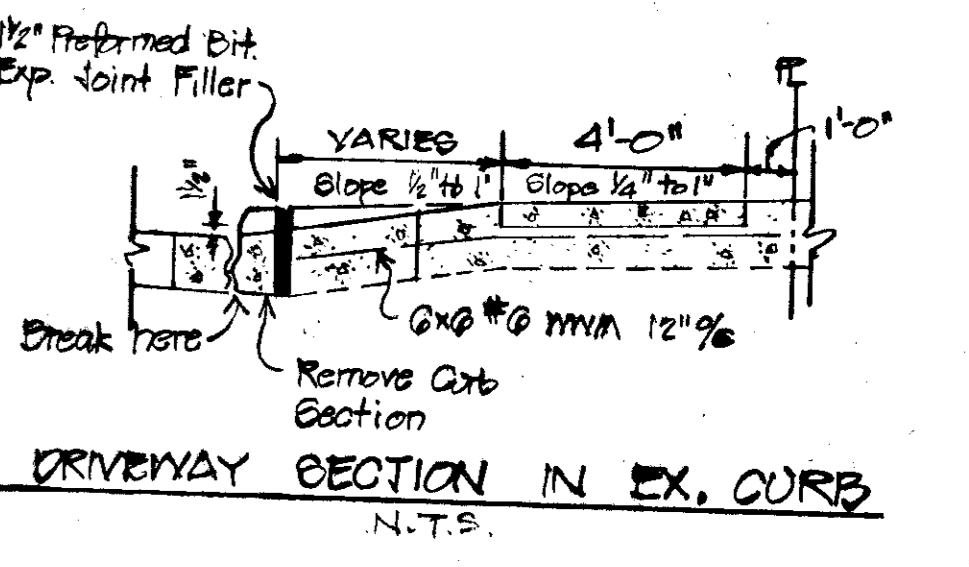
Reviewed for Howard County Soil Conservation District and meets Technical Requirements.
 [Signature] 7/17/77
 This development plan is approved for the Erosion and Sediment Control by the Howard County Soil Conservation District.
 [Signature] 7-17-77
 Howard County Soil Conservation District



TYPE A SILT FENCE

SOIL CONSERVATION SITE ANALYSIS

TOTAL AREA OF SITE	= 7.8 Acres
AREA TO BE GRADED	= 5.0 Acres
PAVED	= N/A
REVEGETATED	= 5.0 Acres
UNDISTURBED AREA	= 2.8 Acres



Flat Reference: FLAT # 8024-A 55-58 INCLUSIVE

OWNER/DEVELOPER:
 Winchester Homes, Inc.
 P.O. Box 38
 Pasadena, Md. 2122
 (301) 544-1300

APPROVED Department of Public Works
 [Signature] 7/13/79
 Chief, Bureau of Engineering

DEVELOPER'S CERTIFICATE
 I certify that all development and construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard County Soil Conservation District or their authorized agents as are deemed necessary. Deviation from this plan will not be made unless authorized in writing by the Howard County Soil Conservation District.
 [Signature] 6-11-79
 Date

ENGINEER'S CERTIFICATE
 I 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 County Soil Conservation District.
 [Signature] 6/11/79
 Date



GREENHORNE & O'MARA, INC.
 ENGINEERS · ARCHITECTS · PLANNERS · SURVEYORS
 6715 KENILWORTH AVE., RIVERDALE, MD.
 301/277-2121 20840

TOWN CENTER
 SECTION 9 AREA 1, Lots 2, 3, 4
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

DESIGN	SINC	SCALE	As Shown
DRAWN			
CHECKED		SHEET	No. 4 of 4
DATE	10/18/78	182627	4-102-03
		JOB No.	
		FILE No.	