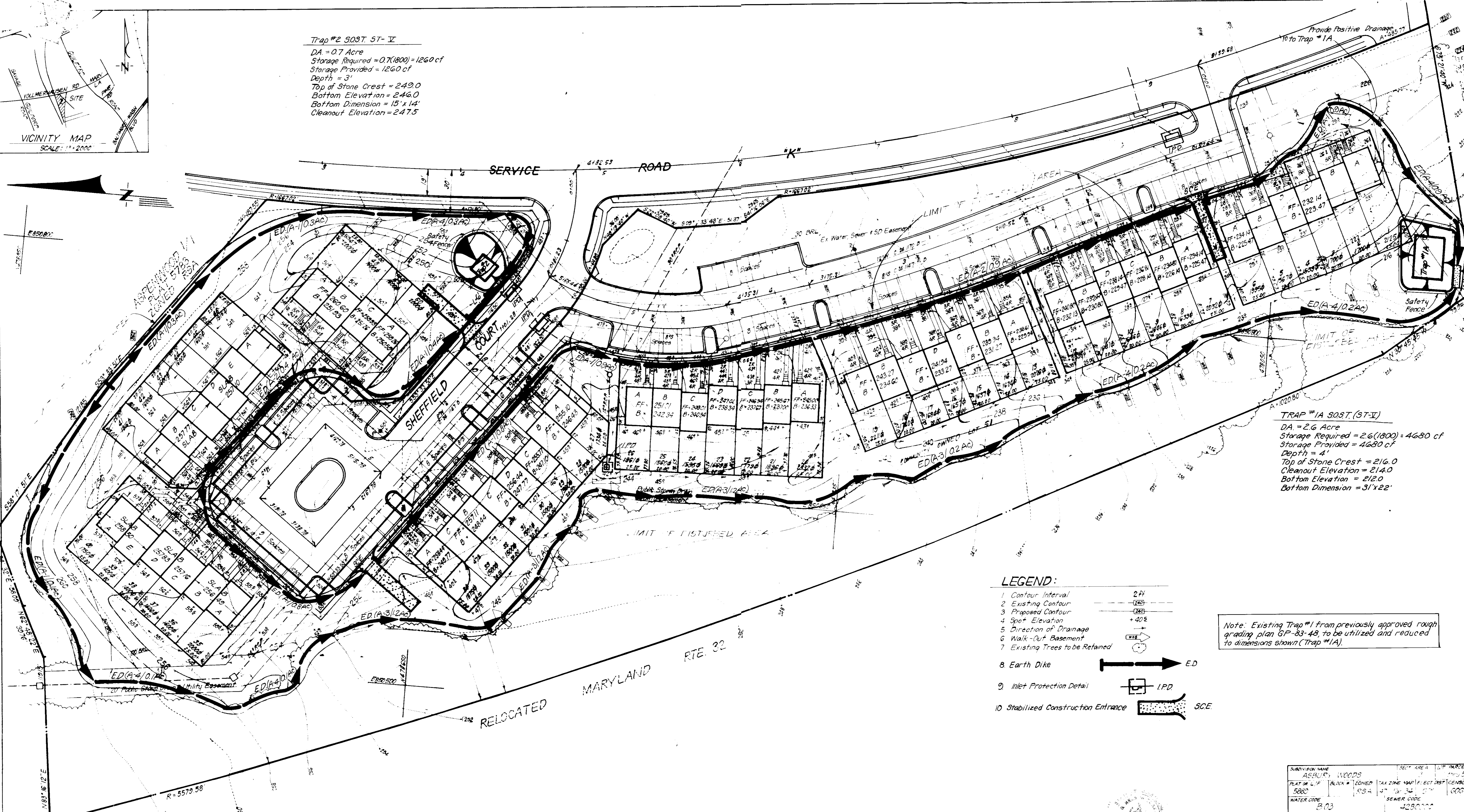


Trap #2 SOST, ST-IV
 DA = 0.7 Acre
 Storage Required = 0.7(1800) = 1260 cf
 Storage Provided = 1260 cf
 Depth = 3'
 Top of Stone Crest = 249.0
 Bottom Elevation = 246.0
 Bottom Dimension = 15' x 14'
 Cleanout Elevation = 247.5

VICINITY MAP
 SCALE: 1" = 2000'



TRAP #1A SOST, (ST-IV)
 DA = 2.6 Acre
 Storage Required = 2.6(1800) = 4680 cf
 Storage Provided = 4680 cf
 Depth = 4'
 Top of Stone Crest = 216.0
 Cleanout Elevation = 214.0
 Bottom Elevation = 212.0
 Bottom Dimension = 31' x 22'

- LEGEND:**
- 1 Contour Interval
 - 2 Existing Contour
 - 3 Proposed Contour
 - 4 Spot Elevation
 - 5 Direction of Drainage
 - 6 Walk-Out Basement
 - 7 Existing Trees to be Retained
 - 8 Earth Dike
 - 9 Inlet Protection Detail
 - 10 Stabilized Construction Entrance

Note: Existing Trap #1 from previously approved rough grading plan GP-83-48 to be utilized and reduced to dimensions shown (Trap #1A).

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 12-10-84
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 [Signature] 12-12-84
 PLANNING DIRECTOR DATE

APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMIN
 [Signature] 12-11-84
 CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMIN DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 12-5-84
 DIRECTOR DATE

[Signature] 12-4-84
 CHIEF BUREAU OF ENGINEERING DATE

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 11-16-84
 [Signature]

Reviewed for: [Signature] A.C.G.
 Name
 and meets Technical Requirements
 [Signature] 11-26-84
 Signature Date
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 [Signature] 11/30/84
 Approved Date

DEVELOPER'S CERTIFICATE
 "I hereby certify that all development and construction will be in accordance with the plan of development and plan for erosion and sediment control and that all responsibilities assigned 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."
 [Signature] 9-13-84
 Signature of Developer Date
 MAURICE M. SIMPKINS

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.
 [Signature] 9-8-84
 Signature Date
 G. Nelson Clark

SUBDIVISION NAME	ASBURY WOODS	SECT. AREA	1.0000	LOT PARCEL	1000
PLAT OF L.I.F.	ALPHA ZONED	TAX ZONE MAP/ELECT DIST	5800	CENSUS TR	0004
WATER CODE	8.03	SEWER CODE	428000		

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

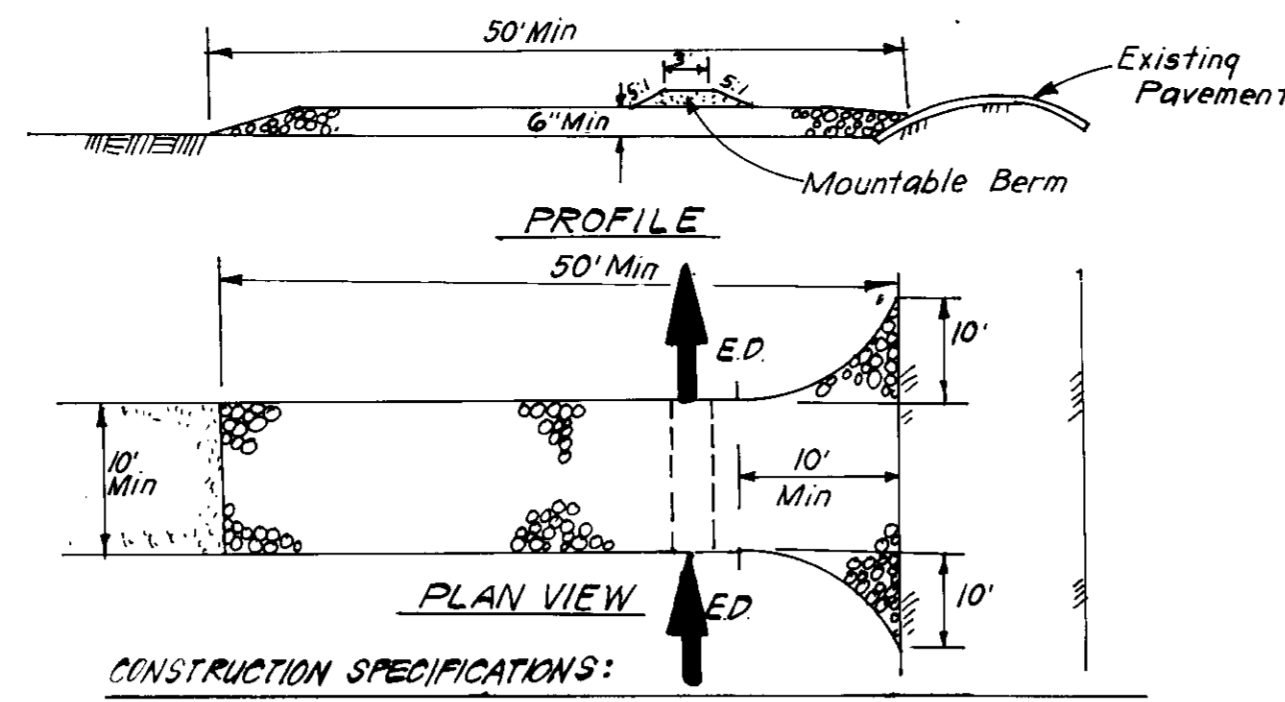
DESIGNED	RP	SCALE	1" = 30'
DRAWN	VHL	DRAWING	2 of 4
CHECKED	RP	JOB NO.	83-108
DATE	FOR	FILE NO.	83-108 SE

SEDIMENT EROSION CONTROL PLAN
 LOTS 1 THRU 50
ASBURY WOODS
 SECTION 1 AREA 3
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 THE RYLAND GROUP (CO.) INC.
 Suite 503 One Kinell North Dr
 Columbia, Maryland 21044
 Sept. 10 1984

SDP-85-52

GENERAL NOTES

- Grading Permits shall be obtained prior to installation of sediment control.
- All Sediment Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of existing surface of site.
- Notify the Bureau of Inspections and Permits at least 24 hours before starting any work.
- All Sediment Control Practices to conform to the "Standards and Specs. for Soil Erosion and Sediment Control in Developing Areas", and shall be adjusted to meet actual field conditions.
- 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 clean-out 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 developer's 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.
- Approval of this plan is conditional upon the approval of Sediment Control Plan for the off-site waste or bottom area prior to the import of any borrow or export of waste to or from this site.
- See Pages 51.01 - 51.08 of the Maryland State & Specs. for Soil Erosion and Sediment Control for Permanent Seeding and Pages 50.01 - 50.05 for Temporary Seeding.
- As per COMAR 08.05.01.06 -- "Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within (a) Seven calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes greater than 3 horizontal to one vertical (3:1) and (b) fourteen days as to all other disturbed or graded areas on the project site."
- All Pipes to be blocked at the end of each day (See detail below).
- The total amount of Straw Bale Dikes/Silt Fence shown = 0 L.F.
- SITE ANALYSIS:**
 - A Total Area: 3.575 Acres
 - B Area to be Reroofed: 0.611 Acres
 - C Area to be Paved: 0.115 Acres
 - D Area to be Seeded: 2.849 Acres
 - E Area Undisturbed: 0.000 Acres
- CONSTRUCTION SEQUENCE:**
 - A Install Sediment & Erosion Control Devices and Stabilize.
 - B Excavate for Foundations and Rough Grade.
 - C Construct Structures, Driveways & Sidewalks.
 - D Final Grade in accordance with note #10.
 - E IP houses are to be constructed on an "As Sold" basis, at random, single lot Sediment Control, as shown below, shall be implemented.
 - F All sediment traps shown must be fenced and warning signs posted around their perimeter in accordance with Vol 1, Chap. 12, of The Howard Co. Design Manual for Storm Drainage.

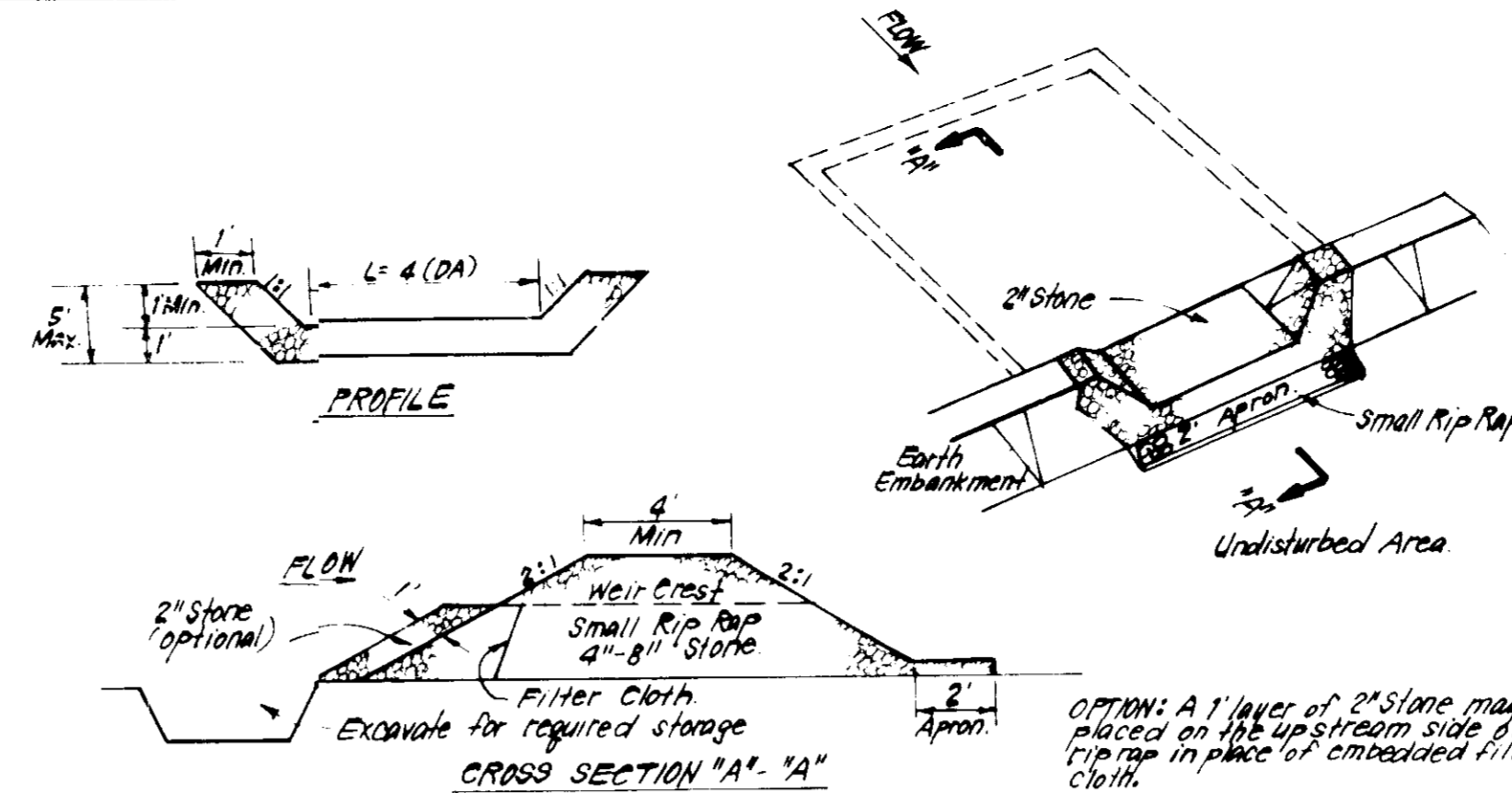


CONSTRUCTION SPECIFICATIONS:

- Stone Size - Use 2" Stone, or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a single residence lot where a 30' min. length would apply).
- Thickness - Not less than 6".
- Width - Ten foot min, but not less than the full width at point where ingress 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 3:1 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 granular stone as conditions demand. 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 (S.C.E.)

NO SCALE

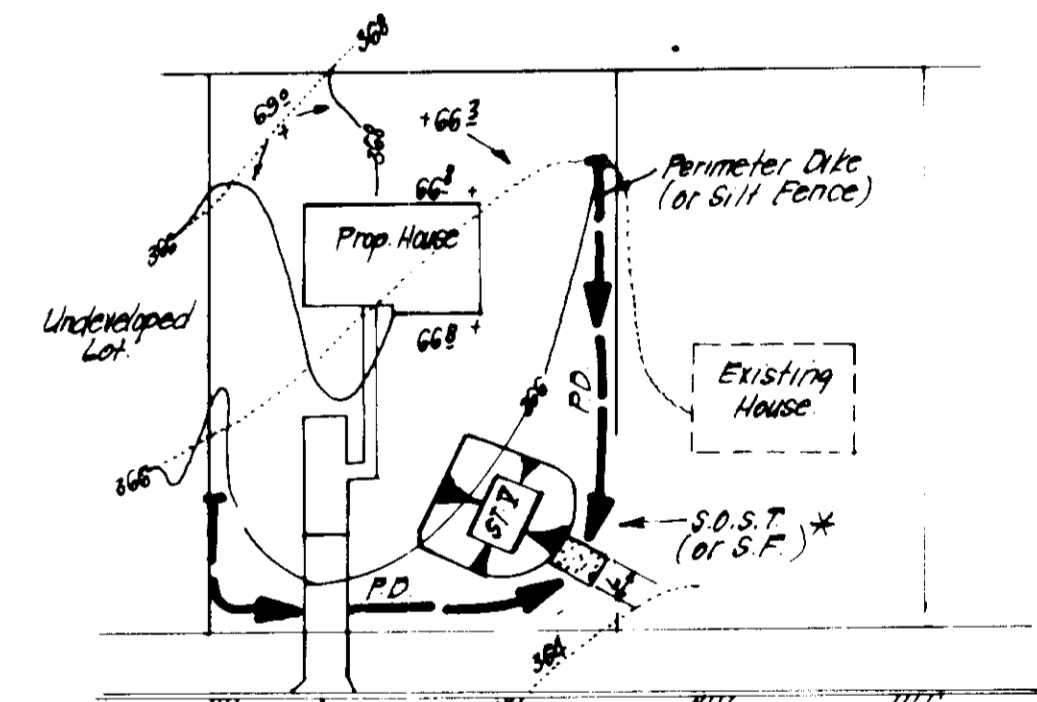
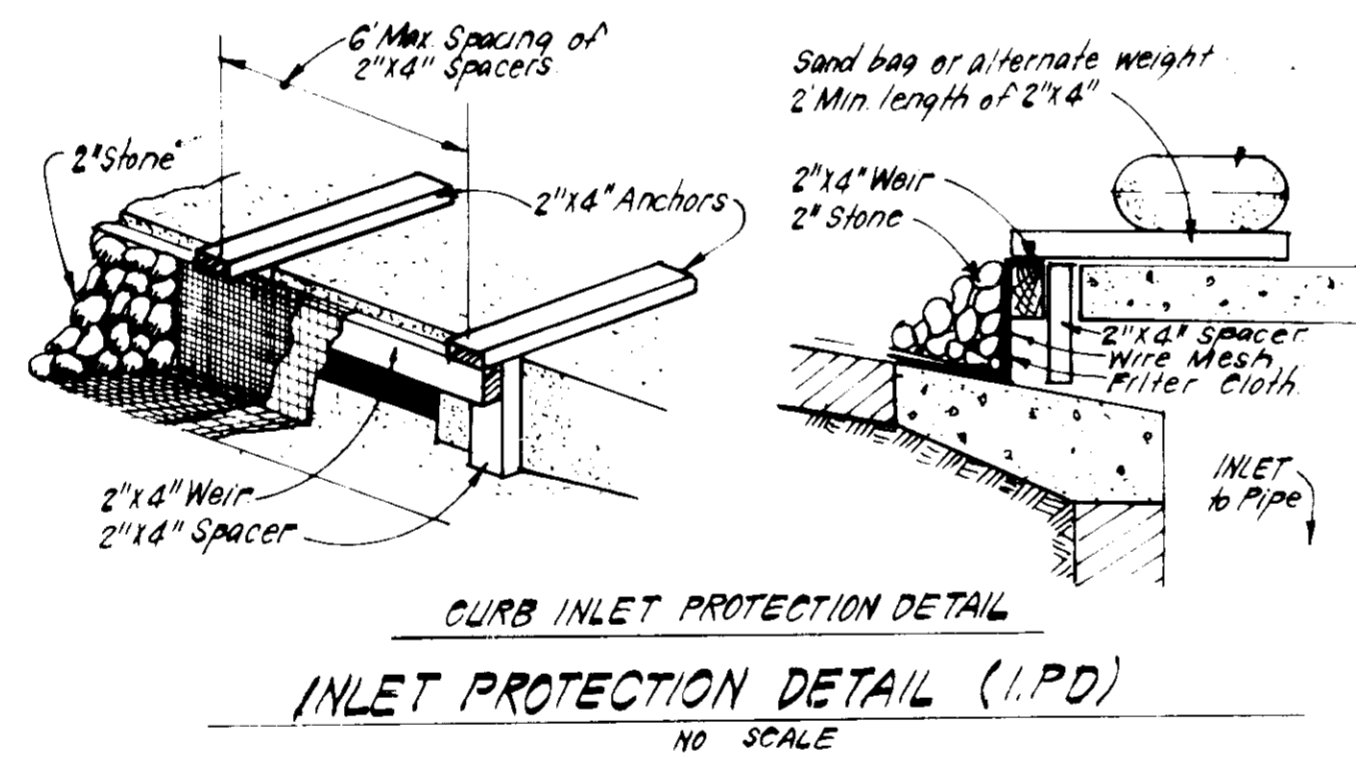
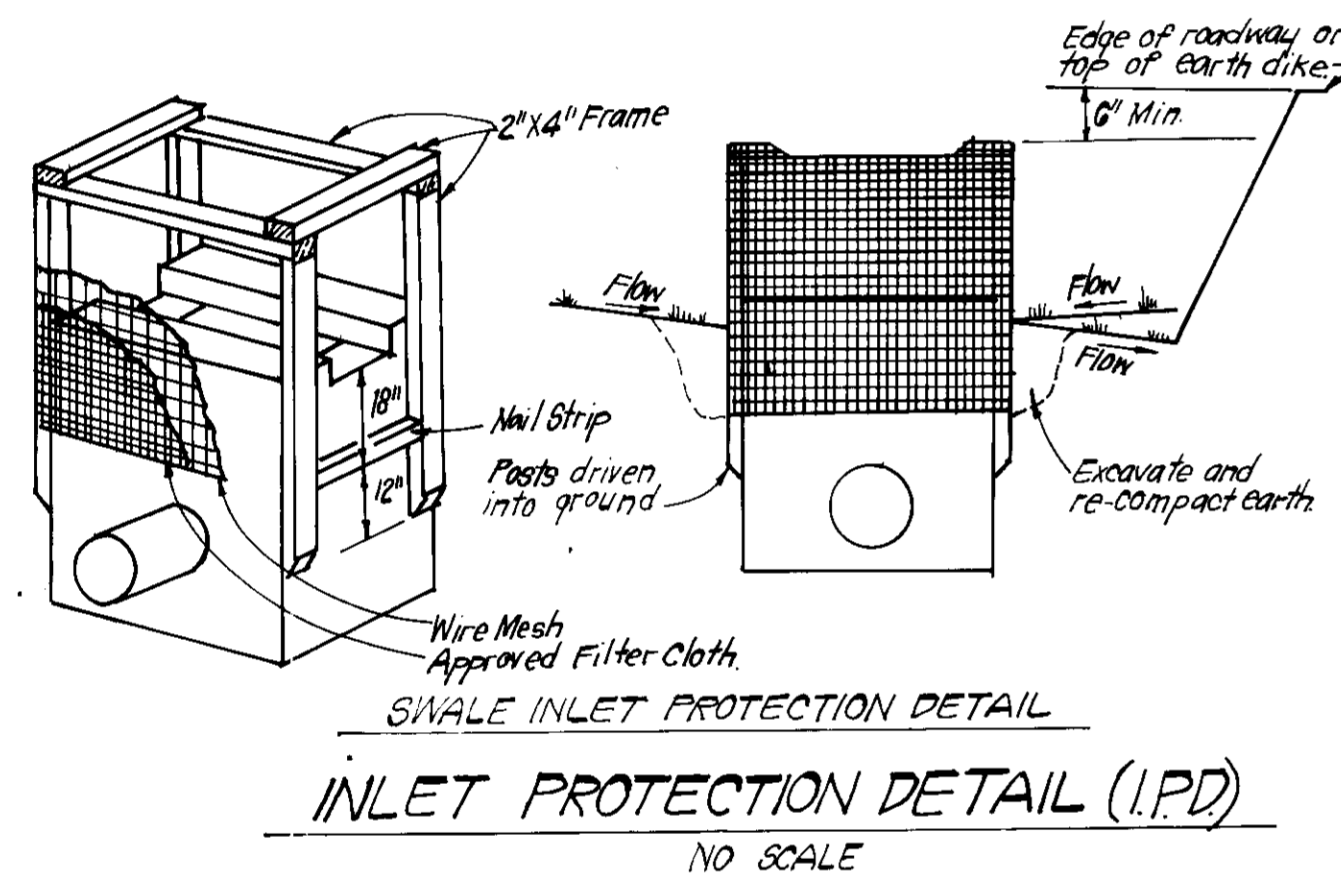


CONSTRUCTION SPECIFICATIONS:

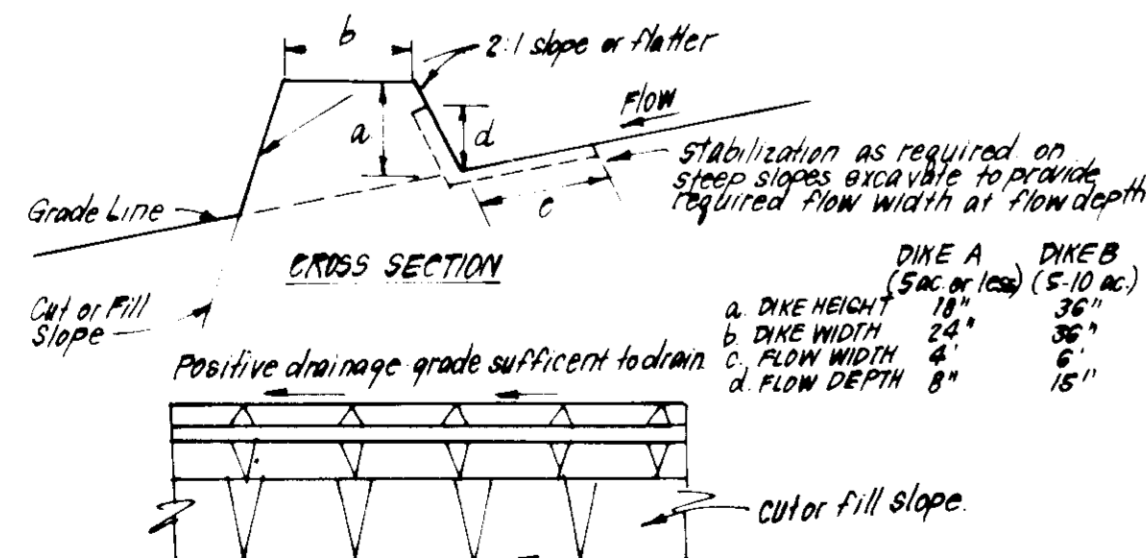
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots and other woody vegetation as well as evergreen shrubs, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- All cut and fill slopes shall be 2:1 or flatter.
- The stone used in the outlet shall be small rip rap 4"-8" along with 1" thickness of 2" aggregate placed on the up-grade side on the small rip rap or embedded filter cloth in the rip rap.
- Sediment shall be removed and traps restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP (S.O.S.T.) ST.V.

NO SCALE



APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 11-16-84



CONSTRUCTION SPECIFICATIONS:

- All dikes shall be compacted by earth-moving equipment.
- All dikes shall have positive drainage to an outlet.
- Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
- Field location should be adjusted as needed to utilize a stabilized safe outlet.
- Earth dikes shall have an outlet that functions with a min. of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike or the drainage area above the dike are not adequately stabilized.
- Stabilization shall be: (A) in accordance with the standards for Seed and Straw Mulch if not in seeding season (B) flow channel as per Std Detail ED-1, pg 10.03 of the state & specs.

EARTH DIKE DETAIL (E.D.)

NO SCALE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
DATE 12-10-84

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 12-12-84

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 12-5-84

DATE 11-4-84

Reviewed for: HOWARD COUNTY S.C.U.
Name: Cheryl Spaulding
Signature: Cheryl Spaulding
U.S. Soil Conservation Service

DEVELOPER'S/BUILDER'S CERTIFICATE
I hereby 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 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 designated herein.

Signature: Maurice M. Simpkins Date: 9-13-84

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.

Signature: G. Nelson Clark Date: 9-13-84

APPROVED: DEPARTMENT OF PUBLIC WORKS
Chief, Bureau of Engineering
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Chief, Division of Land Development & Zoning Administration

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

DESIGNED: RP SCALE: As Shown

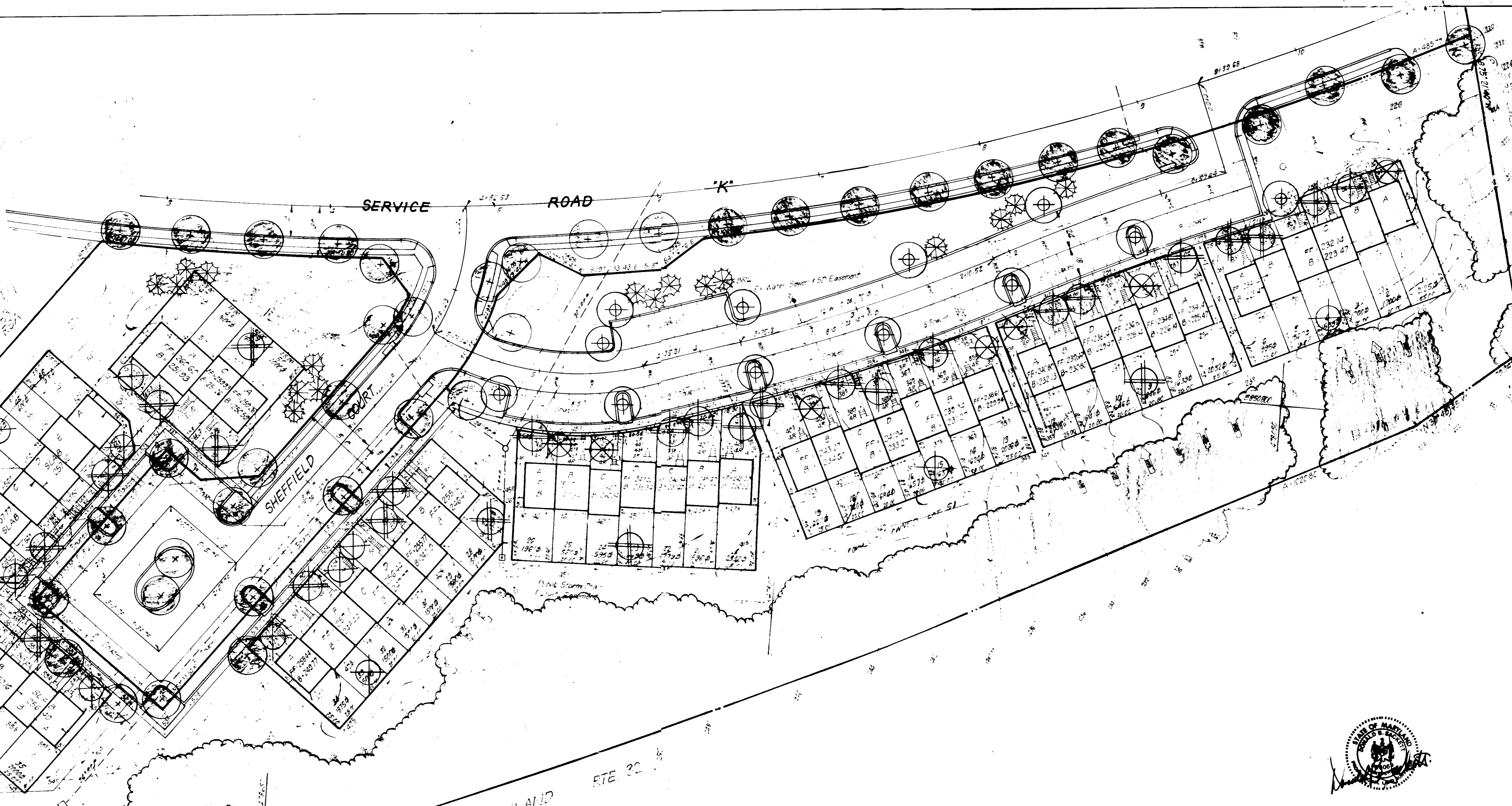
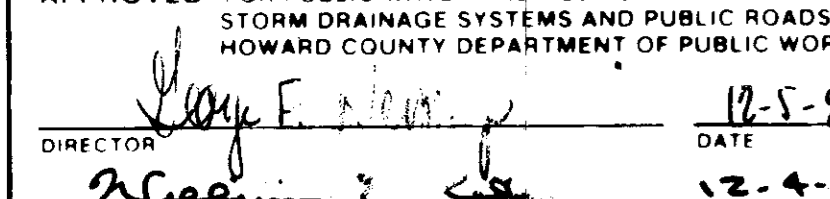
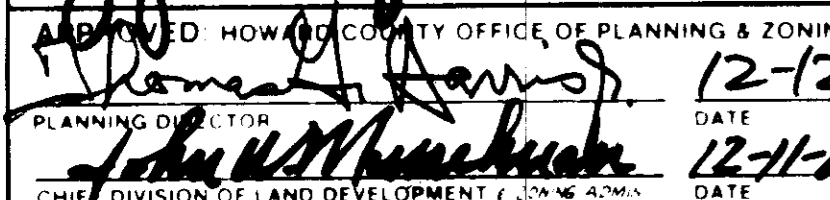
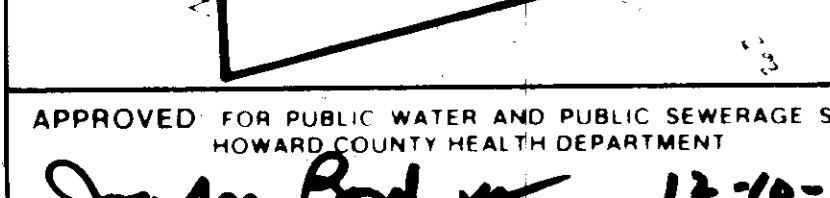
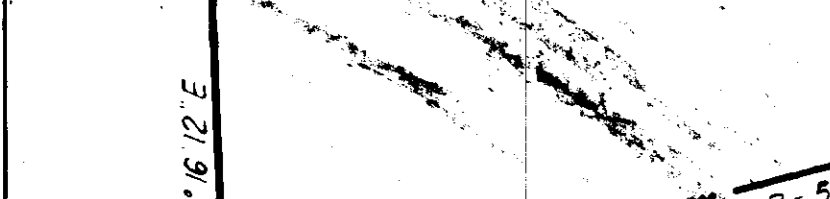
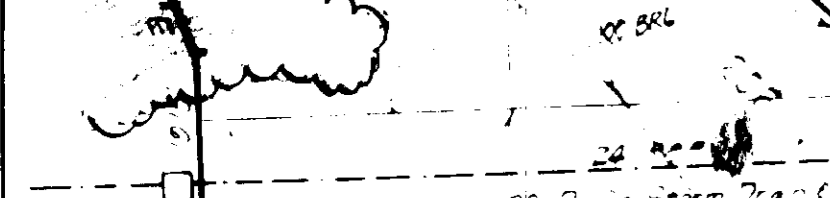
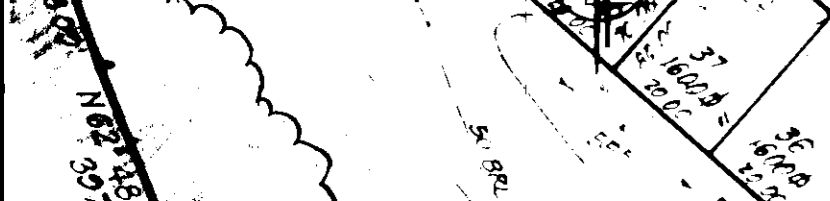
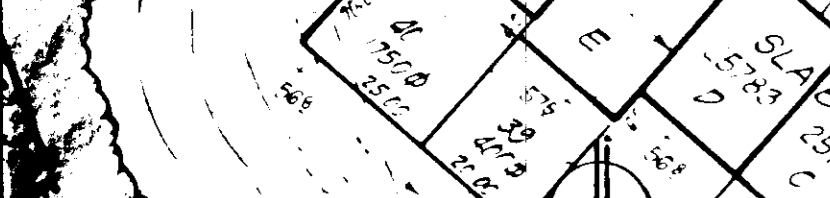
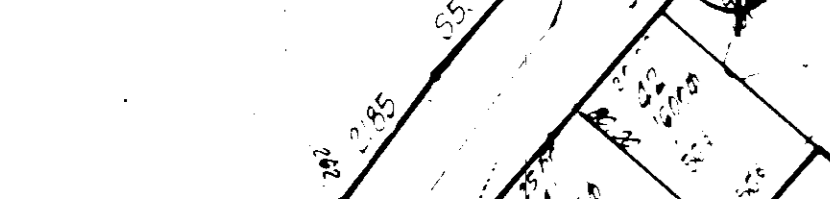
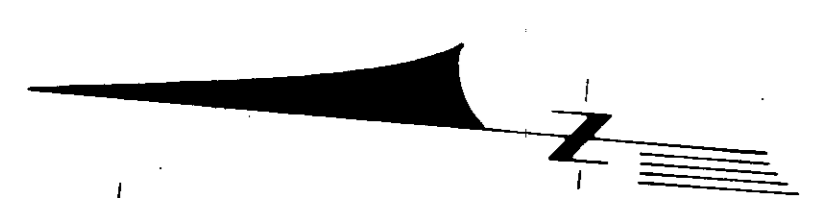
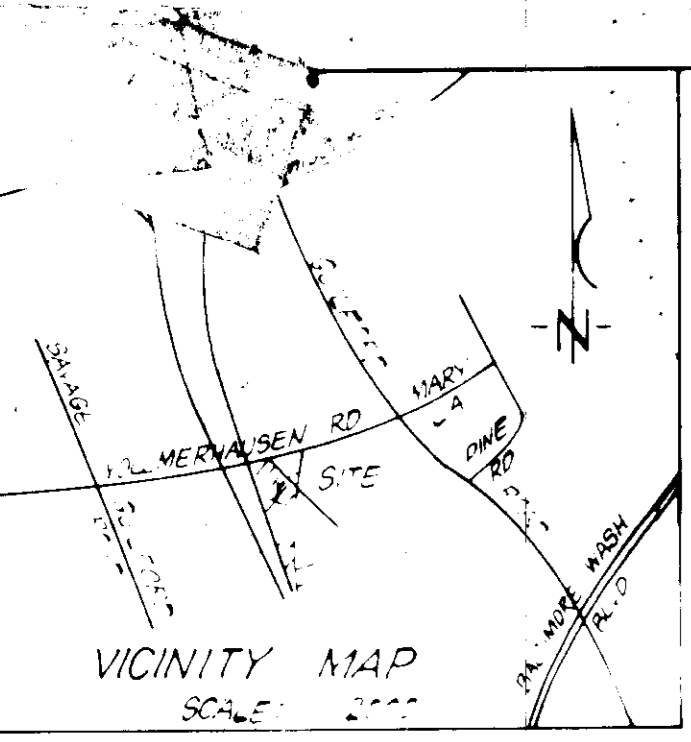
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CHECKED: RP JOB NO.: 83-108

DATE: Sept 10, 1984 FILE NO.: 83-108 SE

FOR: THE RYLAND GROUP (Col. Div.) Suite 503 One Knoll North Dr. Columbia, Maryland 21044

SDP-85-52



PLANT SCHEDULE				
KEY	PLANT NAME	SIZE	QUAN	REMARKS
⊕	PREVIOUSLY APPROVED STREET TREES *			SEE NOTE THIS PAGE
STREET TREE & BUFFER PLANTING				
⊕	ACER FRUPPUM OCT. GLORY	2 1/2" CAL	12	B&B HEAVY HEAD
⊕	CECROBIUM GLORIOSUM	MIN		
⊕	PINK STROBUS			
⊕	EASTERN WHITE PINE	6-8' HT.	17	B&B HEAVY
INDIVIDUAL LOT PLANTING				
⊕	PLUNK SEPP. KWANZAN	2" CAL	14	B&B HEAVY HEAD
⊕	KWANZAN CHEST	3" DIA.		
⊕	PIALUS C. BRACED		4	
⊕	BRACED PEAR			
⊕	MAJUS SNOWCLOUD		14	
⊕	SNOWCLOUD CRABAPPLE			
⊕	AMELANCHIER CANADENSIS		7	
⊕	SERVICE BERRY			

NOTE 3
 * PROPOSED INDIVIDUAL LOT PLANTING SHALL BE THE RESPONSIBILITY OF BUILDER - THE PTLAND GROUP
 * PROPOSED STREET & BUFFER PLANTING SHALL BE THE RESPONSIBILITY OF THE DEVELOPER - BEECH CREEK ASS
 * CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO DIGGING.
 * ALL PLANTING SHALL BE IN COMPLIANCE WITH ATTACHED SPECIFICATIONS.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE 12-10-84

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DATE 12-12-84

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 12-5-84

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 11-16-84

NOTE:
 * REFER TO STREET TREE PLAN (LS 82-008) DATED 11-8-83 FOR MORE DETAILED INFORMATION ON PREVIOUSLY APPROVED STREET TREES.

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904

DESIGNED JBC
 DRAWN JBC
 CHECKED JBC
 DATE 12-28-84

LANDSCAPE PLANTING PLAN
 1000 1 TRPL 50
 ACACURTY WOODS
 SECTION 1 AREA 3
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR THE PTLAND GROUP
 ONE RILEY NORTH
 COLUMBIA, MARYLAND 21044

SCALE
 1" = 30'
 DRAWING
 ACFA
 JOB NO.
 BS-102
 FILE NO.
 BS-102

S.D.P. 85-52