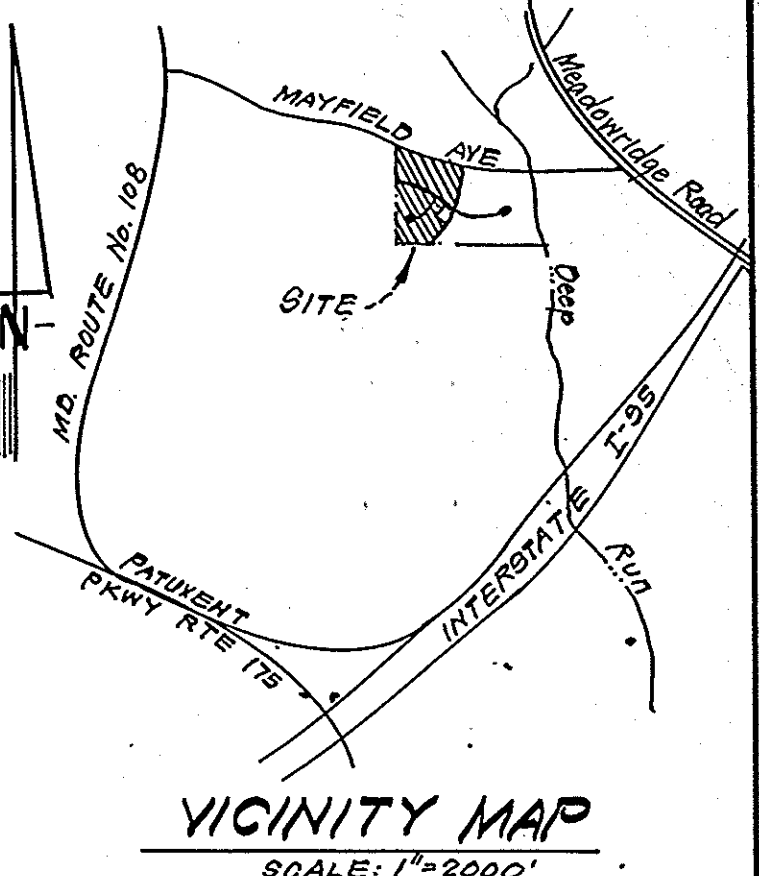
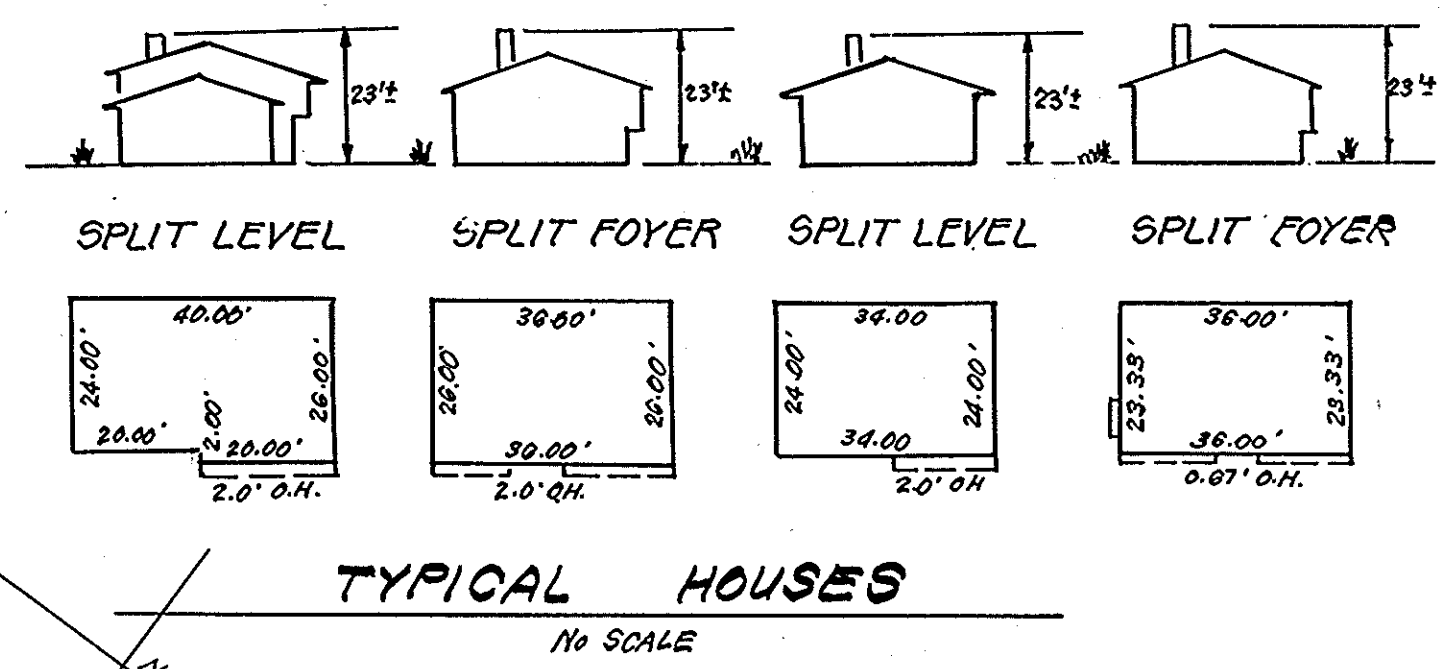
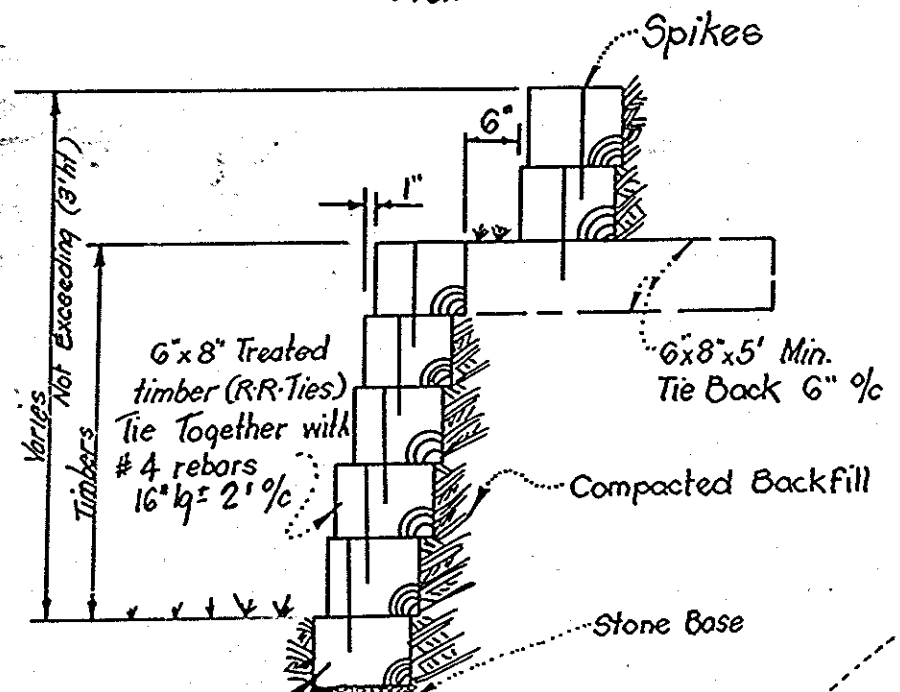


Note: Materials and Construction shall be in accordance with Ho. Co. Road Construction Code.



**DRIVEWAY ABUTTING MODIFIED CURB & GUTTER**

- ALTERNATE #1  
1" Bit. Conc. Surface  
2" Bit. Conc. Base  
6" Gravel.
- ALTERNATE #2  
1" Bit. Conc. Surface  
4" Bit. Conc. Base
- ALTERNATE #3  
1" Bit. Conc. Surface  
3" Bit. Conc. Base  
3" Gravel.



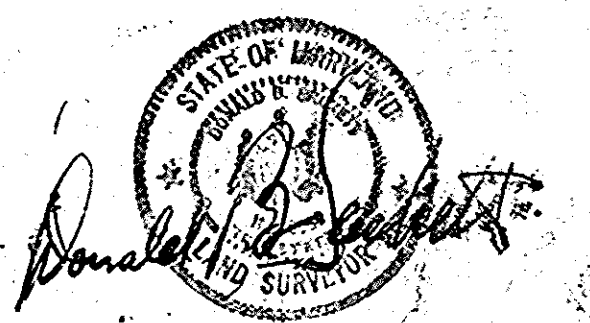
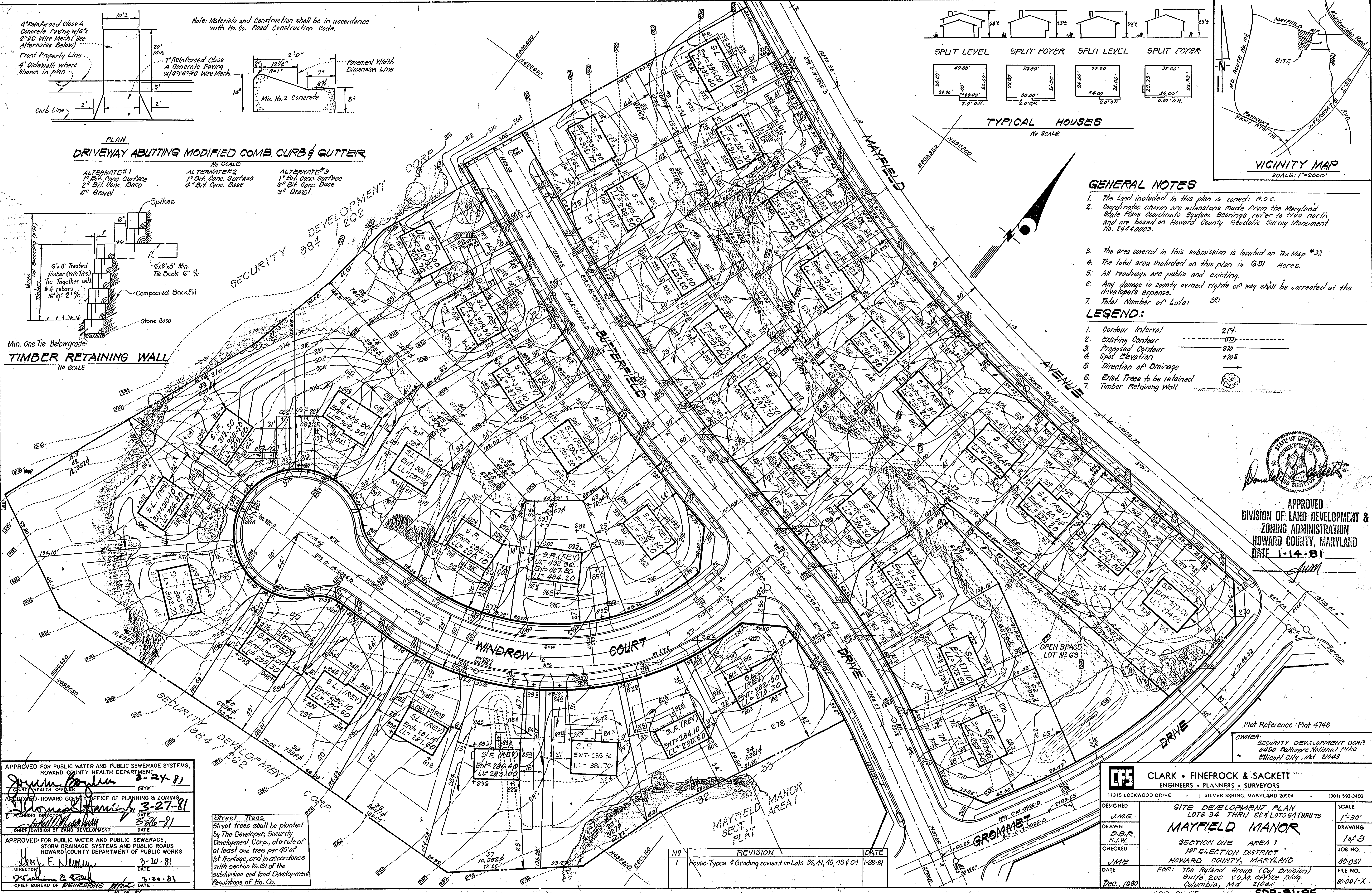
**TIMBER RETAINING WALL**

**GENERAL NOTES**

- The Land included in this plan is zoned: R.S.C.
- Coordinates shown are extensions made from the Maryland State Plane Coordinate System. Bearings refer to true north and are based on Howard County Geodetic Survey Monument No. 2444.0003.
- The area covered in this submission is located on Tax Map #37.
- The total area included on this plan is 6.51 Acres.
- All roadways are public and existing.
- Any damage to county owned rights of way shall be corrected at the developer's expense.
- Total Number of Lots: 30

**LEGEND:**

- Contour Interval 2'±
- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Drainage
- Exist. Trees to be retained
- Timber Retaining Wall



APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 1-14-81

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE 2-24-81

APPROVED BY HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE 3-27-81

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 3-20-81

Street trees shall be planted by the Developer, Security Development, Corp., at a rate of at least one tree per 40' of lot frontage, and in accordance with section 16.131 of the subdivision and land development regulations of Ho. Co.

NO	REVISION	DATE
1	House Types & Grading revised on Lots 36, 41, 45, 49 & 64	1-28-81

**CLARK • FINEPROCK & SACKETT**  
ENGINEERS • PLANNERS • SURVEYORS  
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 (301) 593 3400

DESIGNED: J.M.E.  
DRAWN: D.B.R.  
CHECKED: K.I.W.  
DATE: DEC, 1980

**SITE DEVELOPMENT PLAN**  
LOTS 34 THRU 62 & LOTS 64 THRU 73  
**MAYFIELD MANOR**  
SECTION ONE AREA 1  
1ST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: The Ryland Group (Col. Division)  
Suite 200 V.O.M. OFFICE Bldg.  
Columbia, Md 21044

SCALE: 1"=30'  
DRAWING: 1 of 3  
JOB NO.: 80-031  
FILE NO.: 80-031-X

Plot Reference: Plat 4748  
OWNER: SECURITY DEVELOPMENT CORP.  
6430 Baltimore National Pike  
Ellicott City, Md 21043

**DEVELOPER'S/BUILDER'S CERTIFICATE**

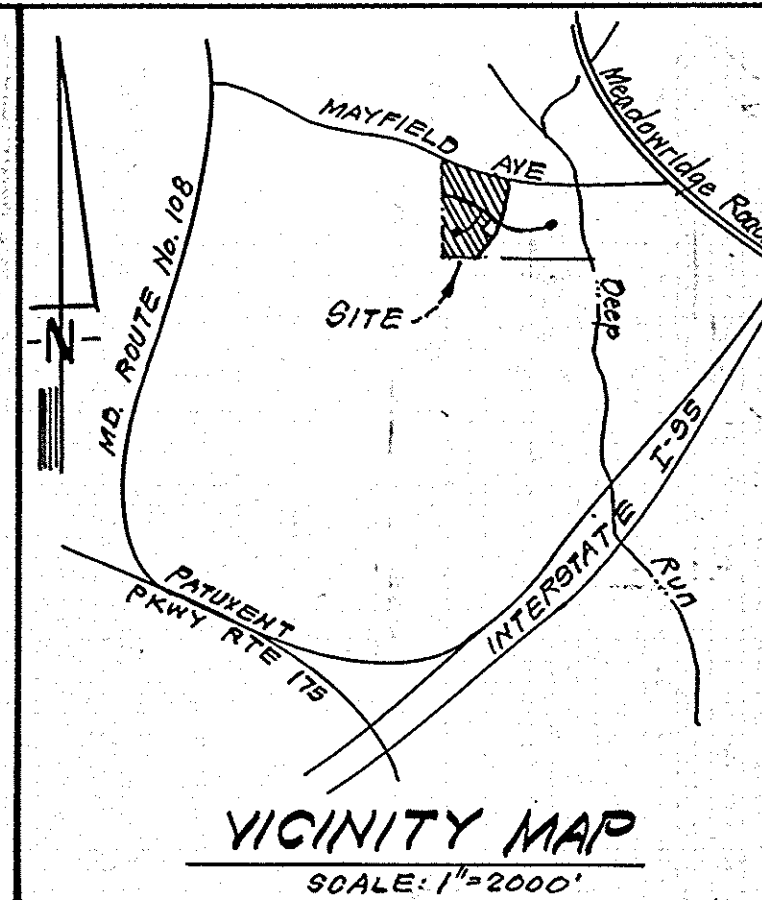
"We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training 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."

*Paul Montgomery* 12/16/80  
Signature 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."

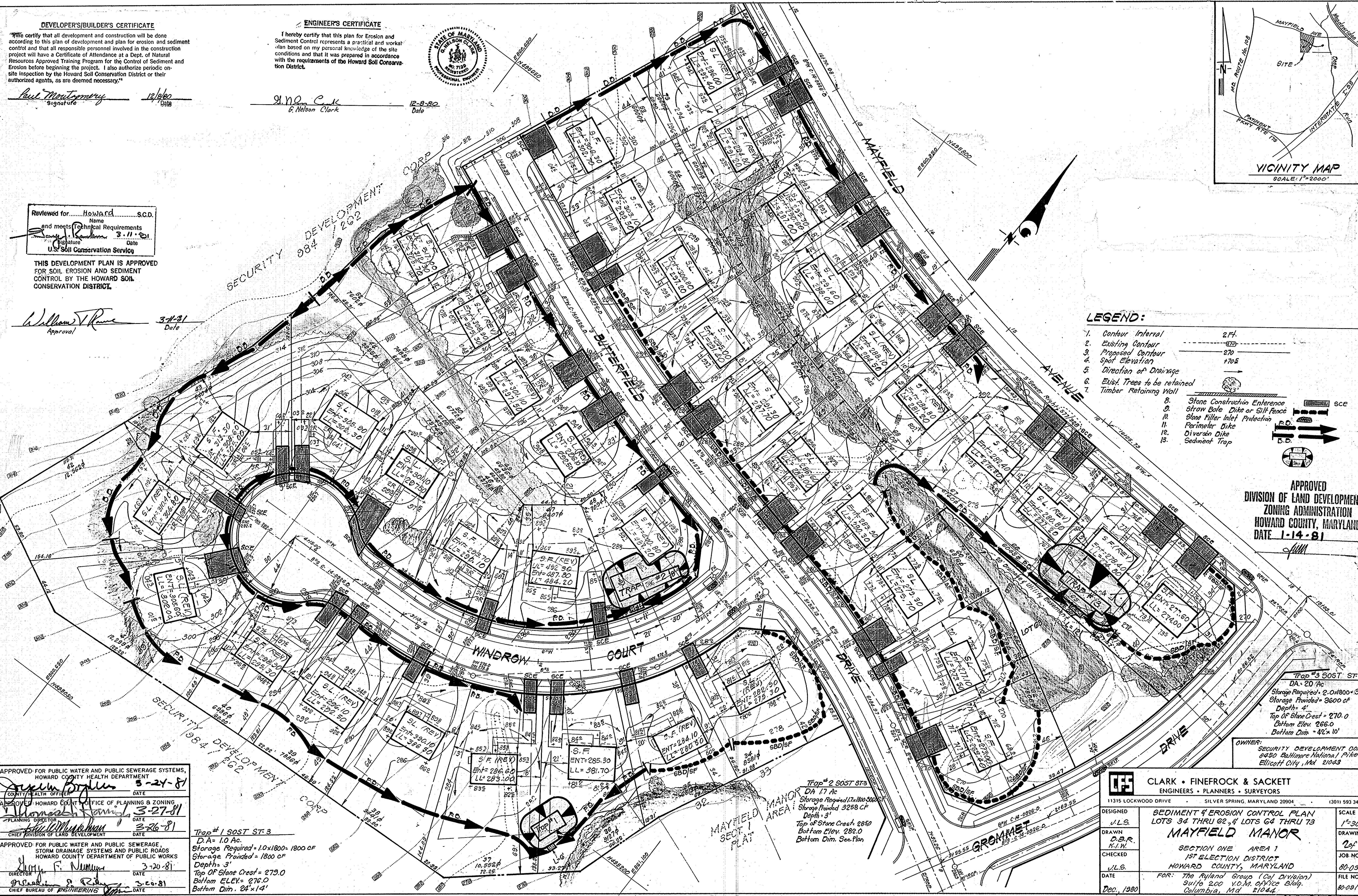
*G. Nelson Clark* 12-8-80  
Signature Date



Reviewed for Howard S.C.D. Name  
and meets Technical Requirements  
*[Signature]* 3-11-81 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. Rowe* 3-1-81  
Approval Date



**LEGEND:**

1. Contour Interval	2 Ft.
2. Existing Contour	--- 270 ---
3. Proposed Contour	--- 270 ---
4. Spot Elevation	+70.5
5. Direction of Drainage	→
6. Exist. Trees to be retained	(Tree Symbol)
7. Timber Retaining Wall	(Wall Symbol)
8. Stone Construction Entrance	(Stone Wall Symbol)
9. Straw Bale Dike or Silt Fence	(Straw Bale Symbol)
10. Stone Filter Inlet Protection	(Stone Inlet Symbol)
11. Perimeter Dike	(Dashed Line Symbol)
12. Diversion Dike	(Dashed Line Symbol)
13. Sediment Trap	(Trap Symbol)

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 1-14-81

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
*[Signature]* 3-24-81  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*[Signature]* 3-27-81  
PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 3-26-81  
CHIEF DIVISION OF LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 3-20-81  
DIRECTOR DATE

*[Signature]* 3-20-81  
CHIEF BUREAU OF ENGINEERING DATE

Trap #1 SOST ST-3  
D.A. = 1.0 Ac.  
Storage Required = 1.0 x 1800 = 1800 CF  
Storage Provided = 1800 CF  
Depth = 3'  
Top of Stone Crest = 279.0  
Bottom Elev. = 276.0  
Bottom Dim. 24' x 14'

Trap #2 SOST ST-3  
D.A. = 1.7 Ac.  
Storage Required = 1.7 x 1800 = 3060 CF  
Storage Provided = 3258 CF  
Depth = 3'  
Top of Stone Crest = 285.0  
Bottom Elev. = 282.0  
Bottom Dim. See Plan

Trap #3 SOST ST-3  
D.A. = 2.0 Ac.  
Storage Required = 2.0 x 1800 = 3600 CF  
Storage Provided = 3600 CF  
Depth = 4'  
Top of Stone Crest = 270.0  
Bottom Elev. = 266.0  
Bottom Dim. = 42' x 10'

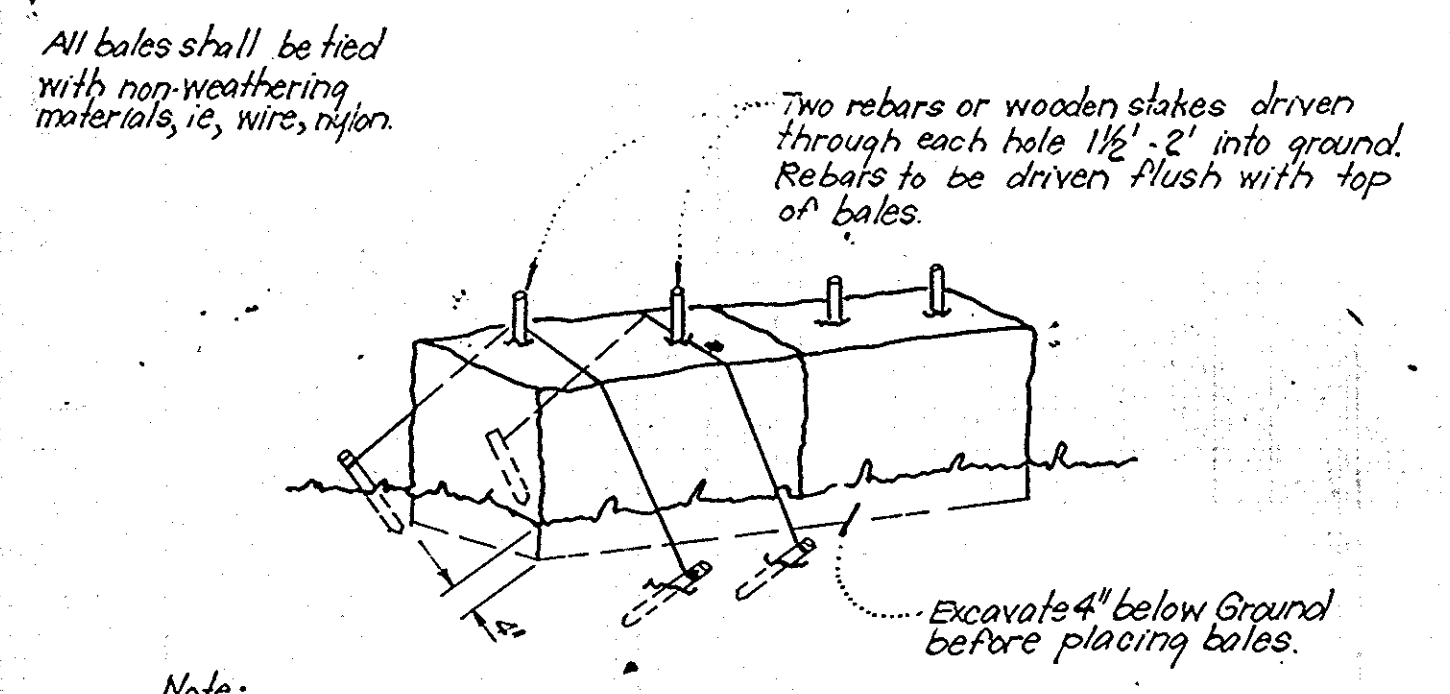
OWNER: SECURITY DEVELOPMENT CORP.  
0450 Baltimore National Pike  
Ellicott City, Md. 21043

<b>CLARK • FINEROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS		SCALE 1"=30'
DESIGNED J.L.S.	SEDIMENT & EROSION CONTROL PLAN LOTS 34 THRU 82, & LOTS 64 THRU 73 <b>MAYFIELD MANOR</b>	DRAWING 2 of 3
DRAWN D.B.R. K.I.W.		JOB NO. 80-091
CHECKED J.L.S.	SECTION ONE AREA 1 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO. 80-091-SE
DATE Dec., 1980	FOR: The Ryland Group (Col. Division) Suite 200 N.O.M. Office Bldg. Columbia, Md. 21044.	

**GENERAL NOTES**

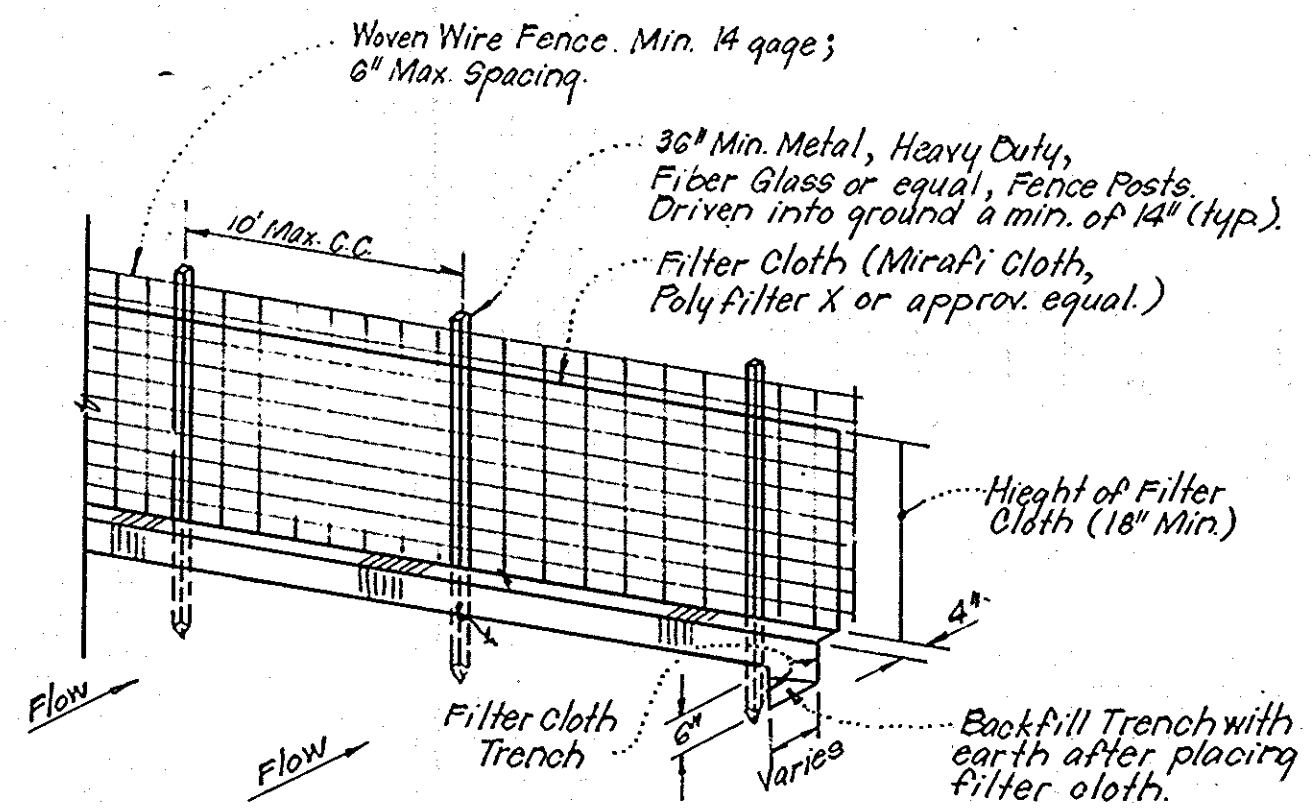
- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
- All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See note #6 for stabilization except that the seed mixture will be annual rye applied at a rate of 1.4 lbs/1000 s.f.
- 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 grading shall be treated in accordance with the following Specifications:
  - Seed - certified 85% germination applied at the rate of 3 lbs/1000s.f. Mixture - 40% Kentucky Blue, 20% chewing Fescue, 20% Kentucky 31 and 20% annual rye.
  - Fertilizer - 10-10-10 applied at a rate of 23 lbs/1000s.f. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 90 lbs/1000s.f.
  - Mulch - Weed free grain straw applied at a rate of 20 lbs/1000s.f. Mulch shall be secured to the ground by any approved method i.e.; asphalt tacks, chemical binder, etc.
  - All Sod 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 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 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.
- Stabilized Construction Entrances shall be placed at all construction entrances.
- If houses are to be constructed on an "As-Sold" basis of random, Single Lot Sediment Control, as shown on this sheet, shall be implemented.
- Total Amount of Straw Bales or Silt Fence shown = 200 LF
- SITE ANALYSIS:
 

A. Total Area:	<u>6.574</u>	Acres
B. Area to be Roofed:	<u>0.870</u>	Acres
C. Area to be Paved:	<u>0.463</u>	Acres
D. Area to be Seeded:	<u>3.973</u>	Acres
E. Area Undisturbed:	<u>1.259</u>	Acres
- 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.
- 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.



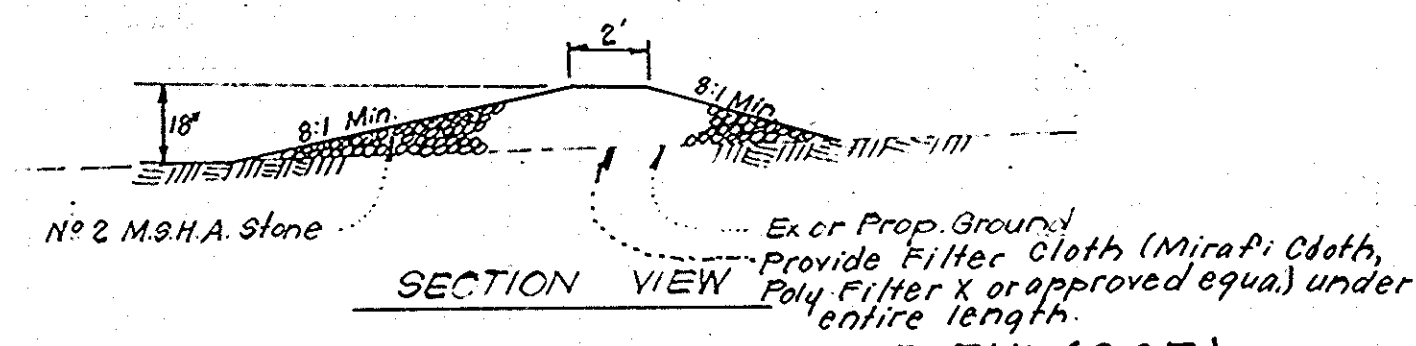
Note:  
1. In lieu of the use of rebar each straw bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above.)

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

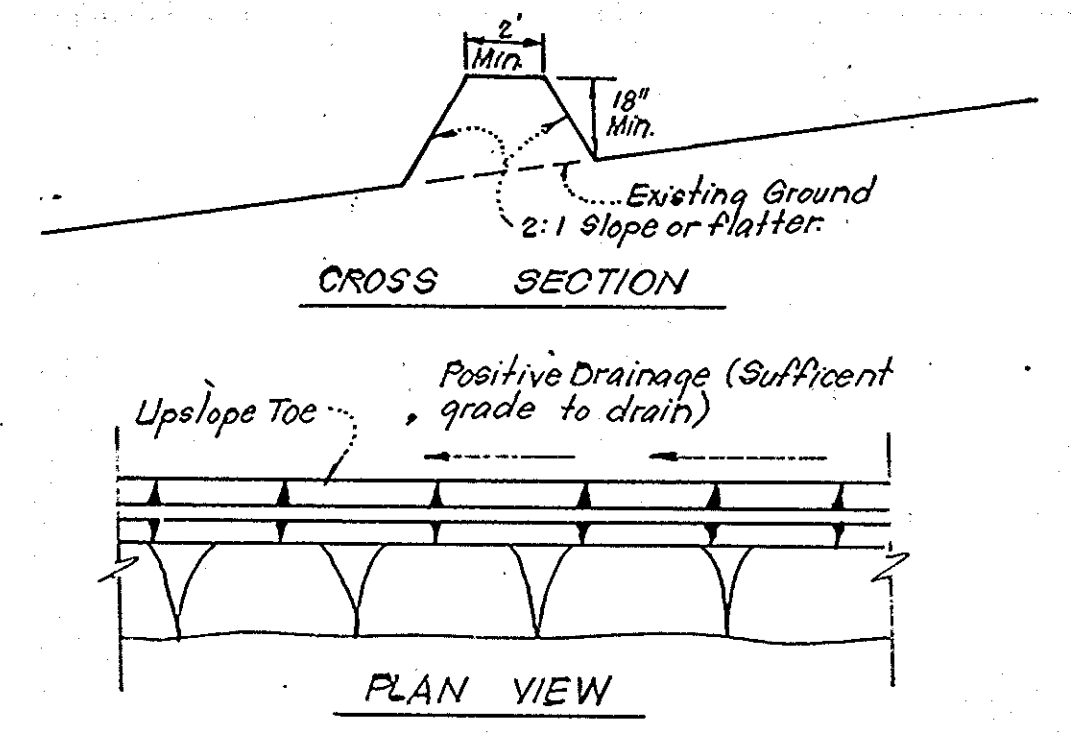


Notes:  
1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.  
2. Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24" x 24"

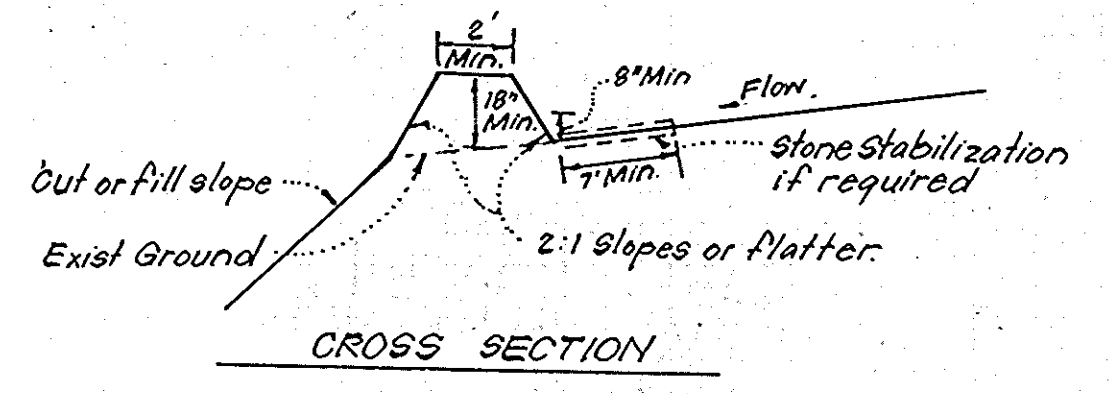
**TYPICAL SILT FENCE DETAIL (S.F.)**  
No Scale



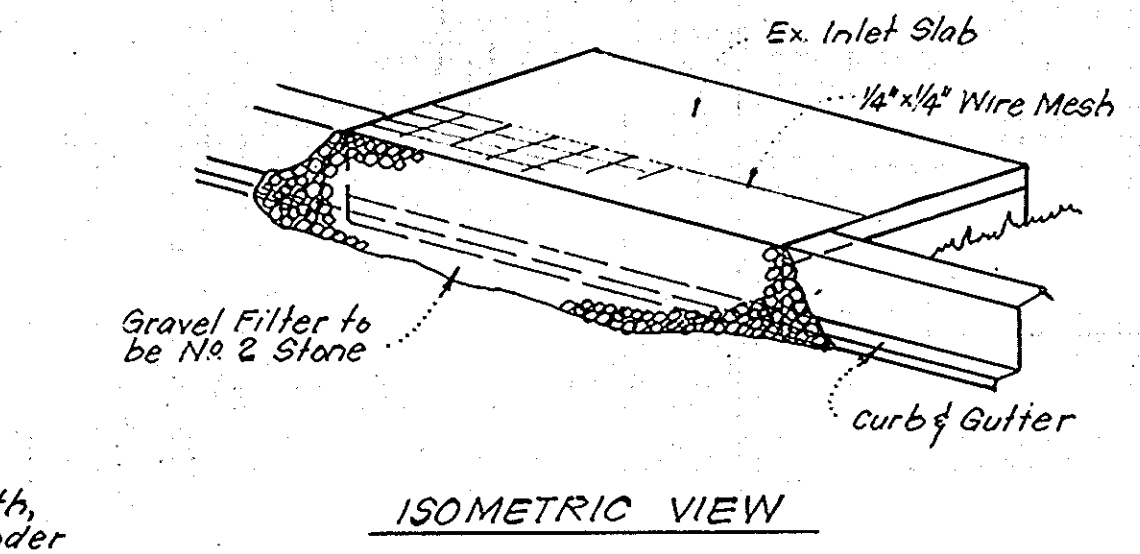
**STONE CONSTRUCTION ENTRANCE DETAIL (S.C.E.)**  
No Scale



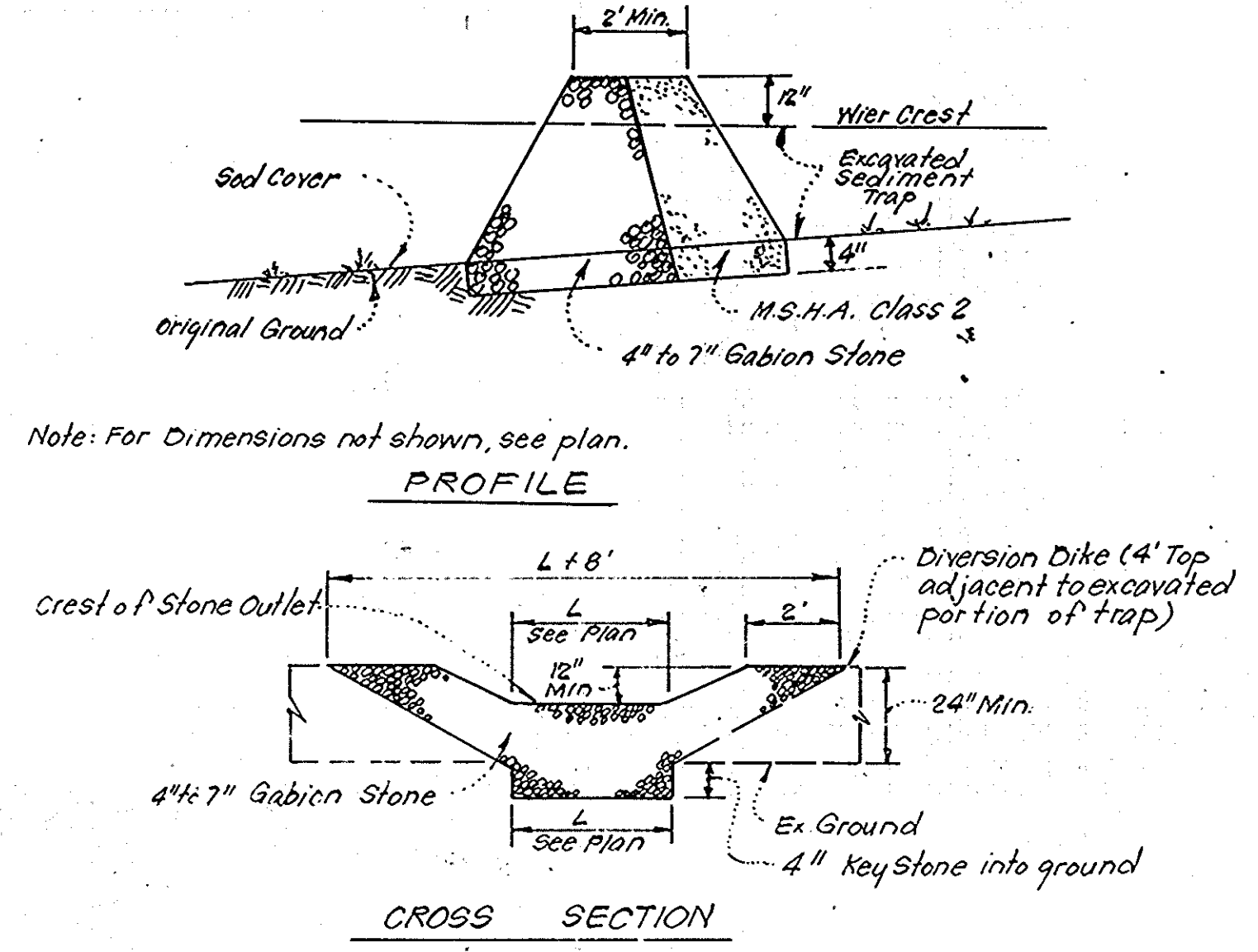
**TYPICAL PERIMETER DIKE DETAIL (P.D.)**  
No Scale



**TYPICAL DIVERSION DIKE DETAIL (D.D.)**  
No Scale

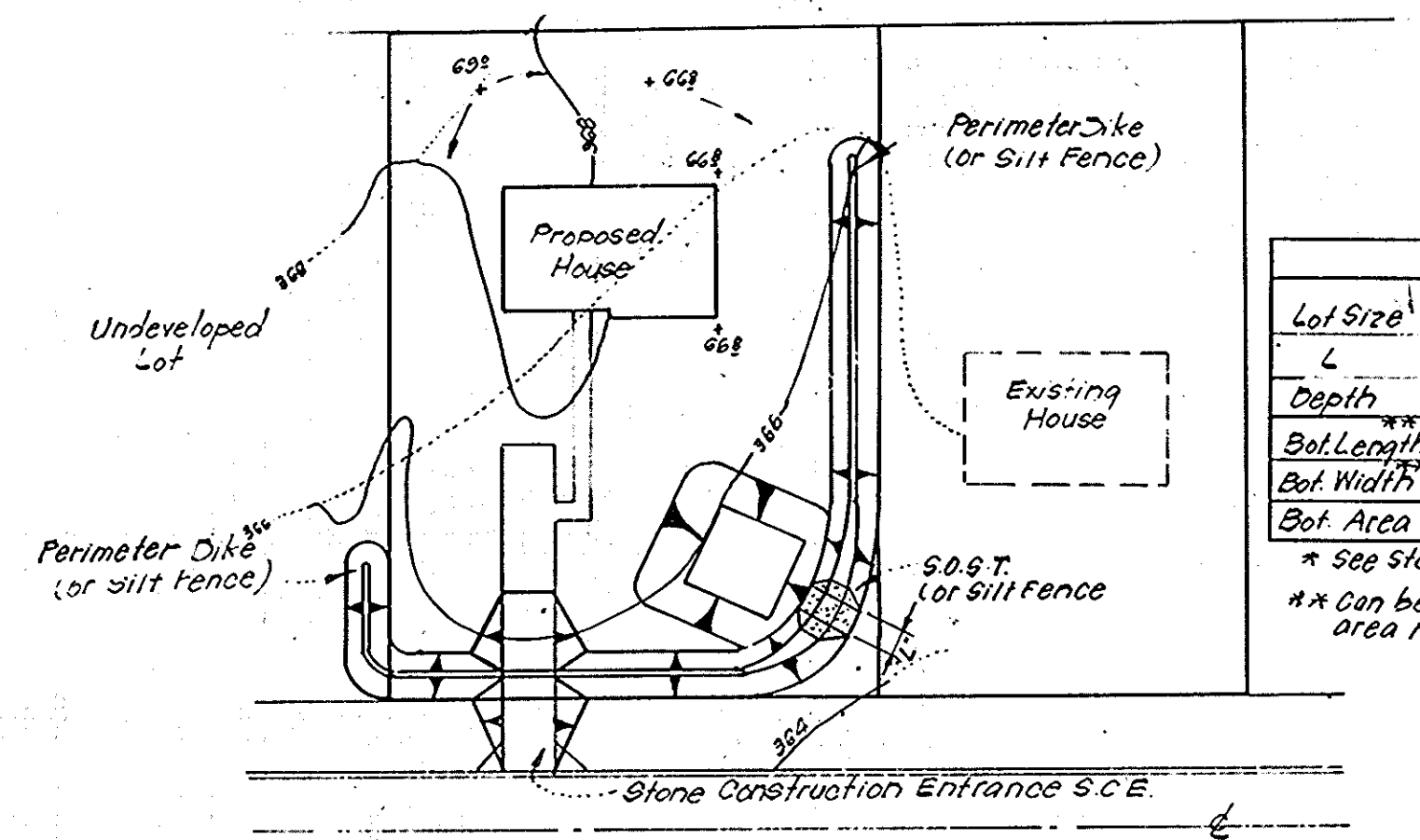


**STONE FILTER INLET PROTECTION (S.F.I.P.)**  
No Scale



Notes:  
1. Sediment Trap to be cleaned out when sediment reaches a level of 1 ft below crest of stone outlet.  
2. Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.  
3. Stone Outlet to be constructed through diversion dike adjacent to excavated portion of sediment trap.

**DETAILS OF STONE FILTER OUTLET (FOR STONE OUTLET SEDIMENT TRAP)**  
No Scale



**TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN**  
No Scale

Lot Size	S.O.S.T.*		
	1/4 Ac	1/2 Ac	1 Ac
L	2'	3'	6'
Depth	2'	2'	2'
Bot Length	11'	26'	26'
Bot Width	11'	11'	26'
Bot Area	121 sq	286 sq	676 sq

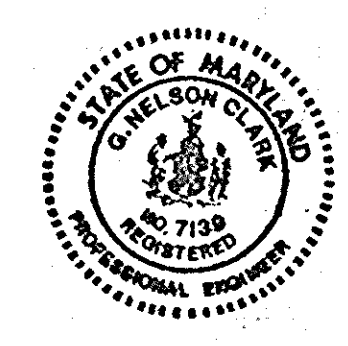
\* See Sid. 57-3 pg 20-07 For det. not shown.  
\*\* Can be adjusted in field but bottom area must be as given or greater.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: [Signature] DATE: 3-24-81  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: [Signature] DATE: 3-27-81  
 CHIEF DIVISION OF LAND DEVELOPMENT  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature] DATE: 3-20-81  
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 3-20-81

Reviewed for Howard S.C.D. Name  
 and meets [Signature] Original Requirements Date: 3-11-81  
 U.S. Soil Conservation Service  
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
[Signature] Approved Date: 3-11-81

**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."  
[Signature] Date: 12/6/80

**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] Date: 12-8-80



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

DESIGNED: J.L.S. SCALE: As Shown  
 DRAWN: D.B.R. DRAWING: 3 of 3  
 CHECKED: J.L.S. JOB NO.: 80-081  
 DATE: Dec., 1980 FILE NO.: 80-081-SE

**SEDIMENT & EROSION CONTROL PLAN**  
 LOTS 34 THRU 62, & LOTS 64 THRU 73  
**MAYFIELD MANOR**  
 SECTION ONE AREA 1  
 1ST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 FOR: The Ryland Group (Col. Division)  
Suite 200 V.O.M. Office Bldg.  
Columbia, Md 21044

SDP-81-85

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE: 1-14-81  
[Signature]