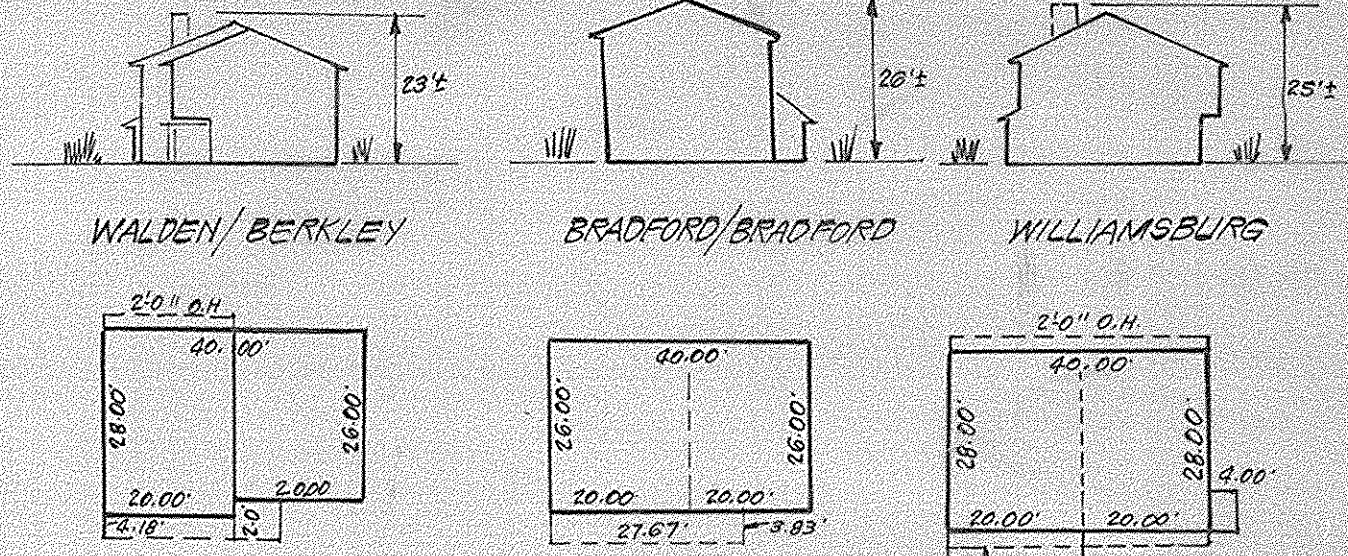
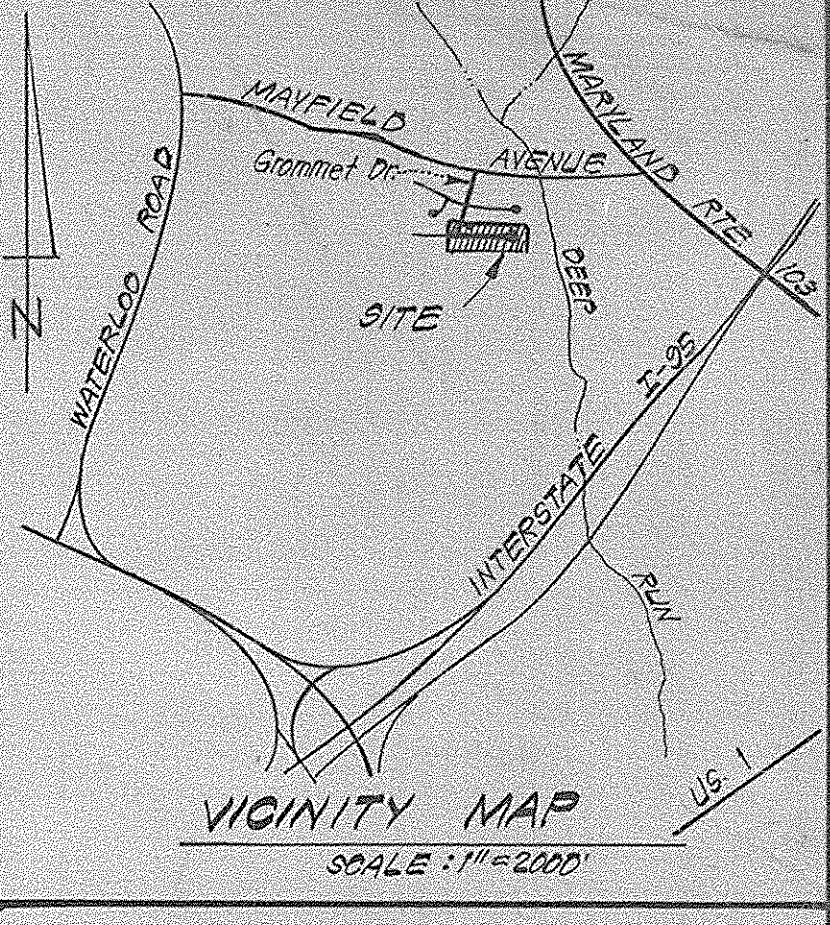


Note: Materials and Construction shall be in accordance with Ho. Co. Road Construction Code.



TYPICAL HOUSES
NO SCALE

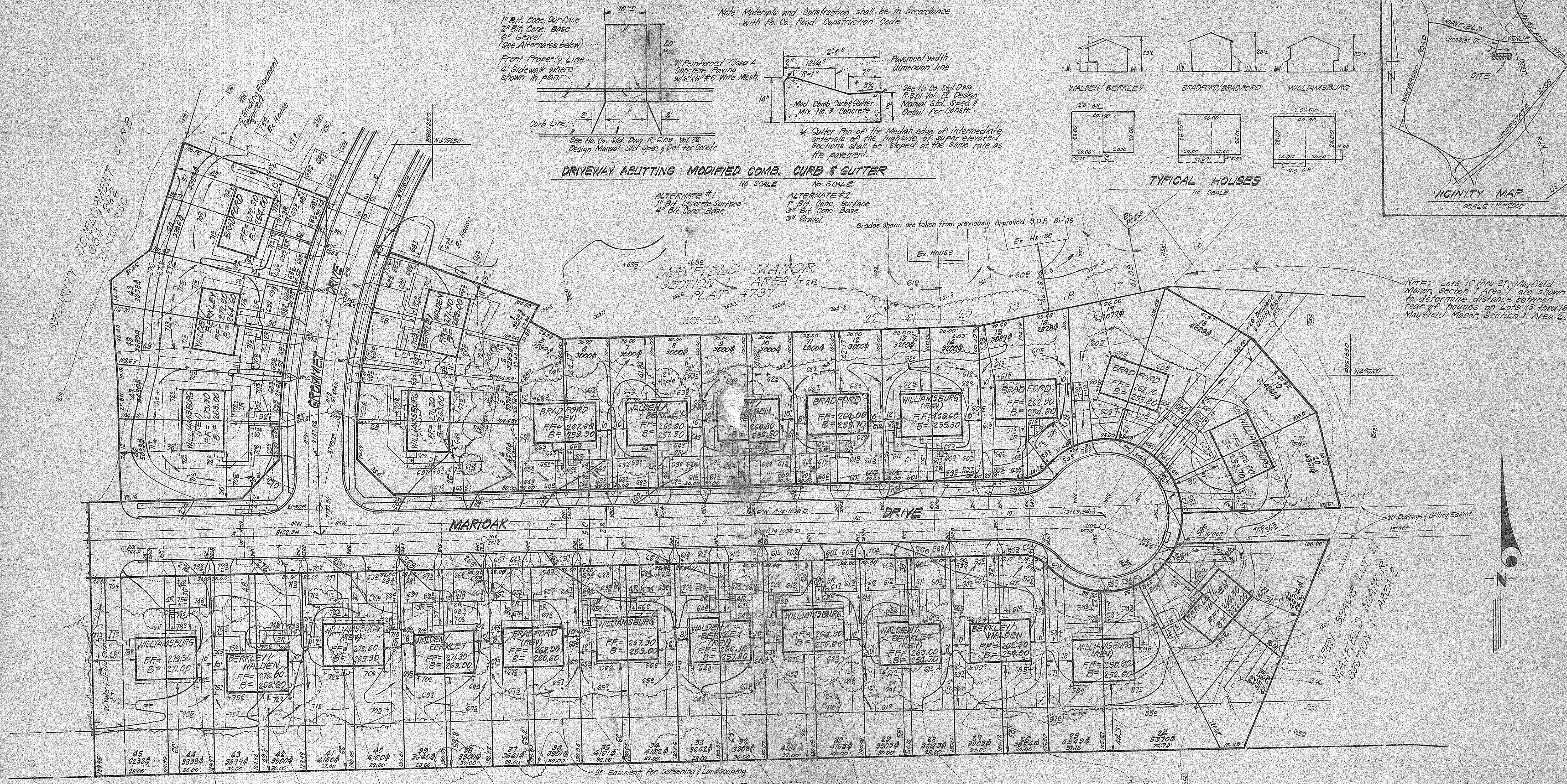


VICINITY MAP
SCALE: 1"=200'

DRIVEWAY ABUTTING MODIFIED CURB & GUTTER

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

Grades shown are taken from previously Approved S.D.P. 81-75



NOTE: Lots 16 thru 21, Mayfield Manor, Section 1 Area 2, are shown to determine distance between rear of houses on Lots 13 thru 18, Mayfield Manor, Section 1 Area 2.

GENERAL NOTES:

- The Land included in this plan is zoned: RSC.
- Coordinates shown are extensions made from Maryland State Plane Coordinates System. Bearings refer to true north and are based on Ho. Co. Geodetic Survey Monuments No. 24440000.
- The area covered in this submission is located on Tax Map #37.
- The total area included on this plan is 4.392 Acres.
- All Roadways are public & existing.
- Any damage to county owned rights of way shall be corrected at the developer's expense.
- Total Number of lots 50.

LEGEND:

- Contour Interval 2'⁺
- Existing Contour - - - - -
- Proposed Contour - - - - -
- Spot Elevation + 64'
- Direction of Drainage →
- Existing Trees to be retained

STREET TREES
Street trees shall be planted by the developer, Security Development Corp., at a rate of at least one tree per 40' of Lot Frontage, on in accordance with Section 16.131 of the Subdivision and Land Development Regulations of Howard County.

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

COUNTY HEALTH OFFICER: [Signature] DATE: 8-19-82

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

PLANNING DIRECTOR: [Signature] DATE: 8-19-82

ACTING CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMIN. DATE: 8-11-82

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

DIRECTOR: [Signature] DATE: 8-11-82

CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 8-11-82

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 7-30-82
JFD

Recording Ref: Plat 5254

CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS

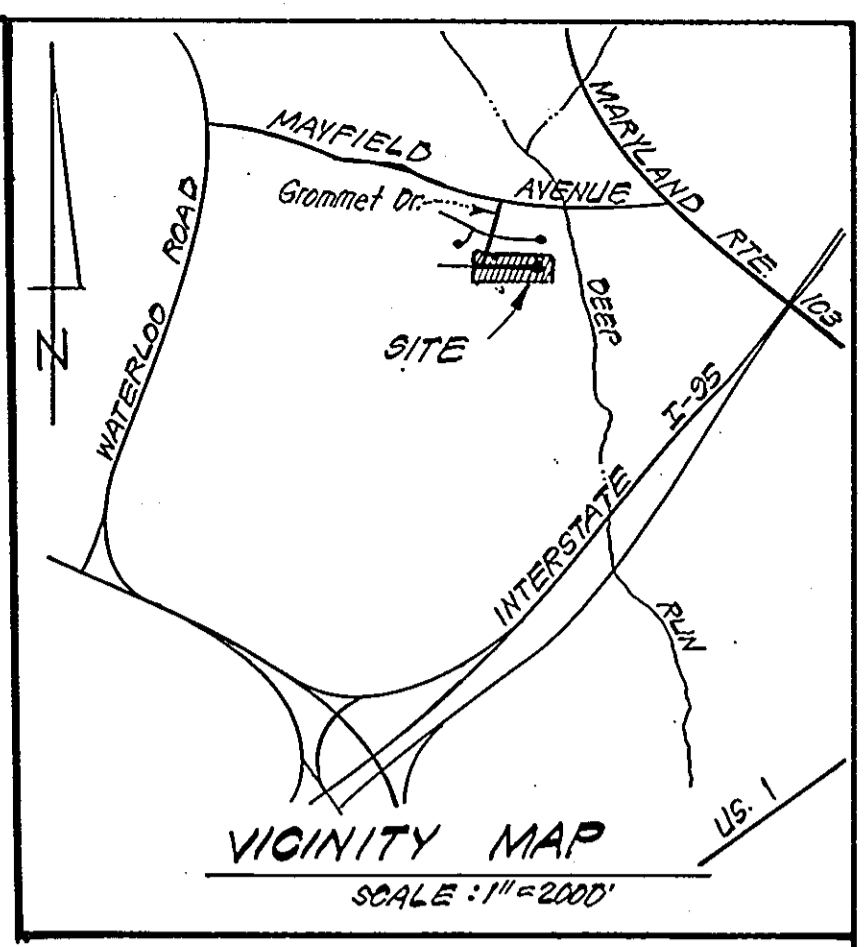
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: J.M.E. DATE: 8-25-82
DRAWN: K.I.W.
CHECKED: J.M.E.
DATE: 8-25-82

SITE DEVELOPMENT PLAN
LOTS 1 THRU 51
MAYFIELD MANOR
SECTION 1 AREA 2
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: The Roland Group Inc. (Columbia Division)
Suite 200 V.O.M. Office Building
Columbia, Md. 21044

SCALE: 1"=30'
DRAWING: 10' 3
JOB NO: 82-026
FILE NO: 82-026-K



TRAP#1 S.O.S.T. ST-3
 D.A. = 0.5 Acre
 Storage Req'd = 0.5 x 1300 = 900 C.F.
 Storage Provided = 900 C.F.
 Depth = 3'
 Top of Stone Crest = 260.0
 Bottom Elev. = 266.0
 Bottom Dimensions = 9' x 14'

NOTE: Lots 16 thru 21, Mayfield Manor, Section 1 Area 1 are shown to determine distance between rear of houses on Lots 13 thru 18, Mayfield Manor, Section 1 Area 2.

TRAP#5 S.O.S.T. ST-3
 D.A. = 0.9 Acre
 Storage Req'd = 0.9 x 1800 = 1620 C.F.
 Storage Provided = 1620 C.F.
 Depth = 3'
 Top of Stone Crest = 257.0
 Bottom Elev. = 254.0
 Bottom Dim. = 24' x 12'

TRAP#4 S.O.S.T. ST-3
 D.A. = 0.5 Acre
 Storage Req'd = 0.5 x 1800 = 900 C.F.
 Storage Provided = 900 C.F.
 Depth = 3'
 Top of Stone Crest = 258.0
 Bottom Elev. = 255.0
 Bottom Dim. = 9' x 14'

TRAP#2 S.O.S.T. ST-3
 D.A. = 0.5 Acre
 Storage Req'd = 0.5 x 1800 = 900 C.F.
 Storage Provided = 900 C.F.
 Depth = 3'
 Top of Stone Crest = 263.5
 Bottom Elev. = 266.5
 Bottom Dimensions = 9' x 14'

TRAP#3 S.O.S.T. ST-3
 D.A. = 0.5 Acre
 Storage Req'd = 0.5 x 1800 = 900 C.F.
 Storage Provided = 900 C.F.
 Depth = 3'
 Top of Stone Crest = 262.3
 Bottom Elev. = 259.3
 Bottom Dimensions = 9' x 14'

LEGEND:

1. Contour Interval 2 Ft.
2. Existing Contour
3. Proposed Contour
4. Spot Elevation
5. Direction of Drainage
6. Existing Trees to be retained
7. Perimeter Dike
8. Diversion Dike
9. Stone Construction Entrance
10. Stone Filter Inlet Protection
11. Straw Bale Dike/Silt Fence

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE **7-30-82**
 L.D.



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
 G. Nelson Clark
 Date 6-29-82

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 deemed necessary."

Maurice M. Simpkins
 Maurice M. Simpkins
 Date 6-29-82

Reviewed for... Howard... S.C.D.
 Name
 and meets Technical Requirements
G. Nelson Clark
 Signature Date 8-13-82
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

William V. Rowe
 Approved Date 8-13-82

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
John F. Nunn
 DATE 8-18-82

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
William V. Rowe
 DATE 8-23-82

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John F. Nunn
 DATE 8-17-82

CHIEF BUREAU OF ENGINEERING
William V. Rowe
 DATE 8-11-82

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

DESIGNED *J.M.E.*
 DRAWN *V.L.B. K.I.W.*
 CHECKED *J.M.E.*
 DATE 6-25-82

SEDIMENT & EROSION CONTROL PLAN
 LOTS 1 THRU 51
MAYFIELD MANOR
 SECTION 1 AREA 2
 1ST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: The Ryland Group Inc. (Columbia Division)
 Suite 400 V.O.M. Office Building
 Columbia, Md.

SCALE 1"=30'
 DRAWING 20F 3
 JOB NO. 82-026
 FILE NO. 82-026-SE

S.D.P. 82-151

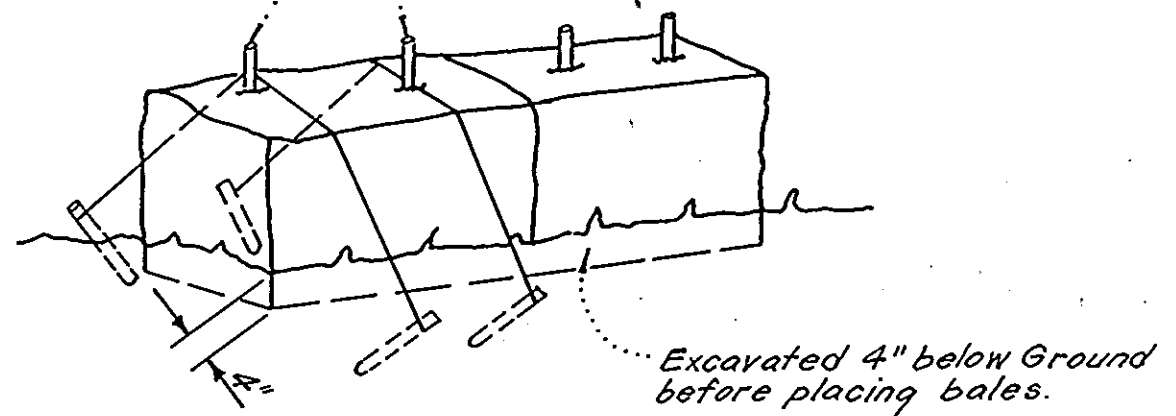
GENERAL NOTES

- 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 14 lbs./1000 sf.
- 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 disturbed area to be stabilized in accordance with the following Specifications:
 - Seed - certified 85% germination applied at the rate of 3lbs./1000 sf. 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./1000 sf. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 30 lbs./1000 sf.
 - Mulch - Weed free grain straw applied at a rate of 70-90 lbs./1000 sf. Mulch shall be secured to the ground by any approved method i.e.; asphalt tacks, chemical binder etc.
 - All Soil 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.
- 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.
- Total Amount of Straw Bales or Silt Fence shown 625 L.F.
- SITE ANALYSIS:

A. Total Area:	<u>4.392</u> Acres.
B. Area to be Roofed:	<u>0.707</u> Acres.
C. Area to be Paved:	<u>0.564</u> Acres.
D. Area to be Seeded:	<u>2.042</u> Acres.
E. Area Undisturbed:	<u>1.079</u> Acres.
- CONSTRUCTION SEQUENCE:
 - Install Sediment & Erosion Control Devices and Stabilize Diversion Dike.
 - Excavate for Foundations and Rough Grade.
 - Erect Structures, Driveways and Sidewalks.
 - Final Grade and Stabilize in accordance with note #6.
- If houses are to be constructed on an "As-Sold" basis at random, Single Lot Sediment Control, as shown on this sheet, shall be implemented.

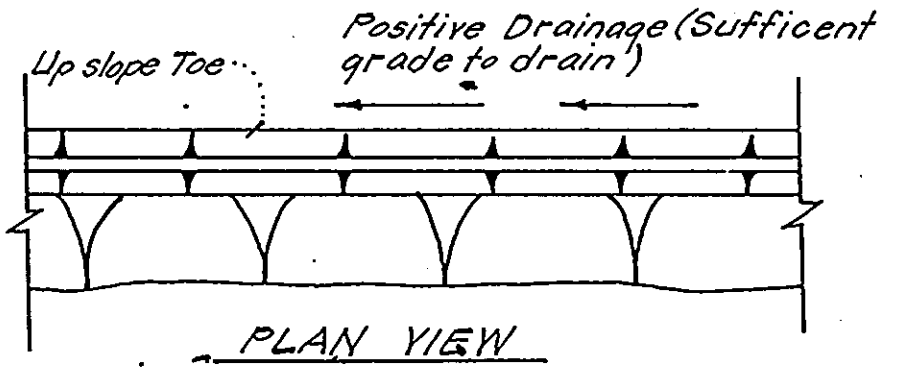
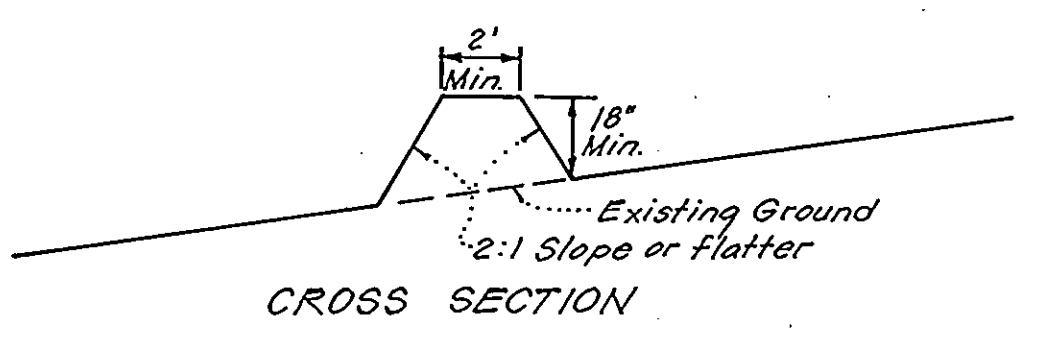
All bales shall be tied with non-weathering materials, i.e., wire, nylon.

Two rebar or wooden stakes driven through each hole 1 1/2'-2' into ground. Rebars to be driven flush with top of bales.

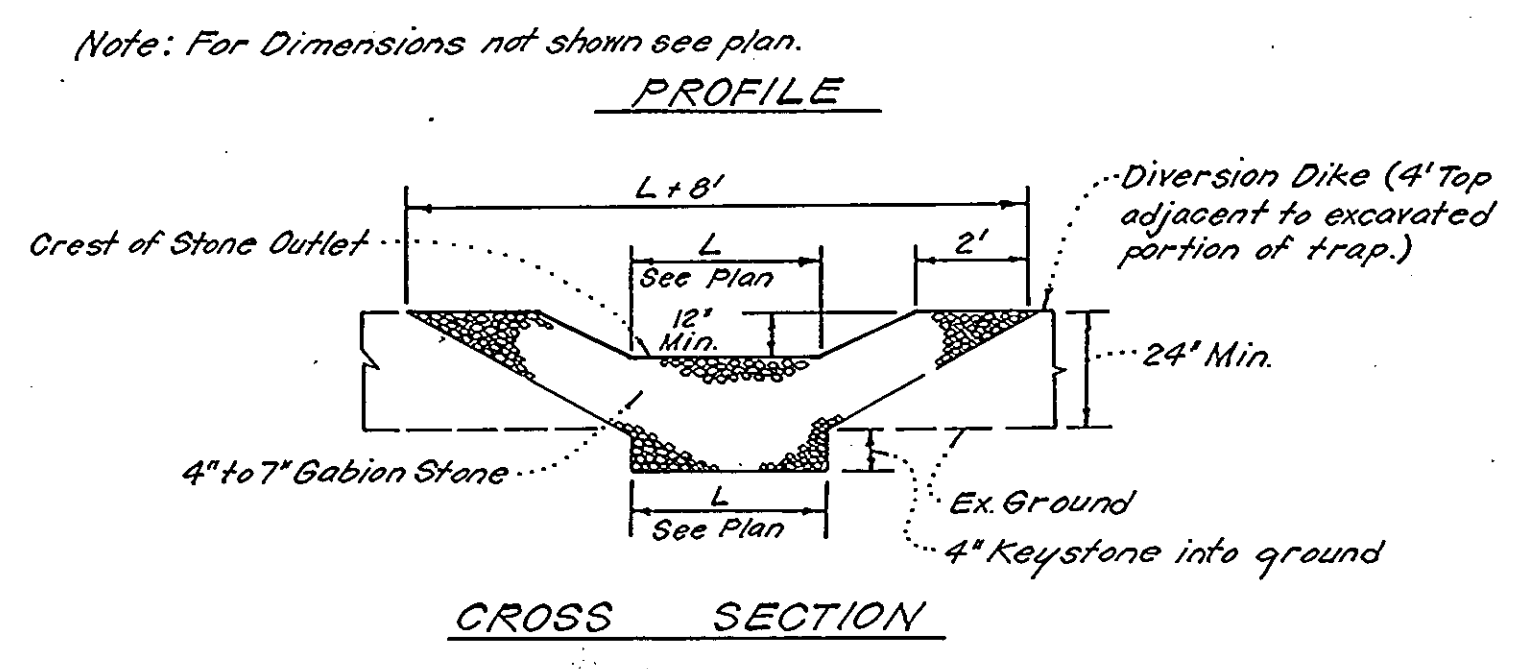
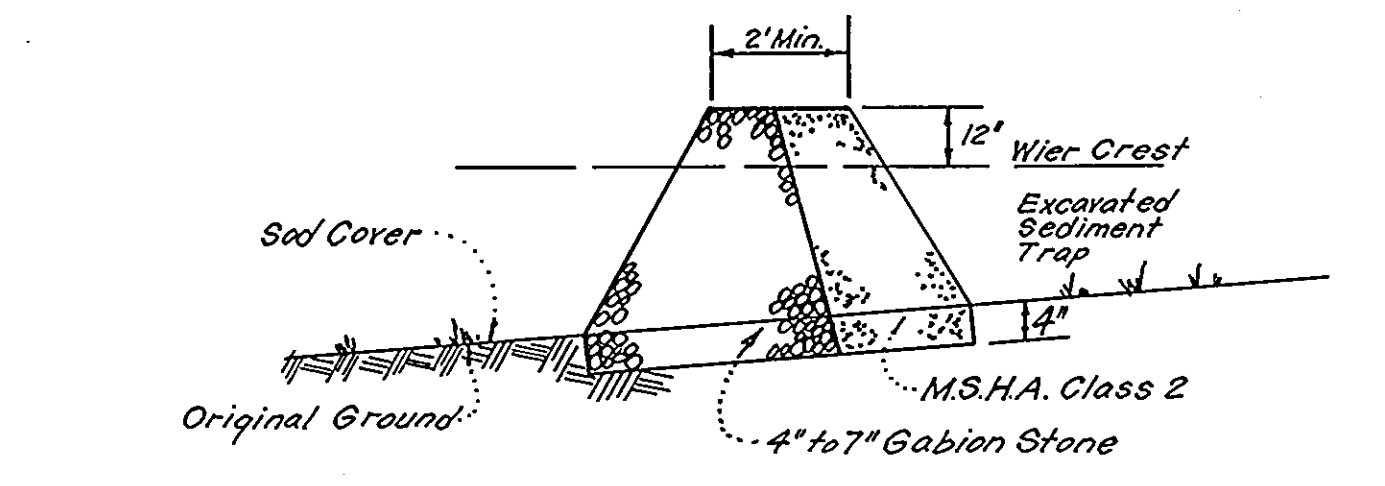


Note:
1. In lieu of the use of rebar each straw bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above.)

STRAW BALE DIKE DETAIL (S.B.D.)
No SCALE

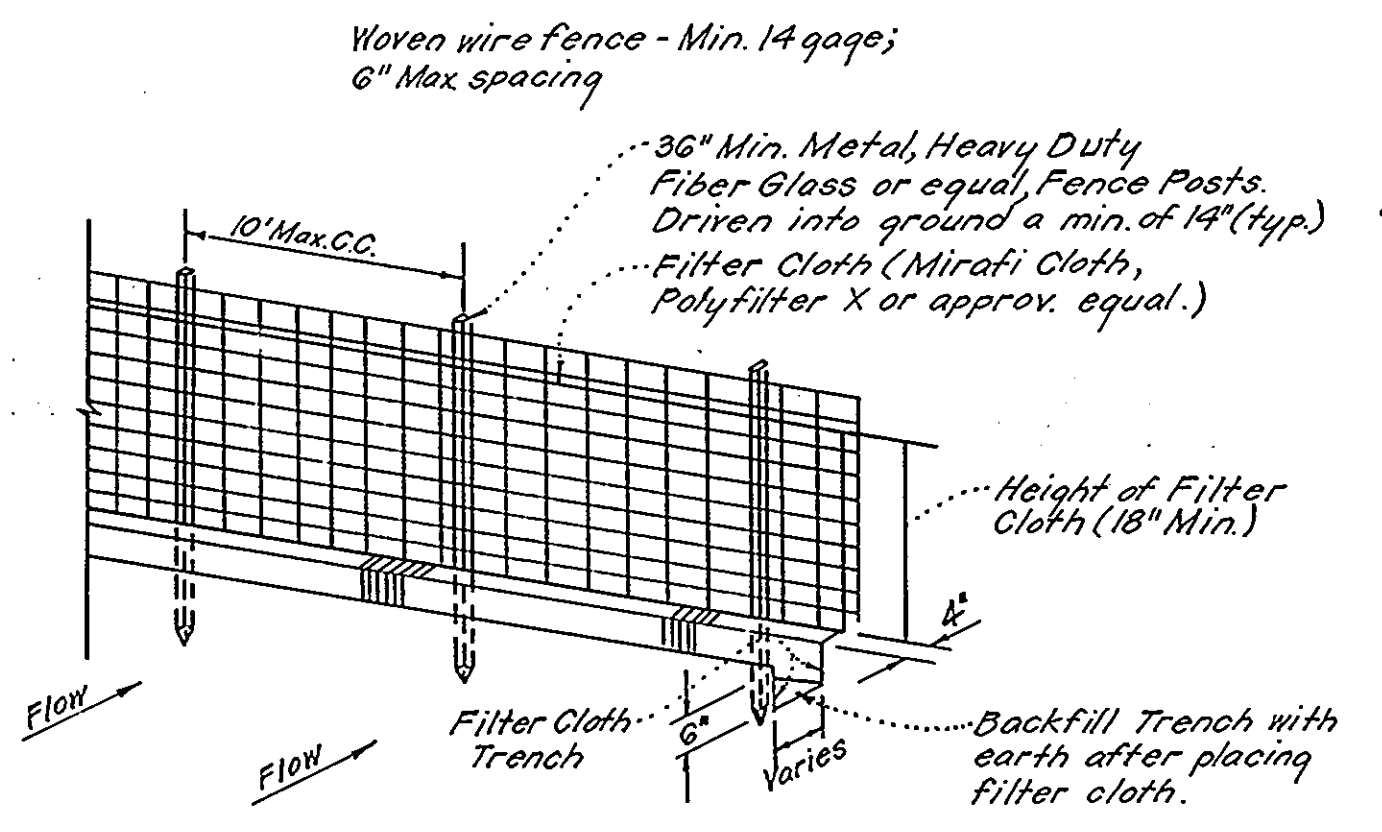


PERIMETER DIKE (P.D.)
No SCALE



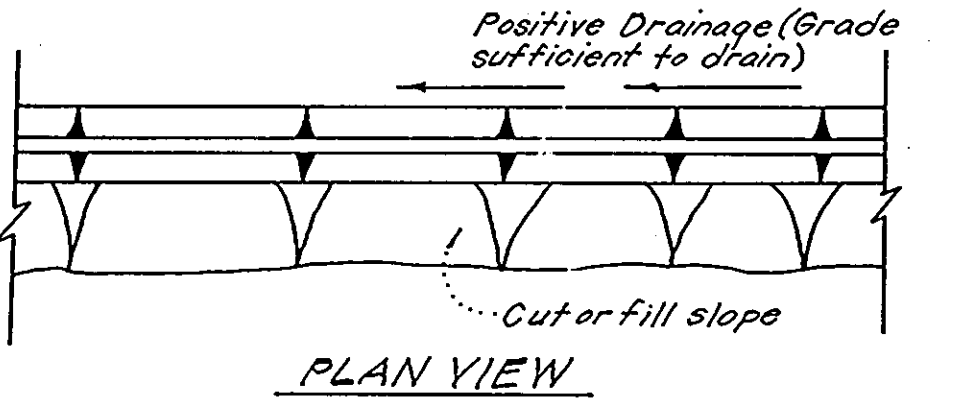
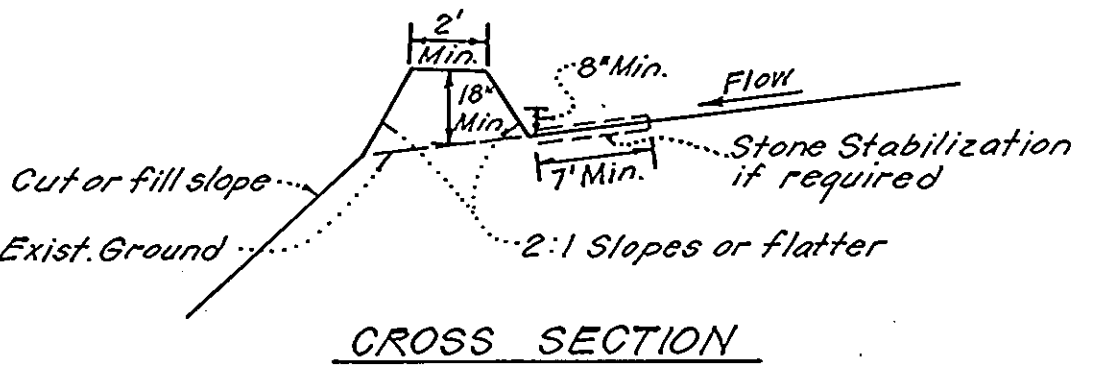
Notes:
1. Sediment Trap to be cleaned out when sediment reaches a level of 1ft. below crest of stone outlet.
2. Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.
3. Stone Outlet to be constructed through diversion dike adjacent to excavated

DETAILS OF STONE FILTER OUTLET FOR STONE OUTLET SEDIMENT TRAP
No SCALE

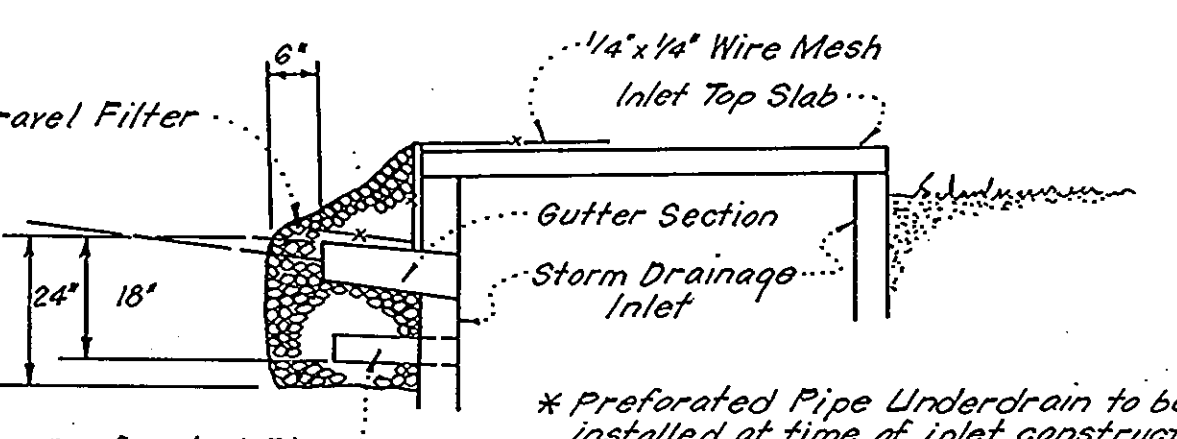
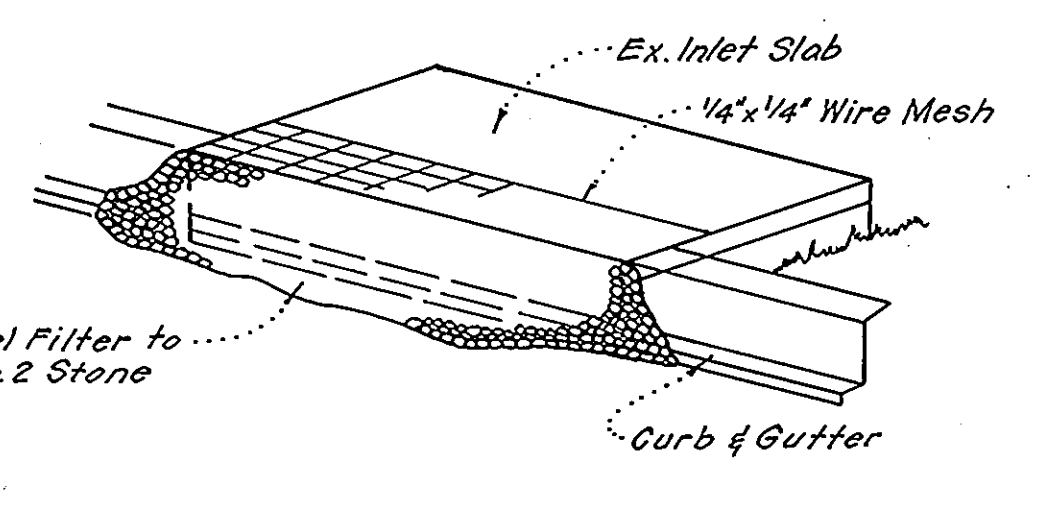


Notes:
1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
2. Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24"x24".

SILT FENCE DETAIL (S.F.)
No SCALE

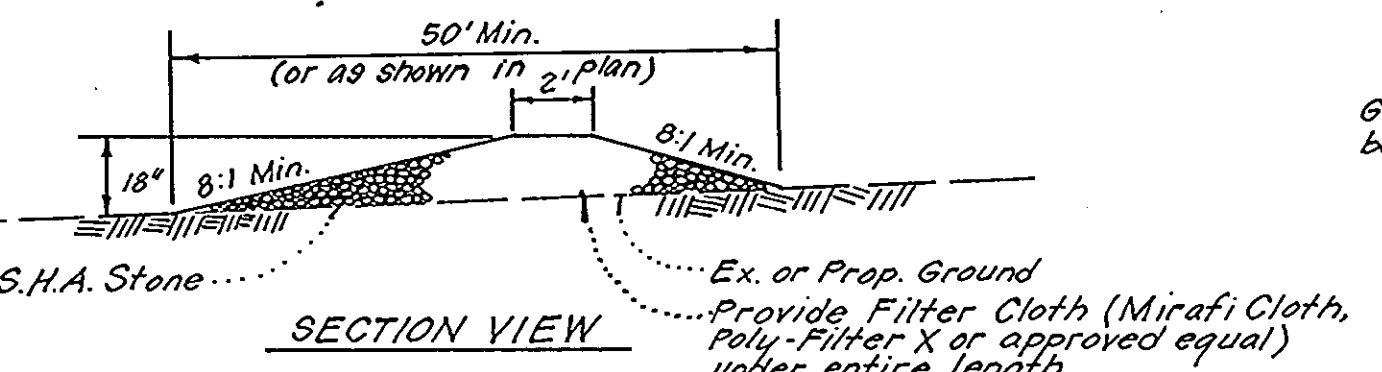


DIVERSION DIKE (D.D.)
No SCALE

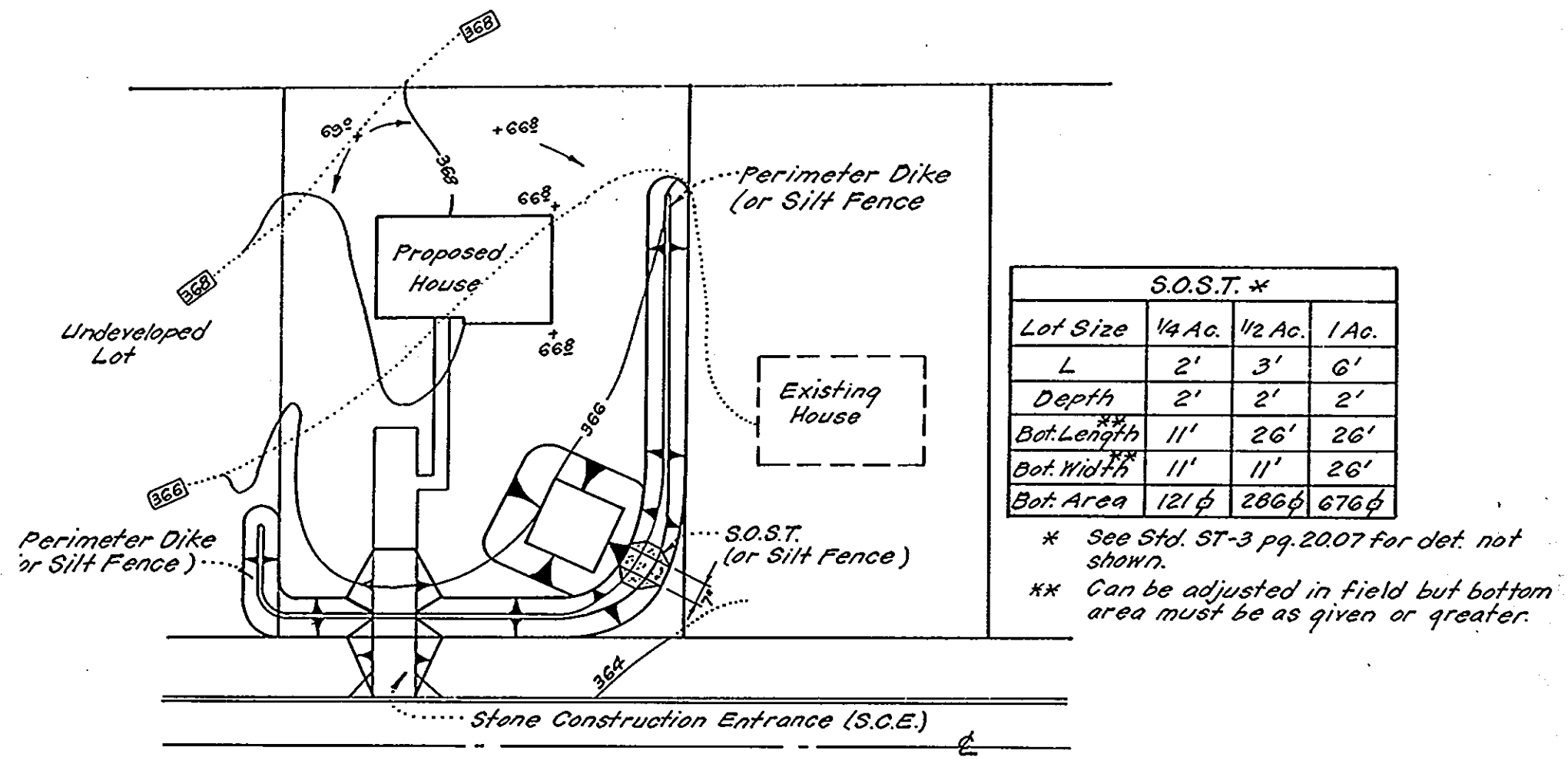


* Prefabricated Pipe Underdrain to be installed at time of inlet construction. Do not install prefabricated pipe and stone below ground if inlet and/or paving are constructed.

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



STONE CONSTRUCTION ENTRANCE (S.C.E.)
No SCALE



S.O.S.T.*			
Lot Size	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	206 sq	676 sq

* See Std. ST-3 pg. 2007 for det. not shown.
** Can be adjusted in field but bottom area must be as given or greater.

SINGLE LOT SEDIMENT CONTROL PLAN
No SCALE



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Reviewed for... Howard S.C.D.
 Name: John M. DeLoach
 Date: 8/13/82
 Signature: [Signature]
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Approved: William F. Rowe 8-13-82

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 of Developer/Builder: Maurice M. Simpkins
 Date: 6-29-82

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: 6-25-82

CLARK • FINEPROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE SILVER SPRING MARYLAND 20904 301 593 3400
 DESIGNED BY: J.M.E.
 DRAWN BY: J.M.E.
 CHECKED BY: V.L.B.
 DATE: 6-25-82
 SCALE: 1"=30'
 DRAWING: 3 of 3
 JOB NO.: 82-026
 FILE NO.: 82-026SE
 SECTION 1 AREA 2
 1ST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: The Ryland Group Inc. (Columbia Division)
 Suite 200 VAM. Office Building
 Columbia, Md. 21044