

NOTE:
Existing Sediment & Erosion Control measures (to remain) are to be left in place, and maintained until drainage areas to them are stabilized. See previously approved plans S.D.P. 83-18 and F-83-20.

- LEGEND:**
- 1. Contour Interval 2.7'
 - 2. Existing Contour
 - 3. Proposed Contour
 - 4. Spot Elevation
 - 5. Direction of Drainage
 - 6. Existing Trees to be Retained
 - 7. Walk Out Basement

TRAP #1 S.O.S.T. (ST-3)
 D.A. = 0.5 Acre
 Storage Required = 0.5(1800) = 900cft
 Storage Provided = 900cft
 Depth = 3'
 Top of Stone Crest = 357.0
 Bottom Elevation = 354.0
 Bottom Dimensions = 9'x14'

TRAP #2 S.O.S.T. (ST-3)
 D.A. = 0.5 Acre
 Storage Required = 0.5(1800) = 900cft
 Storage Provided = 900cft
 Depth = 3'
 Top of Stone Crest = 357.0
 Bottom Elevation = 354.0
 Bottom Dimensions = 9'x14'

- SEDIMENT & EROSION CONTROL LEGEND:**
- 1. Existing Perimeter Dike Ex.P.D.
 - 2. Proposed Perimeter Dike P.D.
 - 3. Existing Diversion Dike Ex.D.D.
 - 4. Existing Straw Bale Dike/Silt Fence Ex.SBD/SF
 - 5. Proposed Straw Bale Dike/Silt Fence SBD/SF
 - 6. Existing Stone Filter Inlet Protection Ex.SFIP
 - 7. Sediment Trap

- CONSTRUCTION SEQUENCE:**
1. Construct Sediment Traps #1 and #2 and Perimeter Dikes
 2. Remove or adjust Sediment & Erosion Control Measures as shown in plan.
 3. Construct remaining sediment & erosion control measures.
 4. Excavate for foundations.
 5. Construct Houses, sidewalks, etc.
 6. Fine grade and stabilize in accordance with Note #6.
 7. Remove sediment & erosion control measures after all areas draining to them have been stabilized.

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 1-17-83



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE 1-83

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DATE 2-2-83

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 1-31-83

Reviewed for Howard S.C.E.
 Name
 and meets Technical Requirements
 Signature Date 1-27-83
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR CONSTRUCTION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT.
 Approved Date 1/21/83

DEVELOPER'S/BUILDER'S CERTIFICATE
 I certify that all development and construction will be done in accordance with the plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this project 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 is deemed necessary.
 Signature of Developer/Builder Date 1/1/83

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
 Signature of Engineer Date 11-1-82

Plot Ref.: PLAT 5311

CLARK • FINECROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 541-1400

DESIGNED JLS	SEDIMENT & EROSION CONTROL PLAN LOTS 1 THRU 47 GLEN OAKS SECTION 1 AREA 3 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP (Del. Division) Oakland Mills Office Bldg. Suite 200 Columbia, Md. 21045	SCALE 1"=30'
DRAWN KJW		DRAWING 2054
CHECKED JLS		JOB NO 81-069
DATE 11-1-82		FILE NO 81-069 SE

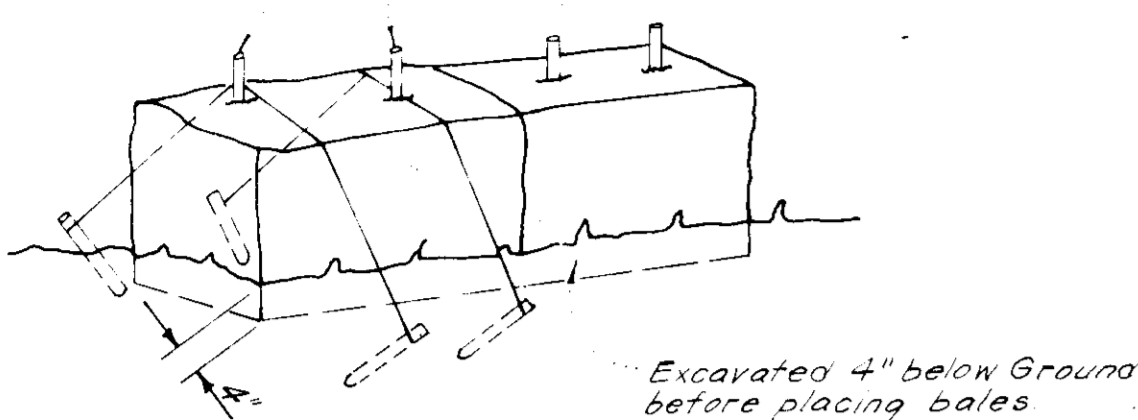
GENERAL NOTES

- 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 3 lbs/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 20 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 Sed 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 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 borrow area prior to the import of any borrow or export of waste to or from this site.
- All pipes to be blocked at the end of each day. See detail this sheet
- Total Amount of Straw Bales or Silt Fence shown = 910 L.F.
- SITE ANALYSIS:

A. Total Area:	4.003	Acres
B. Area to be Roofed:	0.591	Acres
C. Area to be Paved:	0.094	Acres
D. Area to be Seeded:	1.715	Acres
E. Area Undisturbed:	1.603	Acres

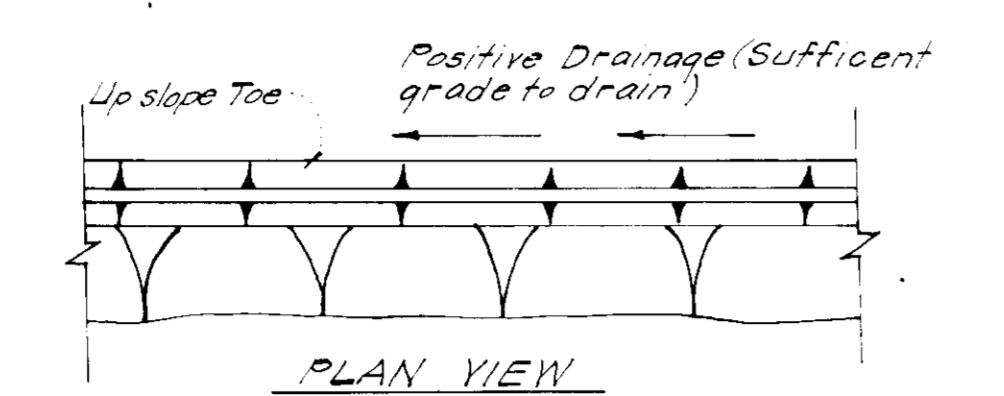
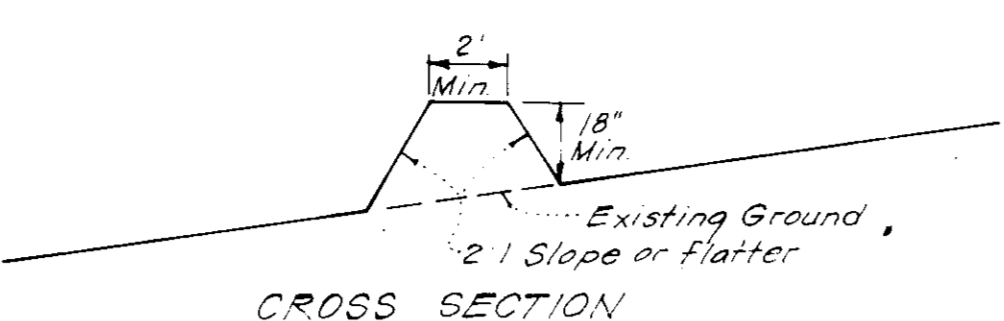
All bales shall be tied with 300-weathering materials, i.e. wire nylon

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

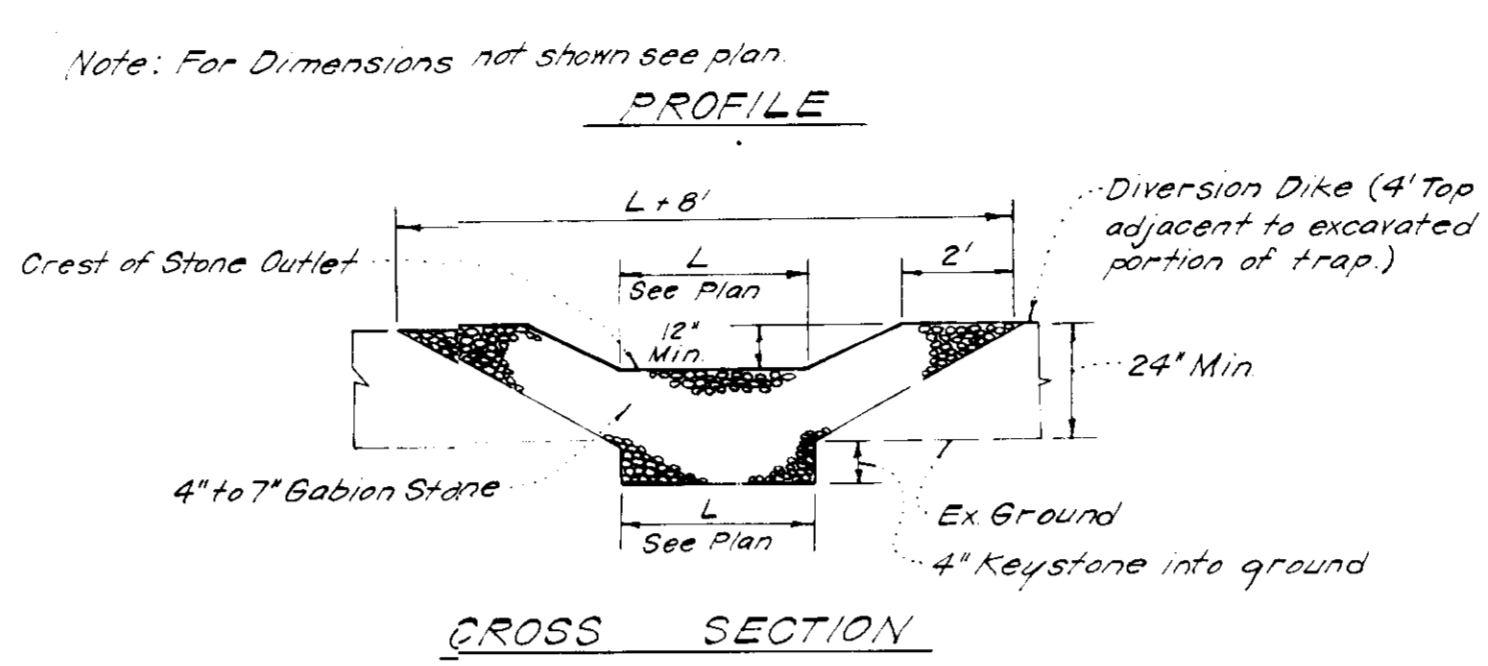
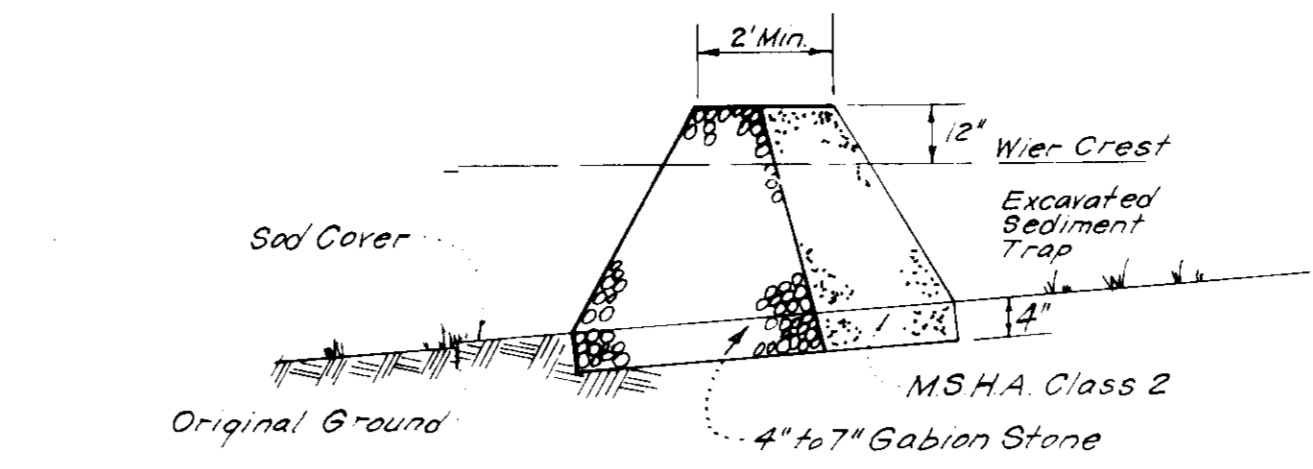


Note: In lieu of the use of rebars each straw bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above.)

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

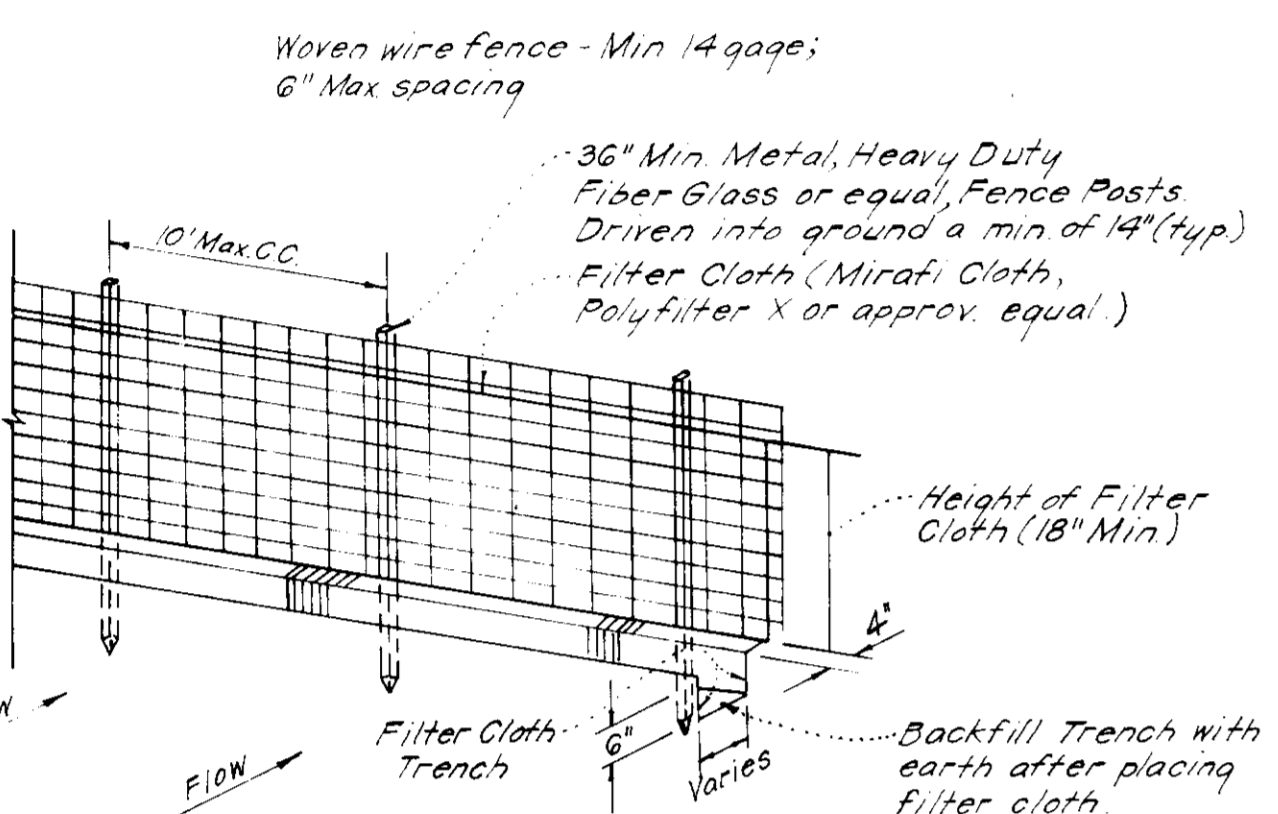


PERIMETER DIKE (P.D.)
No SCALE



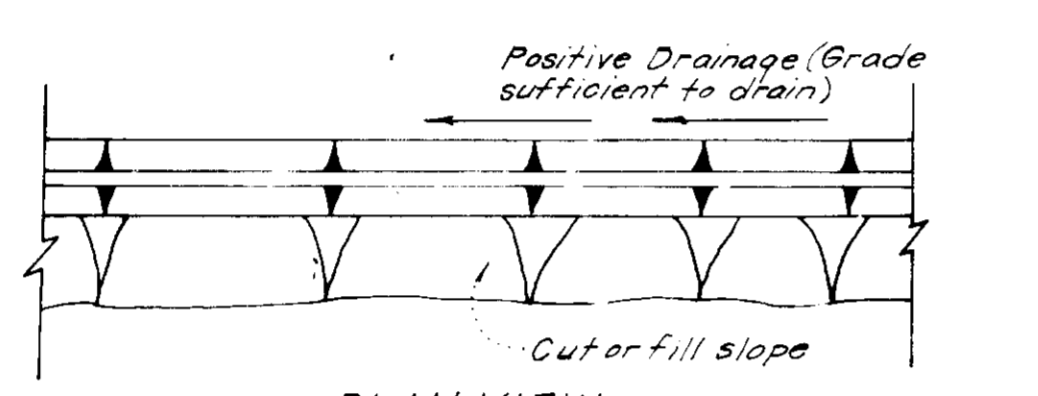
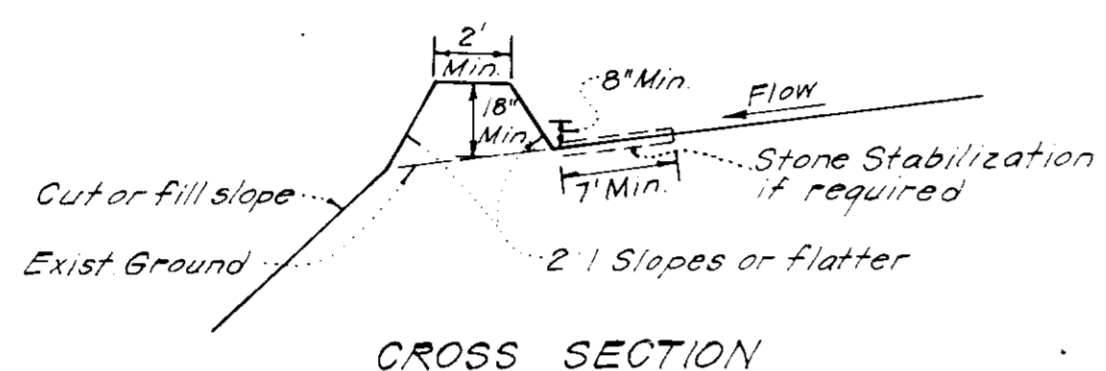
Notes:
1. Sediment Trap to be cleaned out when sediment reaches a level of 1ft. below crest of stone outlet.
2. Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.
3. Stone Outlet to be constructed through diversion dike adjacent to excavated

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

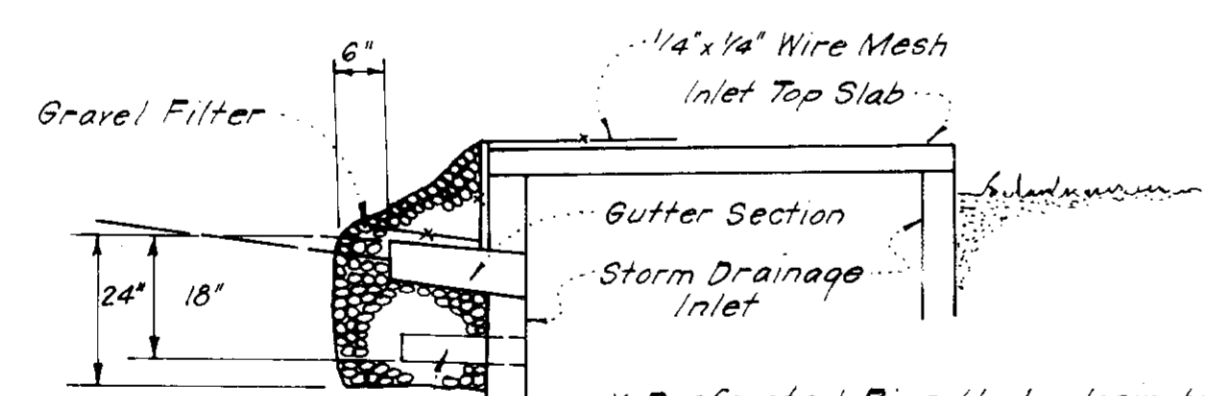
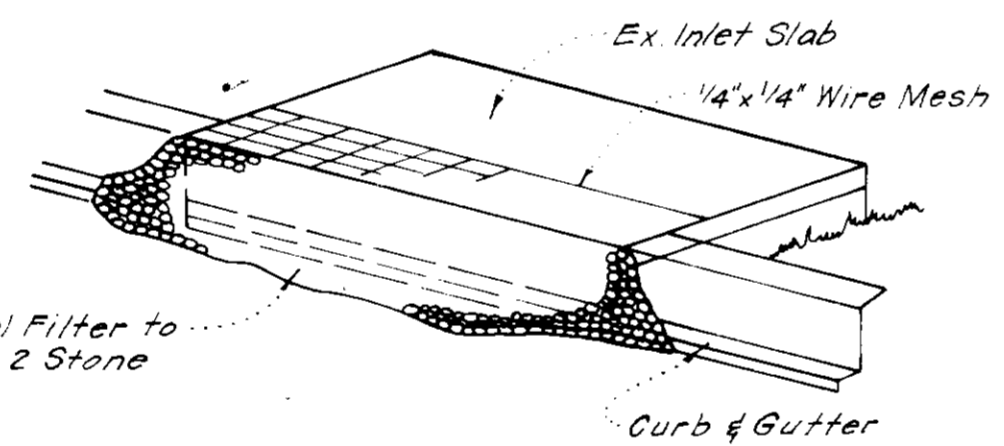


Notes:
1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
2. Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24"x24".

SILT FENCE DETAIL (S.F.)
No SCALE

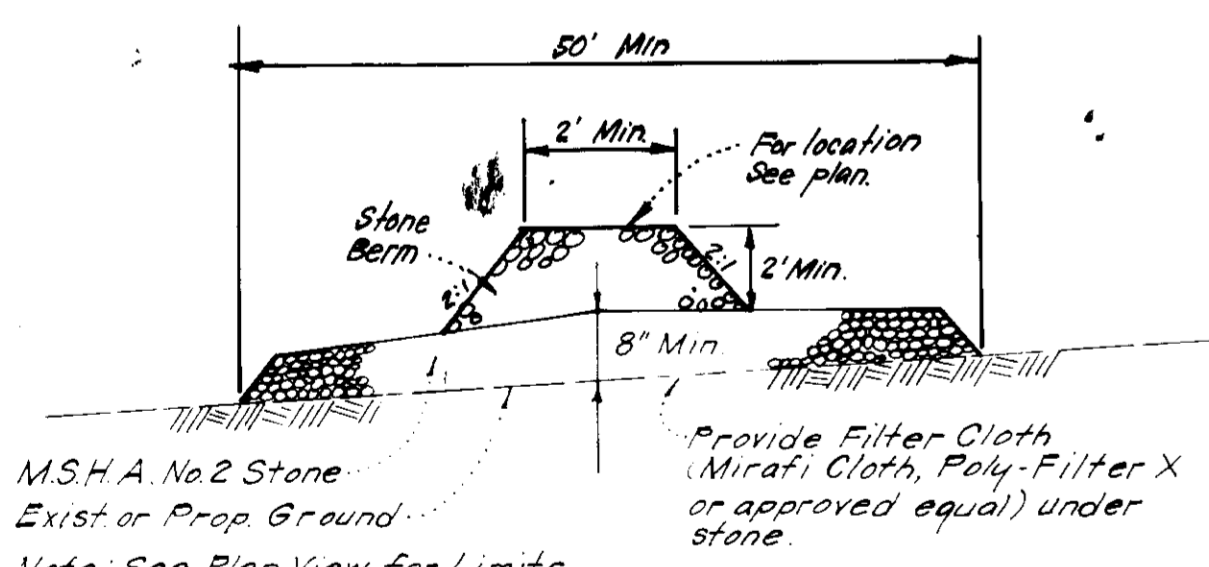


DIVERSION DIKE (D.D.)
No SCALE



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

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



STABILIZED CONSTRUCTION ENTRANCE
No SCALE

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 1-17-83



Plat Ref: PLAT 5311

CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS		SCALE As Shown
DESIGNED JLS	SEDIMENT & EROSION CONTROL PLAN LOTS 1 THRU 47 GLEN OAKS	DRAWING 304 4
DRAWN K.L.W.		JOB NO. 81-069
CHECKED JLS	SECTION 1 AREA 3 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO. 81-069-5E
DATE 11-1-82	FOR: The Ryland Group, Inc. (Col. Div.) Oakland, Md. 21114 Columbia, Md. 21045	

Reviewed for: HOWARD COUNTY
Name: Howard County
Signature: [Signature] Date: 1-27-83
U.S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

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 the responsible personnel involved in the construction of this project have received a Certificate of Attendance at a Dept. of Natural Resources approved Training Program for the Control of Sediment and Erosion prior to 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: 1/1/82

ENGINEER'S CERTIFICATE
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
Signature: G. Nelson Clark Date: 11-1-82

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE: 1-23-83
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 2-2-83
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 1-31-83
DATE: 1-31-83

SDP-83-55

SCHEDULE				
KEY	PLANT NAME	SIZE	QTY.	REMARKS
STREET TREE & BUFFER PLANTING				
⊙	QUERCUS PALLIDUS PIN OAK	2 1/2" GAL MIN.	14	B&B HEAVY HEADS
⊙	QUERCUS BOREALIS NORTHERN RED OAK	2 1/2" GAL MIN.	1	B&B HEAVY HEADS
⊙	PINUS STROBUS EASTERN WHITE PINE	6' HT.	14	B&B HEAVY
INDIVIDUAL LOT PLANTING				
⊙	CORNUS FLORIDA FLORING DOGWOOD	6-8' HT.	18	B&B HEAVY HEADS
⊙	PRUNUS SER. 'KNAZAN' KNAZAN CHERRY		12	
⊙	PINUS CALLERTANA 'BRADFORD' BRADFORD PEAR		11	
⊙	PRUNUS C. THUNDERCLOUD PURPLELEAF FLOWERING PLUM		3	
⊙	MALUS DOGGO DOGGO CRABAPPLE		1	

NOTES:

- PROPOSED STREET TREE & BUFFER PLANTING SHALL BE THE RESPONSIBILITY OF THE LAND DEVELOPER, ASTA ASSOC.
- ALL PLANTING SHALL BE DONE IN COMPLIANCE WITH ATTACHED SPECIFICATIONS.
- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
- SUBSTITUTIONS MAY BE PERMITTED WITH THE APPROVAL OF THE LANDSCAPE ARCH.

NOTES: Approved Road Construction Plans shall be used for installation of all Public Utilities.

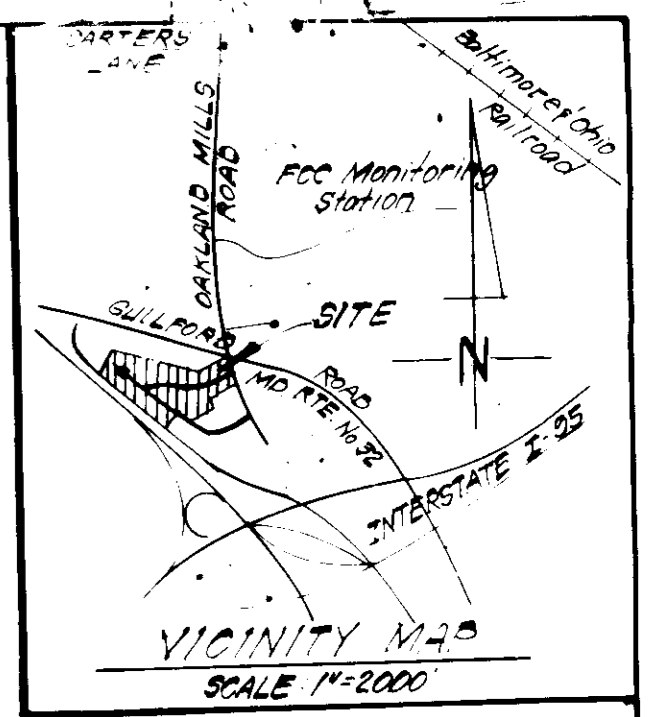
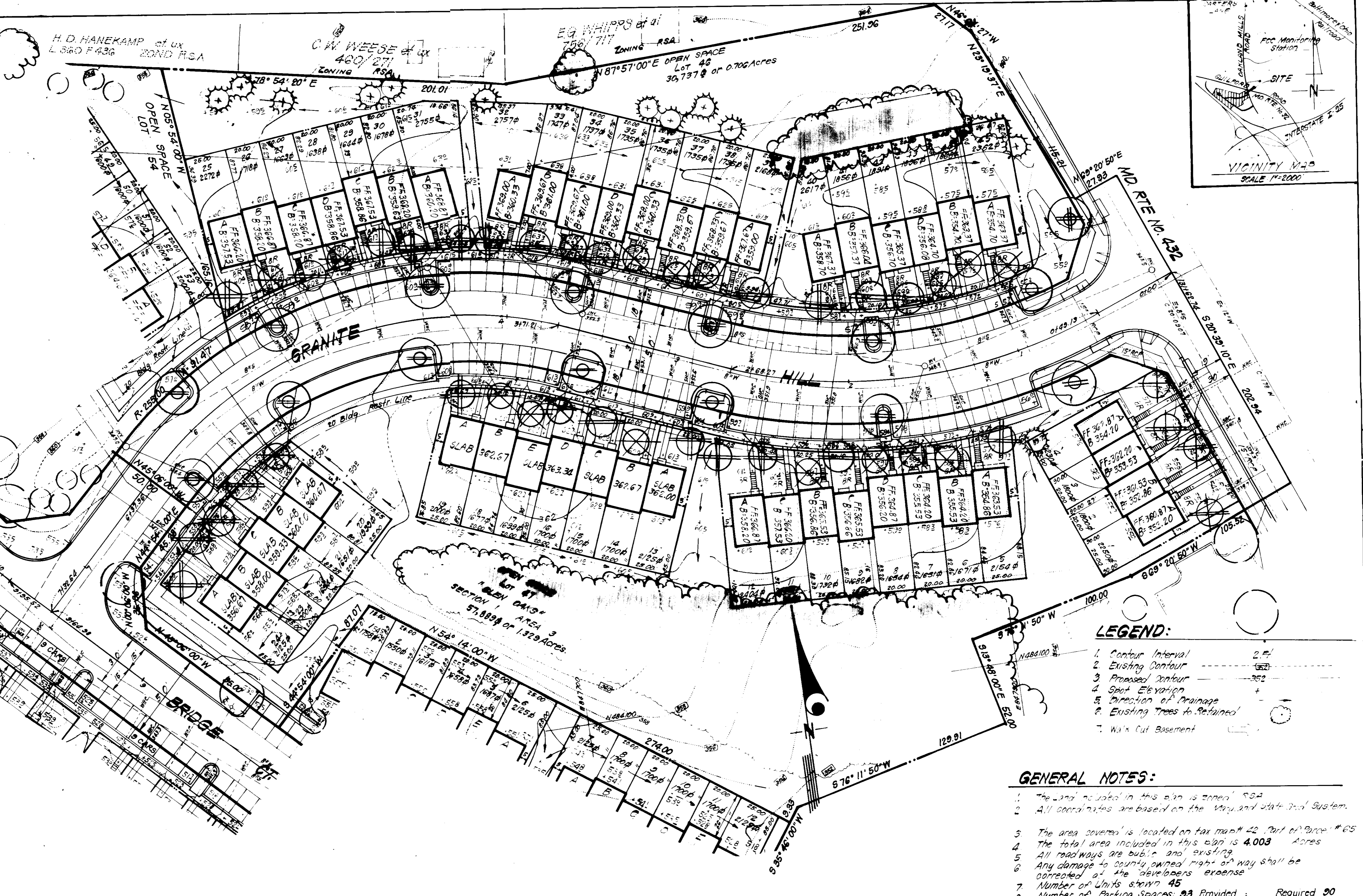
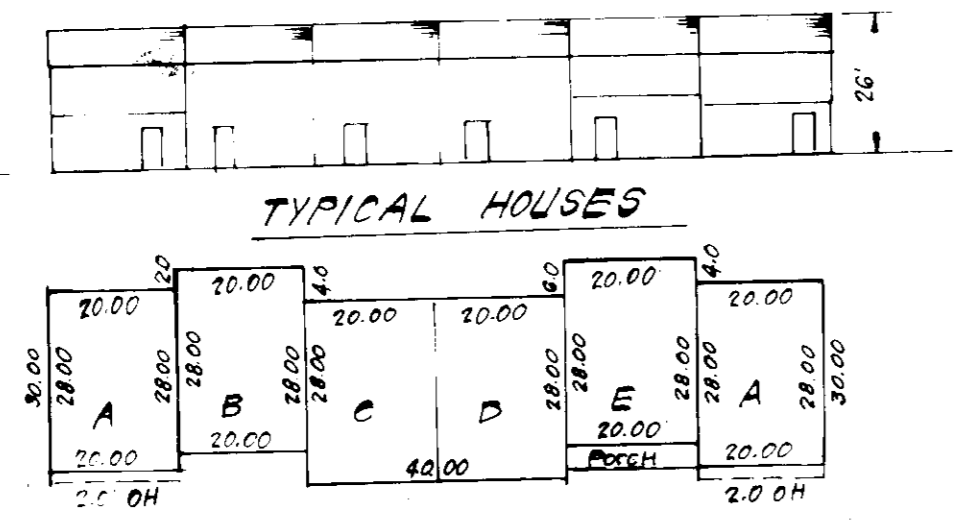
Public Water & Sewer shown for Reference only - for more detailed information see water & sewer plans Contract No. 24-026-D-WFS.

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

CHIEF BUREAU OF ENGINEERING



LEGEND:

1. Contour Interval	2.5'
2. Existing Contour	3.5'
3. Proposed Contour	3.5'
4. Spot Elevation	+
5. Direction of Drainage	→
6. Existing Trees to be Retained	⊙
7. Walk Cut Basement	⊙

- GENERAL NOTES:**
- The land included in this plan is zoned 'R-30'.
 - All coordinates are based on the Maryland State Plane System.
 - The area covered is located on tax map # 42, Part of Block # 65.
 - The total area included in this plan is 4.003 Acres.
 - All roadways are public and existing.
 - Any damage to county owned right-of-way shall be corrected at the developer's expense.
 - Number of Units shown: 45
 - Number of Parking Spaces: 93 Provided; Required 90

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 1-17-83

Plot Ref: PLAT 5311

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS

DESIGNED: LANDSCAPE PLANTING PLAN
J.B.C.
DRAWN: K.W.
CHECKED: J.M.E.
DATE: NOV. 1982

SCALE: 1"=30'
DRAWING: 4 OF 4
JOB NO: 81-009
FILE NO: 81-009 LS

OWNER: ASTA ASSOCIATES
3967 Dicks Foot Lane
Ellicott City, Md. 21043

FOR: THE RIVLAND GROUP (Sub. Division)
Oakland Mills Office Bldg. Suite 200
Columbia, Md. 21045

SDP-83-55