

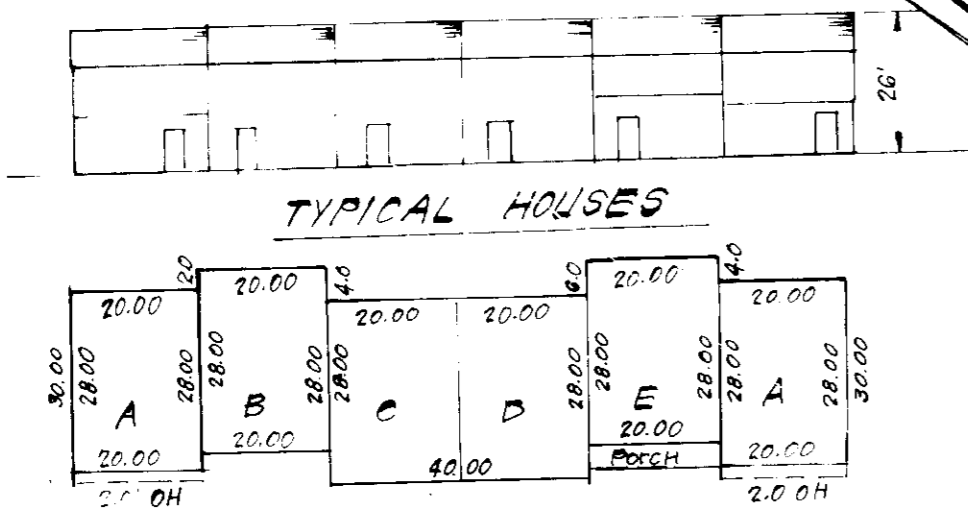
- LEGEND:**
- 1. Contour Interval 2 Ft.
  - 2. Existing Contour
  - 3. Proposed Contour
  - 4. Spot Elevation
  - 5. Direction of Drainage
  - 6. Existing Trees to be Retained
  - 7. Walk Out Basement

- GENERAL NOTES:**
1. The Land included in this plan is zoned R.S.A.
  2. All coordinates are based on the Maryland State Grid System.
  3. The area covered is located on tax map # 42 Part of Parcel # 65.
  4. The total area included in this plan is 2.108 Acres.
  5. All roadways are public and existing.
  6. Any damage to county owned right of way shall be corrected at the developers expense.
  7. Number of Units shown: 53
  8. Number of Parking Spaces: 107 Provided; 106 Required
  9. Building Coverage on the smallest lot shown (Lot 2) is 37.9%

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE **9-29-82**

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. 22-026-D W/S.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 10-12-82  
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMIN: *[Signature]* DATE: 10-25-82  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *[Signature]* DATE: 10-20-82  
 CHIEF CLERK OF ENGINEERING: *[Signature]* DATE: 10-15-82



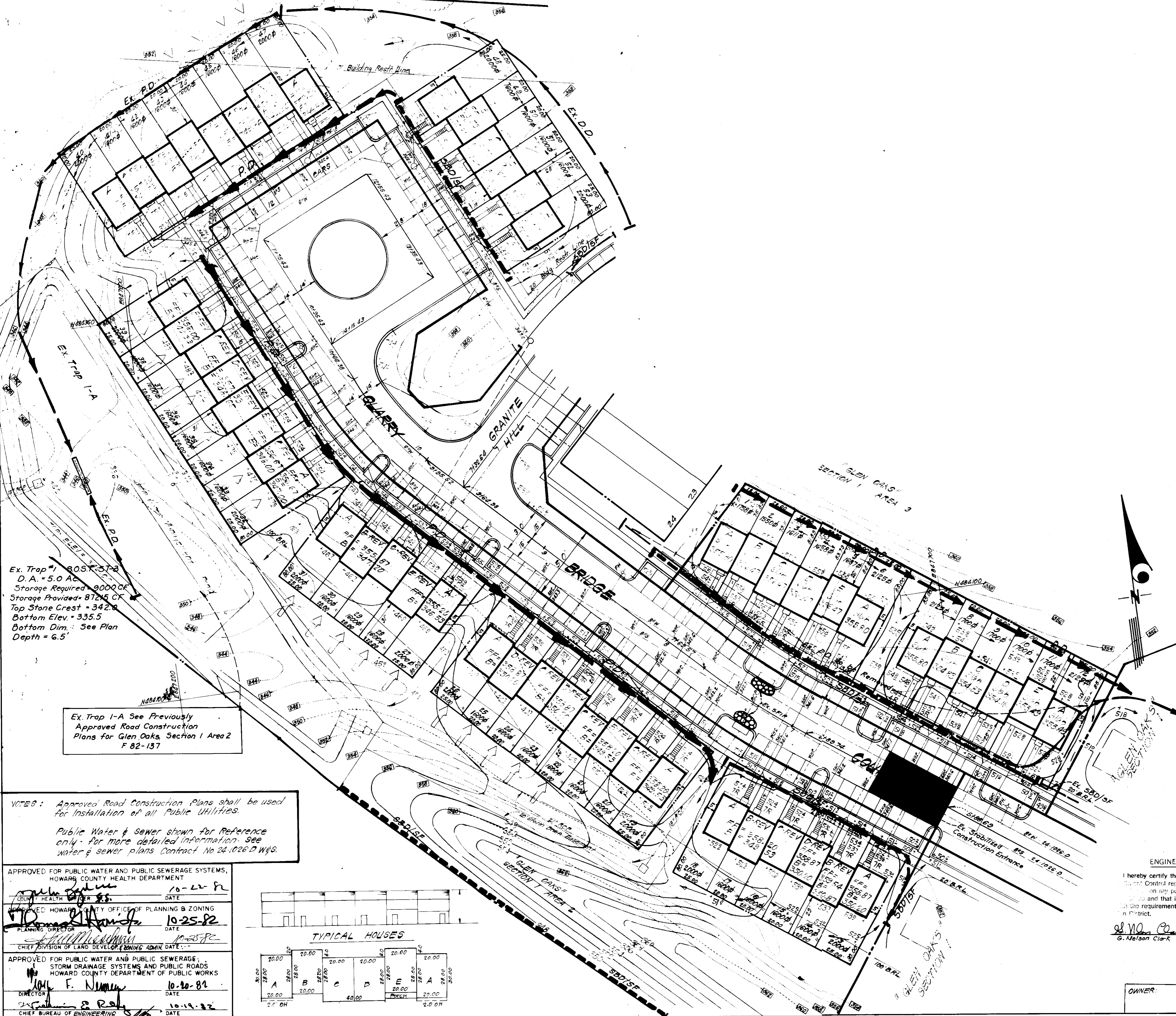
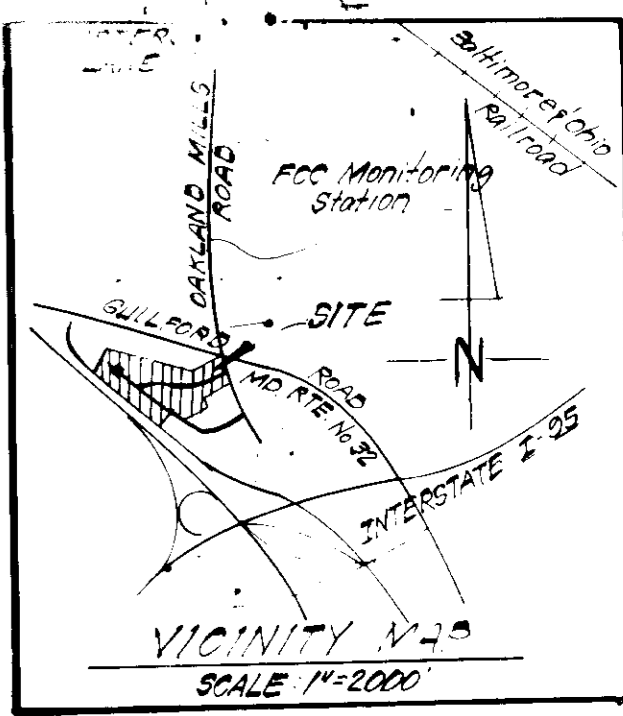
Plot Ref: PLATS 5276 & 5277

**CF** CLARK • FINEFROCK & SACKETT  
 ENGINEERS • PLANNERS • SURVEYORS  
 11315 LUKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 591-3400

*[Signature]*

DESIGNED	JME	SITE DEVELOPMENT PLAN LOTS 1 THRU 53	SCALE 1"=30'
DRAWN	K.W.	<b>GLEN OAKS</b>	DRAWING 10F4
CHECKED	JME	SECTION 1 AREA 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 81-009
OWNER	ASTA ASSOCIATES 3967 Ducks Foot Lane Ellicott City, Md 21043	FOR: THE RIVLAND GROUP (Col. Division) Oakland Mills Office Bldg Suite 200 Columbia, Md 21045	FILE NO. 81-009-X
DATE	8-18-82		

**SDP-83-18**



Ex. Trap #1 6057-372  
D.A. = 5.0 AC  
Storage Required = 9000 CF  
Storage Provided = 8724.5 CF  
Top Stone Crest = 342.0  
Bottom Elev. = 335.5  
Bottom Dim. = See Plan  
Depth = 6.5'

Ex. Trap I-A See Previously Approved Road Construction Plans for Glen Oaks, Section 1 Area 2 F 82-137

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. 24-1026 D W/S.

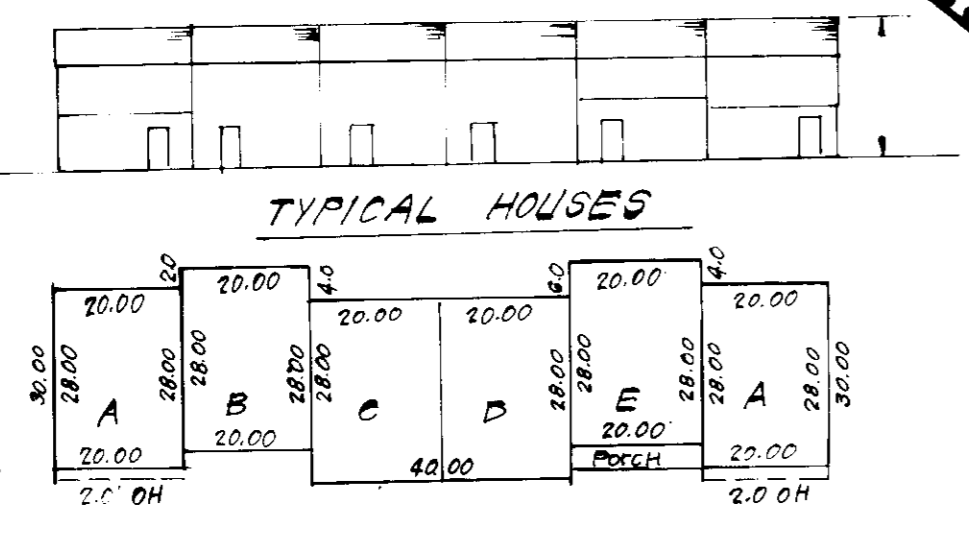
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
DATE: 10-22-82

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE: 10-25-82

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE: 10-25-82

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE: 10-26-82

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE: 10-19-82



Reviewed for... HOWARD S.C.D. Name  
and meets Technical Requirements  
Signature: *James M. ...* Date: 10-15-82  
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Approved: *Wm. T. Rowe* Date: 10-15-82

- LEGEND:**
- 1. Contour Interval 2' F
  - 2. Existing Contour 352
  - 3. Proposed Contour 352
  - 4. Spot Elevation +
  - 5. Direction of Drainage
  - 6. Existing Trees to be Retained
  - 7. Walk Out Basement
  - 8. Existing Perimeter Dike EX. PD
  - 9. Perimeter Dike PD
  - 10. Existing Diversion Dike EX. D.D.
  - 11. Existing Straw Bale Dike or Silt Fence EX. SBD/SF
  - 12. Straw Bale Dike or Silt Fence SBD/SF
  - 13. Existing Stone Filter Inlet Protection EX. SFIP
  - 14. Diversion Dike D.D.

APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE: 9-29-82



DEVELOPER'S CERTIFICATE  
I certify that all development and construction will be done in accordance with the approved plan for erosion and sediment control...  
Signature of Developer/Builder: *Maurice M. Simpkins* Date: 8-23-82

ENGINEER'S CERTIFICATE  
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable...  
Signature: *G. Nelson Clark* Date: 8-23-82

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 301-593-1400		
DESIGNED J.L.S.	<b>SEDIMENT AND EROSION CONTROL PLAN</b> <b>LOTS 1 THRU 53</b> <b>GLEN OAKS</b> SECTION 1 AREA 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'
DRAWN D.V.R.		DRAWING 2 OF 4
CHECKED J.L.S.		JOB NO. 81-069
DATE 8-18-82		FILE NO. 81-069-SE
OWNER: ASTA ASSOCIATES 8967 Ducks Foot Lane Ellicott City, Md 21043		FOR: THE RYLAND GROUP (Col. Division) Oakland Mills Office Bldg. Suite 200 Columbia, Md 21045

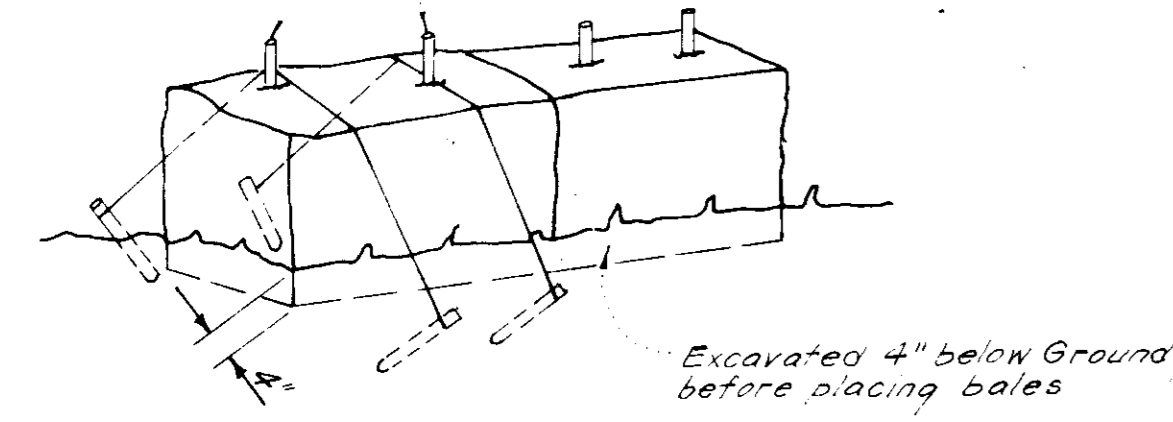
SDP-83-18

**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 4 lbs/1000 sf
- Verify 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 Sod used shall be Maryland State Certified
- 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
- Total Amount of Straw Bales or Silt Fence shown = 860 L.F.
- SITE ANALYSIS:
  - Total Area: 2.108 Acres
  - Area to be Roofed: 0.696 Acres
  - Area to be Paved: 0.109 Acres
  - Area to be Seeded: 1.303 Acres
  - Area Undisturbed: 0.000 Acres
- CONSTRUCTION SEQUENCE:
  - Install Diversion Dike at back of Lots 1 thru 12 and connect with existing Perimeter Dike.
  - Remove existing dike in front of Lots 1 thru 12 and install Straw Bale Dike/Silt Fence and connect to existing Straw Bale Dike/Silt Fence.
  - Install remaining Sediment & Erosion Control Measures.
  - Excavate for foundations and rough grade.
  - Erect Structures, Driveways, and Sidewalks.
  - Final grade and stabilize in accordance with note #6.
  - Remove Sediment & Erosion Control Measures after all areas draining to them have been stabilized.

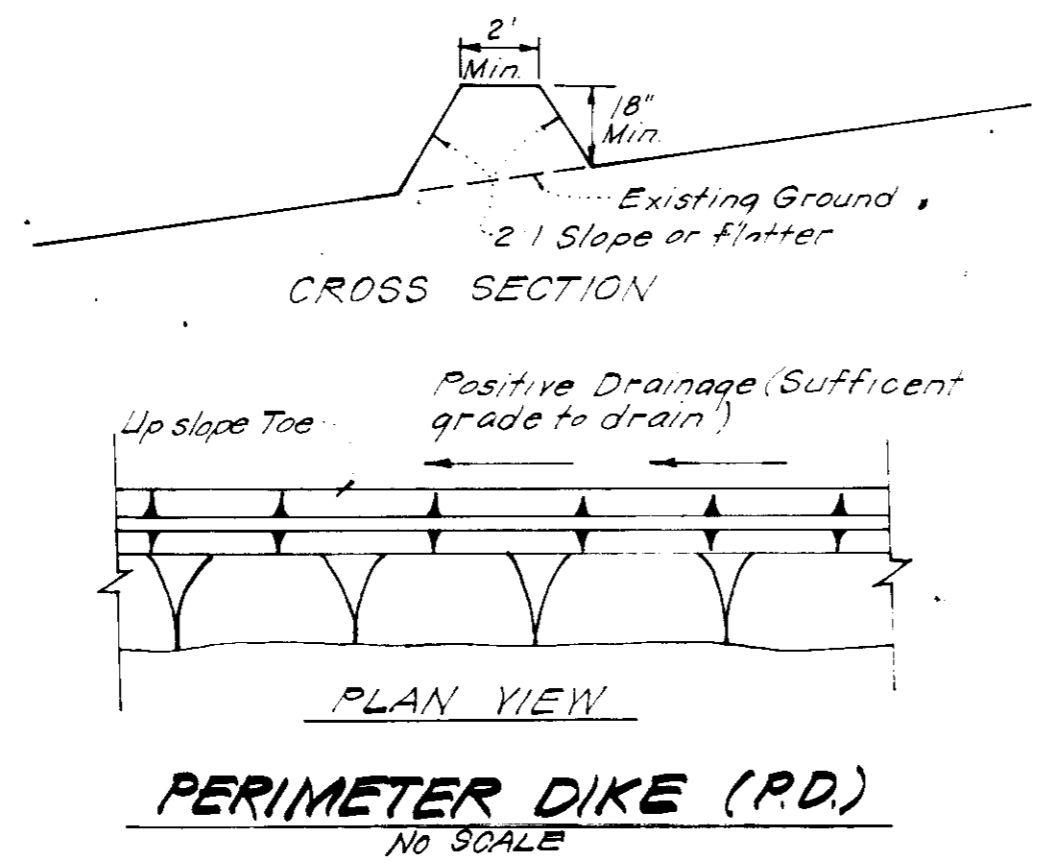
All bales shall be tied with non-weathering materials, i.e. wire, nylon

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

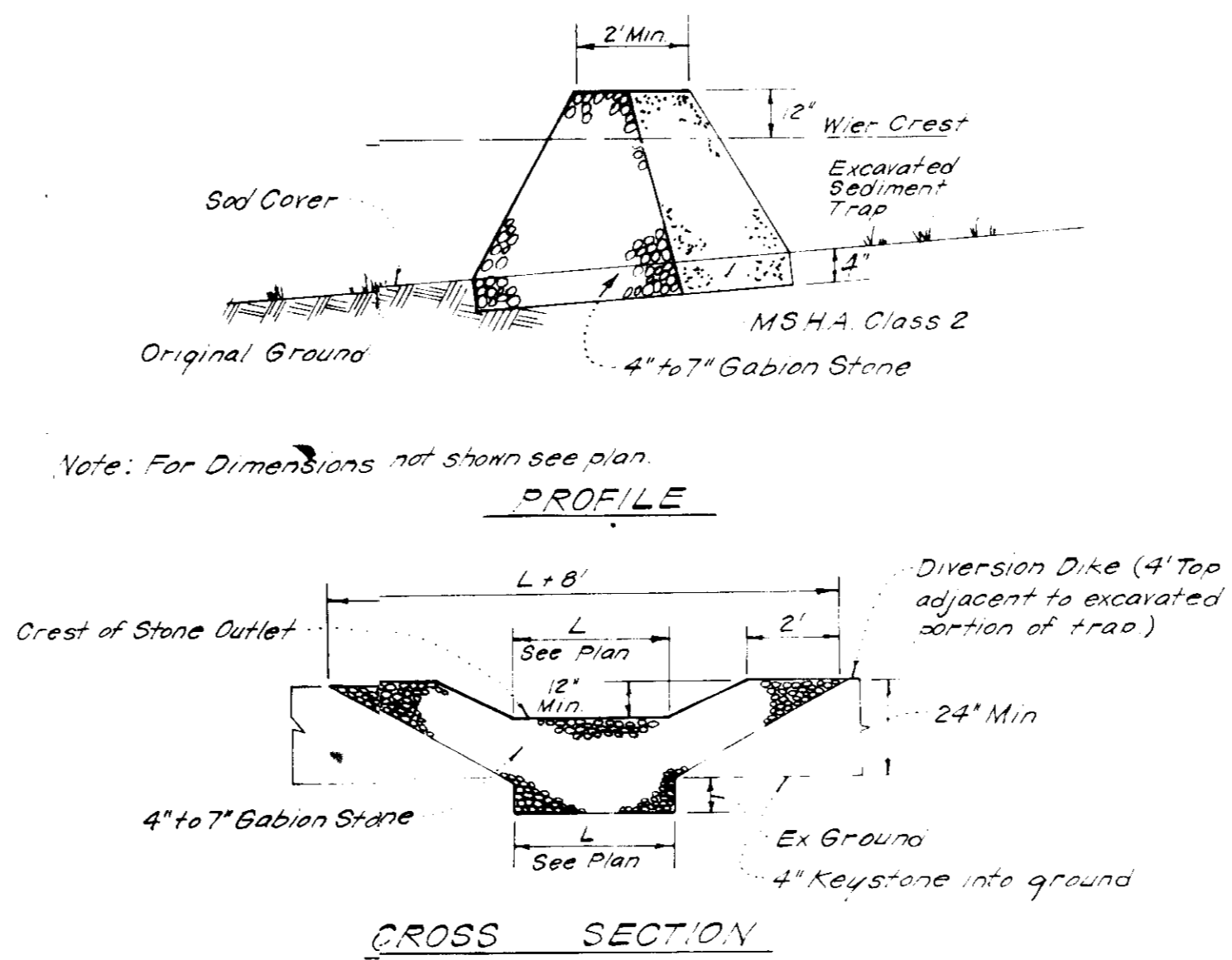


Note: In lieu of the use of rebar each straw bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above)

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



**PERIMETER DIKE (P.D.)**  
No SCALE

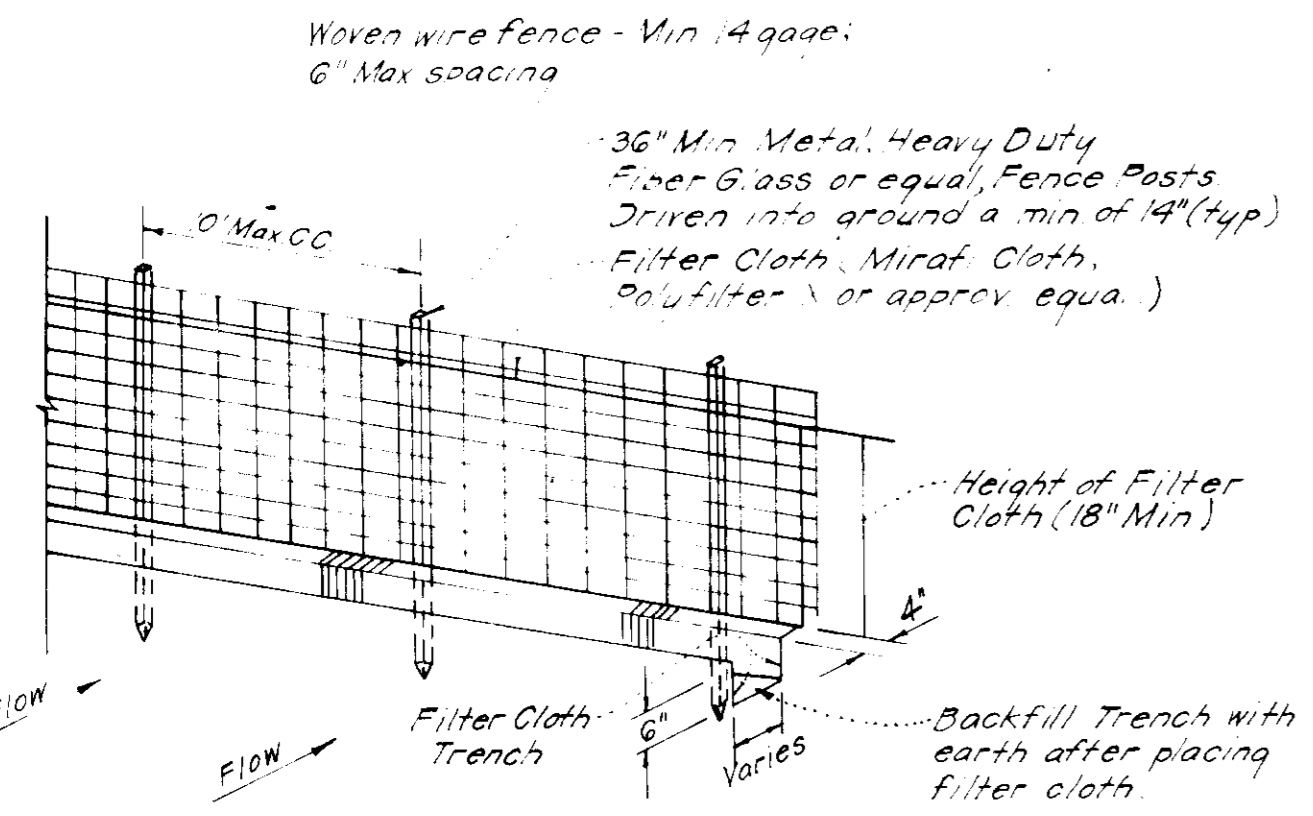


Note: For Dimensions not shown see plan

Notes:
 

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

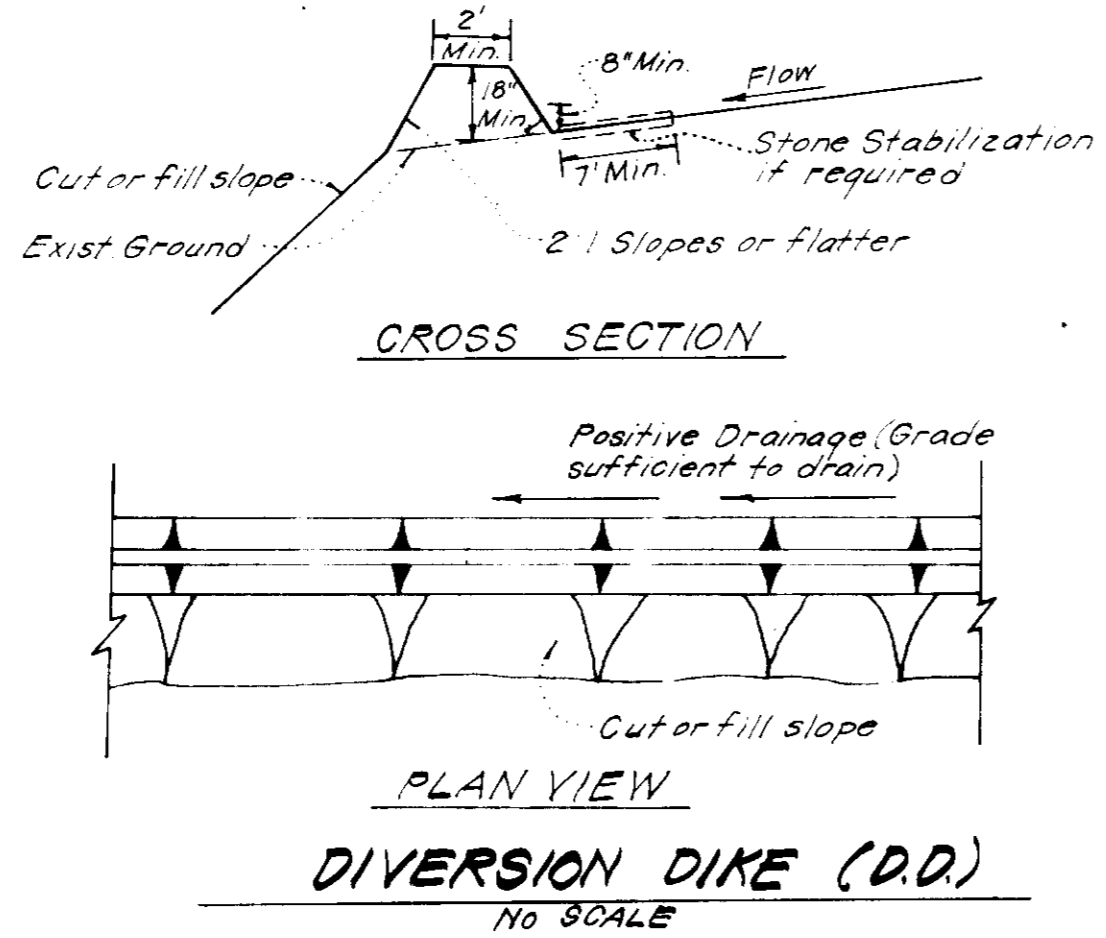
**DETAILS OF STONE FILTER OUTLET FOR STONE OUTLET SEDIMENT TRAP**  
No SCALE



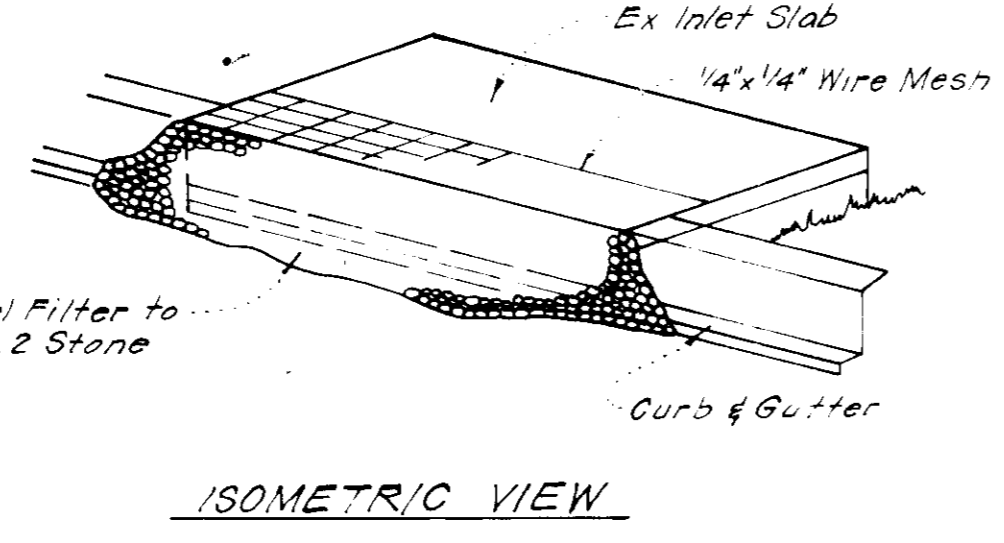
Notes:
 

- Woven Wire Fence to be fastened securely to fence posts by use of wire ties
- Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24"x24"

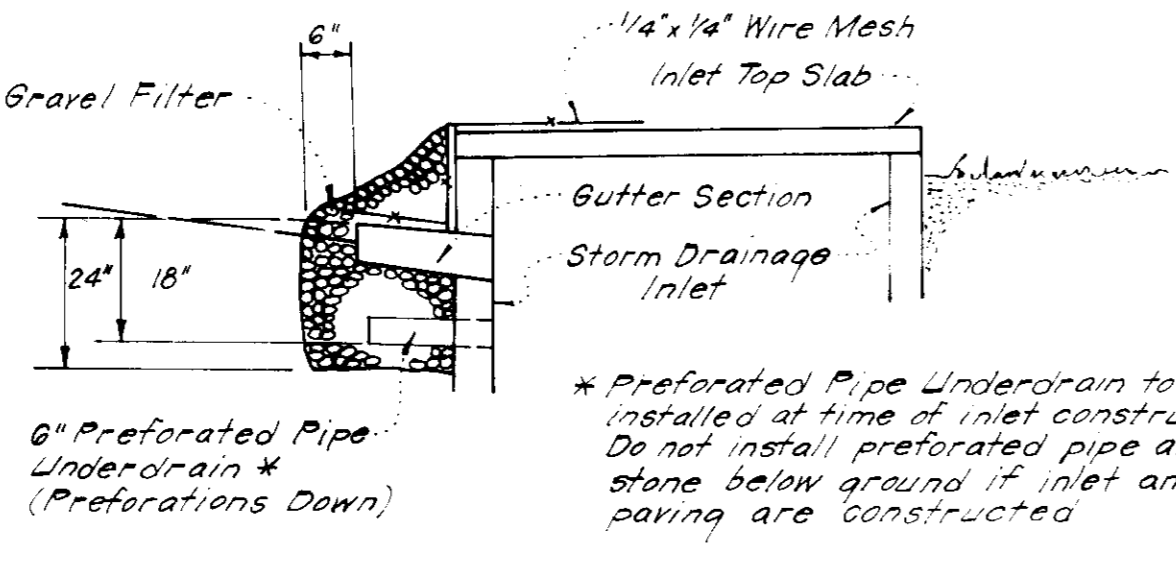
**SILT FENCE DETAIL (S.F.)**  
No SCALE



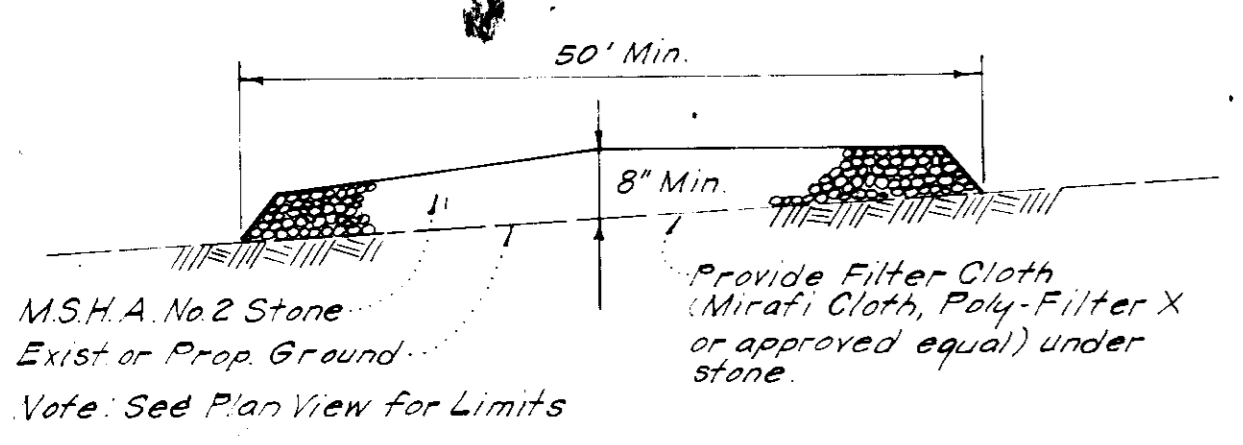
**DIVERSION DIKE (D.D.)**  
No SCALE



**ISOMETRIC VIEW**



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



**STABILIZED CONSTRUCTION ENTRANCE**  
No SCALE

Reviewed for: **HOWARD** S.C.D.  
Name  
meets Technical Requirements  
*James M. ...* 10/15/82  
Signature Date  
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*John P. ...* 10-15-82  
Approved Date

APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE **9-29-82**



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
*...* 10-22-82  
DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*...* 10-25-82  
DATE

CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*...* 10-30-82  
DATE

CHIEF BUREAU OF ENGINEERING  
*...* 10-19-82  
DATE

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 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 and deemed necessary."

*Maurice M. Simpkins* 8-23-82  
Signature of Developer/Builder Date

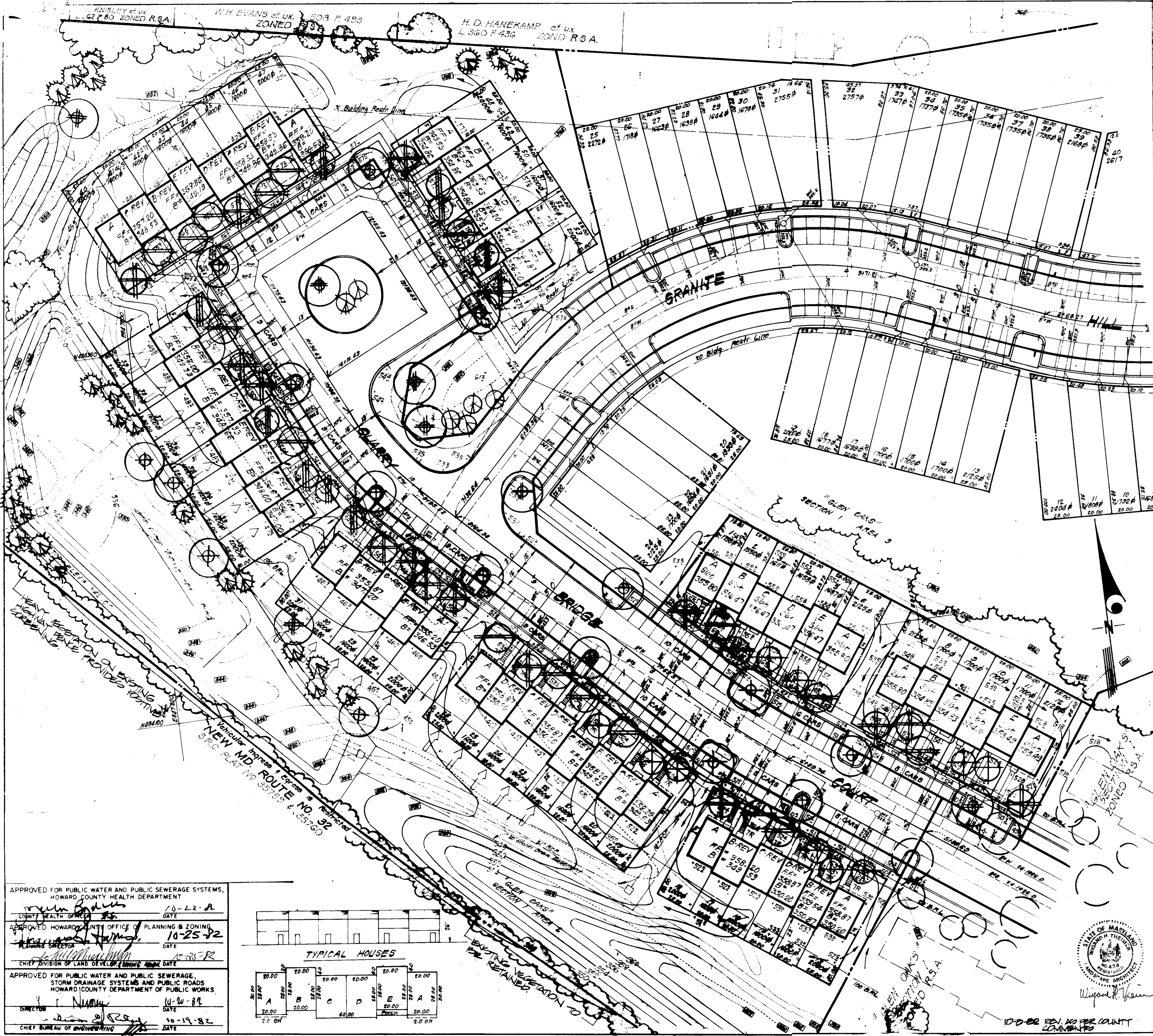
ENGINEER'S CERTIFICATE

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

*John P. ...* 8-23-82  
Signature Date

Plot Ref: PLATS 5276 & 5277

<b>CLARK • FINEFROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 11315 LOKWOOD DRIVE, ELK SPRING, MARYLAND 21114		SCALE
DESIGNED	J.L.S.	As Shown
DRAWN	D.Y.R.	3 of 4
CHECKED	J.L.S.	JOB NO.
DATE	8-18-82	81-069
SEDIMENT & EROSION CONTROL PLAN LOTS 1 THRU 53 <b>GLEN OAKS</b> SECTION 1 AREA 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP (Col. Division) Oakland Mills Office Bldg. Suite 200 Columbia, Md. 21045		FILE NO. 81-069 SE



# PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QUANT	REMARKS
<b>STREET TREE &amp; BUFFER PLANTING (BY ASTA ASSOC.)</b>				
⊕	ACER RUBRUM RED MAPLE	2 1/2" CAL MIN	10	B&B HEAVY HEADS
⊕	QUERCUS BOREALIS RED OAK	↓	7	↓
⊕	PNUS THUNBERGI JAPANESE BLACK PINE	6' HT.	6	B&B HEAVY
⊕	PNUS STROBUS EASTERN WHITE PINE	↓	25	↓
<b>INDIVIDUAL LOT PLANTING (BY THE RTLAND GROUP)</b>				
⊕	PNUS CALLERTANA 'BRADFORD' BRADFORD PEAR	60' HT.	15	B&B HEAVY HEADS
⊕	PNUS SEROTINA 'KWANZAN' KWANZAN CHERRY		10	
⊕	MALUS DOGRO DOGRO CRABAPPLE		10	
⊕	AMALANCHIER CANADENSIS SHADBLow CLUMP	↓	9	↓

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 9-29-82

- 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 ARCHITECT, 593-3400.

Plot Ref: PLAT 5276 & 5277

**CLARK • FINEPROCK & SACKETT**  
ENGINEERS • PLANNERS • SURVEYORS  
11815 LOCKWOOD DRIVE SILVERSPRING MARYLAND 20904

DESIGNED J.B.C.  
DRAWN J.B.C.  
CHECKED W.H.T.  
DATE 8-23-82

**LANDSCAPE PLANTING PLAN**  
LOTS 1 THRU 33  
**GLEN OAKS**  
SECTION 1 AREA 2  
HOWARD COUNTY, MARYLAND

FOR: THE RTLAND GROUP (COL. DIV.)  
GLEN MILLS OFF. BLDG. SUITE 200  
COLUMBIA, MD. 21046

SCALE 1" = 30'  
DRAWING 4 of 4  
JOB NO. B1-0019  
FILE NO. B1-0019

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE 10-22-82

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE 10-25-82

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 10-19-82

