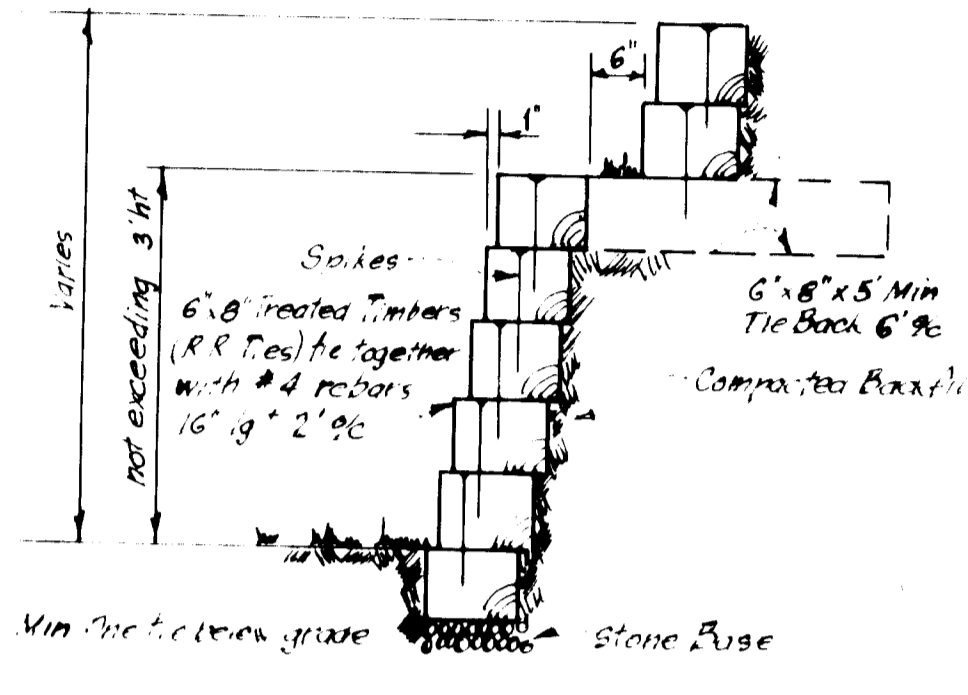
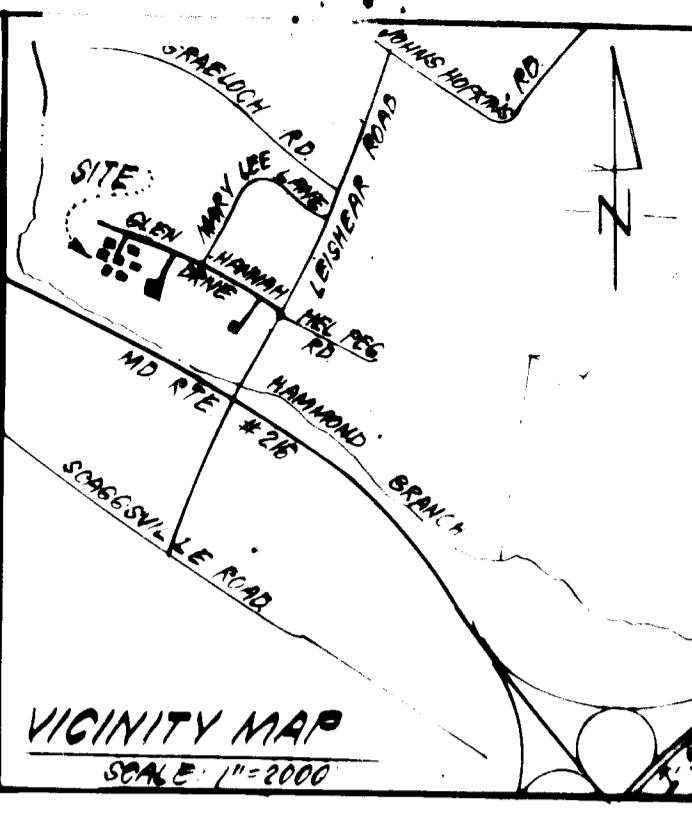


**GENERAL NOTES:**

1. All materials and construction to be in accordance with Howard County Road Construction Code
2. All parking to be privately owned and maintained.
3. The Land included is zoned: RSC
4. All coordinates shown are based on the Maryland State Grid System.
5. The area covered is located on Tax Map #46, Parcel #5
6. The total area included in this plan is 1.42 Acres
7. Any damage to county owned rights of way shall be corrected at the developer's expense.
8. Number of Parking Spaces: Required as provided as
9. Number of Units shown: 24
10. Maximum Building Coverage is 40 %  
Types 1 & 2 689.5 sq ft = 1,724 sq ft Min Lot size  
Types 3, 4 & 5 714.3 sq ft = 1,785.75 sq ft Min Lot size.
11. Forestvale Ct is a private road



**LEGEND:**

- 1 Contour Interval 2.0'
- 2 Existing Contour 2.0'
- 3 Proposed Contour 2.0'
- 4 Spot Elevation 1.05'
- 5 Direction of Drainage
- 6 No. of ft. Basement
- 7 100 Yr. Flood Plain Elevation



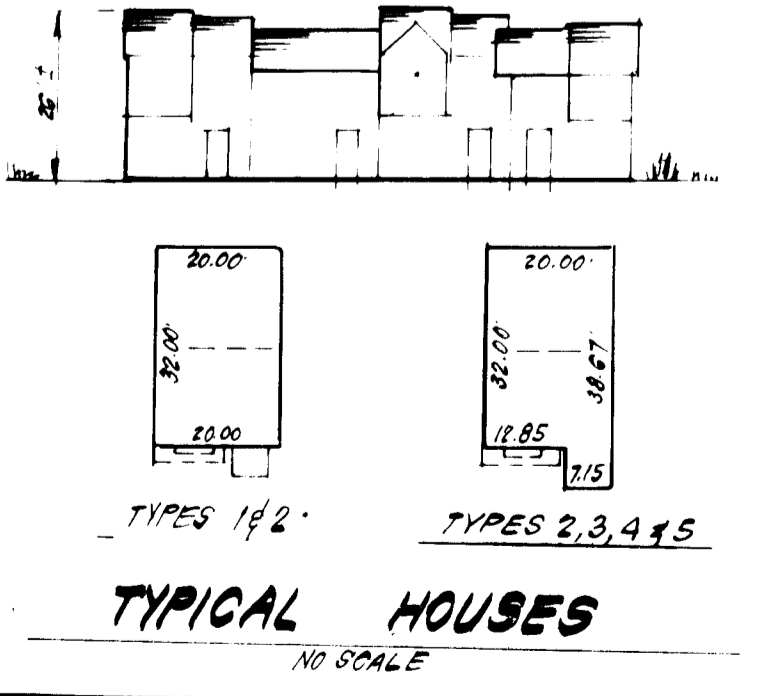
ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
45	10601 GLEN HANNAH DRIVE
46	10603 " " "
47	10605 " " "
48	10607 " " "
49	10611 " " "
50	10613 " " "
51	10615 " " "
52	10617 " " "
53	10621 " " "
54	10623 " " "
55	10625 " " "
56	10627 " " "
57	10631 " " "
58	10633 " " "
59	10635 " " "
60	10637 " " "
61	10641 " " "
62	10643 " " "
63	10645 " " "
64	10647 " " "
65	10649 " " "
66	10653 " " "
67	10655 " " "
68	10657 " " "

NOTES: Public Water & Sewer shown for Reference Only.  
For more detailed information: See Water & Sewer Plans Contract No. 1024 1070 WES  
See Road Construction Plans for Installation of Public Utilities F-83-64.

SUBDIVISION NAME MURRAY HILL		SECT./AREA 4/1	LOT/PARCEL # P.3 T.M.46
PLAT # & LIF 5397 G.T.M.46	BLOCK # R.3.C.	TAX/ZONE MAP 49 Pdr. 3	ELEC. DIST. 61E
WATER CODE E17		SEWER CODE 755000	

**CLARK · FINEFROCK & SACKETT**  
ENGINEERS · PLANNERS · SURVEYORS  
11314 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

DESIGNED UME	SITE DEVELOPMENT PLAN LOTS 45 THRU 68 <b>MURRAY HILL</b>	SCALE 1"=20'
DRAWN K/M		DRAWING 1054
CHECKED UME	SECTION 4 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 83-057
DATE July, 1983		FILE NO. 83-057-X



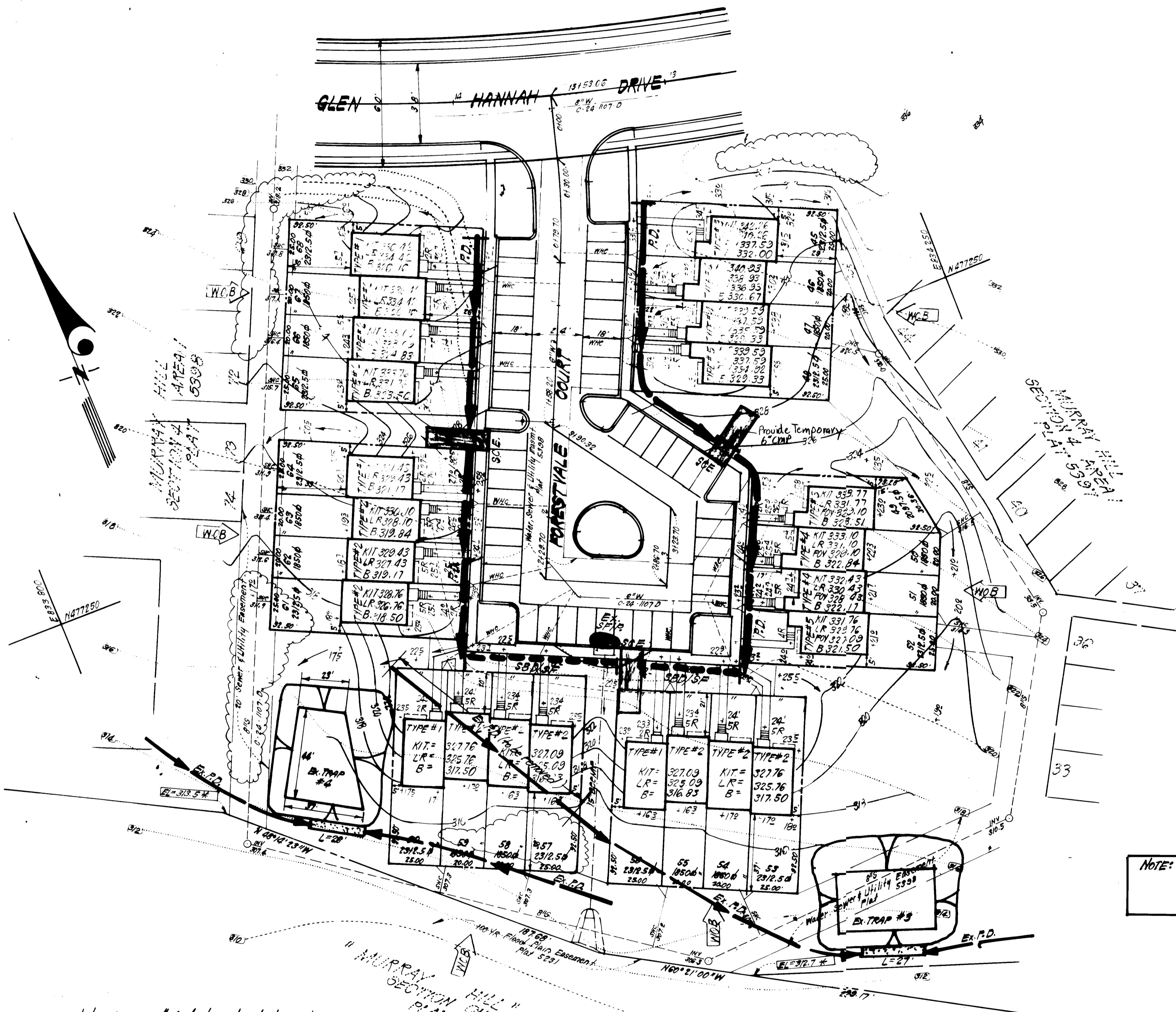
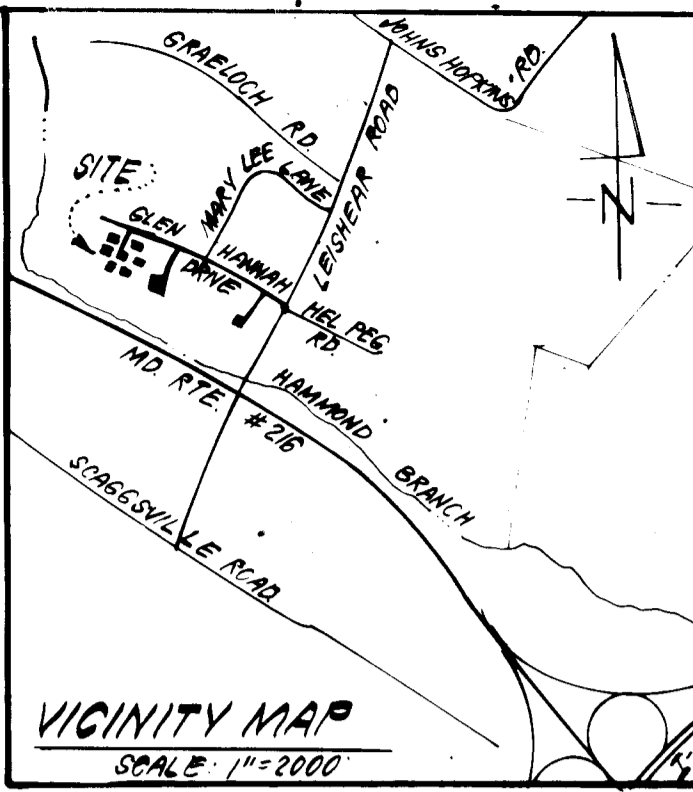
APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY MARYLAND  
DATE 8-8-83

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER  
DATE 8-25-83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
PLANNING DIRECTOR  
DATE 8-25-83

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR  
DATE 8-24-83

CHIEF BUREAU OF ENGINEERING



- LEGEND:**
- 1 Contour Interval ——— 2 FT.
  - 2 Existing Contour ——— 3/0
  - 3 Proposed Contour ——— 3/0
  - 4 Spot Elevation ——— 1/05
  - 5 Direction of Drainage ———>
  - 6 1/4" Cut Basement ———>
  - 7 100 Yr. Flood Plain Elevation ———>
  - 8 Perimeter Dike ———> P.D.
  - 9 Straw Bale Dike or Silt Fence ———> SBF/SF
  - 10 Stone Construction Entrance ———> SCE
  - 11 Existing Stone Filter Inlet Protection ———> Ex. SFIP
  - 12 Existing Perimeter Dike ———> Ex. P.D.

NOTE: For Existing Sediment & Erosion Control Measures shown - See Previously Approved Road Construction Plans for Murray Hill Section 4 Area 1 F-83-64

Notes: Public Water & Sewer shown for Reference Only. For more detailed information - See Water & Sewer plans Contract No. C-24-107-D W&S. See Road Construction Plans for Installation of Public Utilities. F-83-64.

APPROVED  
DIVISION OF LAND DEVELOPMENT  
ZONING ADMINISTRATION  
HOWARD COUNTY MARYLAND  
8-8-83

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER  
DATE 8-24-83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
PLANNING DIRECTOR  
DATE 8-25-83

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR  
DATE 8-24-83

CHIEF BUREAU OF ENGINEERING  
DATE 8-25-83

Note: Ex. Trap #4 to be adjusted as shown.

Ex. Trap #4 S.O.S.T. (ST-3)  
DA = 4.3 Acres  
Storage Required = 43,000/7740 CF  
Storage Provided = 7904 CF  
Depth = 4'  
Top of Stone Crest = 315.0  
Bottom Elevation = 310.0  
Bottom Dimensions = see plan

"I/We certify that all development and construction will be 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 District of Natural Resources Approved Training Program for the Control of Sedimentation 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  
Signature of Developer/Builder  
Date 7/5/83

Reviewed for Name: Howard S.C.D.  
Signature: [Signature]  
Date: 8-18-83  
U.S. SOIL CONSERVATION SERVICE  
THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
Approved Date

Note: Ex. Trap #3 to be Utilized  
Ex. Trap #3 S.O.S.T. (ST-3)  
DA = 4.4 Acres  
Storage Required = 44,000/7920 CF  
Storage Provided = 7920 CF  
Depth = 4'  
Top of Stone Crest = 318.5  
Bottom Elevation = 310.5  
Bottom Dimensions = 47' X 28'

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  
Date 7-5-83

PLAT REFERENCE: PLAT 5537

<p><b>CLARK · FINEFROCK &amp; SACKETT</b> ENGINEERS · PLANNERS · SURVEYORS 11314 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400</p>		
DESIGNED	SEDIMENT & EROSION CONTROL PLAN LOTS 45 THRU 68	SCALE 1"=30'
DRAWN	MURRAY HILL	DRAWING 20#4
CHECKED	SECTION 4 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 83-057
DATE	FOR: DIVERSIFIED HOUSING CORP. Suite 211 American City Bldg. Columbia, Maryland 21044	FILE NO. 83-057SE
7-1-83		

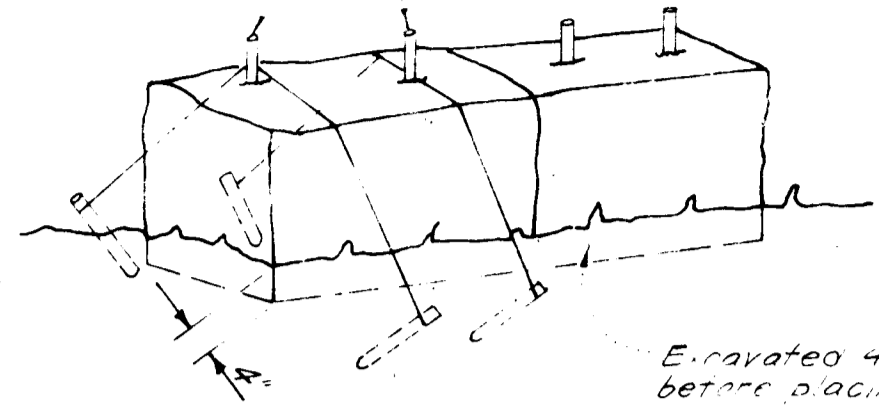
SDP-84-09

**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 3.55/1000 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 70-80 lbs/1000 sf. Mulch shall be secured to the ground by any approved method e.g. 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 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 N.A.
- Total Amount of Straw Bales or Silt Fence shown = 160 L.F.
- SITE ANALYSIS:
  - Total Area: 2.250 Acres
  - Area to be Reroofed: 0.351 Acres
  - Area to be Paved: 0.054 Acres
  - Area to be Seeded: 1.654 Acres
  - Area Undisturbed: 0.193 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.

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



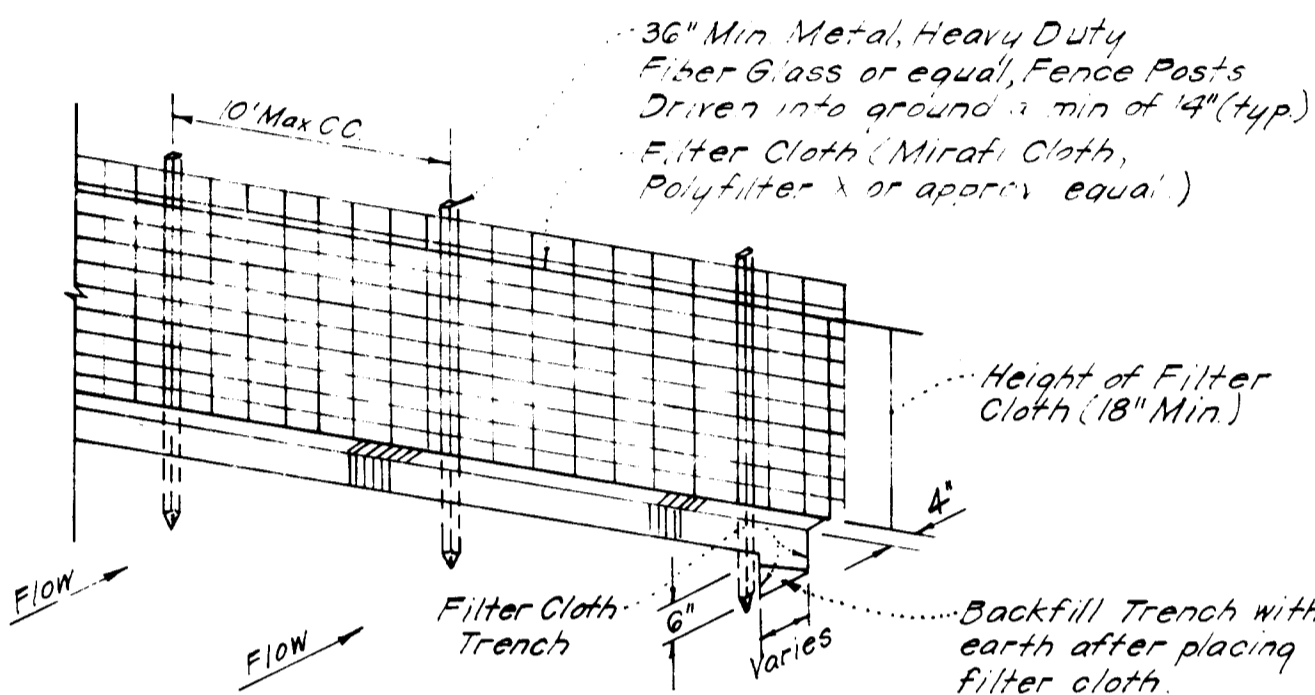
Excavate 4" below ground between spacing bales.

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

Woven wire fence - Min 4 ga. 6" Max spacing



3/8" Min Metal Heavy Duty Fiber Glass or equal Fence Posts Driven into ground 1 min of 4" (typ). Filter Cloth (Mirafilt Cloth, Polyfilter-X or approx equal)

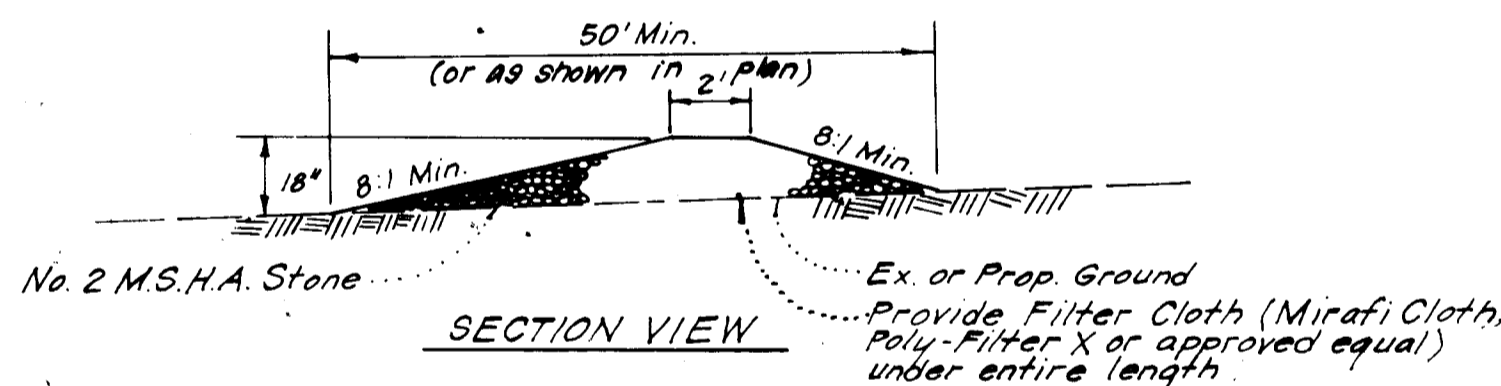
Height of Filter Cloth (18" Min)

Backfill Trench with earth after placing filter cloth.

- 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.)**

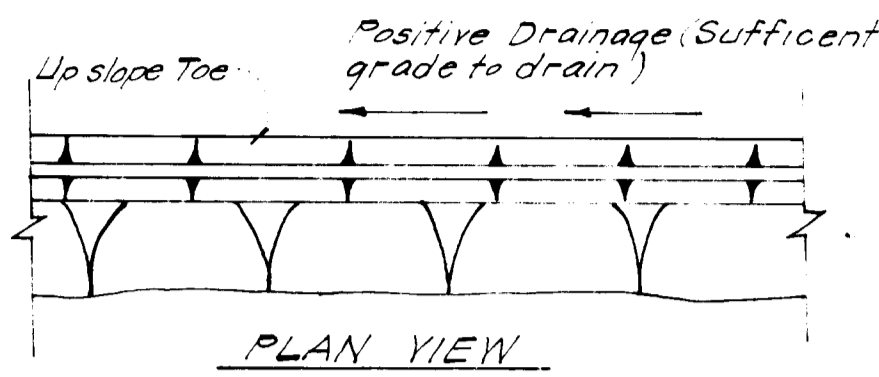
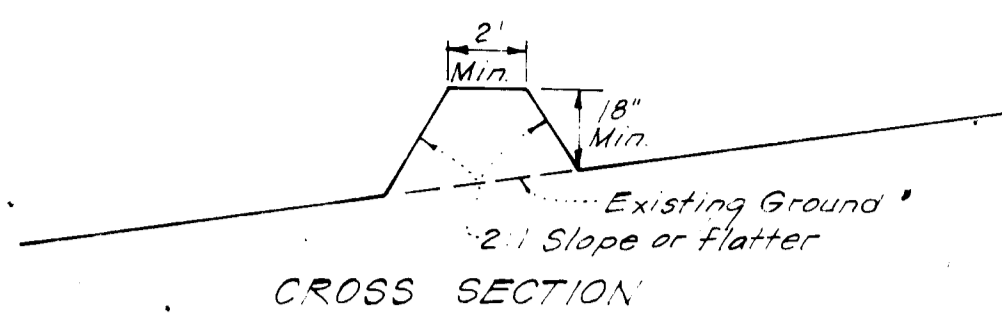
No SCALE



**STONE CONSTRUCTION ENTRANCE (S.C.E.)**

No SCALE

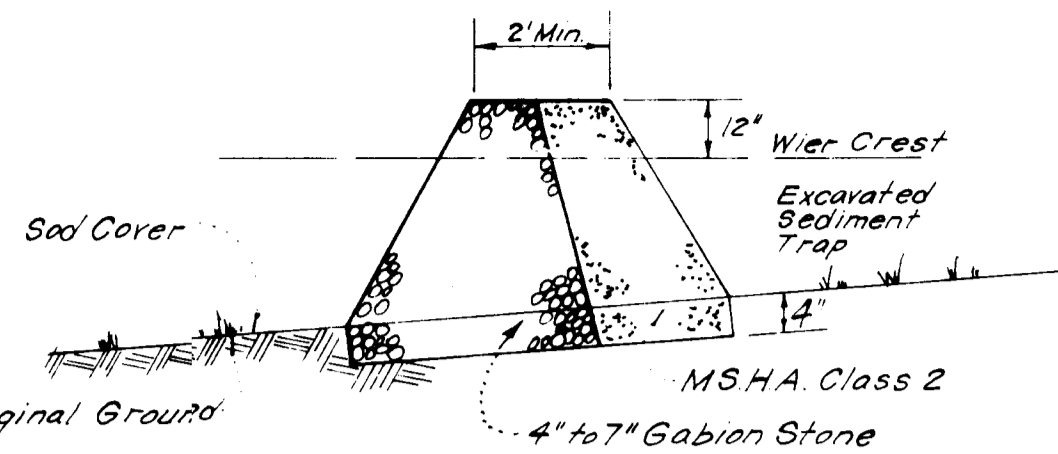
Ex. or Prop. Ground Provide Filter Cloth (Mirafilt Cloth, Polyfilter-X or approved equal) under entire length.



**PERIMETER DIKE (P.D.)**

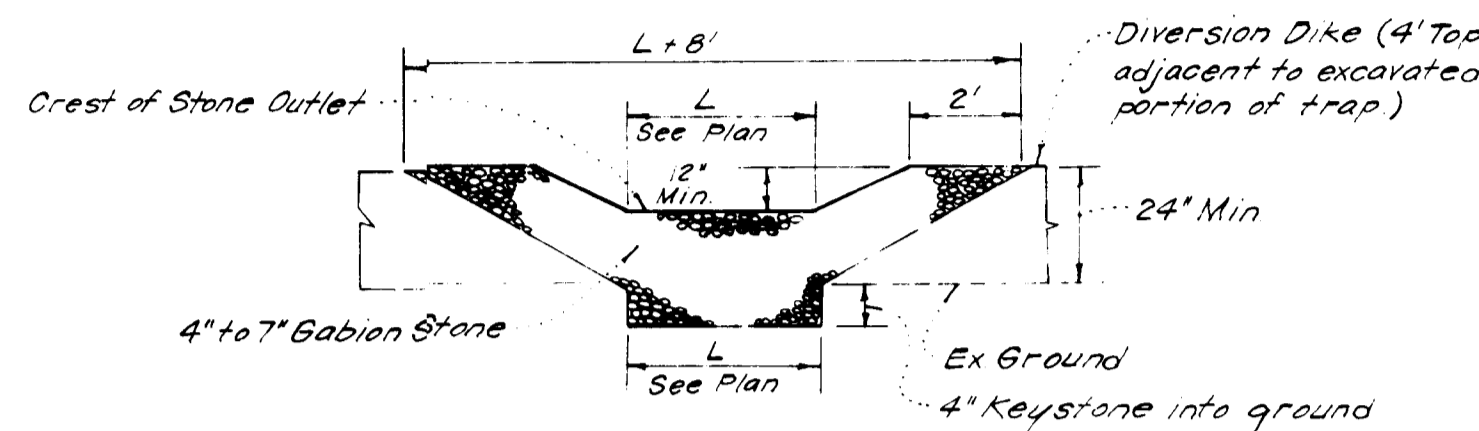
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Positive Drainage (Sufficient grade to drain)



Note: For Dimensions not shown see plan

**PROFILE**

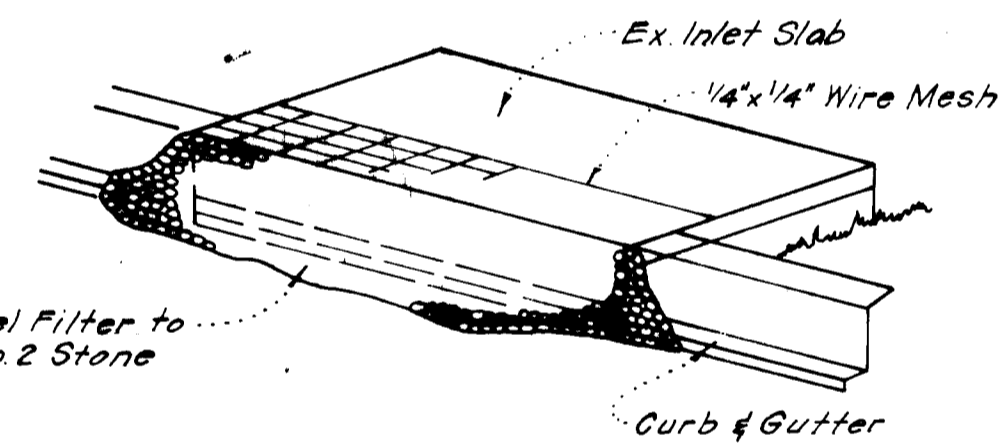


**CROSS SECTION**

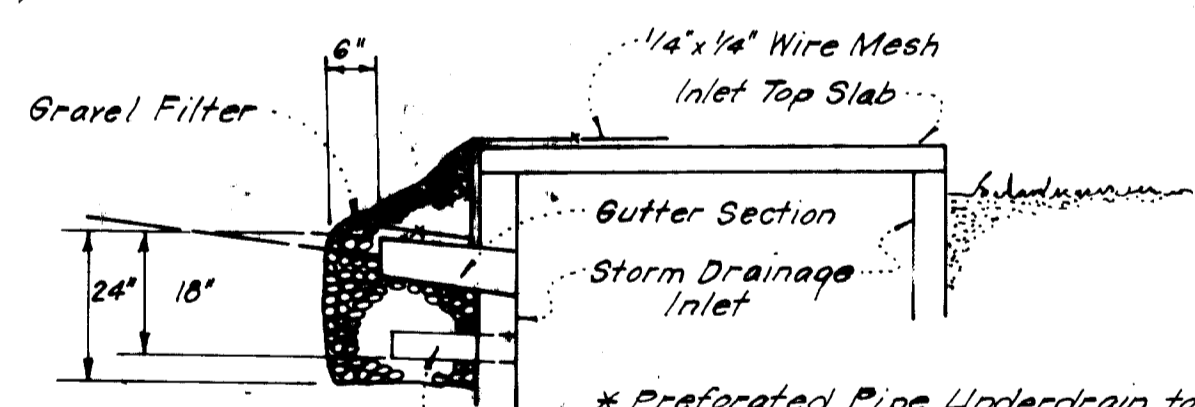
- Notes:
- Sediment Trap to be cleaned out when sediment reaches a level of 1ft below crest of stone outlet.
  - Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.
  - Stone Outlet to be constructed through diversion dike adjacent to excavated.

**DETAILS OF STONE FILTER OUTLET FOR STONE OUTLET SEDIMENT TRAP**

No SCALE



**ISOMETRIC VIEW**



**STONE FILTER INLET PROTECTION (S.F.I.P.)**

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.

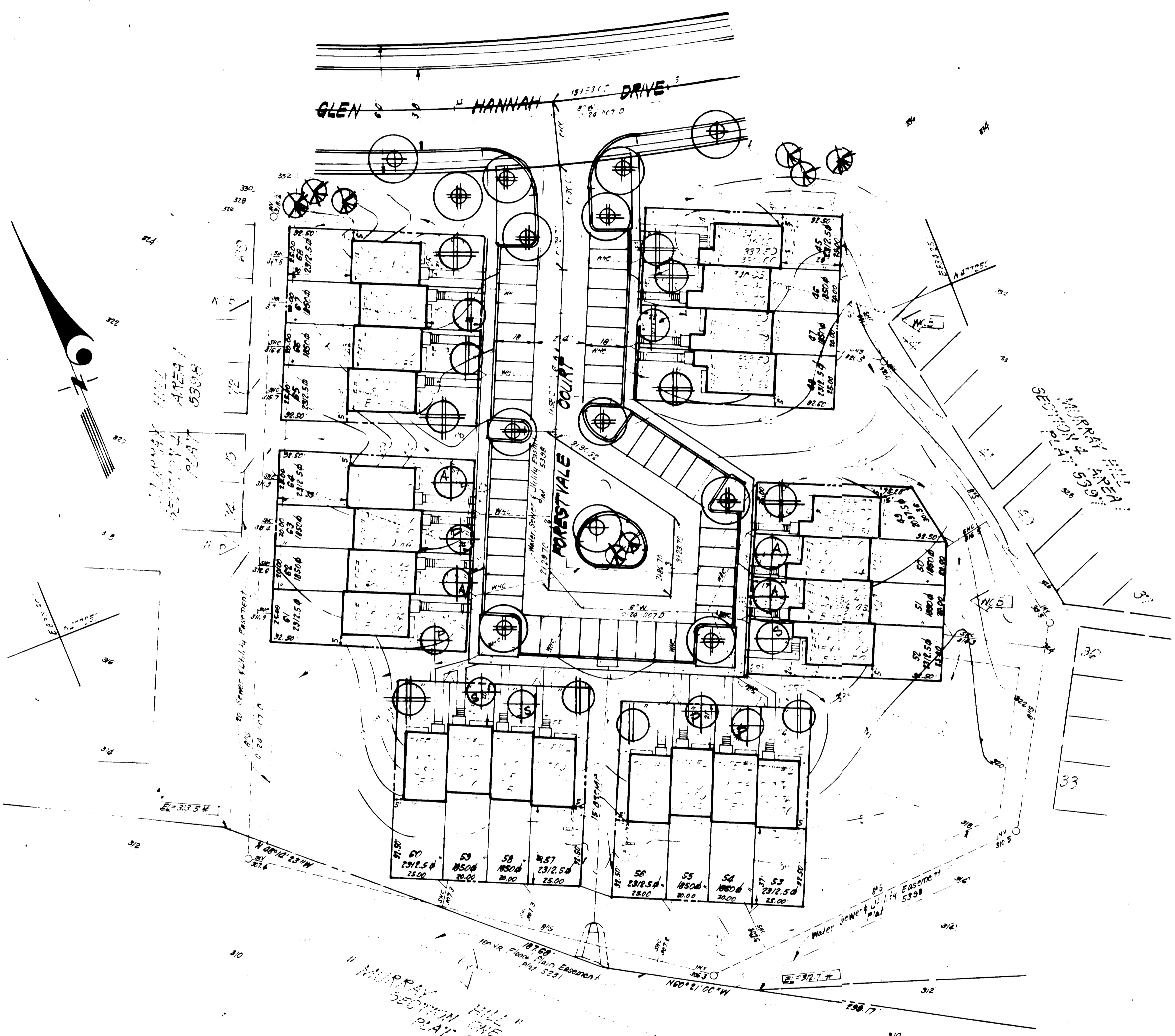
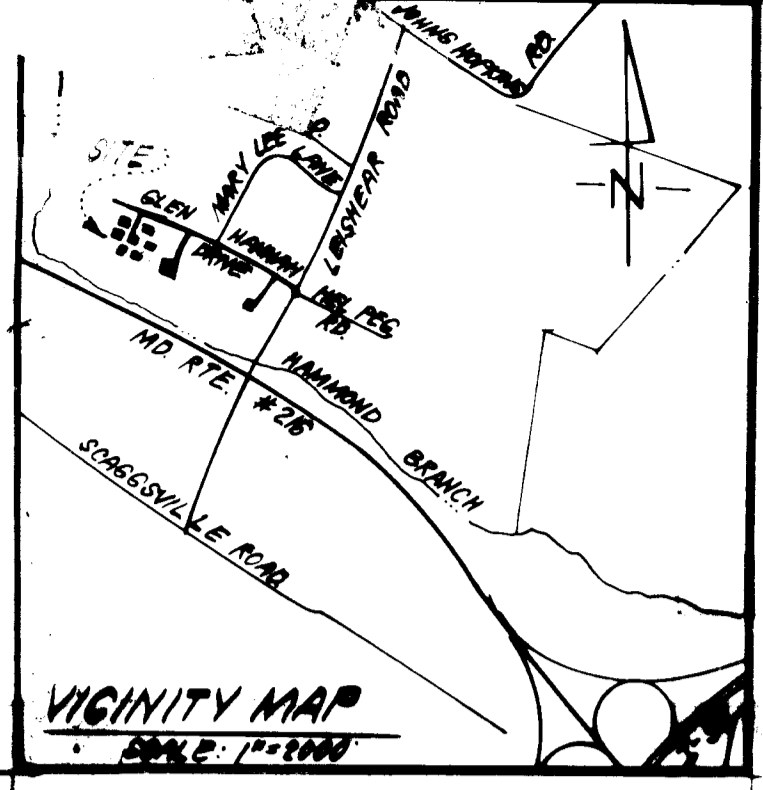
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT DATE: 7/24/83	APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION HOWARD COUNTY, MARYLAND DATE: 8-8-83
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING DATE: 8-25-83	
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DATE: 8-24-83	
CHIEF BUREAU OF ENGINEERING DATE: 8-24-83	

Reviewed for: S.C.D.  
Name: Robert Zickler  
Signature: Robert Zickler  
Date: 8-18-83  
U.S. Soil Conservation Service  
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

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: Paul Montgomery  
Date: 7/5/83

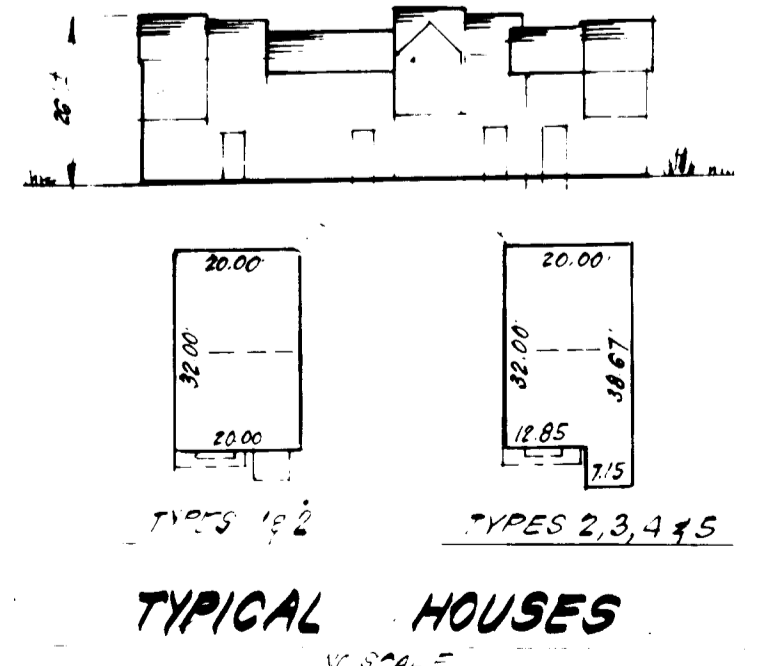
STATE OF MARYLAND  
PROFESSIONAL ENGINEER  
CLARK • FINEFROCK & SACKETT  
ENGINEERS • PLANNERS • SURVEYORS  
11315 LOCKWOOD DRIVE  
COLUMBIA, MARYLAND 21044  
1011 593 3401

DESIGNED: JLS	SEDIMENT & EROSION CONTROL PLAN LOTS 45 THRU 63 MURRAY HILL	SCALE: AS SHOWN
DRAWN: KIN	SECTION 4 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	DRAWING: 304
CHECKED: JLS	MOR: DIVERSIFIED HOUSING CORP. SUITE 211 AMERICAN CITY Bldg Columbia Md 21044	JOB NO: 83057
DATE: 7-1-83		FILE NO: 83-057-SF



APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE: 8-8-83  
*[Signature]*

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*[Signature]* DATE: 8-25-83  
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 ACTING *[Signature]* DATE: 8-25-83  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* DATE: 8-24-83  
*[Signature]* DATE: 8-23-83



PLANT SCHEDULE				
KEY	PLANT NAME	SIZE	QUANT	REMARKS
	TREES IN PUBLIC AREAS	MIN.		EXCEPT HEAVY HEADS
⊕	ACER RUPARUM RED MAPLE	2 1/2" CAL MIN.	3	
⊕	FRAXINUS P. LANCEOLATA SPREADER GREEN ASH	2 1/2" CAL MIN.	10	
⊕	PIRUS STROBUS WHITE PINE	6-8 HT.	8	
	TREES ON PRIVATE LOTS			
⊕	PRUNUS S. KVANZAN KVANZAN CHERRY	6-8 HT	7	
⊕	PIRUS CALLERIANA 'BRADFORD' BRADFORD PEAR		6	
⊕	MALUS AMERICAN BEAUTY AMERICAN BEAUTY CRABAPPLE		4	
⊕	MALUS PINK PERFECTION PINK PERFECTION CRABAPPLE		4	
⊕	MALUS SNOWCLOUD SNOWCLOUD CRABAPPLE		3	

NOTE:  
 • TREES IN PUBLIC AREAS ARE THE RESPONSIBILITY OF THE DEVELOPER  
 • CONTRACTOR SHALL VERIFY LOCATIONS OF CONFLICTING UNDERGROUND UTILITIES PRIOR TO DIGGING  
 • SUBSTITUTIONS MAY BE PERMITTED WITH APPROVAL OF THE OWNER

*Wayford R. Therman*  
 8-16-83

**CLARK • FINEFROCK & SACKETT**  
 ENGINEERS • PLANNERS • SURVEYORS  
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-1100

DESIGNED	<b>LANDSCAPE PLANTING PLAN</b> LOTS 45 THRU 68 <b>MURRAY HILL</b> SECTION 4 AREA 1 6 <sup>TH</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: DIVERSIFIED HOLDING CORP. AMERICAN CITY BUILDING COLUMBIA, MD 21044	SCALE
DRAWN		1" = 30'
CHECKED		DRAWING
DATE		JOB NO.
7-6-83		83-057
	FILE NO.	83-0576