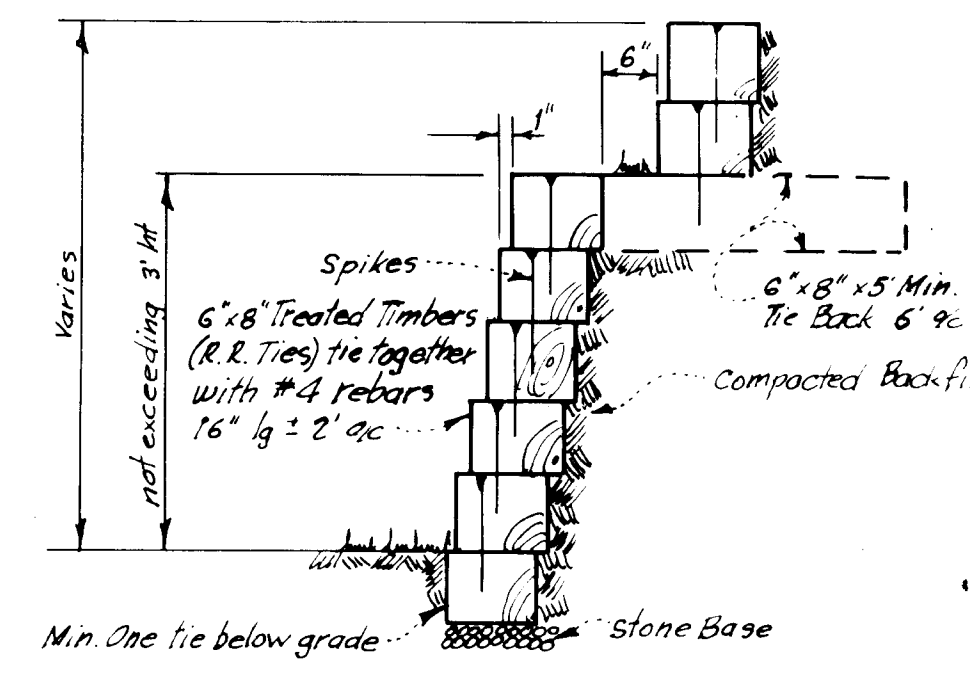
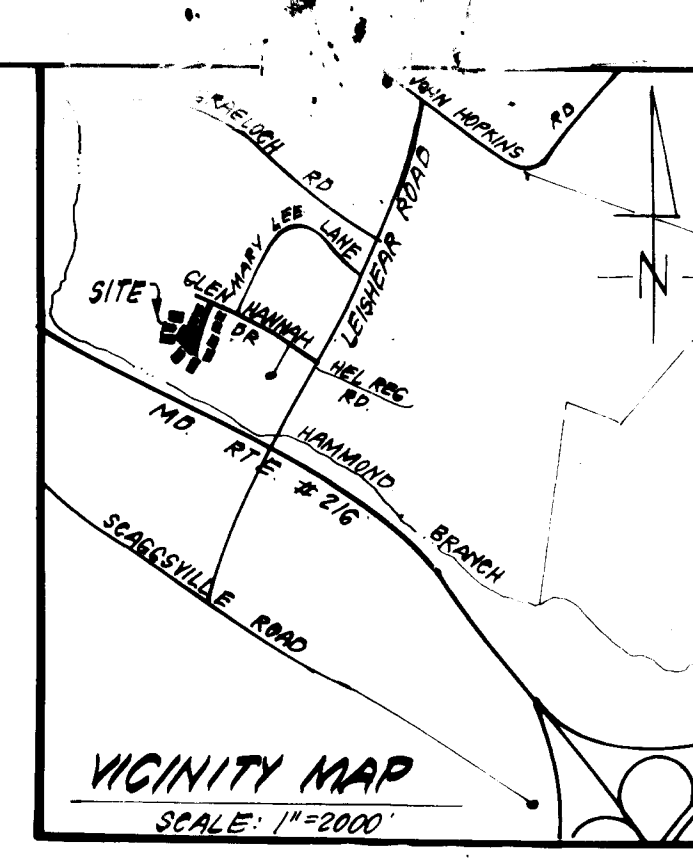


**NOTES:**

1. All trials 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 #3
6. The total area included in this plan is 2.870 Acres.
7. Any damage to county owned rights of way shall be corrected at the developer's expense.
8. Number of Parking Spaces: Required: 88 Provided: 89
9. Number of Units shown: 44
10. Maximum Building Coverage is: 40 %
  - George town (Types A & D) 530 - 1550 Min. Lot Size
  - George town (Types B & C) 540 - 1350 Min. Lot Size
  - Fair Field 550 - 1550 Min. Lot Size
  - Lexington 555 - 1566.5 Min. Lot Size
  - Pepperwood (Types A & D) 510 - 1237.5 Min. Lot Size
  - Pepperwood (Types B & C) 520 - 1255 Min. Lot Size
11. Whiterock Ct. is a public road and construction shall be under F-83-64.

**LEGEND:**

1. Contour Interval 2 FT
2. Existing Contour (dashed line)
3. Proposed Contour (solid line)
4. Spot Elevation (+105)
5. Direction of Drainage (arrow)
6. Walk-Out Basement (WOB)
7. 100 Yr. Flood Plain Elevation (E834550)
8. Exist Woods to be retained (cloud symbol)

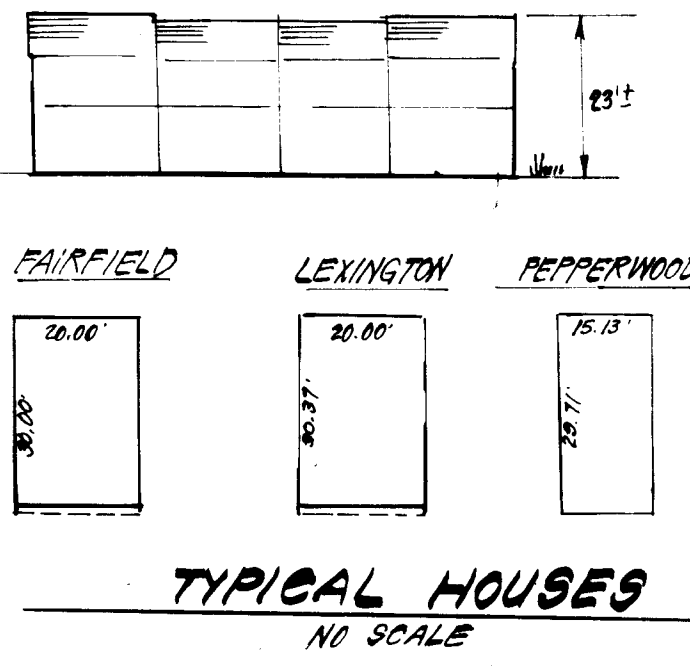


APPROVED  
SECTION OF LAND DEVL  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 8-5-83  
M/S / SJO

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE 8/19/83  
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE 8-19-83  
ACTING DIRECTOR  
CHIEF DIVISION OF LAND DEVELOPMENT/ZONING ADMIN

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 8-17-83  
DIRECTOR  
CHIEF BUREAU OF ENGINEERING



ZONING RSC  
MURRAY HILL  
SECTION 3 AREA 2  
PLAT 5302

ADDRESS CHART		ADDRESS CHART	
LOT NUMBER	STREET ADDRESS	LOT NUMBER	STREET ADDRESS
1	10601 WHITE ROCK COURT	23	10655 WHITE ROCK COURT
2	10603 " "	24	10657 " "
3	10605 " "	25	10652 " "
4	10607 " "	26	10650 " "
5	10611 " "	27	10648 " "
6	10613 " "	28	10646 " "
7	10615 " "	29	10642 " "
8	10617 " "	30	10640 " "
9	10621 " "	31	10640 " "
10	10623 " "	32	10632 " "
11	10625 " "	33	10632 " "
12	10627 " "	34	10628 " "
13	10627 " "	35	10626 " "
14	10633 " "	36	10624 " "
15	10635 " "	37	10622 " "
16	10637 " "	38	10618 " "
17	10641 " "	39	10616 " "
18	10643 " "	40	10612 " "
19	10645 " "	41	10608 " "
20	10647 " "	42	10606 " "
21	10651 " "	43	10604 " "
22	10653 " "	44	10602 " "

Notes: Public Water & Sewer shown for Reference Only.  
For more detailed information - See Water & Sewer plans Contract No. C-24-1107-D W/S  
SEE Road Construction Plans for Installation of Public Utilities F-83-64

SUBDIVISION NAME MURRAY HILL	SECT./AREA 4/1	LOT/PARCEL 1 thru 44
PLAT # OR LIF BLOCK # 5397	ZONE G	TAX/ZONE MAP ELEC. DIST. CENSUS TR. 46, Par #3 G III 6062
WATER CODE E17	SEWER CODE 7550000	

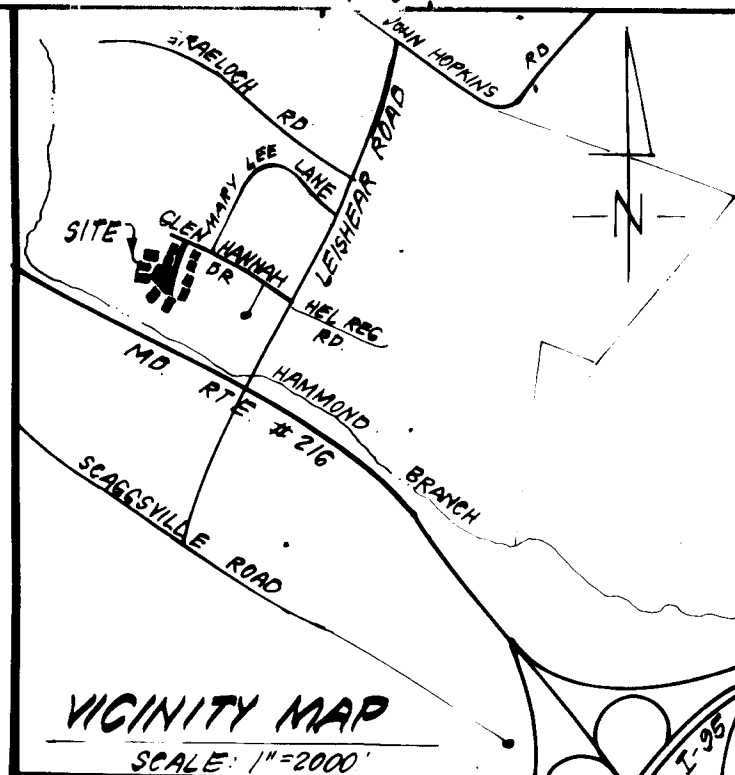
**CLARK · FINEFROCK & SACKETT**  
ENGINEERS · PLANNERS · SURVEYORS  
11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

DESIGNED: [Signature]  
DRAWN: [Signature]  
CHECKED: [Signature]  
DATE: 5-20-83

**SITE DEVELOPMENT PLAN**  
LOTS 1 THRU 44  
**MURRAY HILL**  
SECTION 4 AREA 1  
6TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
FOR: RYAN HOMES, INC.  
3011 Mallard Drive  
Laurel, Maryland 20811

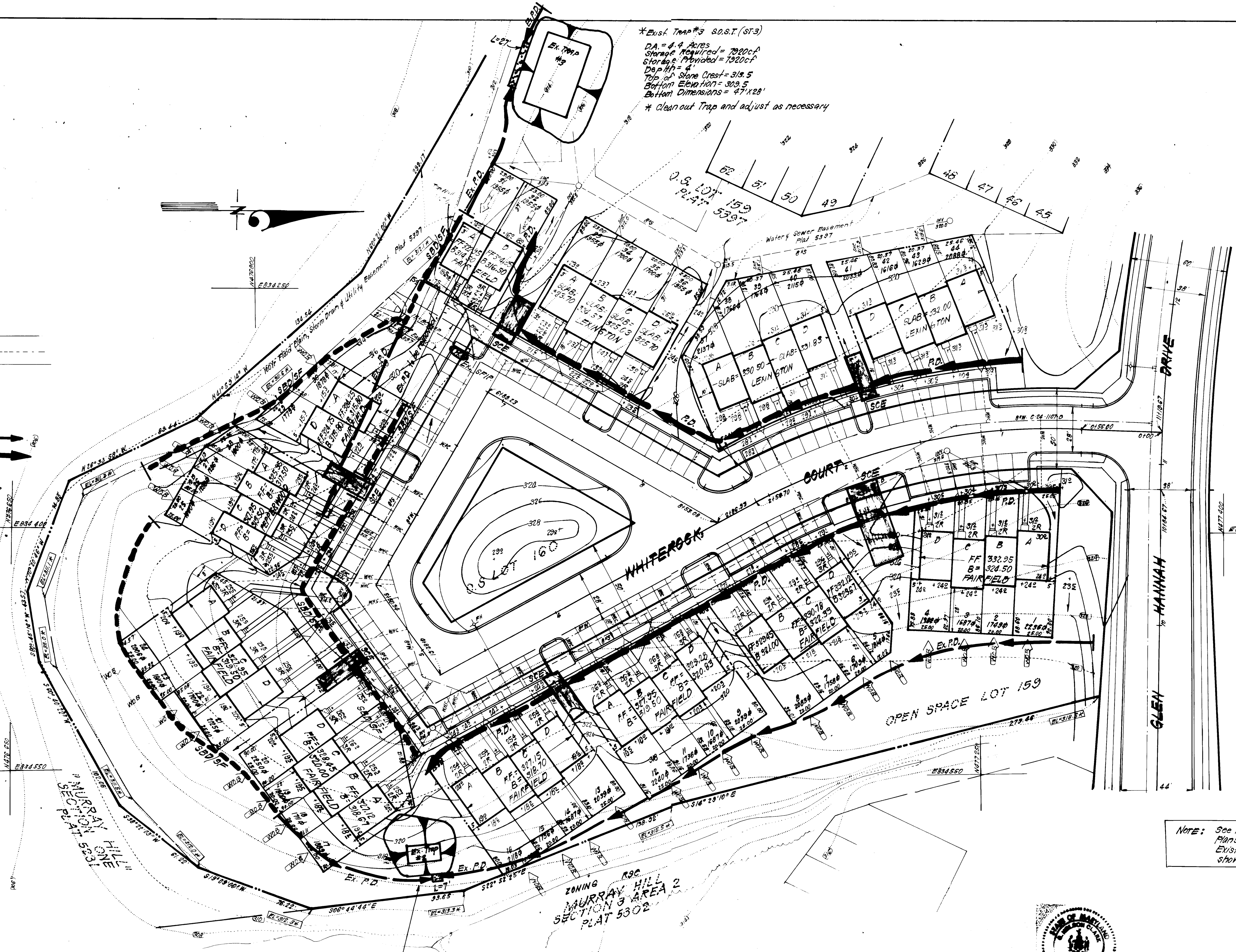
SCALE: 1"=30'  
DRAWING: 1074  
JOB NO.: 83048  
FILE NO.: 83048-X





\*Ex. Trap #3 S.O.S.T. (ST3)  
 DA = 4.4 Acres  
 Storage Required = 7920cF  
 Storage Provided = 7920cF  
 Dep. Ht. Stone Crest = 319.5  
 Top of Stone Crest = 309.5  
 Bottom Elev. = 309.5  
 Bottom Dimensions = 47' x 28'  
 \* Clean out Trap and adjust as necessary

- LEGEND:**
- Contour Interval 2 FT
  - Existing Contour 310
  - Proposed Contour 310
  - Spot Elevation +105
  - Direction of Drainage
  - Walk-Out Basement
  - 100 Yr Flood Plain Elevation
  - Exist. Woods to be retained
  - Exist. Perimeter Dike Ex. P.D.
  - Perimeter Dike P.D.
  - Straw Bale Dike or Silt Fence S.B.D./S.F.
  - Exist. Stone Filter Inlet Protection EX. STIP
  - Stone Construction Entrance SCE
  - Exist. Sediment Trap



Note: See Previously Approved Road Construction Plans for Murray Hill, Section 4, Area 1 for Existing Sediment & Erosion Control Measures shown. P-83-C4

ZONING R.O.C.  
 MURRAY HILL  
 SECTION 3 AREA 2  
 PLAT 5302

\*Ex. Trap #2 S.O.S.T. (ST2)  
 DA = 1.1 Acres  
 Storage Required = 1980cF  
 Storage Provided = 2016cF  
 Dep. Ht. = 4'  
 Top of Stone Crest = 316.0  
 Bottom Elev. = 312.0  
 Bottom Dimensions = 20' x 10'  
 \* Existing Trap #2 to be cleaned out and adjusted as shown in plan.

Reviewed for: *Shawhan* M.C.D.  
 Name  
 and meets Technical Requirements  
*Alonso M. Nelm* 8-15-83  
 Signature Date  
 U.S. Soil Conservation Service

HIS DEVELOPMENT PLAN IS APPROVED  
 FOR CONSTRUCTION AND SEDIMENT  
 CONTROL BY THE HOWARD SOIL  
 CONSERVATION DISTRICT  
*W. J. Nelm* 8-15-83  
 Approved Date

I hereby certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of the 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 inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.  
*John H. Lauffer* 5/20/83  
 Signature of Developer/Builder Date  
 LARRY LAUFFER

**ENGINEERS' 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* 5-20-83  
 Signature Date  
 G. Nelson Clark



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
*M. Bond* 8/18/83  
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*Amor* 8-15-83  
 PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*F. Nelm* 8-17-83  
 DIRECTOR DATE

*R. P. ...* 8-16-83  
 CHIEF BUREAU OF ENGINEERING DATE

APPROVED:  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 8-5-83  
*...*

PLAT REFERENCE: 5307

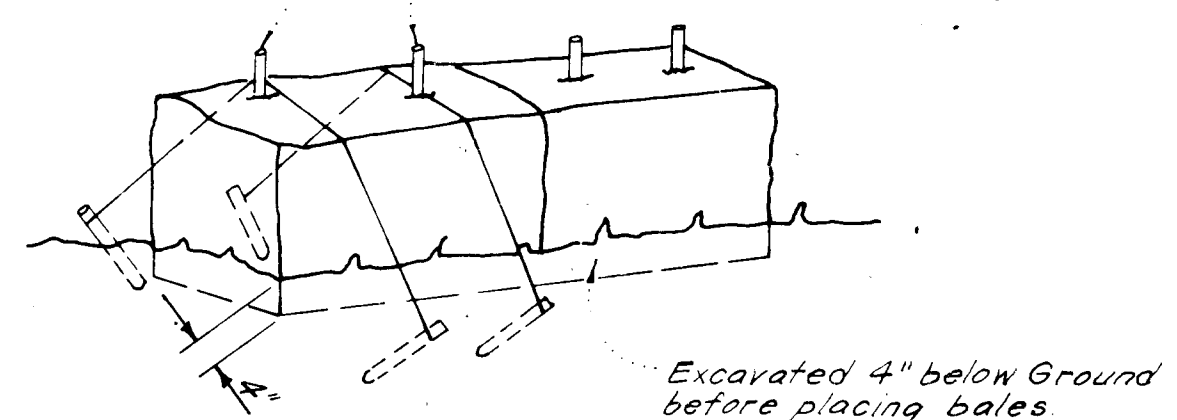
<b>CLARK · FINEFROCK &amp; SACKETT</b> ENGINEERS · PLANNERS · SURVEYORS 11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED	<b>SEDIMENT &amp; EROSION CONTROL PLAN</b> LOTS 1 THRU 44 <b>MURRAY HILL</b> SECTION 4 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: RYAN HOMES, INC. 3011 MALLARD DRIVE LAUREL MARYLAND 20811	SCALE
DRAWN		1" = 30'
CHECKED		DRAWING
DATE		JOB NO.
		FILE NO.
5-20-83	83-048	83-048 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 - use 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 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 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.
- 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 = 700 - F
- SITE ANALYSIS:
  - Total Area: 2.870 Acres
  - Area to be Roofed: 0.629 Acres
  - Area to be Paved: 0.110 Acres
  - Area to be Seeded: 1.131 Acres
  - Area Undisturbed: NONE 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.

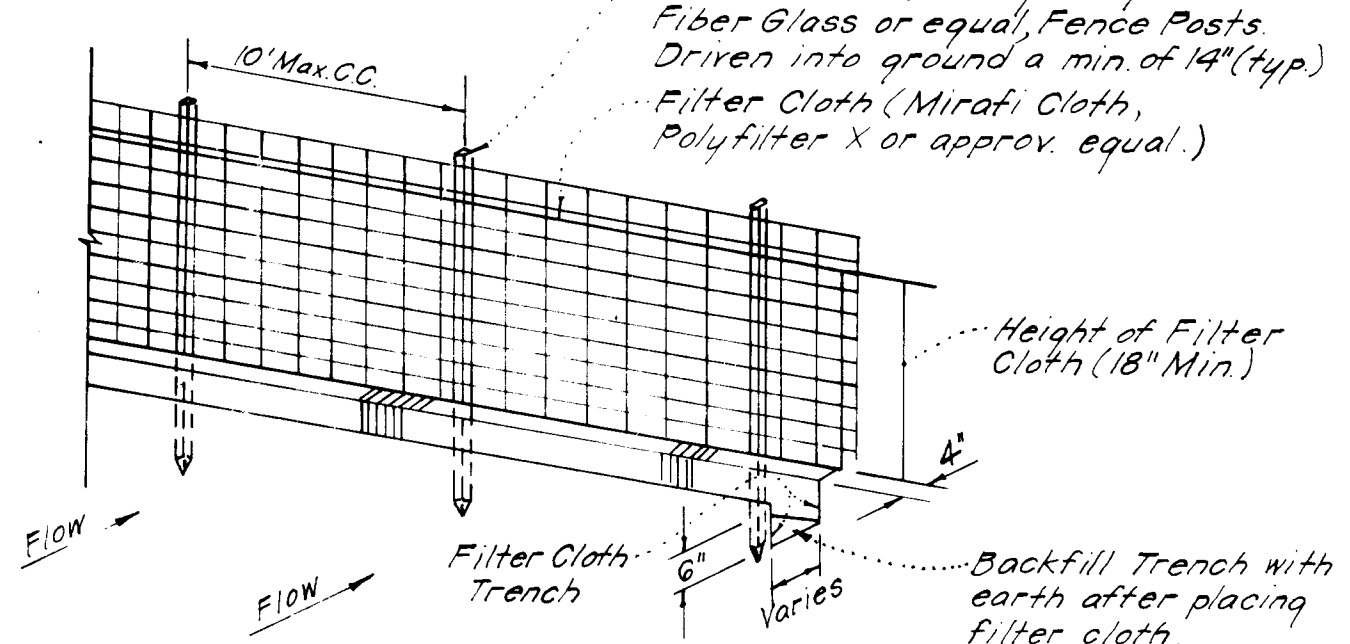
All bales shall be tied with non-weathering materials, i.e., wire, nylon.



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.)

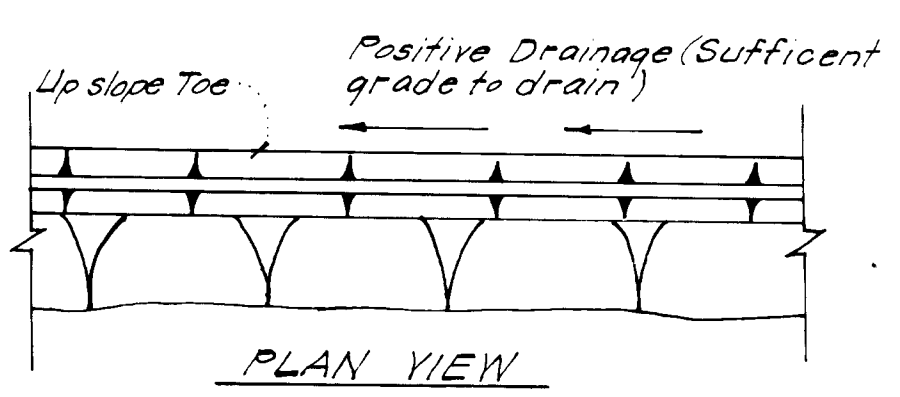
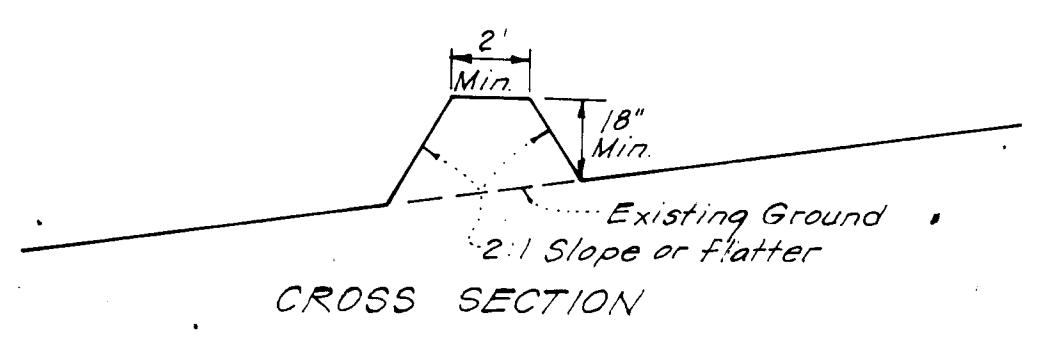
**STRAW BALE DIKE DETAIL (S.B.D.)**  
NO SCALE

Woven wire fence - Min 14 gage;  
6" Max spacing  
3/8" Min Metal, Heavy Duty Fiber Glass or equal, Fence Posts Driven into ground a min of 14" (typ)  
Filter Cloth (Mirafi Cloth, Polyfilter X or approved equal.)  
Height of Filter Cloth (18" Min)

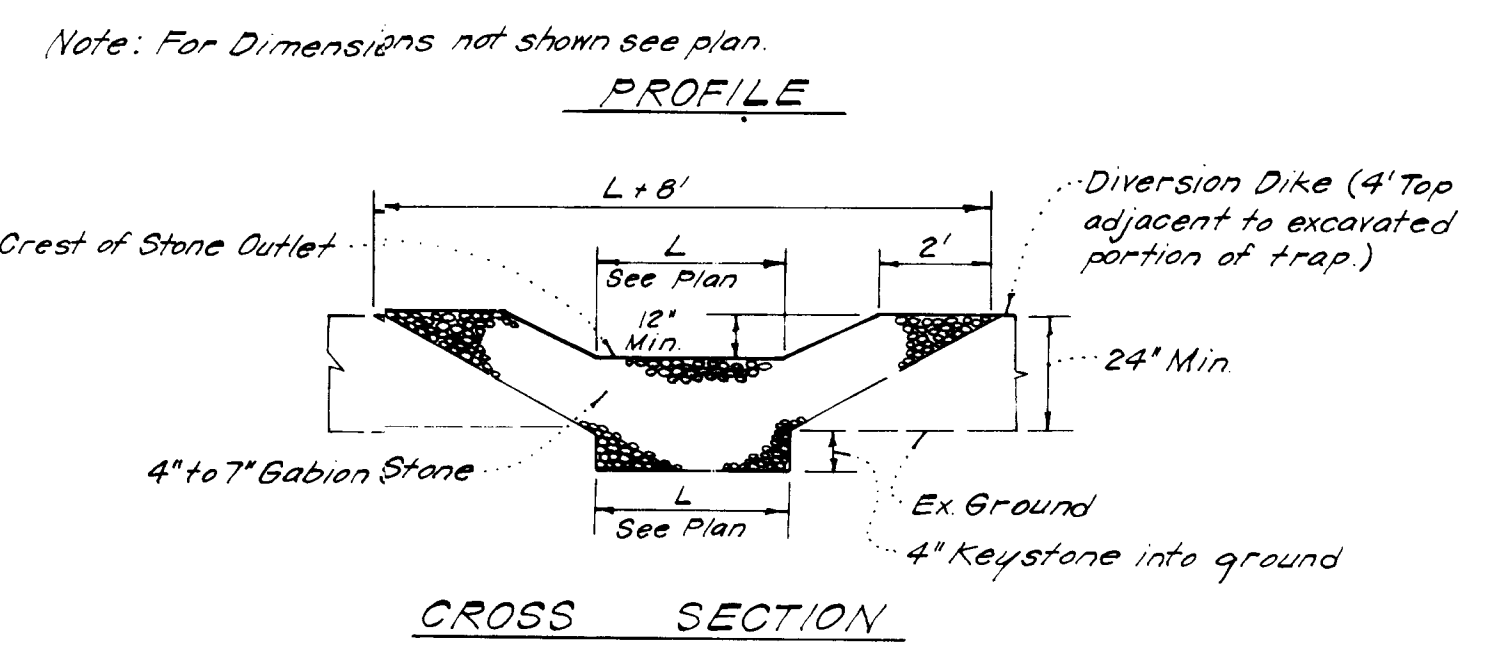
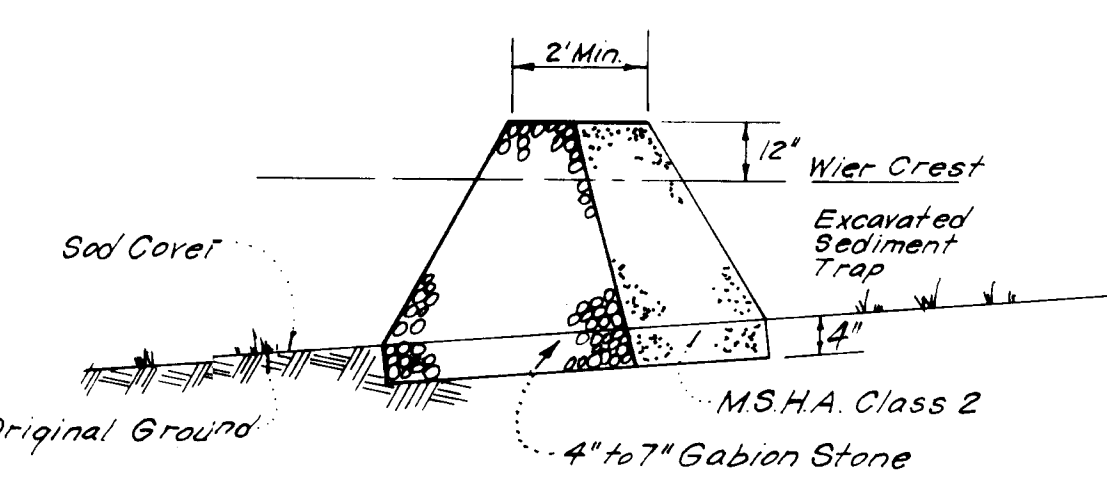


Notes:  
1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.  
2. Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24"x24".

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

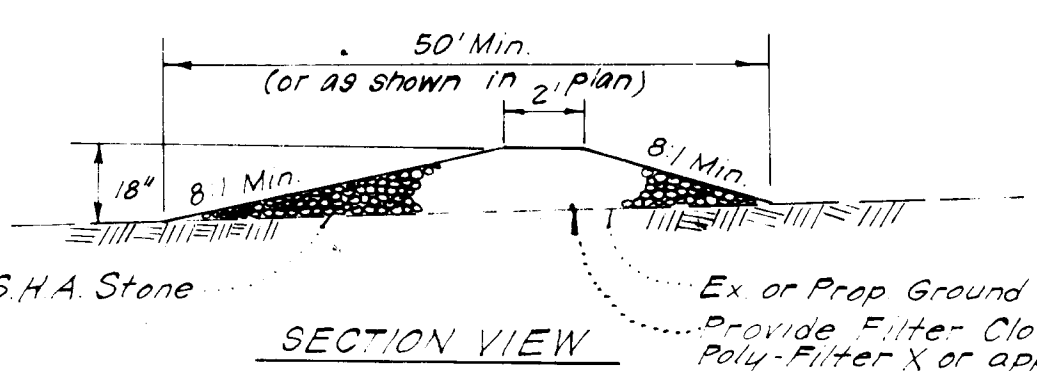


**PERIMETER DIKE (P.D.)**  
NO SCALE

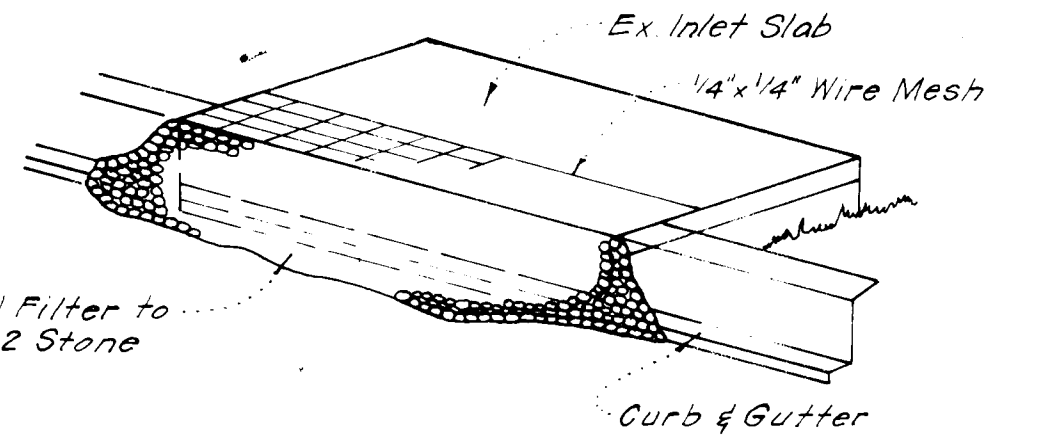


Notes:  
1. Sediment Trap to be cleaned out when sediment reaches a level of 1 ft. below crest of stone outlet.  
2. Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.  
3. Stone Outlet to be constructed through diversion dike adjacent to excavated.

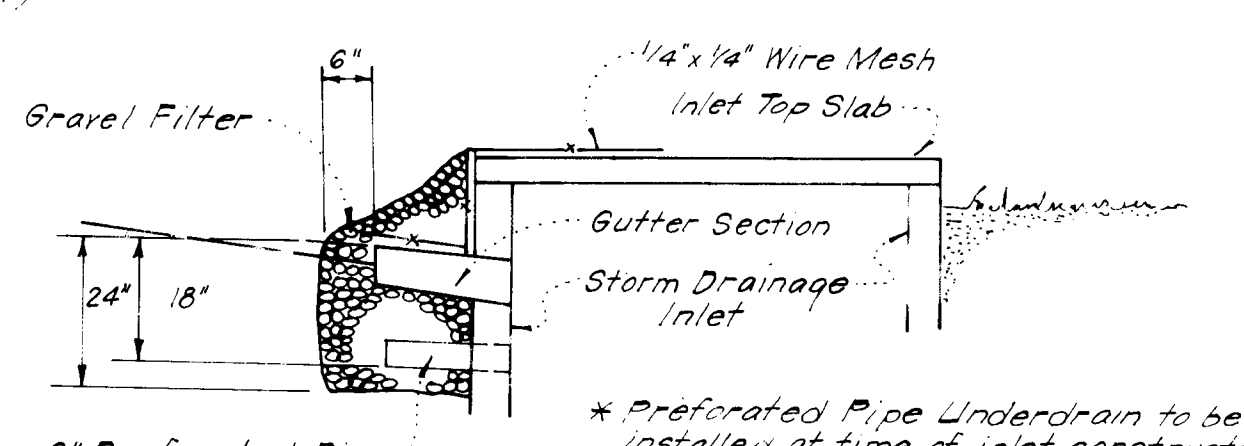
**DETAILS OF STONE FILTER OUTLET FOR STONE OUTLET SEDIMENT TRAP**  
NO SCALE



**STONE CONSTRUCTION ENTRANCE (S.C.E.)**  
NO SCALE



**ISOMETRIC VIEW**



\* 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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 8/18/83  
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 8-17-83  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 8-17-83  
 8-16-83

**APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION HOWARD COUNTY, MARYLAND DATE 8-5-83**

**DEVELOPER'S/BUILDER'S CERTIFICATE**  
 I 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 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.  
 LARRY LAUFFER  
 5/20/83

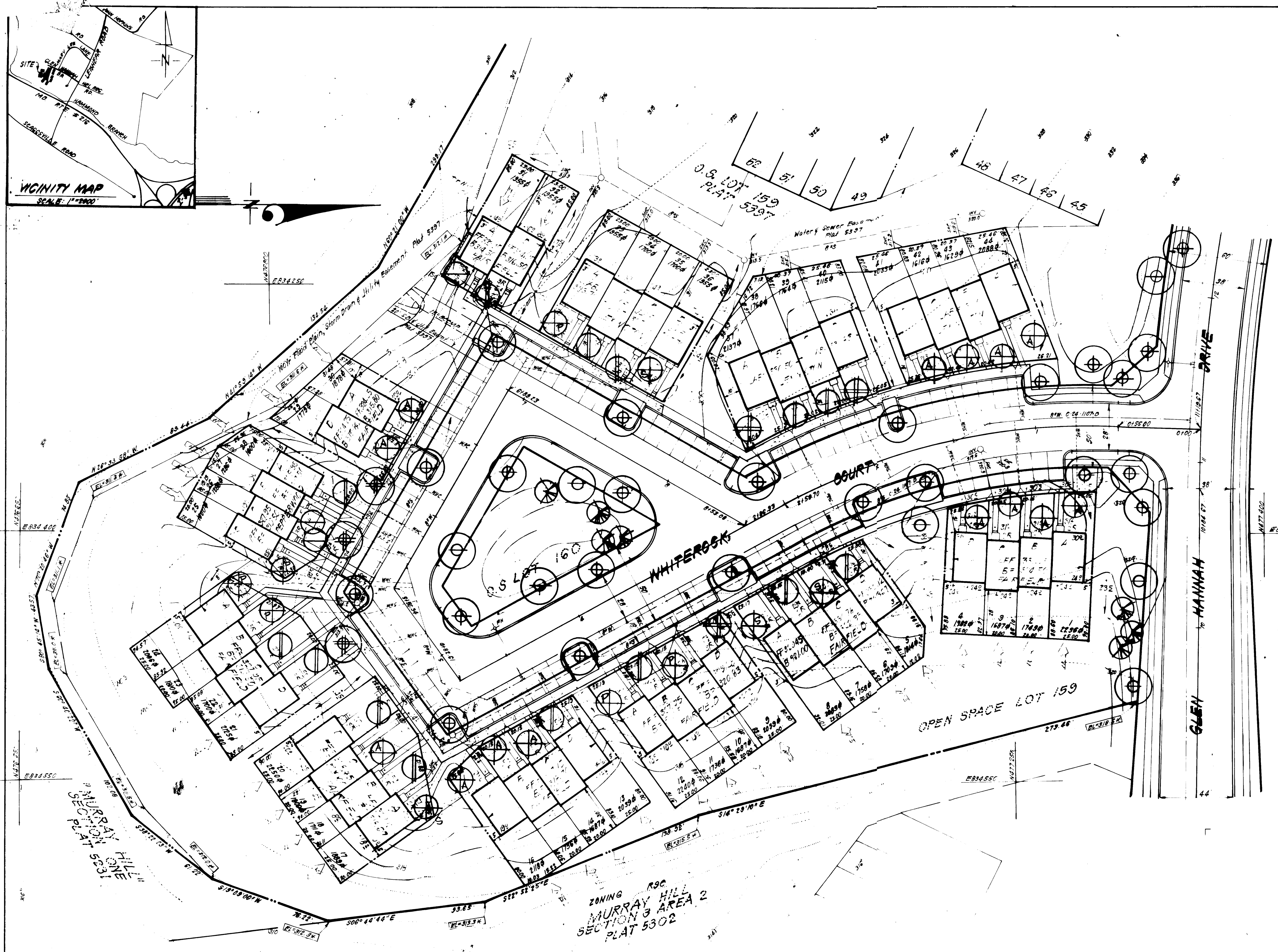
Reviewed for Storm S.C.D.  
 Name  
 Signature  
 Date  
 U.S. Soil Conservation Service  
 THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 8-15-83  
 8-15-83



**ENGINEERS 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.  
 5-20-83

**CLARK • FINEFROCK & SACKETT**  
 ENGINEERS • PLANNERS • SURVEYORS  
 11515 LOCKWOOD DRIVE  
 DESIGNED JLS  
 DRAWN KIW  
 CHECKED JLS  
 DATE 5-20-83  
**SEDIMENT & EROSION CONTROL PLAN**  
 LOTS 1 THRU 44  
**MURRAY HILL**  
 SECTION 4 AREA 1  
 6TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 FOR: RYAN HOMES, INC.  
 9811 Mallard Drive  
 Laurel, Md 20881  
 SCALE: As Shown  
 DRAWING: 3054  
 JOB #: 83-048  
 EST.: 83-048-SF





**PLANT SCHEDULE**

KEY	PLANT NAME	SIZE	QUANT	REMARKS
	<b>TREES IN PUBLIC AREAS</b>			248 HEAVY HEADS
⊕	ACER RUBRUM RED MAPLE	2 1/2" CAL. MIN.	20	
⊕	QUERCUS PALUSTRIS PIN OAK	2 1/2" CAL. MIN.	6	
⊕	FRAXINUS P. LANCEOLATA SEEDLESS GREEN ASH	2 1/2" CAL. MIN.	3	
⊗	PINUS STROBUS WHITE PINE	6-8' HT.	7	
	<b>TREES ON PRIVATE LOTS</b>			
⊕A	MALUS AMERICAN BEAUTY AMERICAN BEAUTY CRABAPPLE	6-8' HT.	14	
⊕B	MALUS PINK PERFECTION PINK PERFECTION CRABAPPLE		6	
⊕C	MALUS SNOW CLOUD SNOW CLOUD CRABAPPLE		4	
⊕D	PYRUS CALLERIANA BRADFORD BRADFORD PEAR		14	
⊕E	PRUNUS S. KYANZAN KYANZAN CHERRY		3	
⊕F	CORNUS FLORIDA FLOWERING DOGWOOD		3	

**NOTE:**

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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER  
 DATE 8-16-83

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR  
 DATE 8-19-83

CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
 DATE 8-19-83

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR  
 DATE 8-11-83

CHIEF BUREAU OF ENGINEERING  
 DATE 8-16-83

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 8-5-83  
 [Signature]

ZONING R9C  
 MURRAY HILL  
 SECTION 4 AREA 2  
 PLAT 5302

Wynne D. Thew  
 8-10-83

**CLARK • FINEFROCK & SACKETT**  
 ENGINEERS • PLANNERS • SURVEYORS  
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904

DESIGNED: **LANDSCAPE PLANTING PLAN**  
 LOTS 1 THRU 44

DRAWN: **MURRAY HILL**  
 SECTION 4 AREA 1  
 HOWARD COUNTY, MARYLAND 6TH ELECTION DIST.

CHECKED: [Signature]

DATE: 7-6-82

FOR: RYAN HOMES INC.  
 9811 MALLARD DR.  
 LAUREL, MD.

SCALE: 1"=30'  
 DRAWING: 4 of 4  
 JOB NO:  
 FILE NO: SDP-04815