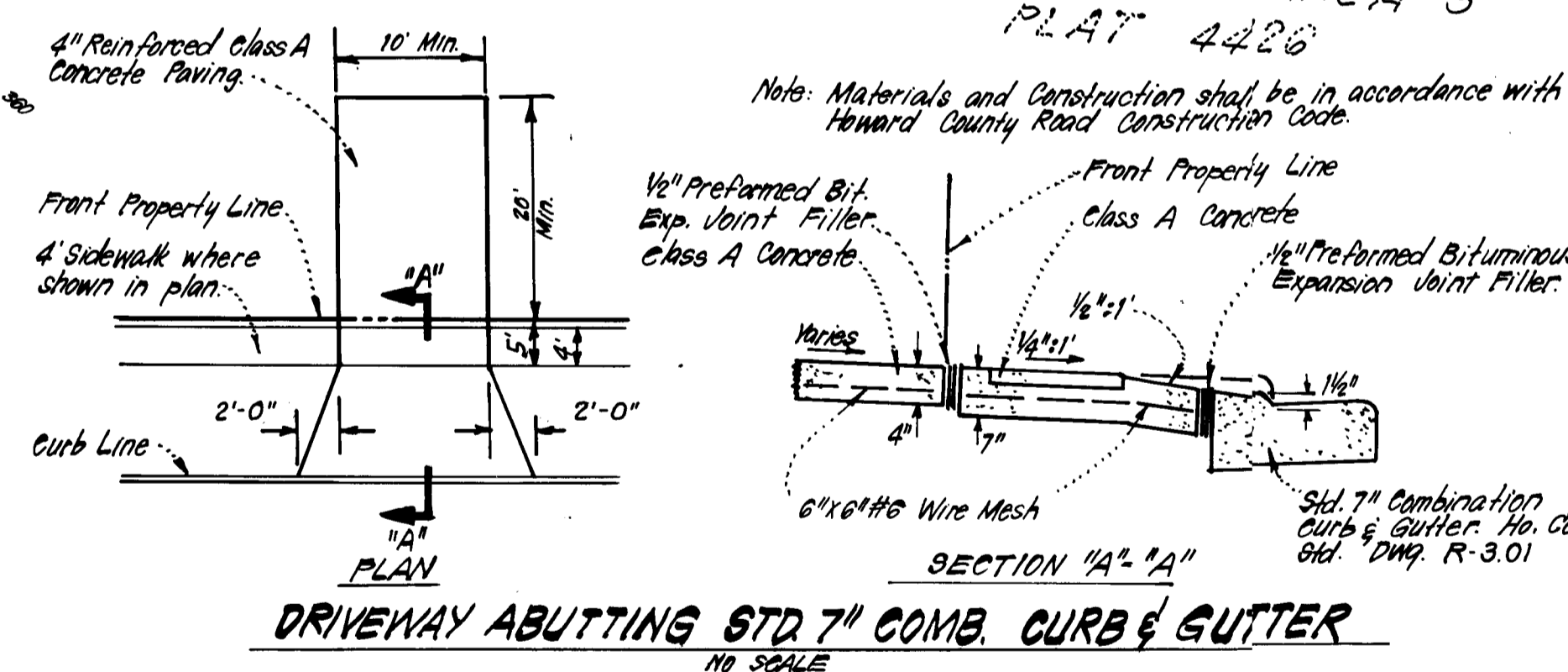
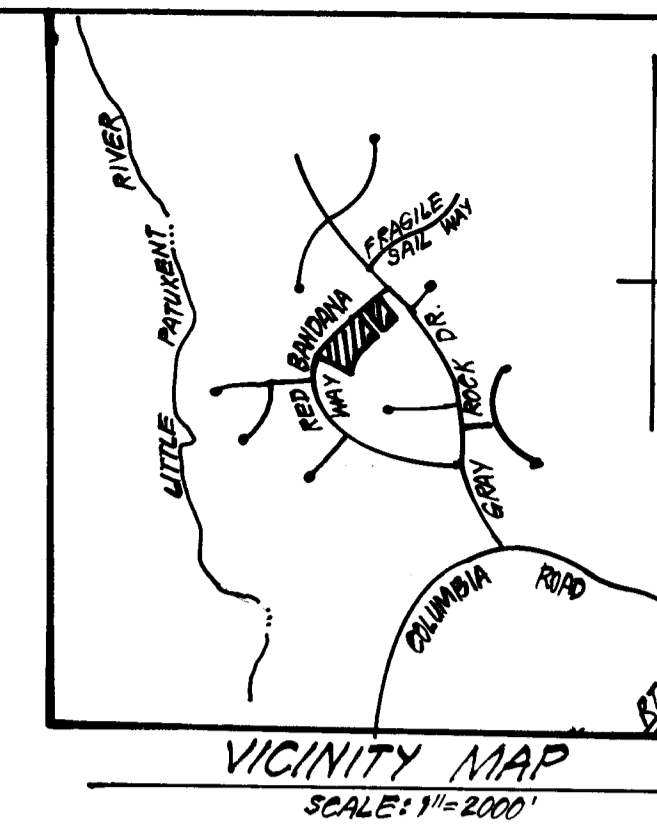
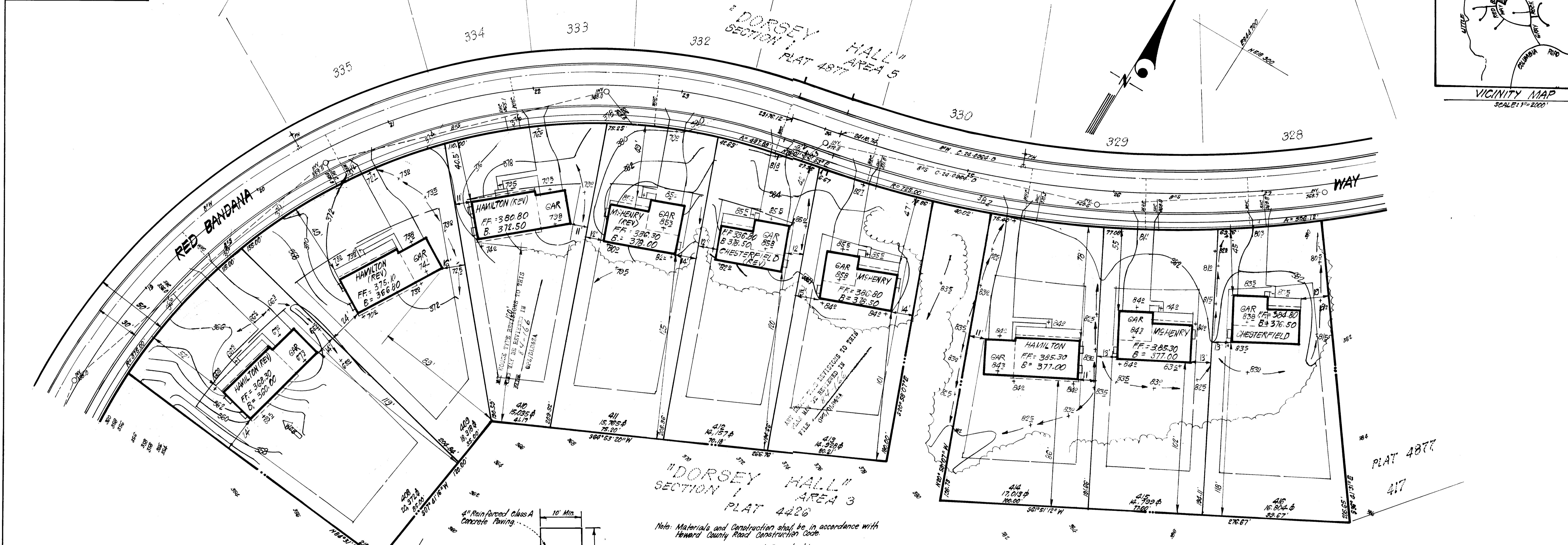


LOT #	STREET ADDRESS
408	4145 RED BANDANA WAY
409	4141 " " "
410	4137 " " "
411	4133 " " "
412	4129 " " "
413	4125 " " "
414	4117 " " "
415	4113 " " "
416	4109 " " "



Approved Road Construction Plans shall be used for installation of Public Utilities.
Public Water and Sewer shown for reference only. See Water & Sewer Plans. Contract C-34-0364 D.

- LEGEND:**
- Contour Interval 2 Ft.
 - Existing Contour - 370
 - Proposed Contour - 376
 - Spot Elevation + 765
 - Direction of Drainage
 - Existing Trees to be Retained
 - Walk-Out Basement

- GENERAL NOTES:**
- The Land included in this plan is zoned R-20.
 - All Coordinates are extensions made from Maryland State Plane Coordinate System. Bearings refer to true north and are based on Maryland Bureau of Control Surveys Point "Columbia Reset 1966" N 512.095.04, E 546.159.78.
 - Tax Map No. 24
 - All Roadways are Public & Existing.
 - Total Area: 3.393 Acres.
 - Any damage to county owned rights of way shall be corrected at the Developer's expense.
 - Total number of Lots in this plan: 9.

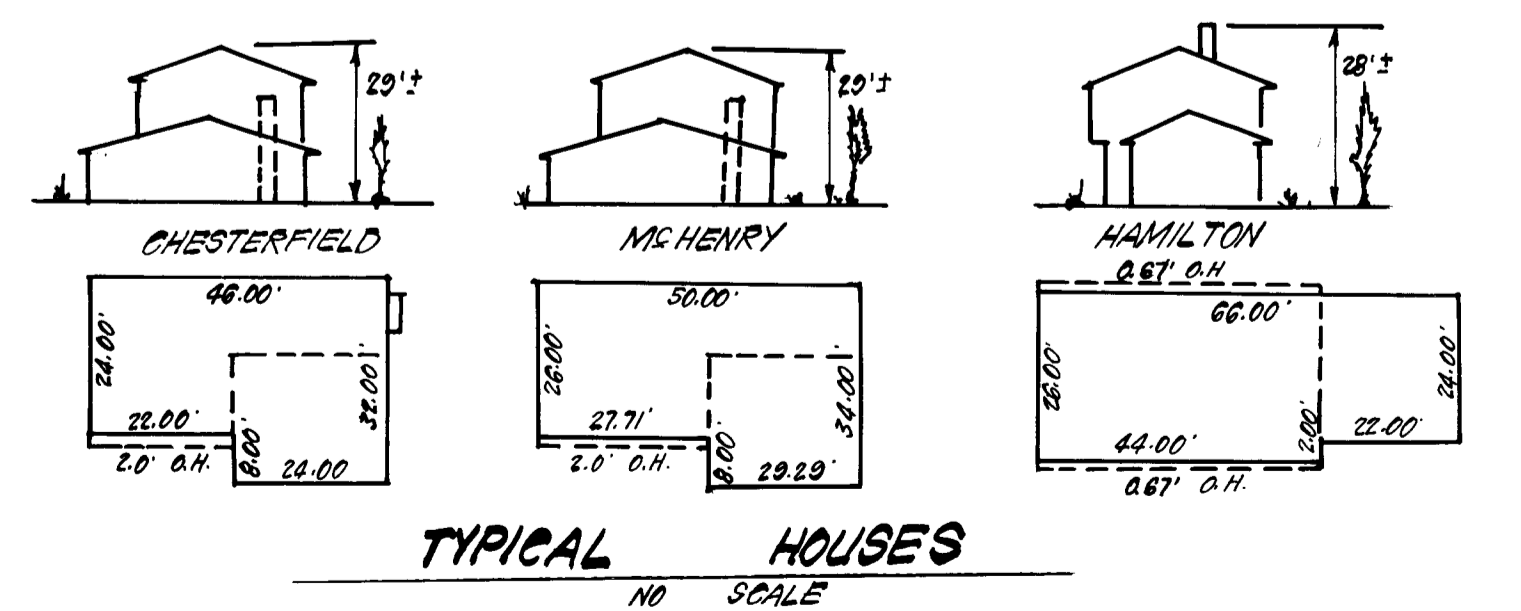
APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 2-17-84
[Signature]

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 2-19-84
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] 3-12-84
PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 3-7-84
DIRECTOR DATE

[Signature] 3-7-84
CHIEF BUREAU OF ENGINEERING DATE



SUBDIVISION NAME	SECT./AREA	LOT/PARCEL
DORSEY HALL	1 / 5	408 - 416
PLAT # OR BLOCK #	ZONE	TAX / ZONING / ELEC. DIST. / ZONING TR.
4877	21 R-20	24 2ND 60.23.0
WATER CODE	SEWER CODE	
F08	5830000	

Plat Reference: Plat 4877

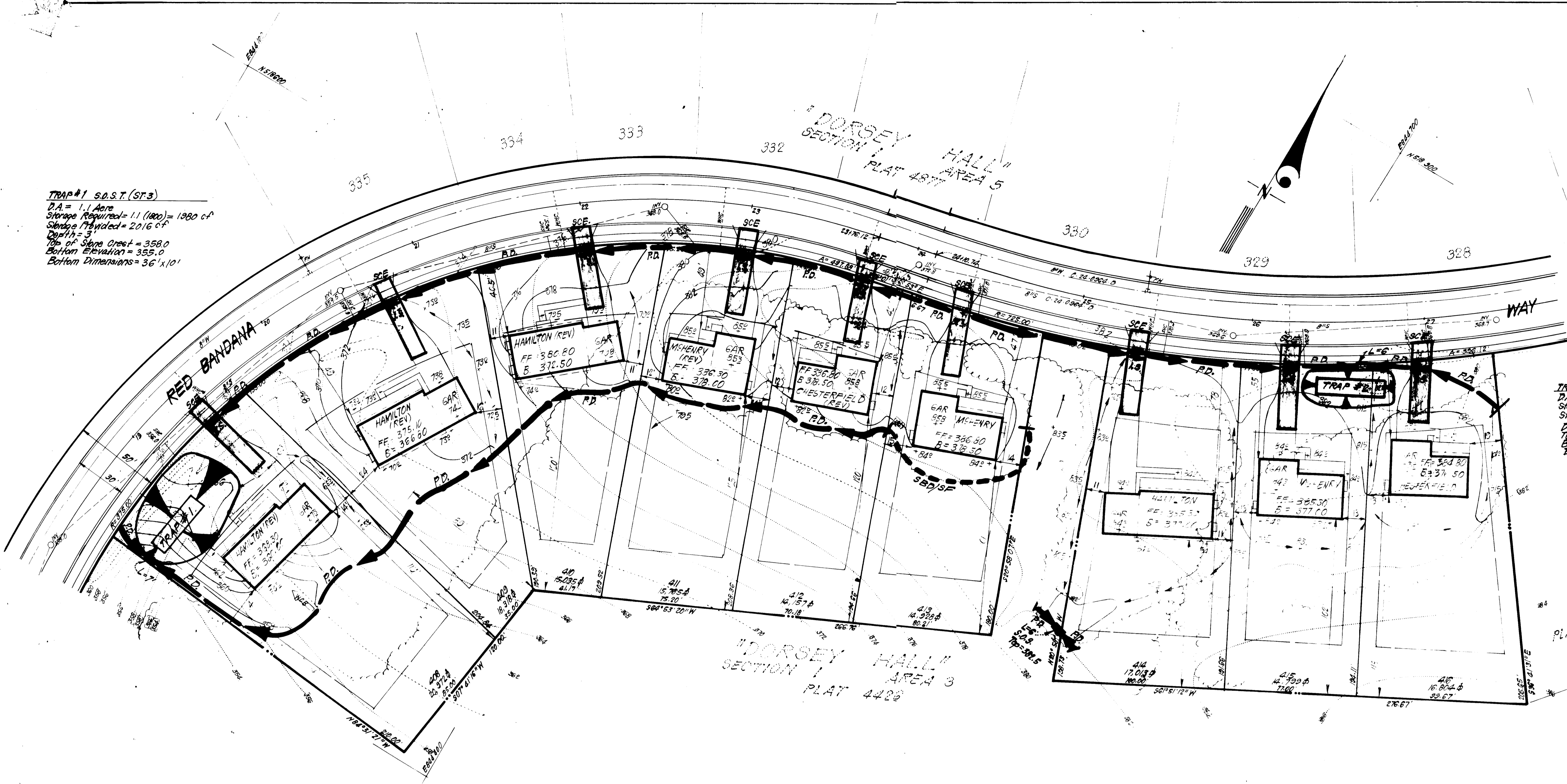
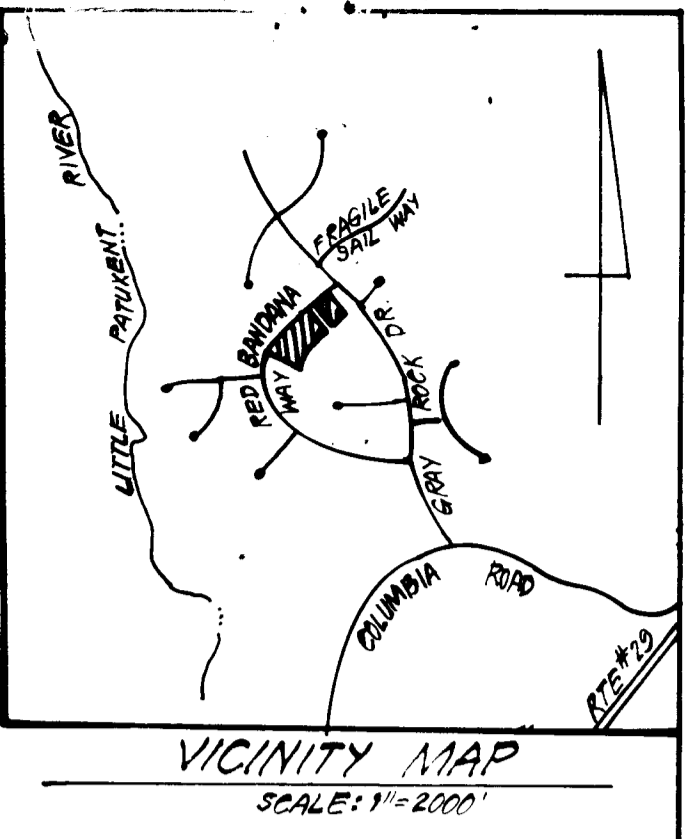
CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
1315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED	JME	SITE DEVELOPMENT PLAN	SCALE
DRAWN	JME	LOTS 408 THRU 416	1"=30'
KIW		DORSEY HALL	DRAWING
CHECKED		SECTION 1 AREA 5	10/3
JME		2ND ELECTION DISTRICT	JOB NO.
		HOWARD COUNTY, MARYLAND	83-119
DATE	1-19-84	The Ryland Group (Col. Div.) One Knoll North #503 Columbia, Md 21045	FILE NO.
			83-119-X

SDP 84-166

TRAP #1 S.O.S.T. (ST.3)
 D.A. = 1.1 Acres
 Storage Required = 1.1 (1800) = 1980 CF
 Storage Provided = 2016 CF
 Depth = 3'
 Top of Stone Crest = 358.0
 Bottom Elevation = 355.0
 Bottom Dimensions = 36' x 10'

TRAP #2 S.O.S.T. (ST.3)
 D.A. = 1.0 Acres
 Storage Required = (1.0)(1800) = 1800 CF
 Storage Provided = 1800 CF
 Depth = 3'
 Top of Stone Crest = 381.5
 Bottom Elevation = 378.5
 Bottom Dimensions = 34' x 9'



APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 2-17-84

- LEGEND:**
- 1. Contour Interval 2'
 - 2. Existing Contour 378
 - 3. Proposed Contour 376
 - 4. Spot Elevation 376
 - 5. Direction of Drainage
 - 6. Existing Trees to be Retained
 - 7. Walk Out Basement
 - 8. Storm Water Ditch/Silt Fence
 - 9. Perimeter Ditch
 - 10. Interceptor Swale
 - 11. Stone Construction Entrance

SUBDIVISION NAME DORSEY HALL		SECT./AREA 1 / 5	LOT/PARCEL 408 - 416
PLAT # OR L.P. BLOCK #	ZONE	TAX / ZONING DIST.	REMARKS
4877	R.20	2A	2ND G023.1
WATER CODE F.08		SEWER CODE 5830000	

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 2/14/84

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: [Signature] DATE: 3-12-84
 CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMIN: [Signature] DATE: 2-12-84

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 3-7-84
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 3-7-84

APPROVED:
 J. Helm 3-6-84

APPROVED:
 Robert W. Rehm 3-6-84

BUILDER'S CERTIFICATE
 I hereby certify that all construction and construction will be done in accordance with the approved plans and specifications and that I will be responsible for the construction of the project and the maintenance of the site until the project is completed and the site is ready for occupancy.

ENGINEER'S CERTIFICATE
 I hereby certify that the plans and specifications for the project have been prepared in accordance with the laws and regulations of the State of Maryland and that I am a duly licensed Professional Engineer in the State of Maryland.

Maurice M. Simpkins 1-19-84
 MAURICE M. SIMPKINS

APPROVED:
 G. Nelson 1-19-84
 G. NELSON

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

DESIGNED: R.P. VIME
DRAWN: K.W.
CHECKED: R.P. VIME
DATE: 1-19-84

SEDIMENT & EROSION CONTROL PLAN
 LOTS 408 THRU 416
DORSEY HALL
 SECTION 1 AREA 5
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

The Ryland Group (Col. Div.)
 One Knoll North #503
 Columbia, Md 21045

SCALE: 1"=30'
 DRAWING: 2 OF 3
 JOB NO: 83-119
 FILE NO: 83-119 SE

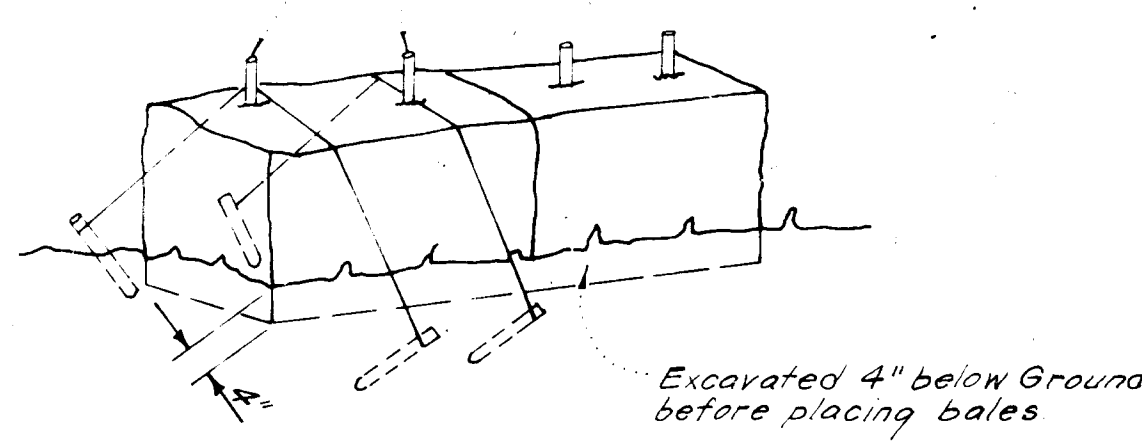
SDP-84-166

GENERAL NOTES

- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
- All Sediment and Erosion Control Measures will be installed starting 2 weeks prior 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 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 ss/1000 sf. Mixture - 40% Kentucky Blue, 20% Chewing Fescue, 20% Kentucky 31 and 20% annual ryegrass.
 - 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.
- 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.
- Total Amount of Straw Bales or Silt Fence shown = 120 L.F.
- SITE ANALYSIS:

A. Total Area:	<u>3.999</u>	Acres
B. Area to be Roofed:	<u>0.318</u>	Acres
C. Area to be Paved:	<u>0.215</u>	Acres
D. Area to be Seeded:	<u>1.478</u>	Acres
E. Area Undisturbed:	<u>1.382</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.

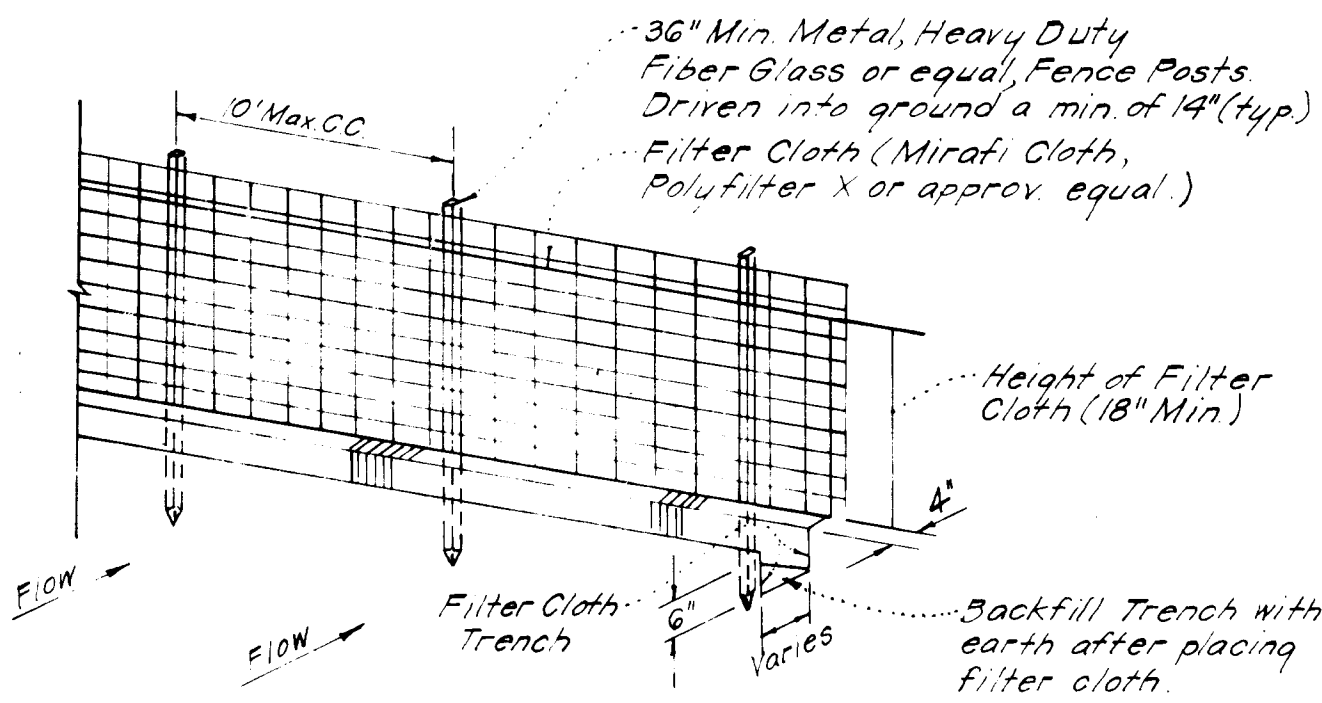
Bales shall be tied with 20# weathered materials, i.e. wire or nylon. The rears or wooden stakes driven through each hole 1/2" into ground. Rebars to be driven flush with top of bales.



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.)

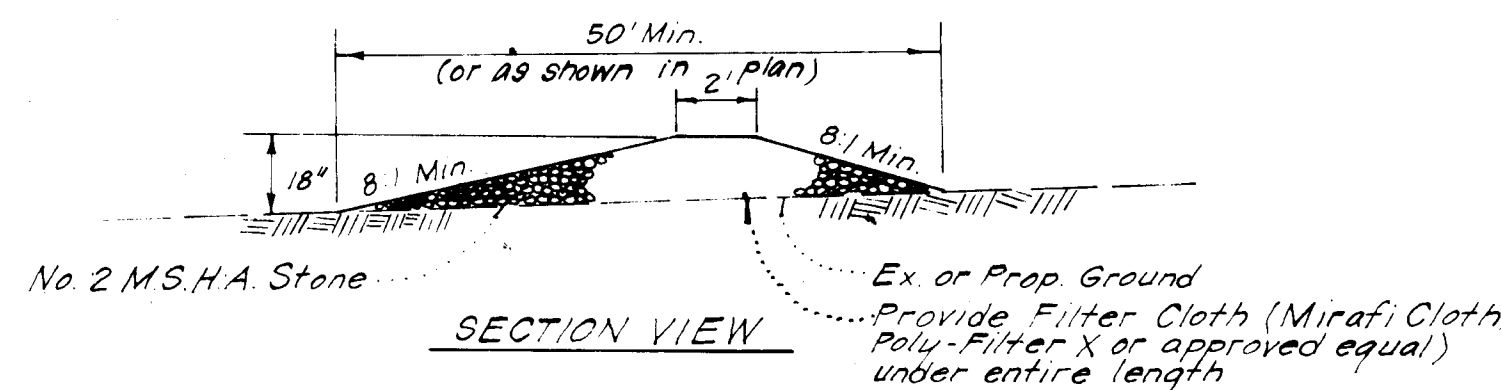
STRAW BALE DIKE DETAIL (S.B.D.)
No SCALE

Woven wire fence - Min 14 gage; 6" Max spacing

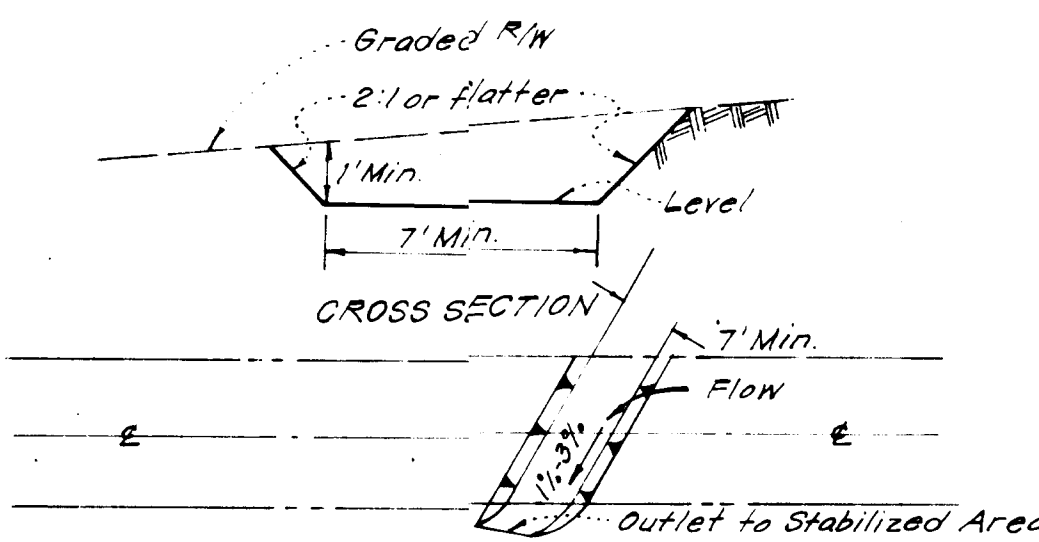


Notes: 1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties. 2. Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24"x24".

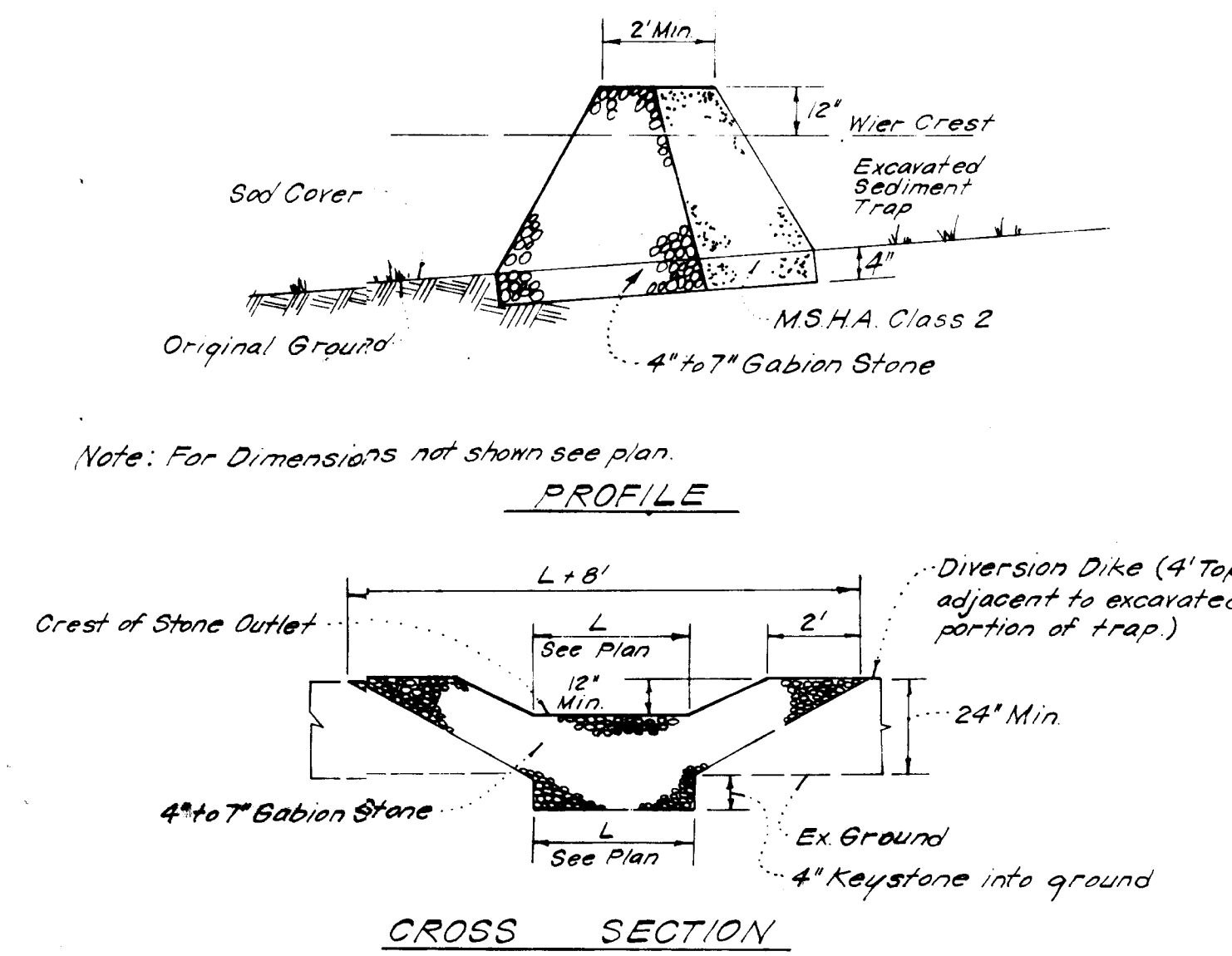
SILT FENCE DETAIL (S.F.)
No SCALE



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

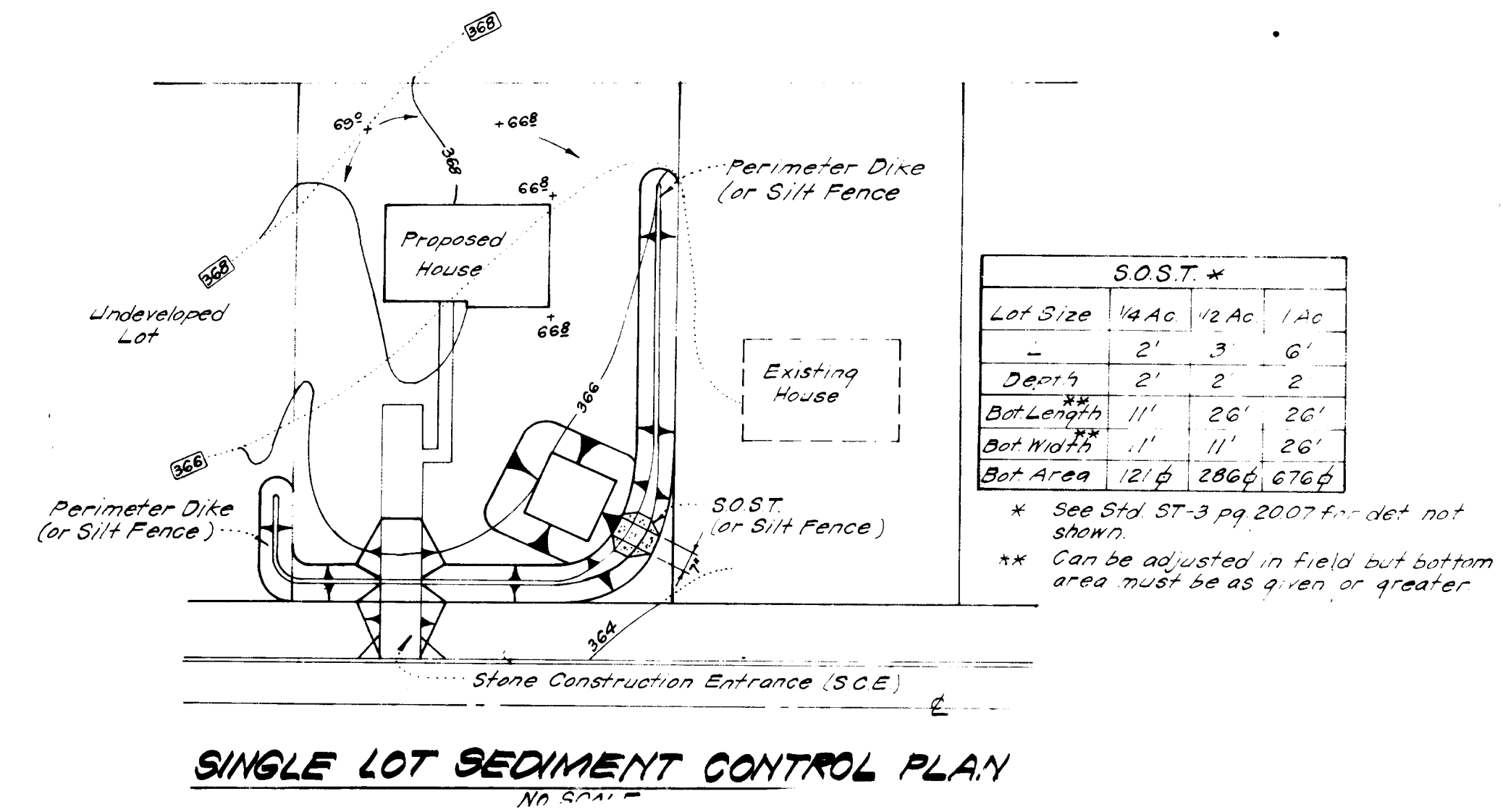


INTERCEPTOR SWALE (I.S.)
No SCALE



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



SINGLE LOT SEDIMENT CONTROL PLAN
No SCALE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 2/1/89

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: [Signature] DATE: 2-12-89
 CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION: [Signature] DATE: 2-12-89

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 3-7-89
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 2-27-89

APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION HOWARD COUNTY, MARYLAND
 DATE: 2-17-89

REVISIONS: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 J. Helm [Signature]

ENGINEER'S CERTIFICATE
 I hereby 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 personnel involved in the construction of the site are properly trained and supervised by the Control of Sediment and Erosion Department of the State of Maryland. I also authorize periodic on-site inspection by the Bureau of Inspections and Permits or their authorized agents if deemed necessary.
 Signature of Developer/Builder: [Signature] DATE: 1-19-89
 MAURICE M. BIMPKINS

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE, BELTSVILLE, MARYLAND 21054

DESIGNED: [Signature] DATE: 1-19-89
 DRAWN: [Signature]
 CHECKED: [Signature]
 DATE: 1-19-89

SEDIMENT & EROSION CONTROL PLAN
 LOTS 408 THRU 416
 DORSEY HALL
 SECTION 1 AREA 5
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: The Ryland Group (CN, INC)
 One North of 503
 Columbia, Md. 21045

SCALE: None
 DRAWING: 3 of 3
 JOB NO.: 83-119
 FILE NO.: 83-119 SE

SDP-84-166