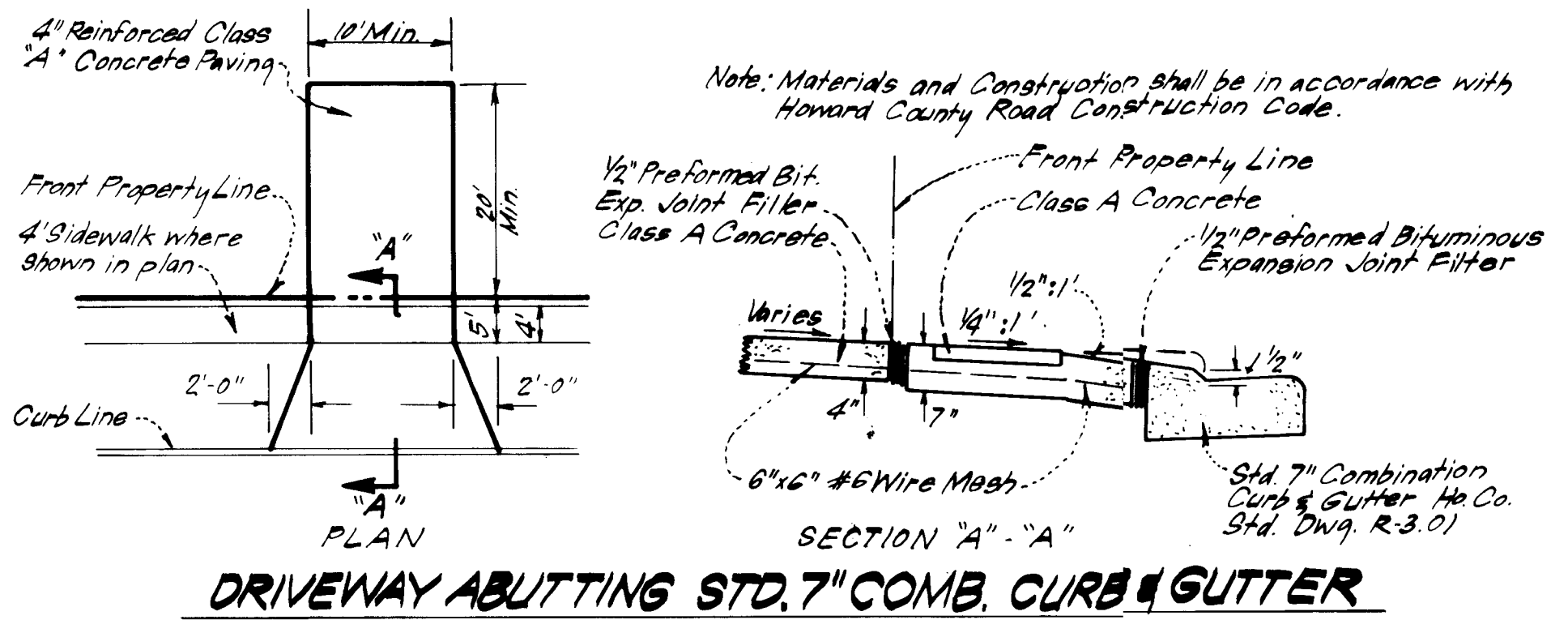
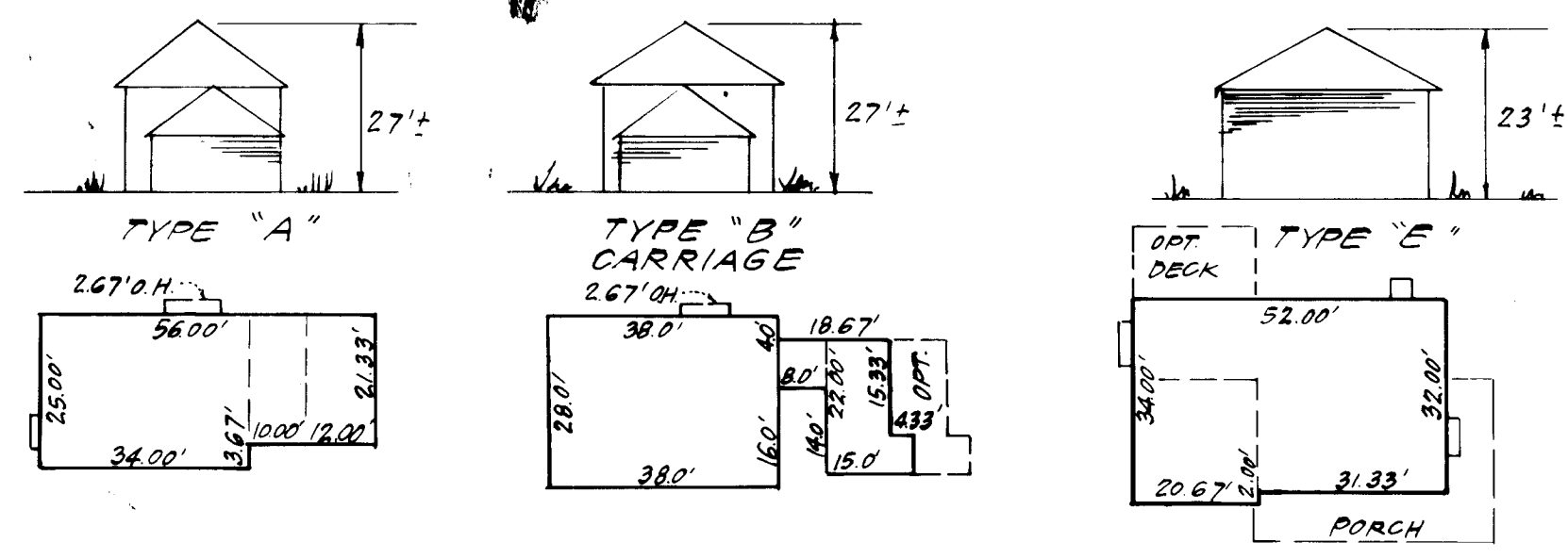
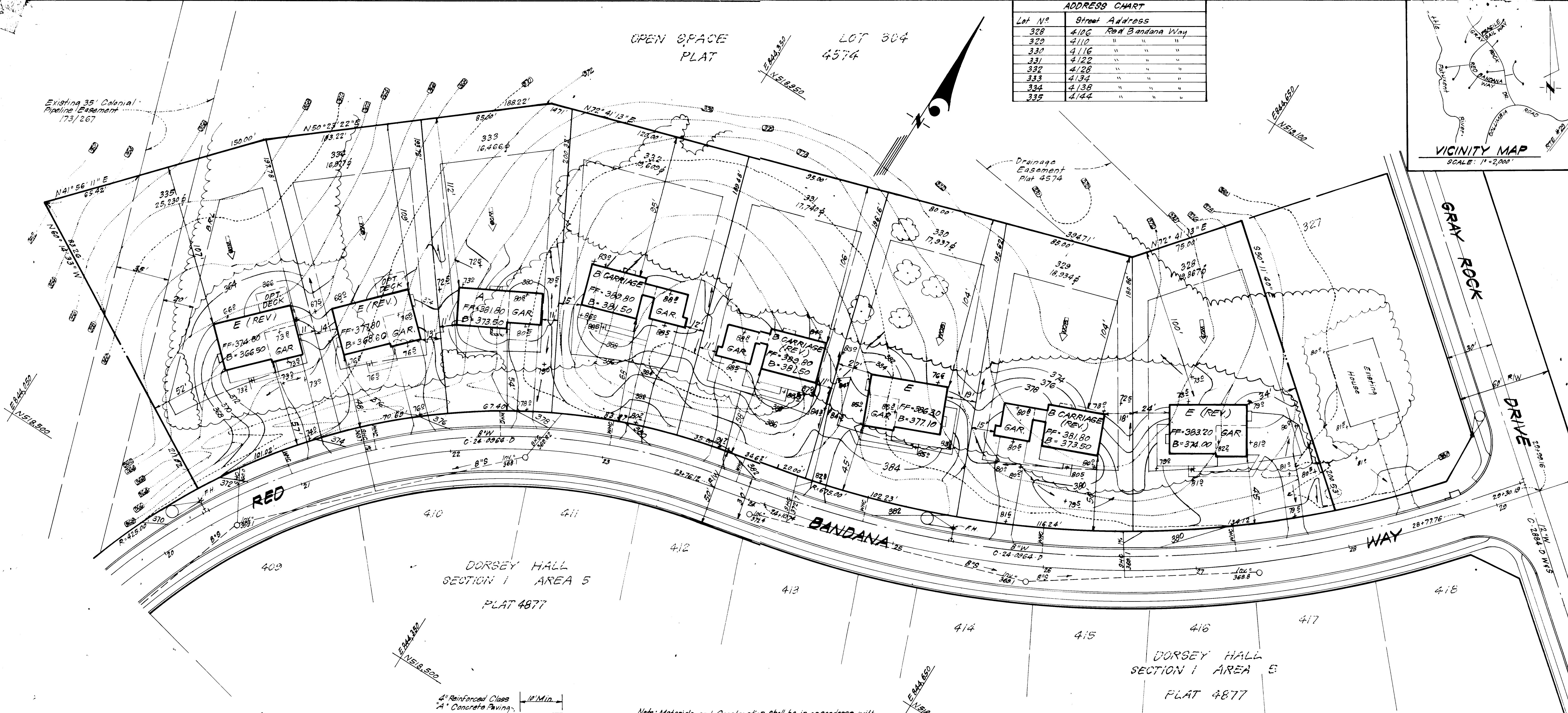
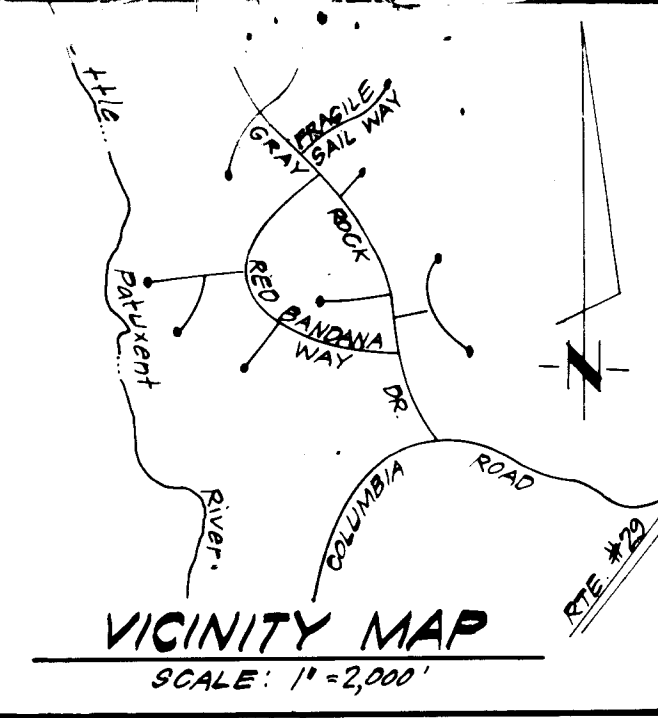


Lot No.	Street Address
328	4106 Red Bandana Way
329	4112 " " " "
330	4116 " " " "
331	4122 " " " "
332	4128 " " " "
333	4134 " " " "
334	4138 " " " "
335	4144 " " " "



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-34-0864-D.

- LEGEND:**
- Contour Interval 2 Ft
  - Existing Contour
  - Proposed Contour
  - Spot Elevation +62.3
  - 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 Central Surveys Point "Columbia Reset 1966" N.512.095.04, E.846.139.78.
  - Tax Map No. 24.
  - All Roadways are Public & Existing.
  - Total Area: 3.5045 Acres.
  - Any damage to County owned rights of way shall be corrected at the Developer's Expense.

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL
DORSEY HALL	1/5	328-335
PLAT 4877	BLOCK 21	ZONE R-20
TAX ZONE	ELEC. DIST.	CENSUS TR.
24	24	6023.01
WATER CODE	SEWER CODE	
F08	5830000	

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 3-30-84  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: *[Signature]* DATE: 4-2-84  
 CHIEF DIVISION OF LAND DEV. & ZONING ADMIN: *[Signature]* DATE: 4-2-84  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *[Signature]* DATE: 3-29-84  
 CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 3-29-84

APPROVED  
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE: 3-12-84  
*[Signature]*

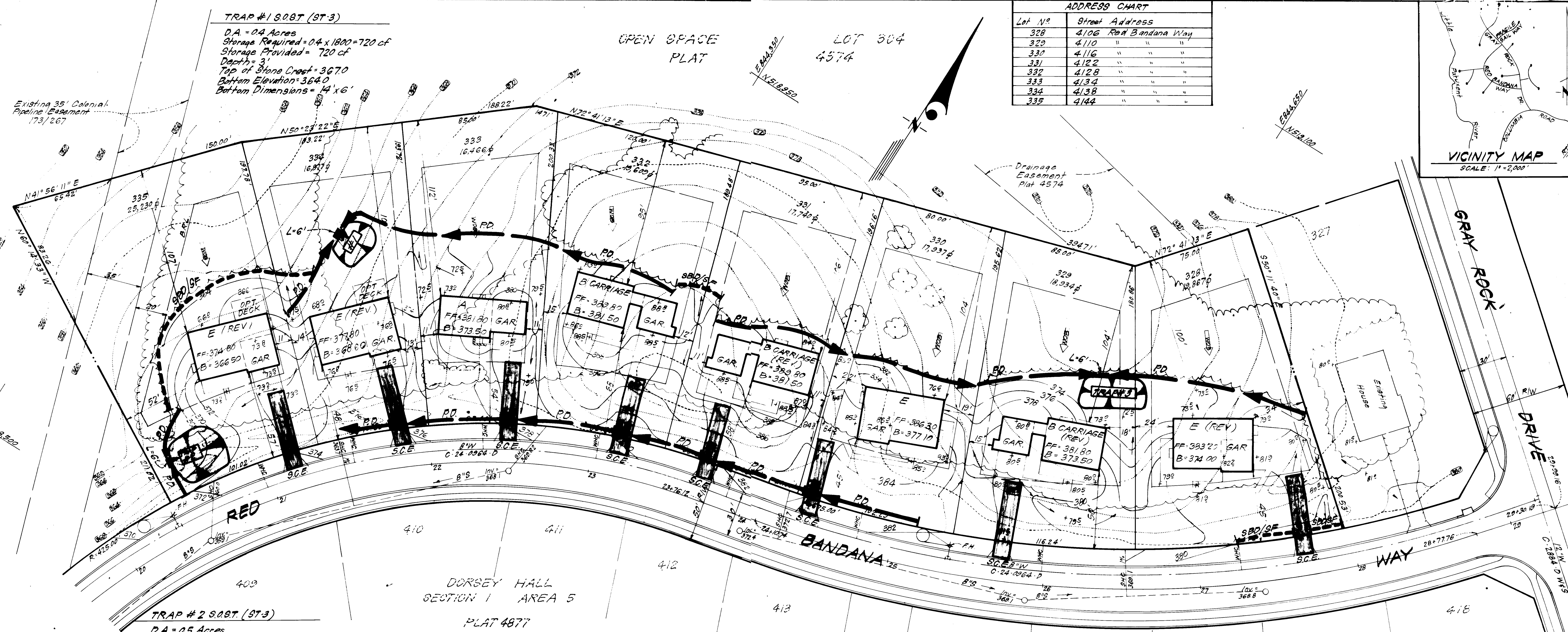
**CLARK · FINEFROCK & SACKETT**  
 ENGINEERS · PLANNERS · SURVEYORS  
 11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED	J.M.E.	SITE DEVELOPMENT PLAN	SCALE
DRAWN	J.M.E.	LOTS 328 THRU 335	1"=30'
CHECKED	V.L.B.	<b>DORSEY HALL</b>	DRAWING
DATE	J.M.E.	SECTION 1 AREA 5	1 OF 3
		2ND ELECTION DISTRICT	JOB NO.
		HOWARD COUNTY, MARYLAND	83-035
		FOR: Lundy & Clark Builders, Inc.	FILE NO.
		P.O. Box 1018	83-235-X
		Columbia, Md., 21044	
		Feb, 1984	



Lot No.	Street Address
328	4106 Red Bandana Way
329	4110 " " " "
330	4116 " " " "
331	4122 " " " "
332	4128 " " " "
333	4134 " " " "
334	4138 " " " "
335	4144 " " " "

VICINITY MAP  
SCALE: 1" = 200'



**TRAP #1 S.O.B.T. (ST-3)**  
 D.A. = 0.4 Acres  
 Storage Required = 0.4 x 1800 = 720 cf  
 Storage Provided = 720 cf  
 Depth = 3'  
 Top of Stone Crest = 367.0  
 Bottom Elevation = 364.0  
 Bottom Dimensions = 14' x 6'

**TRAP #2 S.O.B.T. (ST-3)**  
 D.A. = 0.5 Acres  
 Storage Required = 0.5 x 1800 = 900 cf  
 Storage Provided = 900 cf  
 Depth = 3'  
 Top of Stone Crest = 366.0  
 Bottom Elevation = 363.0  
 Bottom Dimensions = 14' x 9'

**TRAP #3 S.O.B.T. (ST-3)**  
 D.A. = 0.7 Acres  
 Storage Required = 0.7 x 1800 = 1260 cf  
 Storage Provided = 1260 cf  
 Depth = 3'  
 Top of Stone Crest = 372.5  
 Bottom Elevation = 369.5  
 Bottom Dimensions = 20' x 6'

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-34-0264-D.

- LEGEND:**
- 1. Contour Interval 2 Ft
  - 2. Existing Contour
  - 3. Proposed Contour
  - 4. Spot Elevation +6.5
  - 5. Direction of Drainage
  - 6. Existing Trees to be Retained
  - 7. Walk Out Basement
  - 8. Straw Bale Dike/Silt Fence
  - 9. Perimeter Dike
  - 10. Interceptor Swale
  - 11. Stone Construction Entrance

SUBDIVISION NAME	SECT/AREA	LOT/PARCEL
DORSEY HALL	1/5	328-335
PLAT	BLOCK	ZONE
4877	21	R 20
TAX ZONE	ELEC DIST	CENSUS TR
24	2ND	6023 01
WATER CODE	SEWER CODE	
F08	583000	

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *[Signature]* 3-20-84  
 DATE  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: *[Signature]* 4-2-84  
 DATE  
 CHIEF OF DIVISION OF LAND DEV. & ZONING ADMIN. *[Signature]* 4-2-84  
 DATE  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *[Signature]* 3-29-84  
 DATE  
 CHIEF BUREAU OF ENGINEERING *[Signature]* 3-28-84  
 DATE

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 3-12-84  
*[Signature]*

Reviewed for *Howard* S.C.D.  
 and meets Technical Requirements  
*[Signature]* 3-23-84  
 Signature Date  
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED  
 FOR SOIL EROSION AND SEDIMENT  
 CONTROL BY THE HOWARD SOIL  
 CONSERVATION DISTRICT.  
*[Signature]* 3-27-84  
 Approved Date

DEVELOPER'S/BUILDER'S CERTIFICATE  
 "I/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 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 on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."  
*[Signature]* 2-8-84  
 Signature Date  
 Harry L. Lundy

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]* 2-9-84  
 G. Nelson Clark Date

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

DESIGNED	R.P.	SCALE	1" = 30'
DRAWN	V.L.B.	DRAWING	2 OF 3
CHECKED	R.P.	JOB NO.	83-035
DATE	Feb, 1984	FILE NO.	83-035-S

SEDIMENT & EROSION CONTROL PLAN  
 LOTS 328 THRU 335  
**DORSEY HALL**  
 SECTION 1 AREA 5  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 PAR: Lundy & Clark Builders, Inc.  
 P.O. Box 1018  
 Columbia, Md., 21044



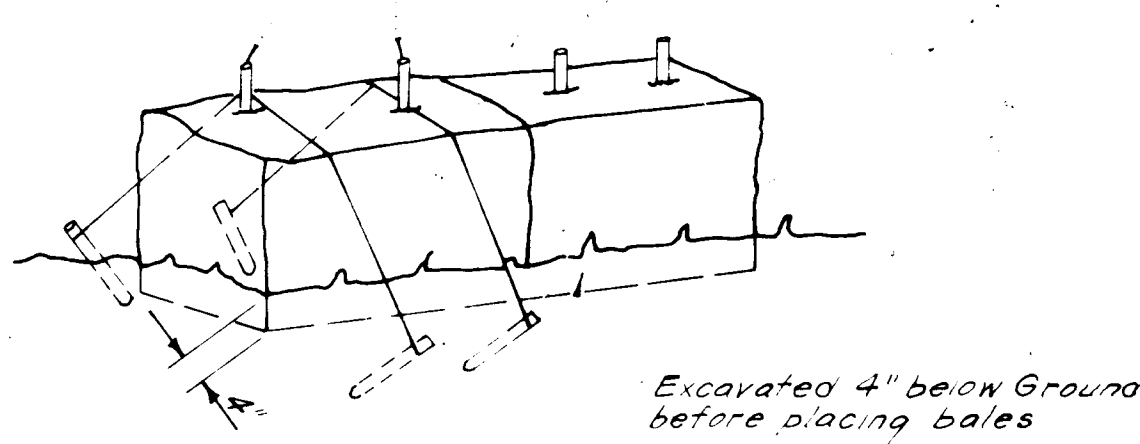
**GENERAL NOTES**

- 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 ryegrass 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 3lbs/1000 sf. Mixture - 40% Kentucky Blue, 20% Chewina 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 broom 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 = **260** L.F.
- SITE ANALYSIS:
 

A. Total Area:	3.505 Acres
B. Area to be Roofed:	0.370 Acres
C. Area to be Paved:	0.199 Acres
D. Area to be Seeded:	1.386 Acres
E. Area Undisturbed:	1.550 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 non-weathering materials, i.e. wire or nylon

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



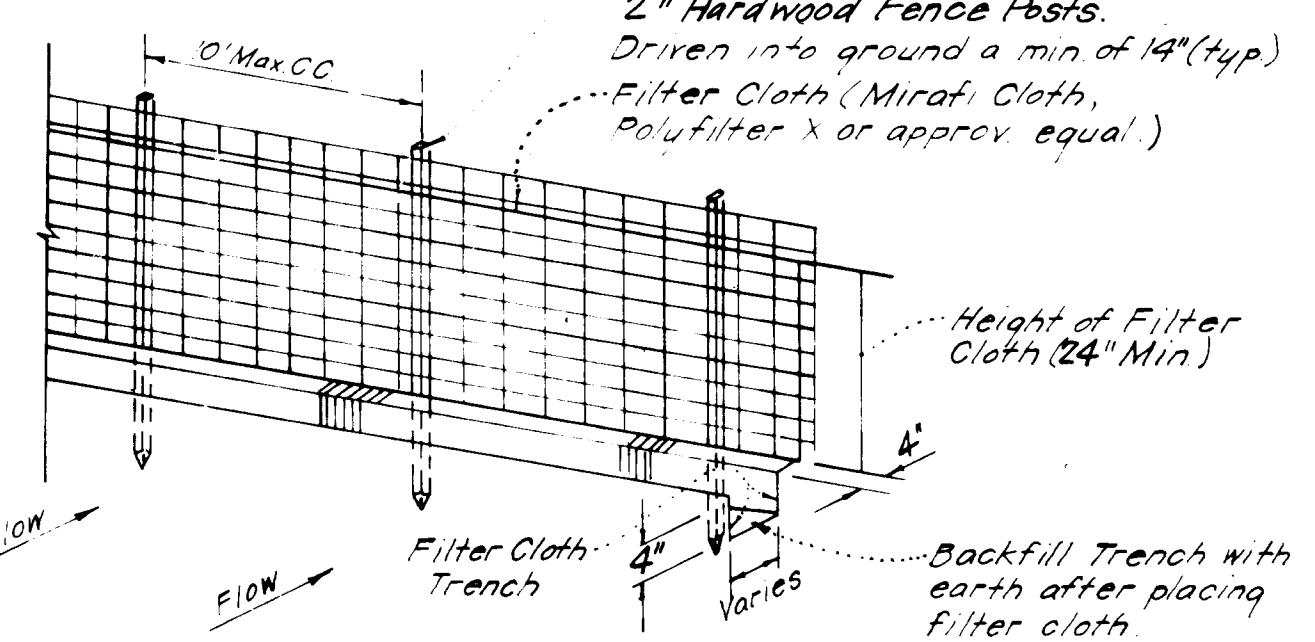
Note: In lieu of the use of rebar, each straw bale may be fastened to ground with rebar (4 per bale and wire or nylon as shown above)

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

Woven wire fence - Min. 14 1/2 gage  
6" Max. Mesh Spacing

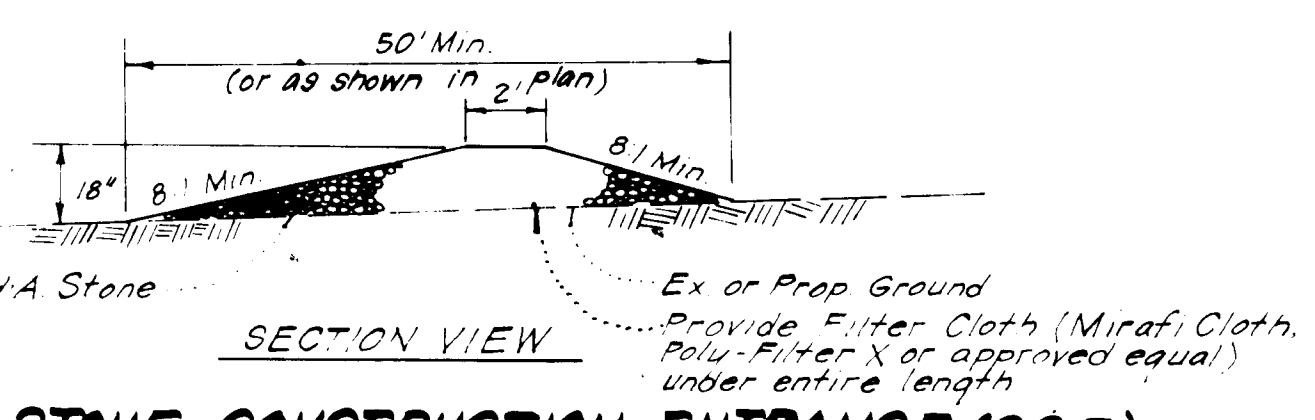
48" Min. Steel T or U type or 2" Hardwood Fence Posts  
Driven into ground a min of 14" (typ.)

Filter Cloth (Miraf, Cloth, Poly-Filter X or approved equal)

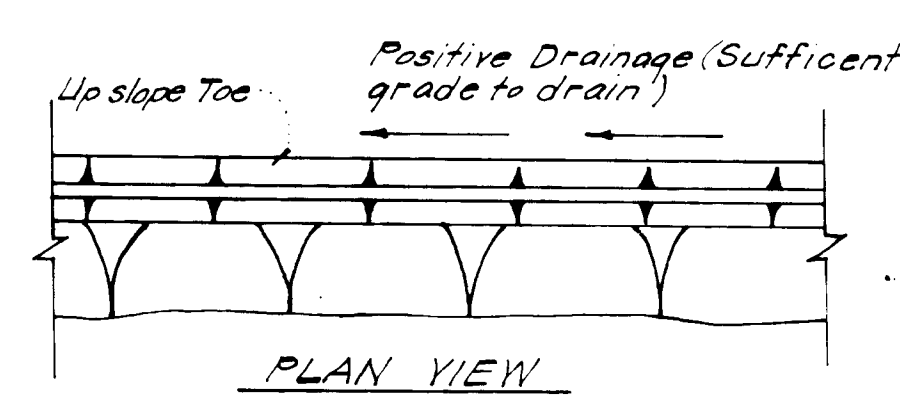
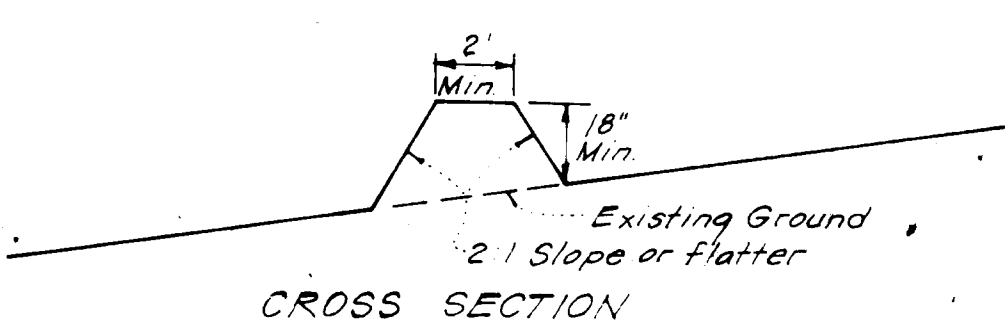


Notes:  
1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties, or staples.  
2. Filter Cloth to be fastened securely to Woven Wire Fence with wire ties spaced every 24" at top and mid-section.

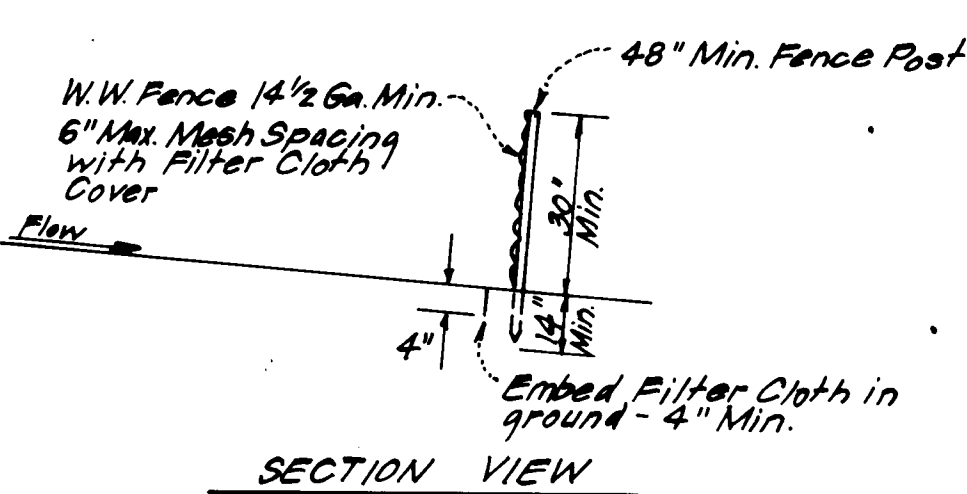
**SILT FENCE DETAIL (S.F.)**  
No SCALE



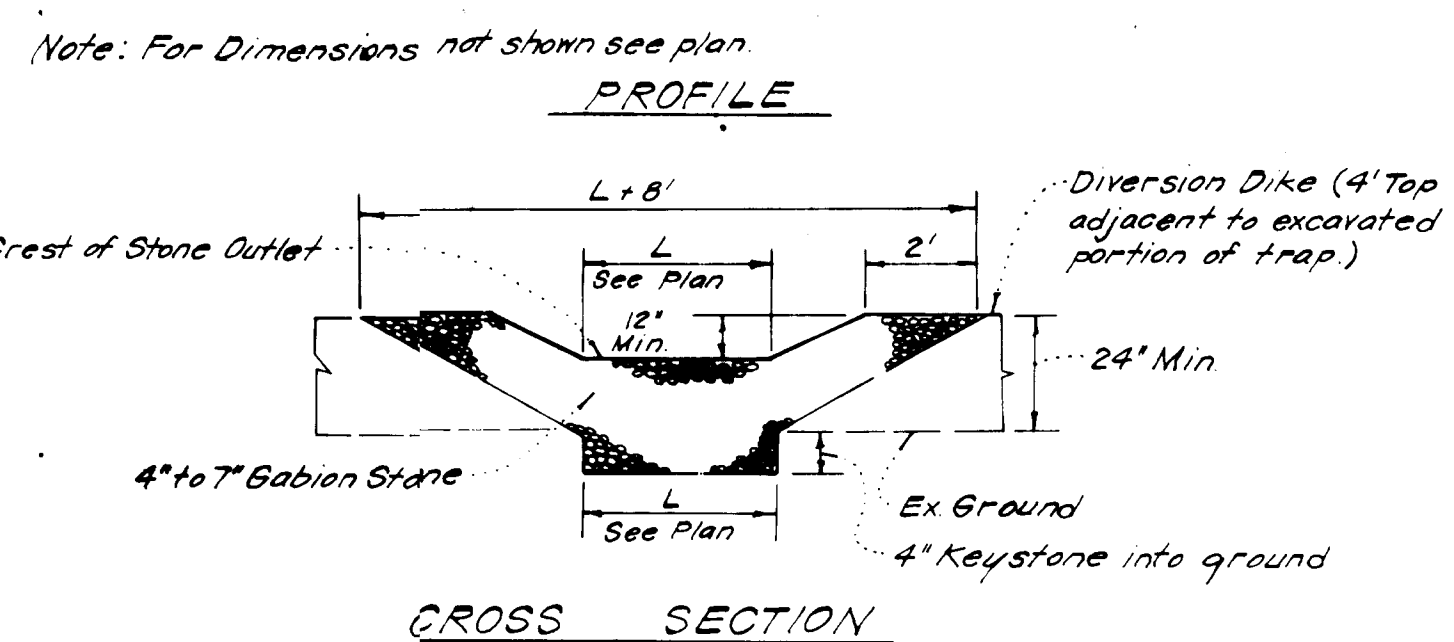
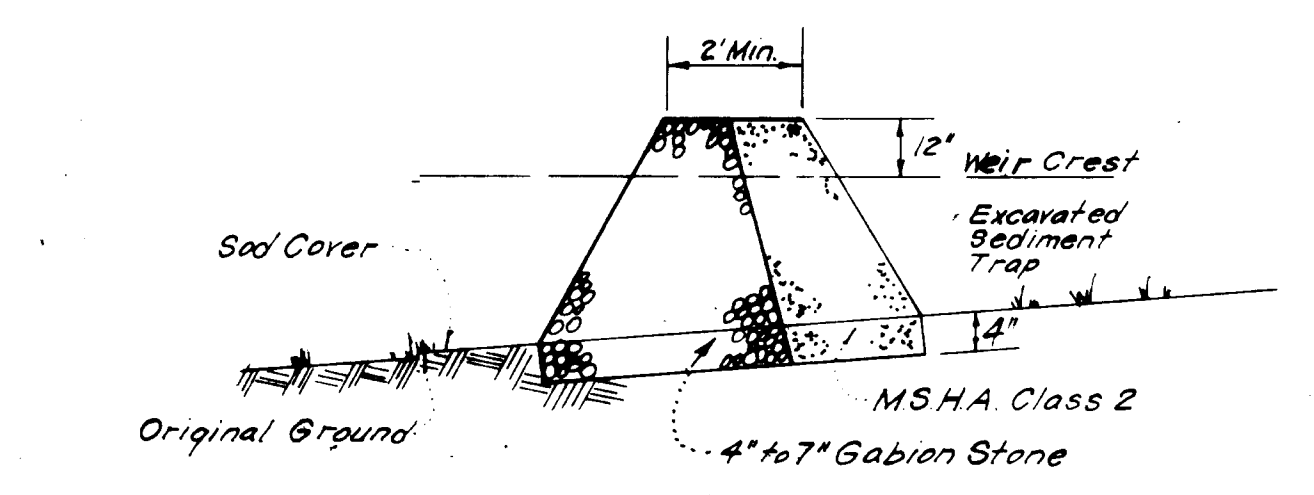
**STONE CONSTRUCTION ENTRANCE (S.C.E.)**  
No SCALE



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

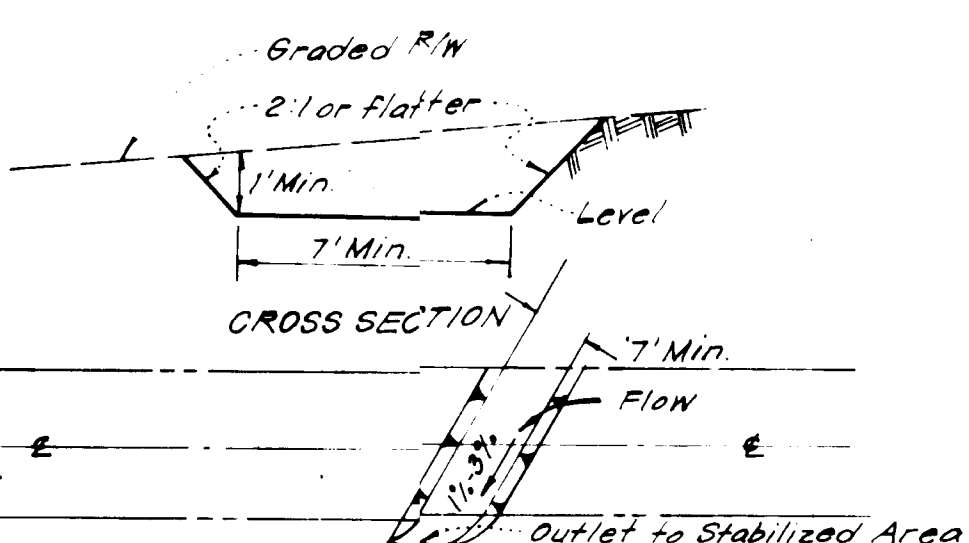


**SILT FENCE DETAIL (S.F.)**  
No Scale

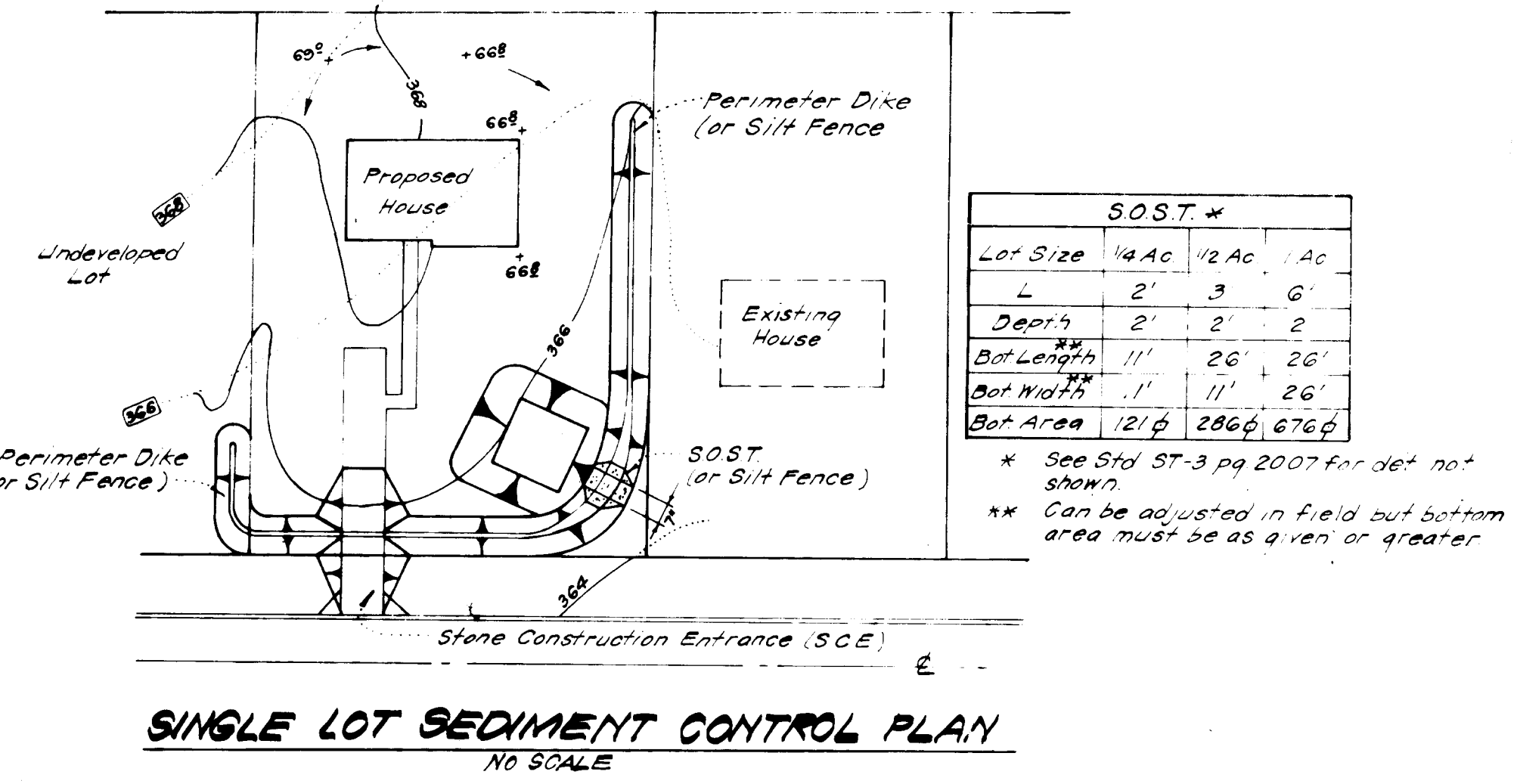


Notes:  
1. Sediment Trap to be cleaned out when sediment reaches a level of 1ft below crest of stone outlet.  
2. Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.  
3. Stone Outlet to be constructed through diversion dike adjacent to excavated trap.

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



**INTERCEPTOR SWALE (I.S.)**  
No SCALE



**SINGLE LOT SEDIMENT CONTROL PLAN**  
No SCALE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE: 3-20-84

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE: 4-2-84

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE: 3-29-84

CHIEF BUREAU OF ENGINEERING  
DATE: 3-23-84

**APPROVED**  
**DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION**  
**HOWARD COUNTY, MARYLAND**  
DATE: 3-12-84

Reviewed for Howard County S.C.D. Name and meets Technical Requirements  
Signature: [Signature] Date: 3-27-84  
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
Signature: [Signature] Date: 3-27-84

**DEVELOPER'S/BUILDER'S CERTIFICATE**  
"I/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 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 on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."  
Signature: [Signature] Date: 2-8-84

**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: [Signature] Date: 2-9-84

**CLARK • FINEROCK & SACKETT**  
ENGINEERS • PLANNERS • SURVEYORS  
DESIGNED: R.P.  
DRAWN: V.L.B.  
CHECKED: R.P.  
DATE: Feb. 1984

**SEDIMENT & EROSION CONTROL PLAN**  
LOTS 328 THRU 335  
**DORSEY HALL**  
SECTION 1 AREA 5  
2ND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
FOR: Lundy & Clark Builders, Inc.  
22 W. 10th  
Columbia, Md. 21044

SCALE: As Shown  
DRAWING: 3 OF 3  
JOB NO: 83-035  
DATE: 83-035-06