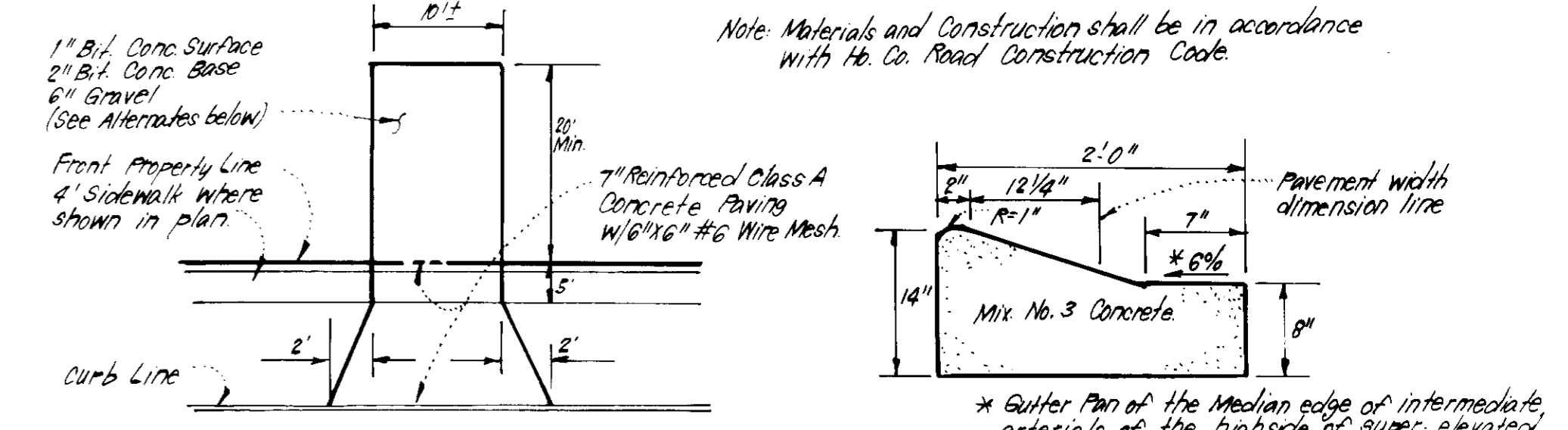
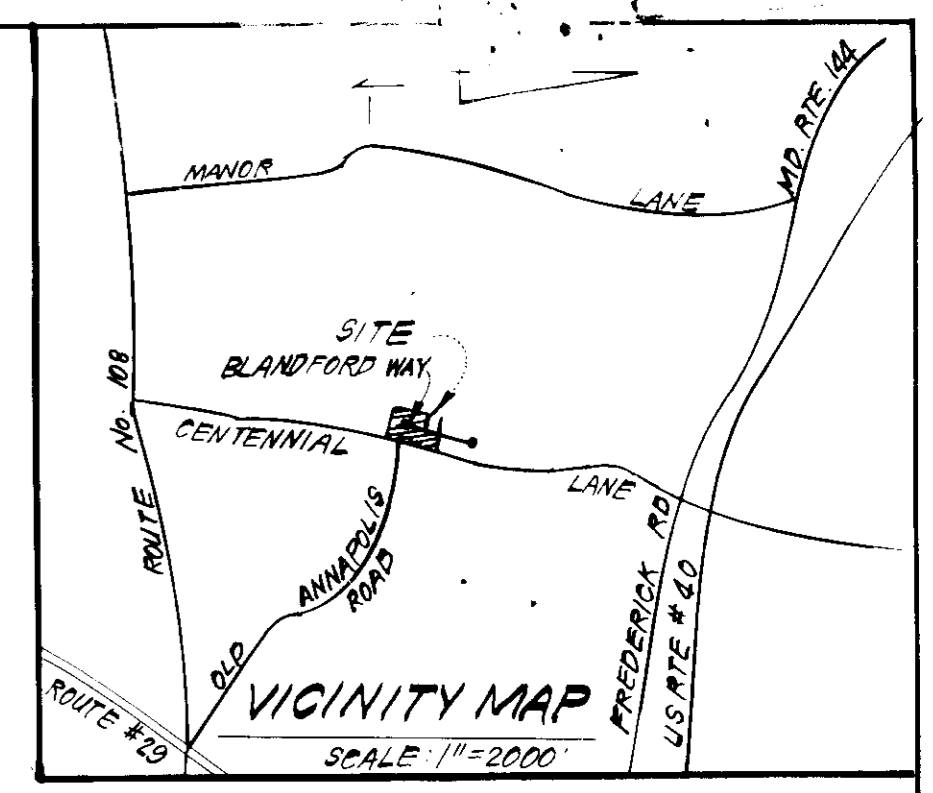


GERALD M. KATE WYE SIMMONS
9431 240



DRIVEWAY ABUTTING MODIFIED CURB & GUTTER
NO SCALE

ALTERNATE #1
1 1/2" Conc. Surface
4 1/2" Conc. Base
3 1/2" Gravel

ALTERNATE #2
1 1/2" Conc. Surface
3 1/2" Conc. Base
3" Gravel

GENERAL NOTES:

- The Land included in this plan is zoned: R-20.
- Coordinates shown are extensions made from Maryland State Plane Coordinate System. Bearings refer to true north and are based on Howard County Geodetic Survey Point Nos. 304.001 and 304.002.
- Total Area of Lots: 3.826 Acres.
- The area covered is located on Tax Map # 24.
- All roadways are public and existing.
- Any damage to county owned rights of way shall be corrected at the developer's expense.
- Total number of Lots: 10.

LEGEND:

- Contour Interval 2 FT.
- Existing Contour 400
- Proposed Contour 440
- Spot Elevation +405
- Direction of Drainage
- Existing Trees to be retained
- Walk Out Basement

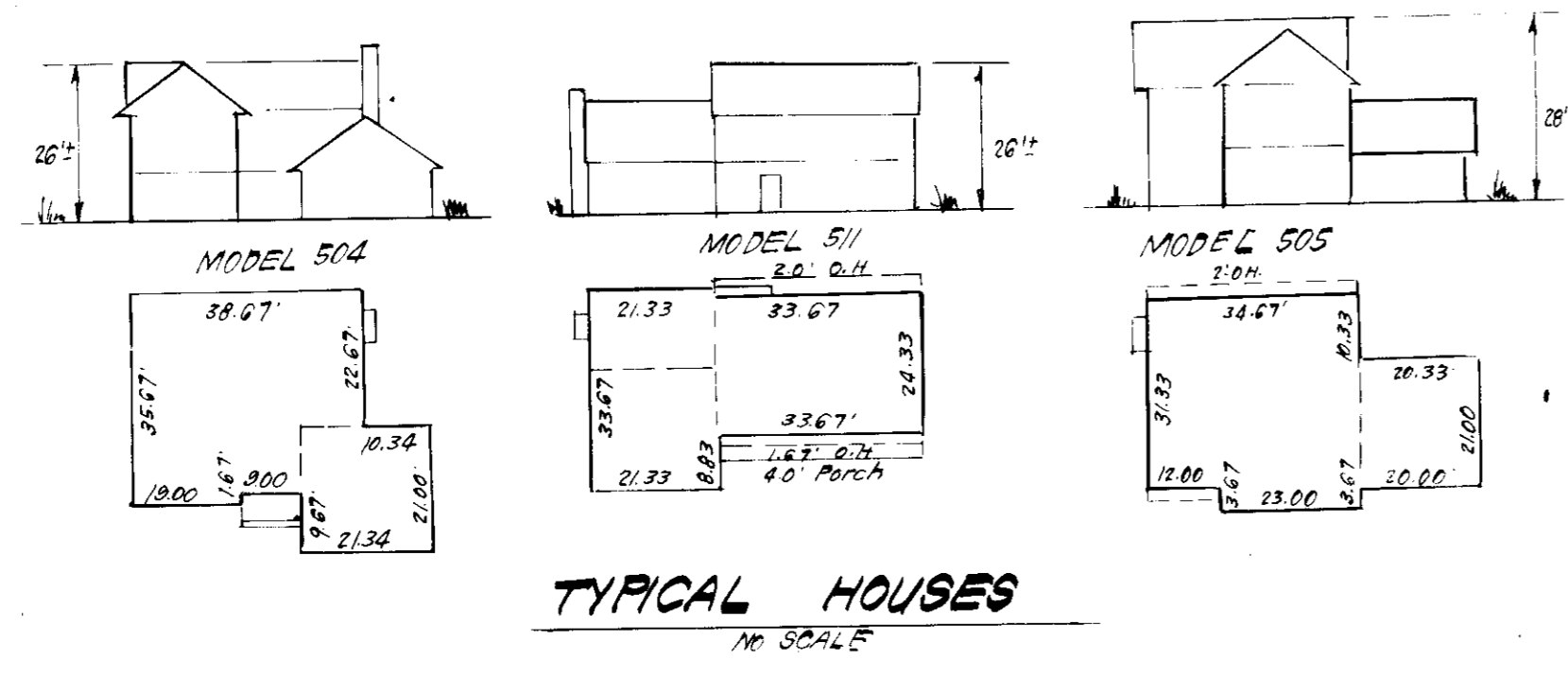
DIVISION OF LAND
ZONING ADMINISTRATION
HOWARD COUNTY, MD
DATE 4-18-83
M.S. #111

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
HEALTH OFFICER: *[Signature]* DATE: 5-10-83

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR: *[Signature]* DATE: 5-10-83
ZONING ADMIN: *[Signature]* DATE: 5-10-83

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE.
STORM DRAINAGE SYSTEMS AND PUBLIC WORKS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 5-6-83

DATE: 5-1-83
BUREAU OF ENGINEERING



NO	REVISION	DATE
1	Use Type 5 for revision of Lot 140 from 505 to 504	4-21-83
2	Revised lot lines on lots 148 & 149 to reflect re-subdivision of those lots into lot nos. 321 & 322 as per Hb. Co. comments.	10-11-83

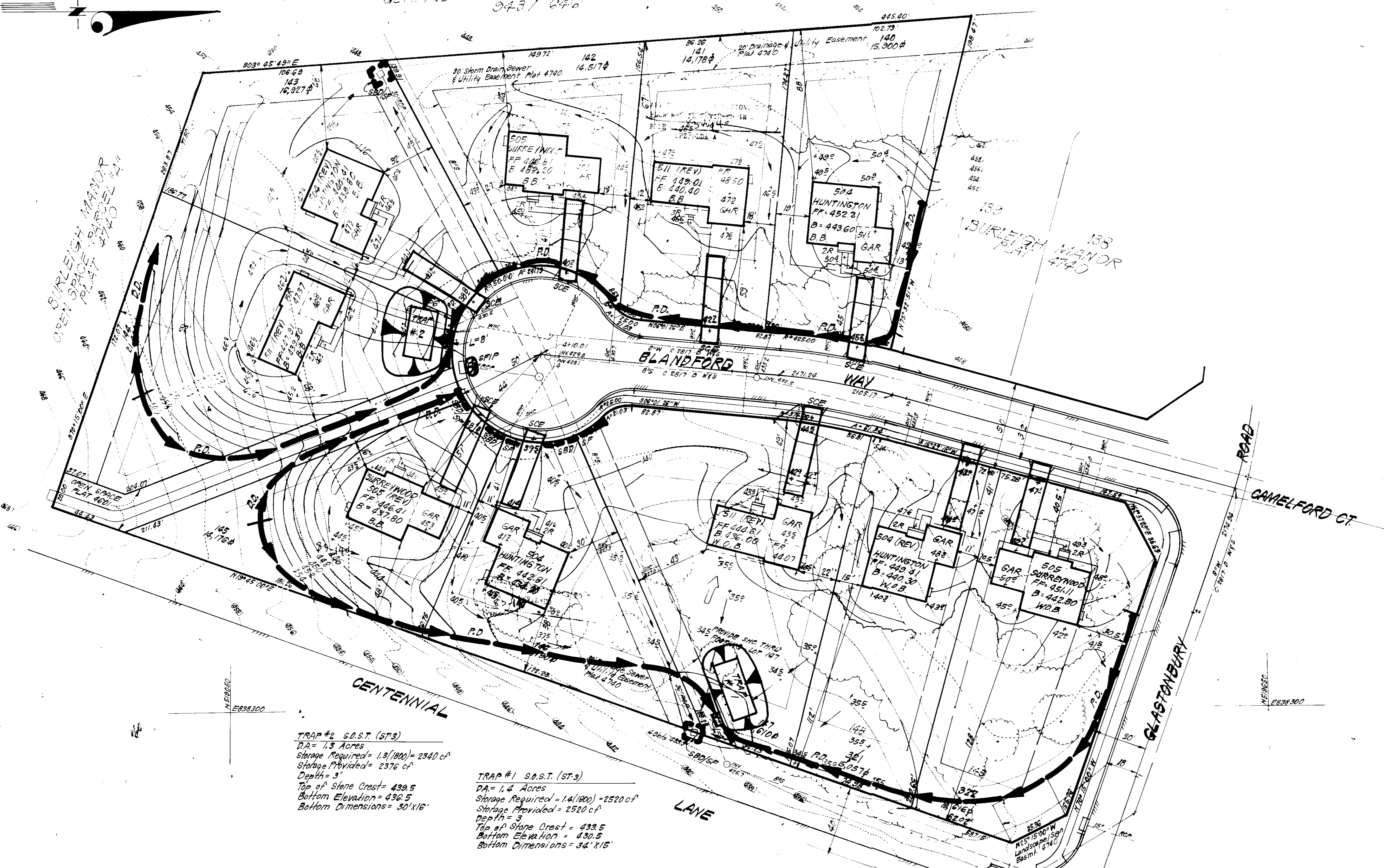
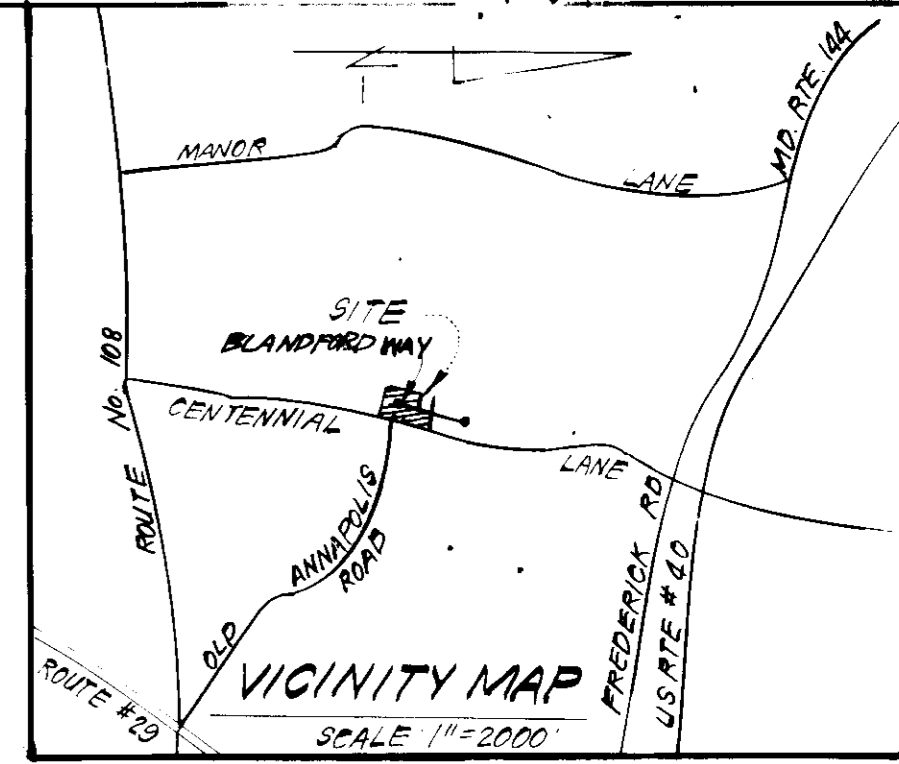
Handwritten signature: Donald S. Sackett

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

DESIGNED J.M.E.	SITE DEVELOPMENT PLAN LOTS 140 THRU 147, 321 and 322 BURLEIGH MANOR	SCALE 1"=30'
DRAWN K.I.W.		DRAWING 10F-9
CHECKED J.M.E.	SECTION 4 AREA 2 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 83-024
DATE 3-18-83	FOR: COSTAIN OF MARYLAND, INC. The Clark Building Suite 543 Columbia Md 21044	FILE NO. 83-024-X

SDP-83-140

GERALD M. KATZ & W.E. SIMMONS
9487 246



TRAP #2 S.O.S.T. (ST-3)
 DA = 1.3 Acres
 Storage Required = 1.3(1800) = 2340 c.f.
 Storage Provided = 2376 c.f.
 Depth = 3'
 Top of Stone Crest = 439.5
 Bottom Elevation = 436.5
 Bottom Dimensions = 50'x16'

TRAP #1 S.O.S.T. (ST-3)
 DA = 1.4 Acres
 Storage Required = 1.4(1800) = 2520 c.f.
 Storage Provided = 2520 c.f.
 Depth = 3'
 Top of Stone Crest = 438.5
 Bottom Elevation = 435.5
 Bottom Dimensions = 34'x15'

APPROVED
 DIVISION OF LAND OFFICE
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 4-18-83
 H.S. [Signature]

- LEGEND:**
- 1. Contour Interval $\frac{2}{100}$
 - 2. Existing Contour $\frac{1}{100}$
 - 3. Proposed Contour $\frac{1}{100}$
 - 4. Spot Elevation $\frac{1}{100}$
 - 5. Direction of Drainage
 - 6. Existing Trees to be retained
 - 7. Walk Out Basement
 - 8. Perimeter Dike
 - 9. Diversion Dike
 - 10. Straw Bale Dike or Silt Fence
 - 11. Stone Filter Inlet Protection
 - 12. Stone Construction Entrance
 - 13. Sediment Trap

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Reviewed for HOWARD SOIL CONSERVATION DISTRICT and meets Technical Requirements

Signature: [Signature]
 Date: 5/3/83

ENGINEER'S CERTIFICATE

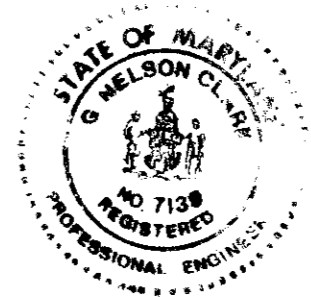
I hereby certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic or continuous inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

Signature: [Signature]
 Date: 3/18/83

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: 3-18-83



CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS

11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED	B.P.	SCALE	1"=30'
DRAWN	K.W.	DRAWING	2 OF 3
CHECKED	B.P.	JOB NO.	83024
DATE	3-18-83	FILE NO.	83024 SE

SEDIMENT & EROSION CONTROL PLAN
 LOTS 140 THRU 147, 321 and 322
BURLLEIGH MANOR
 SECTION 4 AREA 2
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: COSTAIN OF MARYLAND, INC.
 The Clark Building Suite 543
 Columbia, Md. 21044

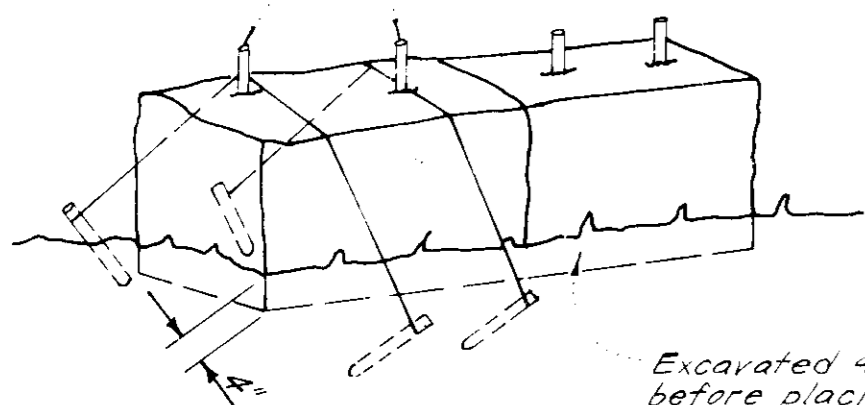
GENERAL NOTES

- 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 type 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 3.5 lbs/1000 sf Mixture - 40% Kentucky Blue, 20% chewing Fescue, 20% Kentucky 31 and 20% annual type
 - Fertilizer - 10-10-10 applied at a rate of 23 lbs/1000 sf Ground Agricultural Lime or Dolomitic Lime applied at a rate of 90 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 Seed 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 = 100 L.F.
- SITE ANALYSIS:

A. Total Area:	3.820 Acres
B. Area to be Roofed:	0.965 Acres
C. Area to be Paved:	0.236 Acres
D. Area to be Seeded:	2.059 Acres
E. Area Undisturbed:	1.166 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 nylon

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

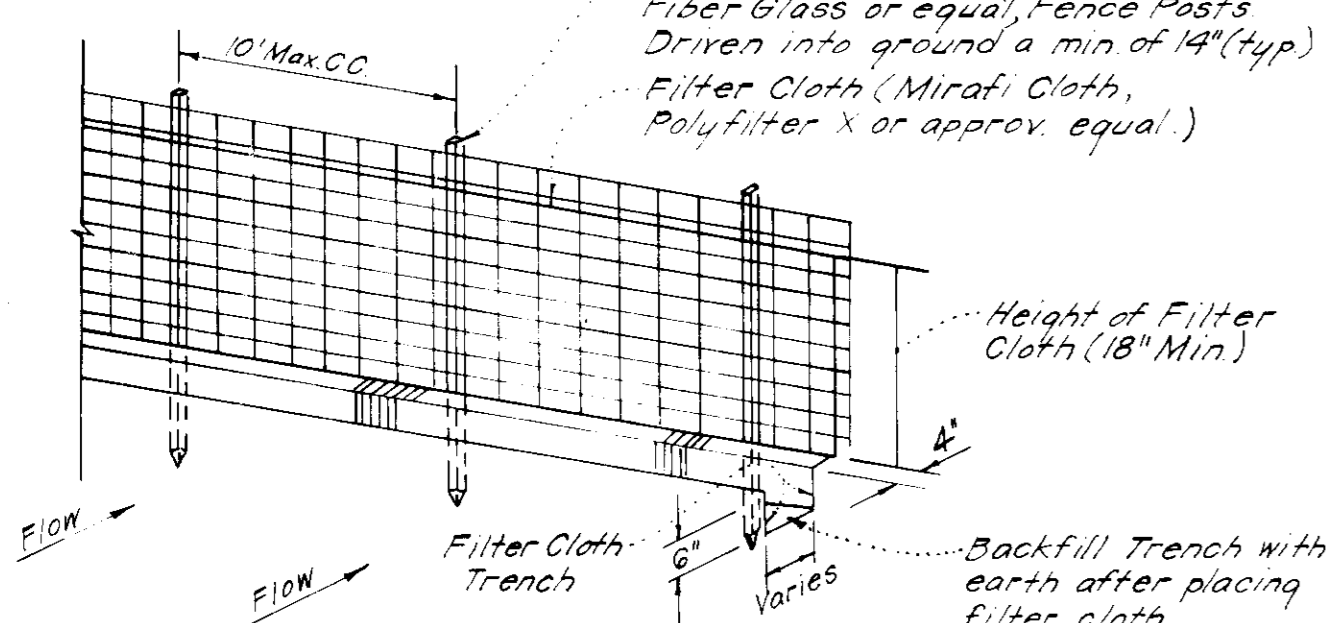


Note: In lieu of the use of rebar each straw bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above)

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

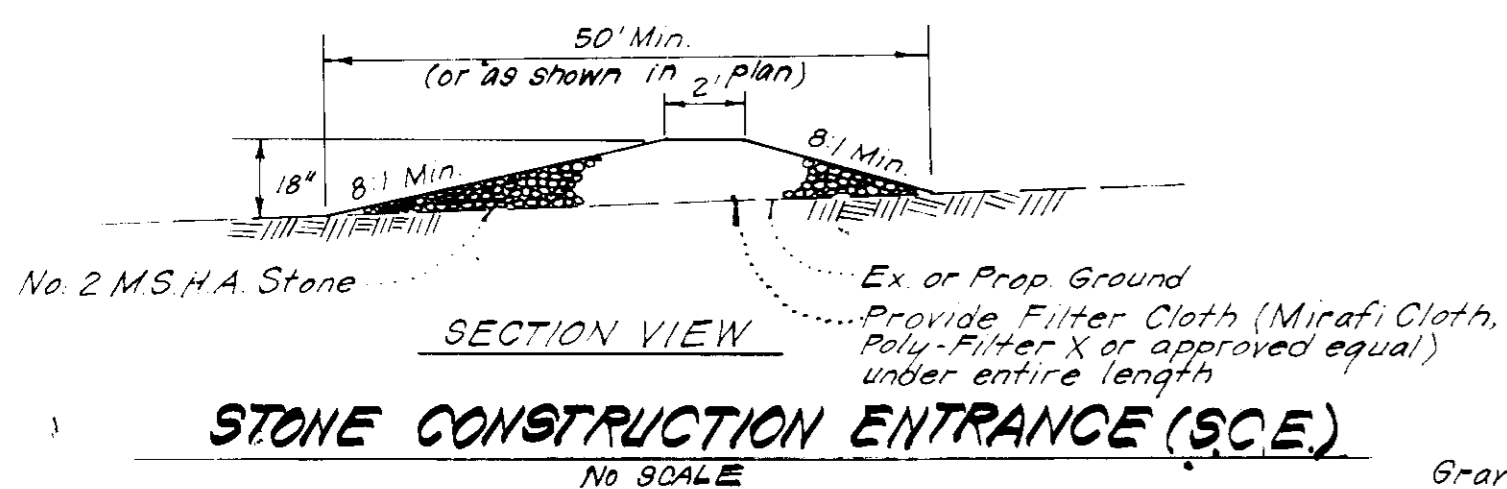
Woven wire fence - Min 14 gage; 6" Max spacing

36" 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 approx. equal)



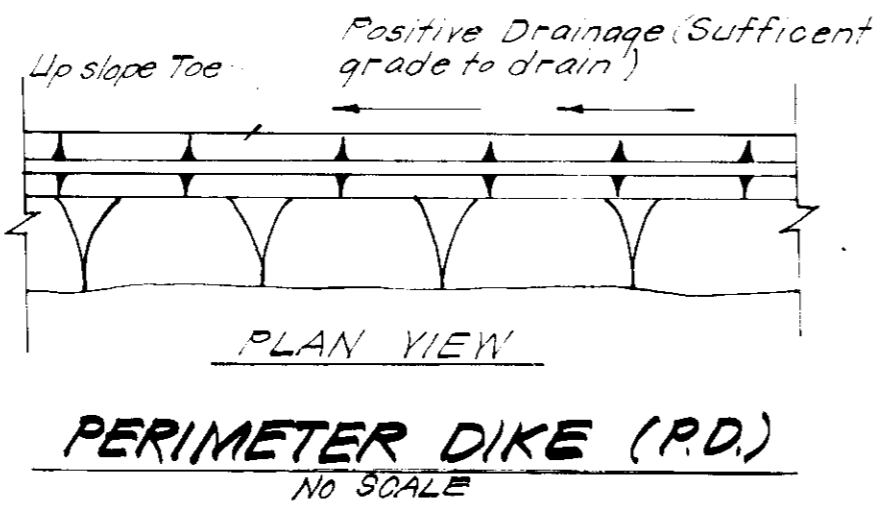
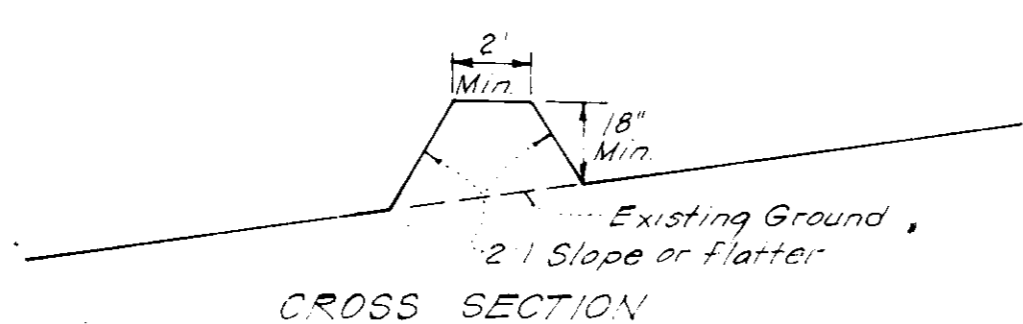
Notes:
1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties
2. Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24" x 24"

SILT FENCE DETAIL (SF)
NO SCALE

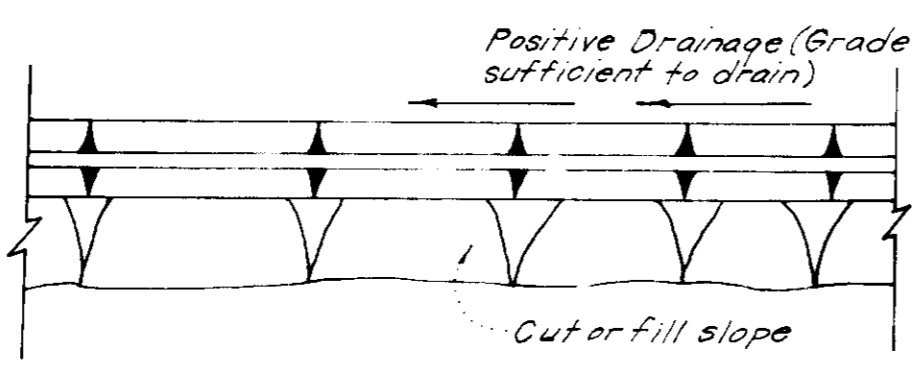
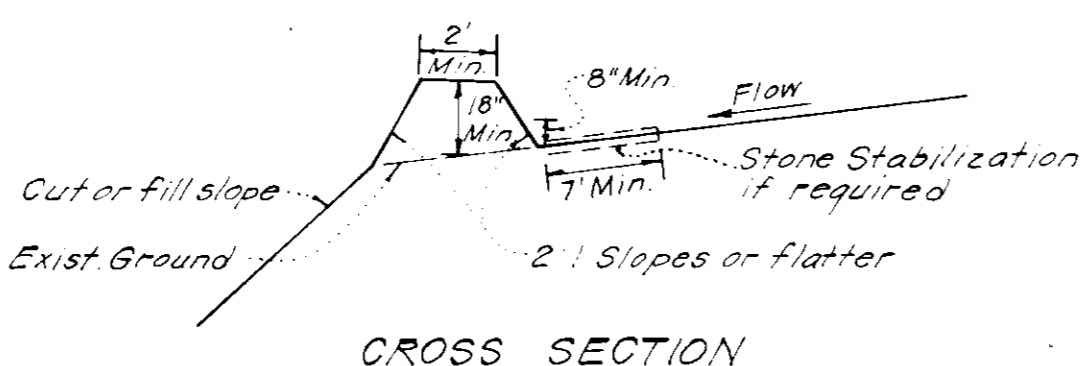


STONE CONSTRUCTION ENTRANCE (SCE)
NO SCALE

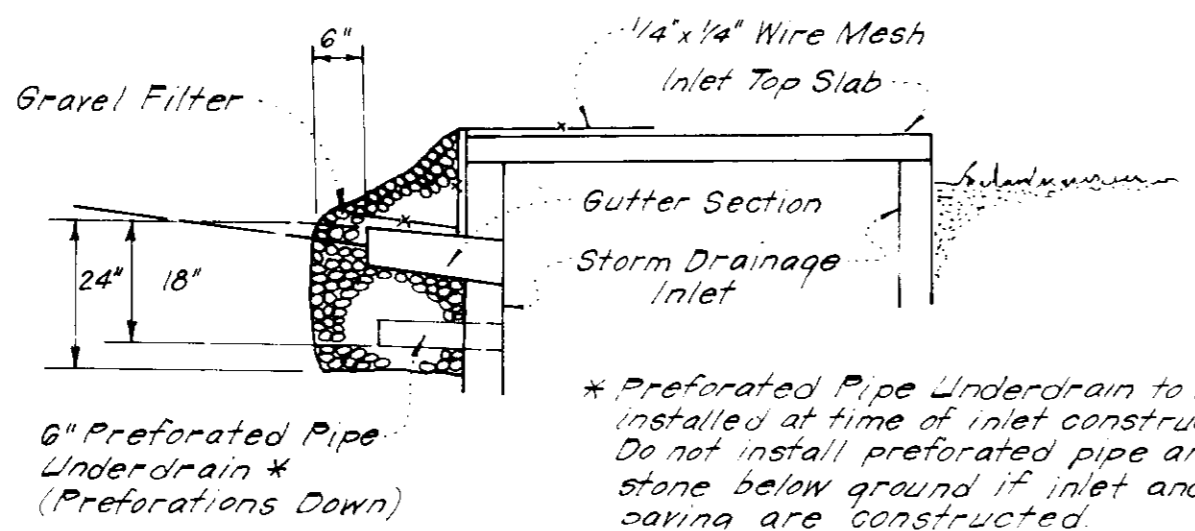
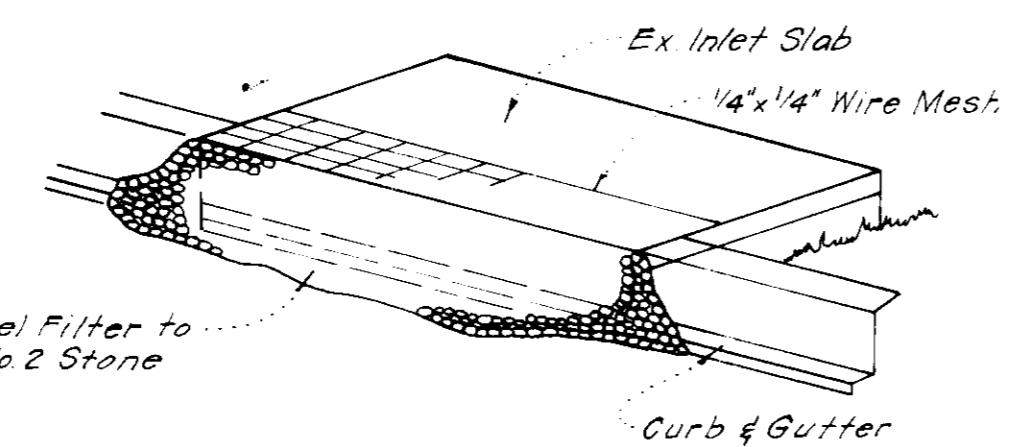
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 CHIEF BUREAU OF ENGINEERING



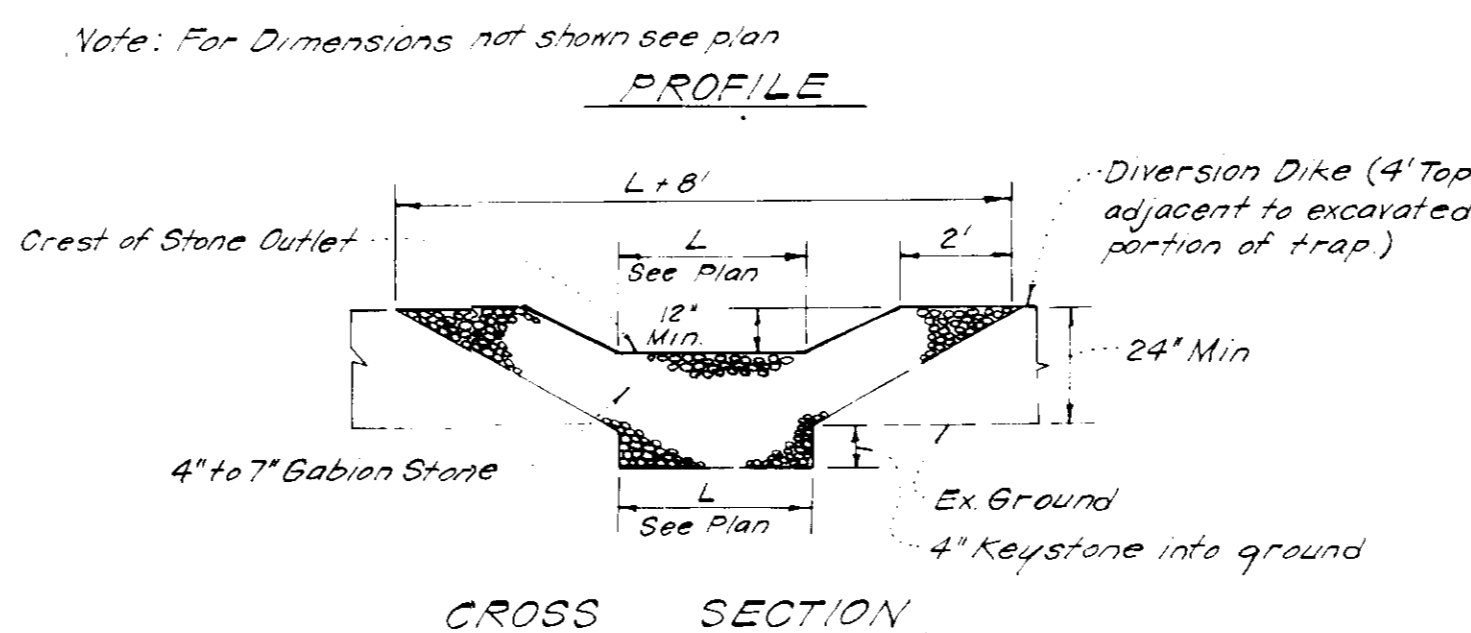
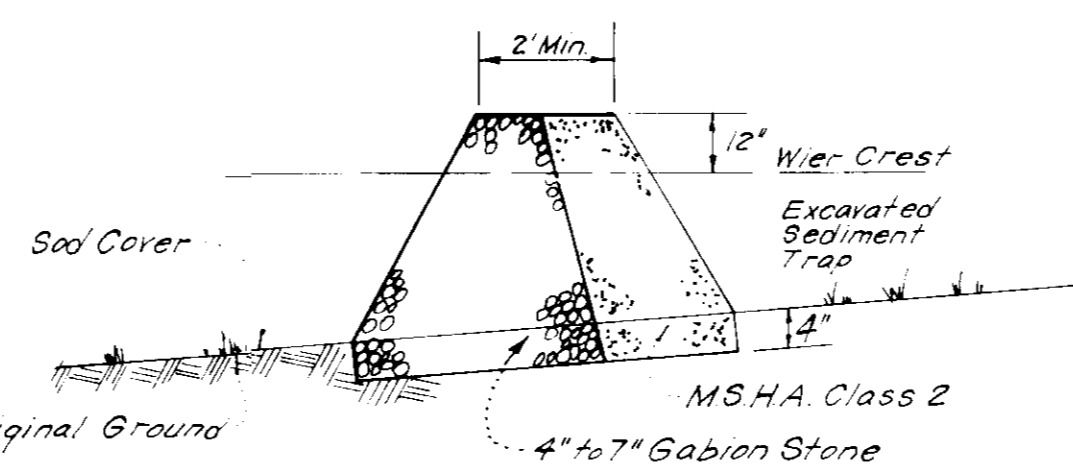
PERIMETER DIKE (P.D.)
NO SCALE



DIVERSION DIKE (D.D.)
NO SCALE

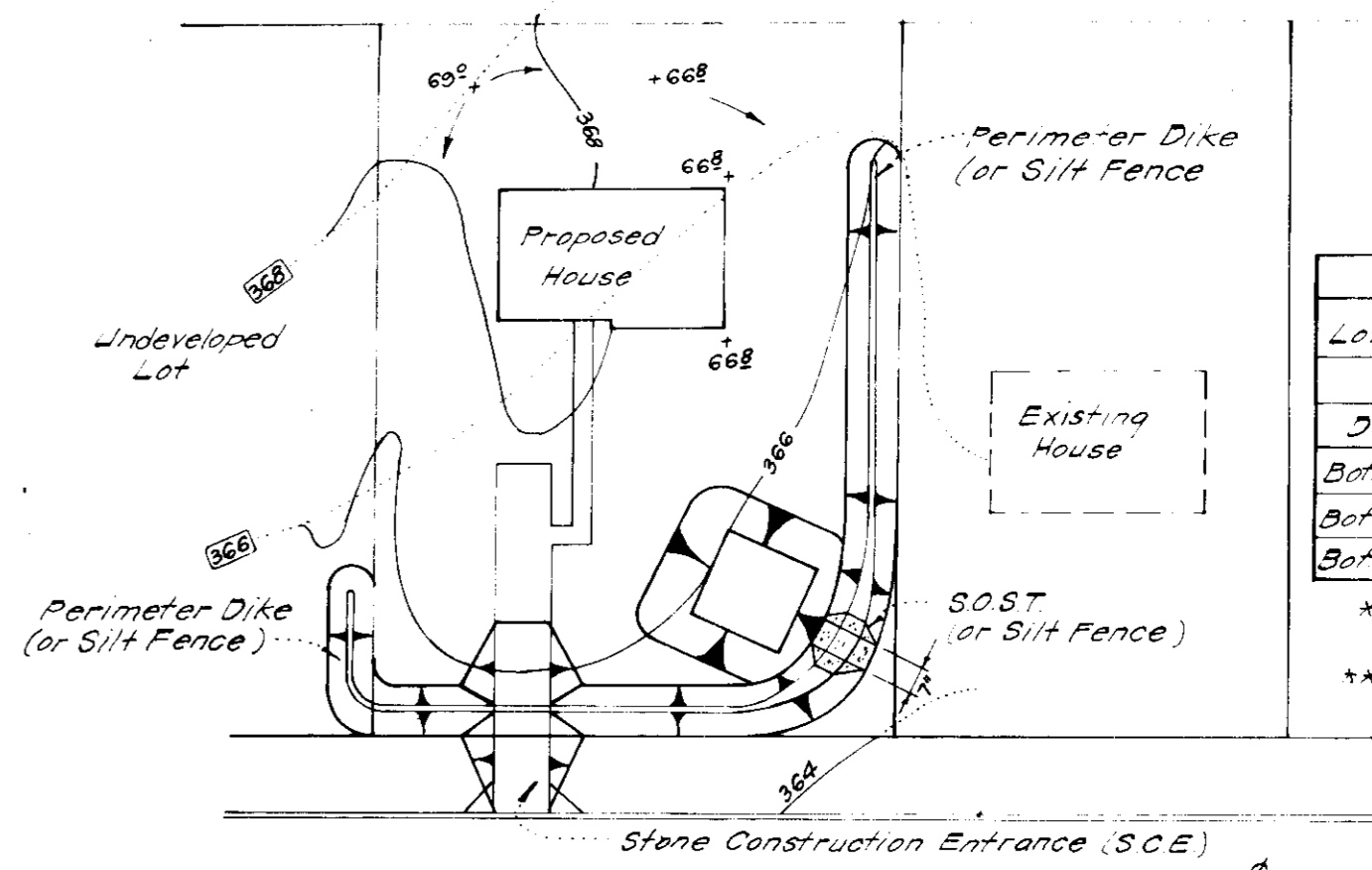


STONE FILTER INLET PROTECTION (S.F.I.P.)
NO SCALE



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

SOST #			
Lot Size	1/4 Ac	1/2 Ac	1 Ac
Depth	2'	3'	6'
Bot Length	11'	26'	26'
Bot Width	11'	11'	26'
Bot Area	121 sq	286 sq	676 sq

* See Std. ST-3 pg 2007 for det not shown
 ** Can be adjusted in field but bottom area must be as given or greater

Reviewed for HOWARD COUNTY
 Name: James M. Robinson
 Date: 5/3/83
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

DEVELOPER'S/BUILDER'S CERTIFICATE
 I hereby certify that all development and construction will be done in accordance with the plan for erosion and sediment control and that all responsible persons involved in the construction of this project have attended a course in the Department 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: John F. Conrad
 Date: 3/18/83

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: G. H. Clark
 Date: 5-18-83



CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE, COLUMBIA, MARYLAND 21044
 DESIGNED: B.P.
 DRAWN: K.I.W.
 CHECKED: B.P.
 DATE: 3-18-83
 SCALE: As Shown
 DRAWING: SDP-83
 JOB NO.: 83-024
 DATE: 83-024 SE
 PROJECT: BURLEIGH MANOR
 SECTION 4 AREA 2
 ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: CUSTAIN OF MARYLAND, INC.
 The Clark Building Suite 523
 Columbia, Md 21044

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 4-18-83
 Signature: [Handwritten]

SDP-83-140