

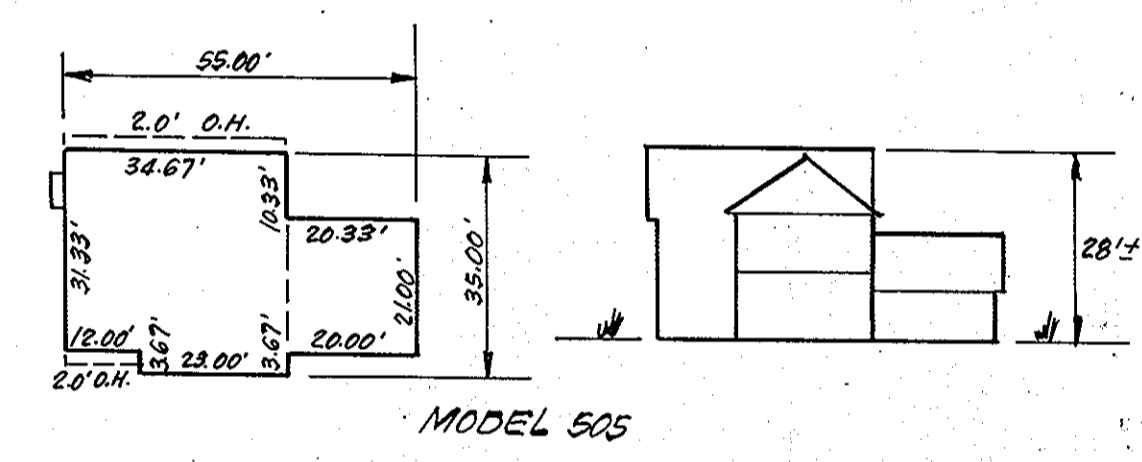
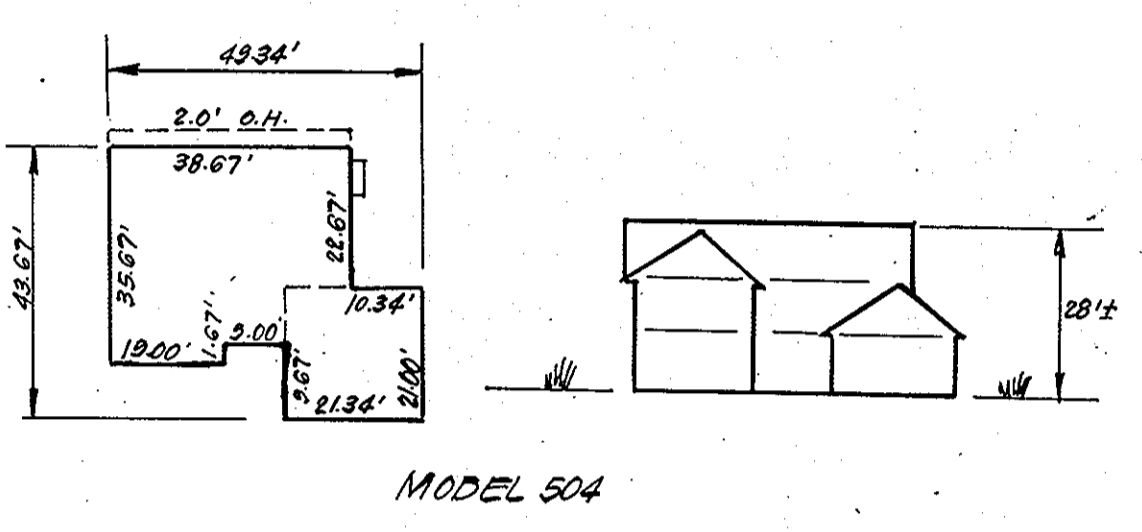
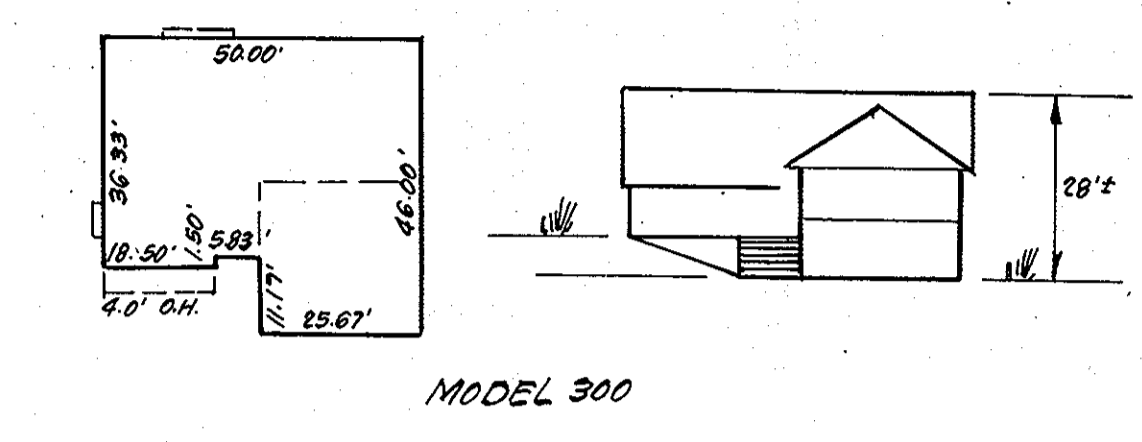
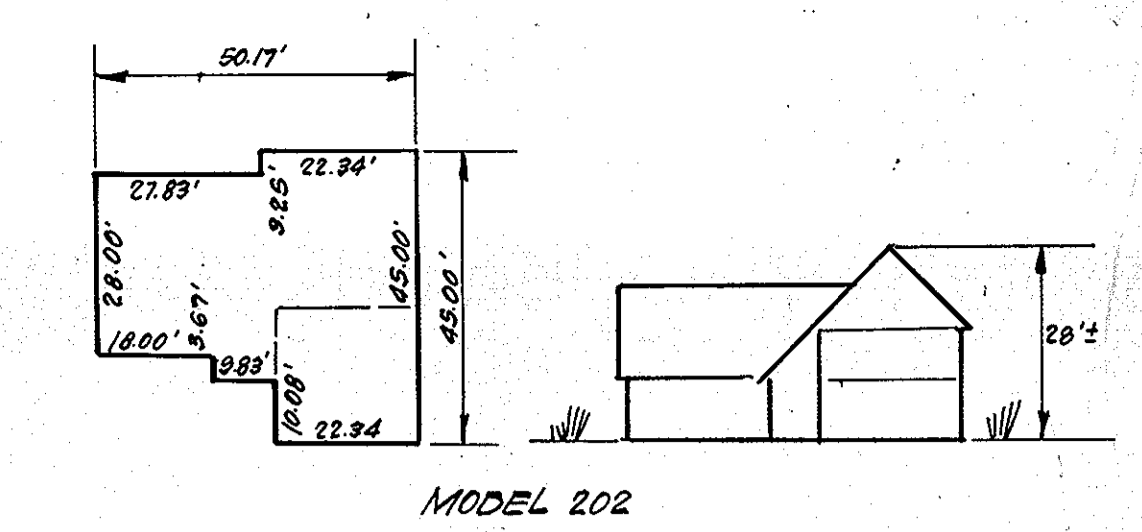
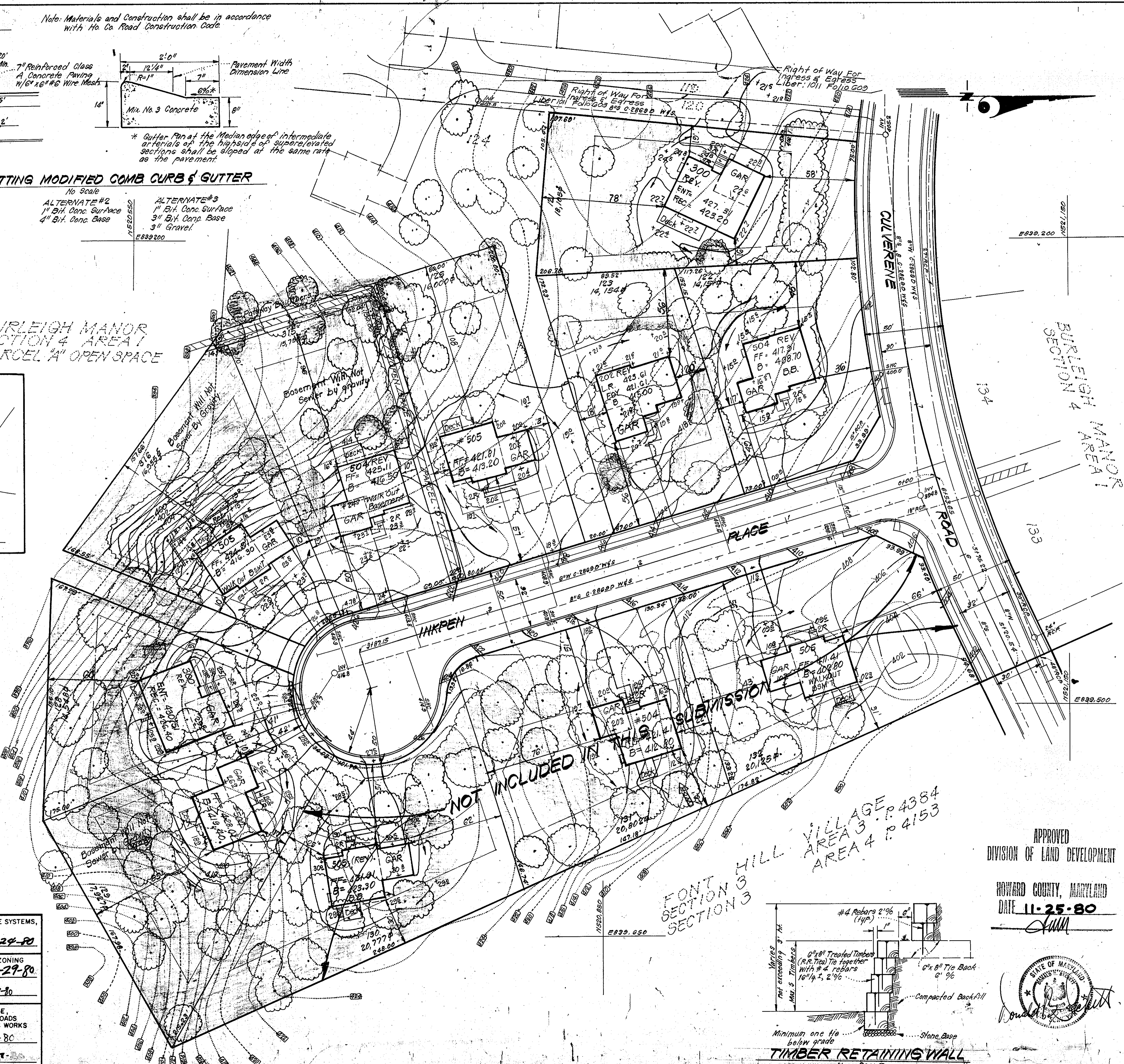
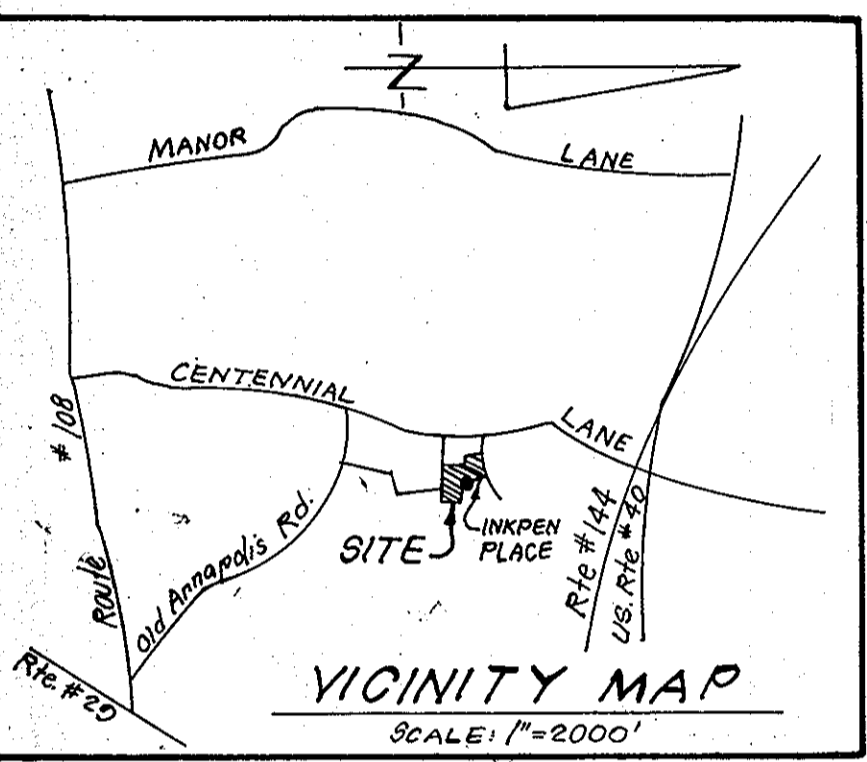
Note: Materials and Construction shall be in accordance with Ho Co Road Construction Code.

**PLAN DRIVEWAY ABUTTING MODIFIED CURB & GUTTER**

- ALTERNATE #1  
1" Bit. Conc. Surface  
2" Bit. Conc. Base  
6" Gravel
- ALTERNATE #2  
1" Bit. Conc. Surface  
4" Bit. Conc. Base
- ALTERNATE #3  
1" Bit. Conc. Surface  
3" Bit. Conc. Base  
3" Gravel

\* Gutter Pan at the Median edge of intermediate intervals of the highway or super-elevated sections shall be sloped at the same rate as the pavement.

BURLEIGH MANOR SECTION 4 AREA 1 PARCEL 'A' OPEN SPACE

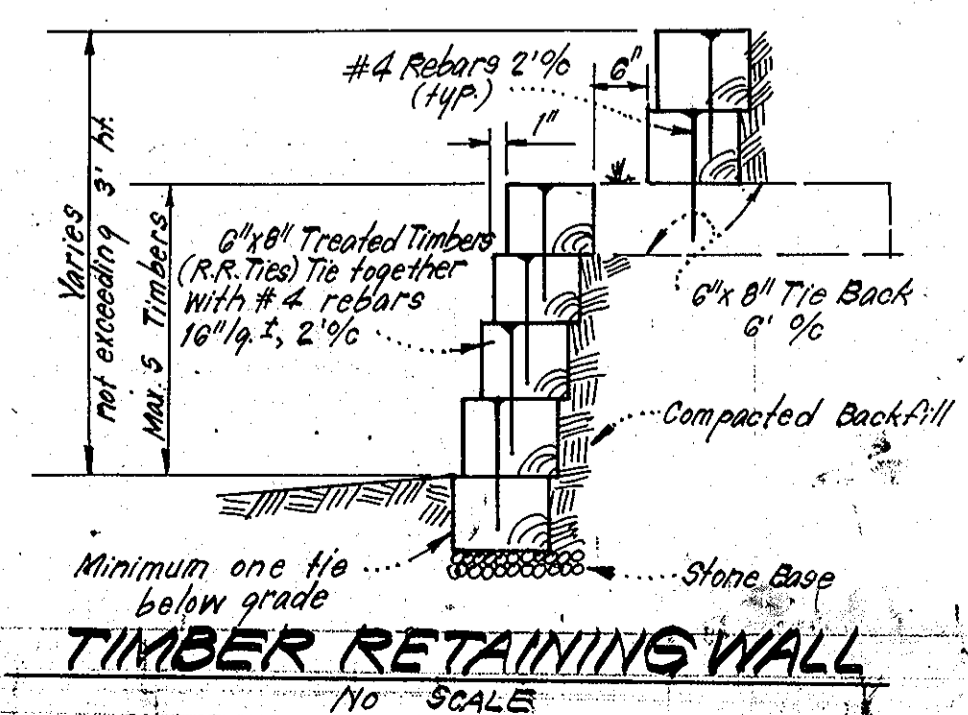


**TYPICAL HOUSES**  
No Scale

- GENERAL NOTES:**
- The Land included in this plan is zoned R-20
  - Coordinates shown are extensions made from the Maryland State Plane Coordinate System. Bearings refer to True North and are based on Howard County Geodesic Survey Point No. 304.0001 and No. 314.0003.
  - The area covered in this submission is located on Tax Map #24
  - The total area included on this plan is 3.00 Acres.
  - All roadways are public and existing.
  - Any damage to County owned rights of way shall be corrected at the developer's expense.

- LEGEND:**
- Contour Interval 2 Ft.
  - Existing Contour 400
  - Proposed Contour 402
  - Spot Elevation 195.5
  - Direction of Drainage
  - Exist. Trees to be retained
  - 100 Yr. Flood Plain Easement

APPROVED  
DIVISION OF LAND DEVELOPMENT  
HOWARD COUNTY, MARYLAND  
DATE 11-25-80



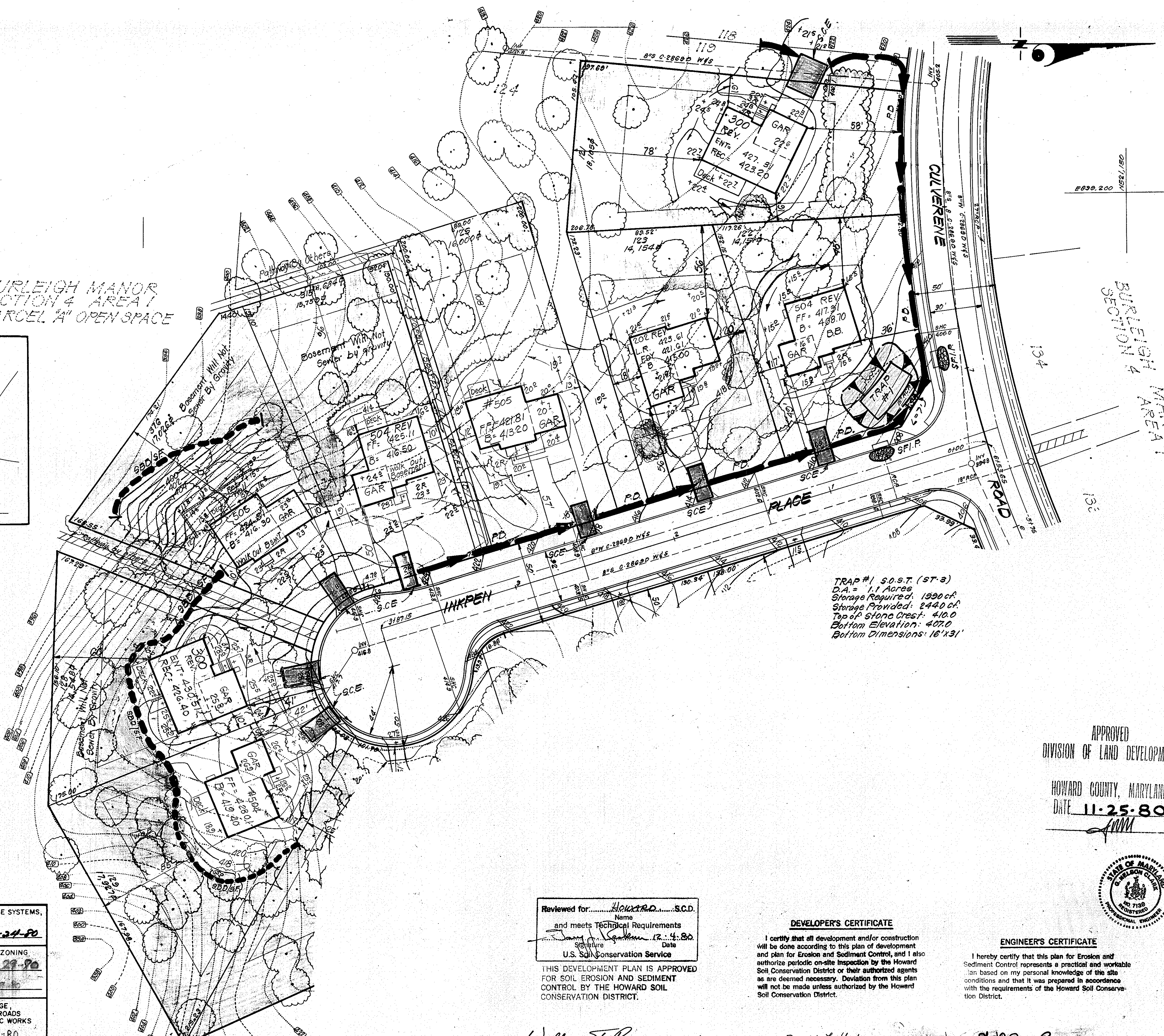
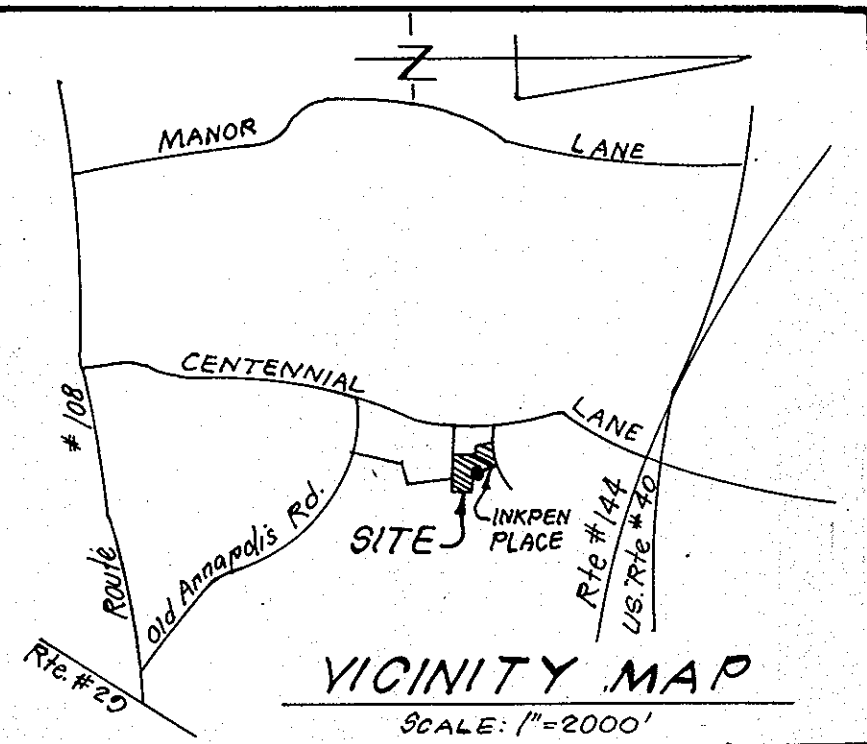
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
DATE 12-24-80

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE 12-29-80

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 12-18-80

<b>CLARK • FINEROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400		
DESIGNED J.M.E.	SITE DEVELOPMENT PLAN LOTS 121 THRU 123, LOT 125, LOTS 128 & 129 AND LOTS 315 & 316	SCALE 1" = 30'
DRAWN D.B.R.	<b>BURLEIGH MANOR</b>	DRAWING 1 of 3
CHECKED J.M.E.	SECTION 4 AREA 1 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 80-024
DATE Nov. 1980	FOR: COSTAIN WASHINGTON, INC. Suite 201, 10710 Lee Highway Fairfax, VA. 22030	FILE NO. 80-024-X

BURLEIGH MANOR  
SECTION 4 AREA 1  
PARCEL 'A' OPEN SPACE



TRAP #1, S.O.S.T. (ST-3)  
D.A. = 11 Acres  
Storage Required: 1390 cf.  
Storage Provided: 2440 cf.  
Top of Stone Crest: 410.0  
Bottom Elevation: 407.0  
Bottom Dimensions: 16'x31'

1. Perimeter Dike
2. Straw Bale Dike/Silt Fence
3. Stone Construction Entrance
4. Stone Filter Inlet Protection
5. Sediment Trap

**LEGEND:**

1. Contour Interval	2 FT.
2. Existing Contour	400
3. Proposed Contour	402
4. Spot Elevation	105.5
5. Direction of Drainage	
6. Exist. Trees to be retained	
7. 100 Yr. Flood Plain Easement	300.0

APPROVED  
DIVISION OF LAND DEVELOPMENT

HOWARD COUNTY, MARYLAND  
DATE 11-25-80



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
*Debra M. Reed* 12-24-80  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*Janet A. ...* 12-29-80  
PLANNING DIRECTOR DATE

CHIEF DIVISION OF LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*F. ...* 12-18-80  
DIRECTOR DATE

*...* 12-17-80  
CHIEF BUREAU OF ENGINEERING DATE

Reviewed for... Howard... S.C.D.  
Name  
and meets Technical Requirements  
*James ...* 12-4-80  
Signature Date  
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED  
FOR SOIL EROSION AND SEDIMENT  
CONTROL BY THE HOWARD SOIL  
CONSERVATION DISTRICT.

*William T. ...* 12-4-80  
Approved Date

**DEVELOPER'S CERTIFICATE**

I certify that all development and/or construction  
will be done according to this plan of development  
and plan for Erosion and Sediment Control, and I also  
authorize periodic on-site inspection by the Howard  
Soil Conservation District or their authorized agents  
as are deemed necessary. Deviation from this plan  
will not be made unless authorized by the Howard  
Soil Conservation District.

*Ronald J. Yuter* 6-16-80  
Date

**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 Conserva-  
tion District.

*...* 11-11-80  
Date

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

DESIGNED R.J.S.  
DRAWN D.B.R. K.M.M.  
CHECKED R.J.S.  
DATE June, 1980

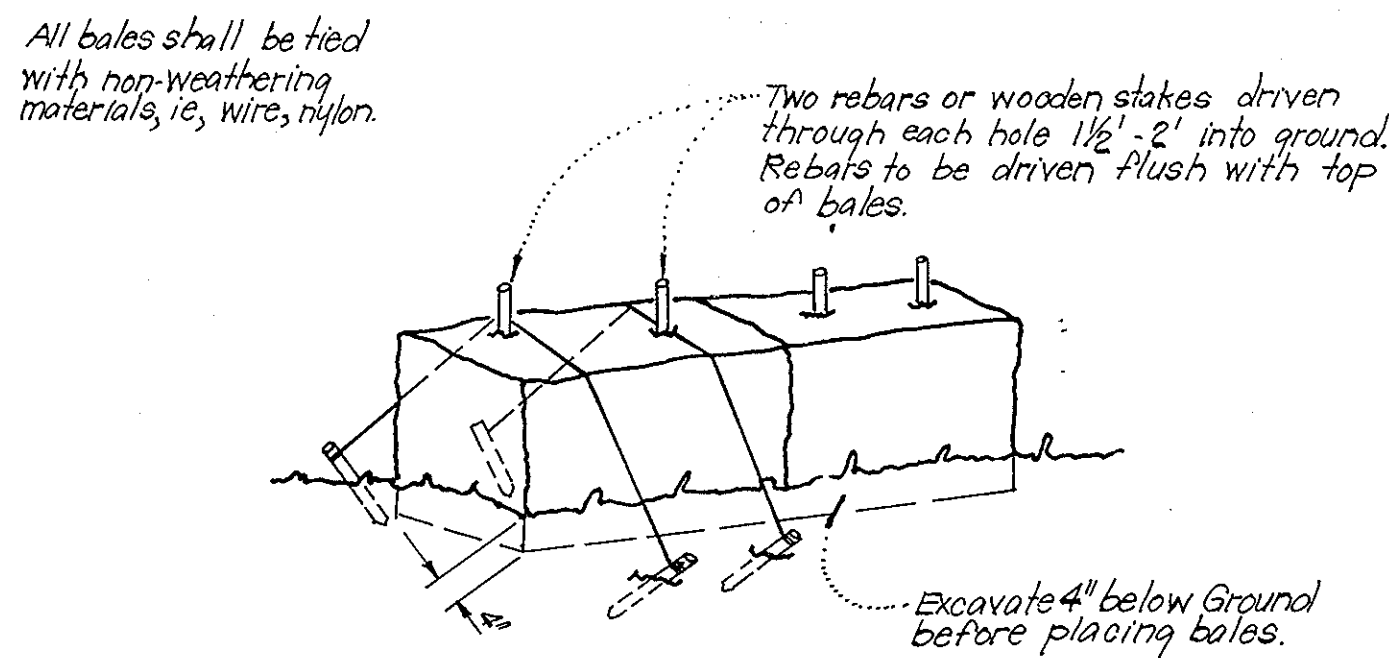
**SEDIMENT & EROSION CONTROL PLAN**  
LOTS 121 THRU 123, 125, 129, 315 & 316  
**BURLEIGH MANOR**  
SECTION 4 AREA 1  
2ND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
FOR: GOSTAIN WASHINGTON, INC.  
Suite 201, 10710 Lee Highway  
Fairfax, VA. 22030

SCALE 1"=30'  
DRAWING 2 of 3  
JOB NO. 80-024  
FILE NO. 80-024SE

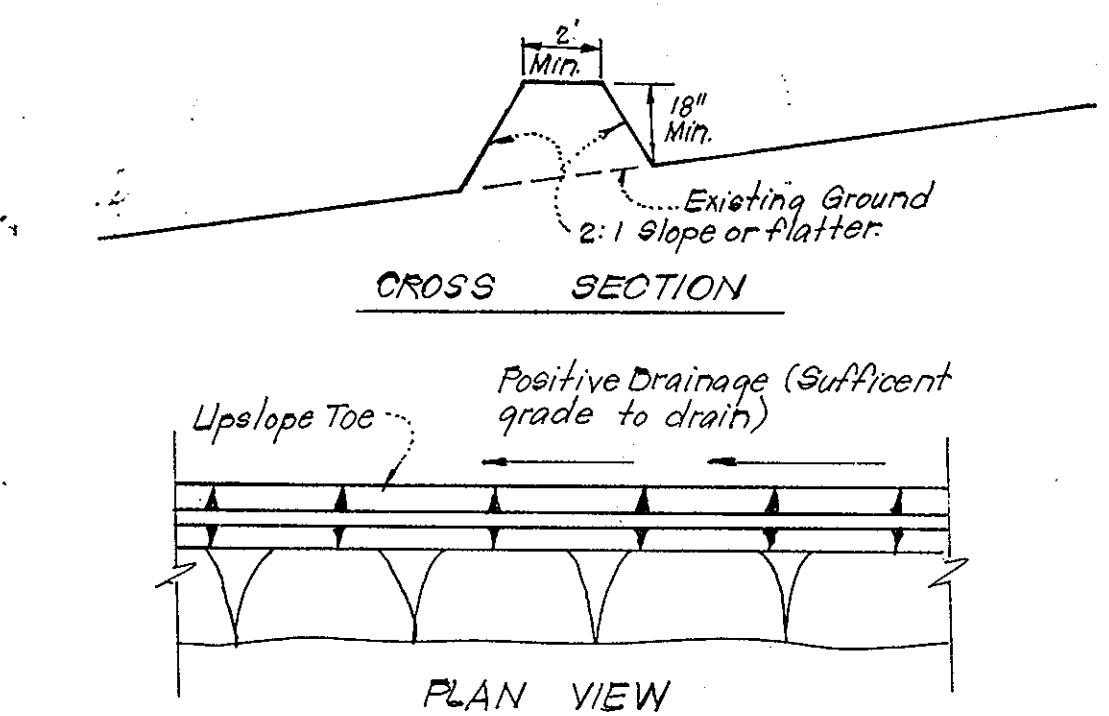
**GENERAL NOTES**

- 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 1.4 lbs/1000 s.f.
- 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 grading shall be treated in accordance with the following Specifications:
  - Seed - certified 85% germination applied at the rate of 5 lbs/1000 s.f. Mixture - 40% Kentucky Blue, 20% Chewink Fescue, 20% Kentucky 31 and 20% annual rye.
  - Fertilizer - 10-10-10 applied at a rate of 23 lbs/1000 s.f. Ground Agricultural Lime or Colomatic Lime applied at a rate of 90 lbs/1000 s.f.
  - Mulch - Weed free grain straw applied at a rate of 10-20 lbs/1000 s.f. Mulch shall be secured to the ground by any approved method i.e., asphalt tack, 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.
- 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.
- Total Amount of Straw Bales or Silt Fence shown = 330 LF
- SITE ANALYSIS:
 

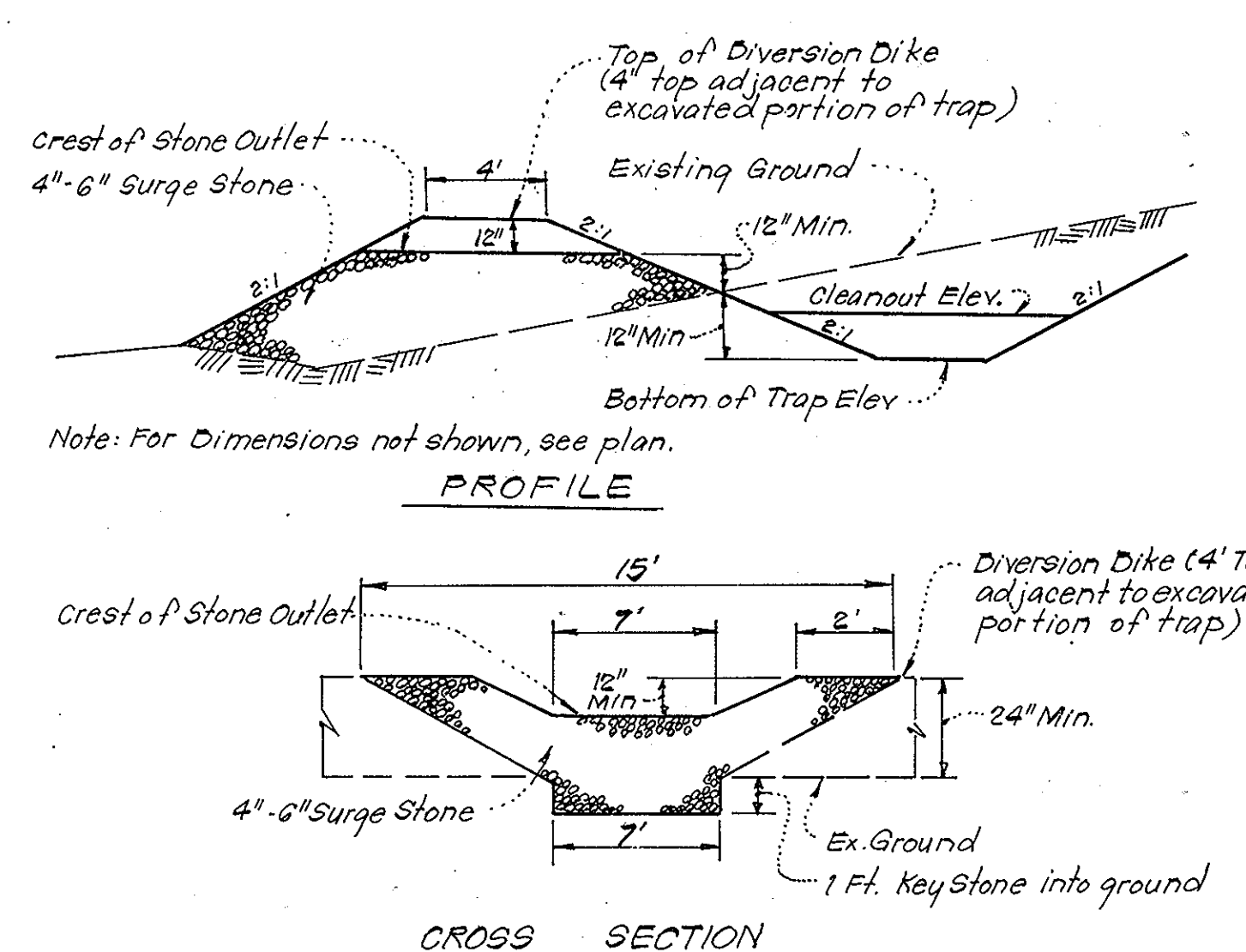
A. Total Area:	<u>3.00</u>	Acres
B. Area to be Roofed:	<u>0.33</u>	Acres
C. Area to be Paved:	<u>0.16</u>	Acres
D. Area to be Seeded:	<u>1.02</u>	Acres
E. Area Undisturbed:	<u>1.48</u>	Acres
- CONSTRUCTION SEQUENCE:
  - Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes.
  - Excavate for Foundations and Rough Grade.
  - Erect Structures, Driveways and Sidewalks.
  - Final Grade and Stabilize in accordance with note #6.
- 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.



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

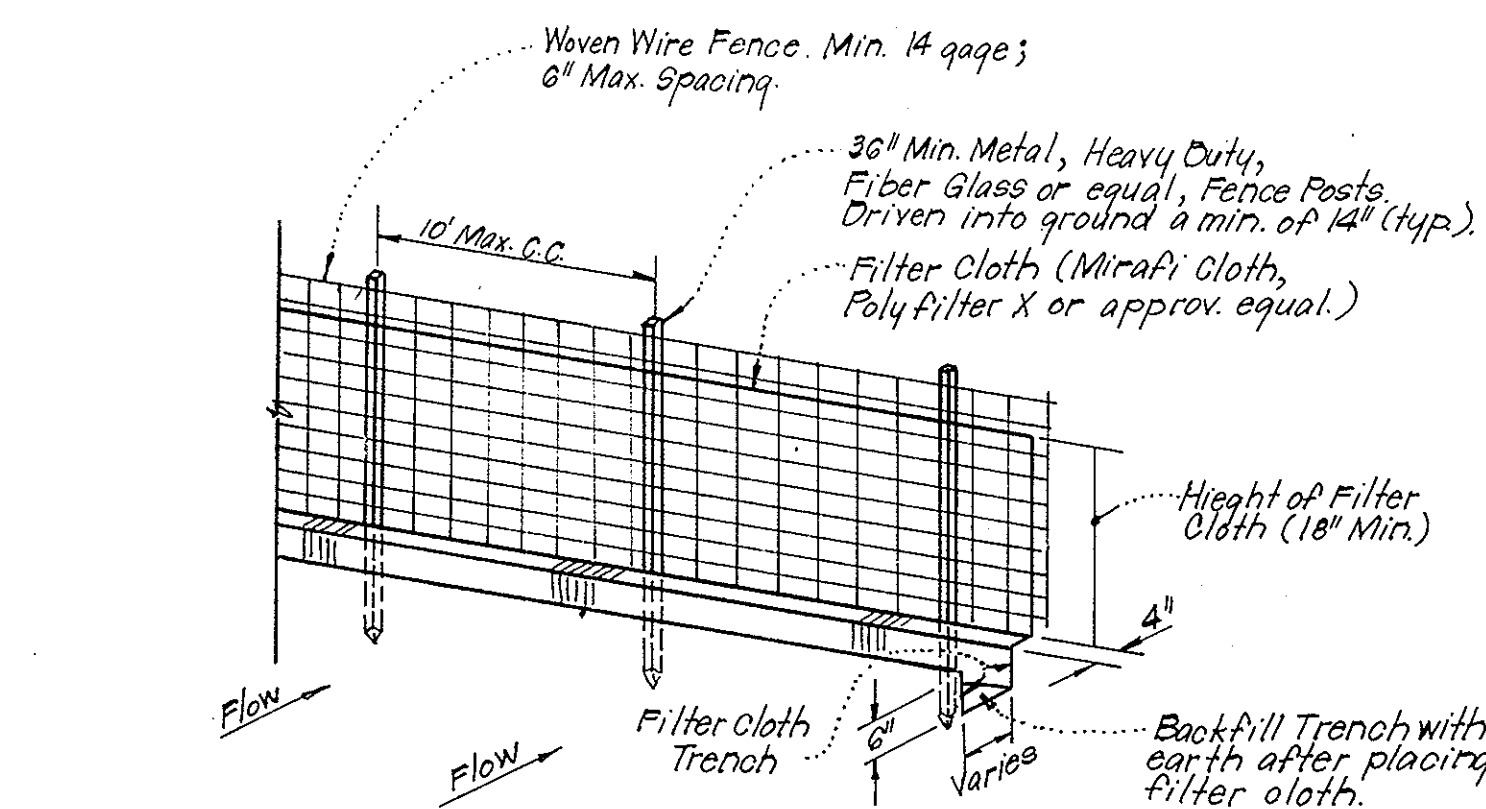


**TYPICAL PERIMETER DIKE DETAIL (P.D.)**  
No Scale



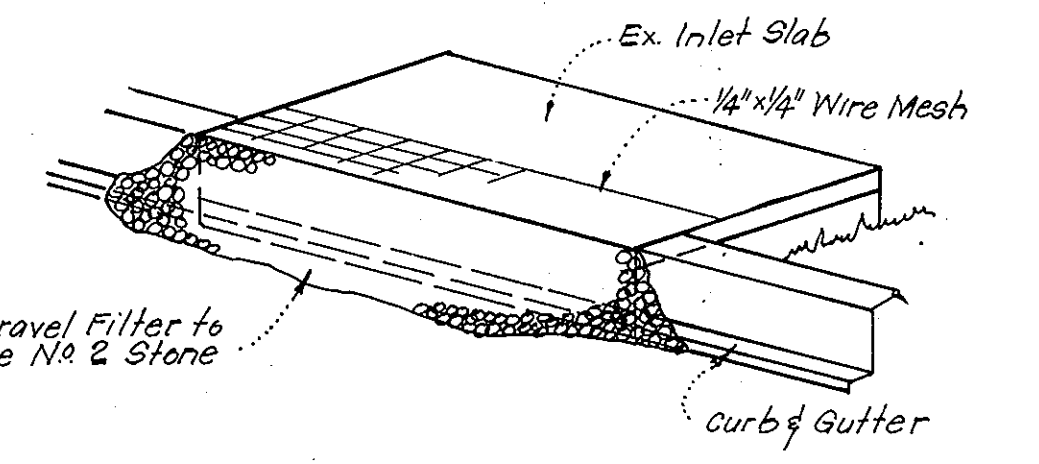
- Notes:
- Sediment Trap to be cleaned out when sediment reaches a level of 1 ft. below crest of stone outlet.
  - Bottom of sediment trap to be level and constructed to the dimensions shown on plan.
  - Stone Outlet to be constructed through diversion dike adjacent to excavated portion of sediment trap.

**DETAILS OF STONE FILTER OUTLET (FOR STONE OUTLET SEDIMENT TRAP)**  
No Scale

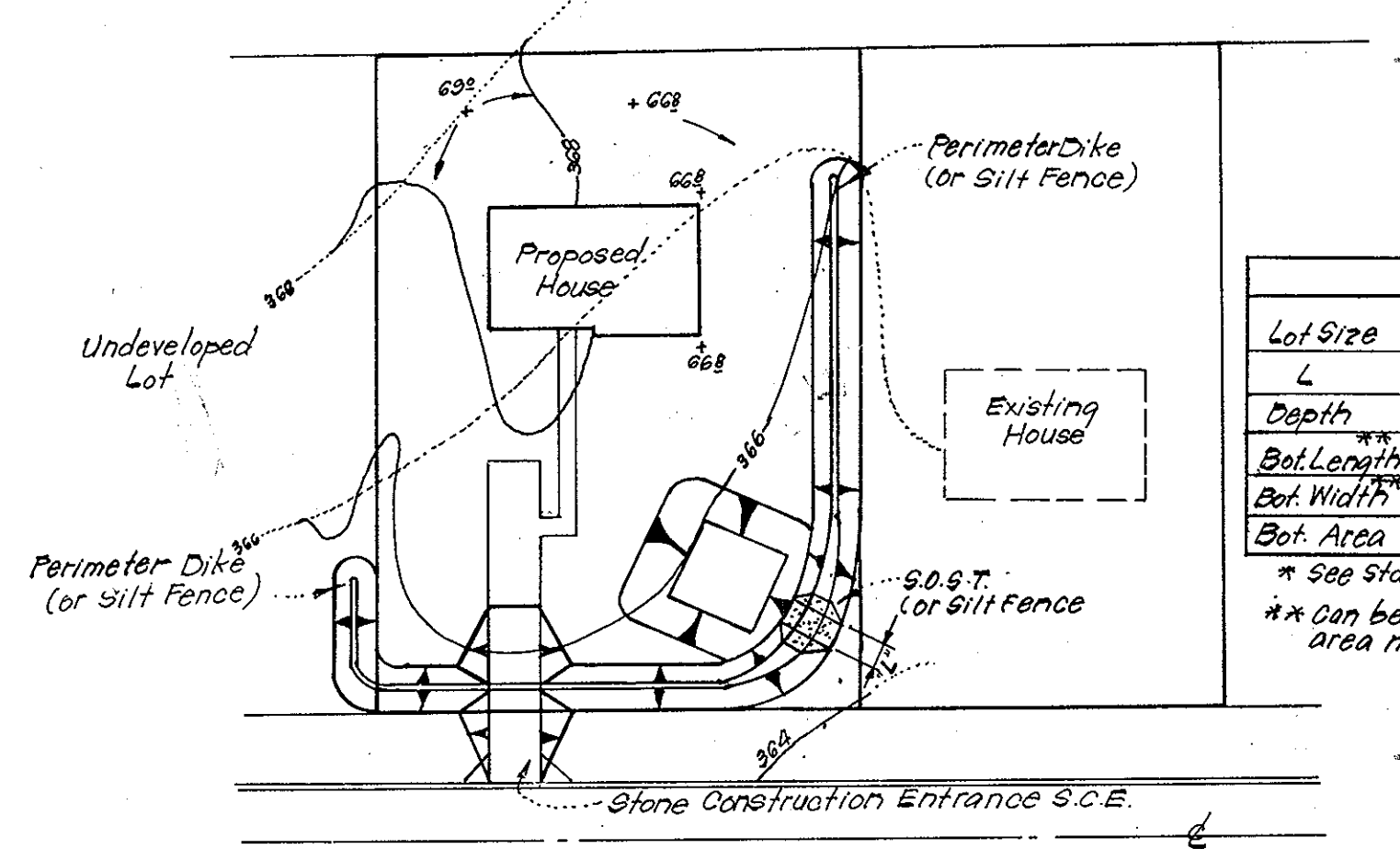


- Notes:
- Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
  - Filter Cloth to be fastened securely to Woven Wire, by use of wire ties spaced every 24 inches.

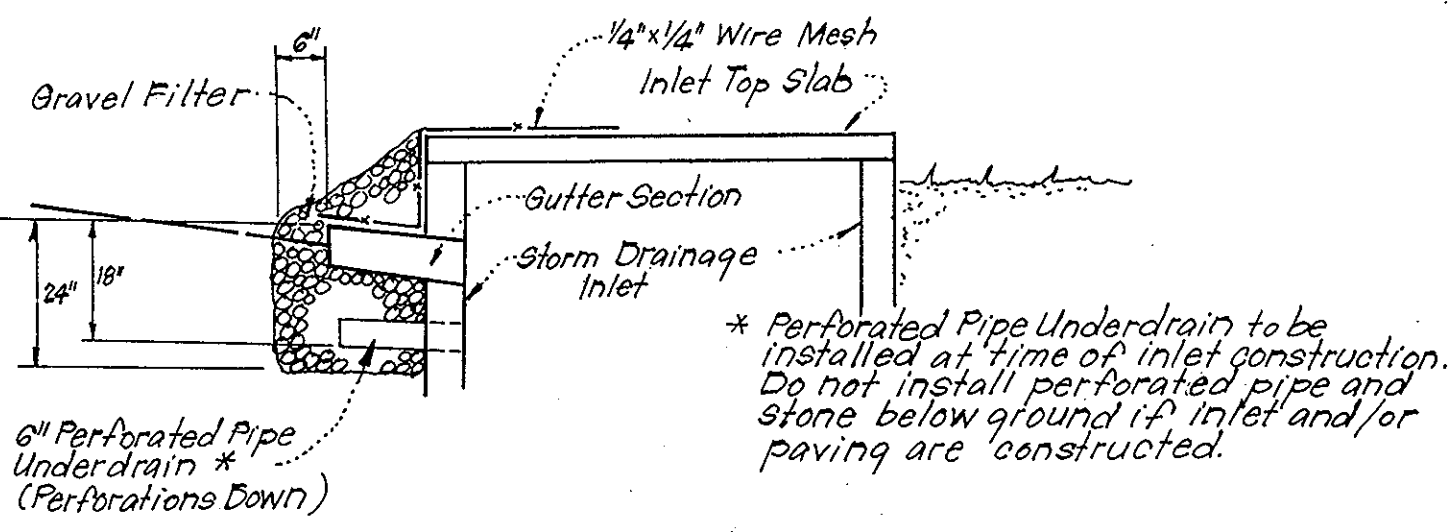
**TYPICAL SILT FENCE DETAIL (S.F.)**  
No Scale



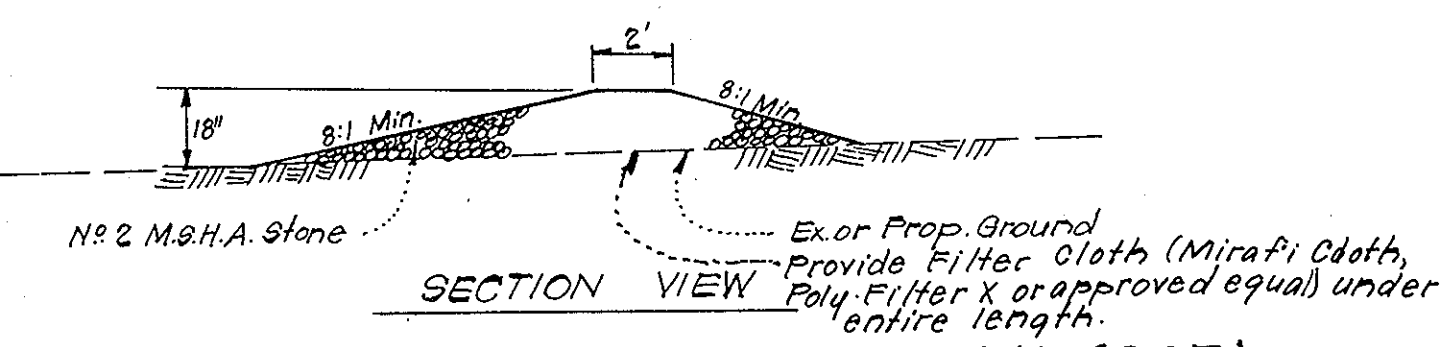
**ISOMETRIC VIEW**



**TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN**  
No Scale



**SECTION VIEW**  
**STONE FILTER INLET PROTECTION (S.F.I.P.)**  
No Scale



**SECTION VIEW**  
**STONE CONSTRUCTION ENTRANCE DETAIL (S.C.E.)**  
No Scale

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 DeLoe, C. Boyd / 12-29-80  
 COUNTY HEALTH OFFICER / DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 [Signature] / 12-29-80  
 PLANNING DIRECTOR / DATE

CHIEF DIVISION OF LAND DEVELOPMENT  
 [Signature] / 12-29-80  
 CHIEF DIVISION OF LAND DEVELOPMENT / DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 [Signature] / 12-18-80  
 DIRECTOR / DATE

[Signature] / 12-17-80  
 CHIEF BUREAU OF ENGINEERING / DATE

Reviewed for: HOWARD S.C.D. Name  
 and meets Technical Requirements  
 [Signature] / 12-14-80  
 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] / 12-4-80  
 Approved Date

**DEVELOPER'S CERTIFICATE**

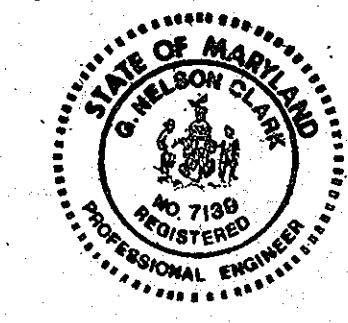
I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

[Signature] / 6-16-80  
 Signature Date

**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] / 6-16-80  
 Signature Date



**CLARK • FINEFROCK & SACKETT**  
 ENGINEERS • PLANNERS • SURVEYORS

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

DESIGNED	R.J.S.	SEDIMENT & EROSION CONTROL PLAN	SCALE
DRAWN	K.I.W.	LOTS 121 THRU 123, 125, 126, 315 & 316	As Shown
CHECKED	R.J.S.	<b>BURLEIGH MANOR</b>	30/13
DATE	June, 1980	SECTION 4 AREA 1	80024
		2ND ELECTION DISTRICT	80-024-SE
		HOWARD COUNTY, MARYLAND	
		FOR: CASTAIN WASHINGTON INC.	
		Suite 201 10710 Lee Highway	
		Fairfax, VA. 22030	

SDP-80-163

APPROVED  
 DIVISION OF LAND DEVELOPMENT  
 HOWARD COUNTY, MARYLAND  
 DATE 11-25-80  
JUM