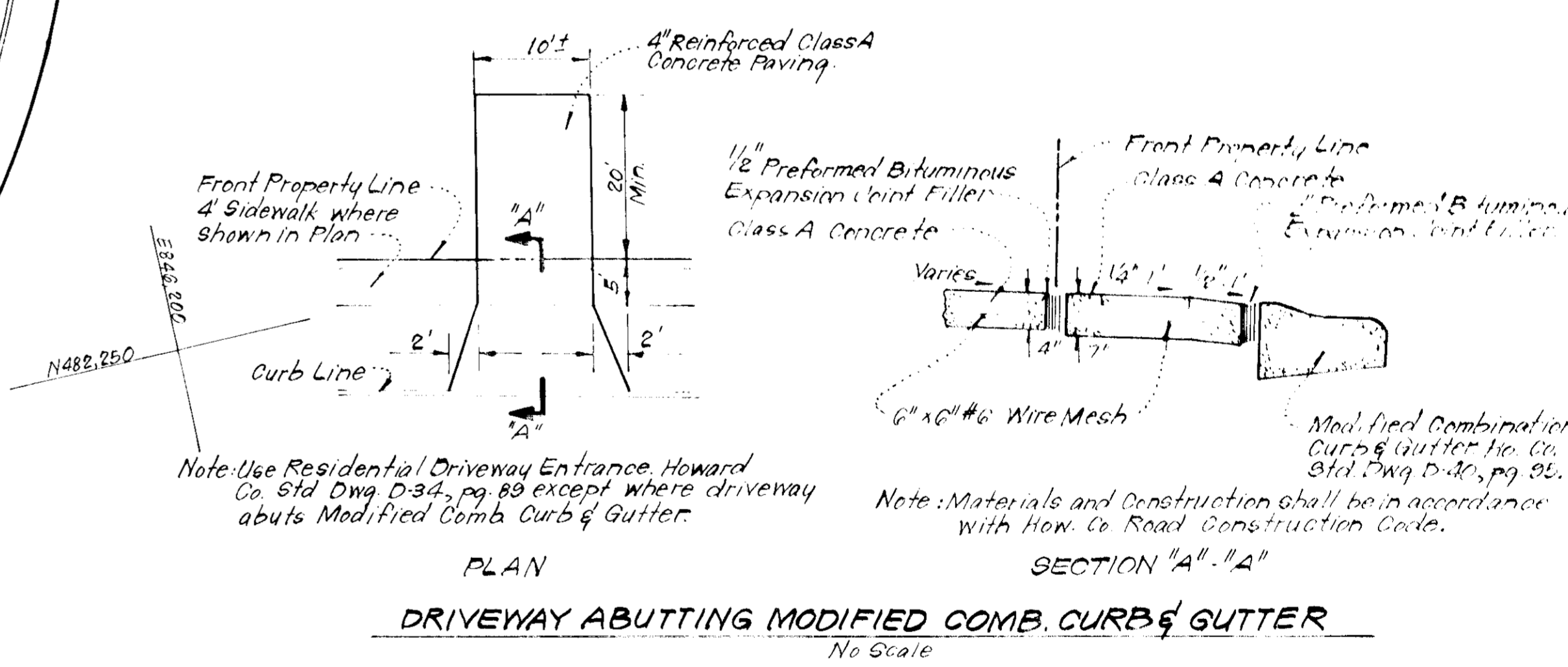


NO.	REVISION	DATE
1	Change 100' long lots 153-155 & A. 1/2" 1st 1-100' profile sheet	7-11-79
2	Change 100' long lots 153-155 & A. 1/2" 1st 1-100' profile sheet	7-11-79

- GENERAL NOTES:**
- The Land included in this plan is zoned: New Town SF.M.D.
 - The Lots shown on this plan are located on Tax Map # 42.
 - The plan and coordinates shown hereon are based upon traverse controls for Columbia established by Maps Inc. in 1965 and by Purdum and Jeschke in 1968, which controls were tied to Md. Bureau of Central Survey Monuments and to U.S. Coast and Geodetic Mean Survey monuments in the Columbia area.
 - The total area included in this plan is: 4.481 Acres.
 - 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 in this submission is 18.
 - The Lots shown on this plan are covered by Final Development Plan Phase 169A-Part I, Plat No 3054 A, 162-176 Feb 8, 1979.

- LEGEND:**
- Contour Interval 2 Ft.
 - Existing Contour 340
 - Proposed Contour 340
 - Spot Elevation +405
 - Direction of Drainage
 - Existing Trees to be Retained



Total Number of Lot ... 18
Note: For Bearings and Distances of Individual Lot Lines, See Plats 4235 & 4237

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

APPROVED FOR 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

APPROVED
6-18-79
[Signature]

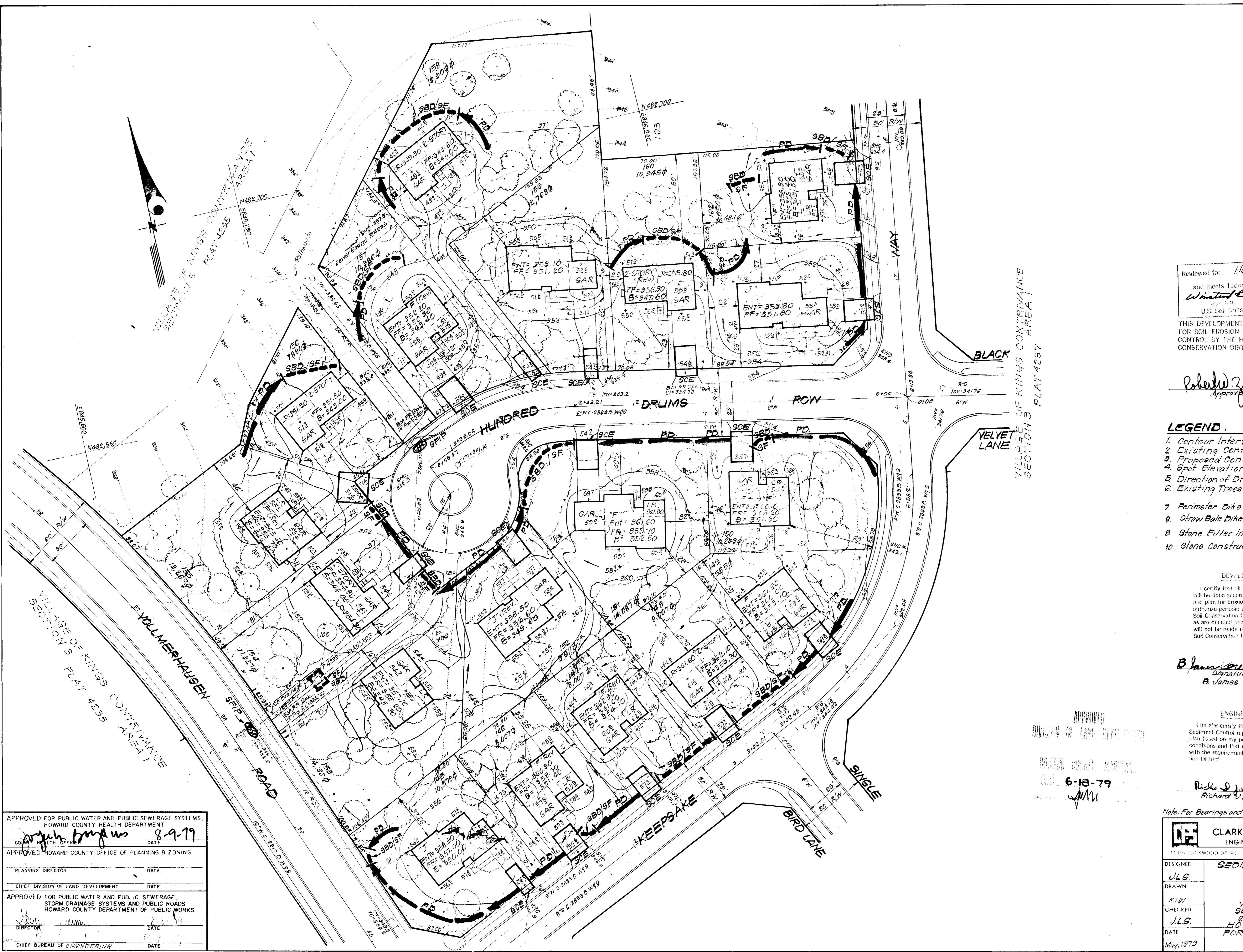
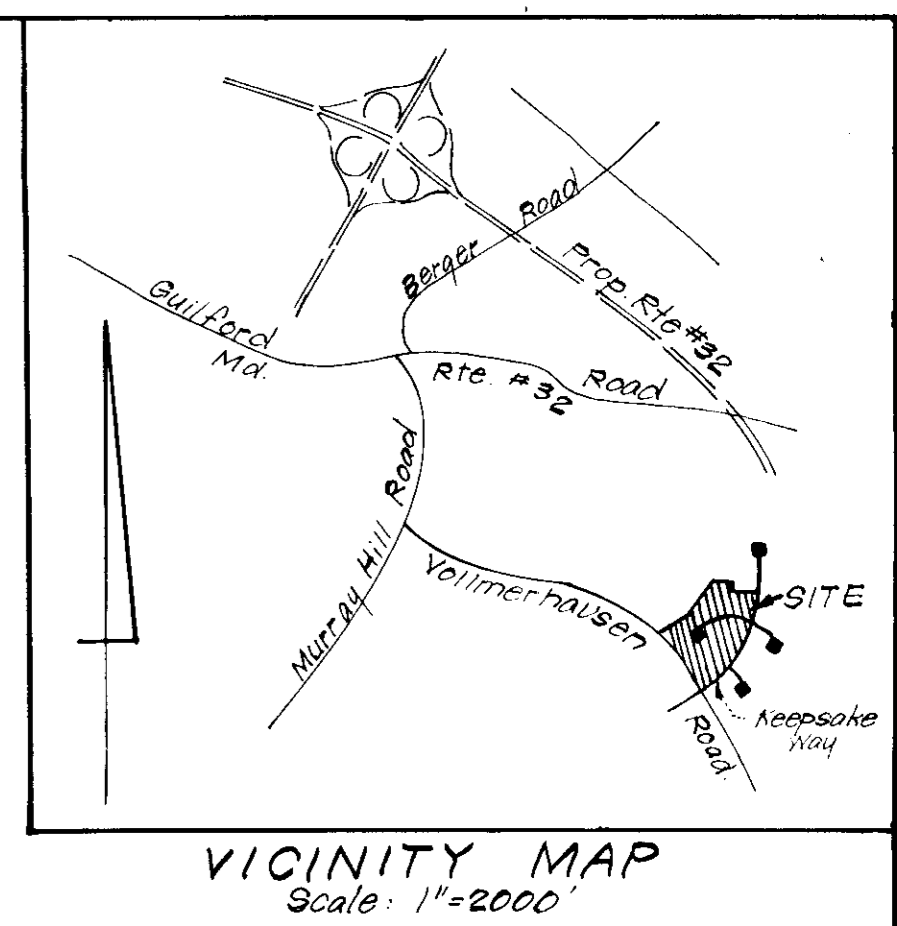
CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS

DESIGNED BY: JME
DRAWN BY: KIW
CHECKED BY: JME
DATE: May, 1979

SITE DEVELOPMENT PLAN
LOTS 145 THRU 162

COLUMBIA
VILLAGE OF KINGS CONTRIVANCE
SECTION 3
6TH SECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: COLUMBIA BUILDERS, INC.
606 American City Bldg.
Columbia, Maryland 21044

SCALE: 1"=30'
DRAWING: 104'3
JOB NO: 78-1105
FILE NO: 78-1155-X



Reviewed for: HOWARD S.C.D.
and meets Technical Requirements.
Wm. G. Smith 7/24/79
U.S. Soil Conservation Service

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

Robert W. Zehm 7/27/79
Approved Date

LEGEND.

1. Contour Interval 2 FT.
2. Existing Contour 340
3. Proposed Contour 340
4. Spot Elevation +405
5. Direction of Drainage
6. Existing Trees to be Retained
7. Perimeter Dike PD
8. Stone Bale Dike or Silt Fence SBD or SF
9. Stone Filter Inlet Protection SFIP
10. Stone Construction Entrance SCE

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.

B. James Greenfield 8-15-79
Signature Date
B. James Greenfield

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.

Richard U.H. Stepp 7-15-79
Signature Date
Richard U.H. Stepp

Note: For Bearings and Distances of Individual Lot Lines, See Plots 4235 & 4237

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
John Brown 8-9-79
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
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
John Brown 8-9-79
DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING DATE

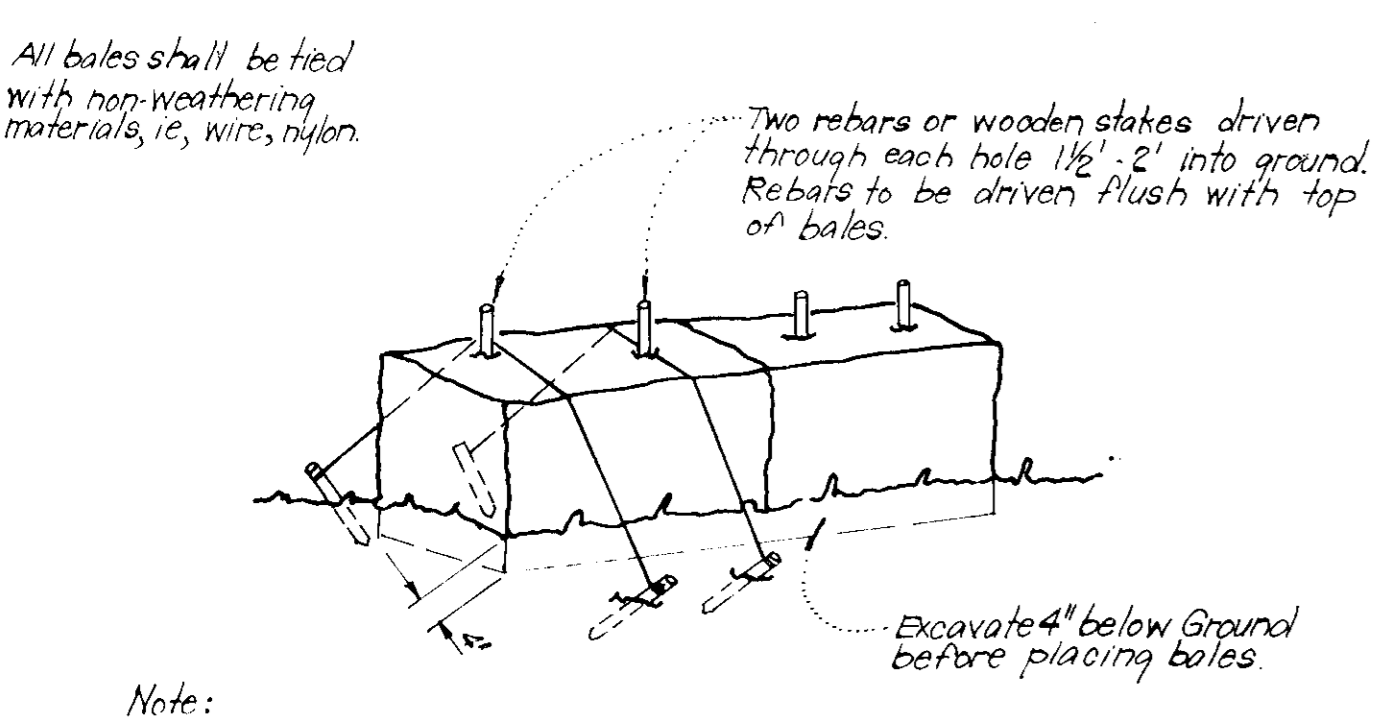
CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 1101 LICKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		SCALE
		1"=30'
DESIGNED	J.L.S.	DRAWING
DRAWN	J.L.S.	2-27-79
CHECKED	K.W.	JOB NO.
DATE	May, 1979	78-1155
		FILE NO.
		78-1155-9E

SDP-79-143c

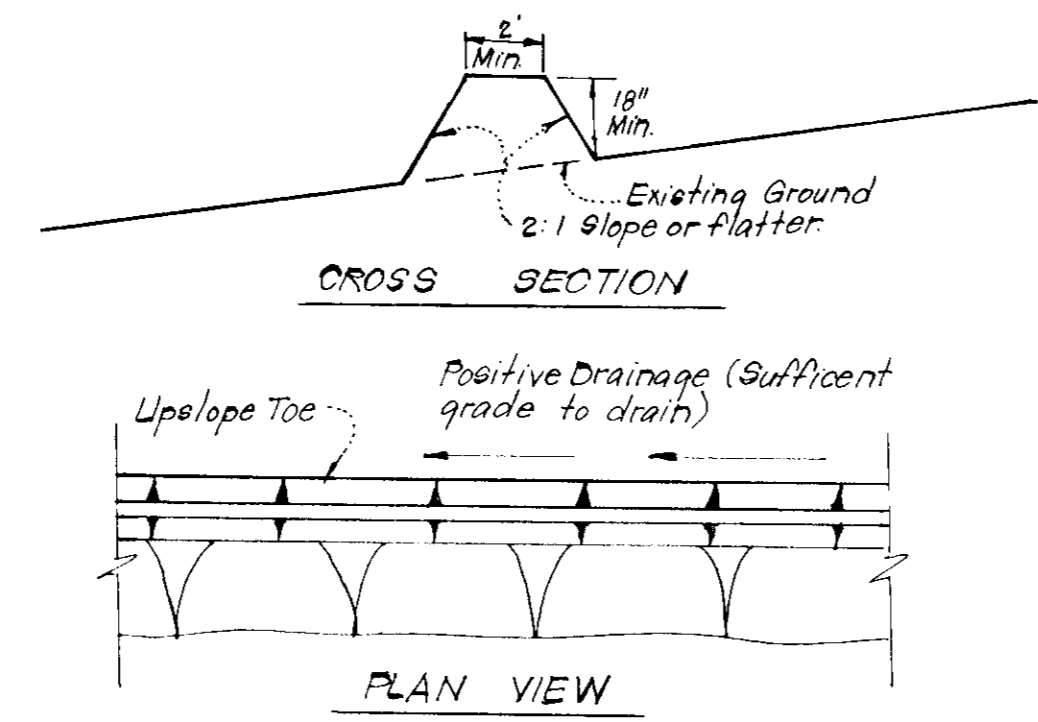
GENERAL NOTES

- 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 sq. ft.
- 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 3 lbs/1000 sq. ft. 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 sq. ft. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 46 lbs/1000 sq. ft.
 - Mulch - Weed free grain straw applied at a rate of 46 lbs/1000 sq. ft. 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.
- Stabilized Construction Entrances shall be placed at all construction entrances.
- 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 = 615 LF
- SITE ANALYSIS:

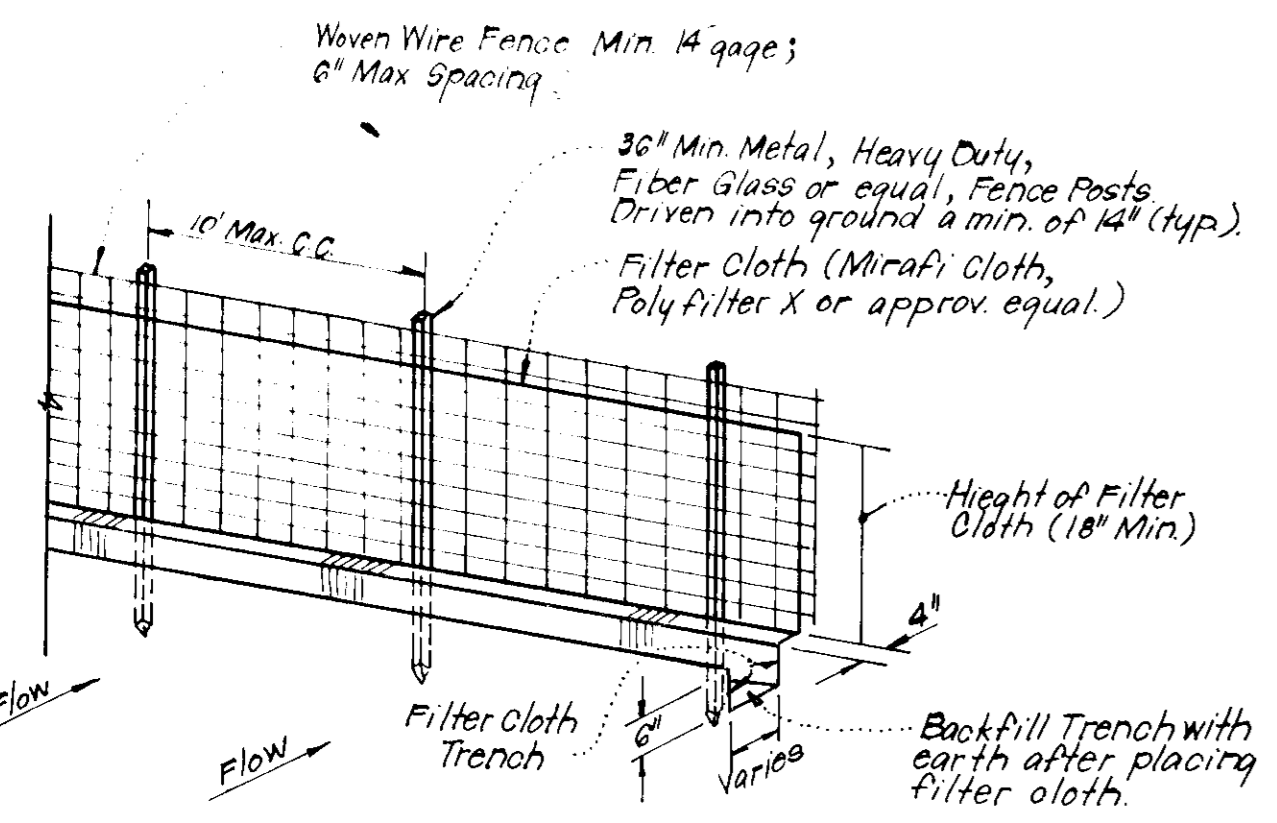
A. Total Area:	4.481	Acres
B. Area to be Roofed:	0.786	Acres
C. Area to be Paved:	0.315	Acres
D. Area to be Seeded:	2.323	Acres
E. Area Undisturbed:	1.057	Acres
- CONSTRUCTION SEQUENCE:
 - Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes.
 - Excavate for Foundations and Rough grade.
 - Erect Structures, Drive ways 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.



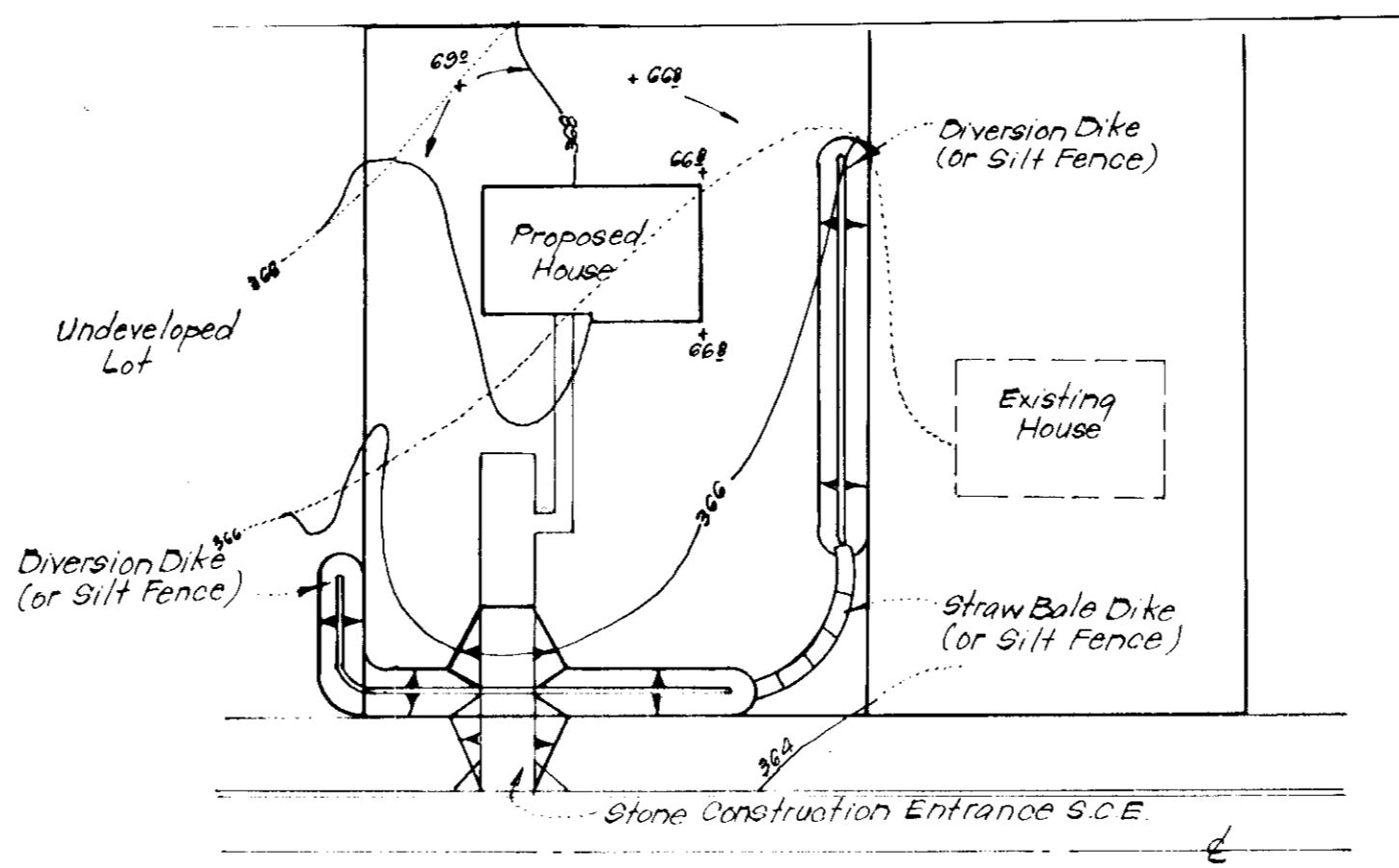
TYPICAL STRAW BALE DIKE DETAIL (S.B.D.)
No Scale



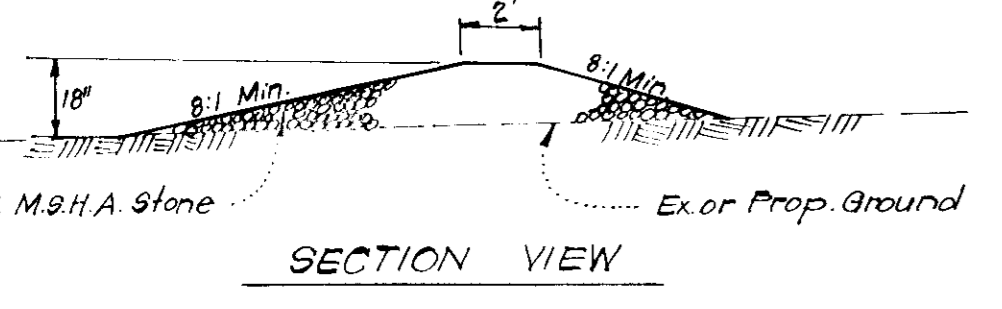
TYPICAL PERIMETER DIKE DETAIL (P.D.)
No Scale



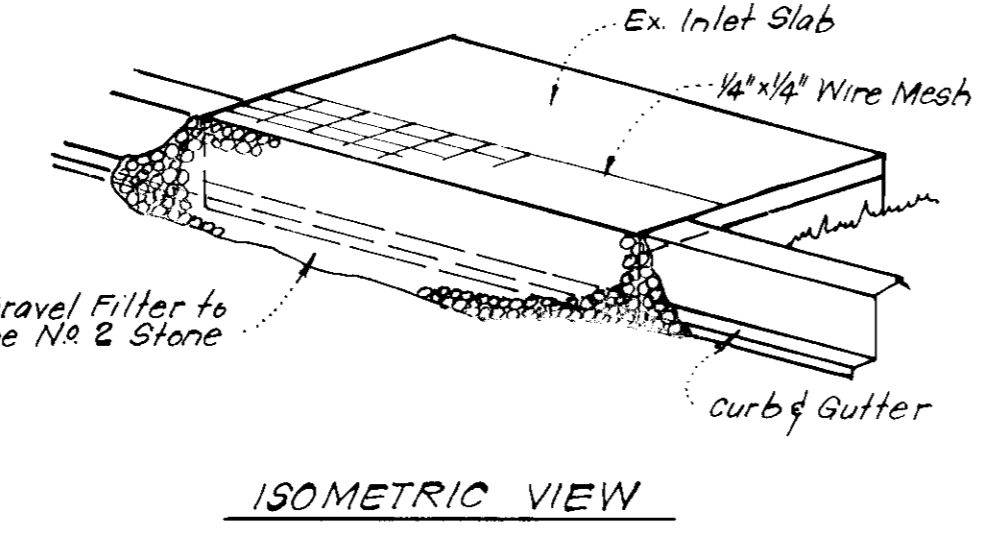
TYPICAL SILT FENCE DETAIL (S.F.)
No Scale



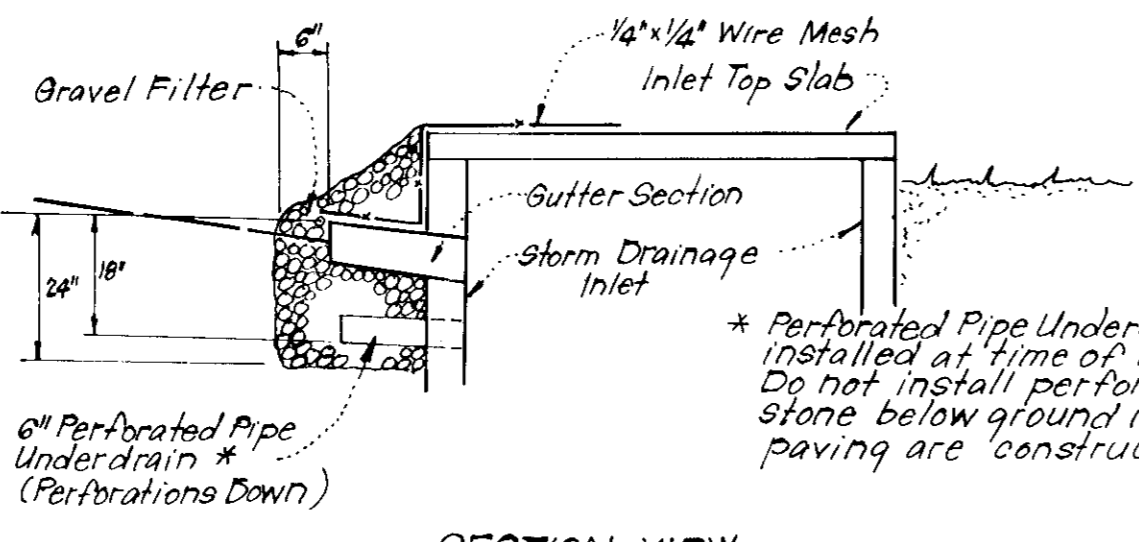
TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
No Scale



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



ISOMETRIC VIEW



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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 8-9-79
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: _____ DATE: _____
 CHIEF DIVISION OF LAND DEVELOPMENT
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: _____ DATE: _____
 CHIEF BUREAU OF ENGINEERING
 _____ DATE: _____

Reviewed for: *Howard Co.* S.C.D.
 and meets Technical Requirements
Wendell Boudette 7/10/79
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

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.

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.

Robert J. Zehms 7/27/79
 Approved Date

B. James Greenfield 5-15-79
 Signature Date
 B. James Greenfield

Richard J.A. Stepp 5-19-79
 Date

APPROVED
 DIVISION OF LAND DEVELOPMENT
 6-18-79
[Signature]

CLARK • FINFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11115 LICKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED <i>JLS</i>	SEDIMENT & EROSION CONTROL PLAN LOTS 145 THRU 162	SCALE As Shown
DRAWN <i>K.I.W.</i>	COLUMBIA	DRAWING 3 of 3
CHECKED <i>RJS</i>	VILLAGE OF KINGS CONTRIVANCE SECTION 3 AREA 1	JOB NO. 78-1155
DATE May, 1979	HOWARD COUNTY, MARYLAND GITHLECTION DISTRICT FOR: COLUMBIA BUILDERS, INC. 606 American City Bldg. Columbia, Maryland 21044	FILE NO. 78-1155SE

SDP-79-143c