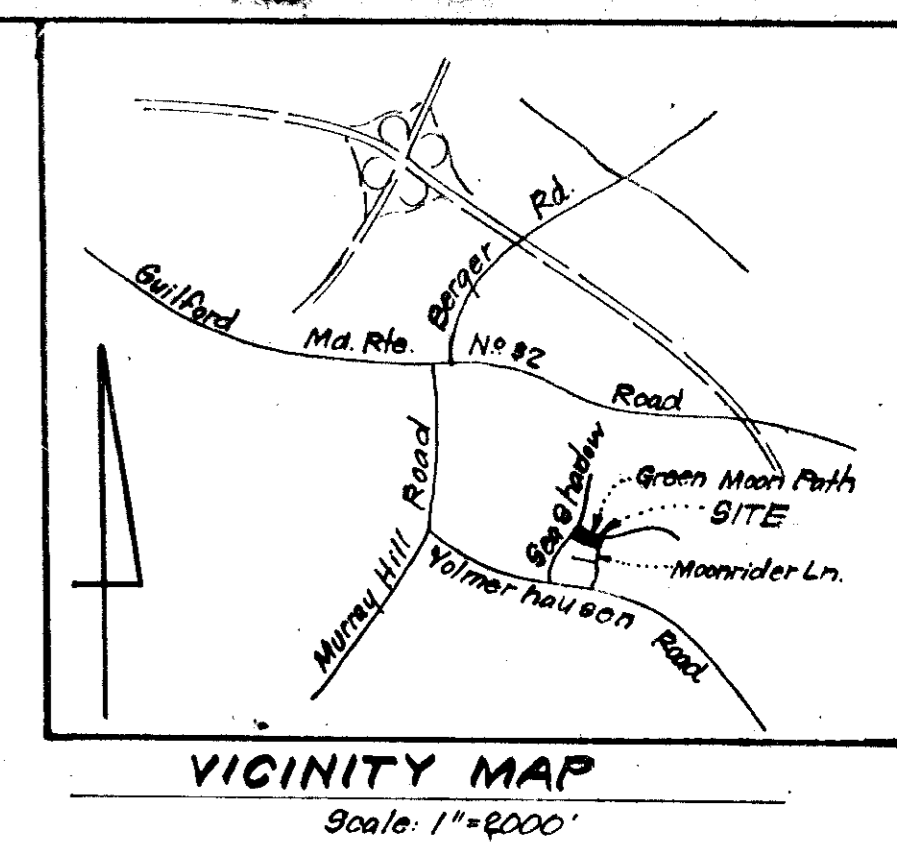
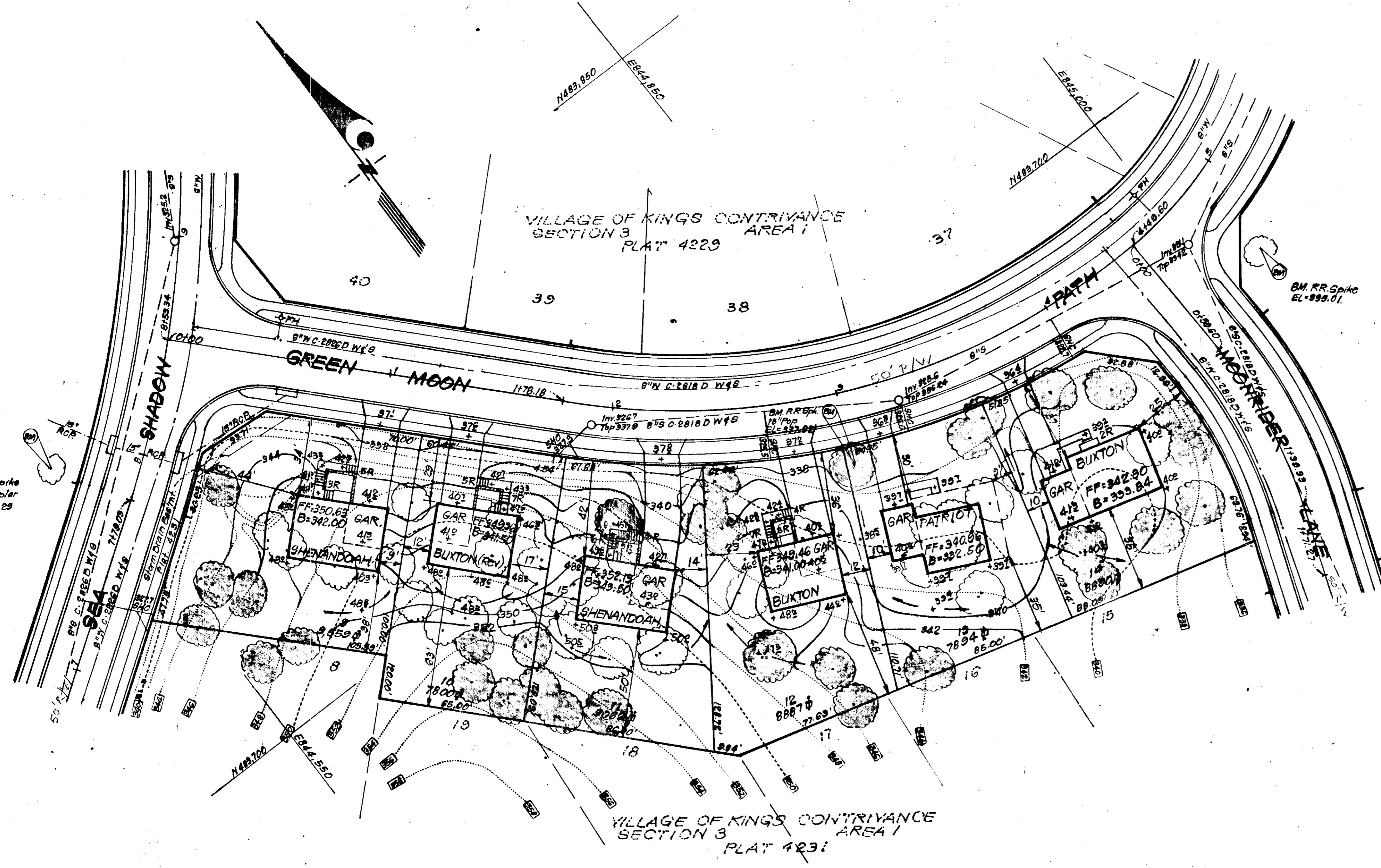
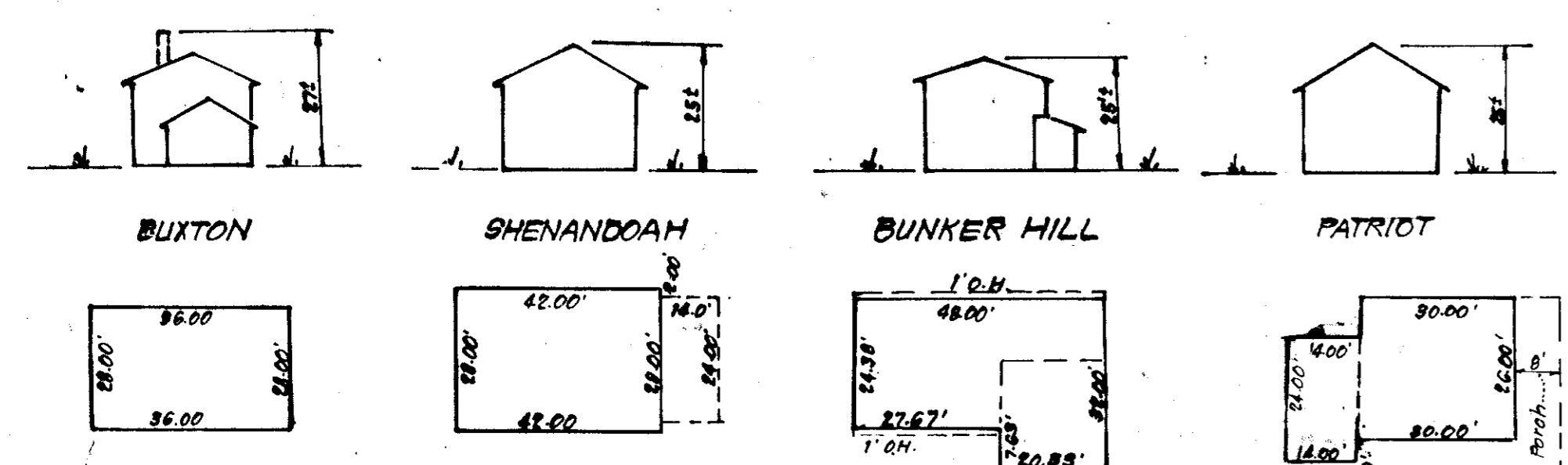


No.	REVISION	Date
1	Changed House Type & Grading on Lot 13	7-5-79

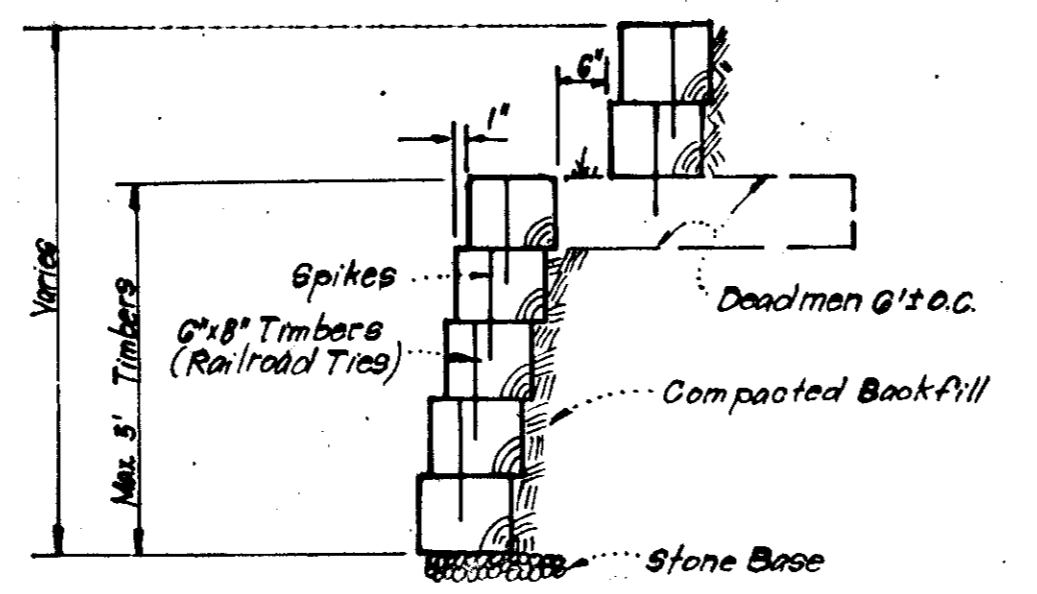


- GENERAL NOTES:**
- The Land included in this plan is zoned New Town (S.F.M.D.)
 - The Lots shown on this plan are covered by Final Development Plan Phase 100A-Part I, Plat No. 3054A, 1st. 176, Feb. 8, 1978.
 - All coordinates are based on traverse controls for Columbia established by Maps, Inc., in 1968 by Rulon & Veselka in 1968, which controls were tied to Maryland Bureau of Control Survey monuments and to U.S. Coast & Geodetic Survey monuments in the Columbia area.
 - The area covered in this submission is located on Tax Map #42.
 - The total area included on this plan is 1.20 Acres.
 - All roadways are public & existing.
 - Any damage to county owned rights of way shall be corrected at the developer's expense.

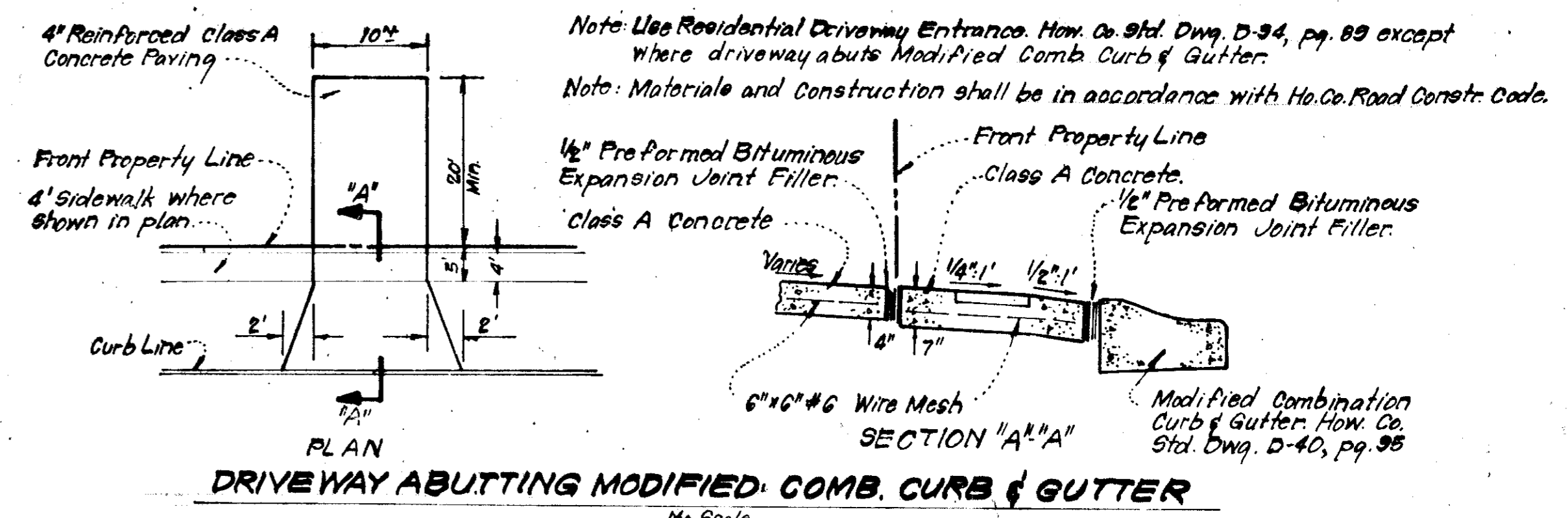
- LEGEND:**
- Contour Interval 2 Ft.
 - Existing Contour - - - - -
 - Proposed Contour - - - - -
 - Spot Elevation + 402
 - Direction of Drainage →
 - Exist. Trees to be retained
 - Retaining Wall



TYPICAL HOUSES
No Scale



TIMBER RETAINING WALL
No Scale



DRIVEWAY ABUTTING MODIFIED COMB. CURB & GUTTER
No Scale

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
Joseph Boyden 7-16-79
DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR DATE
CHIEF DIVISION OF LAND DEVELOPMENT DATE 7/16/79

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

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 6-21-79
JWM

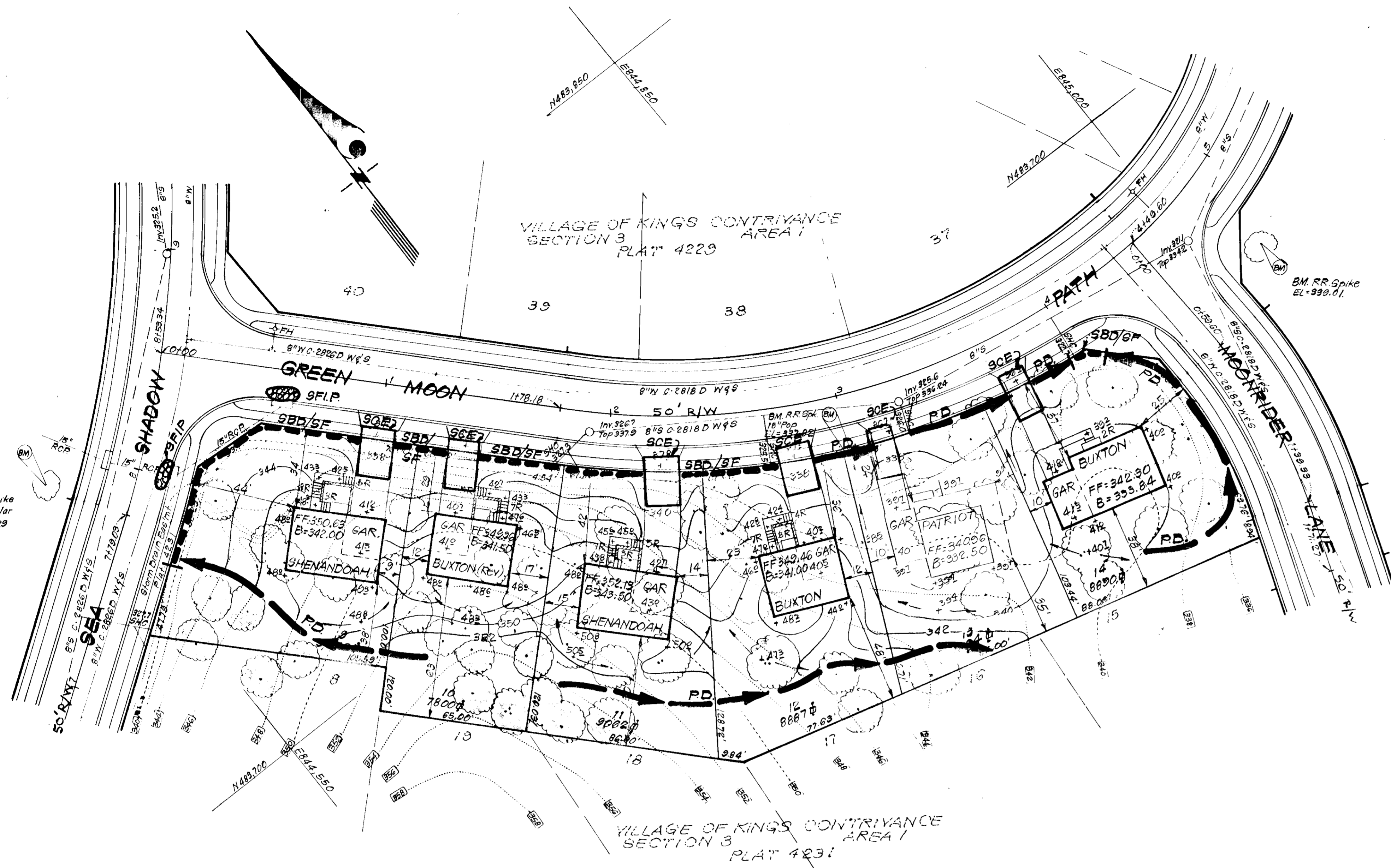
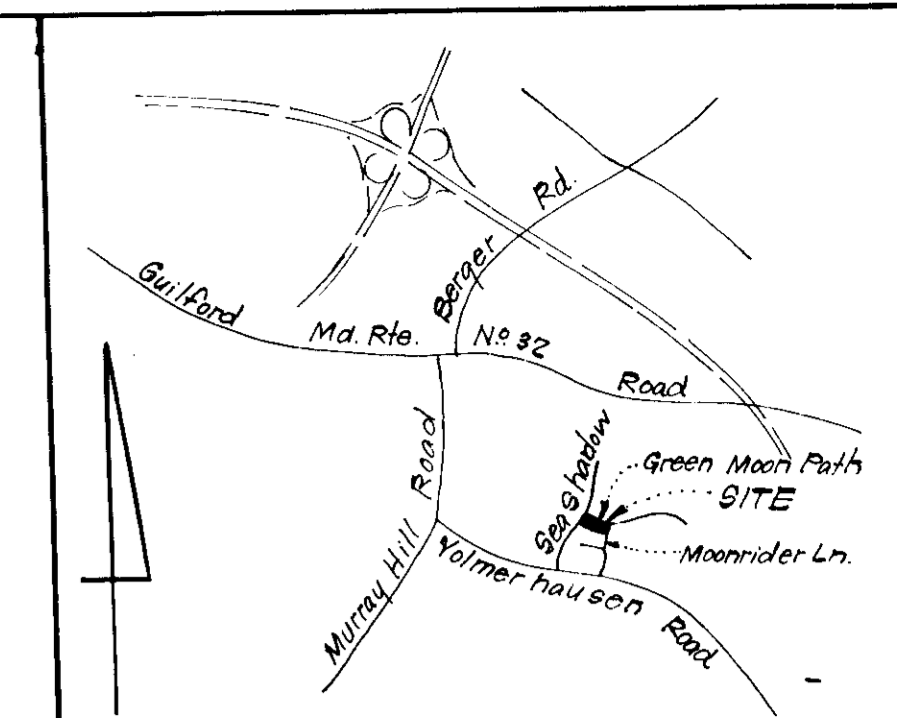
Richard S. Sackett

Note: For Bearings & Distances not shown see Plat. 429.

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 583 3400		
DESIGNED W.R.M.S. R.C.H.	SITE DEVELOPMENT PLAN LOTS 9 THRU 14 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 3 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: U.D. EVANS, Suite 105 11065 Little Patuxent Pkwy. Columbia, Md. 21044	SCALE 1"=30'
DRAWN K.I.W.	JOB NO. 79-044	DRAWING 10P3
CHECKED W.R.M.S.	FILE NO. 79-044-X	
DATE May, 1979		

SDF: 79-154.C

6 LOTS



- LEGEND:**
- 1. Contour Interval 2 FT
 - 2. Existing Contour 340
 - 3. Proposed Contour 340
 - 4. Spot Elevation +40±
 - 5. Direction of Drainage
 - 6. Exist. Trees to be retained
 - 7. Retaining Wall
 - 8. Perimeter Dike
 - 9. Straw Bale Dike/Gilt Fence
 - 10. Stone Filter Inlet Protection
 - 11. Stone Construction Entrance

Reviewed for Howard S.C.D.
 Name
 and meets Technical Requirements
 Signature [Signature] Date 7-79
 U.S. Soil Conservation Service

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

William J. Rome 7-6-79
 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.

J.D. Evans 5-22-79
 Date

Note: For Bearings & Distances not shown see Plat 4231

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 7-16-79
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] 7-16-79
 PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 7-16-79
 DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING 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] 5-22-79
 G. Nelson Clark Date



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

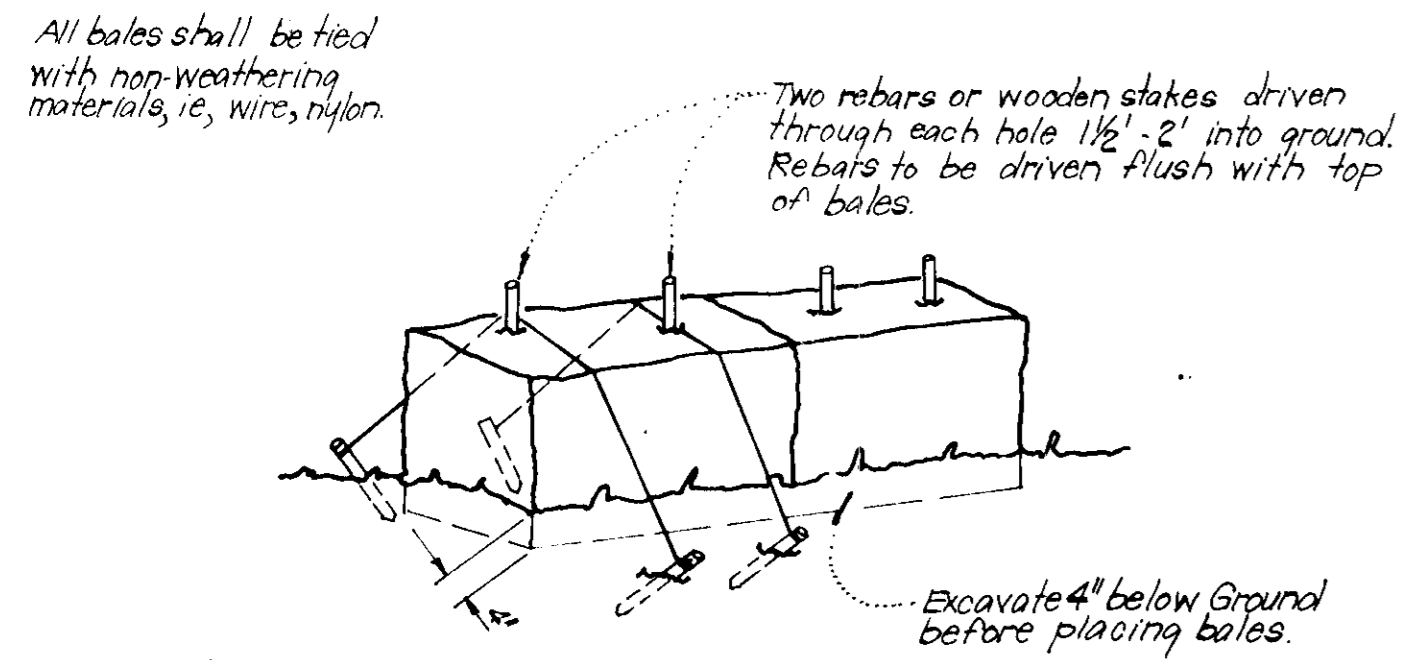
DESIGNED	R.U.S.	SCALE	1"=30'
DRAWN	R.U.S.	DRAWING	20P3
CHECKED	R.U.S.	JOB NO.	79-044
DATE	May, 1979	FILE NO.	79-044/9E

SEDIMENT & EROSION CONTROL PLAN
 LOTS 9 THRU 14
COLUMBIA
 VILLAGE OF KINGS CONTRIVANCE SECTION 3 AREA 1
 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 FOR: J.D. EVANS, Suite 105, 11065 Little Patuxent Pkwy, Columbia, Md 21044
 SDP-79-154

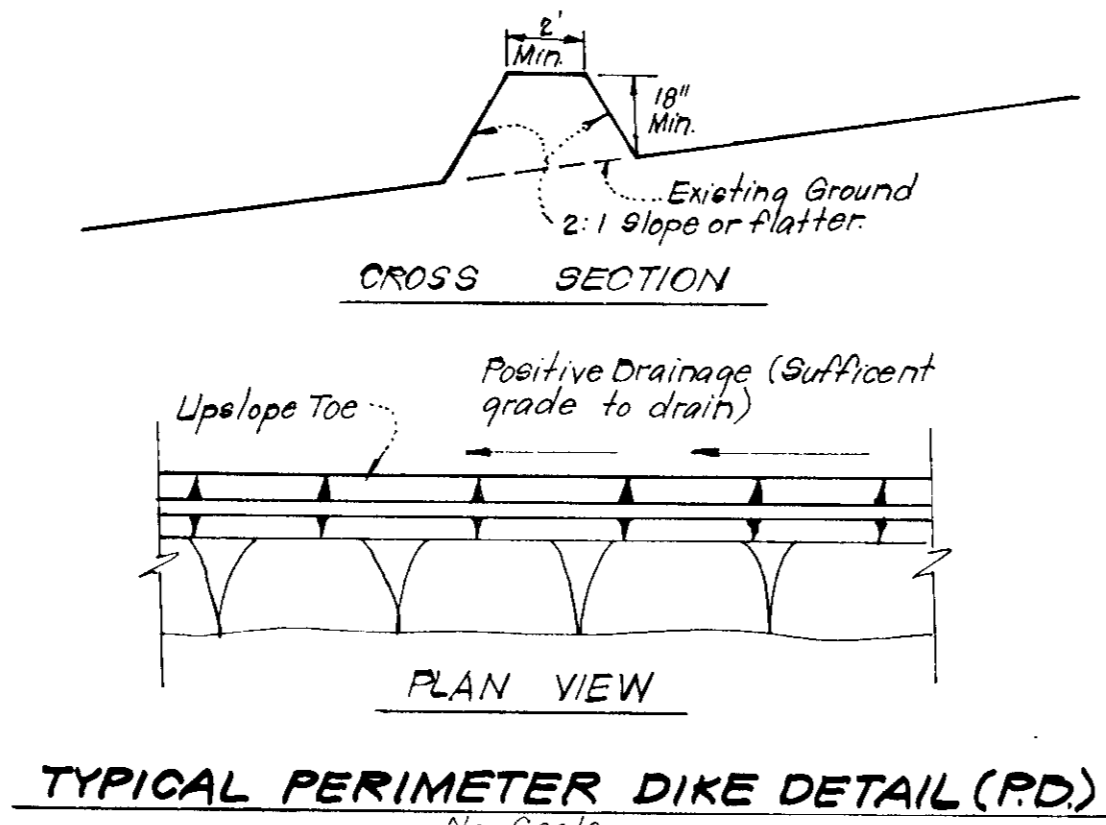
GENERAL NOTES

- 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 9/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 = 255 LF
- SITE ANALYSIS:**

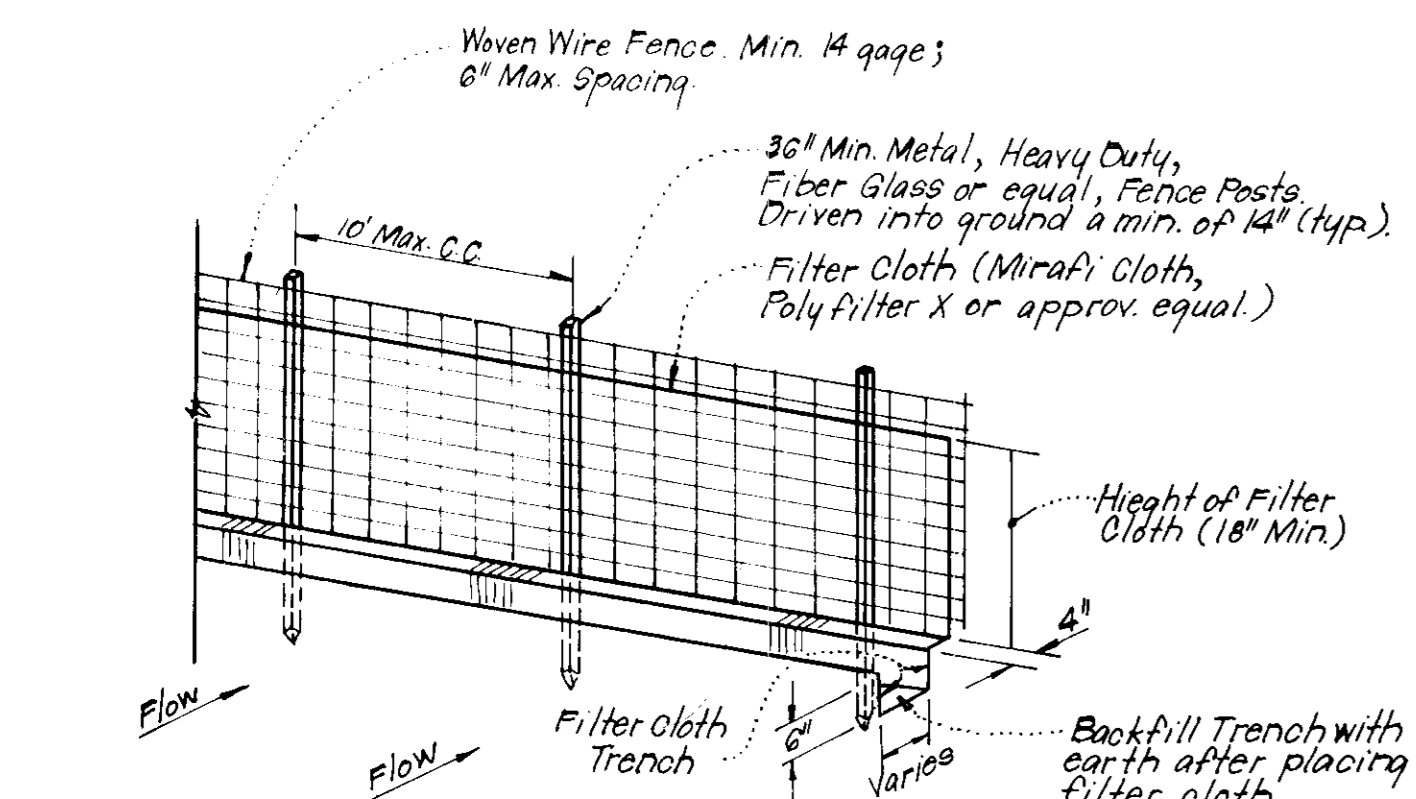
A. Total Area:	1.20	Acres
B. Area to be Roofed:	0.15	Acres
C. Area to be Paved:	0.07	Acres
D. Area to be Seeded:	0.67	Acres
E. Area Undisturbed:	0.31	Acres
- CONSTRUCTION SEQUENCE:**
 - Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes.
 - Excavate for Foundations and Rough Grade.
 - 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.



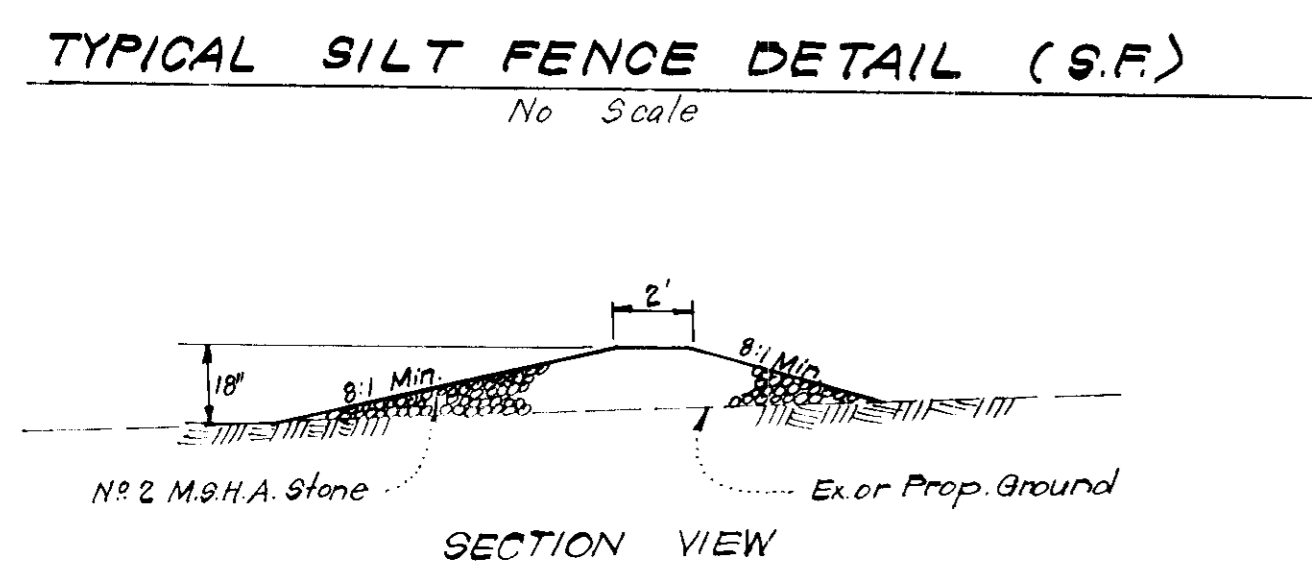
TYPICAL STRAW BALE DIKE DETAIL (S.B.D.)
No Scale



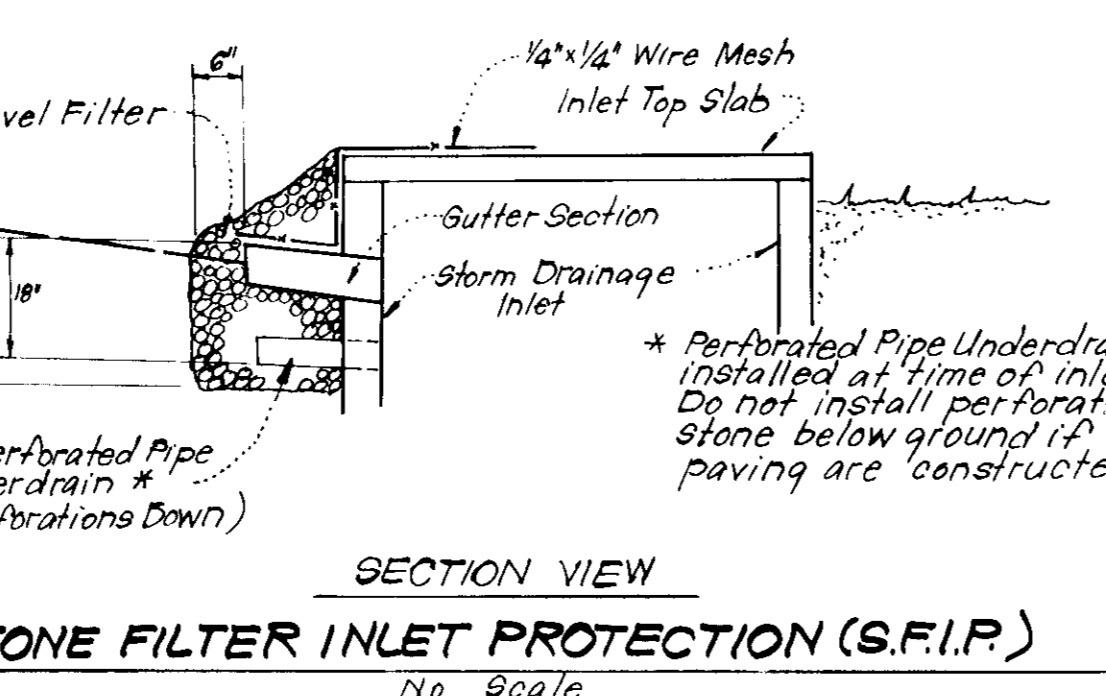
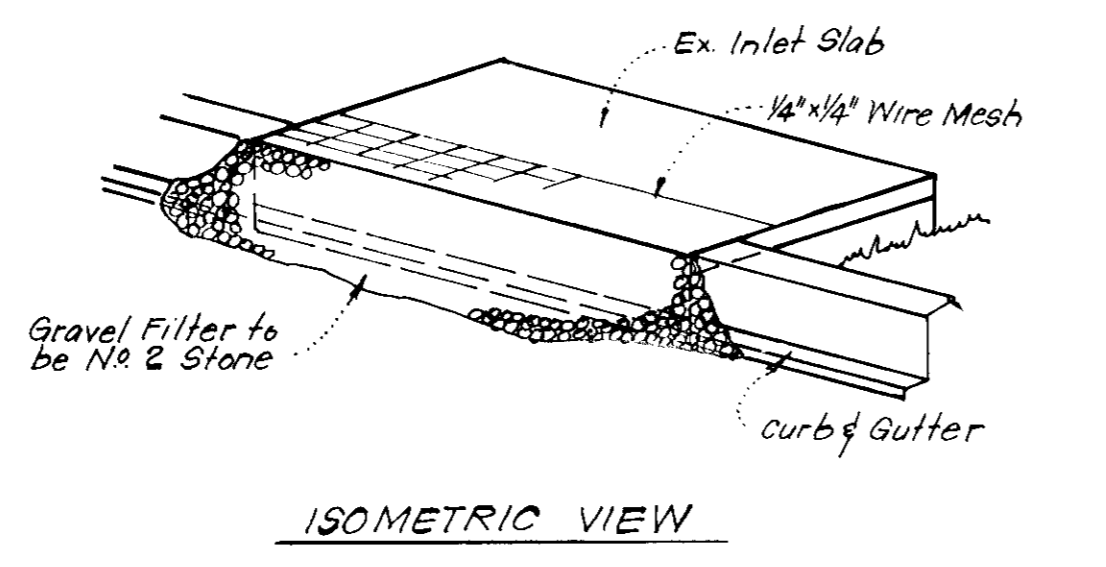
TYPICAL PERIMETER DIKE DETAIL (P.D.)
No Scale



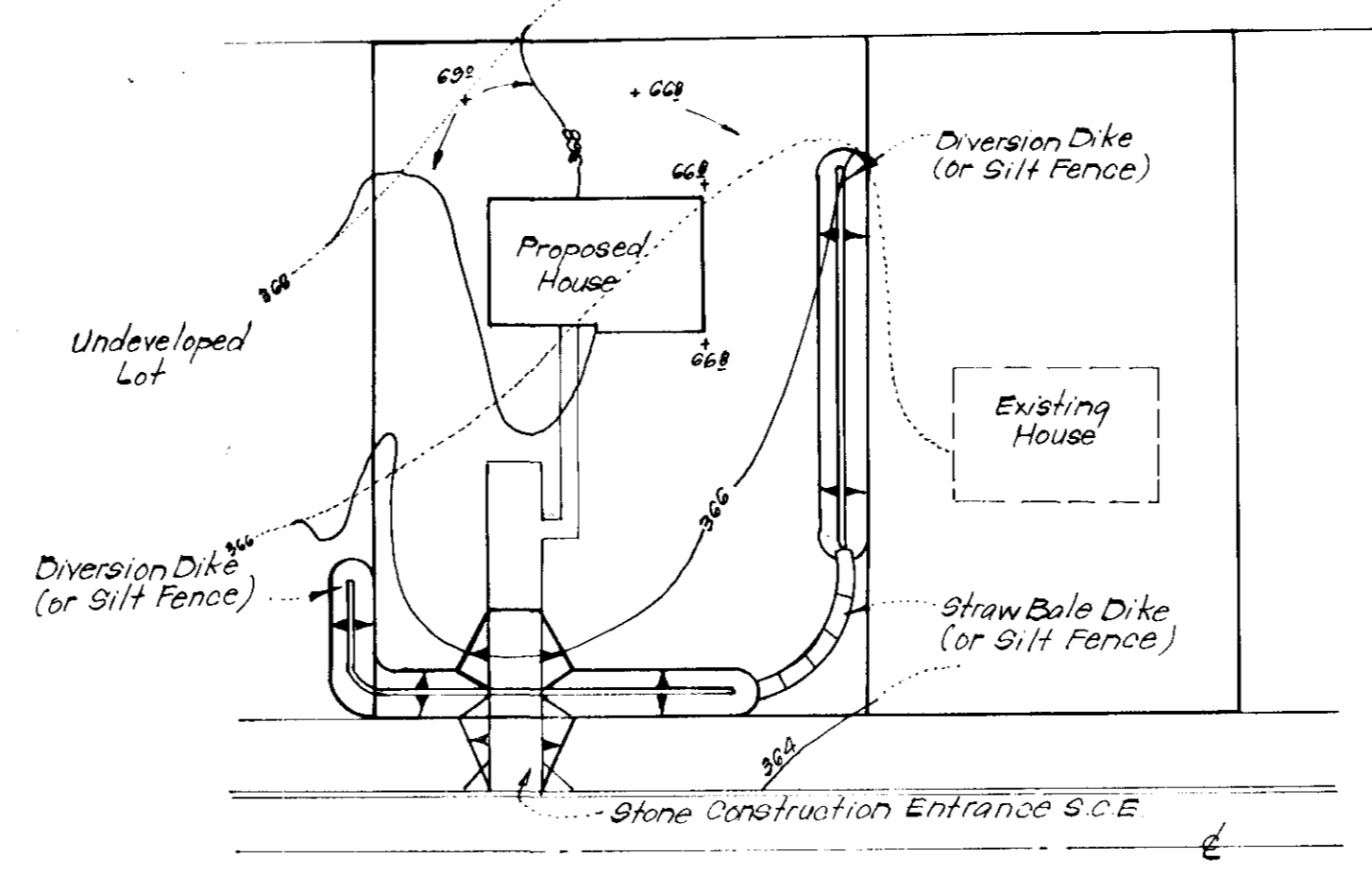
TYPICAL SILT FENCE DETAIL (S.F.)
No Scale



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



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



TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
No Scale

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY ALTH. OFFICER James Borden DATE 7-16-79
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR John H. Miller DATE 7-16-79
 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 Dr. William H. Hilliard DATE 7/21/79
 CHIEF BUREAU OF ENGINEERING

Reviewed for HOWARD S.C.D. Name
and meets Technical Requirements
 Signature William T. Rowe Date 7-6-79
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

William T. Rowe Approved 7-6-79 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.

J. D. Evans Signature 5-22-79 Date
 J. D. Evans

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.

G. Nelson Clark Signature 5-22-79 Date
 G. Nelson Clark

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE 6-21-79
J. Hill



CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LUXWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 583-3400		
DESIGNED	R.J.S.	SCALE
DRAWN	R.J.S.	As Shown
CHECKED	K.I.W.	DRAWING
DATE	R.J.S.	3 of 3
May, 1979		JOB NO.
		FILE NO.
		79-044 SE

SDP-79-154