

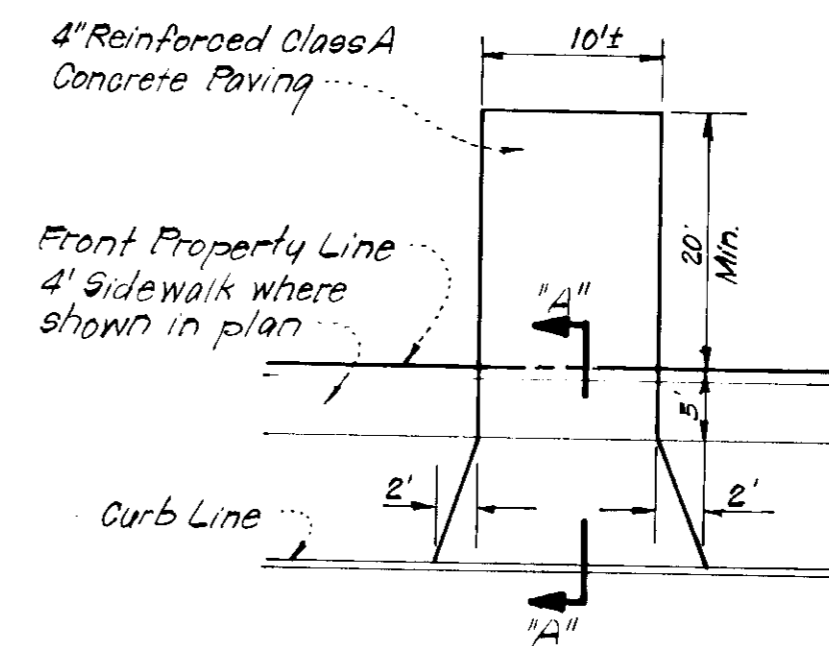
VICINITY MAP
Scale: 1"=2000'

GENERAL NOTES:

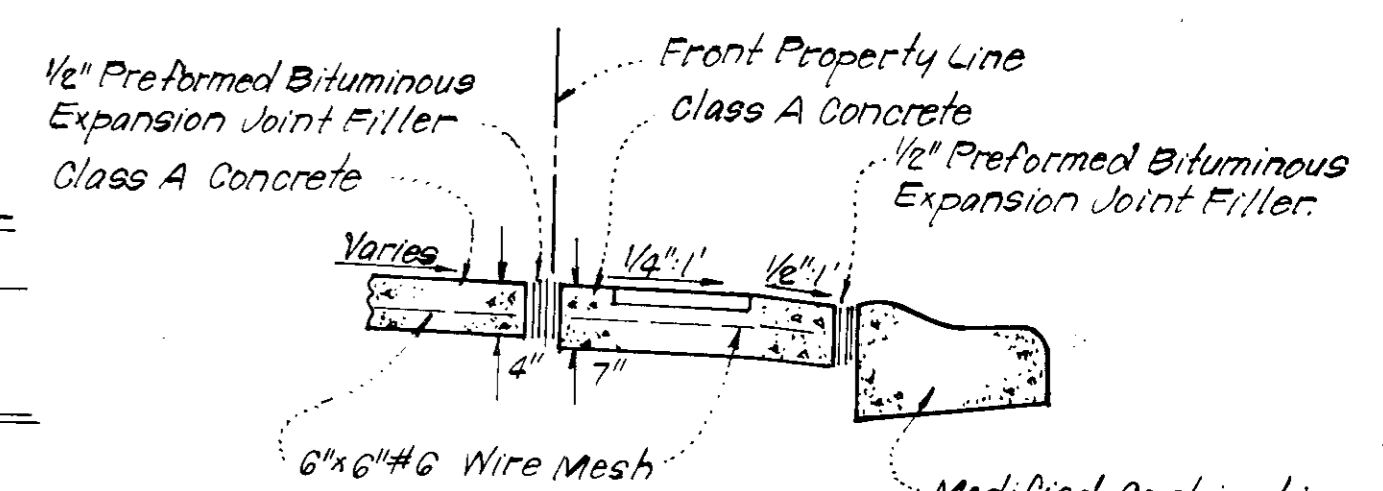
1. The Land included in this plan is zoned New Town (S.F.M.D.)
2. The Lots shown on this plan are covered by Final Development Plan Phase 163A-Part I, Plat No 3054A, 162-176, Feb 8, 1979.
3. All coordinates are based on traverse controls for Columbia established by Maps (no. in 1968 by Purdum & Veechke 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.
4. The area covered in this submission is located on Tax Map #42.
5. The total area included on this plan is 2.611 Acres
6. All roadways are public & existing.
7. Any damage to county owned rights of way shall be corrected at the developer's expense.

LEGEND:

1. Contour Interval 2 Ft.
2. Existing Contour 310
3. Proposed Contour 310
4. Spot Elevation +108
5. Direction of Drainage
6. Exist. Trees to be retained
7. Walk-Out Basement

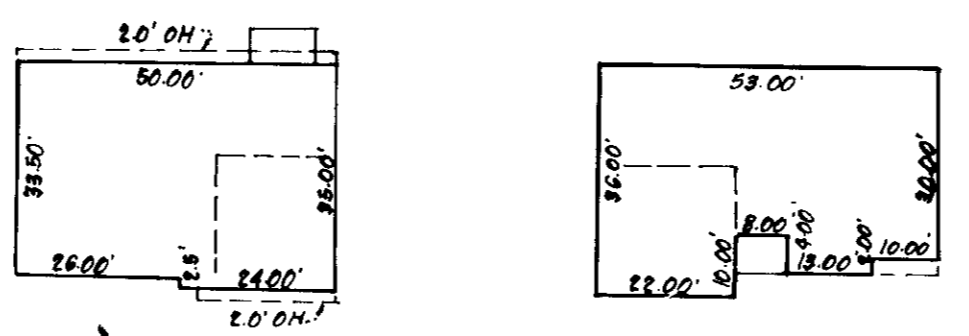


Note: Use Residential Driveway Entrance, Howard Co. Std. Dwg. D-34, pg. 83 except where driveway abuts Modified Comb. Curb & Gutter



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

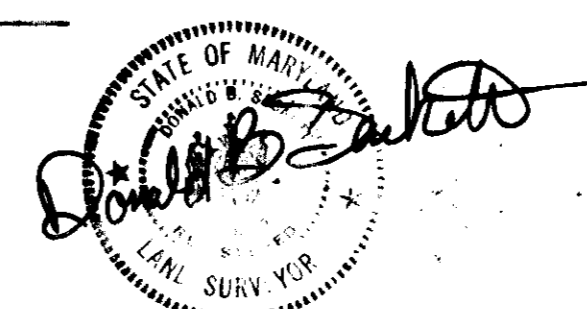
PLAN DRIVEWAY ABUTTING MODIFIED COMB. CURB & GUTTER
No Scale



TYPICAL HOUSES
No Scale

APPROVED
DIVISION OF LAND DEVELOPMENT

HOWARD COUNTY, MARYLAND
DATE 6-5-79



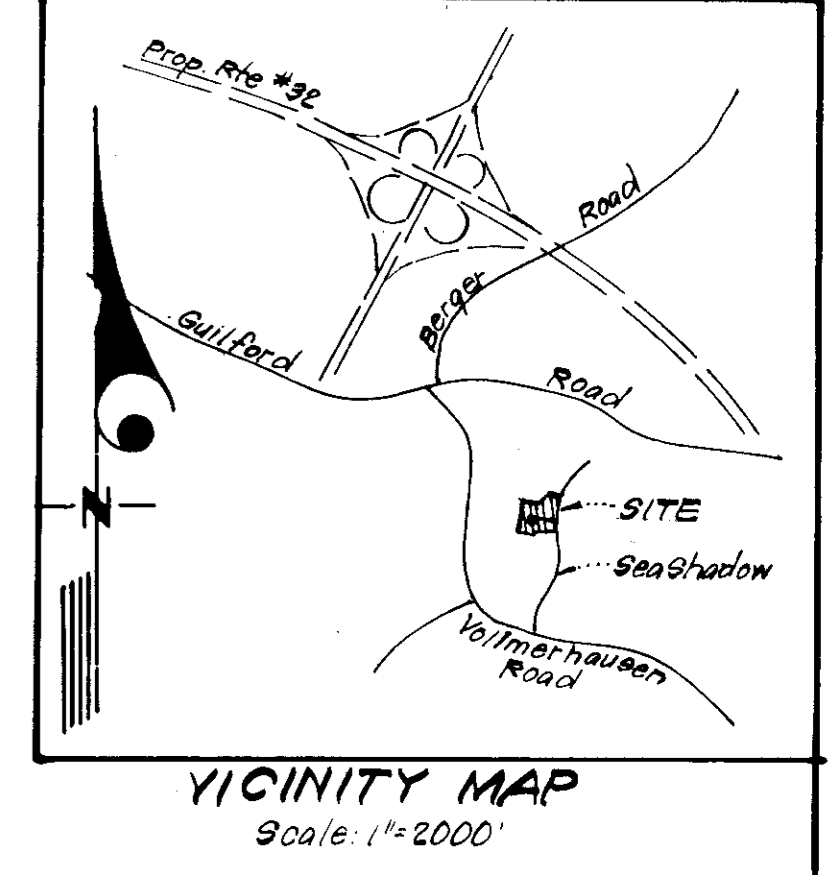
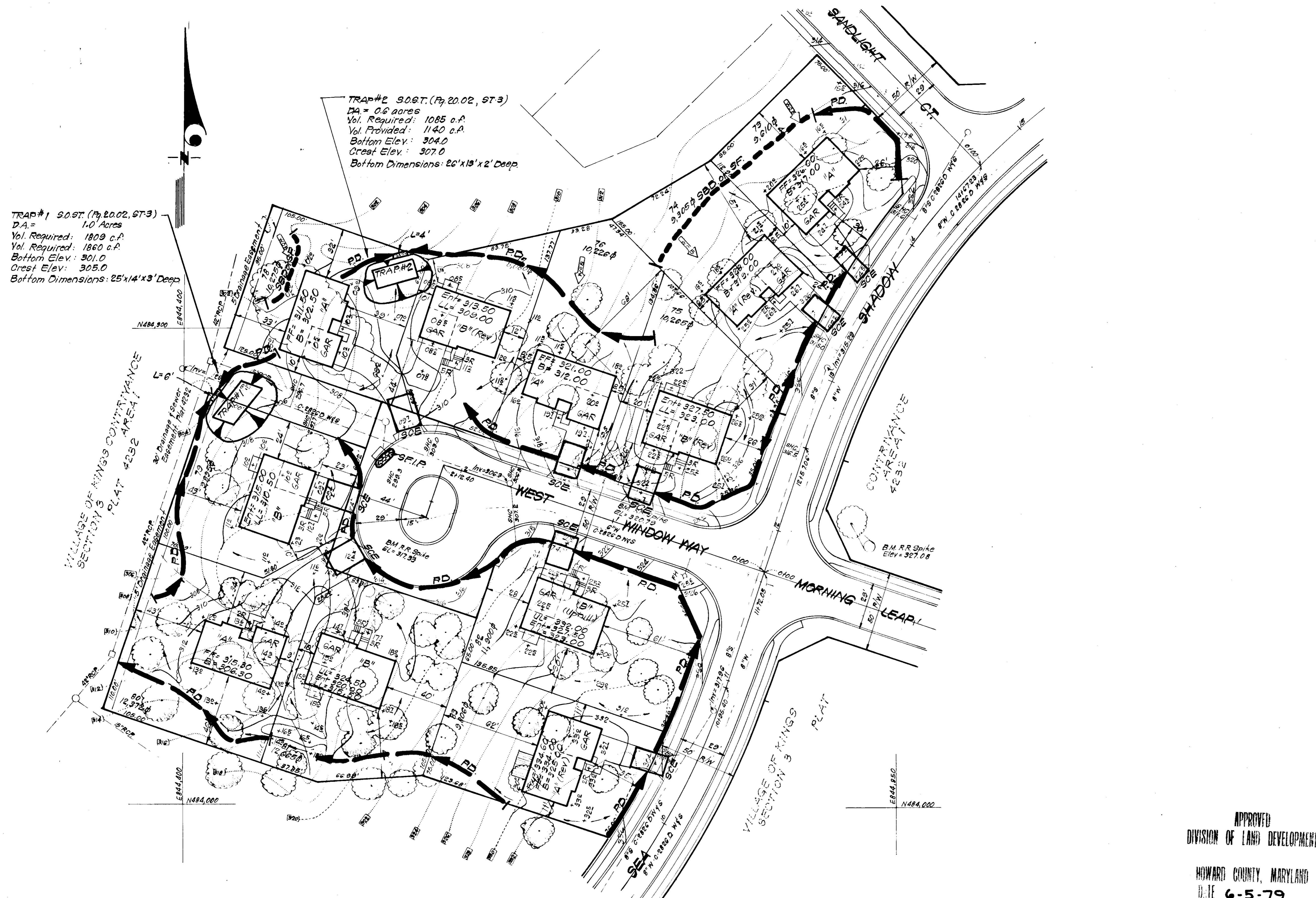
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
Joseph M. Borglum 6-26-79
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
Thomas J. Tamole 6-28-79
PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. J. K. K... 6-27-79
DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. J. K. K... 6-21-79
CHIEF BUREAU OF ENGINEERING DATE

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400		
DESIGNED	W.R.M.G.	SCALE 1"=30'
DRAWN	K.L.W.	DRAWING 1043
CHECKED	W.R.M.G.	JOB NO.
DATE	Apr. 1979	FILE NO. 79-036-X
SITE DEVELOPMENT PLAN LOTS 73 THRU 83 COLUMBIA VILLAGE OF KINGS CONTRIVANCE AREA 1 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: ALAN HOMES, INC. 8715 1st Avenue, Apt 119 Silver Spring, Md. 20910		



- LEGEND:**
- Contour Interval: 2 Ft.
 - Existing Contour: ---
 - Proposed Contour: - - -
 - Spot Elevation: +10E
 - Direction of Drainage: →
 - Exist. Trees to be retained: (Tree symbol)
 - Walk-Out Easement: (Arrow symbol)
 - Perimeter Dike: PD
 - Straw Bale Dike or Silt Fence: S.B.D. or S.F.
 - Stone Filter Inlet Protection: S.F.I.P.
 - Stone Construction Entrance: (Stone symbol)
 - Sediment Trap: (Trap symbol)

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE: 6-5-79
 JMM

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 6-26-79
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: *[Signature]* DATE: 6-28-79
 CHIEF DIVISION OF LAND DEVELOPMENT: *[Signature]* DATE: 6-27-79
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 6-28-79
 CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 6-27-79

Reviewed for: **HOWARD** S.C.D.
 and meets technical requirements
 of the Soil Conservation District
 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 in accordance with the plan and
 all plans for the site are in accordance with the
 authorized regulations of the District or that authorized agencies
 as are necessary. Easements from this plan
 will not be made unless authorized by the
 Soil Conservation District.

[Signature] 6/10/79
 Date

ENGINEER'S CERTIFICATE

I hereby certify that this plan for the site and
 all plans for the site are in accordance with the
 authorized regulations of the District or that authorized agencies
 as are necessary. Easements from this plan
 will not be made unless authorized by the
 Soil Conservation District.

[Signature] 5/8/79
 Alan Washack
 Date

[Signature] 5-1-79
 G. Nelson Clark
 Date



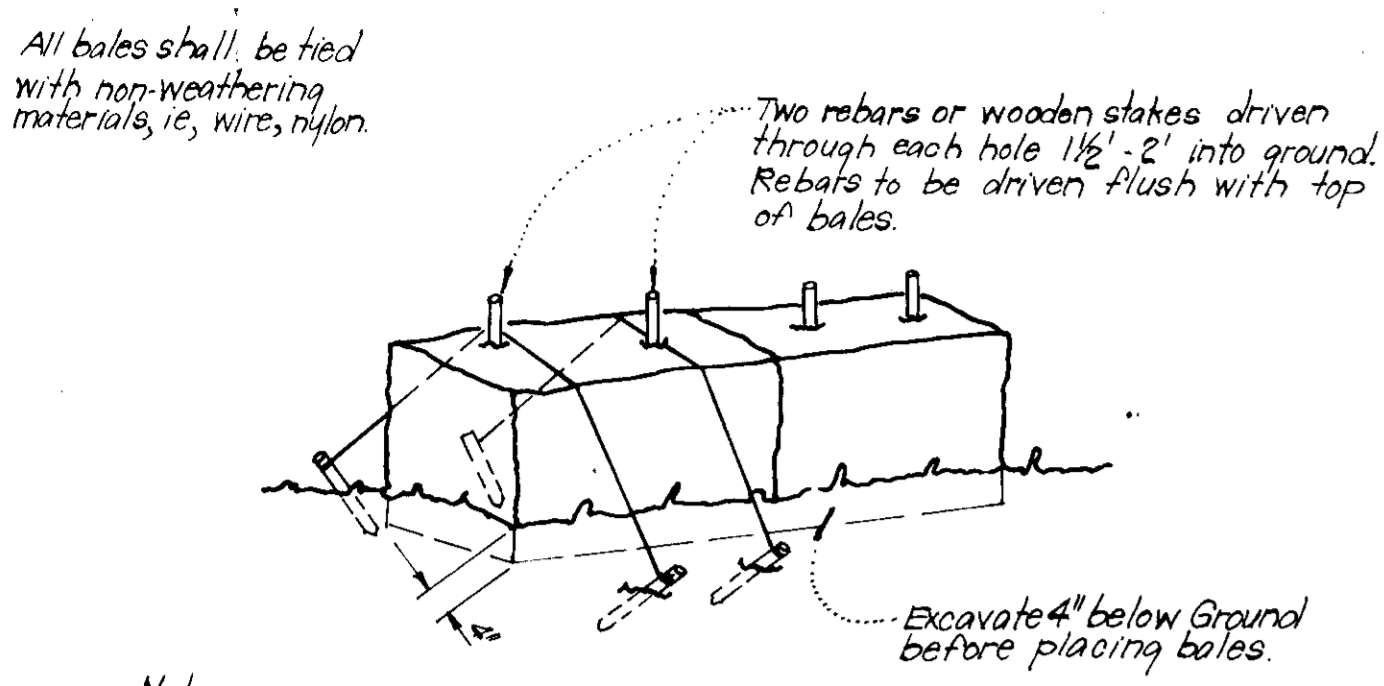
For: Bearings & Distances for Individual Lots, See Plat 4232

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11335 LUCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400	
DESIGNED BY: R.J.S.	SCALE: 1"=30'
DRAWN BY: K.I.W.	DRAWING NO.: 2 of 3
CHECKED BY: R.J.S.	JOB NO.:
DATE: APR. 1979	FILE NO.: 79-036-9E
SEDIMENT & EROSION CONTROL PLAN LOTS 73 THRU 83 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 3 AREA 1 8th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: ALAN HOMES, INC. 8715 1st Avenue, Apt. 119 Silver Spring, Md. 20910 SDP-79-139.	

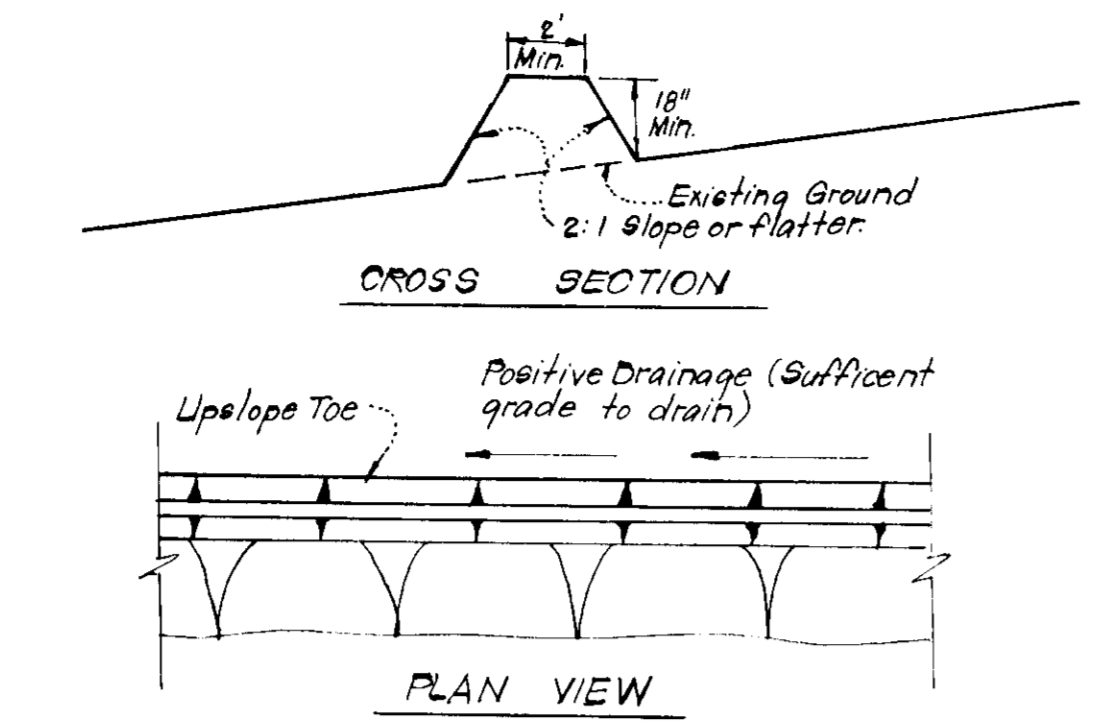
GENERAL NOTES

- 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 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.
- 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 = 190 LF
- SITE ANALYSIS:**

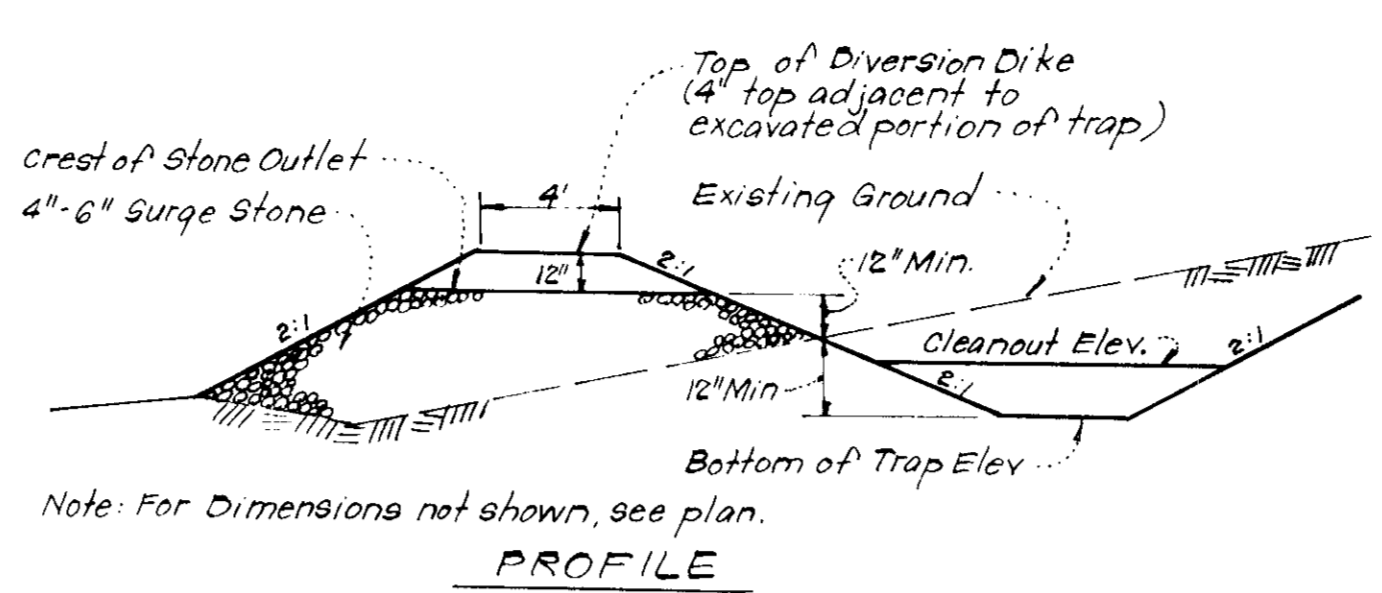
A. Total Area:	<u>2.61</u>	Acres
B. Area to be Roofed:	<u>0.40</u>	Acres
C. Area to be Paved:	<u>0.15</u>	Acres
D. Area to be Seeded:	<u>1.54</u>	Acres
E. Area Undisturbed:	<u>0.52</u>	Acres
- CONSTRUCTION SEQUENCE:**
 - Install Sediment & Erosion Control Devices and Stabilize Diversion Dikes.
 - Excavate 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



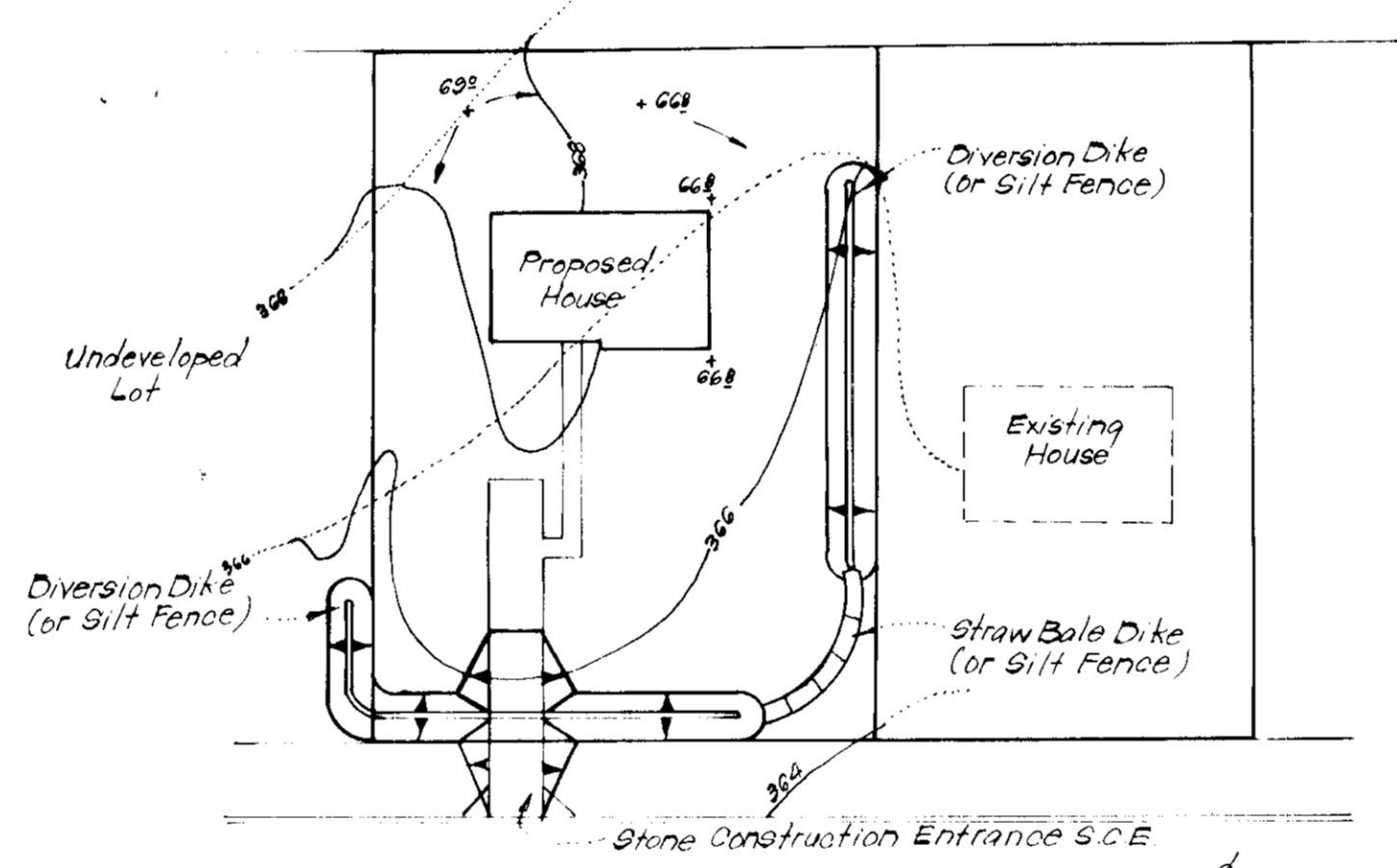
TYPICAL PERIMETER DIKE DETAIL (P.D.)
No Scale



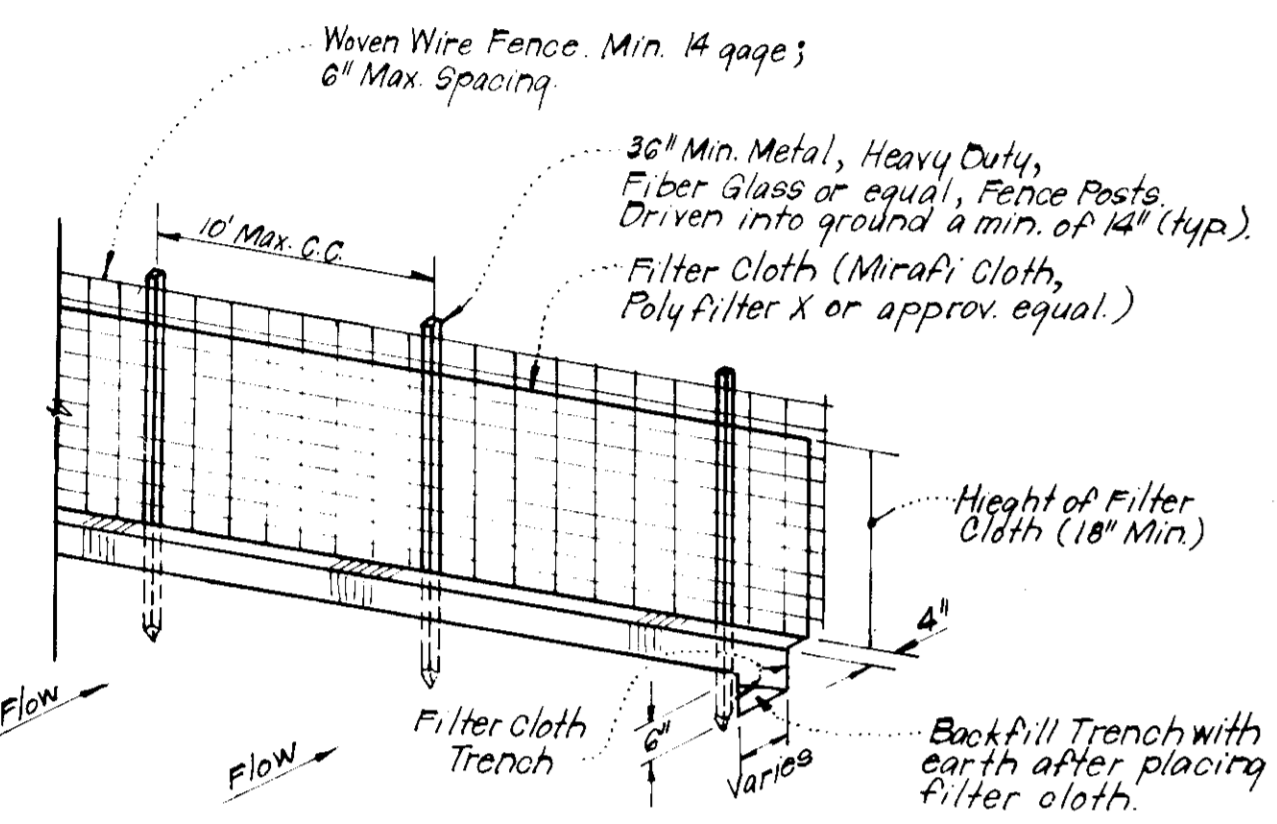
DETAILS OF STONE FILTER OUTLET (FOR STONE OUTLET SEDIMENT TRAP)
No Scale

- 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.

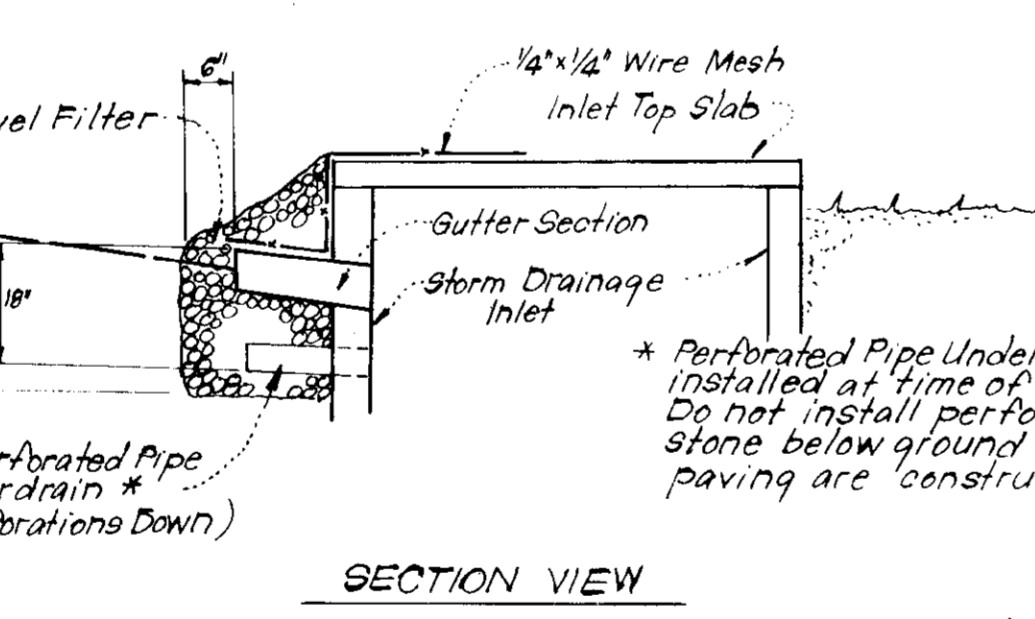
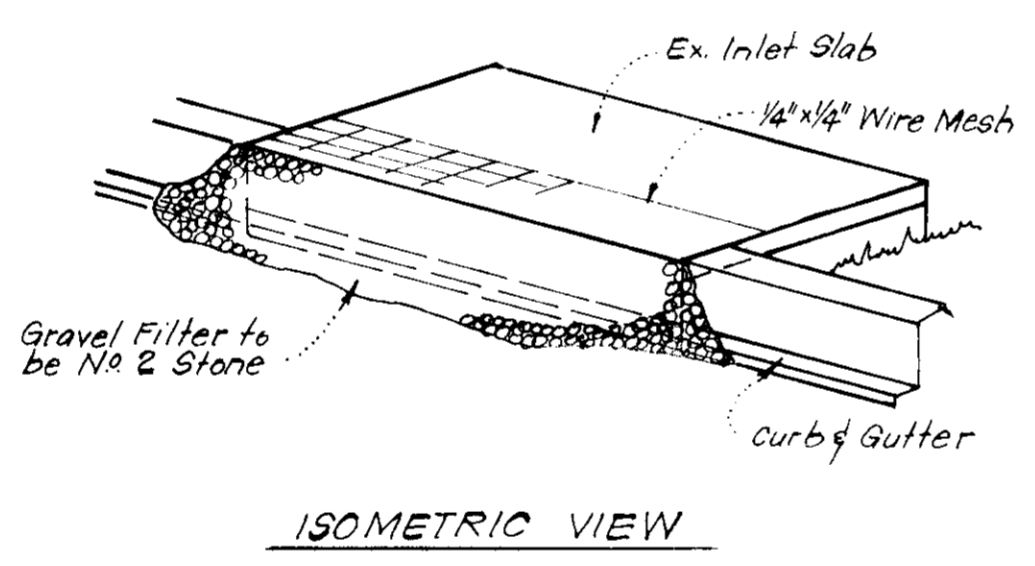
TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
No Scale



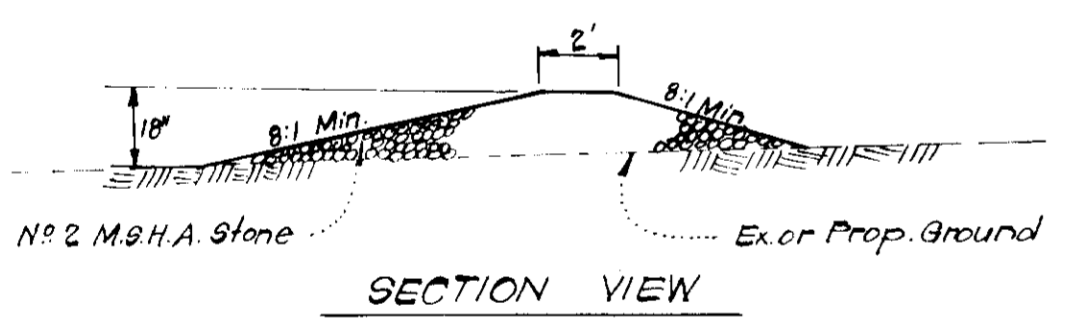
TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
No Scale



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



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



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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 6-26-79
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 6-28-79
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 6-21-79

Reviewed for **HOWARD** S.C.D.
Name: **Wanda B. Smith**
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 Zehn 6/10/79
Alan Haddock 5/8/79

Alan Haddock 5/8/79
G. Nelson Clark 5-1-79



APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE: 6-5-79
JMM

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
1101 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: R.J.S.	SEDIMENT & EROSION CONTROL PLAN LOTS 73 THRU 83 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 3 AREA 1 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE: As Shown
DRAWN: K.I.W.		DRAWING: 3 of 3
CHECKED: R.J.S.		JOB NO.:
DATE: Apr, 1979		FILE NO.:
		FOR: ALAN HOMES, INC. 8715 1st Avenue, Apt. 119 Silver Spring, Md. 20910

SDP-79-139