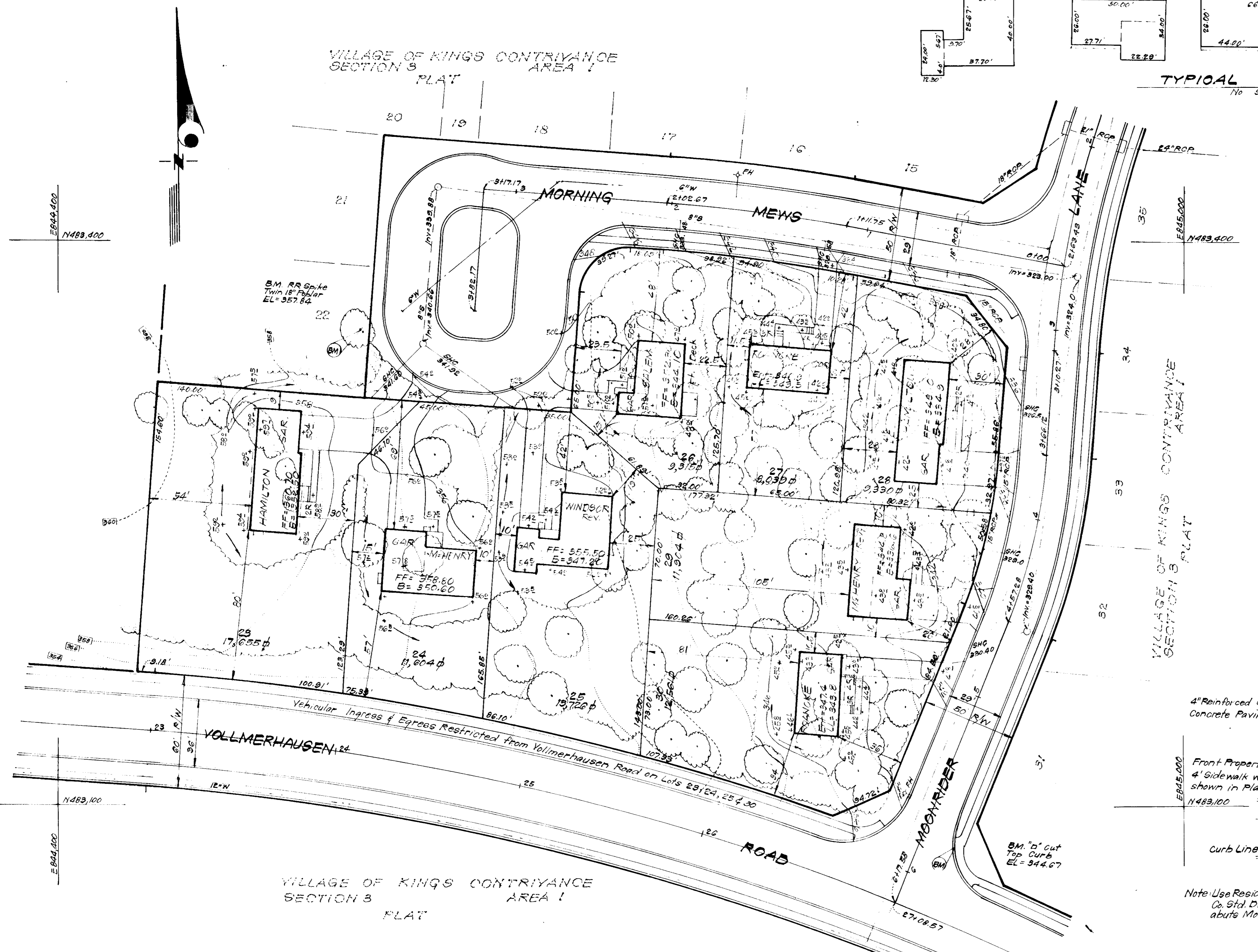


VILLAGE OF KINGS CONTRIVANCE SECTION 3 PLAT AREA 1

TYPICAL HOUSES No Scale

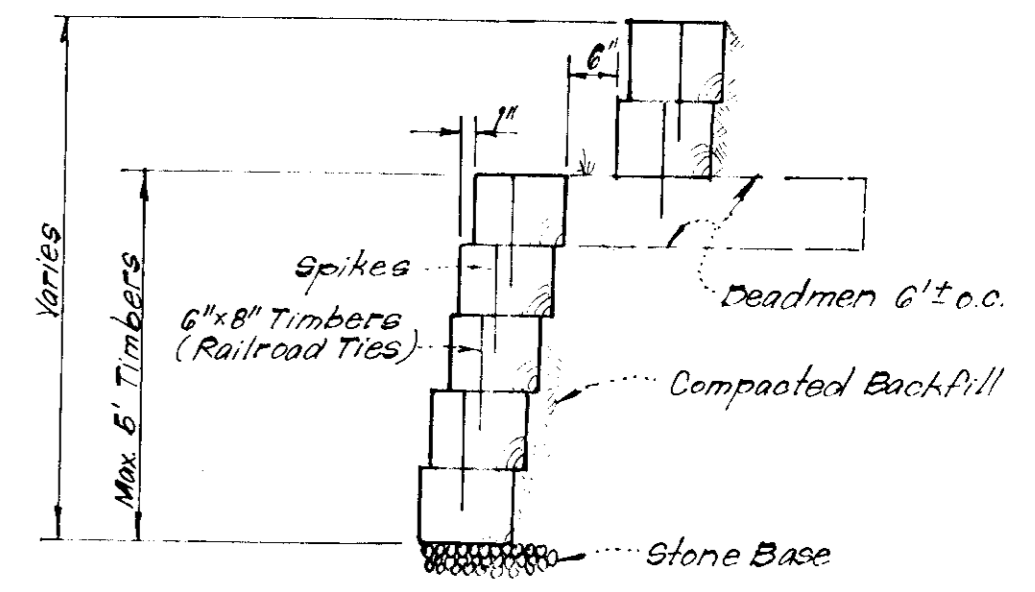


GENERAL NOTES:

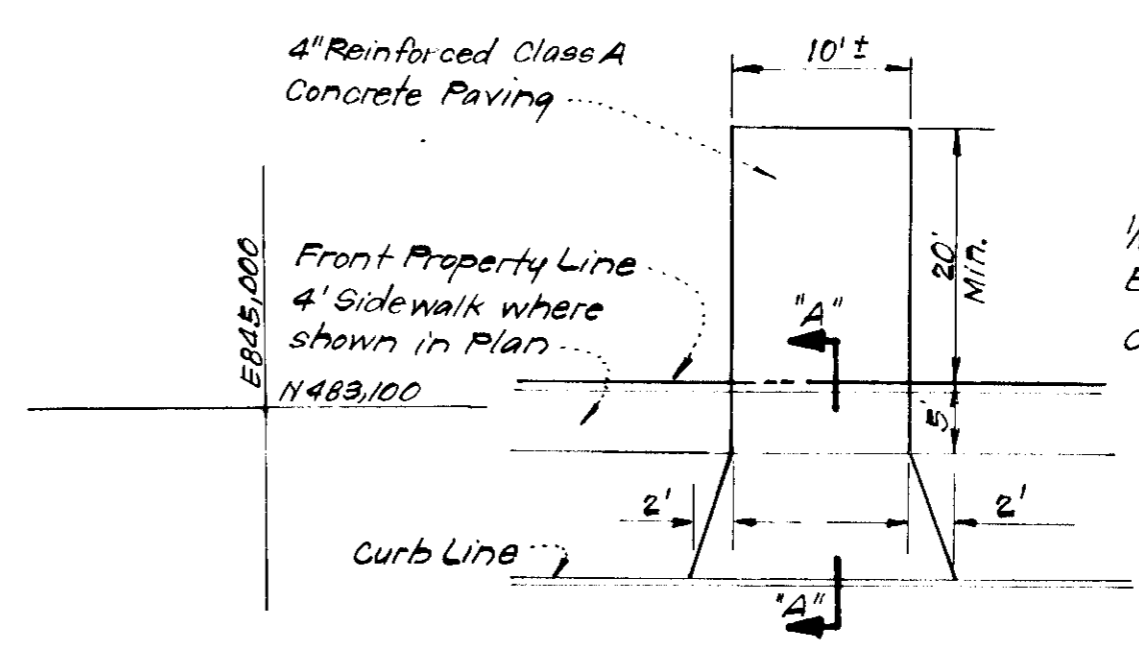
1. The Land included in this plan is zoned New Town (S.F.M.D.)
2. The Lots shown on this plan are covered by Final Development Plan Phase 163 recorded in Plat 3054 A Folios 126-140.
3. All coordinates are based on traverse controls for Columbia established by Maps, Inc. in 1965 by Purlum & Deschlein 1968 which controls were tied to Maryland Bureau of Control Surveys 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 in this plan is 2.161 Acres.
6. All road ways are public & existing.
7. Any damage to county owned rights of way or paving shall be corrected at the developer's expense.

LEGEND:

1. Contour Interval 2 Ft
2. Existing Contour 340
3. Proposed Contour 340
4. Spot Elevation +40.5
5. Direction of Drainage
6. Exist Trees to be Retained
7. Timber Retaining Wall

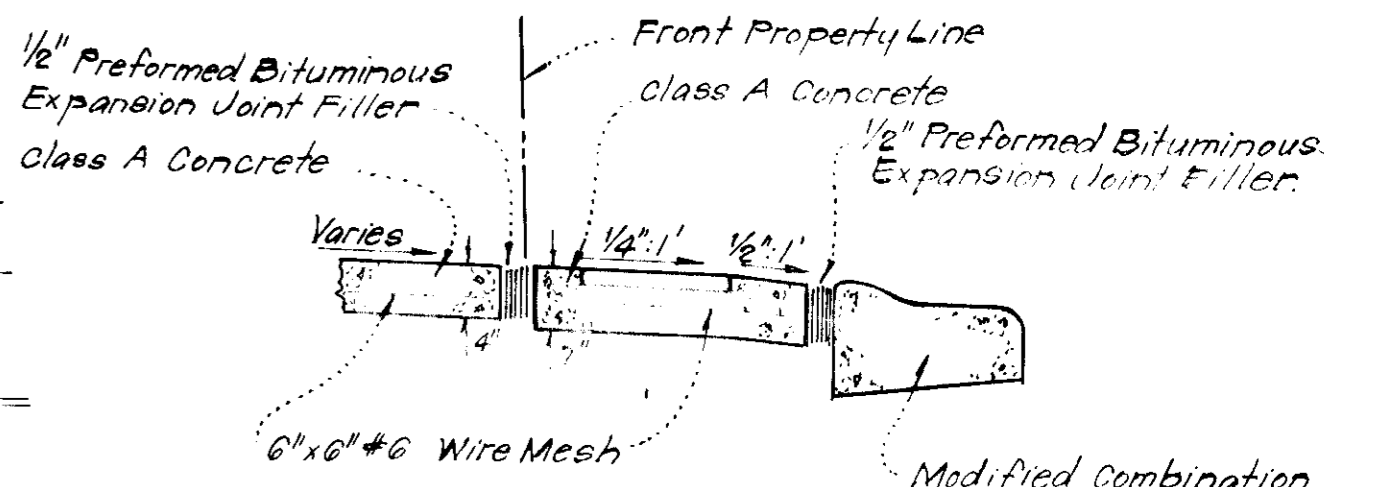


TIMBER RETAINING WALL No Scale



Note: Use Residential Driveway Entrance, Howard Co. Std. Dwg. D-34, pg. 80 except where driveway abuts Modified Comb Curb & Gutter.

DRIVEWAY ABUTTING MODIFIED COMB CURB & GUTTER No Scale



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

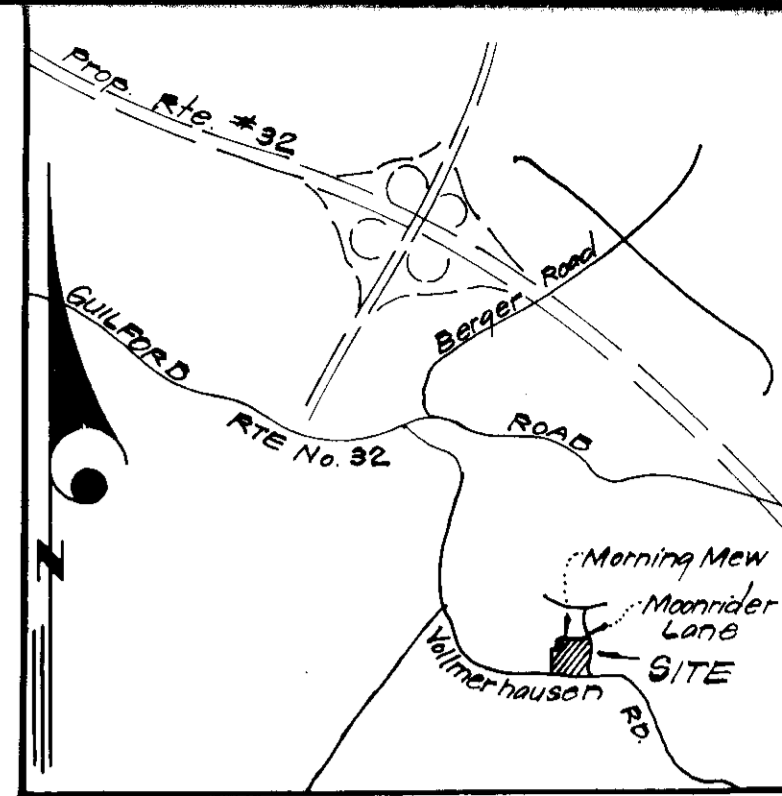
SECTION "A" "A" No Scale

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 3-15-79
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: [Signature] DATE: 3-15-79
 CHIEF DIVISION OF LAND DEVELOPMENT: [Signature] DATE: 3-12-79
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 3-12-79
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 3-12-79

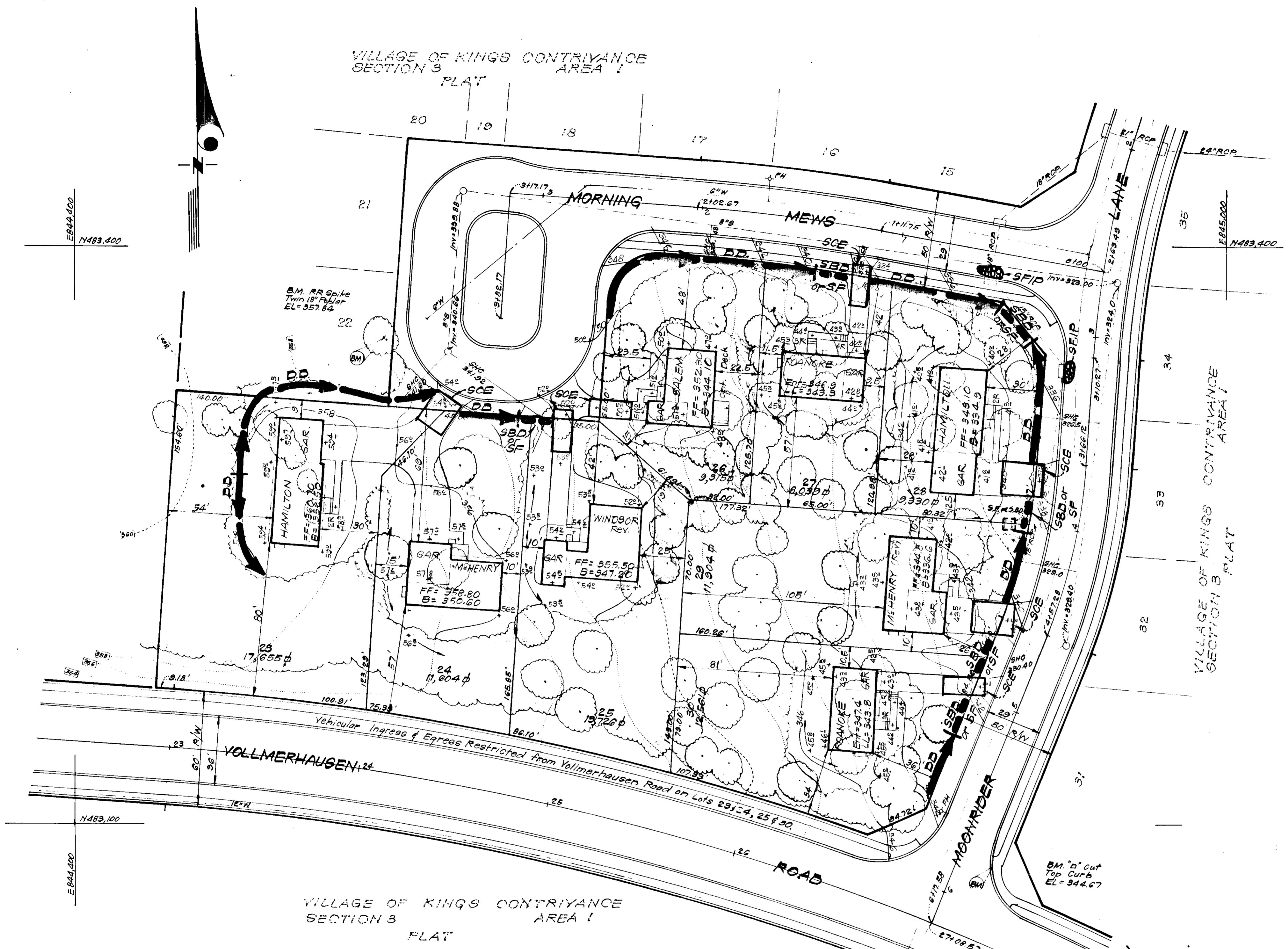
RECORDED IN P.B. #4227 & #4239 1-17-79

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 1125 W. KENWOOD DRIVE SILVER SPRING, MARYLAND 20904 301-583-3400

DESIGNED	DBS	SITE DEVELOPMENT PLAN LOTS 23 THRU 30 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 3 G11 ELECTION DISTRICT AREA 1 HOWARD COUNTY, MARYLAND FOR: The Ryland Group, Inc., Suite 200, V.O.M. Office Bldg., Columbia, Maryland 21043	SCALE	1"=30'
DRAWN	K.I.W.		DRAWING	104/3
CHECKED	DBS		JOB NO.	
DATE	Dec, 1978		FILE NO.	1392-X



VILLAGE OF KINGS CONTRIVANCE
SECTION 3
PLAT
AREA 1



VILLAGE OF KINGS CONTRIVANCE
SECTION 3
PLAT
AREA 1

- LEGEND:**
- 1. Contour Interval 2 Ft
 - 2. Existing Contour - (dashed line)
 - 3. Proposed Contour - (solid line)
 - 4. Spot Elevation +40'
 - 5. Direction of Drainage - (arrow)
 - 6. Exist Trees to be Retained - (circle with cross)
 - 7. Timber Retaining Wall - (hatched area)
 - 8. Diversion Dike - (line with 'D')
 - 9. Straw Bale Dikes & Silt Fence - (line with 'SBD' or 'CSF')
 - 10. Stone Filter Inlet Protection - (line with 'SFI.P')
 - 11. Stone Construction Entrance - (line with 'SCE')

Reviewed for Howard S.C.D.
and meets Technical Requirements
C. Wayne Day 1/31/79
Date
U.S. Soil Conservation Service

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

WES EPP Approved 1-31-79
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.

APPROVED
PLANNING BOARD
OF HOWARD COUNTY

DATE 1-17-79
JWM

Laurie B. Sargent 12-13-78
Signature Date
RECORDED IN 35-4227-4239

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	<u>[Signature]</u> COUNTY HEALTH OFFICER	<u>3-19-77</u> DATE
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING	<u>[Signature]</u> PLANNING DIRECTOR	<u>3-20-77</u> DATE
CHIEF DIVISION OF LAND DEVELOPMENT	<u>[Signature]</u> CHIEF DIVISION OF LAND DEVELOPMENT	<u>3-20-77</u> DATE
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	<u>[Signature]</u> DIRECTOR	<u>3-12-77</u> DATE
CHIEF BUREAU OF ENGINEERING	<u>[Signature]</u> CHIEF BUREAU OF ENGINEERING	<u>3-12-77</u> 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.

G. Nelson Clark 12-8-78
Date
G. Nelson Clark

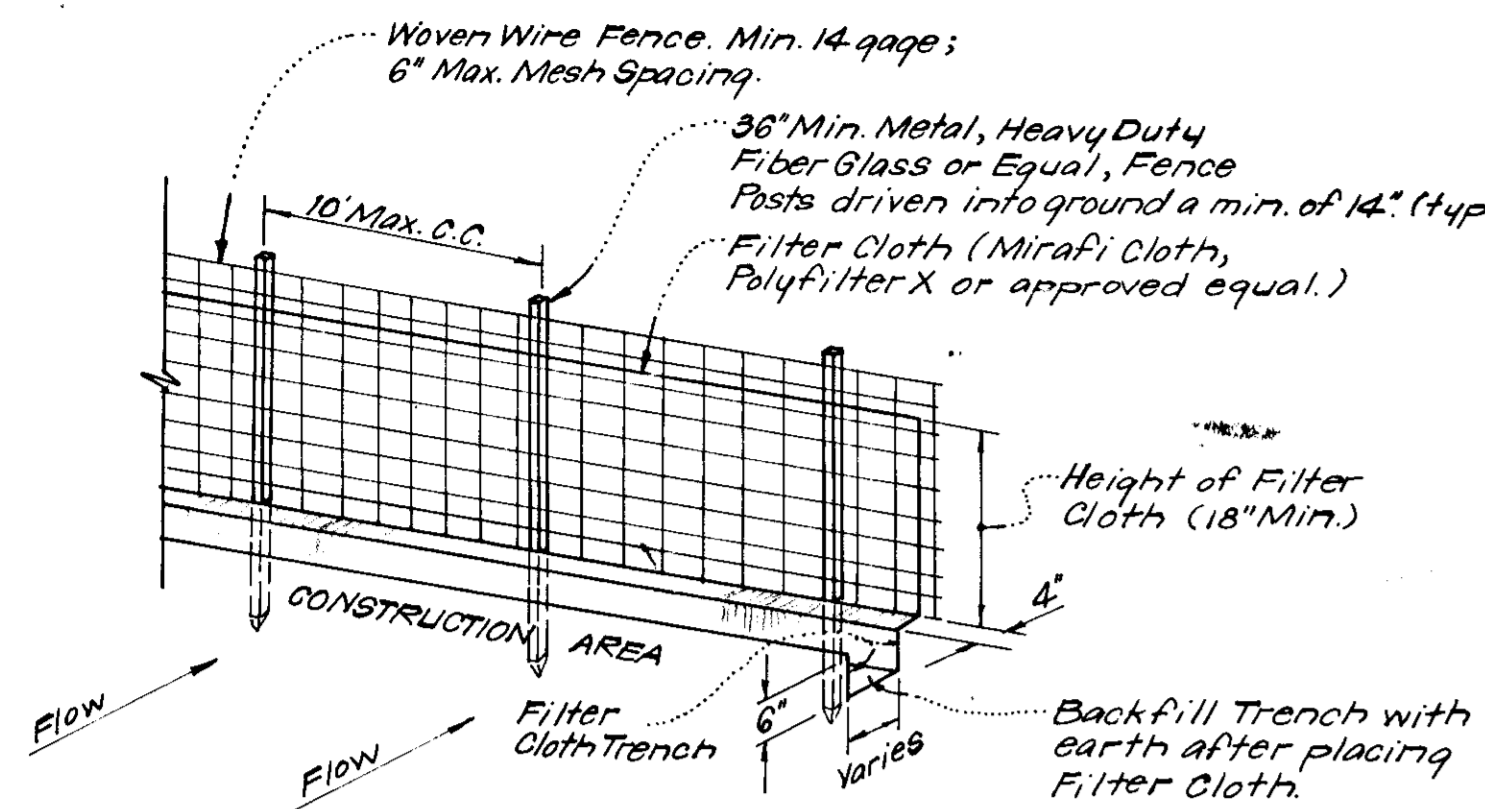


CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED <u>JLS</u>	SEDIMENT & EROSION CONTROL PLAN LOTS 23 THRU 30 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 3 CH. ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: The Ryland Group, Inc. Suite 200 Y.O.M. Office Bldg. Columbia, Maryland 21043 SDP-79-78.	SCALE 1"=30'
DRAWN <u>K.I.W.</u>		DRAWING 2 of 3
CHECKED <u>R.U.S.</u>		JOB NO.
DATE Dec, 1978		FILE NO. 1392-X

See Also: HC-405

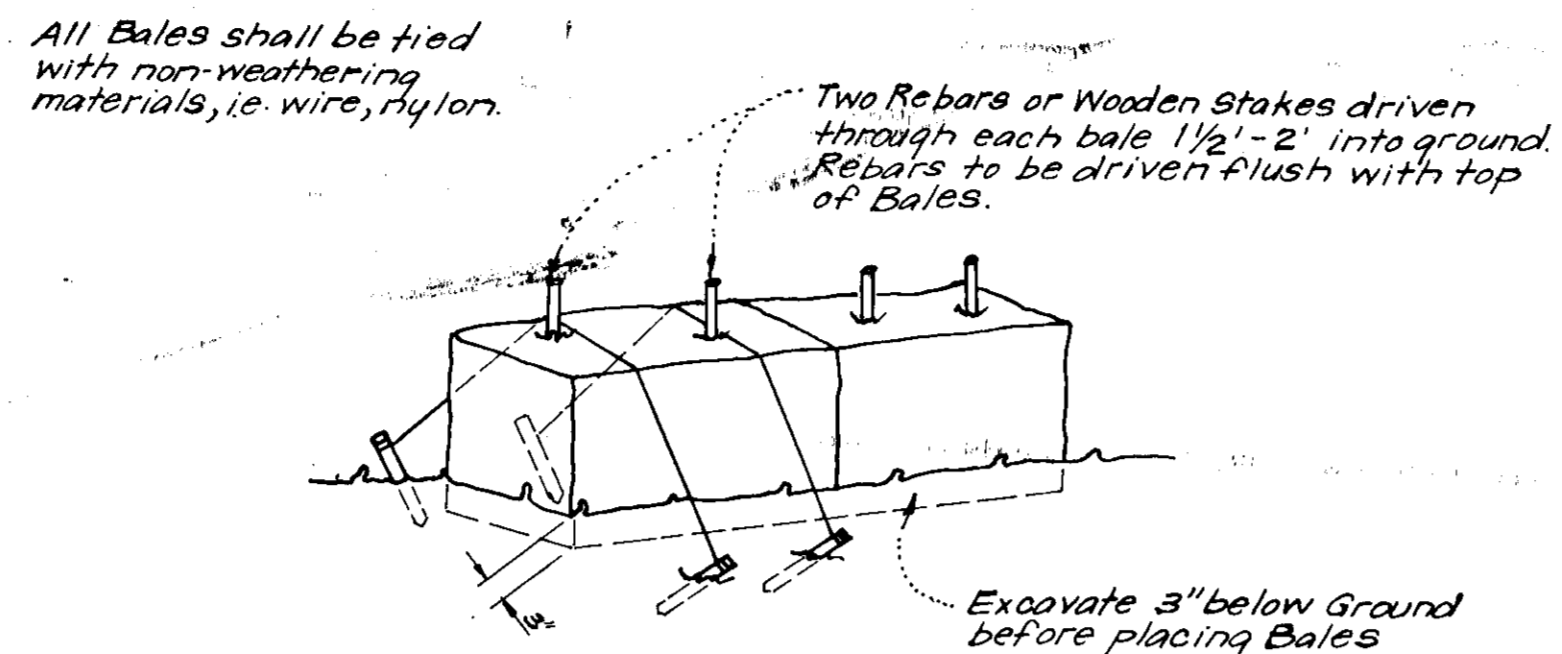
GENERAL NOTES

- 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 hours 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% Chewings Fescue, 20% Kentucky 31, and 20% annual rye.
 - Fertilizer - 10-10-10 applied at the rate of 23 lbs/1000 sq. ft. Ground Agricultural Lime or Dolomitic Lime applied at the rate of 46 lbs/1000 sq. ft.
 - Mulch - Weed free grain straw applied at the rate of 70 lbs/1000 sq. ft. Mulch shall be secured to the ground by any approved method i.e. asphalt tacks, chemical binder, wood chips, etc.
- 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.
- Protection of stabilized area from sediment runoff shall be provided by the use of an approved Sediment Control Device, i.e. straw bale, diversion dike, etc.
- 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.
- SITE ANALYSIS:**
 - Total Area = 2.161 Acres
 - Area to be Roofed = 0.255 Acres
 - Area to be Paved = 0.140 Acres
 - Area to be Seeded = 0.178 Acres
 - Area Undisturbed = 1.588 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.
- 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.
- It will be the Developer's responsibility to provide additional Sediment & Erosion Control Devices to protect stabilized areas during construction.
- Total Amount of Straw Bales or Silt Fence shown = 750 L.F.



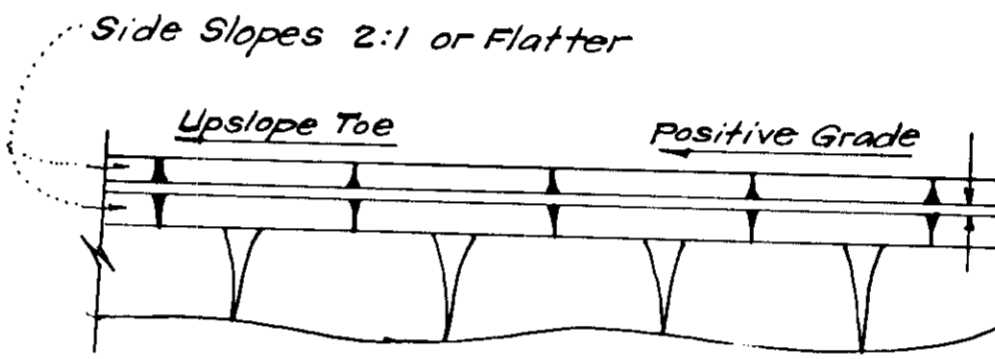
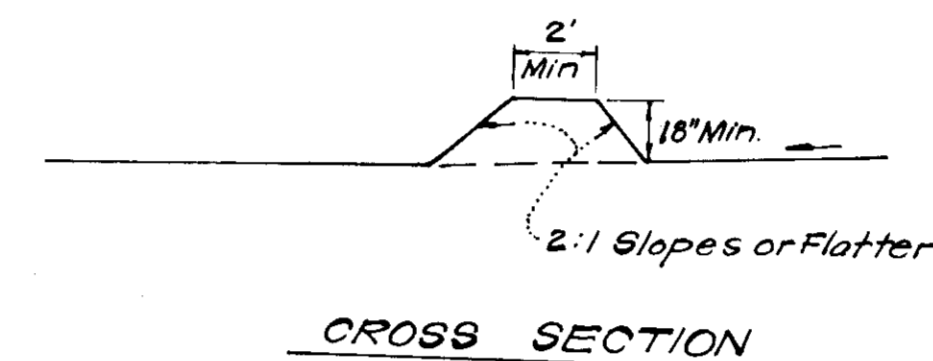
- NOTES:**
- Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
 - Filter Cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24" x 24".

SILT FENCE DETAIL (S.F.)
No Scale

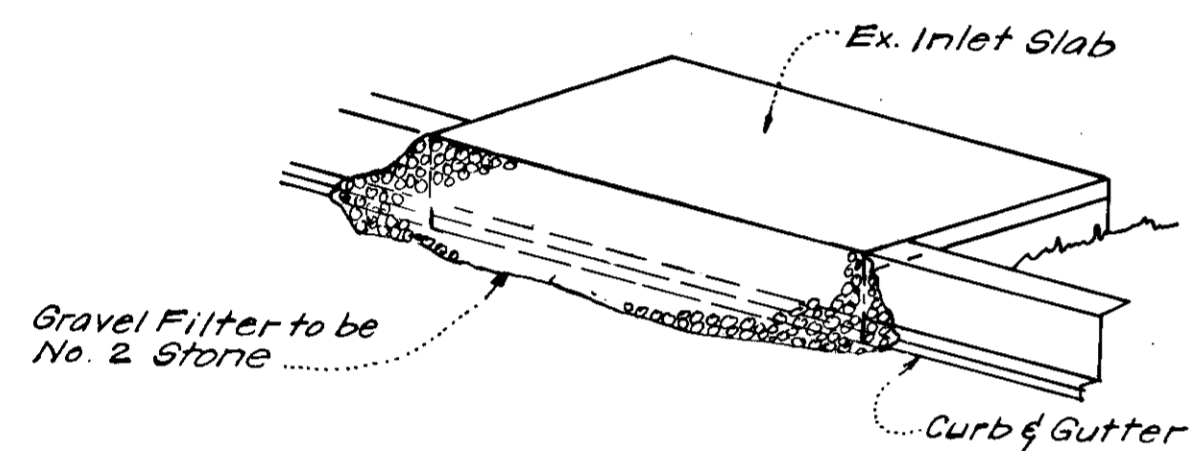


- NOTE:**
- In lieu of the use of rebar each Straw Bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).

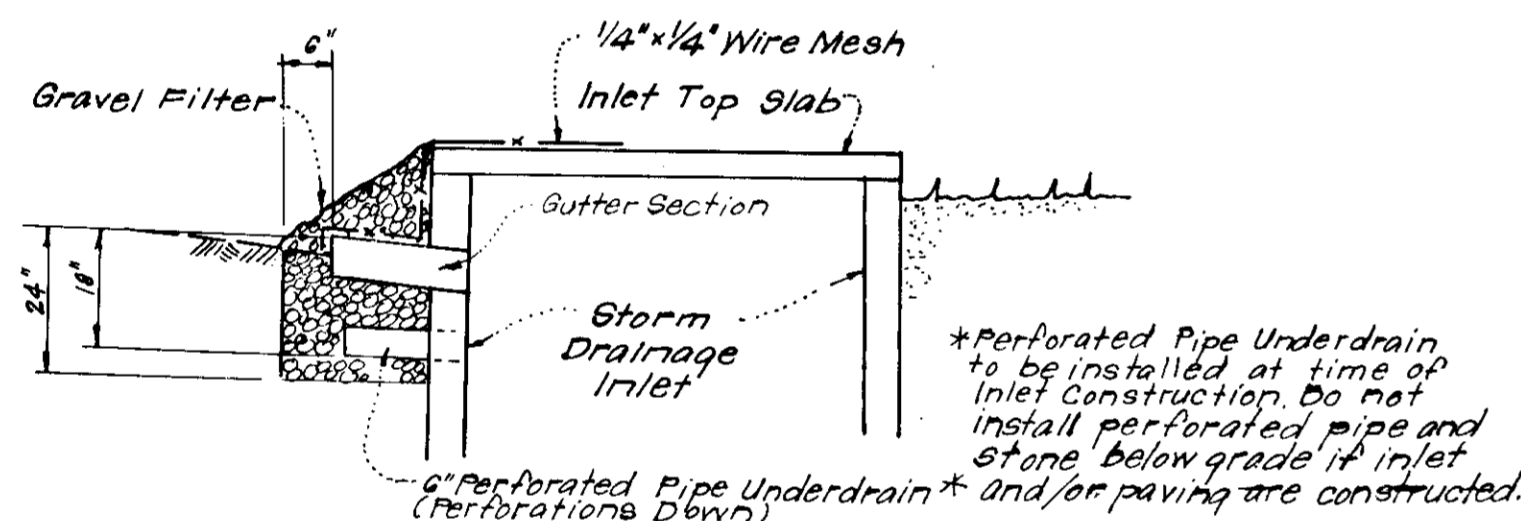
TYPICAL STRAW BALE DETAIL (S.B.D.)
No Scale



DIERSION DIKE (D.D.)
No Scale

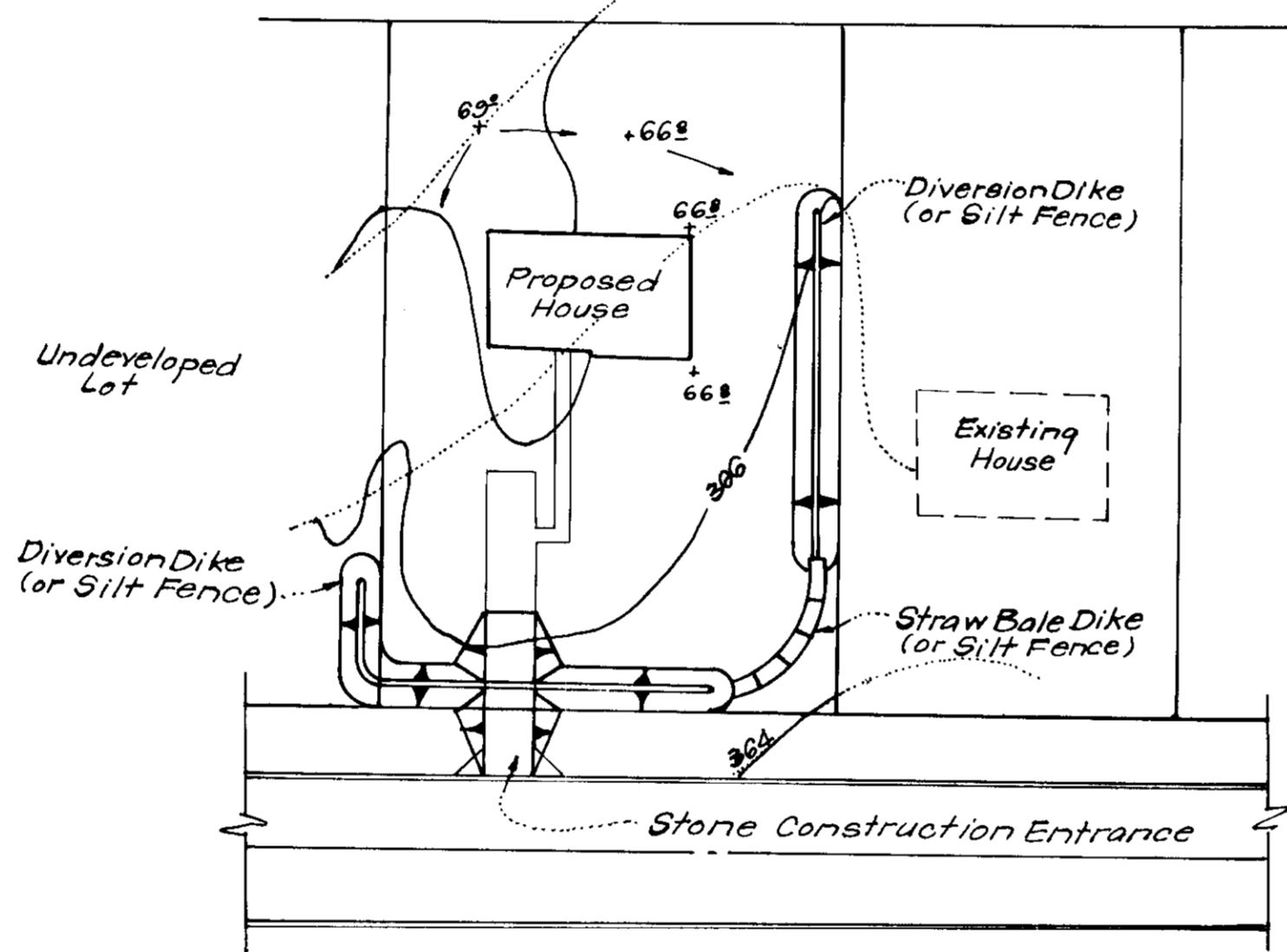


ISOMETRIC VIEW

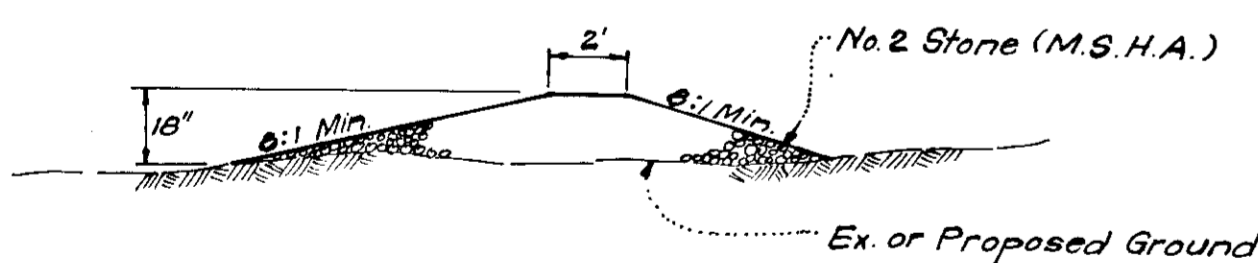


SECTION VIEW

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



TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
No Scale



SECTION VIEW

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

APPROVED
HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
DATE 1-17-79
SAWY

RECORDED IN P.B. 42274-4239

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

DESIGNED	J.L.S.	SCALE	As Shown
DRAWN	K.I.W.	DRAWING	3043
CHECKED	R.J.S.	JOB NO.	
DATE	Dec, 1978	FILE NO.	1392-X

SEDIMENT & EROSION CONTROL PLAN
LOTS 23 THRU 30
COLUMBIA
VILLAGE OF KINGS CONTRIVANCE
SECTION 3 AREA 1
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: The Ryland Group, Inc.
Suite 200 V.O.M. Office Bldg.
Columbia, Maryland 21043
SDP-79-78



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.

H. Nelson Clark
6 Nelson Clark
Date 12-10-78

DEVELOPER'S CERTIFICATE
I certify that all development and/or construction to be done according to this plan of development 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.

L. Sargent
Laurie D. Sargent
Date 12-10-78

Reviewed for... **HOWARD** S.C.D.
Name
and meets Technical Requirements
R. Wayne Ray 12/31/79
Date
U.S. Soil Conservation Service

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

WES Egan
Approved
Date 1-13-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 3-19-79
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
[Signature] 3-12-79
DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING DATE