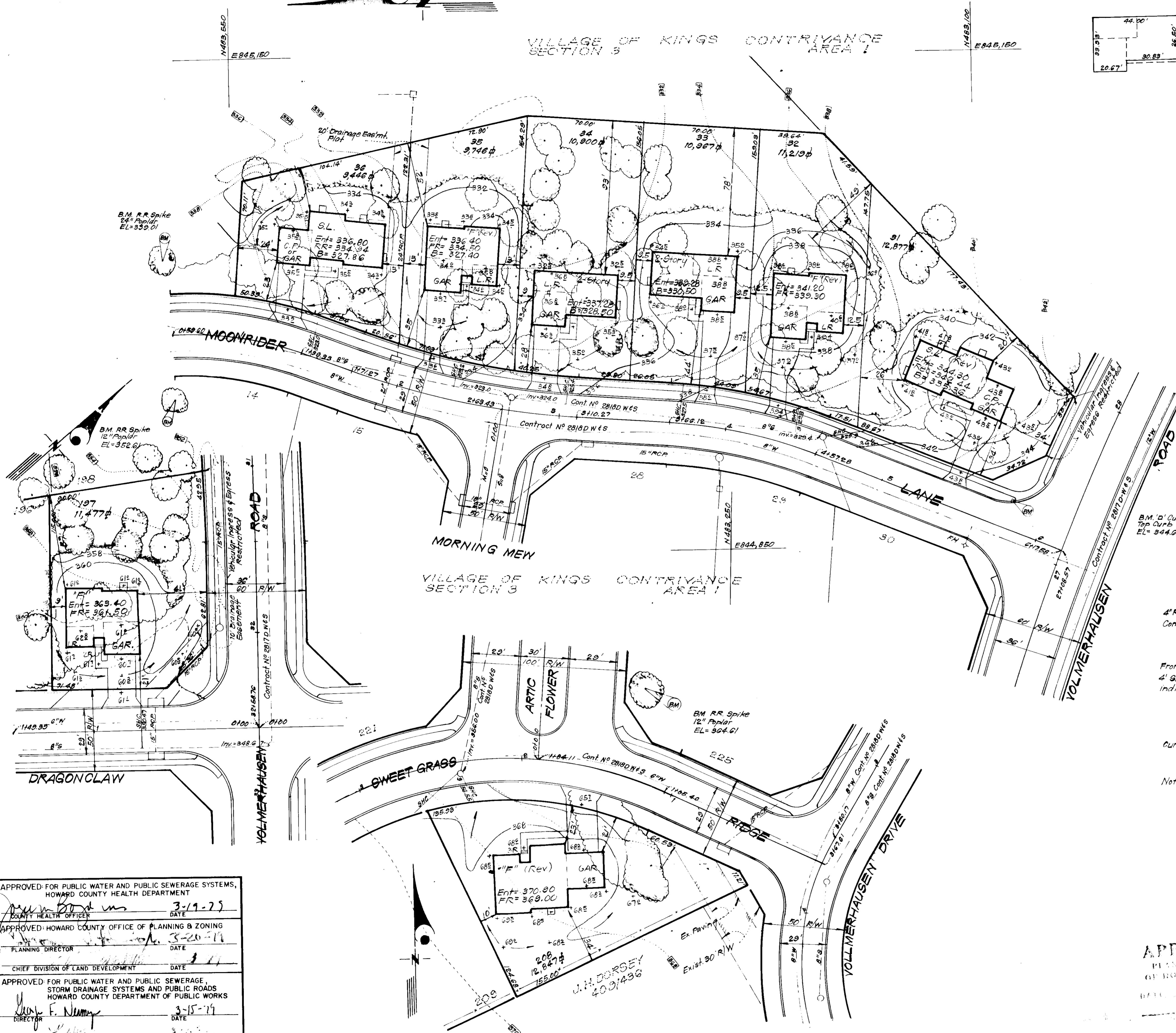
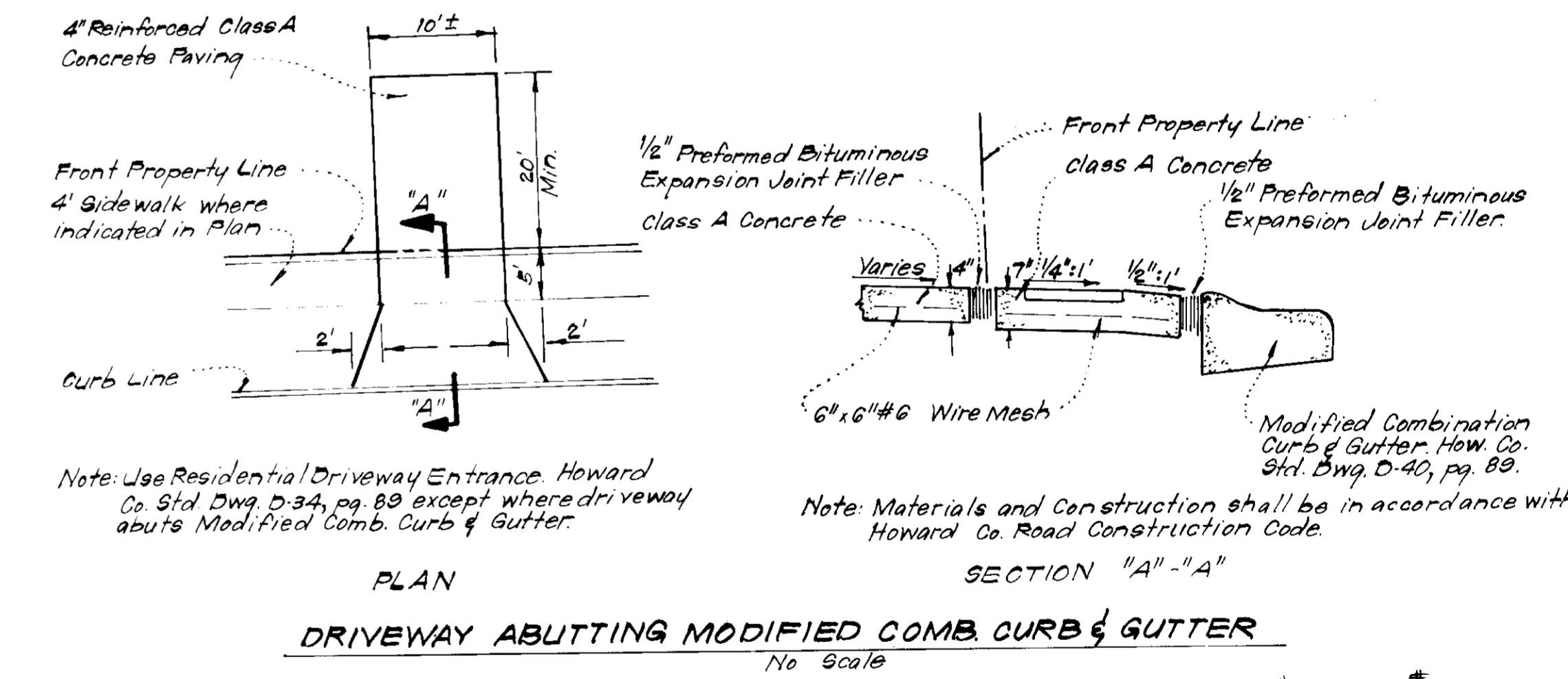


VILLAGE OF KINGS CONTRIVANCE AREA 1 SECTION 3



- 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 103 recorded in Plat 3054A at Folios 126-140
  - All coordinates are based on traverse controls for Columbia established by Maps, Inc. in 1965 by Purdum & Jeschke in 1968 which controls were tied to Maryland Bureau of Control Surveys 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 in this plan is 2.054 Acres.
  - All roadways are public & existing.
  - Any damage to county owned rights of way or paving shall be corrected at the developer's expense.

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



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

APPROVED 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  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE 1-17-79

RECORDED IN P.B. # 4227 + 4239

**CLARK • FINEFROCK & SACKETT**  
ENGINEERS • PLANNERS • SURVEYORS  
11115 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400

DESIGNED: J.M.E.  
DRAWN: K.L.W.  
CHECKED: D.B.G.  
DATE: Nov, 1978

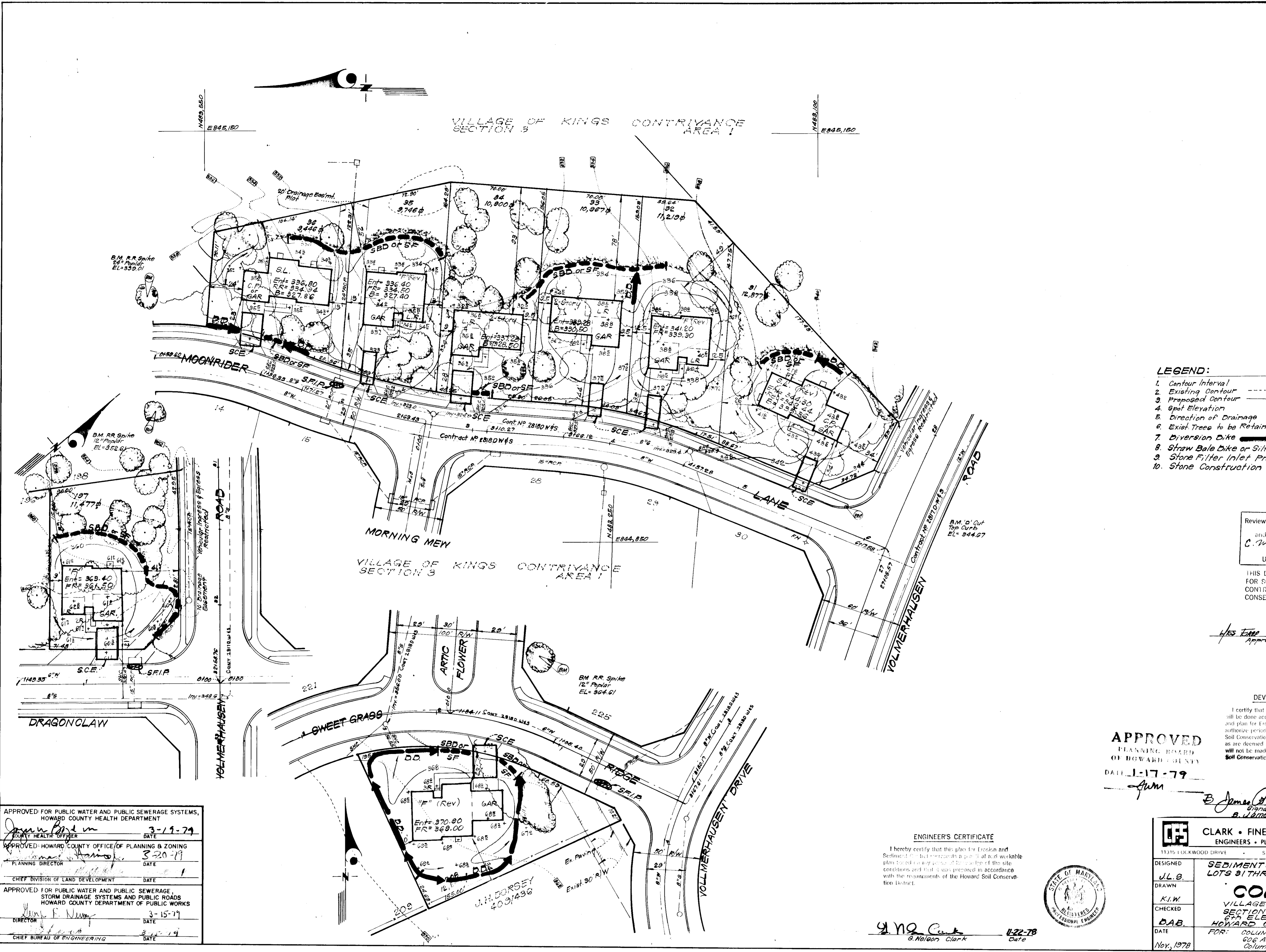
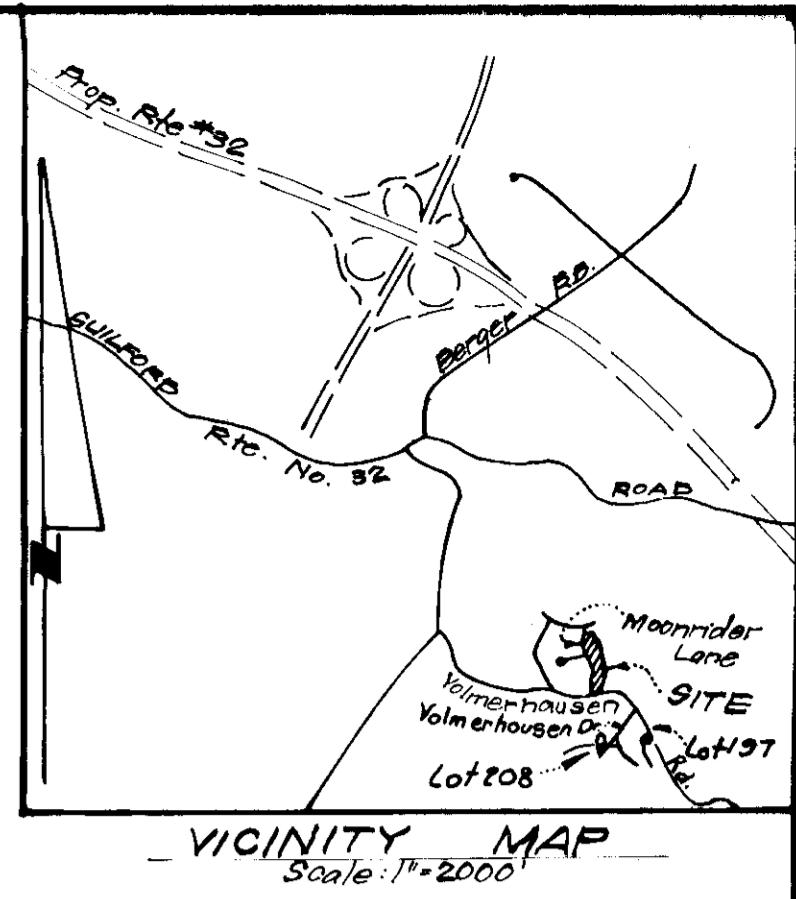
SITE DEVELOPMENT PLAN  
LOTS 31 THRU 36 & LOTS 197 & 208

**COLUMBIA**  
VILLAGE OF KINGS CONTRIVANCE  
SECTION 3 AREA 1  
5th ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: COLUMBIA BUILDERS  
606 American City Building  
Columbia, Maryland 21044

SCALE: 1"=30'  
DRAWING: 1023  
JOB NO.:  
FILE NO.: 1390-X

SDP-79-69C See Also: HC-405



- LEGEND:**
- 1. Contour Interval 2. FT.
  - 2. Existing Contour - - - - -
  - 3. Proposed Contour - - - - -
  - 4. Spot Elevation +30E
  - 5. Direction of Drainage →
  - 6. Exist Trees to be Retained (Symbol)
  - 7. Diversion Dike (Symbol)
  - 8. Straw Bale Dike or Silt Fence (Symbol)
  - 9. Stone Filter Inlet Protection (Symbol)
  - 10. Stone Construction Entrance (Symbol)

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

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

LES FARM 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 will  
 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  
[Signature]

B. James Greenfield 11-22-78  
 Signature Date  
B. James Greenfield

**ENGINEER'S CERTIFICATE**  
 I hereby certify that this plan for Erosion and  
 Sediment Control meets a part of a workable  
 plan for any portion of the site of the site  
 conditions and that it was prepared in accordance  
 with the requirements of the Howard Soil Conserva-  
 tion District.

G. Nelson Clark 11-22-78  
 G. Nelson Clark Date



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  
[Signature] 3-20-79  
 PLANNING DIRECTOR DATE

CHIEF DIVISION OF LAND DEVELOPMENT DATE

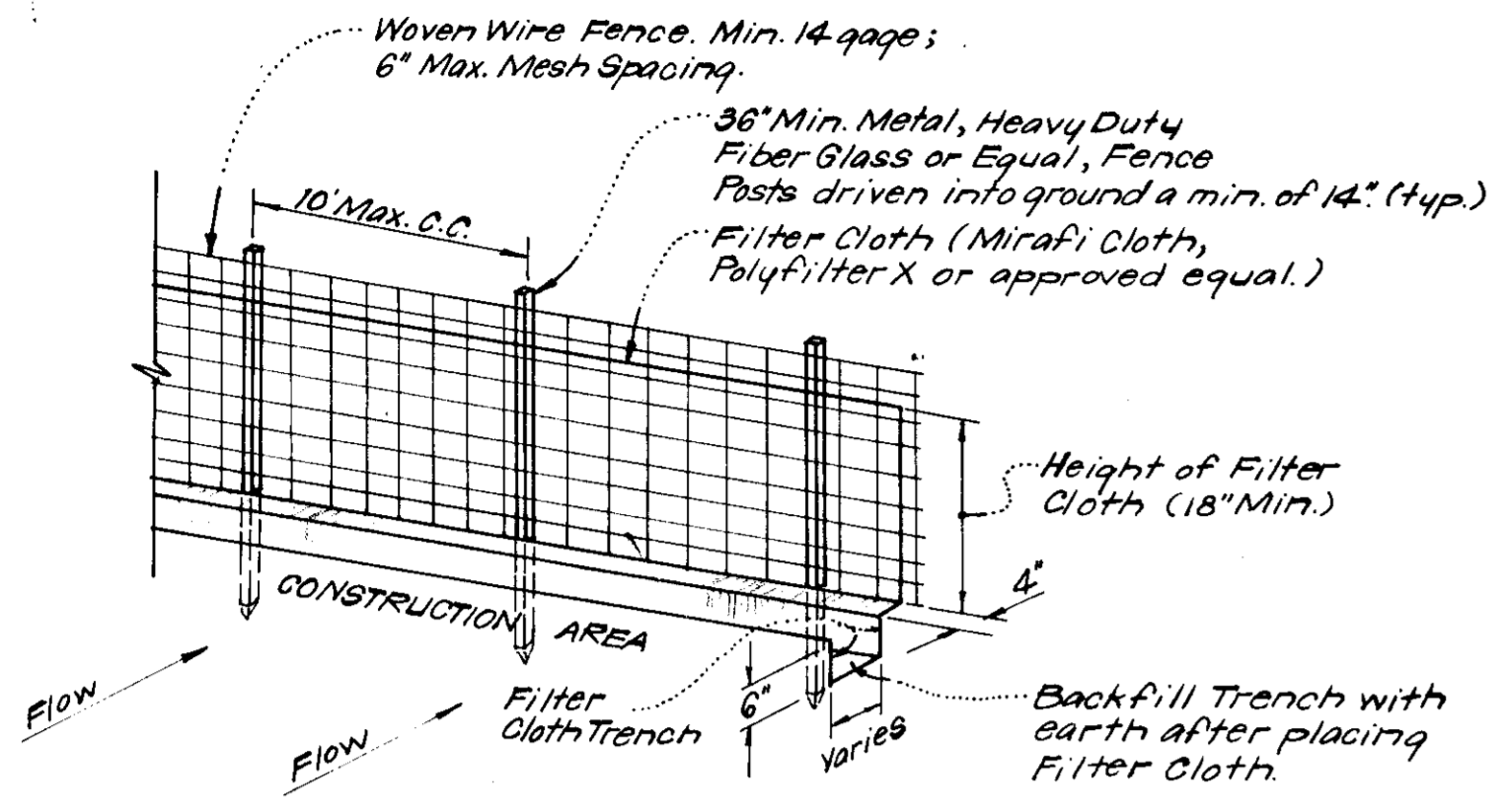
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
[Signature] 3-15-79  
 DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING DATE

<b>CLARK • FINEROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS		11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400
DESIGNED <u>J.L.B.</u>	<b>SEDIMENT &amp; EROSION CONTROL PLAN</b> LOTS 31 THRU 36 & LOTS 197 & 200	SCALE 1"=30'
DRAWN <u>K.I.W.</u>	<b>COLUMBIA</b>	DRAWING 20-3
CHECKED <u>D.A.B.</u>	VILLAGE OF KINGS CONTRIVANCE SECTION 3 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.
DATE Nov, 1978	FOR: COLUMBIA BUILDERS 606 American City Building Columbia, Maryland 21044	FILE NO. 1390-X
SDP-79-69. See Also: HC-405		

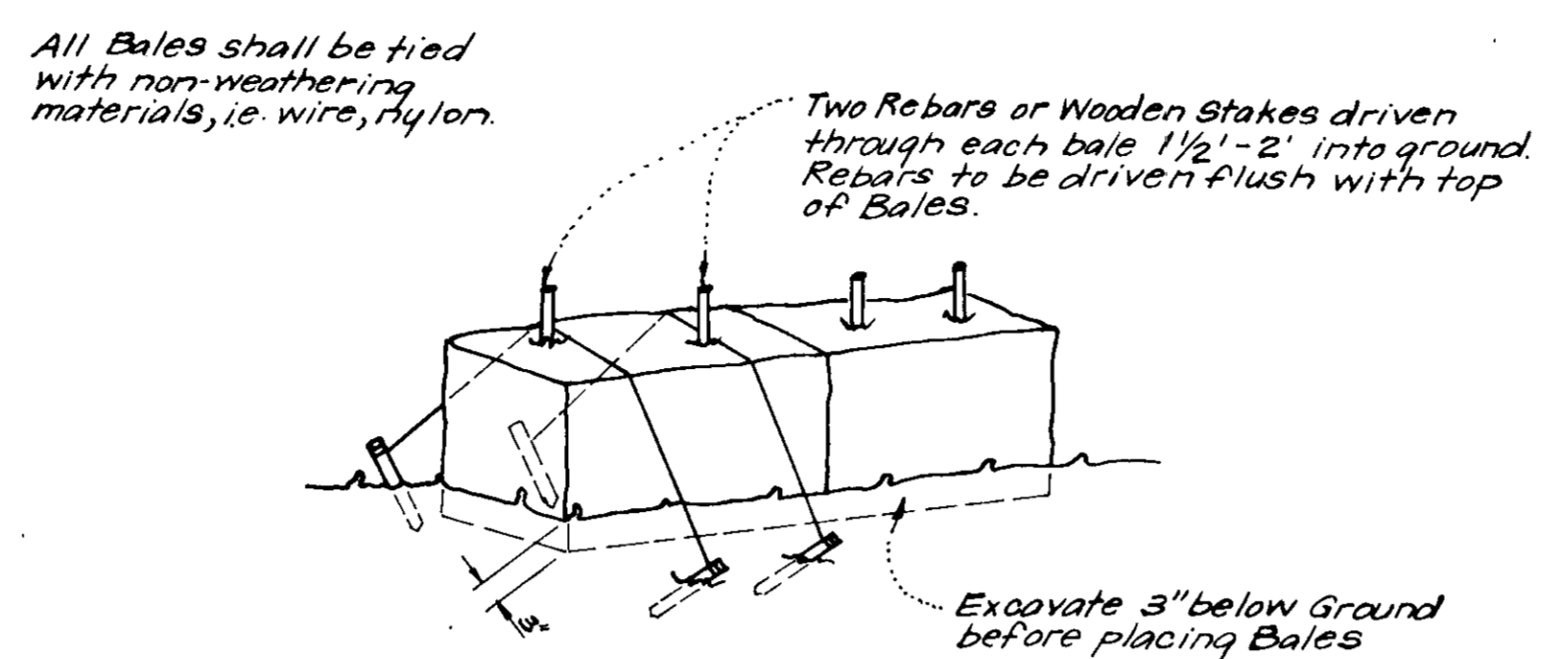
**GENERAL NOTES**

- 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% Chewing 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 = 2.054 Acres
  - Area to be Roofed = 0.236 Acres
  - Area to be Paved = 0.108 Acres
  - Area to be Seeded = 0.948 Acres
  - Area Undisturbed = 0.702 Acres
- CONSTRUCTION SEQUENCE:**
  - Install Sediment & Erosion Control Devices and stabilize Diversion Dikes.
  - Excavate for Foundations and Rough Grade.
  - Erect Structures, Drive ways and Side walks.
  - 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 = 310 L.F.



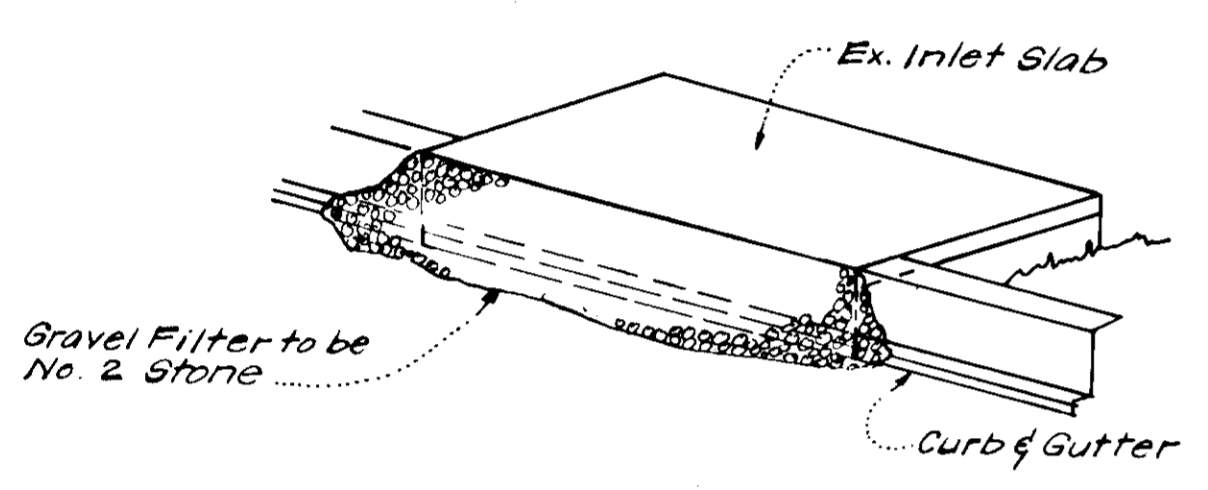
**SILT FENCE DETAIL (S.F.)**  
No Scale

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

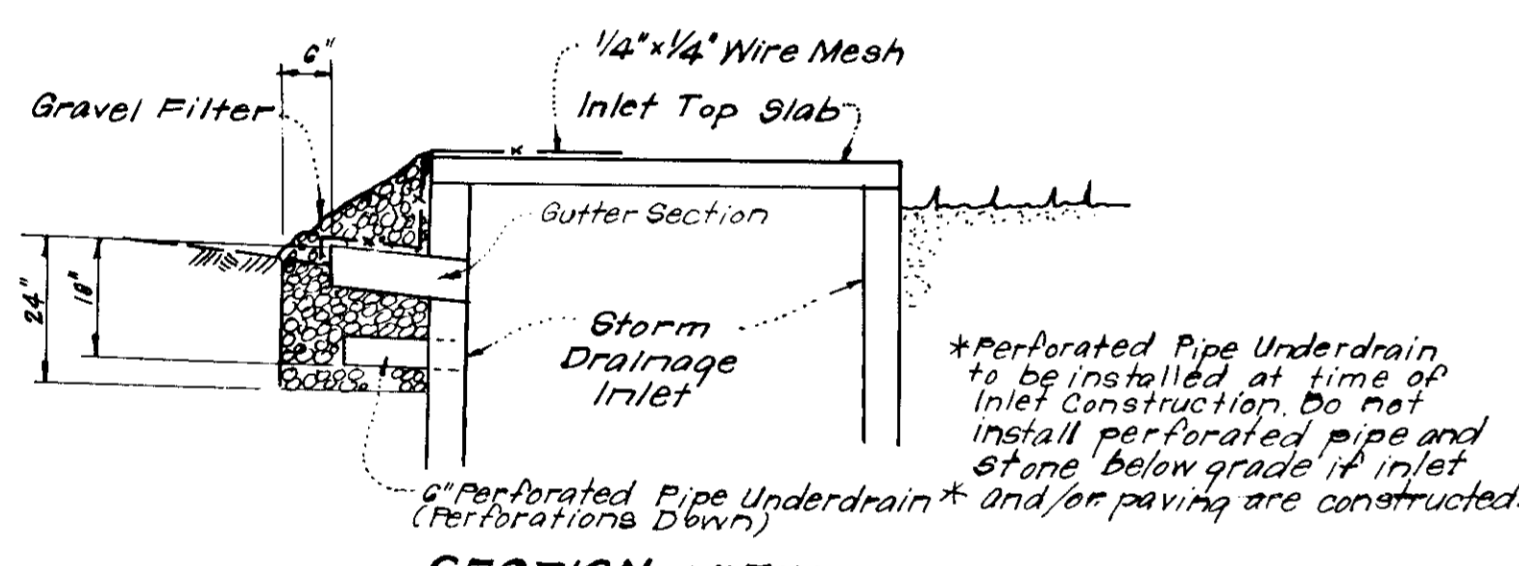


**TYPICAL STRAW BALE DETAIL (S.B.D.)**  
No Scale

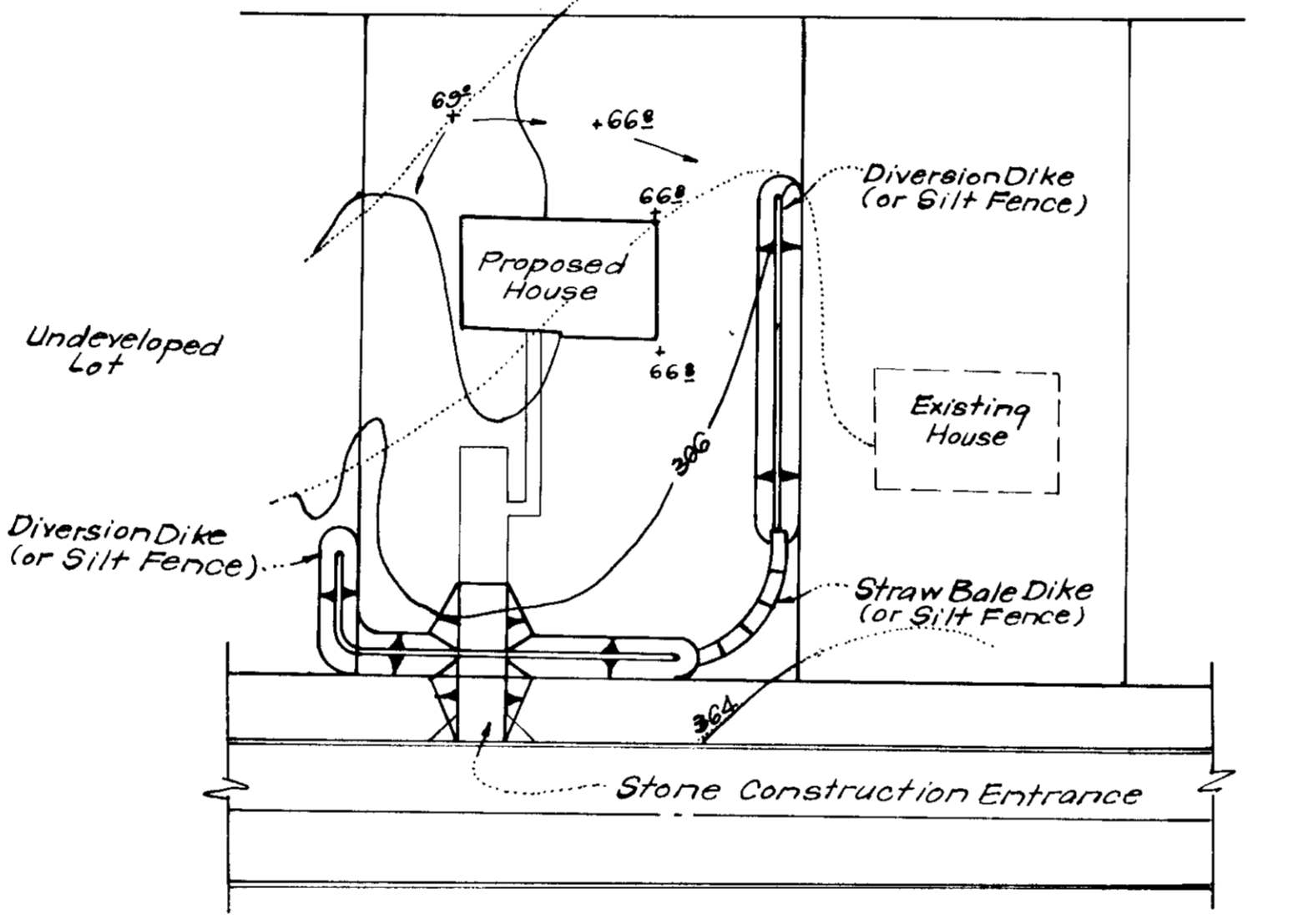
**NOTE:**  
1. In lieu of the use of rebar each Straw Bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).



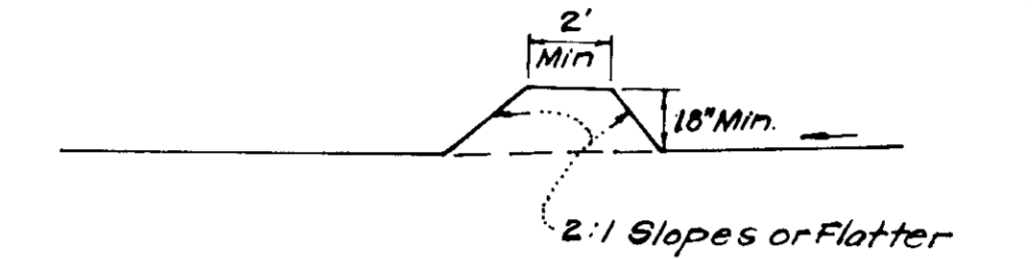
**ISOMETRIC VIEW**



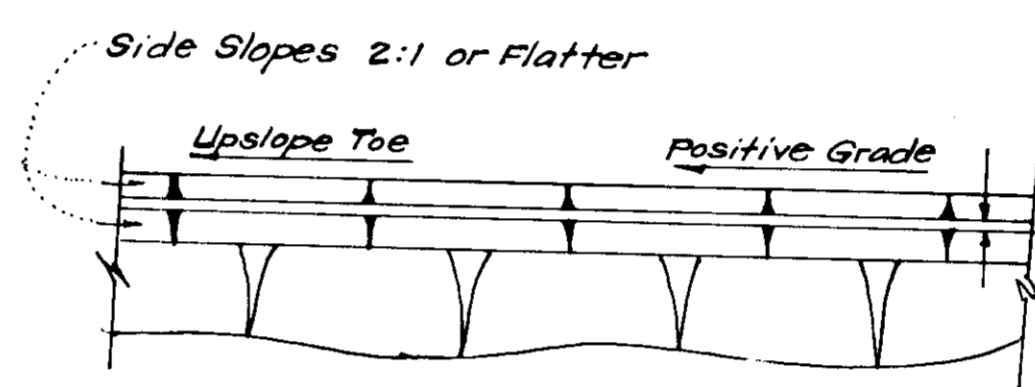
**STONE FILTER INLET PROTECTION DETAIL (S.F.I.P.)**  
No Scale



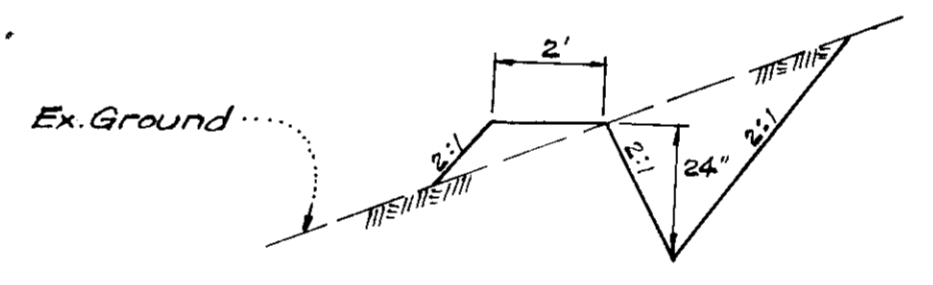
**TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN**  
No Scale



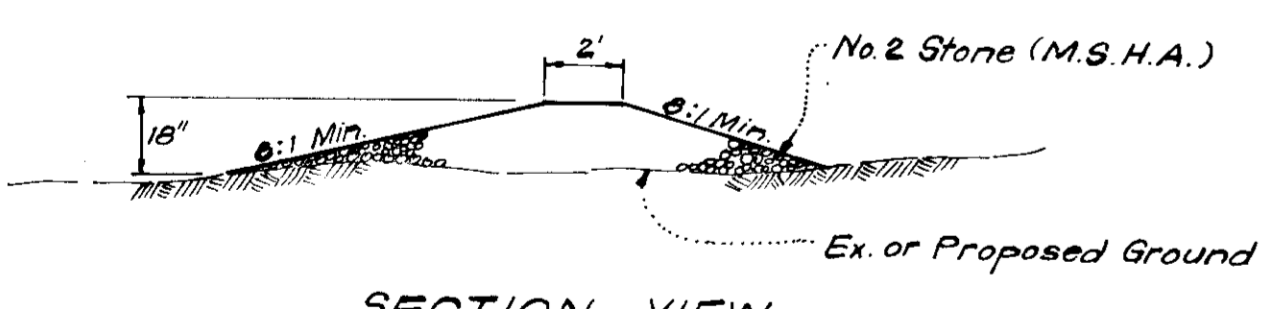
**CROSS SECTION**



**PLAN VIEW DIVERSION DIKE (D.D.)**  
No Scale



**CUT DIVERSION DIKE**  
No Scale



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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE: 3-19-79  
PLANNING DIRECTOR

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE: 3-20-79  
CHIEF DIVISION OF LAND DEVELOPMENT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE: 3-15-79  
CHIEF BUREAU OF ENGINEERING

Reviewed for Howard S.C.D.  
Basic and meets Technical Requirements  
C. Wayne Ray 11-15-79  
U.S. Soil Conservation Service

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

Approved 1-21-79  
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 onsite 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 11-21-78  
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.

G. Nelson Clark 11-22-78  
Signature Date  
G. Nelson Clark



**APPROVED**  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: 1-17-79

RECORDED IN P.B. # 4227 + 4239

<b>CLARK • FINEFROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 11315 LUKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED	J.L.S.	SCALE
DRAWN	K.I.W.	As Shown
CHECKED	D.A.B.	3 of 3
DATE	Nov, 1978	JOB NO.
FOR: COLUMBIA BUILDERS 606 American City Building Columbia, Maryland 21044 SDP-79-69c		
SEDIMENT & EROSION CONTROL PLAN LOTS 31 THRU 36 & LOTS 107 & 208 <b>COLUMBIA</b> VILLAGE OF KINGS CONTRIVANCE SECTION 3 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		FILE NO.
		1390-X