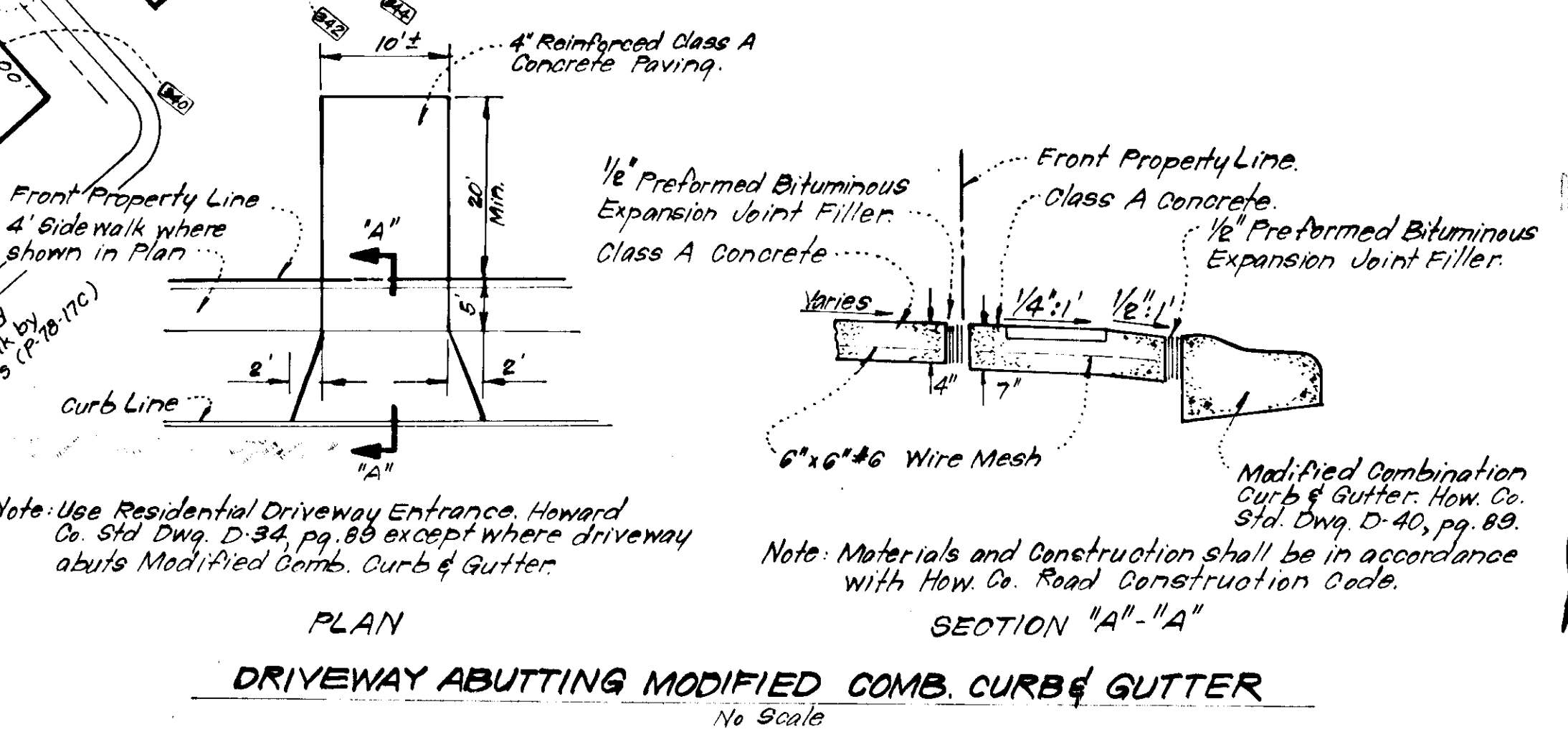


- GENERAL NOTES:**
1. The Land included in this plan is zoned NewTown (S.F.M.D.)
  2. The Lots shown on this plan are covered by Final Development Plan Phase 1a2 recorded in Plat 3054-A, Folios 120-140.
  3. All coordinates are based on traverse controls for Columbia established by Maps, Inc. in 1965 by Purdum & Jeschke in 1968 which controls were tied to Maryland Bureau of Control 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 in this plan is 4.525 Acres.
  6. All roadways are public & existing.
  7. Any damage to county owned rights of way or paving shall be corrected at the developers expense.

- LEGEND:**
- 1 Contour Interval 2 FT.
  - 2 Existing Contour 2'0"
  - 3 Proposed Contour 2'0"
  - 4 Spot Elevation +40'
  - 5 Direction of Drainage
  - 6 Exist. Trees to be Retained

Note: For Bearings & Distances of Individual Lots See Plat.

<b>CLARK • FINEFROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 11335 LUCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400		
DESIGNED	<b>SITE DEVELOPMENT PLAN</b> LOTS 234 THRU 280	SCALE 1"=30'
DRAWN	<b>COLUMBIA</b>	DRAWING 1 of 3
K.I.W.	VILLAGE OF KINGS CONTRIVANCE SECTION 3 6th ELECTION DISTRICT	JOB NO.
CHECKED	HOWARD COUNTY, MARYLAND	FILE NO.
DATE	FOR: THE RYLAND GROUP, INC. Suite 200 V.O.M. Office Bldg. Columbia, Maryland 21043	78-1167-X
Feb. 1979		



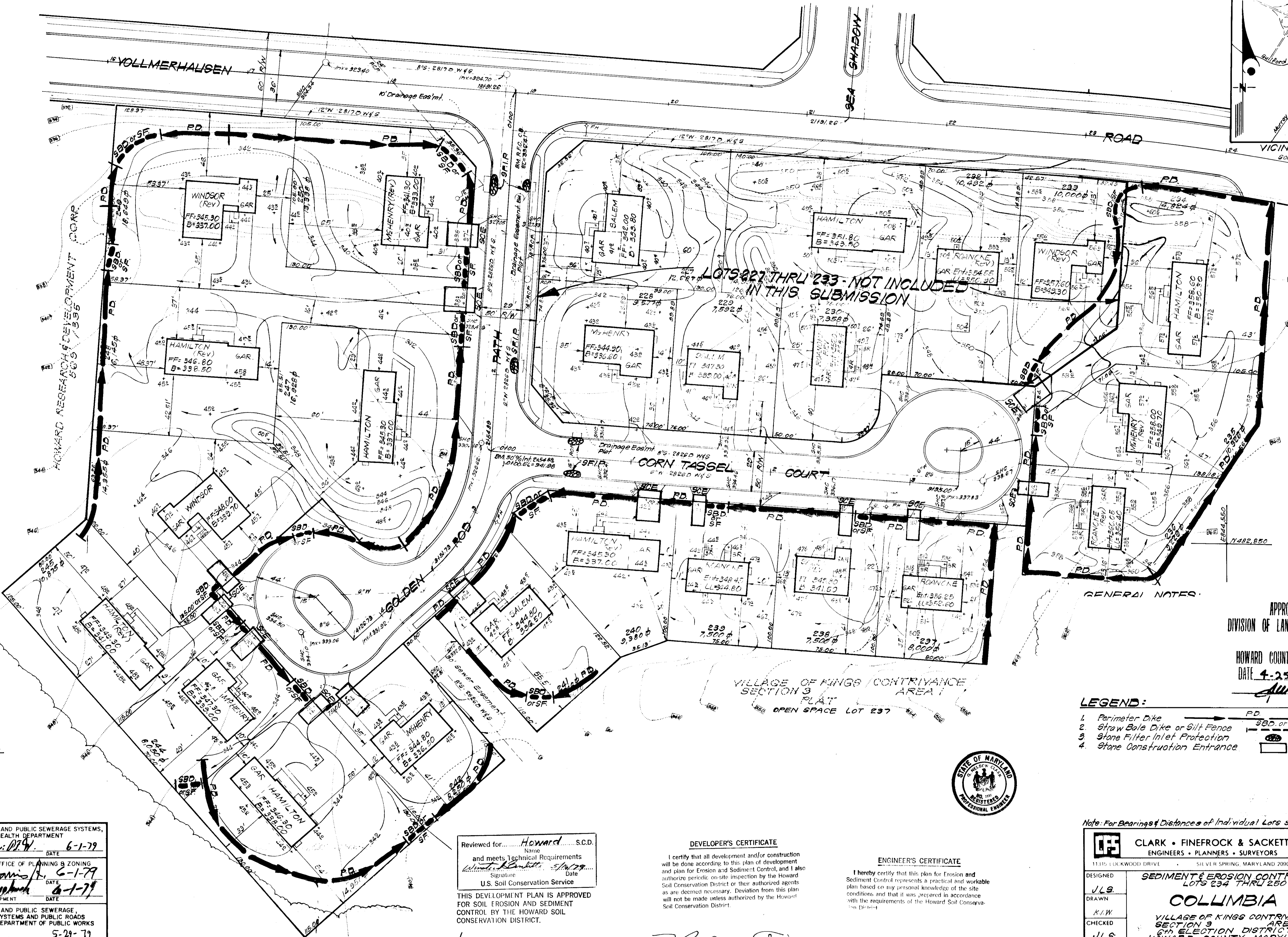
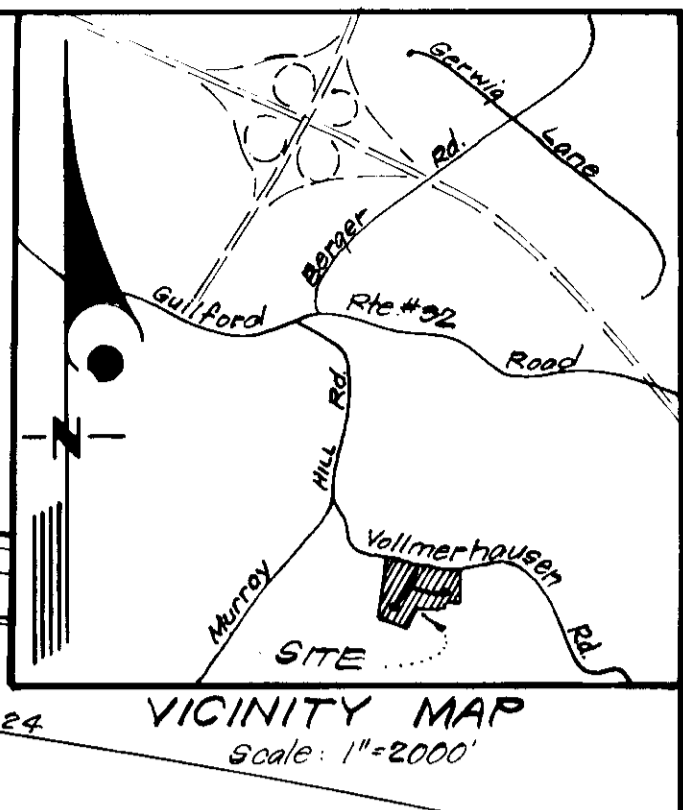
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER  
 DATE 6-1-79

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR  
 DATE 6-1-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR  
 DATE 5-21-79

CHIEF BUREAU OF ENGINEERING  
 DATE 5-29-79

HOWARD COUNTY, MARYLAND  
 4-25-79  
 Donald P. Sackett



APPROVED  
DIVISION OF LAND DEVELOPMENT  
HOWARD COUNTY, MARYLAND  
DATE 4-25-79  
*Aum*

- LEGEND:**
- 1. Perimeter Dike ——— PD
  - 2. Straw Bale Dike or Silt Fence ——— SBD or SF
  - 3. Stone Filter Inlet Protection ——— S.F.I.P.
  - 4. Stone Construction Entrance ——— S.C.E.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
*Dr. James R. ...* DATE 6-1-79  
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*Thomas J. Harris* DATE 6-1-79  
PLANNING DIRECTOR

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*John W. ...* DATE 6-1-79  
CHIEF DIVISION OF LAND DEVELOPMENT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*John F. ...* DATE 5-29-79  
DIRECTOR

*...* DATE 5-29-79  
CHIEF BUREAU OF ENGINEERING

Reviewed for... *Howard* S.C.D.  
and meets Technical Requirements  
*William ...* DATE 5/1/79  
Signature Date  
U.S. Soil Conservation Service

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

**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 Conserva-  
tion District.

*Wes ...* Approved DATE 5/16/79  
*J.B. Sargent* DATE 4/27/79  
*G. Nelson Clark* DATE 2-23-79

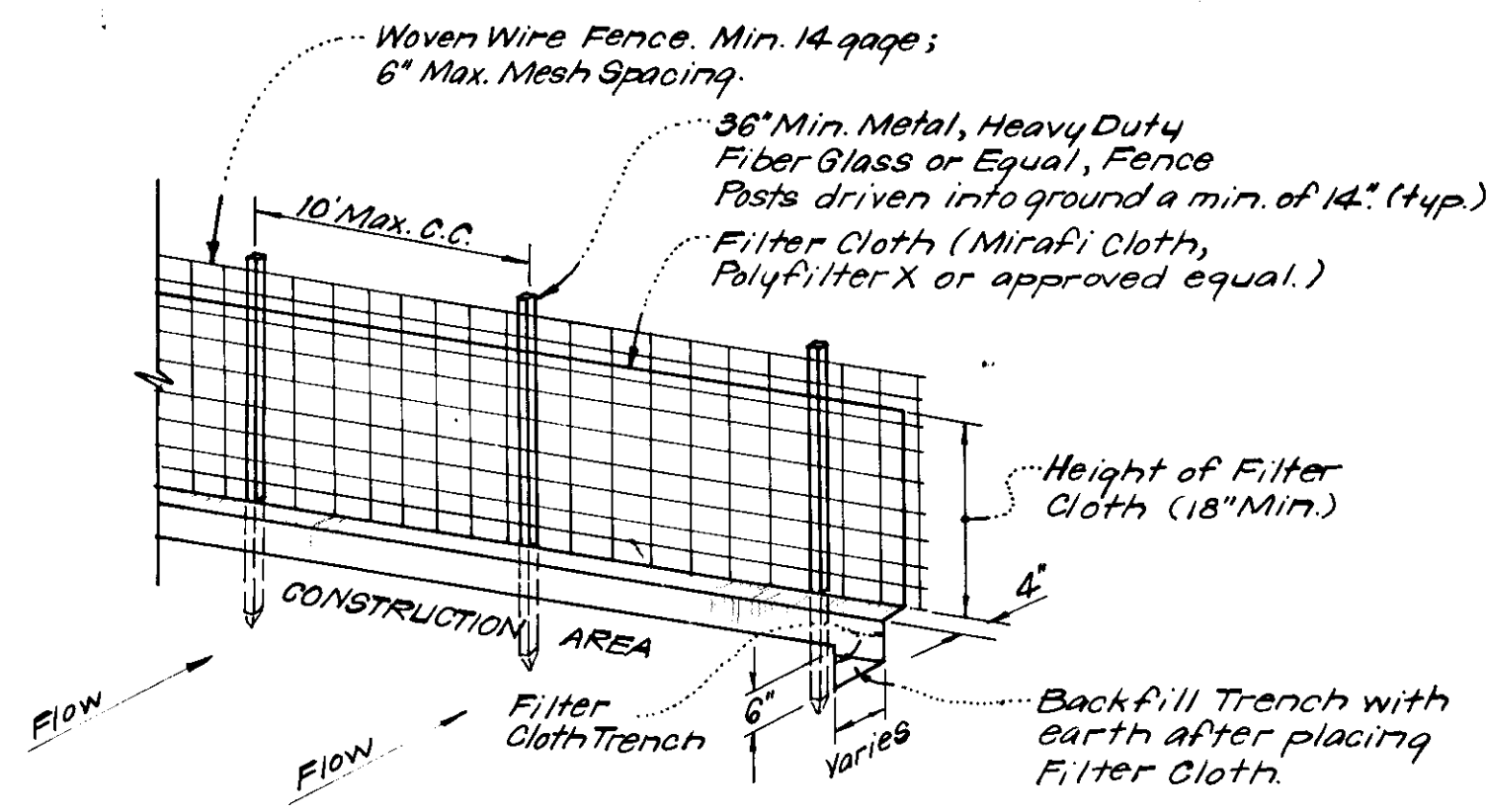
Note: For Bearings & Distances of Individual Lots see 11411

<b>CLARK • FINEFROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 11115 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400	
DESIGNED <i>J.L.S.</i>	SCALE 1"=30'
DRAWN <i>K.I.W.</i>	DRAWING 2 of 3
CHECKED <i>J.L.S.</i>	JOB NO.
DATE Feb 1979	FILE NO. 78-11679E

FOR: THE RYLAND GROUP, INC.  
Suite 200 V.O.M. Office Bldg.  
Columbia, Maryland 21043  
SDP-79-109

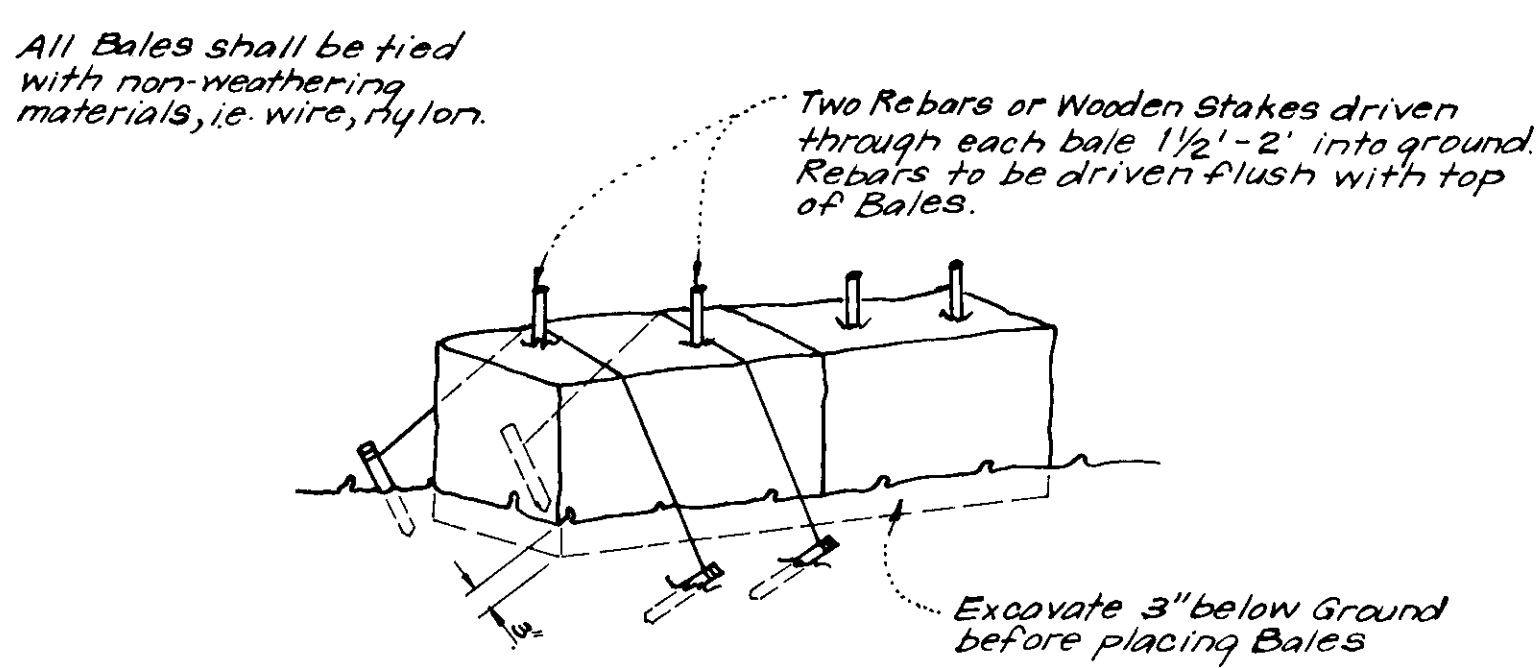
**GENERAL NOTES**

- 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. starting any work.
- 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 = 4.529 Acres
  - Area to be Roofed = 0.907 Acres
  - Area to be Paved = 0.985 Acres
  - Area to be Seeded = 9.254 Acres
  - Area Undisturbed = 0.983 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 site, 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 = 446 L.F.
- 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.



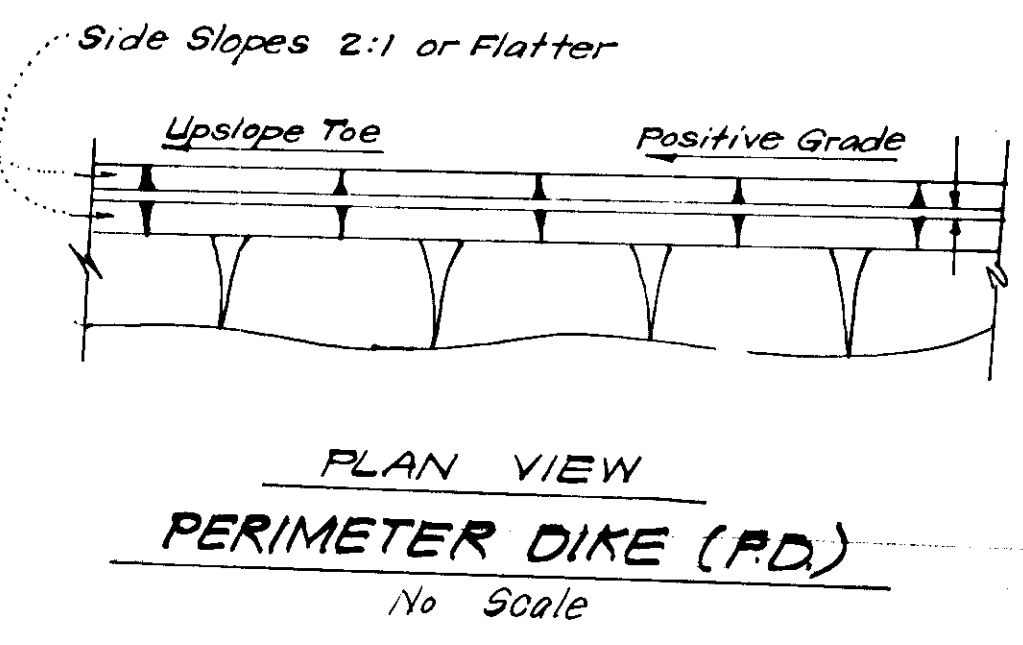
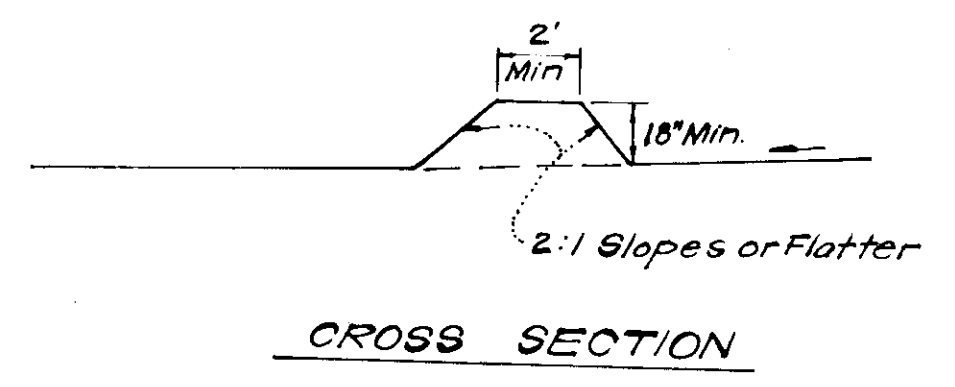
**SILT FENCE DETAIL (S.F.)**  
No Scale

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".

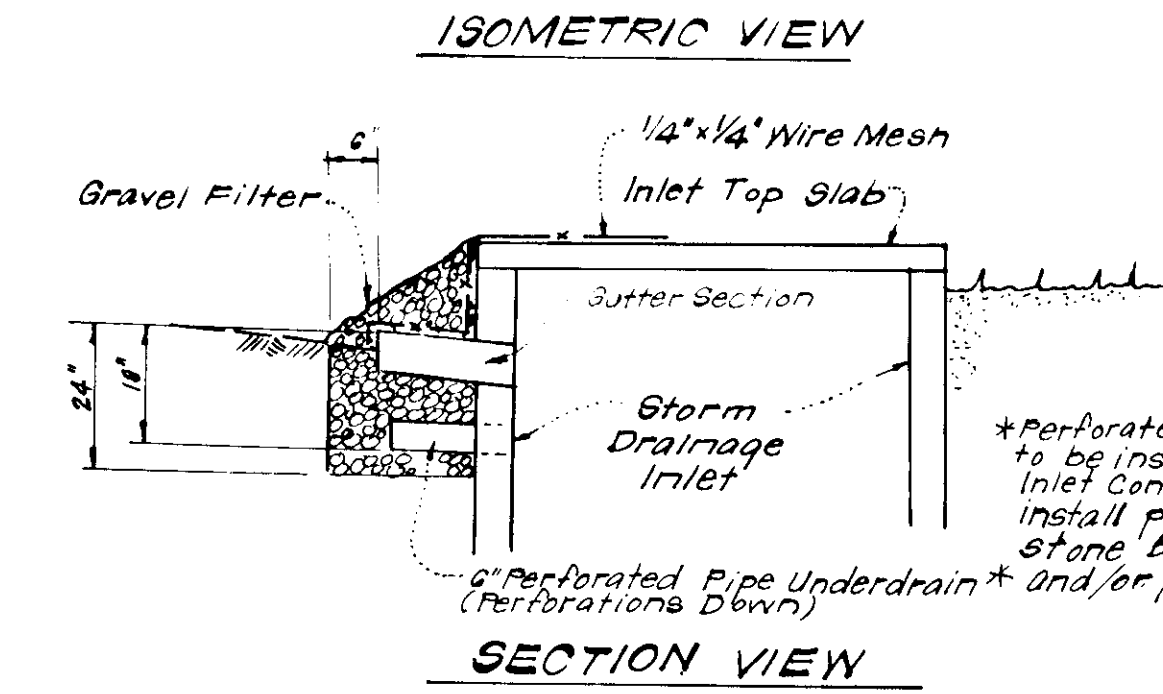
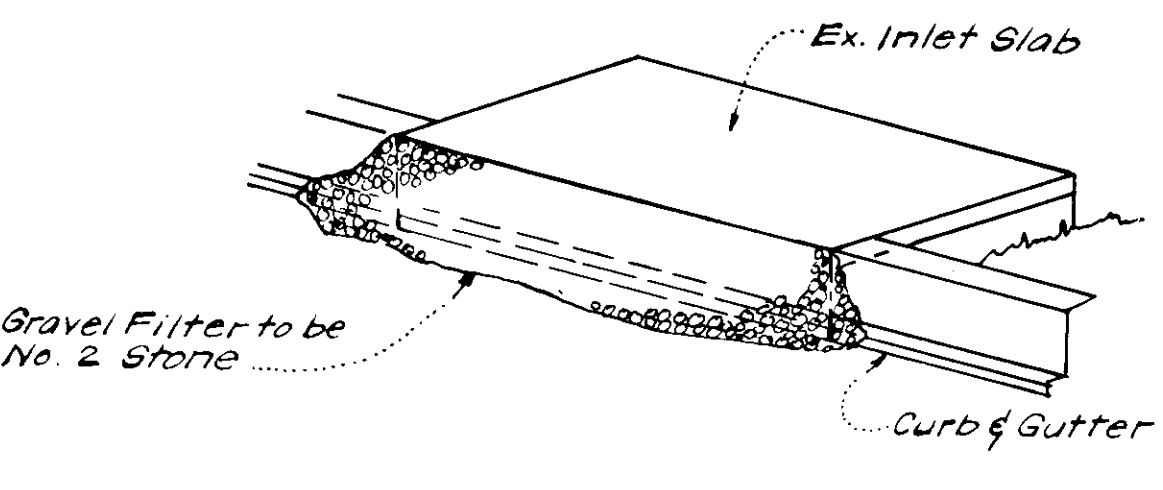


**TYPICAL STRAW BALE DETAIL (S.B.D.)**  
No Scale

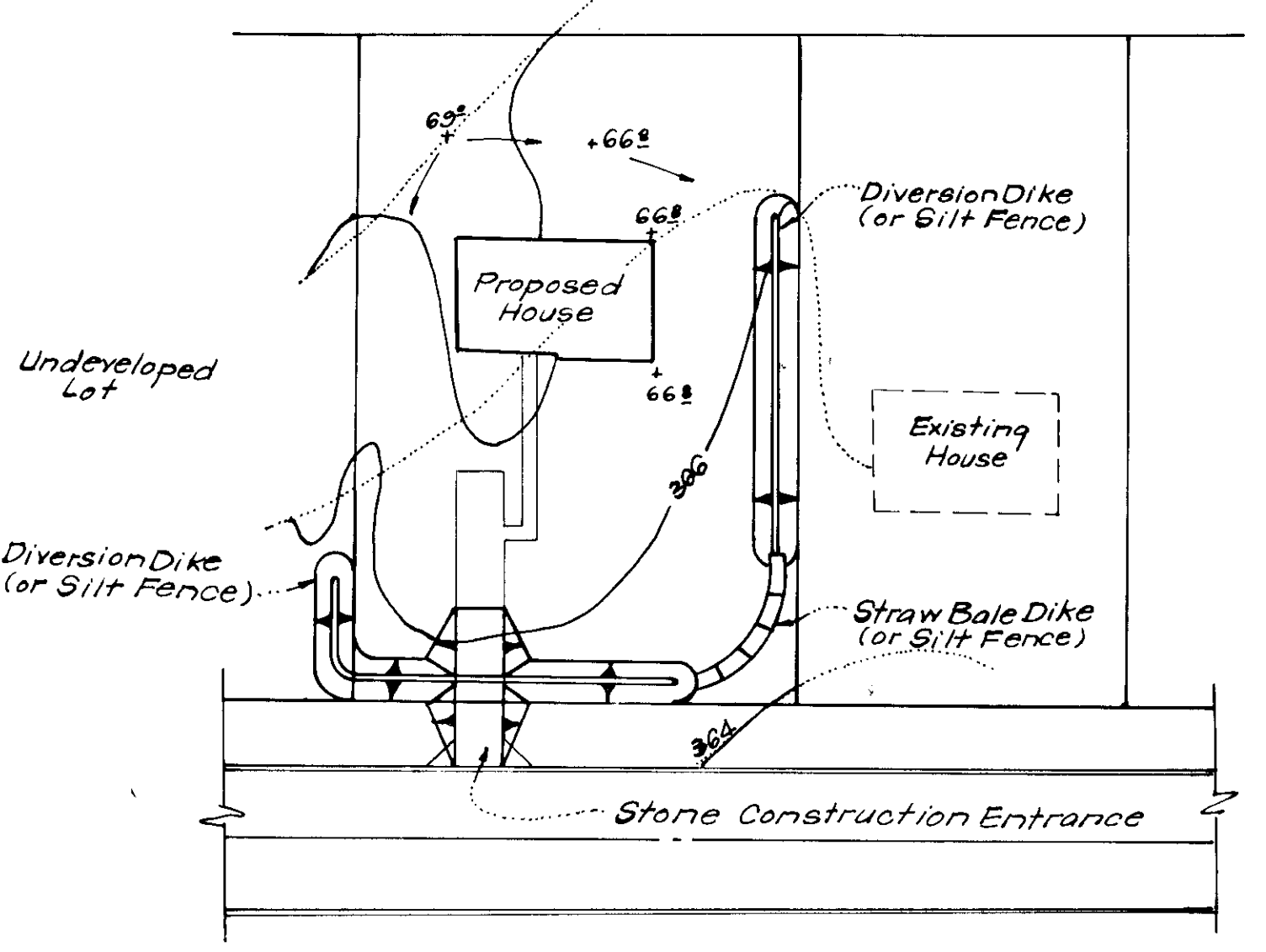
NOTE:  
1. In lieu of the use of rebar each Straw Bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).



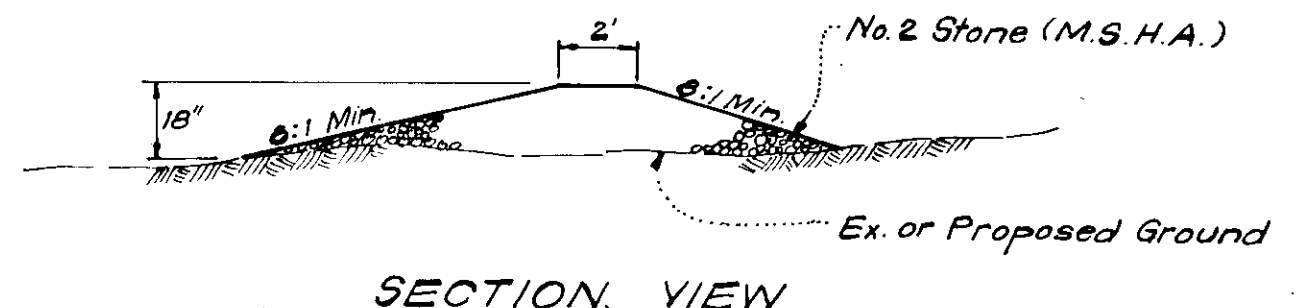
**PERIMETER DIKE (P.D.)**  
No Scale



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



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



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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER: [Signature] DATE: 6-1-79

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
PLANNING DIRECTOR: [Signature] DATE: 5-17-79  
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: [Signature] DATE: 5-29-79

CHIEF BUREAU OF ENGINEERING DATE:

Reviewed for Howard S.C.D. Name  
and meets Technical Requirements  
[Signature] Date: 5-16-79  
Signature  
U.S. Soil Conservation Service

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

[Signature] Approved 5-16-79 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 personnel employed 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.

[Signature] 4-27-79 Date  
L.B. Sargent

**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 Conserva-  
tion District.

[Signature] 2-23-79 Date  
S. Nelson Clark



APPROVED  
DIVISION OF LAND DEVELOPMENT  
HOWARD COUNTY, MARYLAND  
DATE: 4-25-79  
[Signature]

<b>CLARK • FINEFROCK &amp; SACKETT</b> ENGINEERS • PLANNERS • SURVEYORS 11315 LUCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400	
DESIGNED JLS	SCALE As Shown
DRAWN	DRAWING 3 of 3
CHECKED K.I.W.	JOB NO.
DATE Feb. 1979	FILE NO. 78-11675E
SEDIMENT & EROSION CONTROL DETAILS LOTS 234 THRU 250 <b>COLUMBIA</b> 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-79-109c	