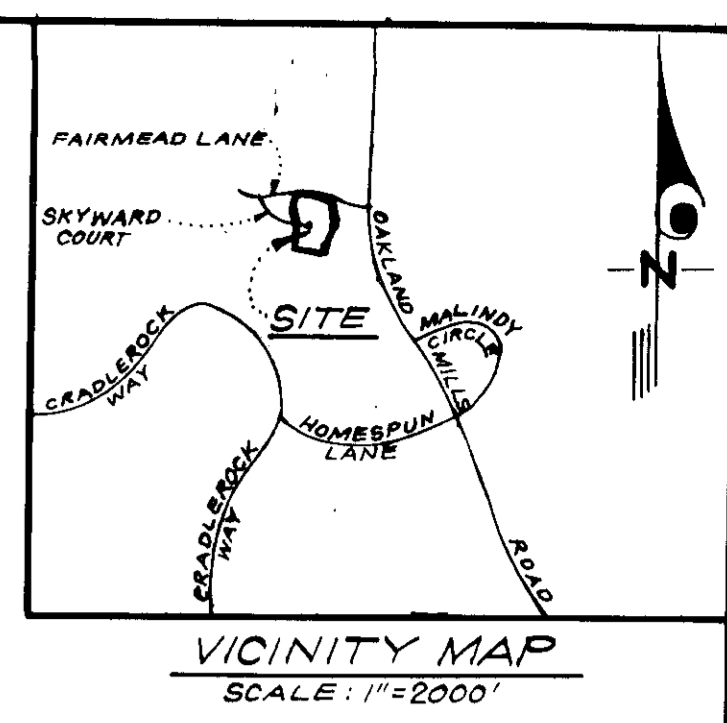


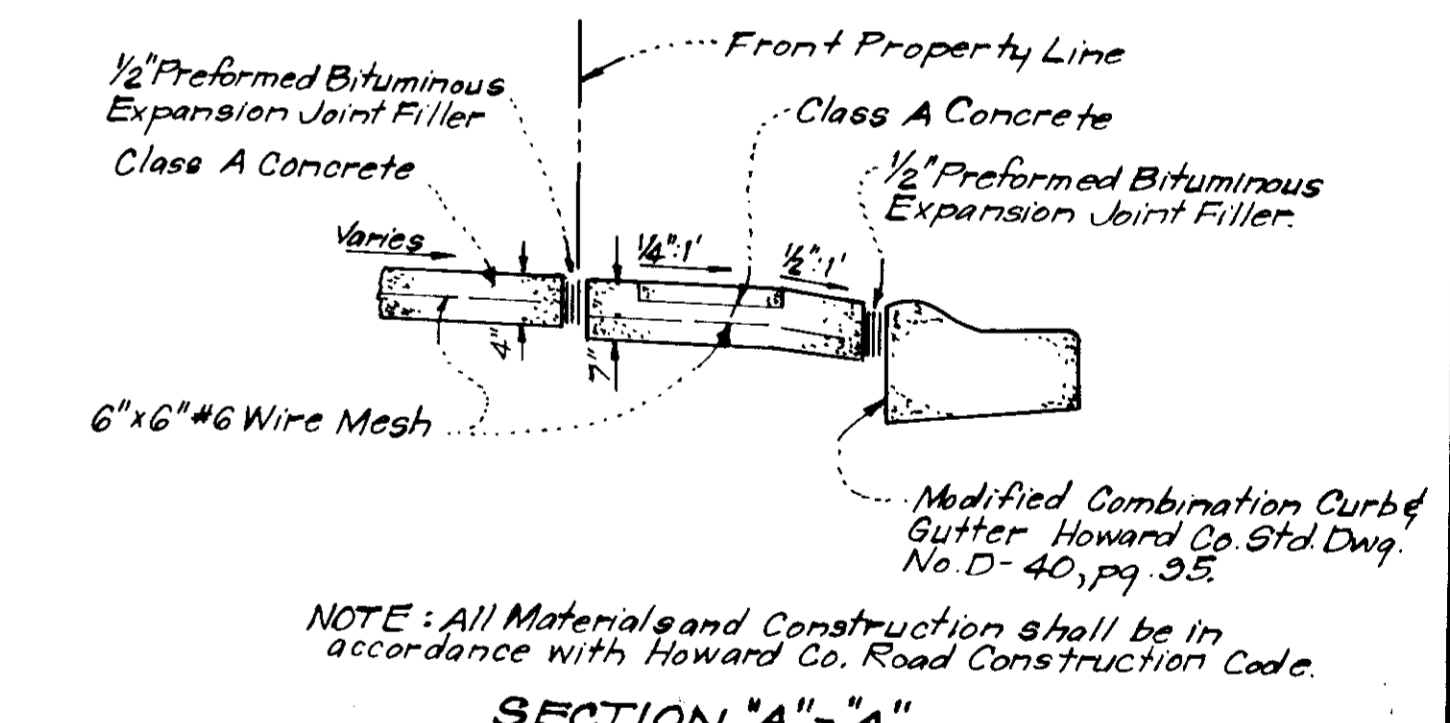
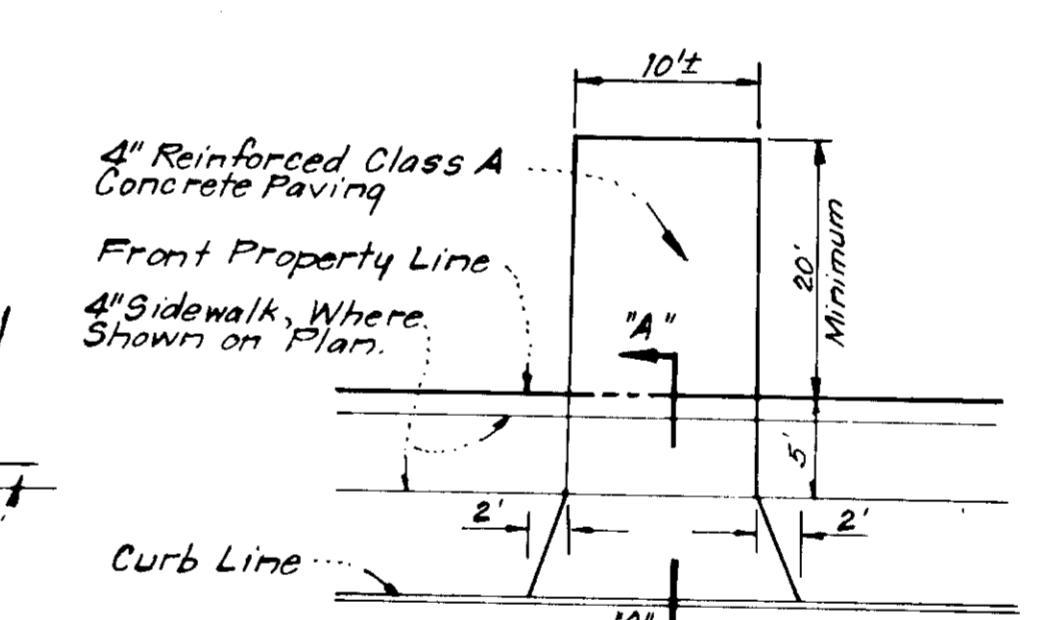
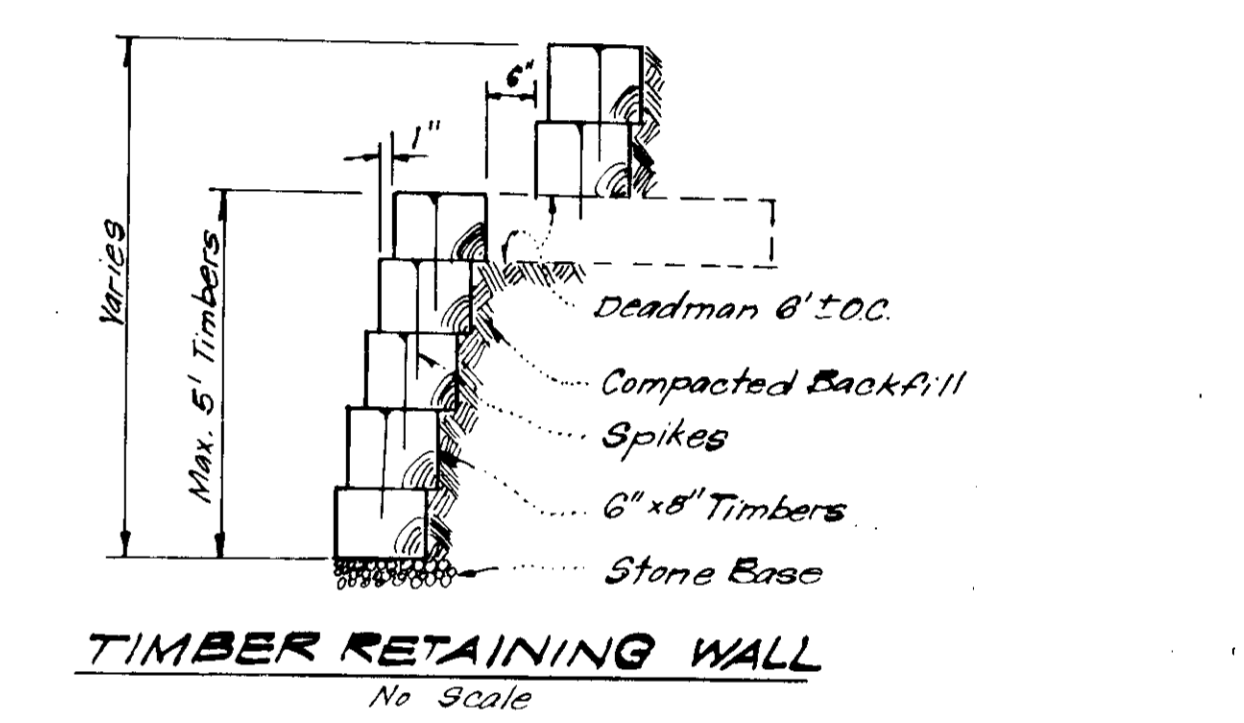
LEGEND

- 1. Contour Interval 2 FT
- 2. Existing Contours ---
- 3. Proposed Contours ---
- 4. Spot Elevations +
- 5. Direction of Drainage →
- 6. Timber Retaining Wall [Symbol]
- 7. Walk-Out Basement [Symbol]



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 146 recorded in Plat Book Folios
3. All coordinates are based on Maryland State Grid System. Elevations are based on the U.S. Coast and Geodetic Survey Mean Sea Level Datum 1929.
4. The Area covered in this submission is located on Tax Map No. 96, Parcel No. 387.
5. All roadways shown are public and are existing.
6. Any damage to County Owned Rights-of-Way or Paving shall be corrected at the Developer's expense.
7. The Area covered in this plan is 4.274 Acres.



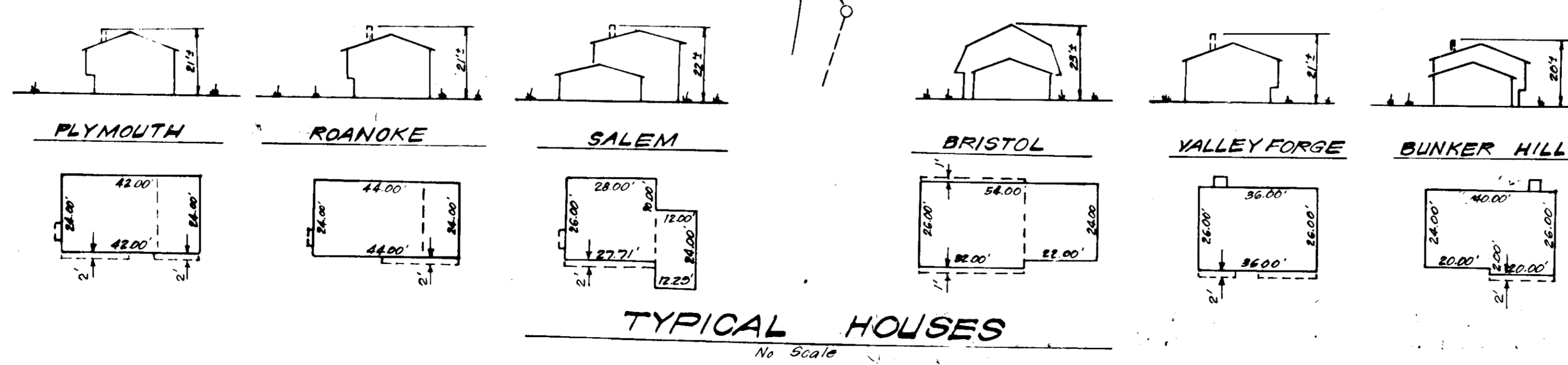
NOTE: Use Residential Driveway Entrance Howard Co. Std. Dwg. No. D-34, Pg. 89, Except where driveway abuts Modified Comb. Curb & Gutter.

APPROVED
DIVISION OF LAND DEVELOPMENT

HOWARD COUNTY, MARYLAND
DATE: 6-16-77

Donald B. Sackett

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE: 9-13-77
APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 11-1-77
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 8/31/77



Note: For Bearings and Distances of Individual Lot Lines See record plat, recorded as Plat 9688

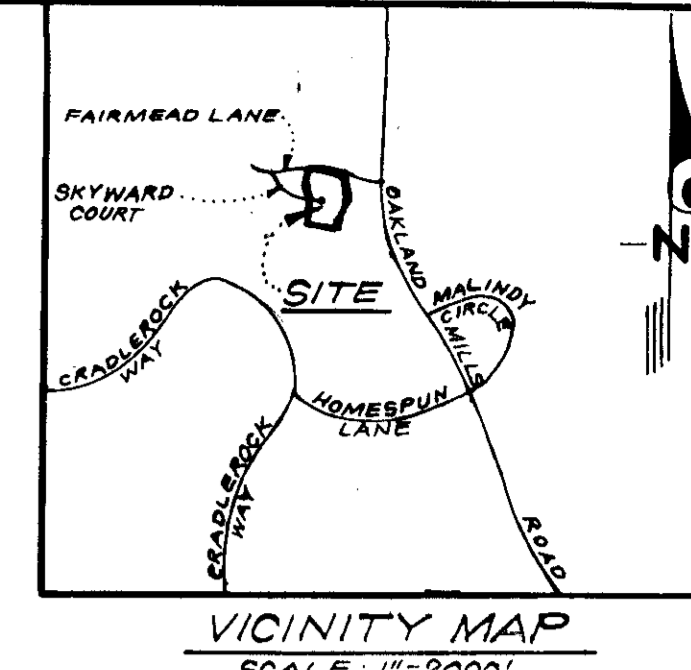
CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
13315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED D.B.S.	SITE DEVELOPMENT PLAN LOTS C-1 THRU C-17 COLUMBIA VILLAGE OF OWEN BROWN SECTION 4 AREA 1 8TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'	
DRAWN K.I.W.		DRAWING 10F3	
CHECKED D.B.S.		JOB NO.	
DATE May, 1977		FOR: THE RYLAND GROUP, INC., (Columbia Div.) Suite 200 V.O.M. Office Building Columbia, Maryland 21045	FILE NO. 1272-X
		SDP-77-98C	1243-SE



LEGEND

1. Contour Interval 2 Ft.
2. Existing Contours ---
3. Proposed Contours ---
4. Spot Elevations + 70.0
5. Direction of Drainage →
6. Timber Retaining Wall |||||
7. Diversion Dike D.D.
8. Straw Bale Dike or Silt Fence S.B.D. or S.F.
9. Stone Construction Entrance □ S.C.E.



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 146 recorded in Plat Book Folios
3. All coordinates are based on Maryland State Grid System. Elevations are based on the U.S. Coast and Geodetic Survey Mean Sea Level Datum 1929.
4. The Area covered in this submission is located on Tax Map No. 86.
5. The total area included in this plan is 4.274 Acres.
6. All roadways shown are public and are existing.
7. Any damage to County Owned Rights-of-Way or Paving shall be corrected at the Developer's expense.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER
 DATE 9-13-77

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 PLANNING DIRECTOR
 DATE 8/10/77

Reviewed for HOWARD COUNTY S.C.E. and meets Technical Requirements
 C. Wayne Plog 4/26/77
 U.S. Soil Conservation Service

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

John D. Meyer 3-26-77 Approved Date

Jeffrey Sackett 5-24-77 Signature Date

J. Nelson Clark 5-24-77 G. Nelson Clark Date

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE 6-16-77

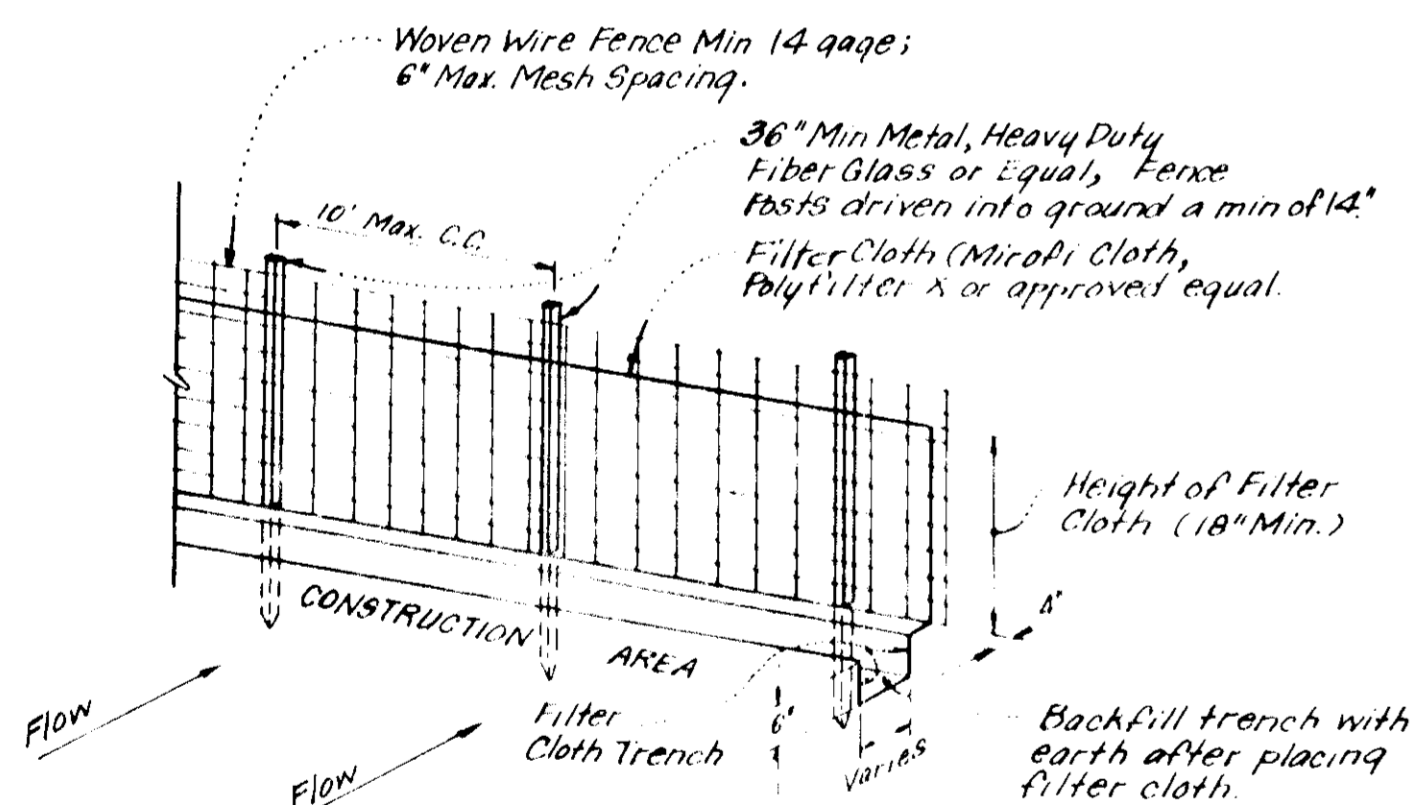
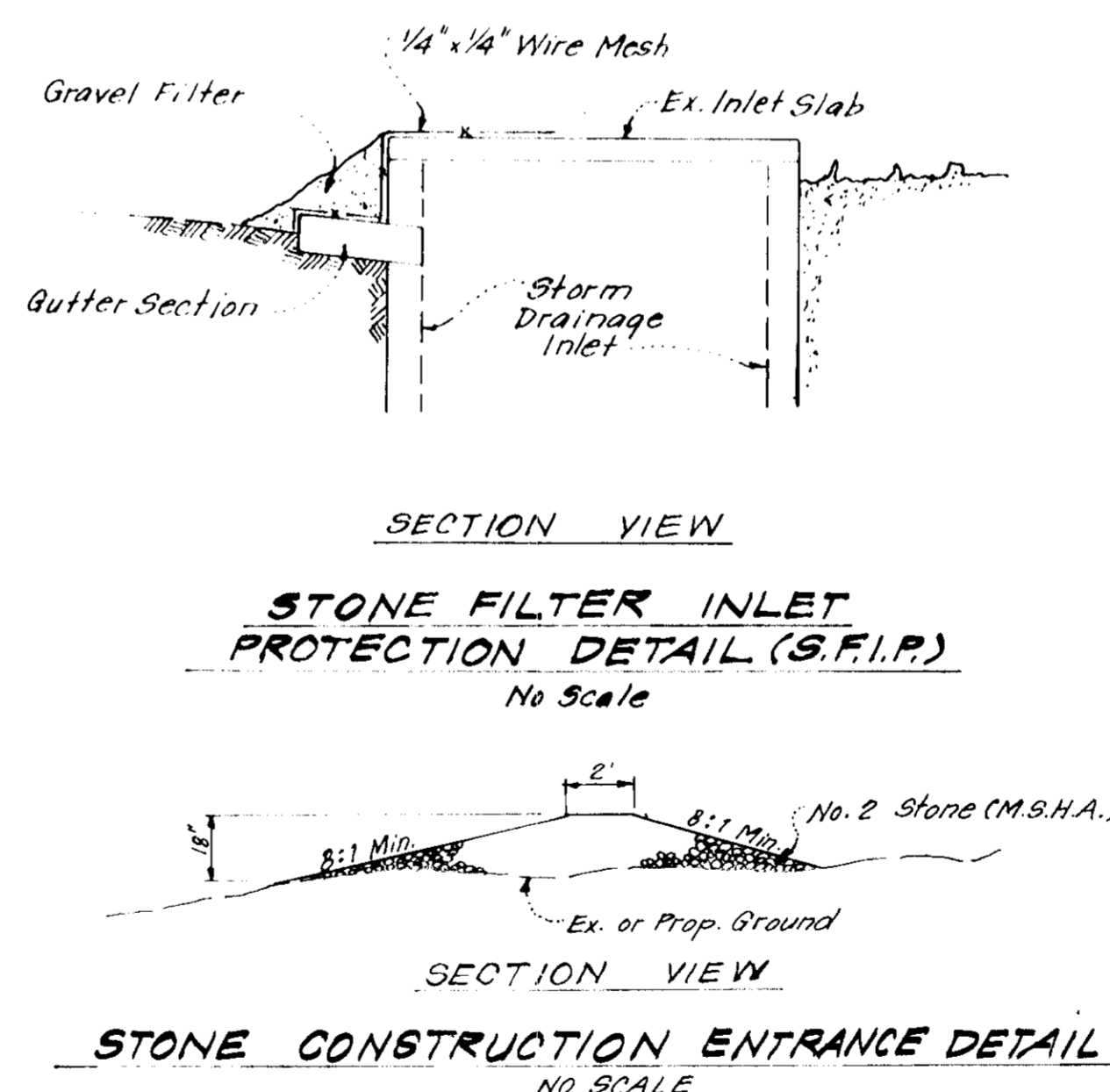
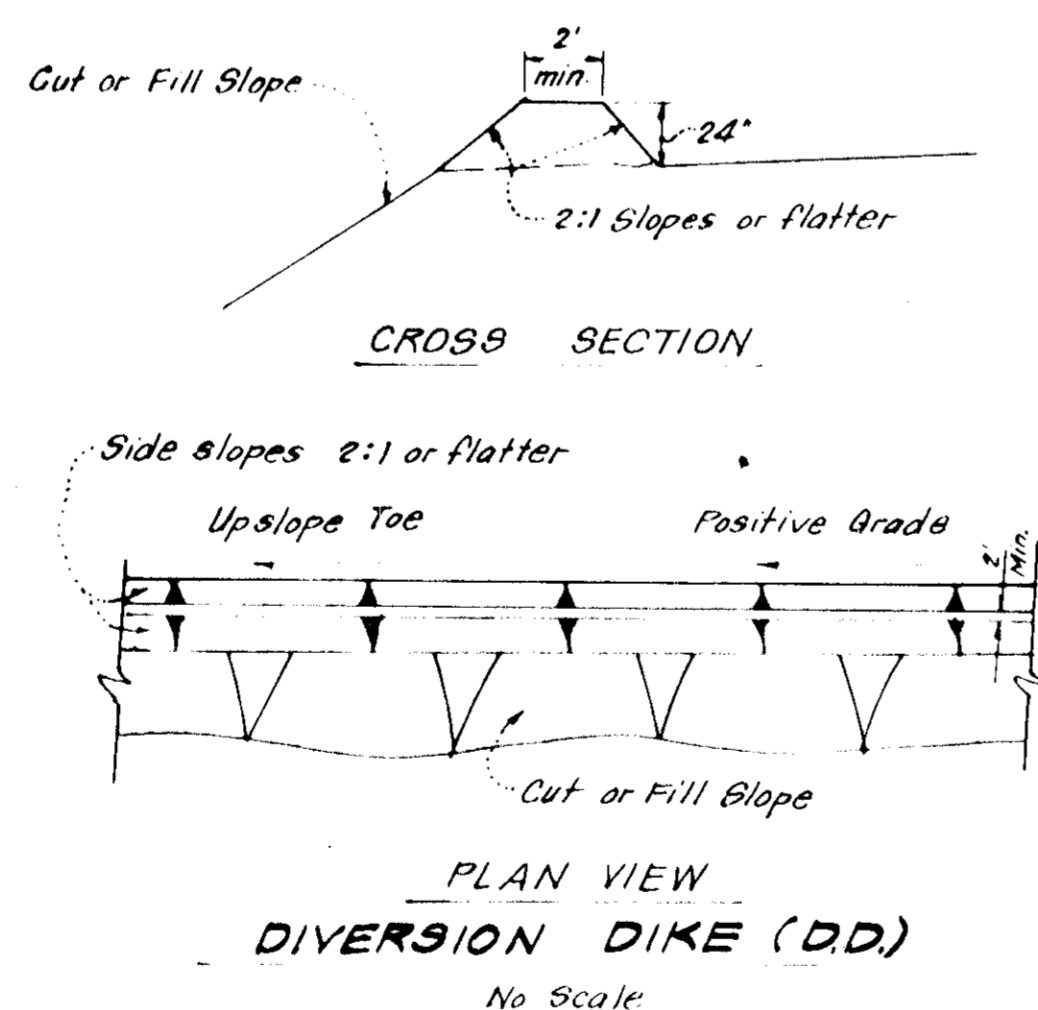
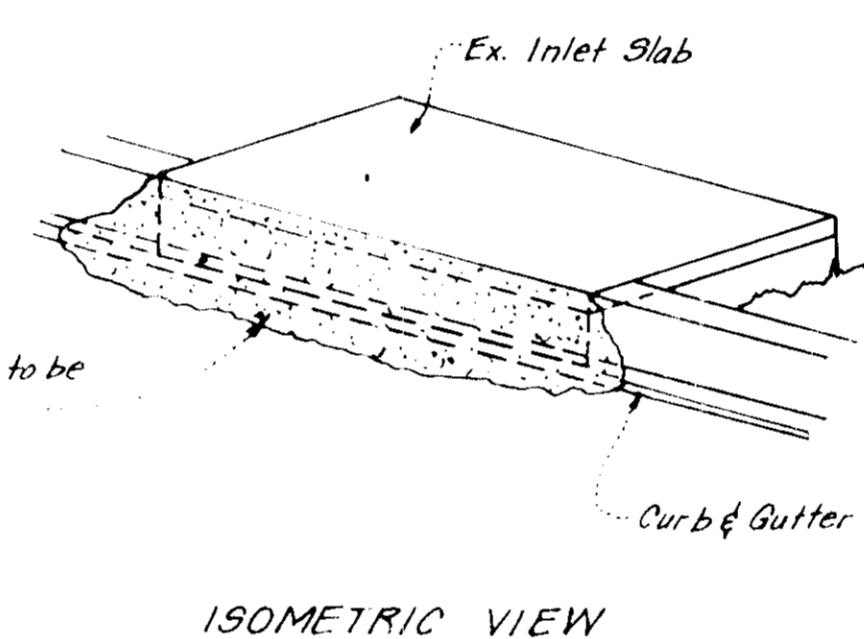
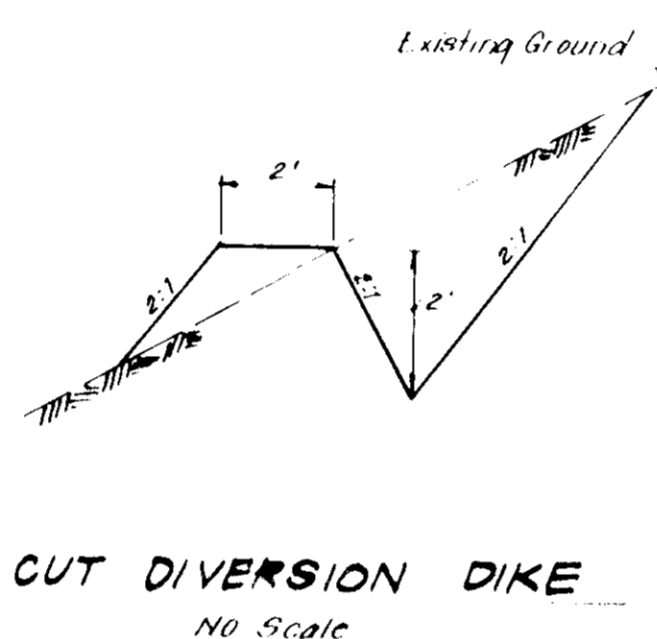
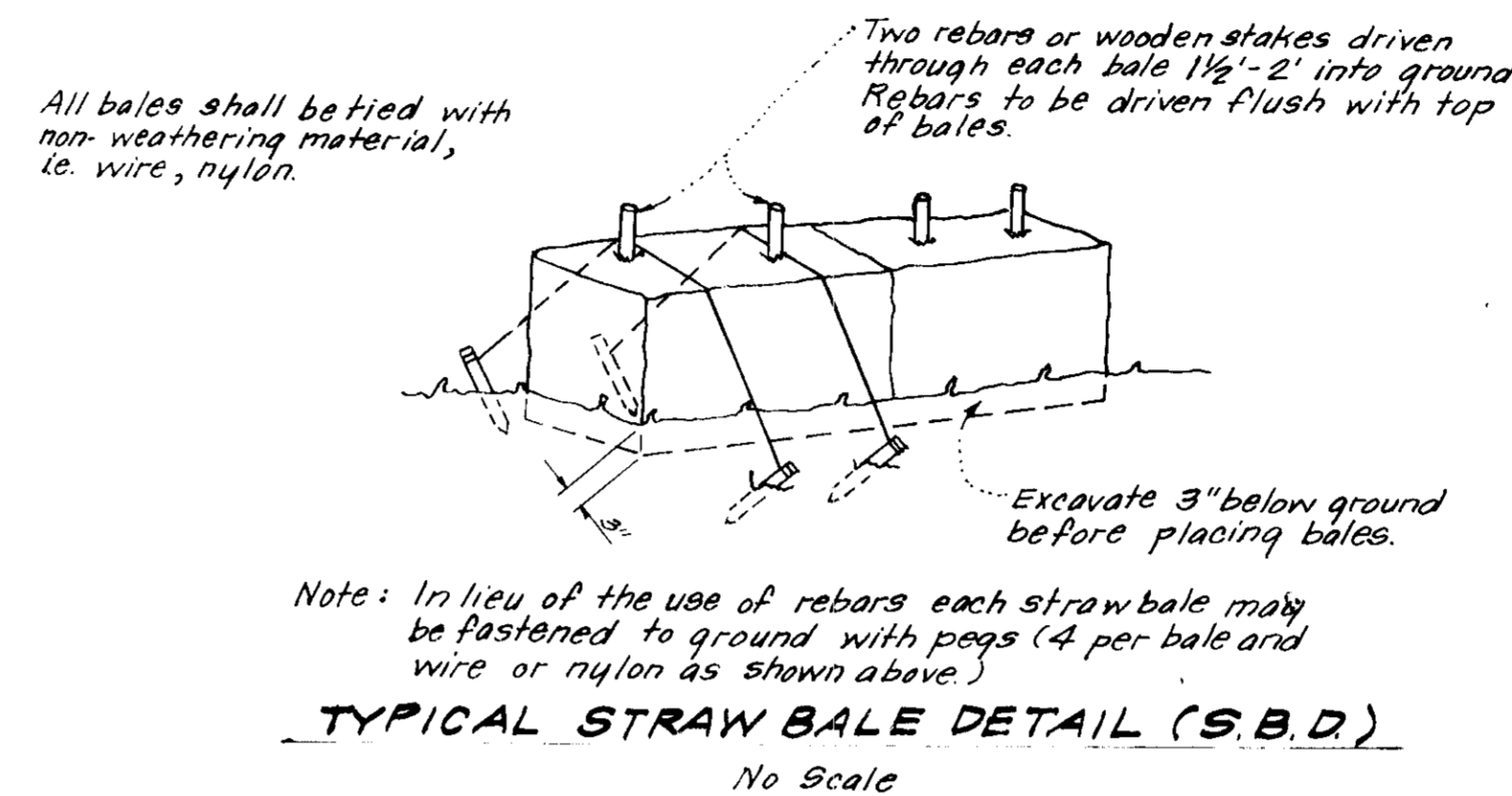
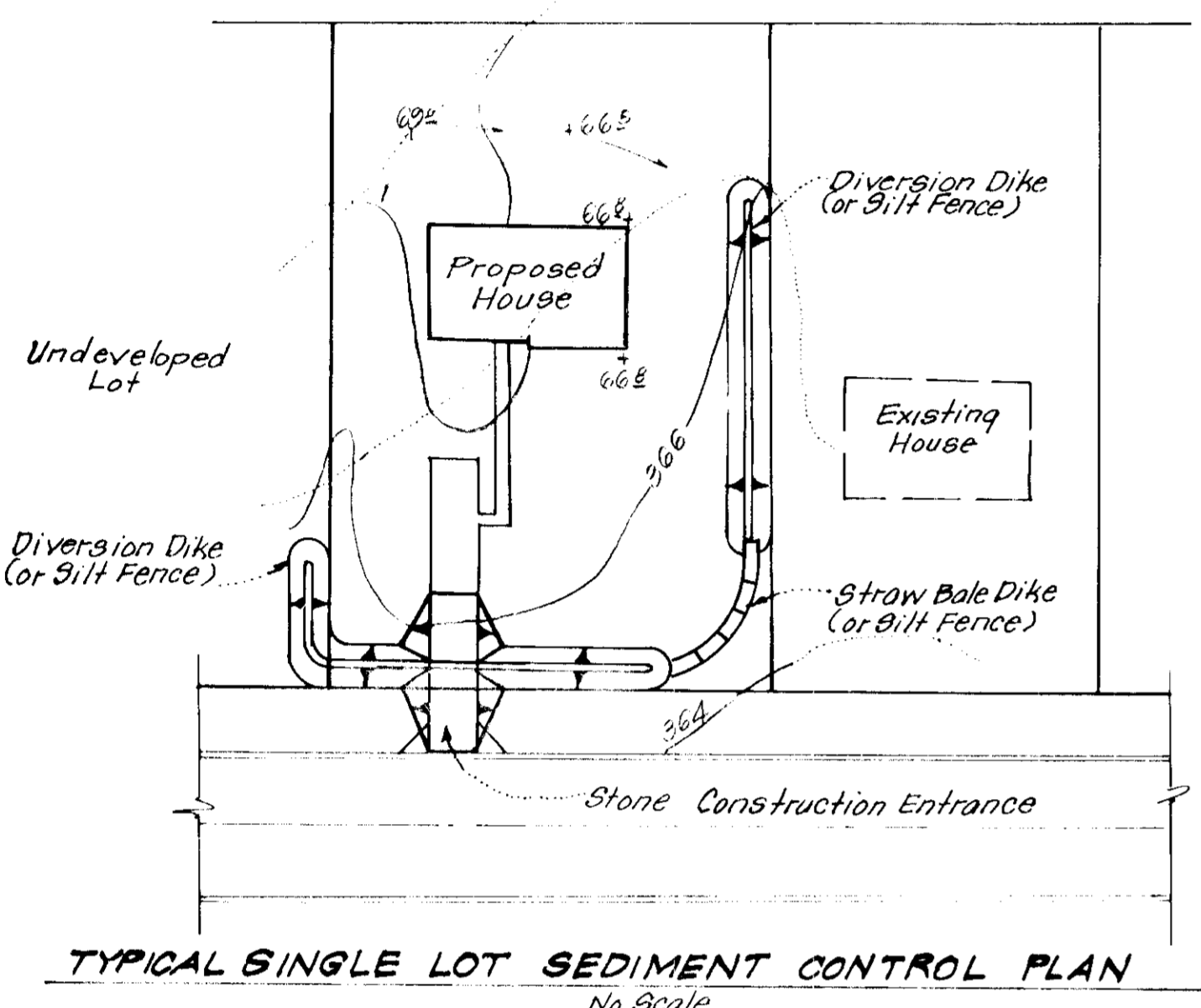
Note: For Bearings and Distances of Individual Lot Lines See record plat, recorded as Plat 3685.

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED D.B.S.	SITE DEVELOPMENT PLAN SEDIMENT EROSION CONTROL PLAN LOTS C-1 THRU C-17 COLUMBIA VILLAGE OF OWEN BROWN SECTION 4 AREA 1 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'
DRAWN K.I.W.		DRAWING 20F3
CHECKED G.N.C.		JOB NO.
DATE May, 1977		FILE NO. 1243-9E
FOR: THE RYLAND GROUP, INC., (Columbia Div.) Suite 200 V.O.M. Office Building Columbia, Maryland 21045		

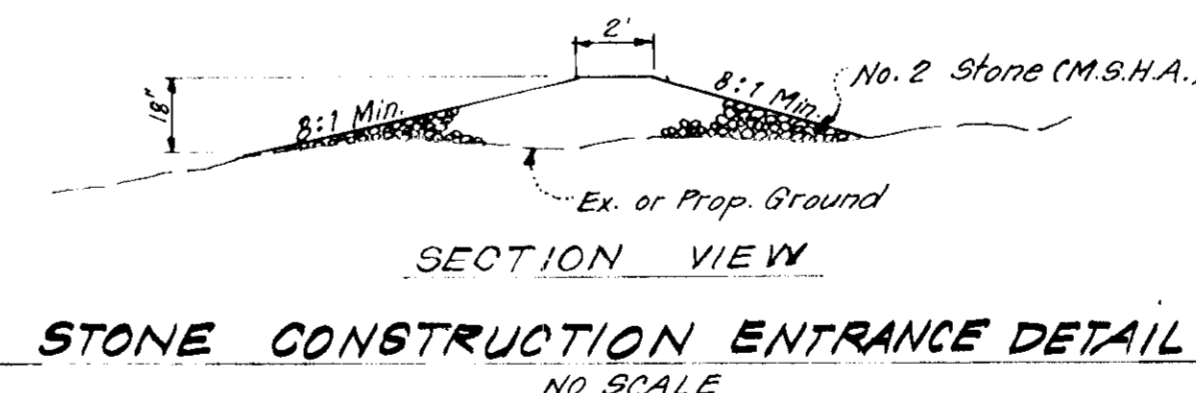
SDP-77-98c

GENERAL NOTES

- 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 #5 for stabilization except that the seed mixture will be annual rye applied at the 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 95% germination applied at the rate of 3lbs/1000 sq. ft. mixture - 40% Kentucky Blue, 20% Chewung 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 48 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 cleanup 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 bales, diversion dikes, etc.
- Site Analysis:
 - Total Area: 4.274 Acres
 - Area to be Roofed: 0.415 Acres
 - Area to be Paved: 0.289 Acres
 - Area to be Seeded: 3.065 Acres
 - Area Undisturbed: 0.505 Acres.
- The Contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.
- Stabilized Construction Entrances shall be constructed at all construction entrances.
- CONSTRUCTION SEQUENCE:
 - Install Sediment and Erosion Control Devices and stabilize Diversion Dikes.
 - Excavate for foundations and rough grade.
 - Erect Structures, drive ways and sidewalks.
 - Final grade and stabilize in accordance with General Note #5.
- 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 and Erosion Control Devices to protect stabilized areas during construction.
- Total Amount of Straw Bales or Silt Fence = 235 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".



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICE
 DATE: 9-13-77

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 & PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 8/25/77

CHIEF, BUREAU OF HIGHWAYS
 DATE: _____

Reviewed for HOWARD COUNTY SCD
 and meets Technical Requirements
 C. Wayne King 8/26/77
 Signature Date
 U.S. Soil Conservation Service

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

John D. Myers 8-26-77
 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 and their authorized agents as are deemed necessary to insure that the plan would be followed in accordance with the Howard Soil Conservation District.

Jeffrey A. Carpenter 6/16/77
 Signature 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 6-16-77
 Date



CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 993-3400

DESIGNED: D.B.S. SCALE: As Shown
 DRAWN: K.I.W. DRAWING: 3 of 3
 CHECKED: G.N.C. JOB NO:
 DATE: June, 1977 FILE NO.: 1243-SE

SITE DEVELOPMENT PLAN
SEDIMENT & EROSION CONTROL PLAN
 LOTS C-1 THRU C-17
COLUMBIA
 VILLAGE OF OWEN BROWN
 SECTION 4
 6th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: THE RYLAND GROUP, INC. (Cal. Division)
 Suite 200 V.O.M. Office Bldg.
 Columbia, Maryland 21045

SDP-77-98c