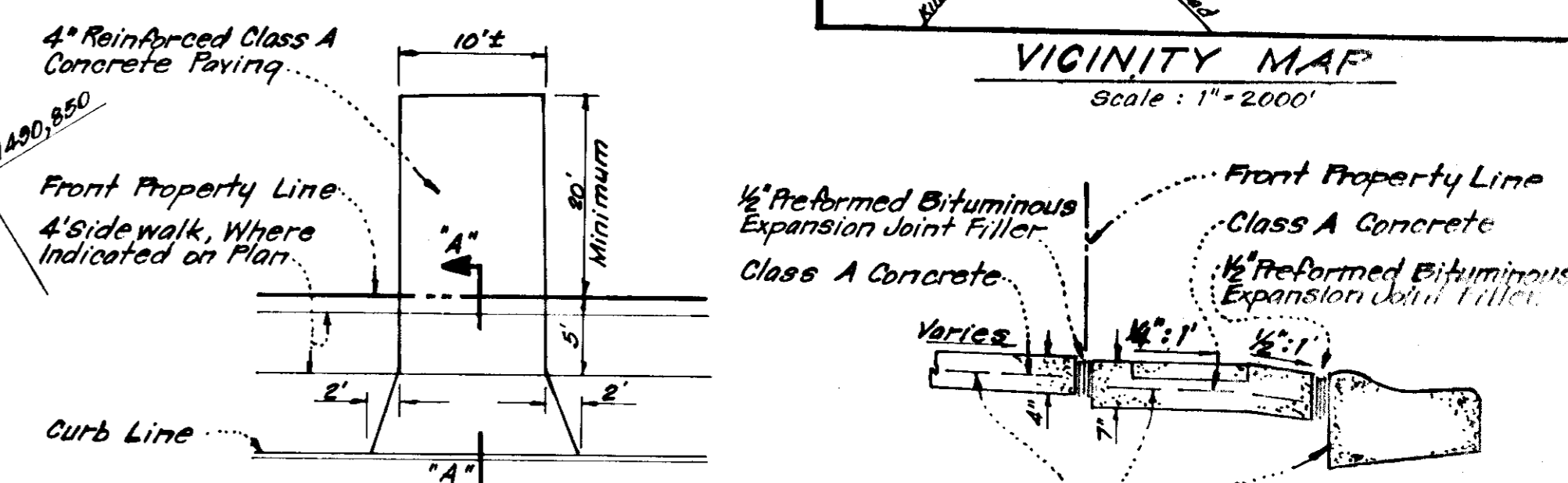
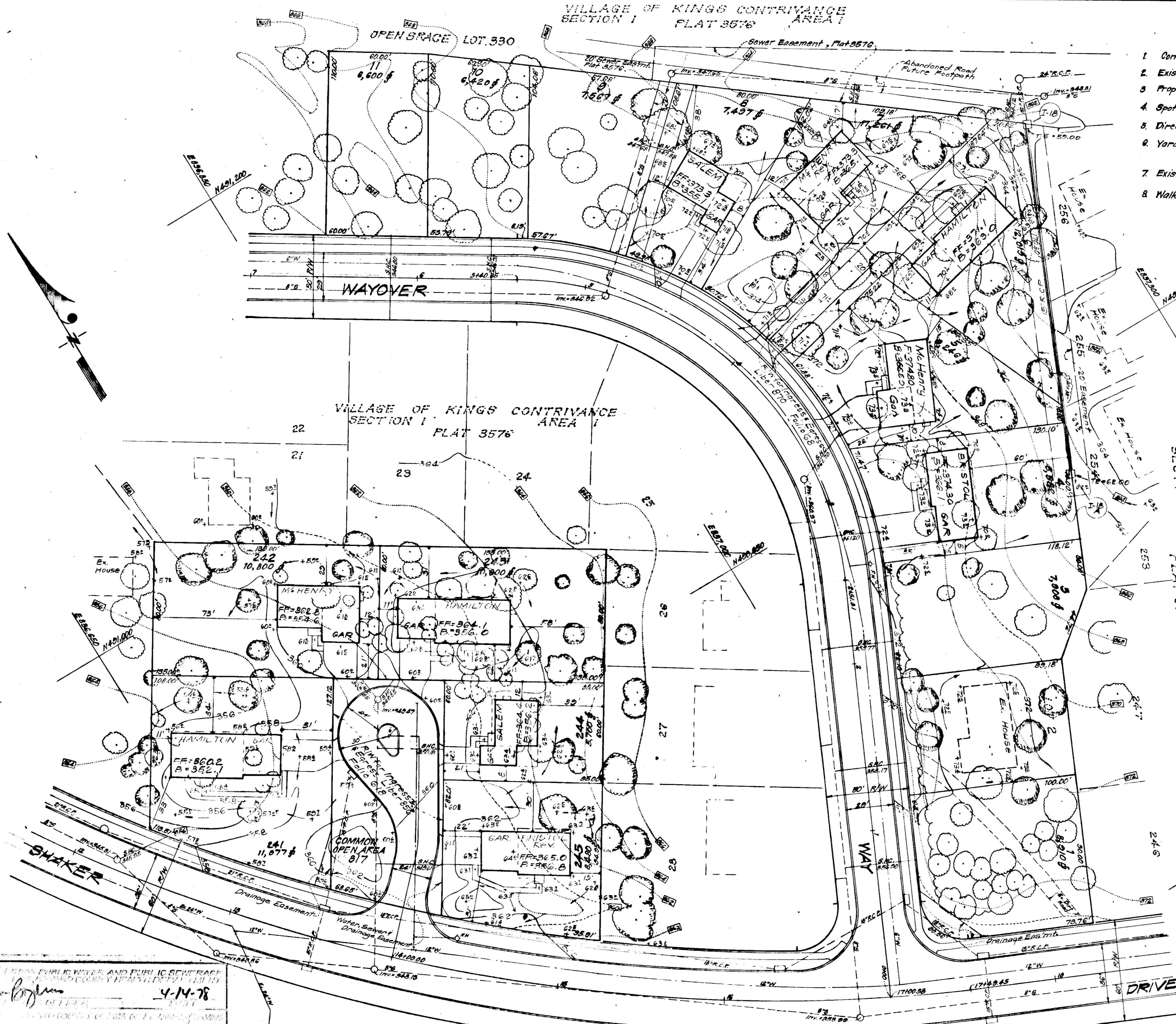
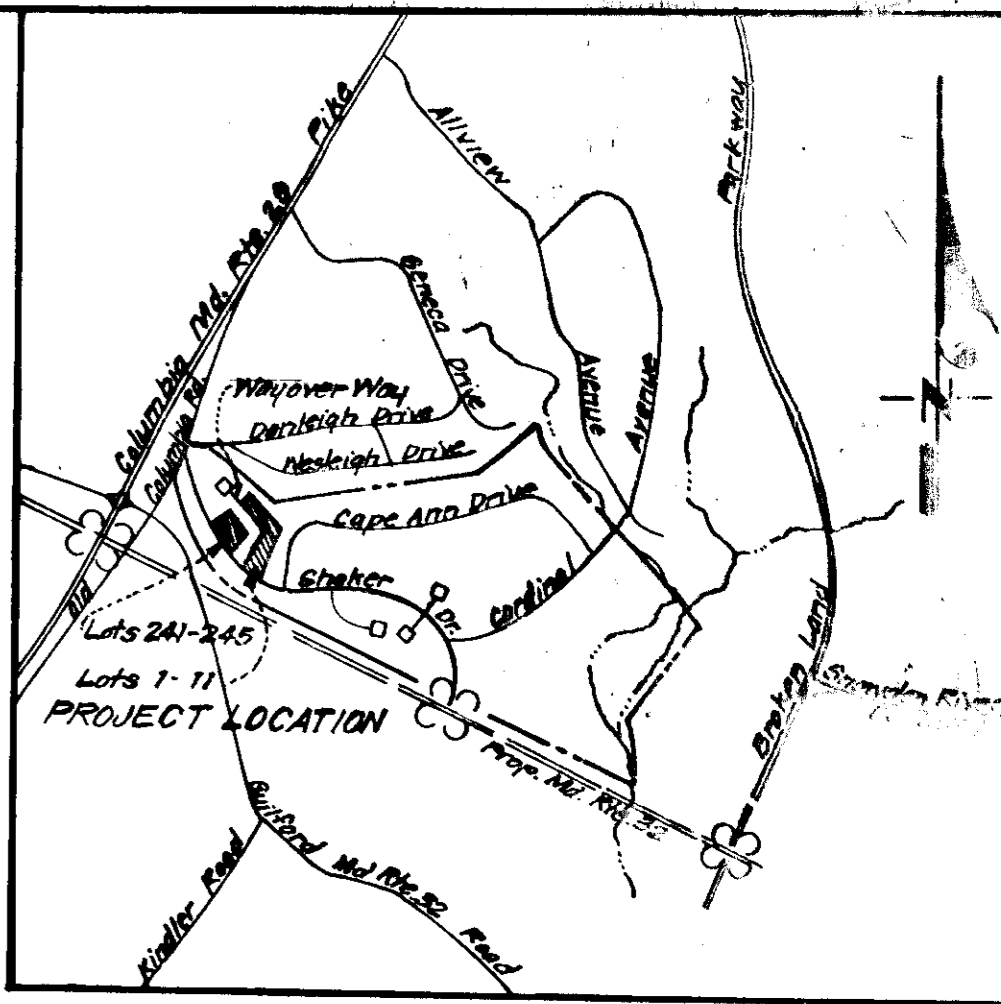


VILLAGE OF KINGS CONTRIVANCE SECTION I PLAT 3576 AREA I

LEGEND

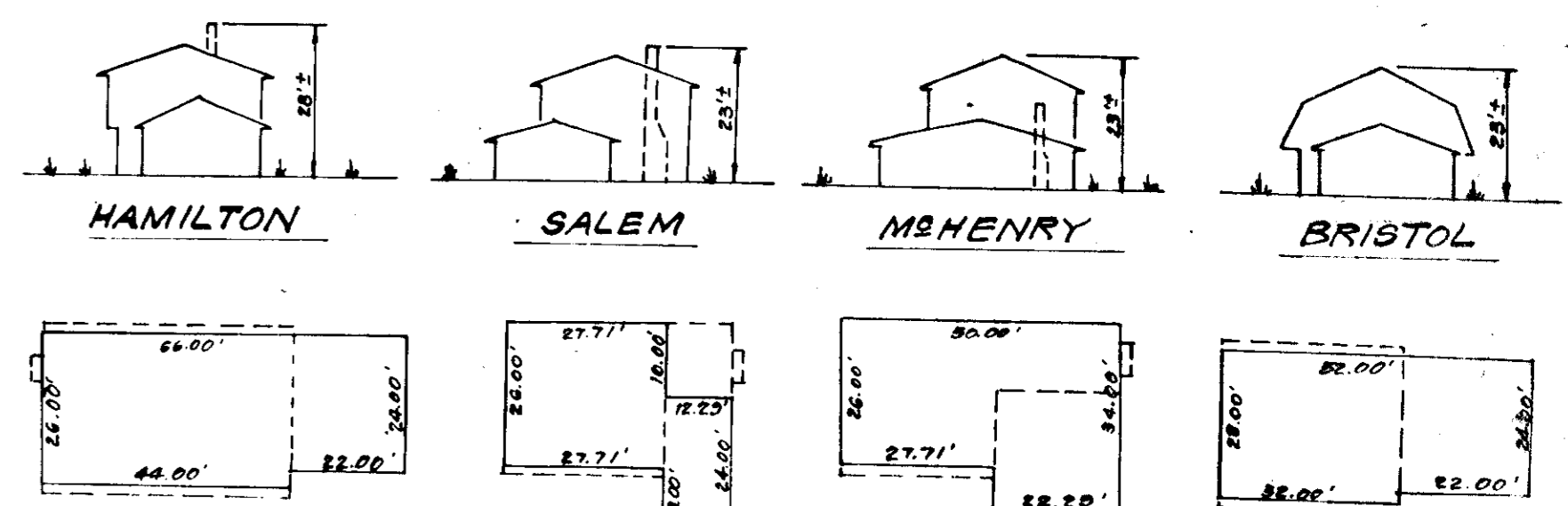
- 1 Contour Interval 2 Ft.
- 2 Existing Contour
- 3 Proposed Contour
- 4 Spot Elevation +622
- 5 Direction of Drainage
- 6 Yard Requirements: Front: 20 Ft. on 60' Wide Street
80 Ft. on 60' Wide Street
Side: 7.5 Ft. (Min.)
- 7 Existing Trees to be Retained
- 8 Walk-Out Basement



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

NOTE: All Materials and Construction shall be in accordance with Howard Co. Road Construction Code.

DRIVEWAY ABUTTING MODIFIED COMB CURB & GUTTER NO SCALE



TYPICAL HOUSES

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 148 recorded in P.B. 28, Folios 70 to 79.
3. All Coordinates are based on Maryland State Grid System. Elevations are based on U.S. Coast and Geodetic Survey Mean Sea Level Datum of 1929.
4. The Area covered in this submission is located on Tax Map No. 42.
5. The total Area Included in this plan is 2.211 Acres.
6. All roadway are Public & Existing.
7. Any damage to County owned Right of Ways or Paving shall be corrected at the developers expense.

NOTE: For Bearings and Distances of Individual Lot Lines See Record Plat recorded as Plat 3576.

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 1-4-78

Should B. Sackett

Richard E. Sreudenberger 4/7/78

THE HOWARD RESEARCH AND DEVELOPMENT CORP.
463 / 136

CLARK • FINFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS

DESIGNED BY: DR.H.
DRAWN BY: K.L.W.
CHECKED BY: D.A.G.
DATE: Nov. 1977

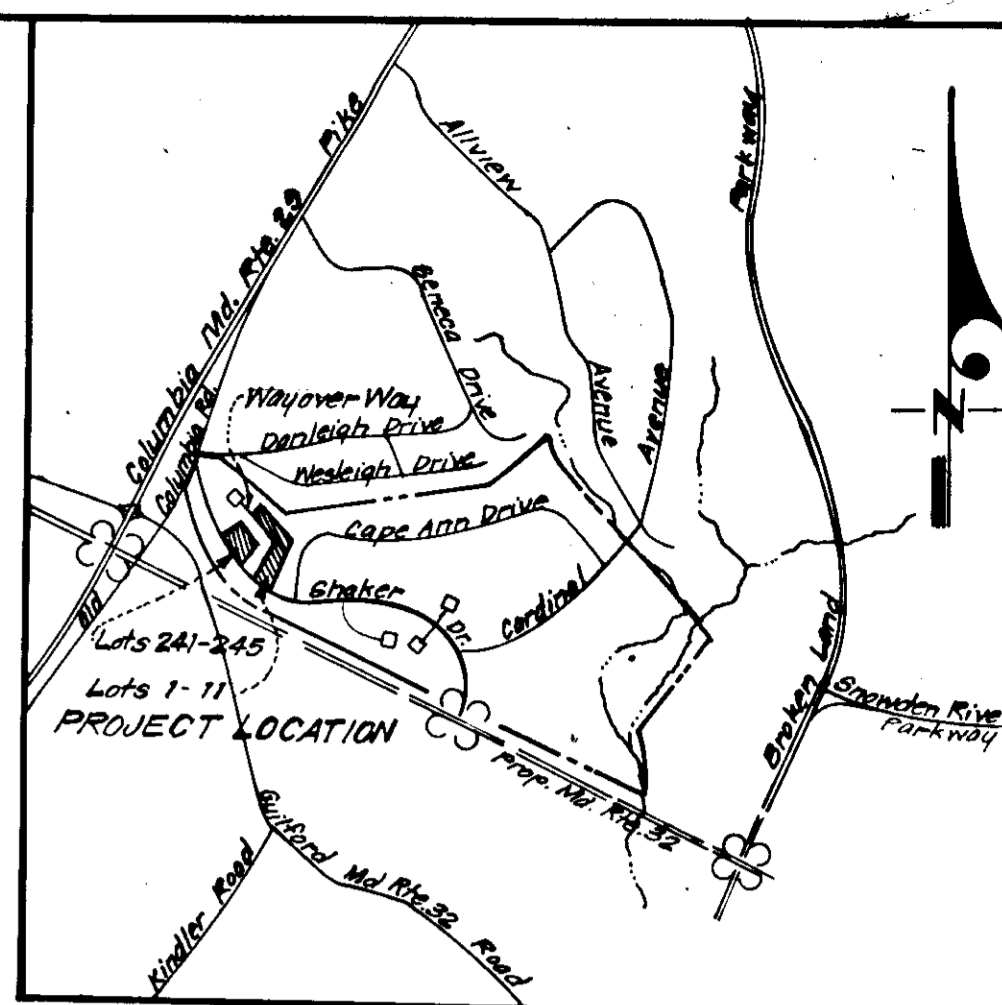
PROJECT: SITE DEVELOPMENT PLAN FOR LOTS 4 THRU 8, LOTS 241 THRU 245, COLIMETA VILLAGE OF KINGS CONTRIVANCE SECTION I HOWARD COUNTY, MARYLAND

S.D.P. 18-59 C

VILLAGE OF KINGS CONTRIVANCE SECTION I PLAT 3576 AREA I

LEGEND

1. Contour Interval 2 Ft.
2. Existing Contour
3. Proposed Contour
4. Spot Elevation +62E
5. Direction of Drainage
6. Yard Requirements: Front: 20 Ft. on 60' Wide Street
80 Ft. on 60' Wide Street
Side: 7.5 Ft. (Min.)
7. Existing Trees to be Retained
8. Walk-Out Basement
9. Diversion Dike
10. Straw Bale Dike or Silt Fence
11. Stone Filter Inlet Protection
12. Stone Construction Entrance



VICINITY MAP
Scale: 1" = 2000'

Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
A. Wagner 3/31/78
Signature Date
U.S. Soil Conservation Service

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

W.S. EARP 3-30-78
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 or their authorized agents as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

Jeffrey Chapter 11-7-77
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.

APPROVED
DIVISION OF LAND DEVELOPMENT

HOWARD COUNTY, MARYLAND
DATE 1-4-78

G. Nelson Clark 11-30-77
Signature Date

NOTE: For Bearings and Distances of Individual Lot Lines See Record Plat recorded as Plat 3576.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Joseph Gordon 4-14-78
HEALTH OFFICER DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Richard Freudenberg 4-7-78
DIRECTOR DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
W.O. Albert 4-6-78
CHIEF BUREAU OF ENGINEERING DATE

THE HOWARD RESEARCH AND DEVELOPMENT CORP.
483 / 126

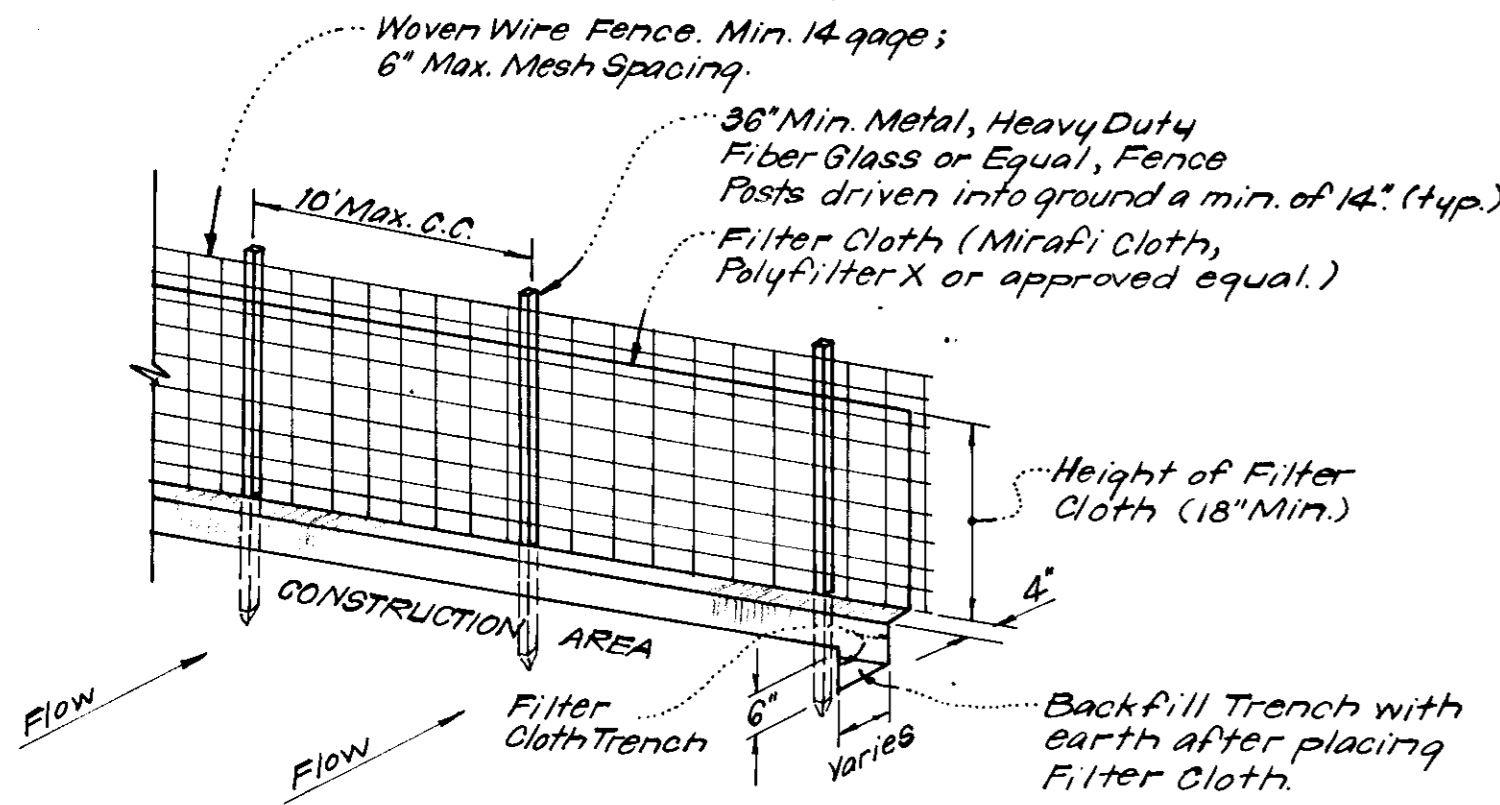


CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS		13115 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400
DESIGNED D.R.H.	SITE DEVELOPMENT PLAN SEDIMENT & EROSION CONTROL PLAN LOTS 241 THRU 245	SCALE 1" = 30'
DRAWN K.I.W.	COLUMBIA	DRAWING 2 of 3
CHECKED G.N.C.	VILLAGE OF KINGS CONTRIVANCE SECTION I 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.
DATE Nov, 1977	FOR: THE RYLAND GROUP INC. (Columbia Div.) Suite 200 V.O.M. Office Building Columbia, Maryland 21046	FILE NO. 1267-SE

SDP-78-59c See Also H.C. 800 1242-X

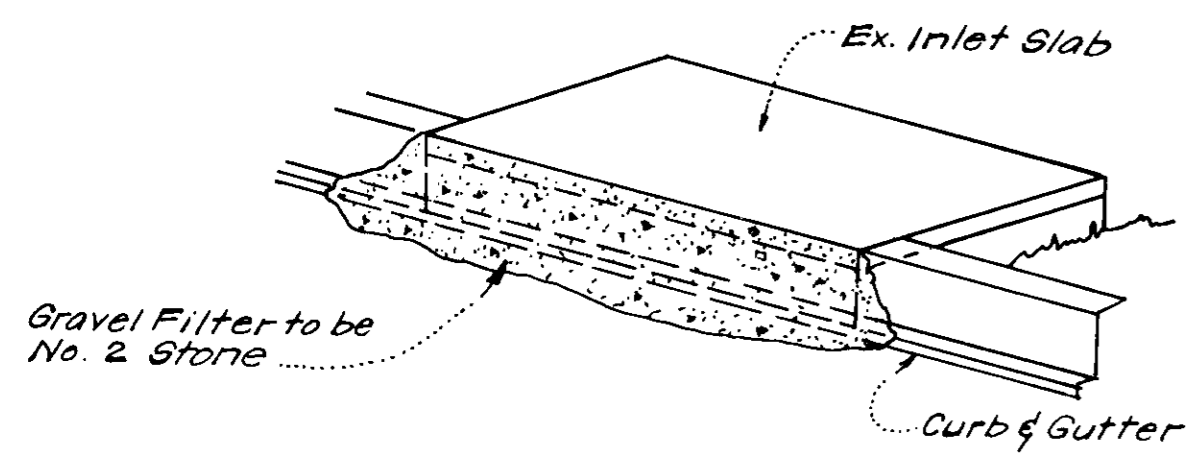
GENERAL NOTES

- 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 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 2 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 30 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 constructed at all construction entrances.
- SITE ANALYSIS:**
 - Total Area = 2.211 Acres
 - Area to be Roofed = 0.340 Acres
 - Area to be Paved = 0.206 Acres
 - Area to be Seeded = 0.334 Acres
 - Area Undisturbed = 1.331 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 #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 & Erosion Control Devices to protect stabilized areas during construction.
- Total Amount of Straw Bales or Silt Fence shown = 190 L.F.

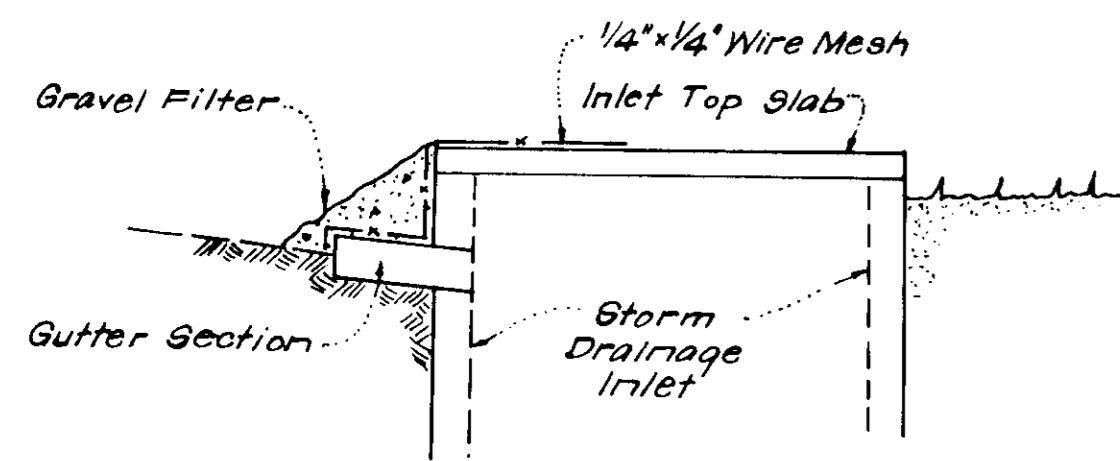


NOTES:
 1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
 2. Filter Cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24" x 24".

SILT FENCE DETAIL (S.F.)
 No Scale

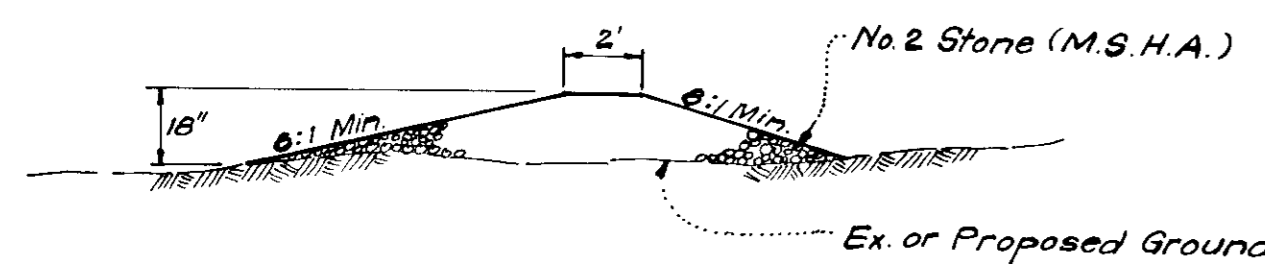


ISOMETRIC VIEW



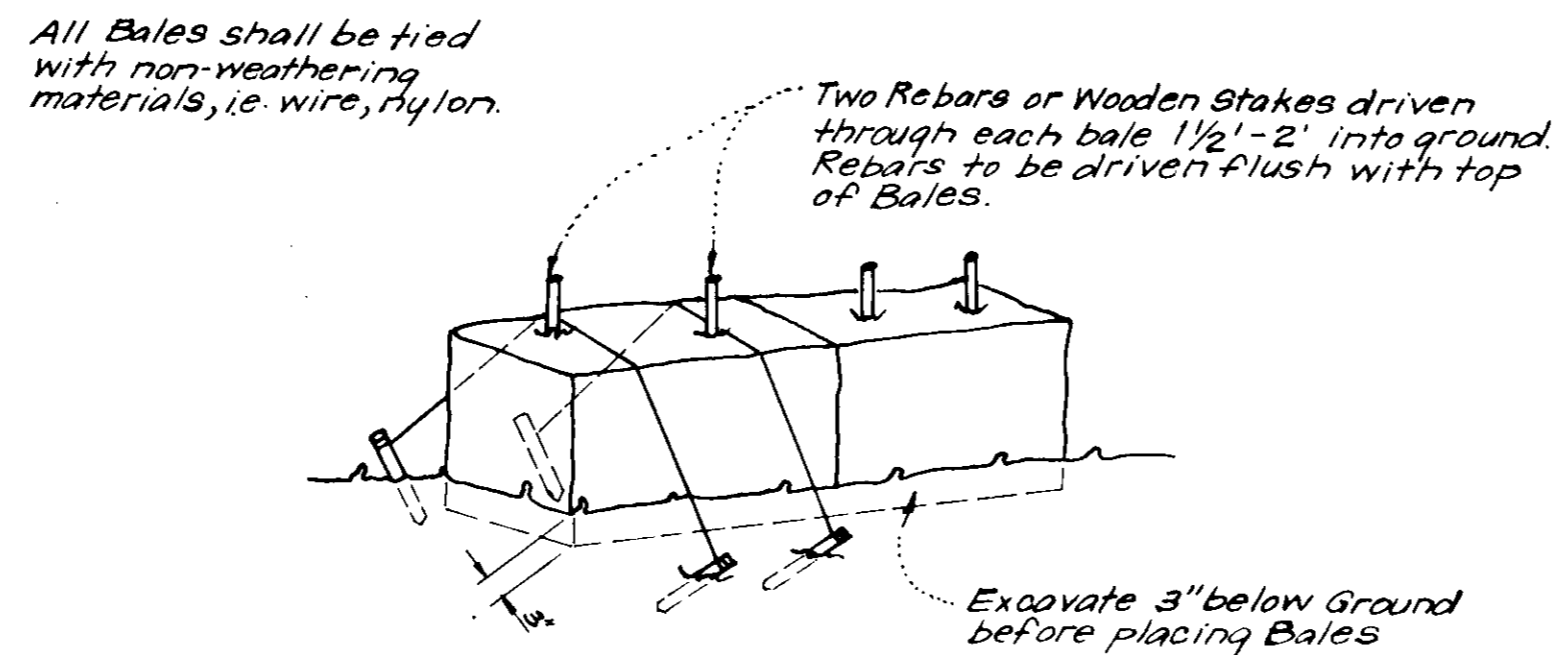
SECTION VIEW

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



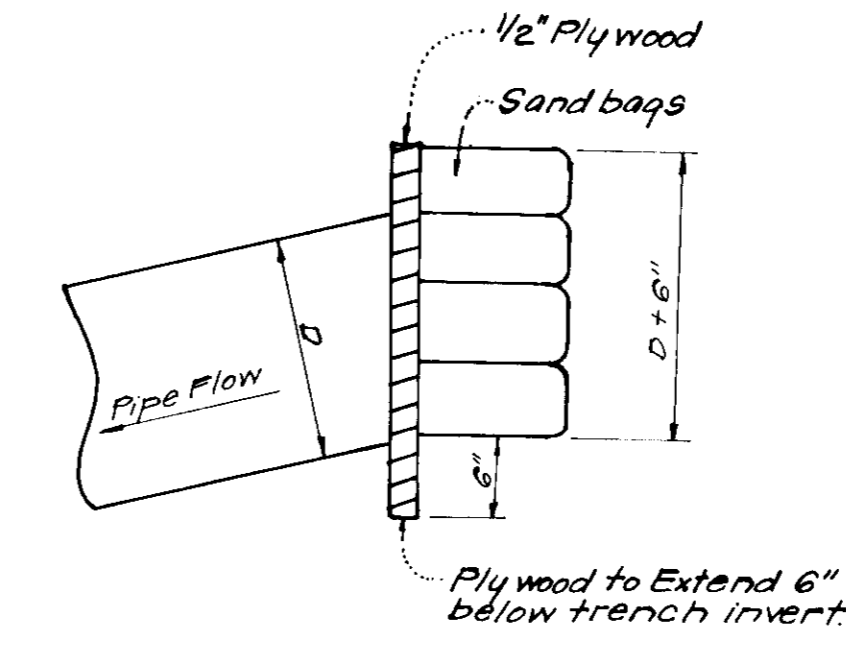
SECTION VIEW

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

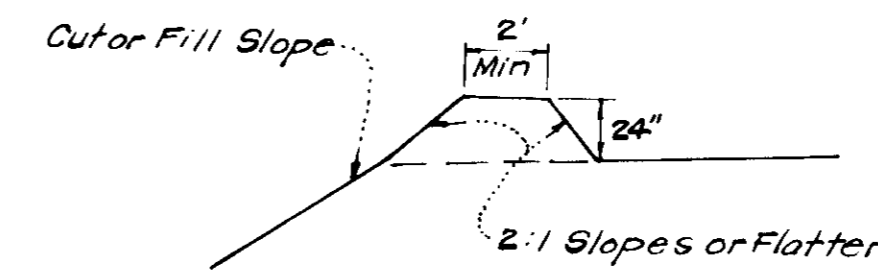


NOTE:
 1. In lieu of the use of rebar each Straw Bale may be fastened to ground with pegs (4 per bale) and wire or nylon as shown above.

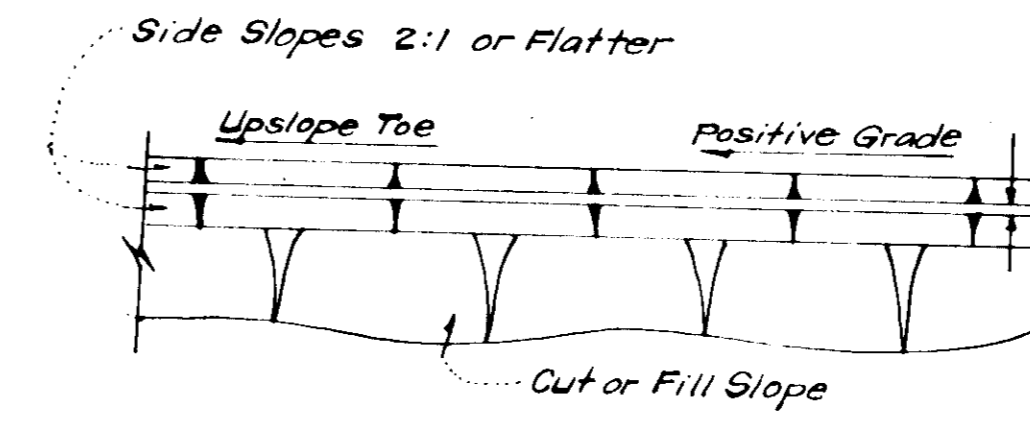
TYPICAL STRAW BALE DETAIL (S.B.D.)
 No Scale



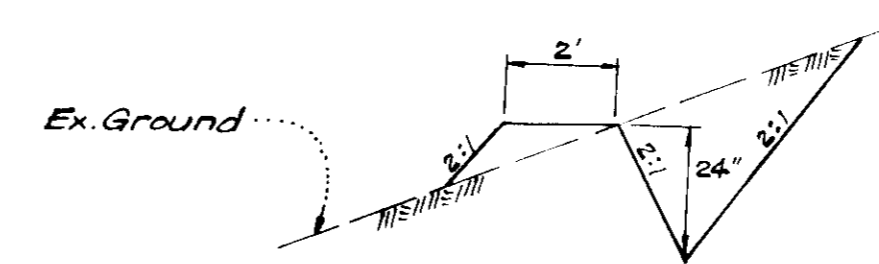
PIPE BLOCKING DETAIL
 No Scale



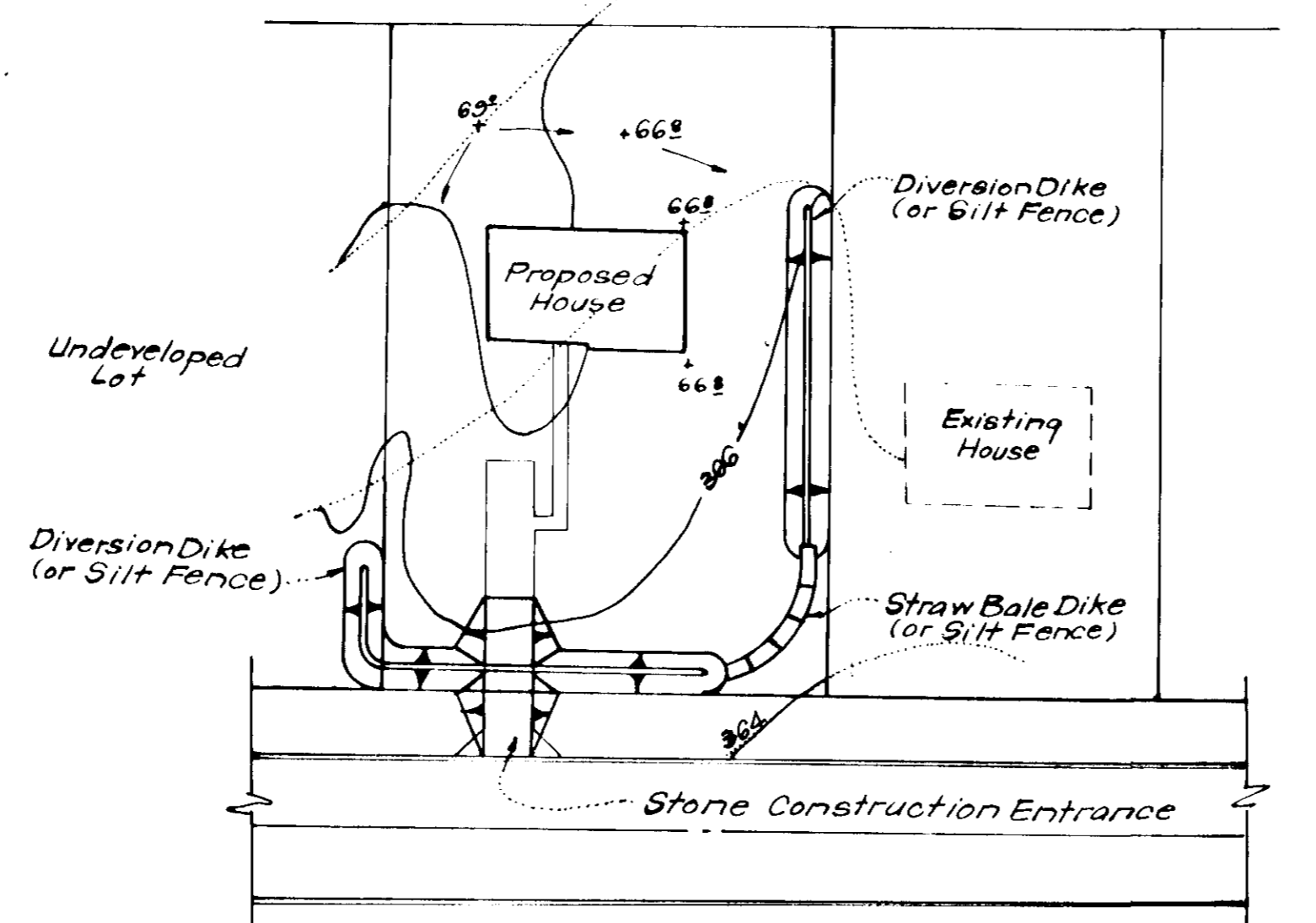
CROSS SECTION



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



CUT DIVERSION DIKE
 No Scale



TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
 No Scale

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE 4-14-78
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 4-7-78
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 4-1-78

Reviewed for... HOWARD... S.C.D.
 Name
 and meets Technical Requirements
 Signature: B. Wayne Ray Date: 3/31/78
 U.S. Soil Conservation Service

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

Approved: [Signature] Date: 3-30-78

DEVELOPER'S CERTIFICATE

I certify that all development and/or construction will be done according to the 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: [Signature] Date: 12-1-77

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.

Approved: [Signature] Date: 11-20-77



APPROVED
 DIVISION OF LAND DEVELOPMENT

HOWARD COUNTY, MARYLAND

DATE 1-4-78

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED	DR.H.	SCALE
DRAWN	K.I.W.	A3 310x17
CHECKED	G.N.C.	DRAWING
DATE	Nov., 1977	3 of 3
SITE DEVELOPMENT PLAN SEDIMENT & EROSION CONTROL PLAN LOTS 4 THRU 8 & LOTS 24 THRU 245 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 1 AREA 1 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: THE RYLAND GROUP, INC. (Col. Division) Suite 200 W.O.M. Office Building Columbia, Maryland 21045		JOB NO. FILE NO. 1267 SE

SDP-78-59c See Also: HC 306 12-0-X