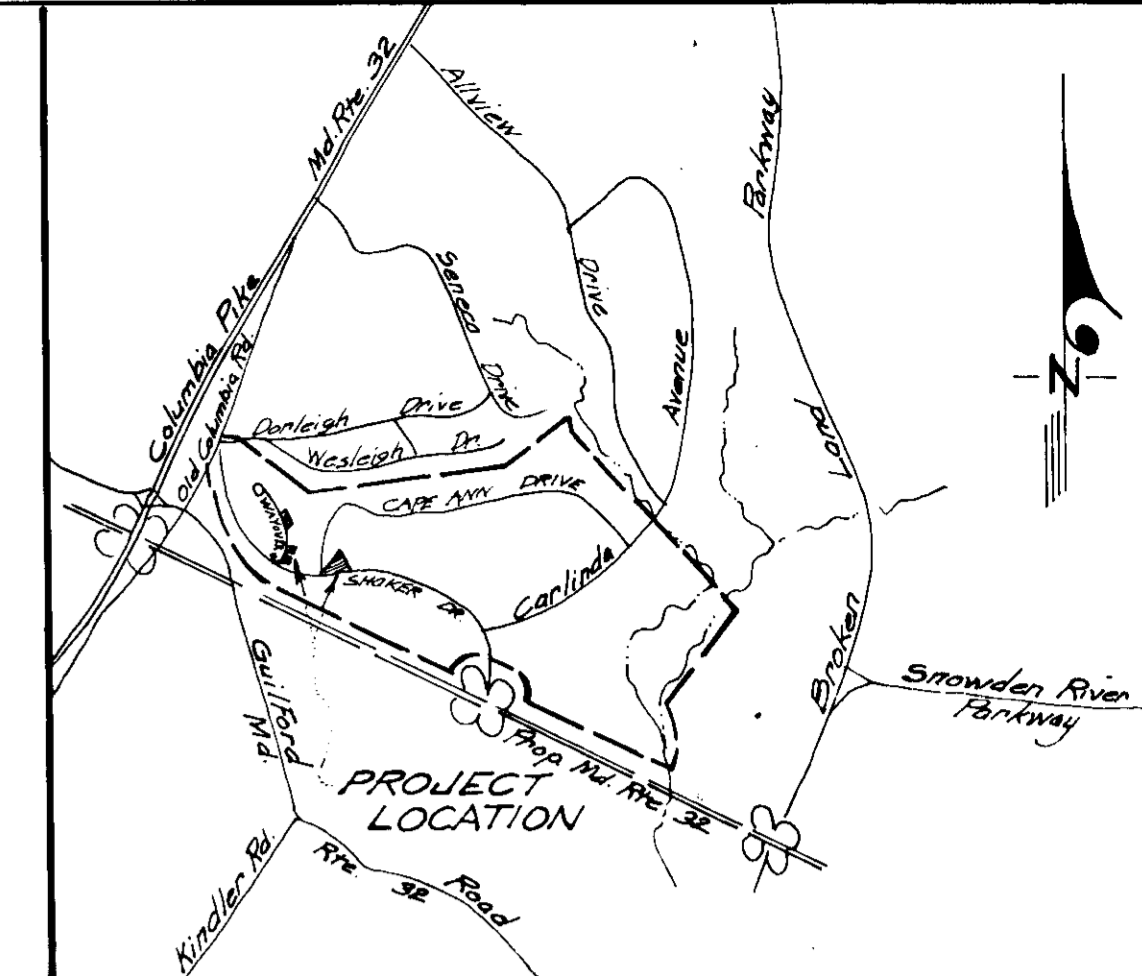
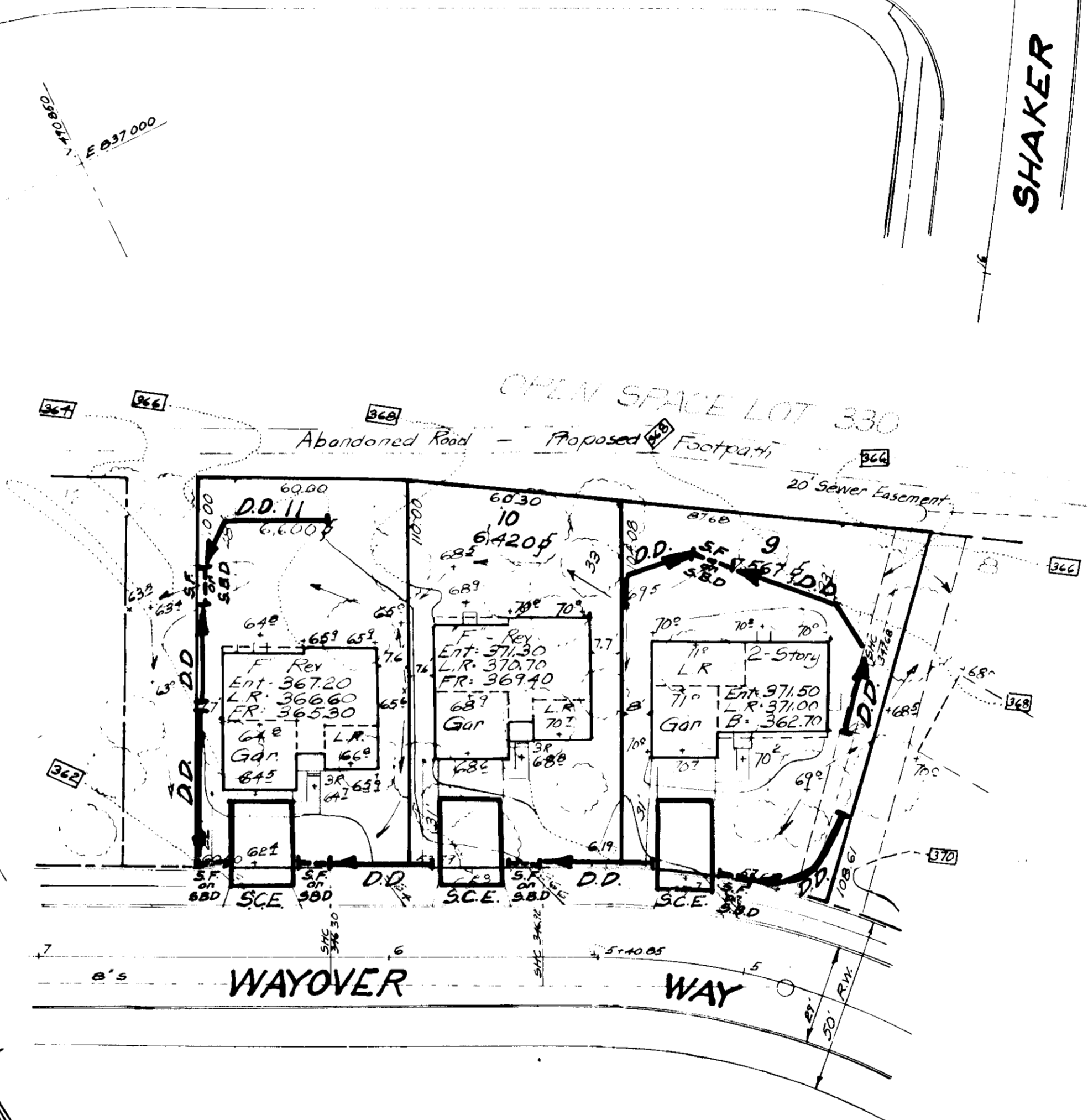
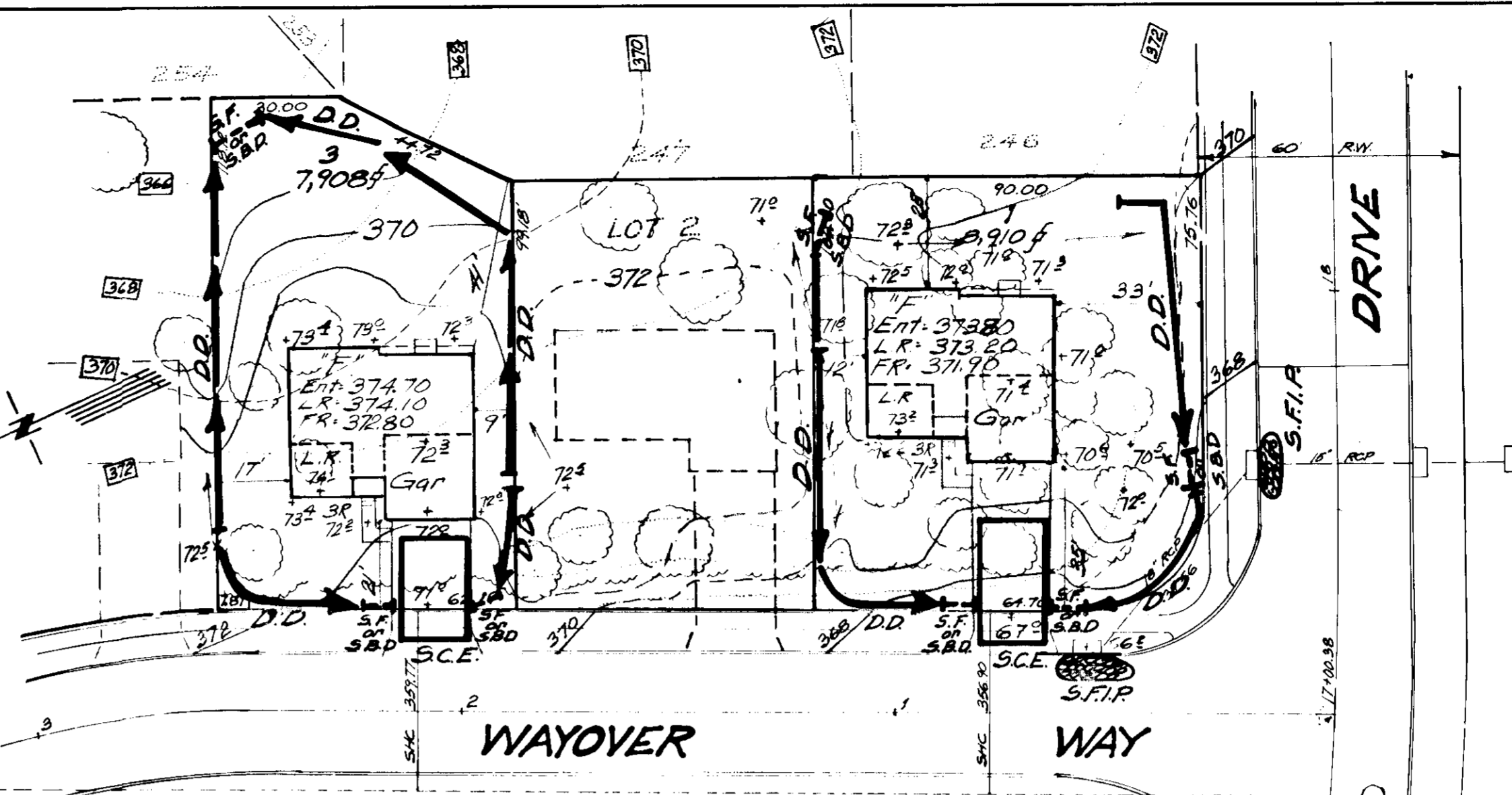


N.B.: Berms on Lots 29 & 30 to be constructed prior to final seeding and stabilization.



VICINITY MAP
Scale: 1" = 2000'

LEGEND

1. Contour Interval 2 Ft.
2. Existing Contour - - - - - 370
3. Proposed Contour - - - - - 370
4. Spot Elevation + 70±
5. Direction of Drainage →
6. Existing Trees to be Retained ○
7. Yard Requirements: Front 20 Ft. on 50' Wide Street.
30 Ft. on 60' Wide Street.
Side: 7.5 Ft. (Min.)
8. Diversion Dike → D.D.
9. Straw Bale Dike or Silt Fence SBD or SF
10. Stone Filter Inlet Protection S.F.I.P.
11. 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 1A-B recorded P.B. 28, Folios 70 to 79.
3. All coordinates are based on Maryland State Grid System. Elevations are based on the U.S. Coast & 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 1.790 acres.
6. All roadways shown are public & existing.
7. Any damage to County-owned rights-of-way or paving shall be corrected at the developer's expense.

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
1-3-78
AWM

NOTE: For bearings & distances of individual lot lines, see record plats recorded as Plots 3576 & 3577.

Reviewed for HOWARD S.C.D.
Name
and meets Technical Requirements
C. Wayne Roy 3/23/78
Signature Date
U.S. Soil Conservation Service

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

DEVELOPER'S CERTIFICATE

I certify that all development and/or construction will be done according to the plan of development and plan for erosion control and sediment control. I authorize persons to act on my behalf in the Howard Soil Conservation District. My authorized agents are the designers of this plan and I am responsible for the plan.

B. James Danfield 12-1-77
Signature Date

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Erosion and Sediment Control meets the requirements of a workable plan as set forth in the Howard Soil Conservation District. This site conditions and it was prepared in accordance with the requirements of the Howard Soil Conservation District.

G. Nelson Clark 12-77
Signature Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
4-6-78
DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
4-11-78
DATE
PLANNING DIRECTOR
CHIEF DIVISION OF LAND DEVELOPMENT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
4-4-78
DATE
DIRECTOR
CHIEF BUREAU OF ENGINEERING

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
4-4-78
DATE
DIRECTOR
CHIEF BUREAU OF ENGINEERING

WES ERD 3-23-78
Approved Date

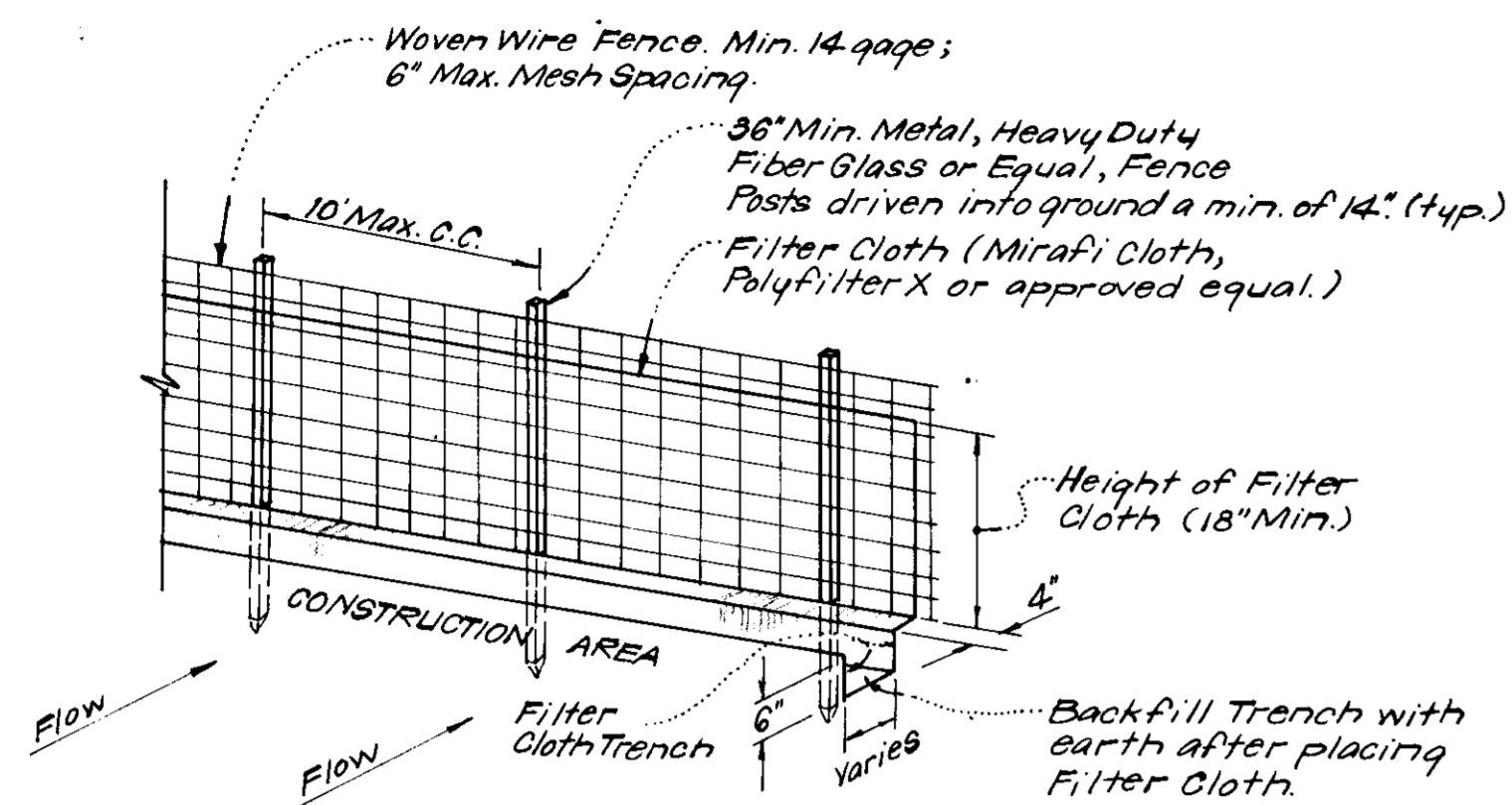


CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LORWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED DR.H.	SEDIMENT & EROSION CONTROL PLAN LOTS 1, 3, 9 thru 11 & LOTS 29 thru 31 COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 1 AREA 1 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN DR.H.		DRAWING 2 of 3
CHECKED D.B.S.		JOB NO.
DATE Nov. 1977	FOR: COLUMBIA BUILDERS, INC. 606 American City Building Columbia, Maryland 21044	FILE NO. 126B-5E

SDP-78-57c See also HC-306 1907-X

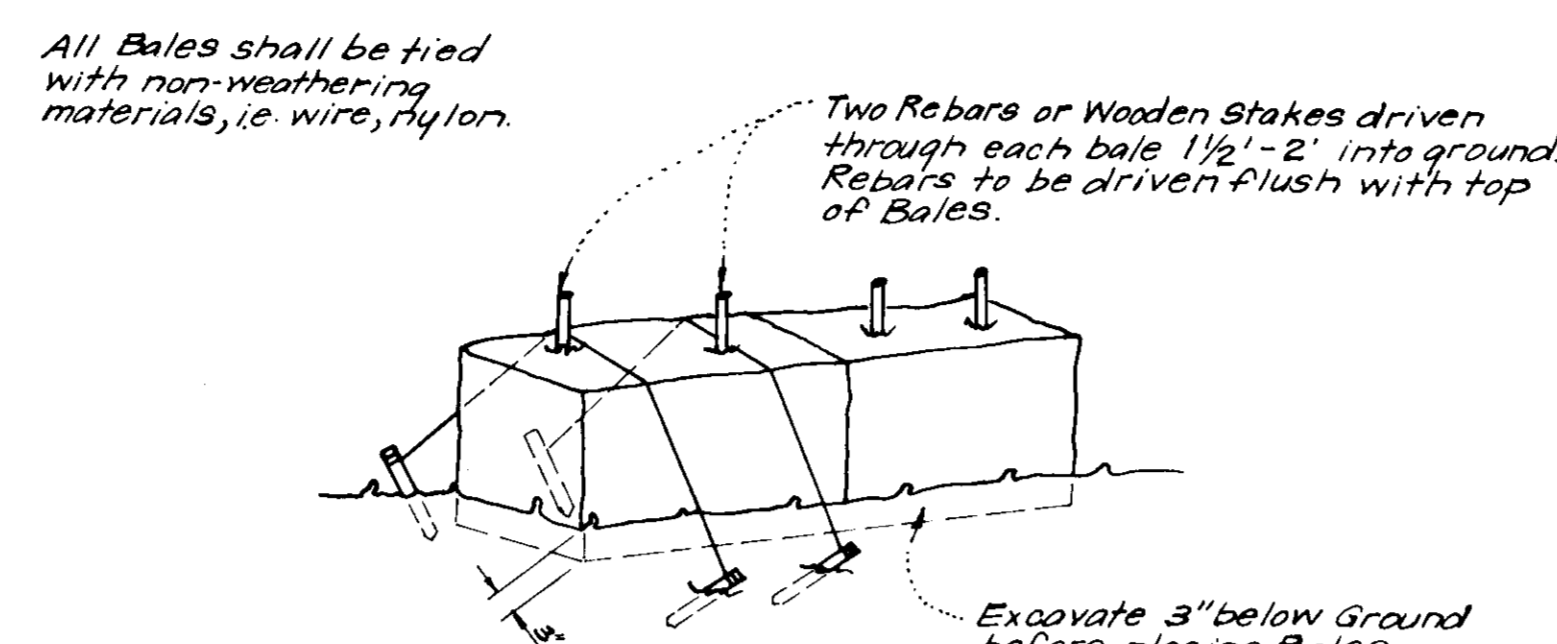
GENERAL NOTES

- 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 ryegrass applied at a rate of 14 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 ryegrass.
 - 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 binders, 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 = 1.770 Acres
 - Area to be Roofed = 0.307 Acres
 - Area to be Paved = 0.125 Acres
 - Area to be Seeded = 0.272 Acres
 - Area Undisturbed = 1.086 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 = 106 L.F.



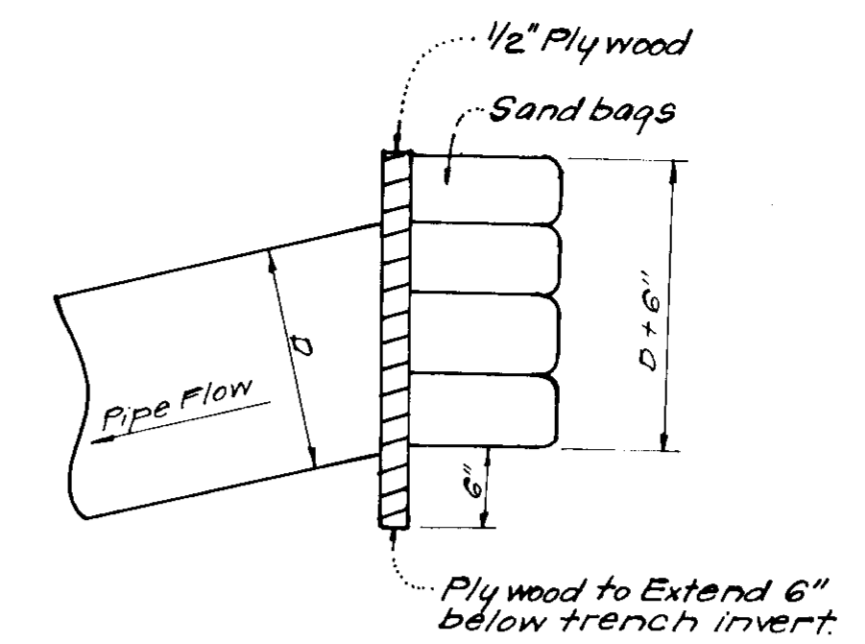
NOTES:
 1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
 2. Filter Cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24" x 24".

SILT FENCE DETAIL (S.F.)
 No Scale

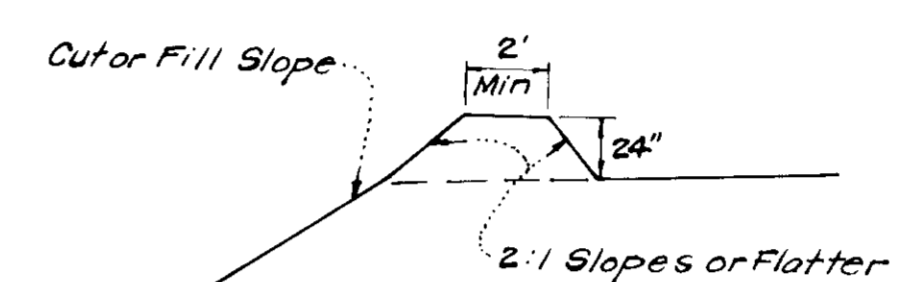


NOTE:
 1. In lieu of the use of rebar each Straw Bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).

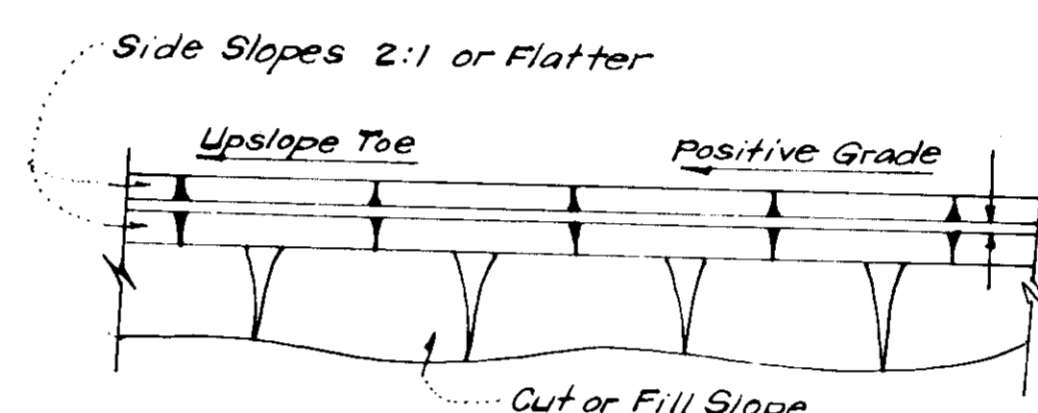
TYPICAL STRAW BALE DETAIL (S.B.D.)
 No Scale



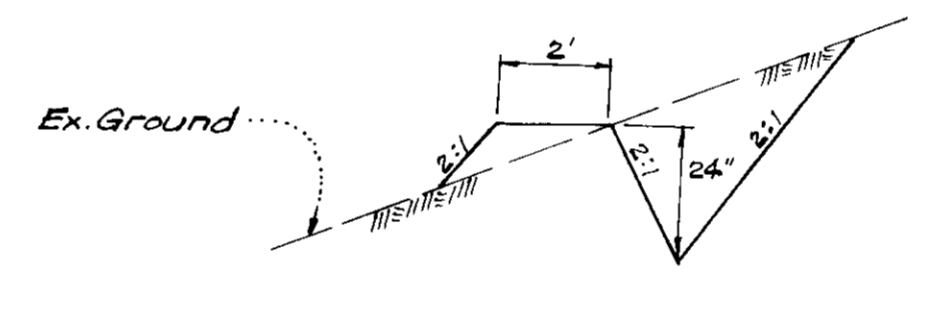
PIPE BLOCKING DETAIL
 No Scale



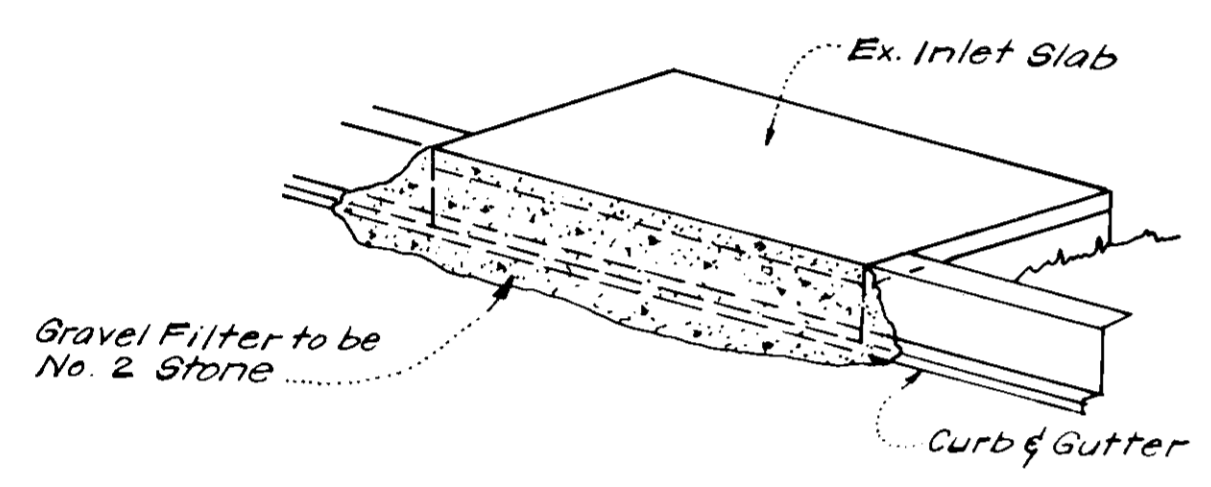
CROSS SECTION



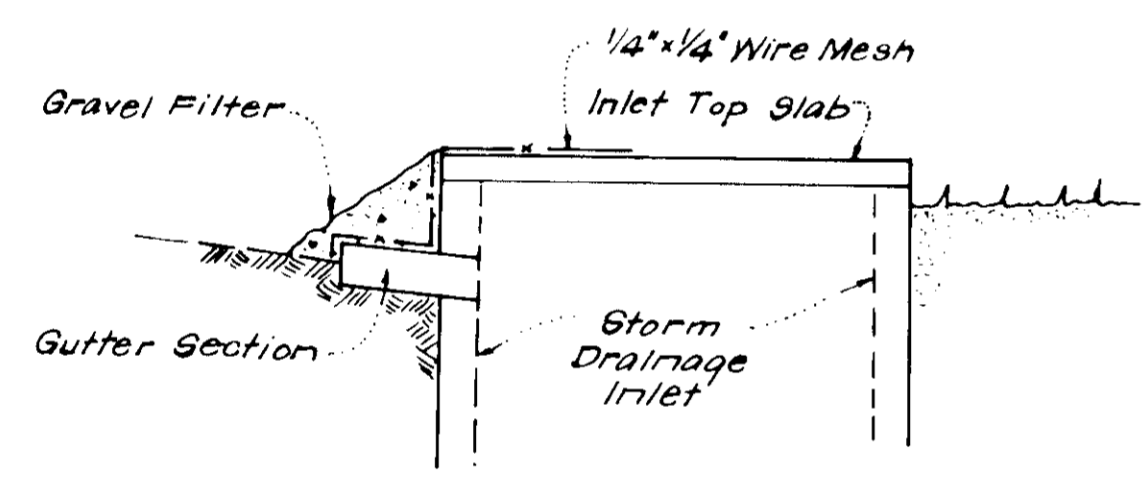
PLAN VIEW
DIVERSION DIKE (D.D.)
 No Scale



CUT DIVERSION DIKE
 No Scale

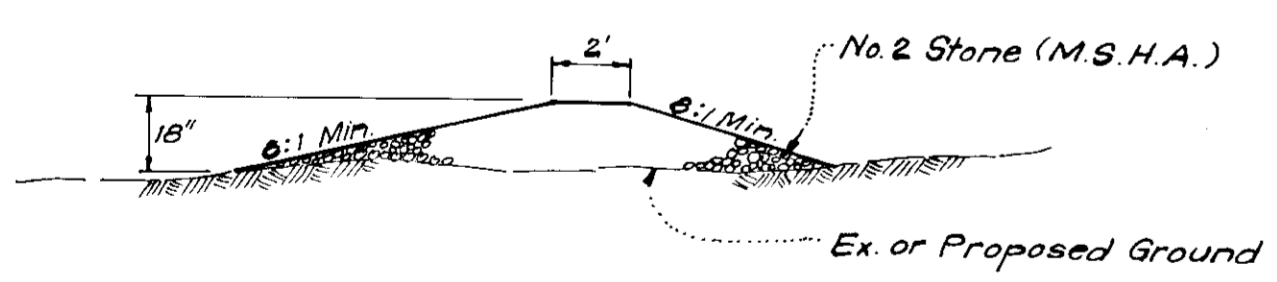


ISOMETRIC VIEW



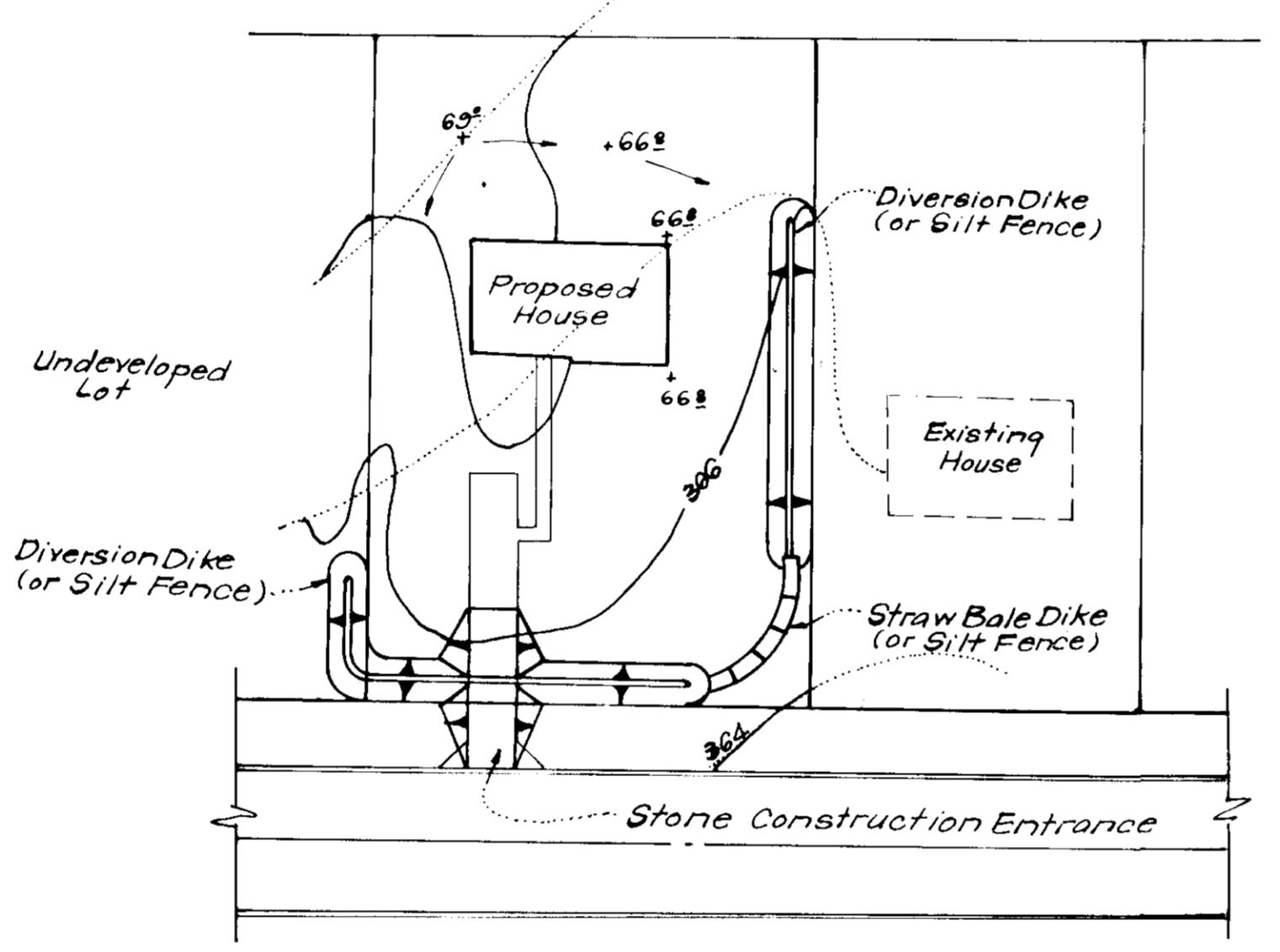
SECTION VIEW

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

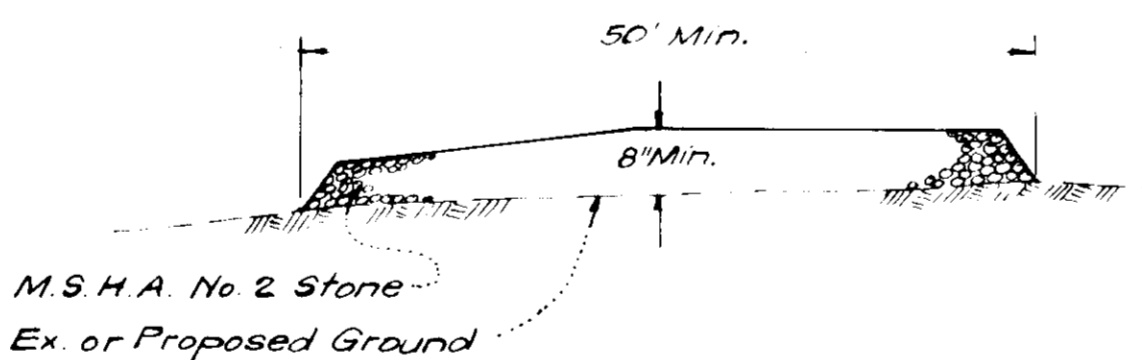


SECTION VIEW

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

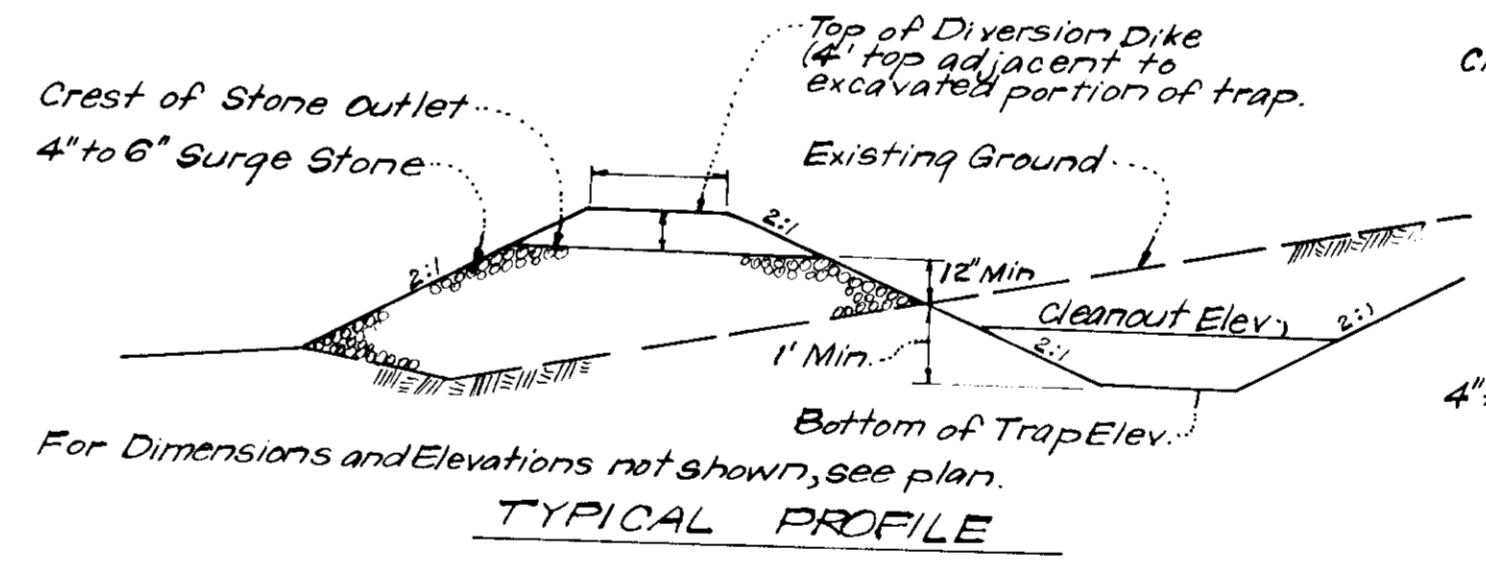


TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
 No Scale



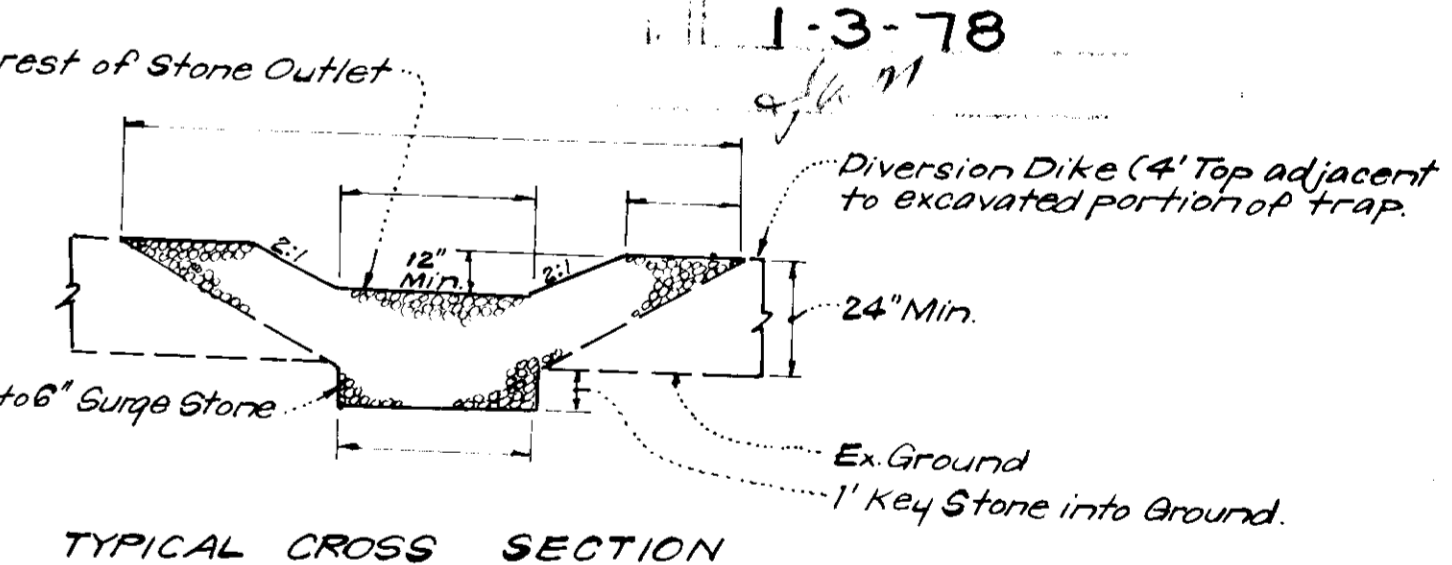
SECTION VIEW

STABILIZED CONSTRUCTION ENTRANCE
 No Scale



TYPICAL PROFILE

DETAILS OF STONE FILTER OUTLET (FOR STONE OUTLET SEDIMENT TRAP)
 No Scale



TYPICAL CROSS SECTION

- STONE FILTER OUTLET NOTES:**
- Sediment Trap to be cleaned out when sediment reaches a level of 4" below the Crest of Stone Outlet.
 - Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.
 - Stone Outlet to be constructed through diversion dike adjacent to excavated portion of Sediment Trap.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 4-6-78
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 4-11-78
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 4-4-78

Reviewed for HOWARD S.C.D.
 and meets Technical requirements
 3/27/78
 U.S. Soil Conservation Service

DEVELOPER'S CERTIFICATE
 I certify that all development and/or construction shown on this plan of development is in accordance with the plan of development and the requirements of the Soil Conservation Act, and I also certify that the plan of development is in accordance with the requirements of the Soil Conservation Act, and I also certify that the plan of development is in accordance with the requirements of the Soil Conservation Act.

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

Approved 3-23-78
 Date

Signature 12-1-77
 Date

ENGINEER'S CERTIFICATE
 I hereby certify that the plan of development and/or construction shown on this plan of development is in accordance with the plan of development and the requirements of the Soil Conservation Act, and I also certify that the plan of development is in accordance with the requirements of the Soil Conservation Act.



APPROVED: DEPARTMENT OF PUBLIC WORKS		
CHIEF, BUREAU OF HIGHWAYS	DATE	
APPROVED: HOWARD COUNTY OF PLANNING & ZONING		
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE	
CLARK & FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11415 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400		
DESIGNED DRH	SEDIMENT & EROSION CONTROL PLAN LOTS 1, 3, 9 thru 11 & LOTS 27 thru 31 COLUMBIA VILLAGE OF KINGS CONTRAVANCE SECTION 1 AREA 1 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE As Shown
DRAWN K.I.W.		DRAWING 3 of 3
CHECKED G.N.C.		JOB NO.
DATE Nov. 1977	FOR: COLUMBIA BUILDERS INC. 606 American City Building Columbia, Maryland 21044	FILE NO. 1268-5E