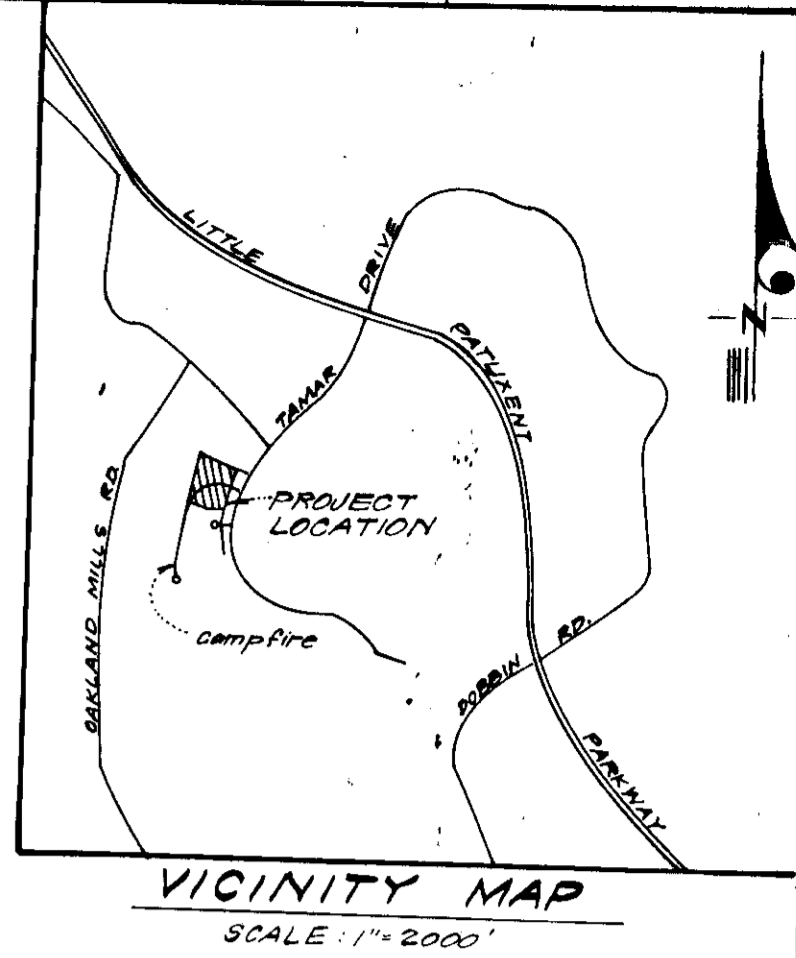


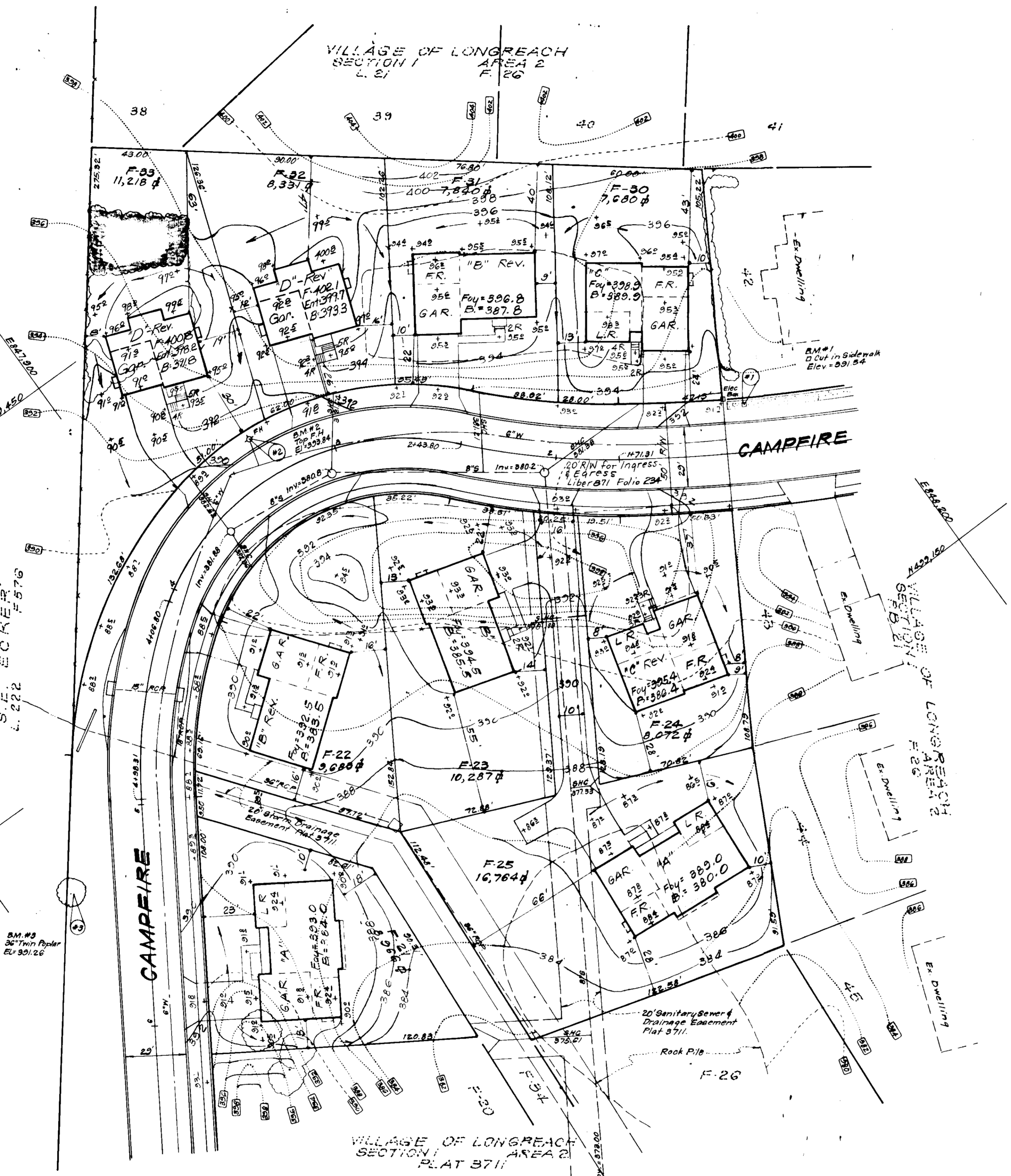
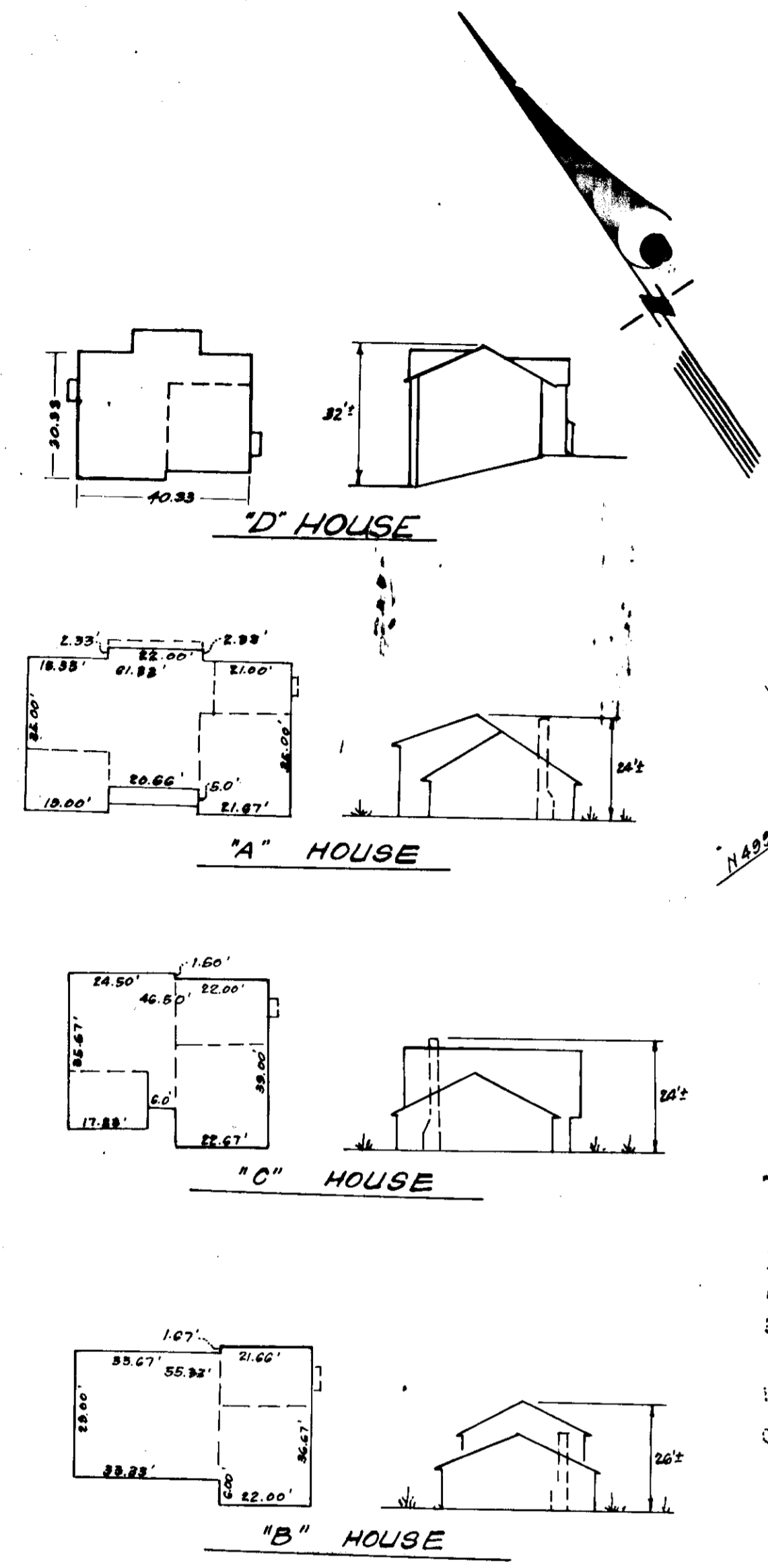
LEGEND

- 1. Contour Interval 2 Ft.
- 2. Existing Contour
- 3. Proposed Contour
- 4. Spot Elevation + 80.6
- 5. Direction of Drainage
- 6. Ex. Trees to be Retained
- 7. Yard Requirements:
Front: 20 Ft. on 50' Wide Street
30 Ft. on 60' Wide Street
Side: 7.5' (MIN)



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 80-A recorded in Plat Book 20 at Folios 146 & 147.
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. 96.
5. The Total Area included in this submission is 2.033 Acres.
6. Campfire is public and existing.
7. Any damage to county owned Right of Ways or Paving shall be corrected at the developer's expense.



4" Reinforced Class A Concrete Paving
or 2" Bituminous Concrete Surface over 6" Crusher Run Base.

Front Property Line
4" Sidewalk, where indicated on plan.

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

1/2" Preformed Bituminous Expansion Joint Filler.
Class A Concrete
1/2" Preformed Bituminous Expansion Joint Filler.

Modified Combination Curb & Gutter. Howard Co. Std. Dwg. No. D-40, pg. 95.
Note: Materials and Construction to be in accordance with Howard Co. Road Construction Code.

PLAN
SECTION "A-A"
DRIVEWAY ABUTTING MODIFIED COMB. CURB & GUTTER
NO SCALE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
Joseph Bryan 3-30-78
HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Paul H. W. Anderson 4-3-78
PLANNING DIRECTOR DATE

CHIEF DIVISION OF LAND DEVELOPMENT
DATE 4-3-78

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. O. Gilbert 3-22-78
DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING
DATE 3-22-78

REVISIONS

1. House Type & Grading Revised - Lots F32 & F33 1-17-78

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

Donald B. Sackett

NOTE: For Bearings and Distances of Individual Lot Lines See Record Plat recorded as Plat 3714

CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11235 LOCKWOOD DRIVE SUI VLR SPRING, MARYLAND 20904 (301) 593 3400

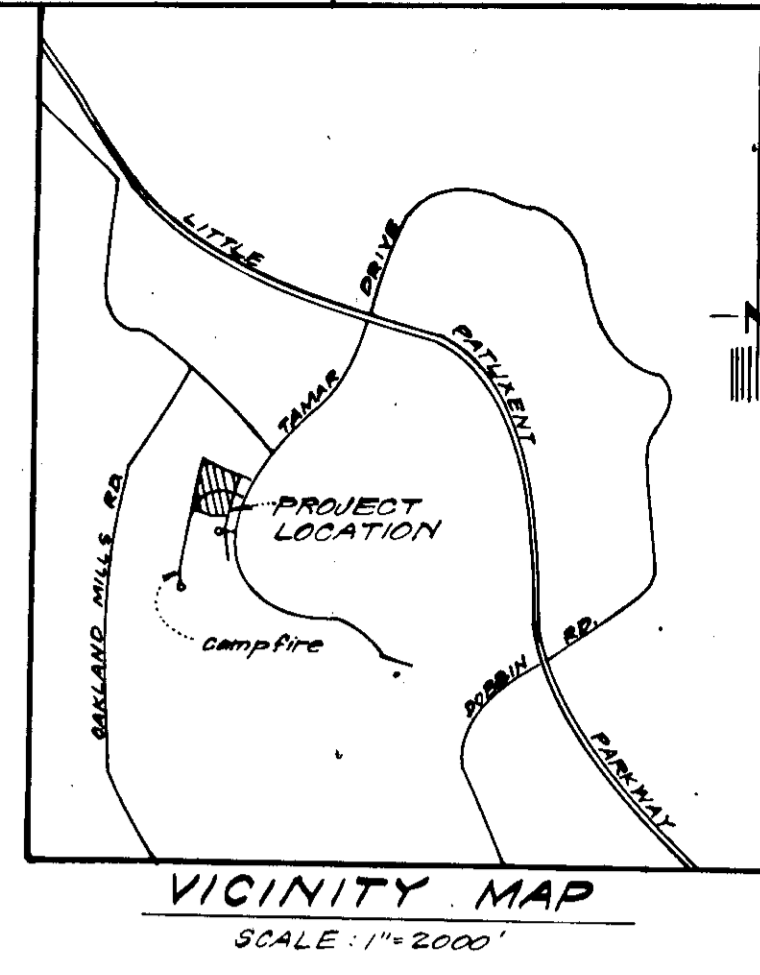
DESIGNED D.B.S.	SITE DEVELOPMENT PLAN LOTS F-21 THRU F-25 & LOTS F-30 THRU F-33	SCALE 1"=30'
DRAWN K.I.W.		DRAWING 1 of 3
CHECKED D.B.S.	VILLAGE OF LONGREACH SECTION 1 AREA 2 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 1
DATE Dec, 1977		FOR: CAMPBELL MARDALL CONSTRUCTION, INC. 5115 Hesperus Drive Columbia, Md. 21044 SDP-78-65c

See Also: 12.69-52



LEGEND

- 1. Contour Interval 2 Ft.
- 2. Existing Contour
- 3. Proposed Contour
- 4. Spot Elevation + 0.05'
- 5. Direction of Drainage
- 6. Ex. Trees to be Retained
- 7. Yard Requirements: Front: 20 Ft. on 50' Wide Street
50 Ft. on 60' Wide Street
Side: 7.5' (Min.)
- 8. Diversion Dike
- 9. Straw Bale Dike or Silt Fence
- 10. Stone Filter Inlet Protection
- 11. Stone Construction Entrance



Reviewed for... Howard S.C.D.
Name
and meets Technical Requirements
C. Wayne Ray 3/15/78
Signature Date
U.S. Soil Conservation Service

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

LES EARD Approved 3-15-78
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 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.

J.C. Mardall 12-6-77
Signature Date
John C. Mardall

APPROVED
DIVISION OF LAND DEVELOPMENT

HOWARD COUNTY, MARYLAND
DATE 1-4-78
AMM

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 12-5-77
Date



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 3-21-78
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
PLANNING DIRECTOR [Signature] 4-3-78
DATE
CHIEF DIVISION OF LAND DEVELOPMENT

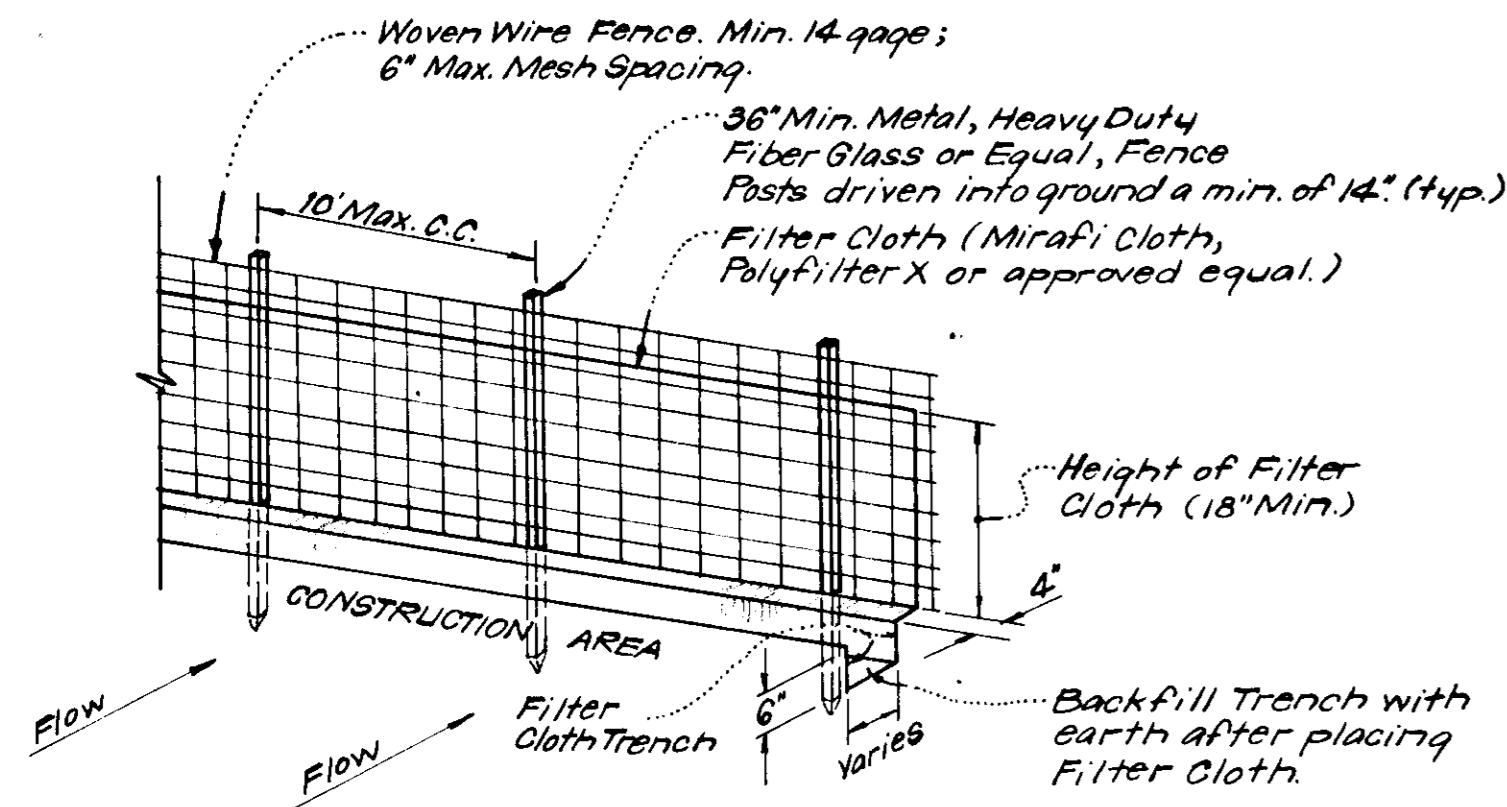
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR [Signature] 2-23-78
DATE
CHIEF BUREAU OF ENGINEERING [Signature] 3-22-78
DATE

NOTE: For Bearings and Distances of Individual Lot Lines See Record Plat recorded as Plat 3711.

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LUCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400		
DESIGNED D.B.S.	SITE DEVELOPMENT PLAN SEDIMENT & EROSION CONTROL PLAN LOTS F-21 THRU F-25 & LOTS F-30 THRU F-33 COLUMBIA VILLAGE OF LONGREACH SECTION 1 AREA 2 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 30'
DRAWN K.I.W.		DRAWING 2 of 3
CHECKED R.J.S.		JOB NO.
DATE Dec., 1977	FOR: CAMPBELL MARDALL CONSTRUCTION, INC. 3115 Hesperus Drive Columbia, Md. 21044	FILE NO. 1260-SE

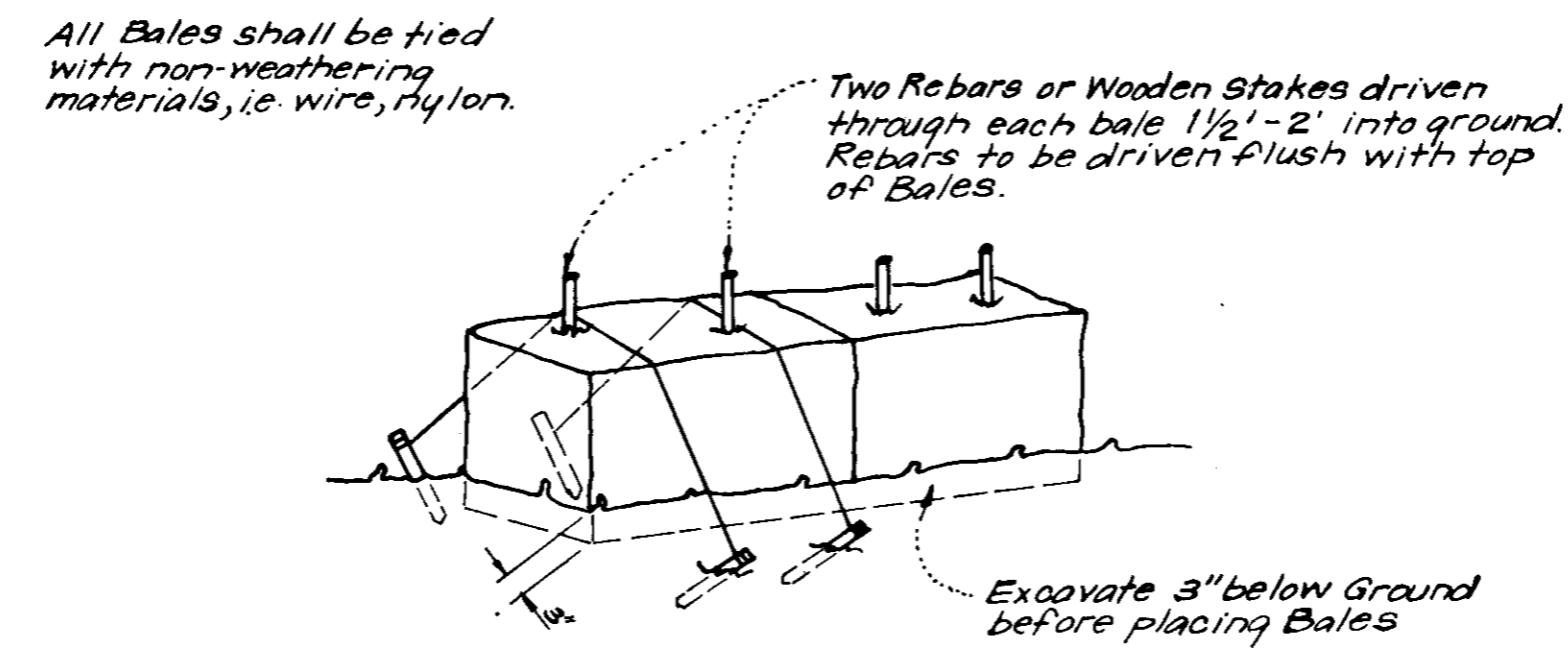
SDP-78-65. See Also: 1305-x

GENERAL NOTES



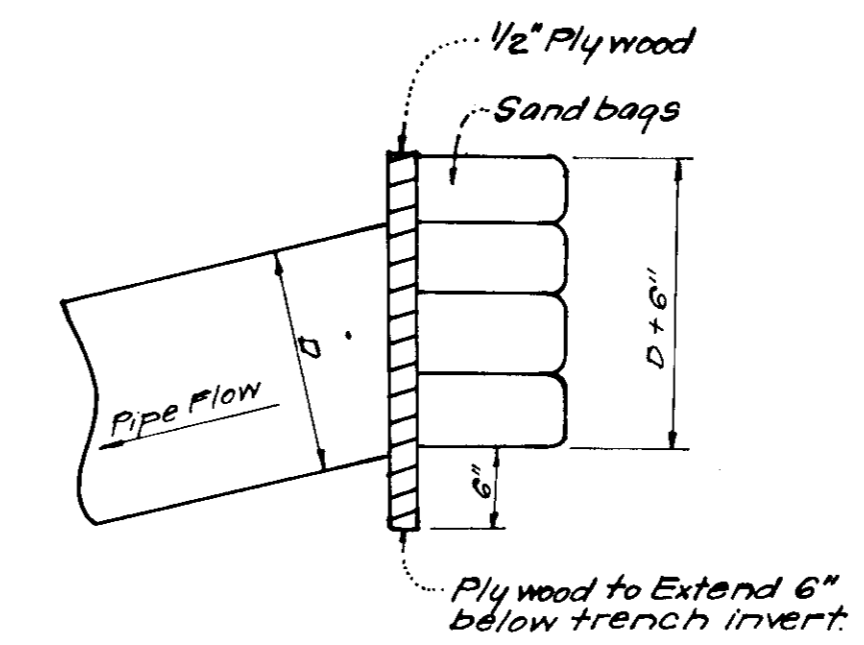
NOTES:
 1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
 2. Filter Cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24" x 24".

SILT FENCE DETAIL (S.F.)
 NO SCALE

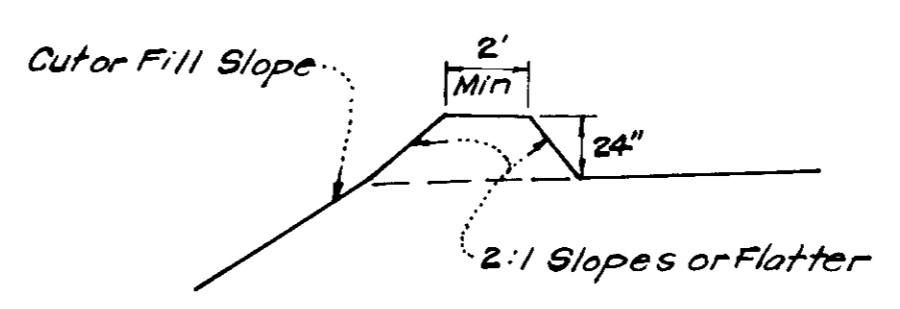


NOTE:
 1. In lieu of the use of rebar each Straw Bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).

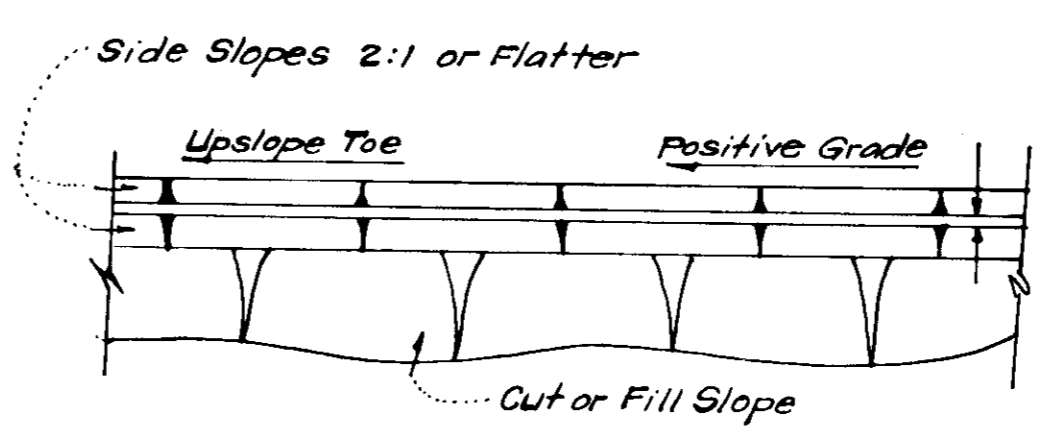
TYPICAL STRAW BALE DETAIL (S.B.D.)
 No Scale



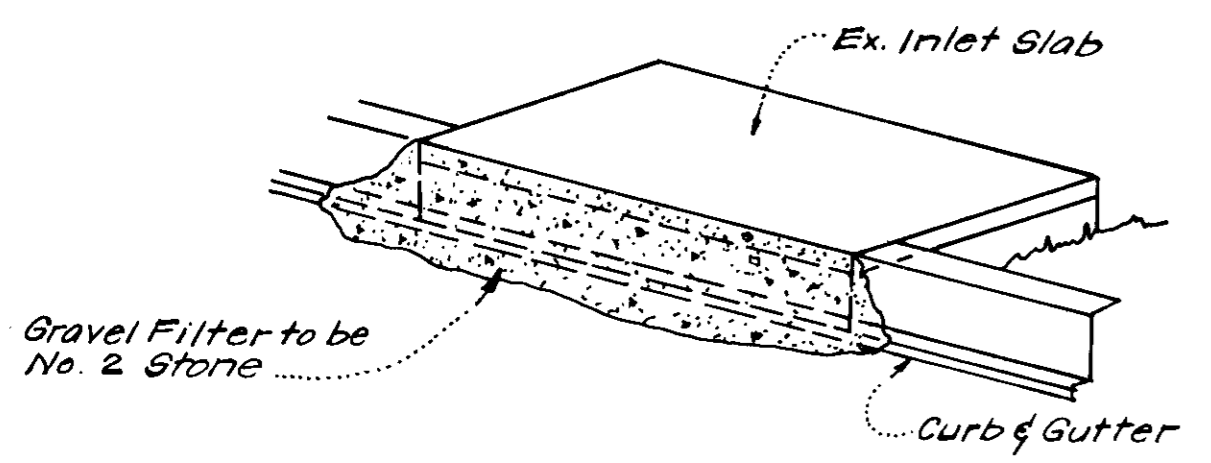
PIPE BLOCKING DETAIL
 No Scale



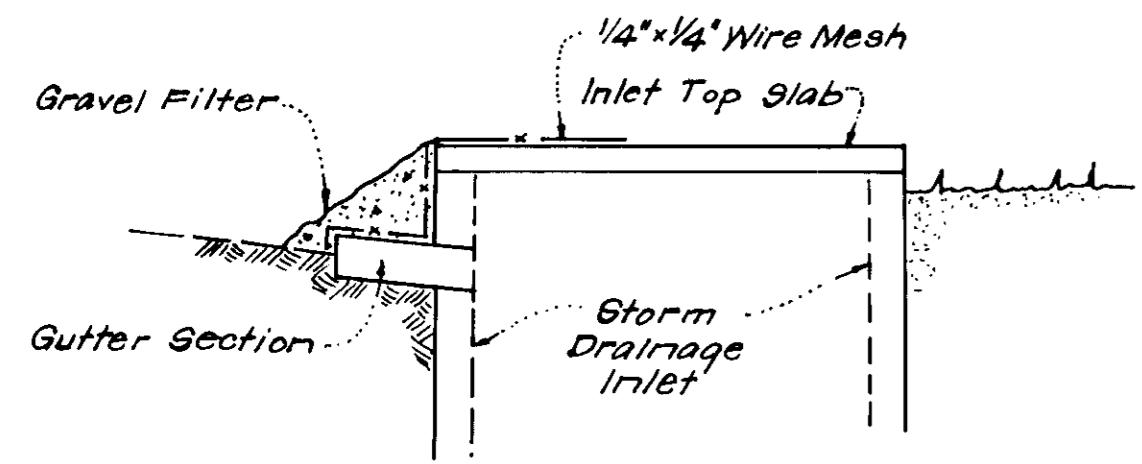
CROSS SECTION



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

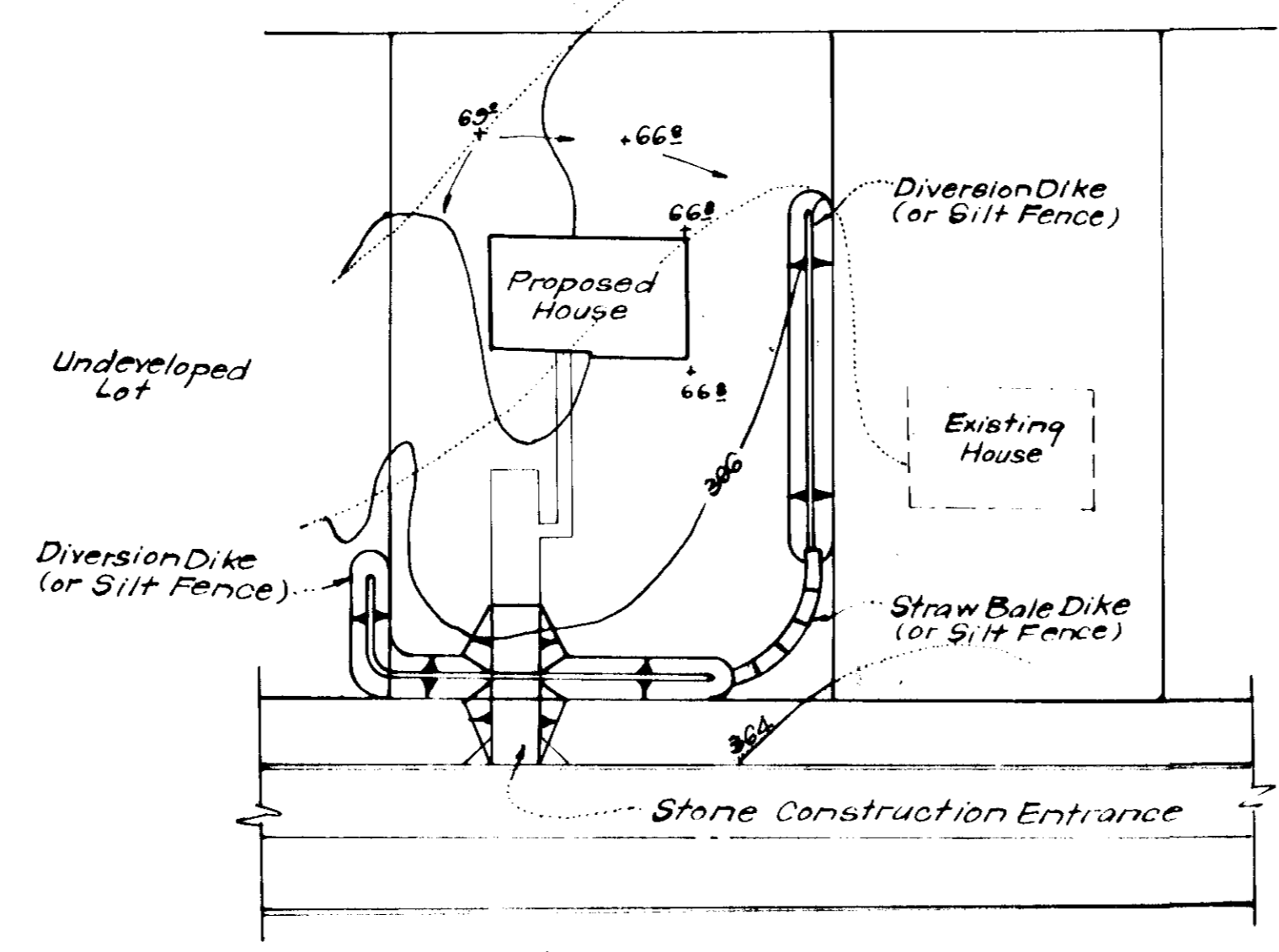


ISOMETRIC VIEW

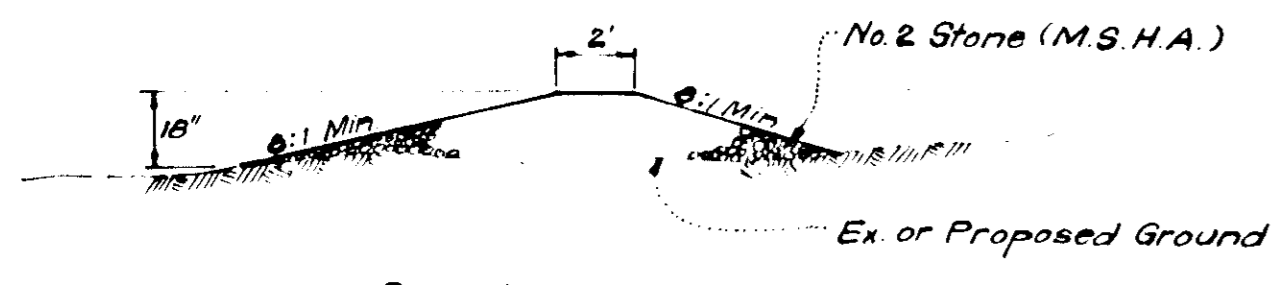


SECTION VIEW

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



TYPICAL SINGLE LOT SEDIMENT CONTROL PLAN
 No Scale



SECTION VIEW

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

- 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 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% Chewy 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 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 = 2.030 Acres
 - Area to be Roofed = 0.370 Acres
 - Area to be Paved = 0.152 Acres
 - Area to be Seeded = 1.343 Acres
 - Area Undisturbed = 0.166 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 = 155 L.F.

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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER DATE 3-30-78
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR DATE 4-3-78
 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 DATE 3-22-78
 CHIEF BUREAU OF ENGINEERING DATE 3-22-78

Reviewed for: HOWARD S.C.D.
 Name
 and meets Technical Requirements
C. Wayne Ray 3/15/78
 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 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.
 DATE 12-6-77
 JOHN C. MADDALL

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.
 DATE 12-5-77
 G. Nelson Clark



CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 583 3400	
DESIGNED D.B.S.	SCALE As shown
DRAWN K.I.W.	DRAWING 3 of 3
CHECKED R.U.S.	JOB NO.
DATE Dec. 1977	FILE NO. 1209-9E
SITE DEVELOPMENT PLAN SEDIMENT EROSION CONTROL PLAN LOTS F.21 THRU F.25 & LOTS F.30 THRU F.33 COLUMBIA VILLAGE OF LONGREACH SECTION 1 AREA 2 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND For: CAMPBELL MARDALL CONSTRUCTION, INC. 3115 Hesperus Drive Columbia, Md. 21044 SDP-78-65c See Also 1205-X	