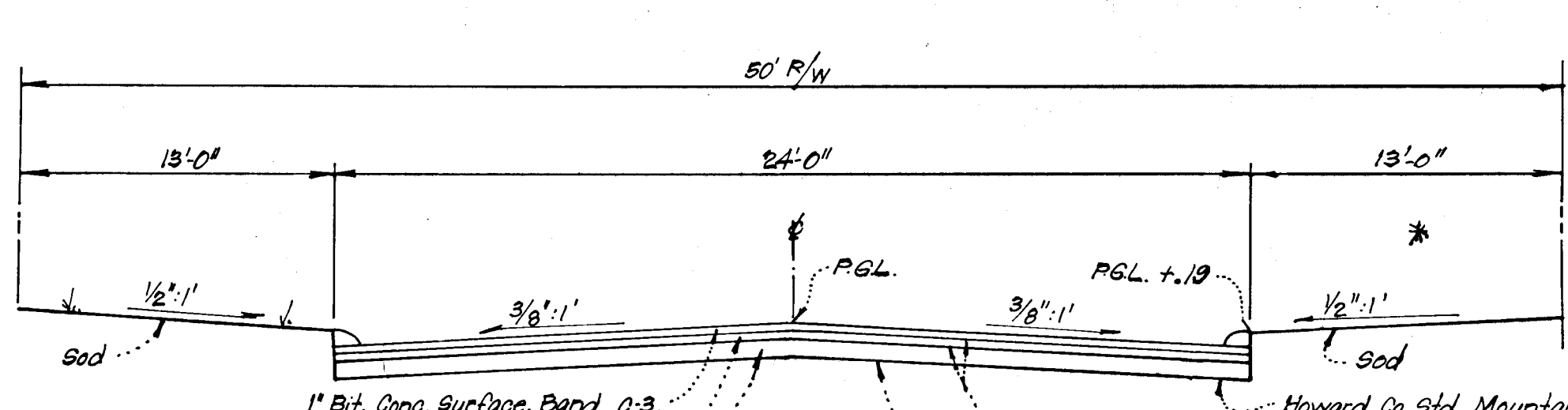


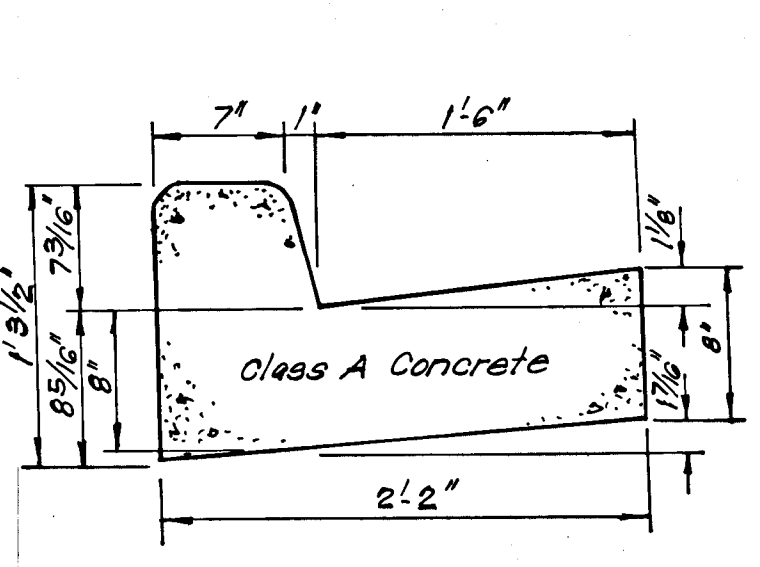
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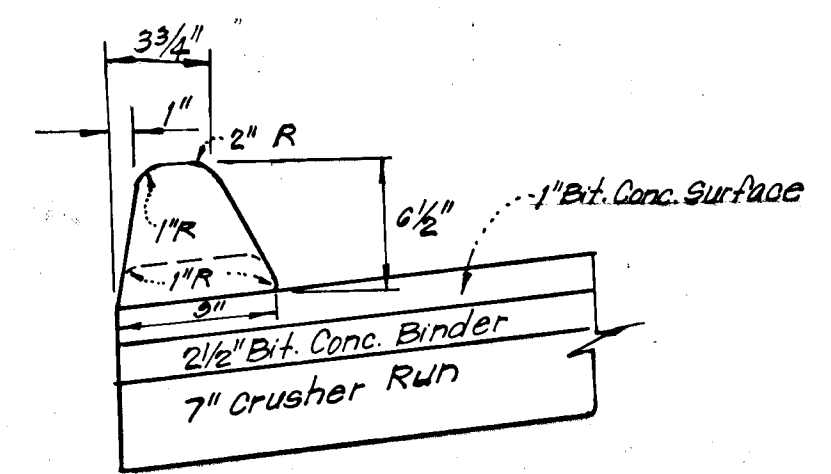
NOTE: All material & construction shall be in accordance with the Howard Co. Road Construction Code and Standard Specifications.

Tack Coat in accordance with Section C-31.4 of the Howard County Road Construction Code and Standard Specifications.
Base will be primed in accordance with section C-30.3 of the Howard County Road Construction Code and Std. Specifications.

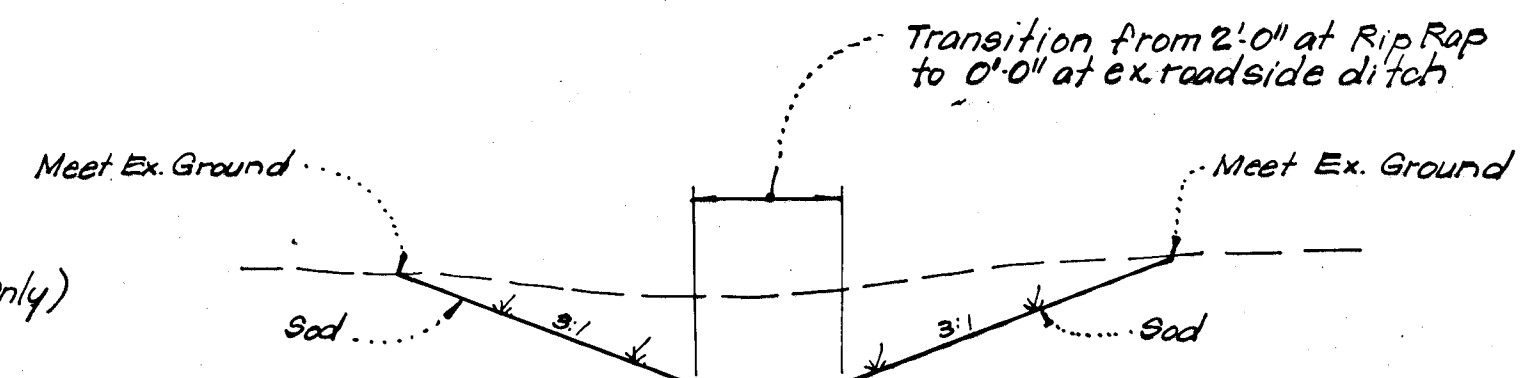
TYPICAL PAVING SECTION
(@ Sta 0+00 to Sta 1+75 & Sta 5+85 to Sta 6+82.1) (Rt. Side)
(Sta 0+00 to Sta 6+82.1) (Lt. Side)
CAMERON COURT
No Scale
(Residential Street - Zoning: R-R)



STANDARD 7" COMBINATION CURB & GUTTER
No Scale
(Drawing D-40, pg. 95)

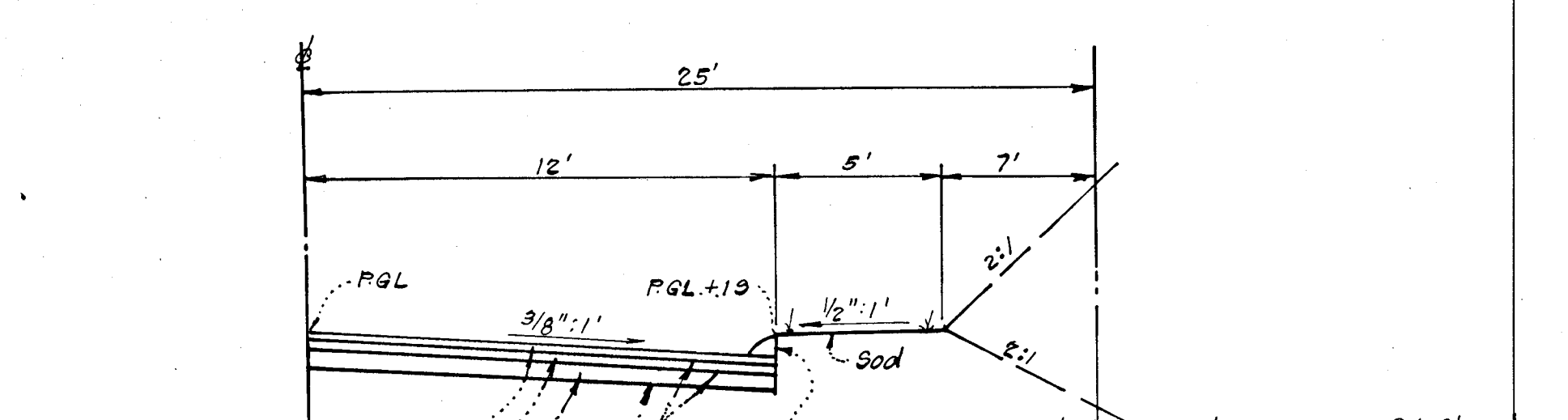


MOUNTABLE CURB
No Scale
(Drawing D-39, pg. 94)



SODDED DITCH DETAIL AT STR. S-1
No Scale

- GENERAL SODDING NOTES.**
1. Apply 10-10-10 Fertilizer @ 1000#/acre (25#/1000#).
 2. Apply Ground Agricultural Limestone @ 2000#/acre (50#/1000#).
 3. Incorporate both Lime & Fertilizer into soil by disking (Firm up after incorporation).
 4. Lay Sod to a tight fit. Roll to insure contact with underlying soil. Water as necessary for 1st two weeks (in summer) to ensure establishment.
 5. All Sod used to be certified by the state of Maryland.

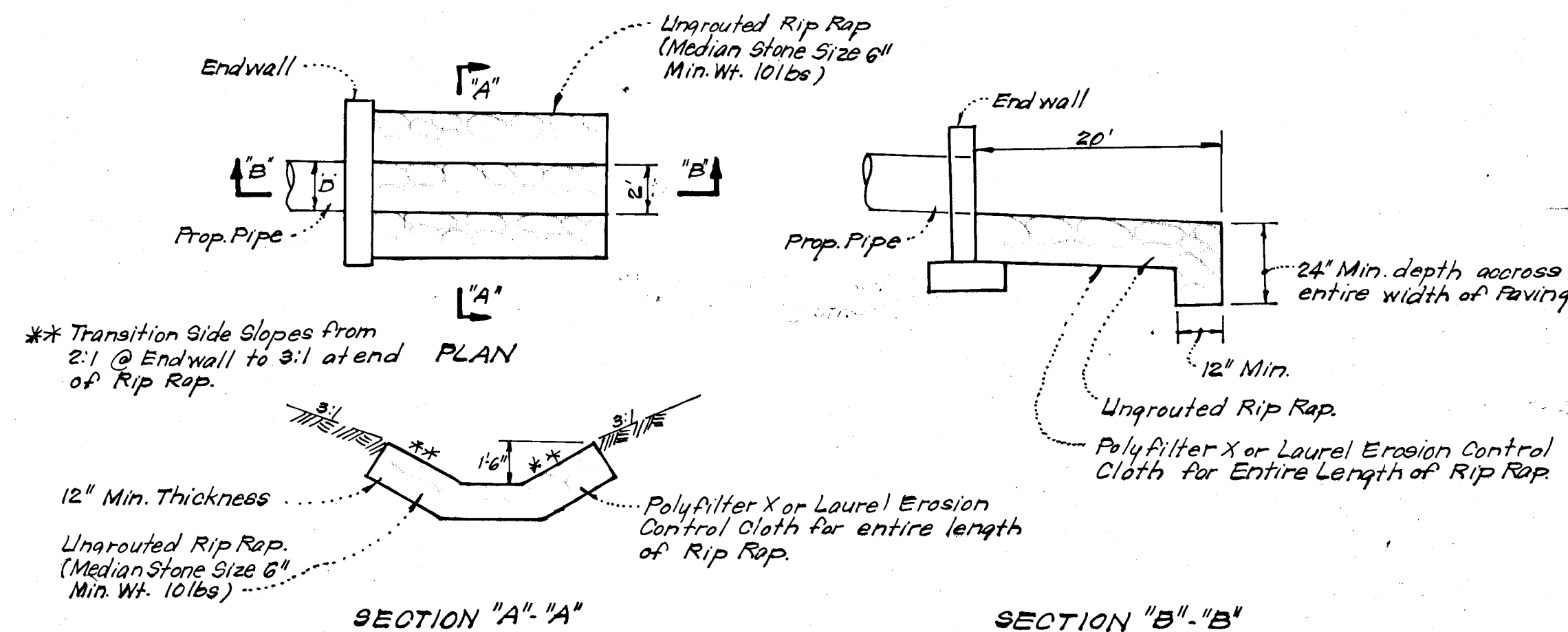


TYPICAL HALF-SECTION CAMERON COURT
(Sta. 1+75 to Sta. 5+85) (Rt. Side)
No Scale

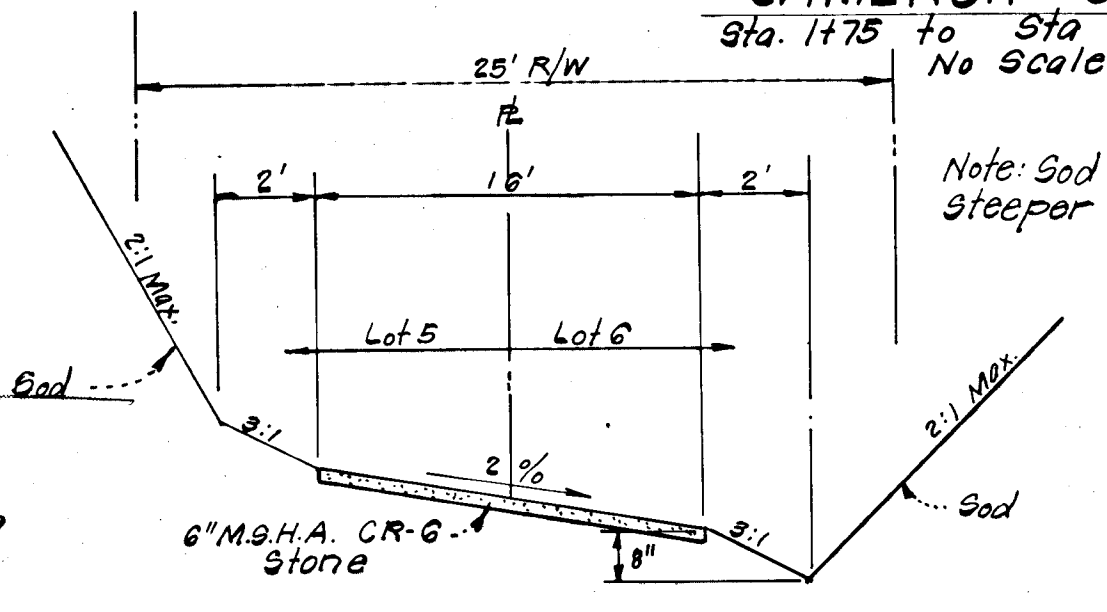
Note: All materials and construction to be in accordance with Ho. Co. Road Construction Code and Standard Specifications.
Tack Coat in accordance with Sect C-31.4 "How. Co. Road Construction Code".
Prime Coat in accordance with Sect C-28 "How. Co. Road Construction Code".

Reviewed for: Howard S.C.D. Name
and meets Technical Requirements
Date: 3/1/79
Signature: [Signature]
U.S. Soil Conservation Service

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



RIP RAP PAVING DETAILS
No Scale



DRIVEWAY SECTION DETAIL
LOTS 5 & 6
No Scale
(See Sht. 3 for Limits)

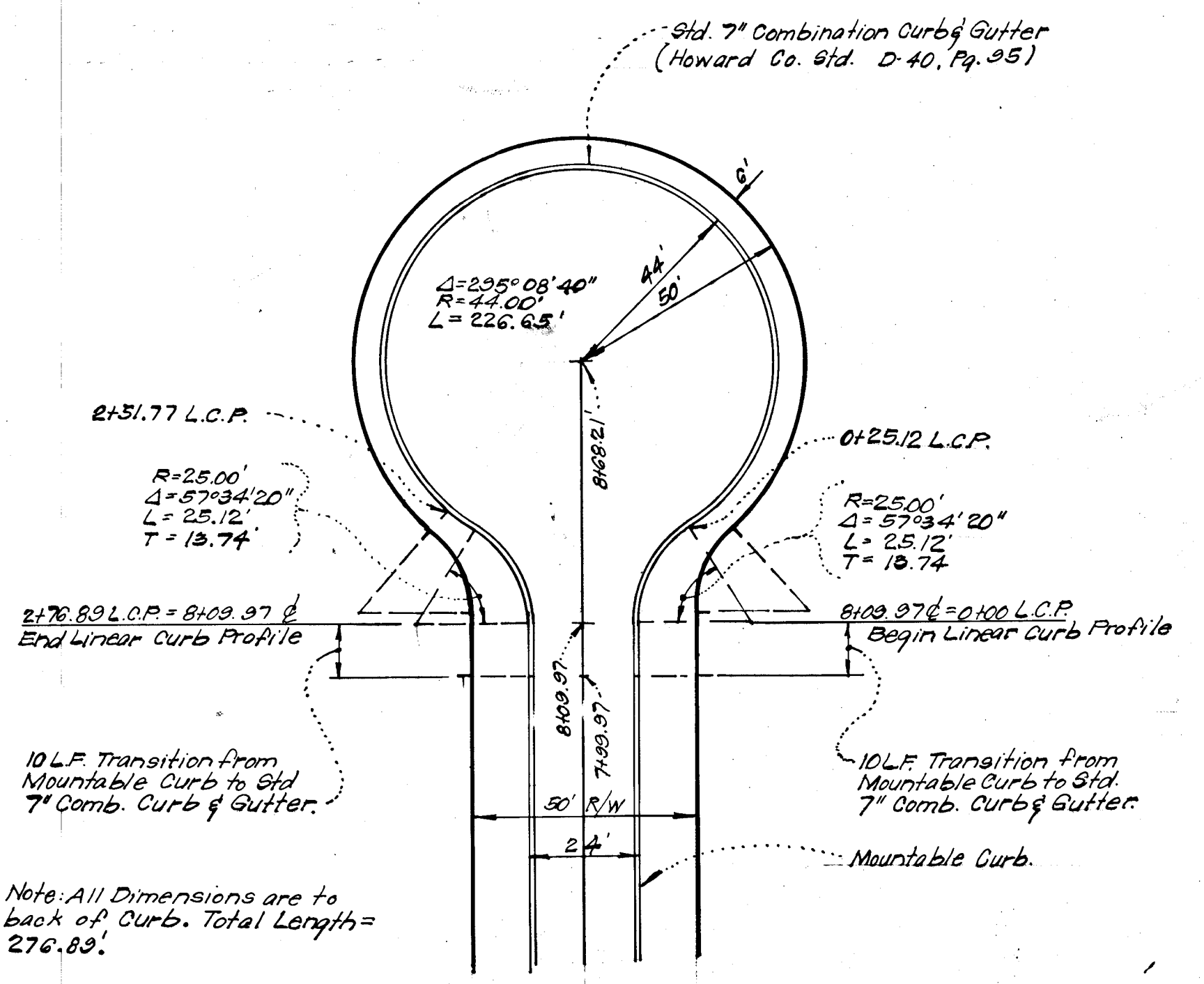
Approved: [Signature] 3-7-79 Date

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 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.

Signature: Thomas F. DeFlavia 3/31/79 Date
Thomas F. DeFlavia

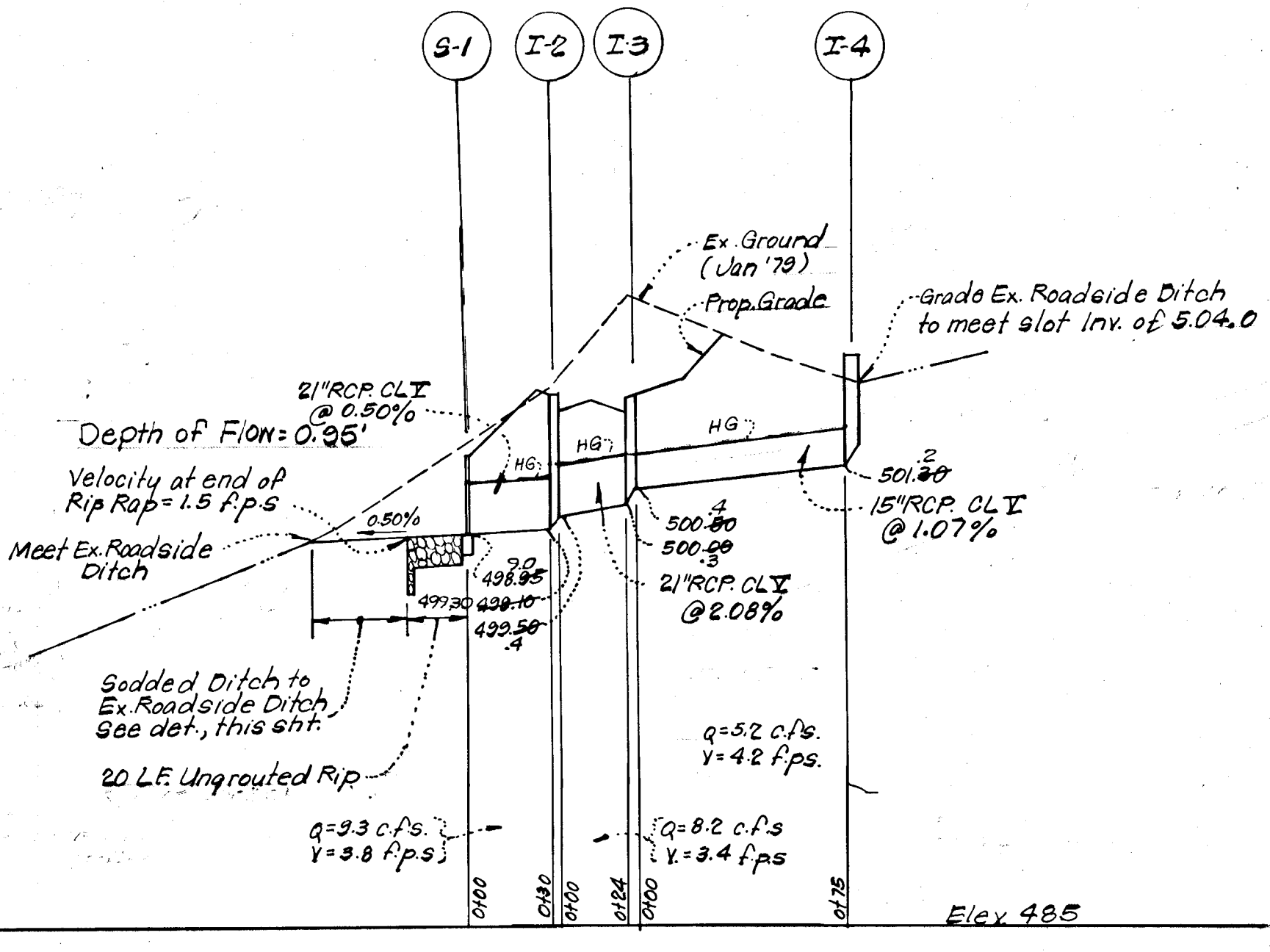
ENGINEER'S CERTIFICATE
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Signature: G. Nelson Clark 8-31-78 Date
G. Nelson Clark



CUL-DE-SAC DETAIL
CAMERON COURT
Scale: 1"=30'

Note: All Dimensions are to back of Curb. Total Length = 276.83'



STORM DRAIN PROFILES
Scale: Horiz. 1"=50' Vert. 1"=5'

STRUCTURE SCHEDULE		PIPE SCHEDULE	
NO	TYPE	SIZE	TYPE
I-1	"C" Endwall	15"	R.C.P. CLY
I-2	"A-5" INLET	21"	R.C.P. CLY
I-3	"A-10" INLET		
I-4	"K" INLET **		
I-7	"A-5" INLET		
I-8	"D" ENDWALL		

* Use dimensions for Dia=24"
** Ditch slot in east side only. Slot Elev. = 504.00
Provide Inlet Deflector. See How. Co. Std. Fig. 4-83

SIZE	TYPE	LENGTH
15"	R.C.P. CLY	115 LF
21"	R.C.P. CLY	54 LF

AS-BUILT - 8-31-82
AS-BUILT INFORMATION CERTIFIED BY DONALD B. SACKETT, LAND SURVEYOR No. 6057



APPROVED: DEPARTMENT OF PUBLIC WORKS
[Signature] 3-15-79 Date
CHIEF, Bureau of Engineering

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] 3-8-79 Date
CHIEF, Division of Land Development

CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400

DESIGNED: [Signature] SCALE: As Shown
R.J.S.

DRAWN: [Signature] DRAWING: 2 of 4
K.I.W.

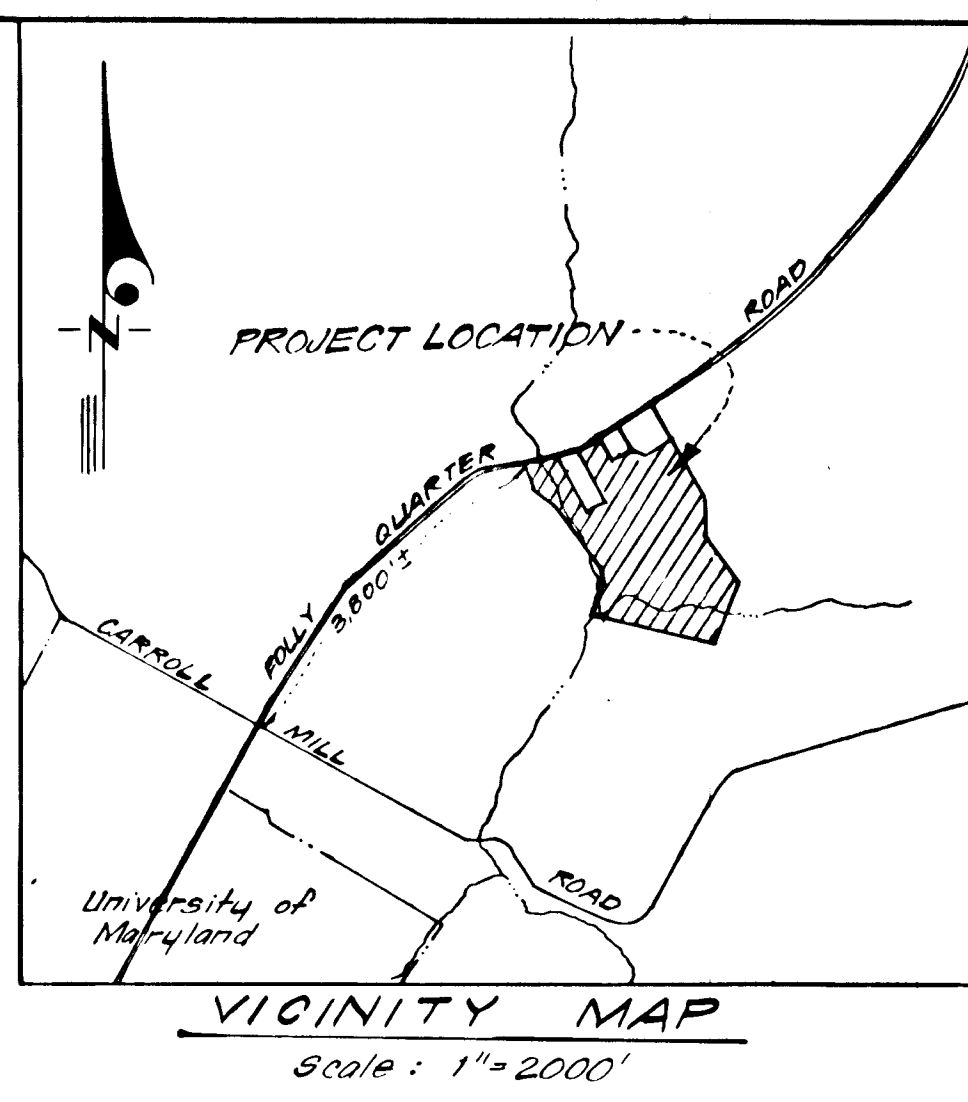
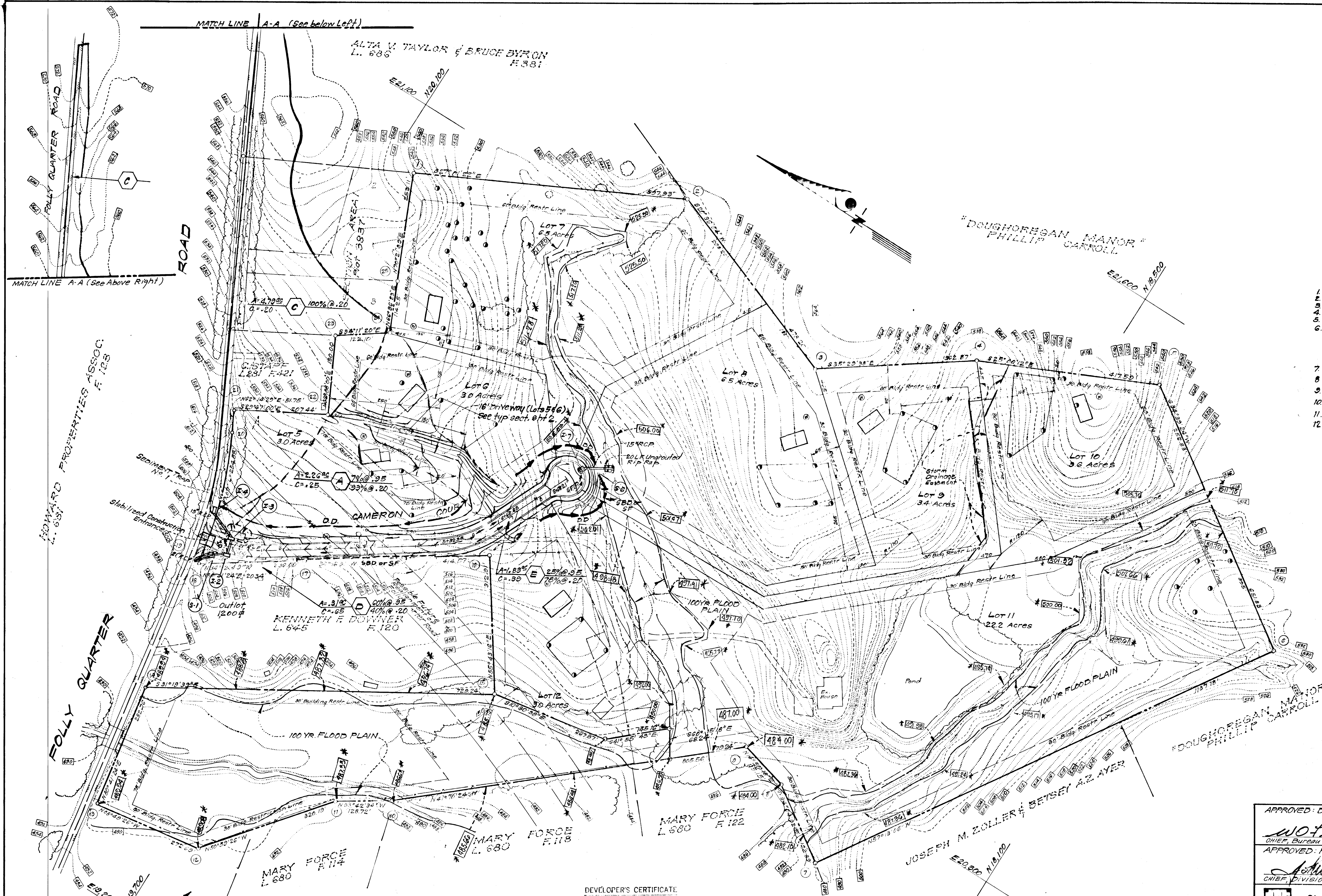
CHECKED: [Signature] JOB NO.
R.V.S.

DATE: Aug. 1978 FILE NO. 1245-D

ROAD CONSTRUCTION PLANS
STORM DRAINAGE & PAVING DETAILS
LOTS 5 THRU 12
A RESUBDIVISION OF LOT 4
CAMERON PROPERTY

3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: C & D DEVELOPMENT CORP.
% Thomas Associates, Suite 302
Century Plaza Bldg., Col. Md. 21044

AS-BUILT 8-31-82 F-79-33



LEGEND

1. Proposed Well
2. Percolation Test Hole
3. Existing Contour
4. Contour Interval
5. Proposed Contour
6. Proposed Storm Drain
7. Diversion Dike
8. Straw Bale Dike or Silt Fence
9. Stone Filter Inlet Protection
10. Stabilized Construction Entrance
11. Sediment Trap
12. * Indicates 100 Year Flood Plain Elevation

Reviewed for: Heward S.C.D.
and meets Technical Requirements
C. Wayne Ray 3/7/78
Signature Date
U.S. Soil Conservation Service

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

Wes Epp Approved 3-7-79
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 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.

Thomas F. DeFlavis 8/31/78
Signature Date
Thomas F. DeFlavis

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.

Wes Epp 8-31-79
Signature Date
Wes Epp

SEDIMENT TRAP NO. 1 (ST-4)
DA = 1.1 ACRES
Storage Required = 1380 c.f.
Storage Available = 2000 c.f.
Bottom Elev. = 504.50
Storm Inlet Sediment Trap R# 20.05
Bottom Dimensions = 15'x35'x25'Deep.

BESSIE M. & BERNARD SCHMIDT
L. 555 F. 4.85

MARY FORCE
L. 680 F. 114

MARY FORCE
L. 680 F. 122

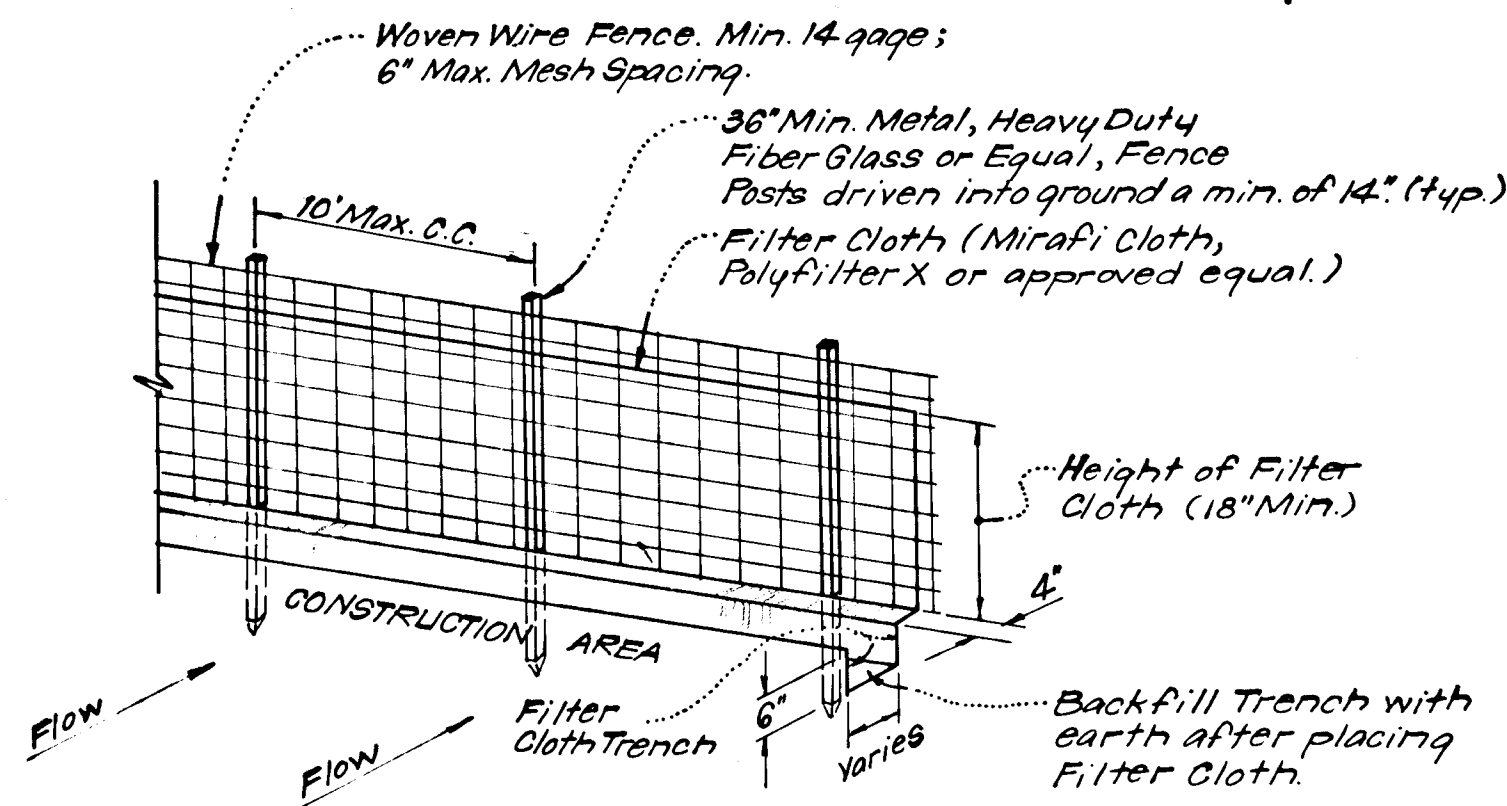
JOSEPH M. ZOLLER & BETSEY A. ZOLLER
L. 680 F. 100

APPROVED - DEPARTMENT OF PUBLIC WORKS		
<u>W.O. Falbert</u>	3-21-79	Date
CHIEF, Bureau of Engineering		
APPROVED - HOWARD COUNTY OFFICE OF PLANNING & ZONING		
<u>John W. Mumma</u>	3-8-79	Date
CHIEF, Division of Land Development		
CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS		
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 993-3400		
DESIGNED	ROAD CONSTRUCTION PLANS	SCALE 1"=100'
R.U.S.	SEDIMENT & EROSION CONTROL PLAN & DRAINAGE AREA MAP	DRAWING 3 of 4
DRAWN	LOTS 5 THRU 12	
K.I.W.	A RESUBDIVISION OF LOT 4	
CHECKED	3RD ELECTION DISTRICT	
R.U.S.	HOWARD COUNTY, MARYLAND	
DATE	FOR: C.E.D. DEVELOPMENT CORP. 90 THOMAS ASSOCIATES, Suite 302 Century Plaza Bldg. Columbia, Md 21044	FILE NO. 1245-D
Aug, 1978		

45-BUILT 8-31-82 F-79-33 Sec Also 11271A 1105-PA

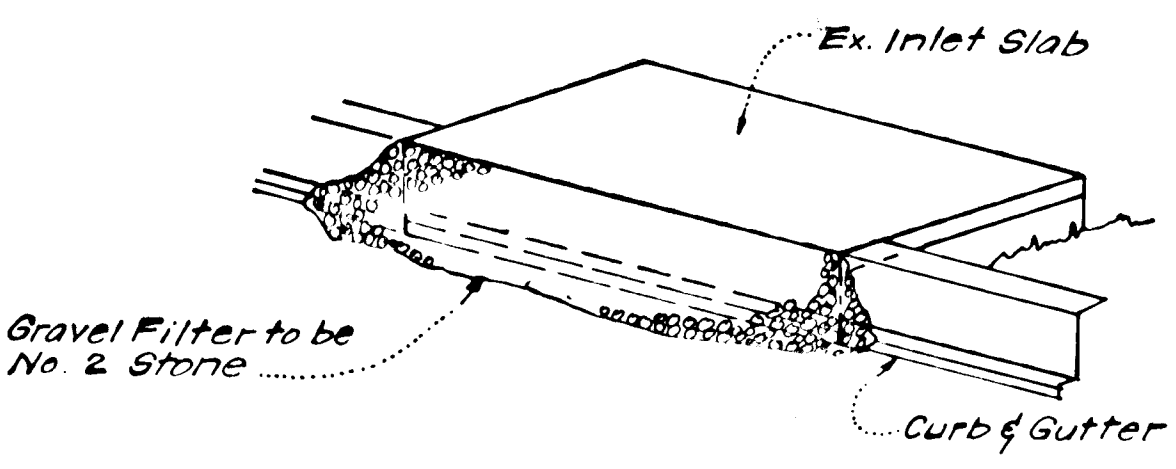
GENERAL NOTES

- 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 #5 for stabilization except that the seed mixture will be 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% Chewings 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 seed used shall be Maryland State Certified.
- 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 cleanout 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.
- Upstream Ends of all storm drain pipes shall be blocked at the end of each working day. See detail this sheet.
- SITE ANALYSIS:**
 - Total Area: 52.12 Acres
 - Area to be Paved: 0.48 Acres
 - Area to be Seeded: 0.82 Acres
 - Area Undisturbed: 50.82 Acres.
- A complete site grading plan must be developed and approved before building permits can be issued.
- CONSTRUCTION SEQUENCE:**
 - Grade Cameron Court in area of Storm Drain Str. No 5-1 thru I-3 and install Stabilized Construction Entrance.
 - Install Storm Drainage from 5-1 thru I-4, provide S.F.I.P.'s and stabilize outfall.
 - Install Sediment Trap #1 at Str. I-3 and all other Sediment and Erosion Control Devices.
 - Grade Remainder of Cameron Court and Driveway for lots 5 & 6.
 - Install Remainder of Storm Drainage and provide S.F.I.P.'s.
 - Install Paving and stabilize all graded areas.
 - Remove S.F.E. devices after all areas draining to them are stabilized.

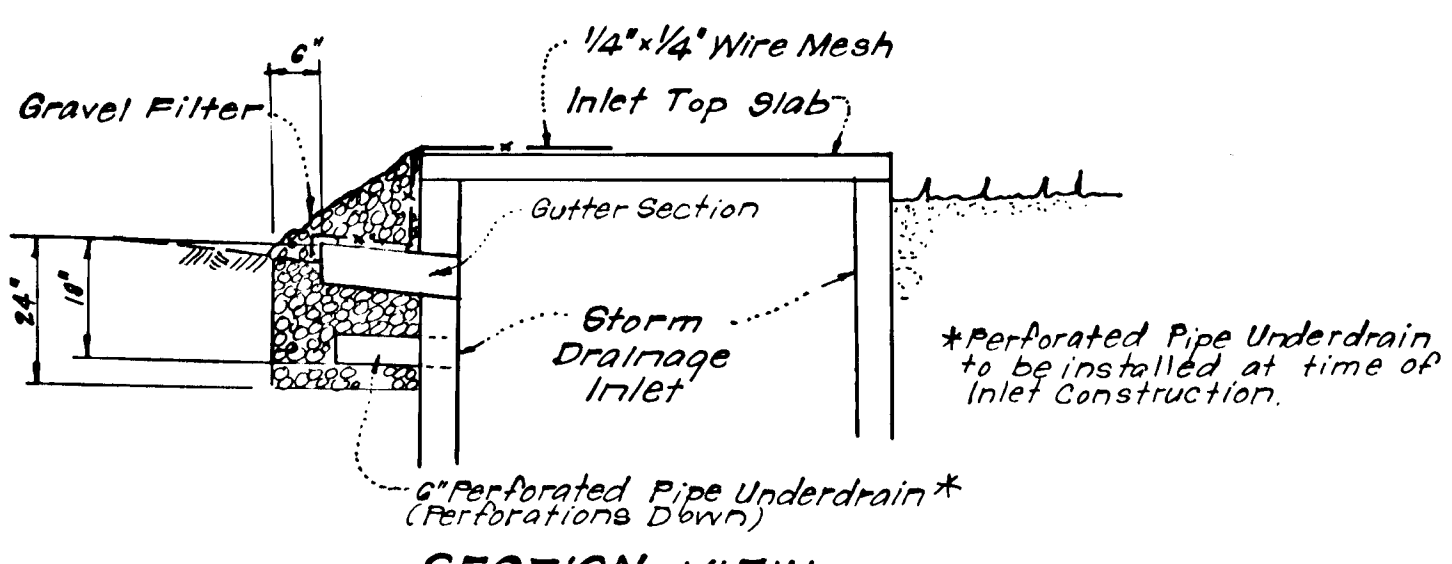


NOTES:
 1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
 2. Filter Cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24" x 24".

SILT FENCE DETAIL (S.F.)
 No Scale

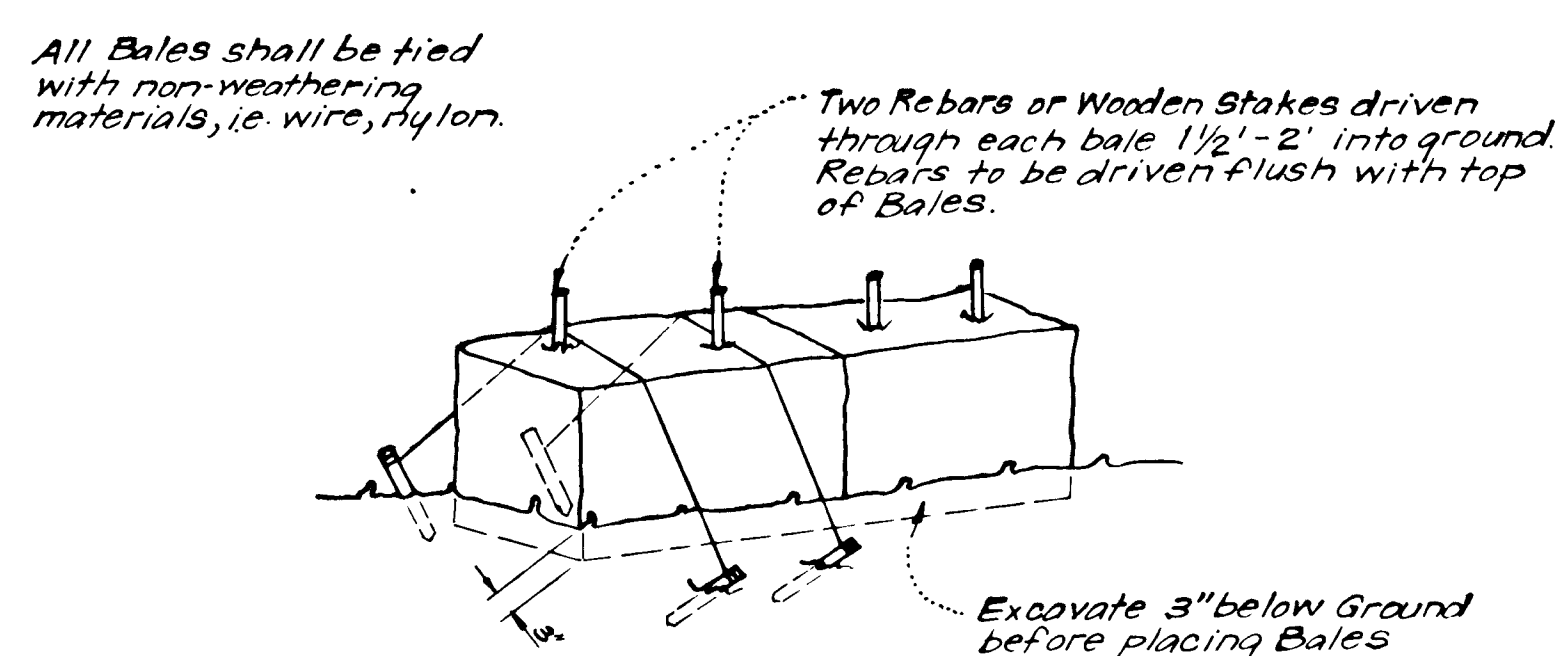


ISOMETRIC VIEW



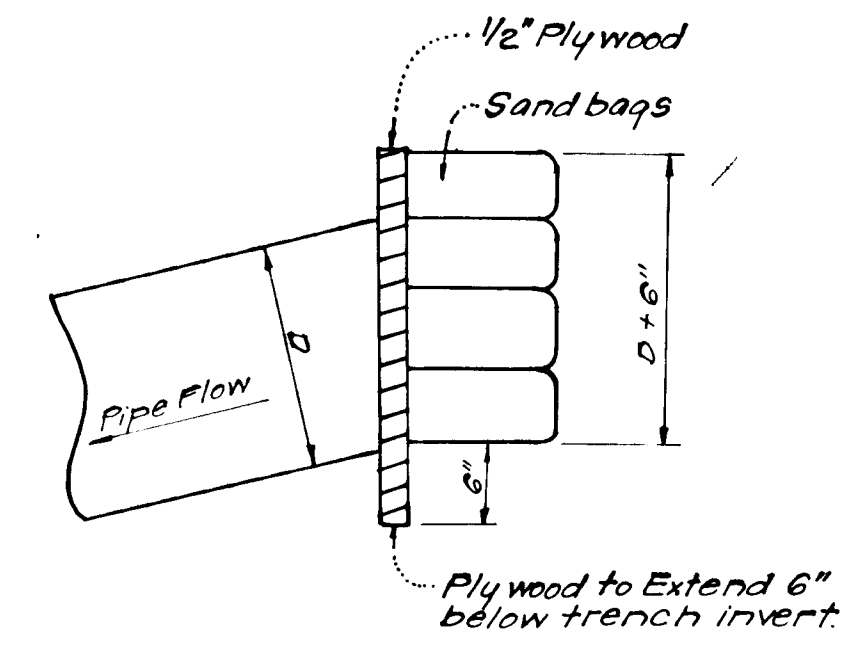
SECTION VIEW

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

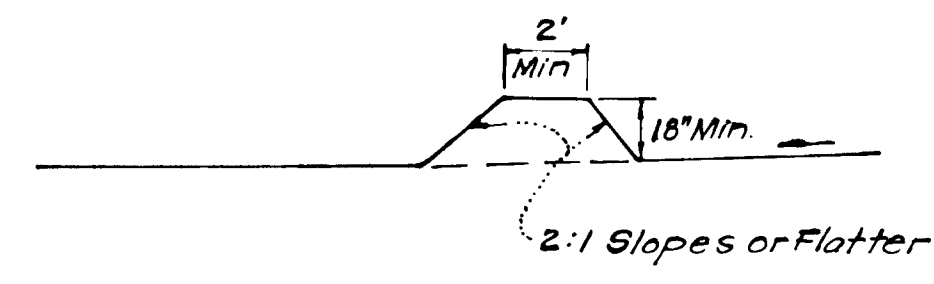


NOTE:
 1. In lieu of the use of rebar each Straw Bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).

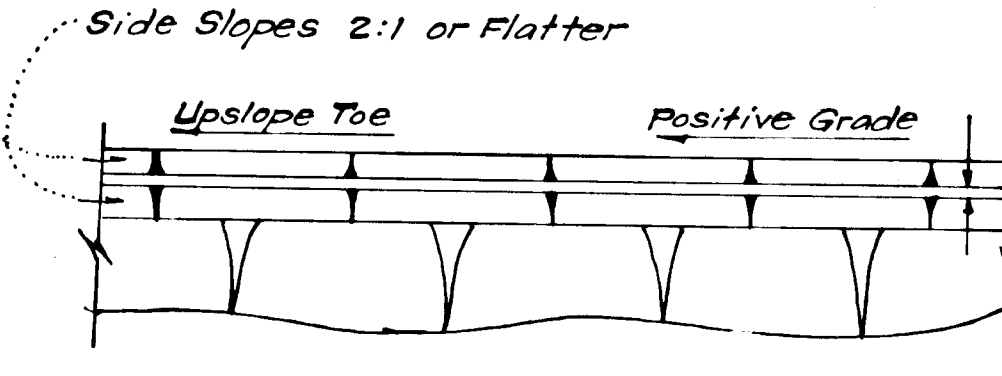
TYPICAL STRAW BALE DETAIL (S.B.D.)
 No Scale



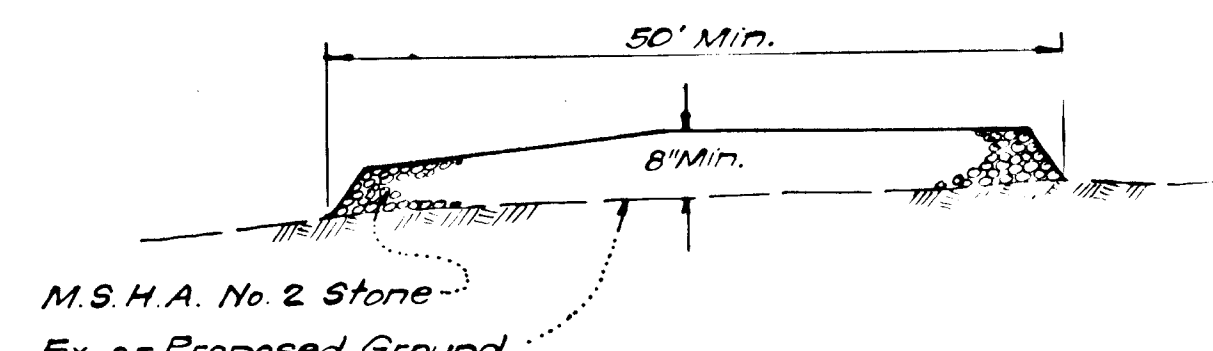
PIPE BLOCKING DETAIL
 No Scale



CROSS SECTION



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



SECTION VIEW
STABILIZED CONSTRUCTION ENTRANCE
 No Scale

Reviewed for Howard S.C.D. Name
 and meets Technical Requirements
C. Wayne Ray 3/7/79 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
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Thomas F. DeFlavis 3/31/78
 Signature Date
 Thomas F. DeFlavis

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.

St. Nelson Clark 3-31-78
 Signature Date
 St. Nelson Clark



APPROVED: DEPARTMENT OF PUBLIC WORKS		
<u>W. O. P. Libert</u>	3-15-79	DATE
APPROVED: HOWARD COUNTY OF PLANNING & ZONING		
<u>John W. Mumman</u>	3-8-79	DATE
CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED R.J.S.	ROAD CONSTRUCTION PLANS SEDIMENT & EROSION CONTROL DETAILS LOTS 5 THRU 12 A RESUBDIVISION OF LOT 4 CAMERON PROPERTY 3RD ELECTION DISTRICT	SCALE As Shown
DRAWN K.I.W.		DRAWING 4 of 4
CHECKED R.J.S.		JOB NO.
DATE Aug, 1978	FOR: C. & D. DEVELOPMENT CORP. % Thomas Associates, Suite 302 Century Plaza Bldg. Col. MD 21044	FILE NO. 1245-D