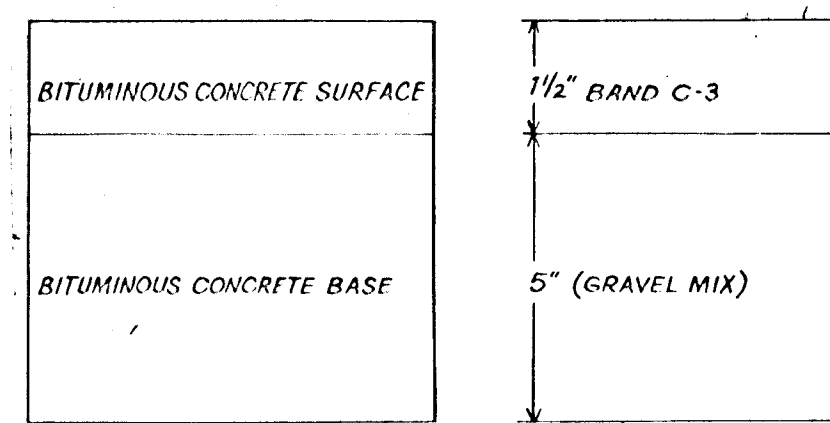


TYPICAL SECTION WOODCAMP RD. 12 TO 10+54.0

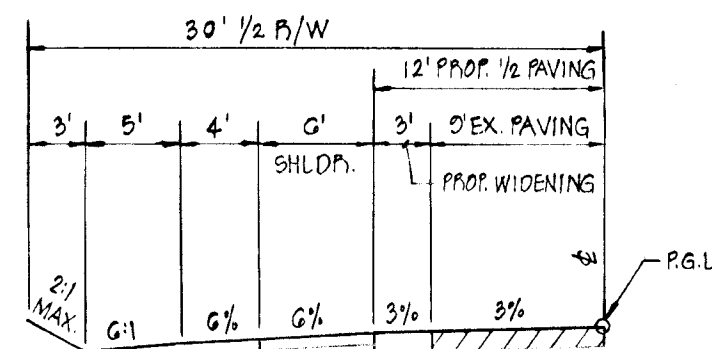
RESIDENTIAL STREET
EX ZONING: A DESIGN SPEED: 30 MPH.
REVISED FROM HOWARD COUNTY ROAD DESIGN MANUAL, FIG. 2.10 TO ALLOW FOR COVER OVER DRIVEWAY DRAINS.
NOT TO SCALE



CLEARING and GRADING: ARTICLE C-1
SURGRADE: ARTICLE C-2
BASE COURSE: ARTICLE C-33
SURFACE COURSE: ARTICLE C-31

NOTES:

1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CODE AND STANDARD SPECIFICATIONS.
2. THE BASE WILL BE PRIMED IN ACCORDANCE WITH SECTION C-30.3 AS PROVIDED IN THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.
3. A TACK COAT IS PROVIDED IN ACCORDANCE WITH SECTION C-31.4 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.



TYPICAL HALF SECTION HARDY ROAD - 6+60 TO 6+50

MINOR COLLECTOR
EX ZONING: A DESIGN SPEED: 40 MPH.
NOT TO SCALE

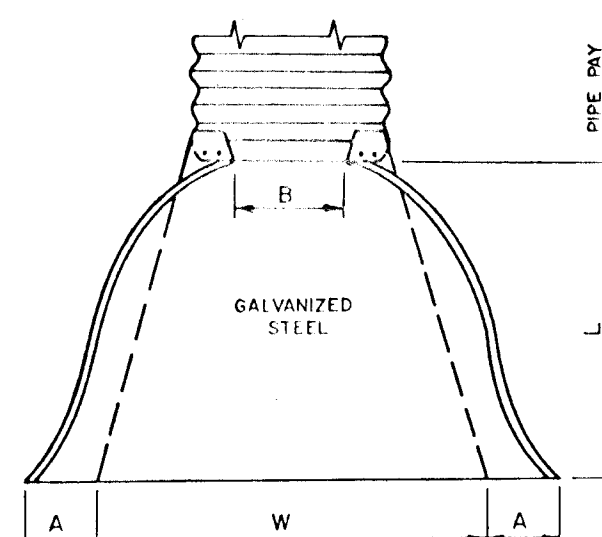
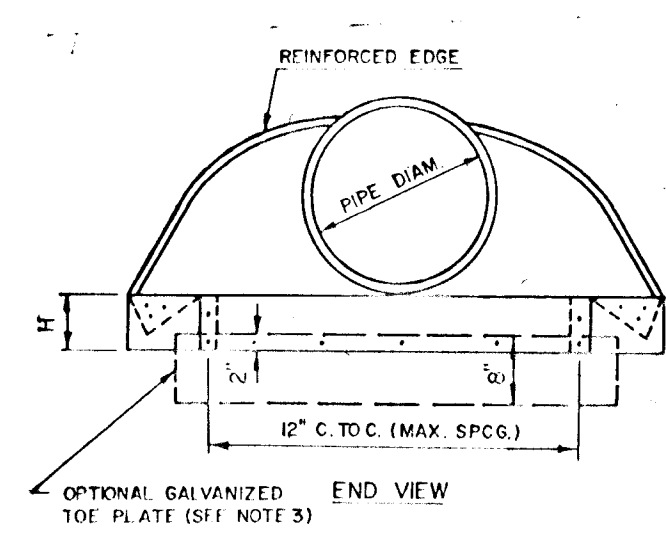


TABLE OF DIMENSIONS

PIPE DIAM.	GA.	A	B	H	L	W	APPROX. SLOPE	BODY
15	16	7	8	6	26	30	2 1/2	1FC

* INVERT ELEVATION TO BE AT THE PIPE END OF THE STANDARD END SECTION. ELEVATIONS TO BE NOTED ON CONSTRUCTION PLANS.

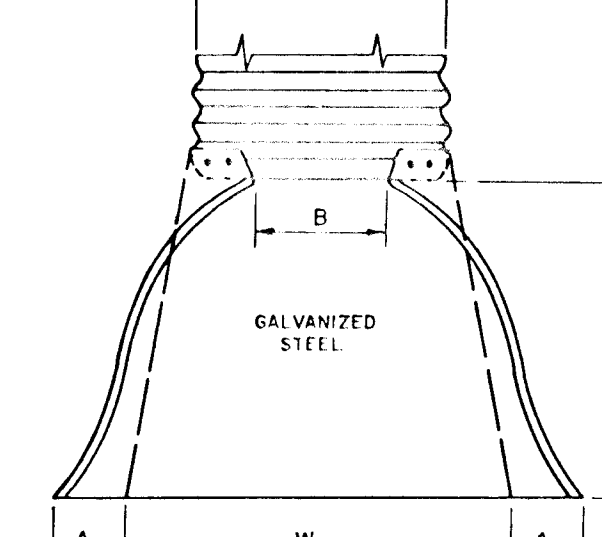
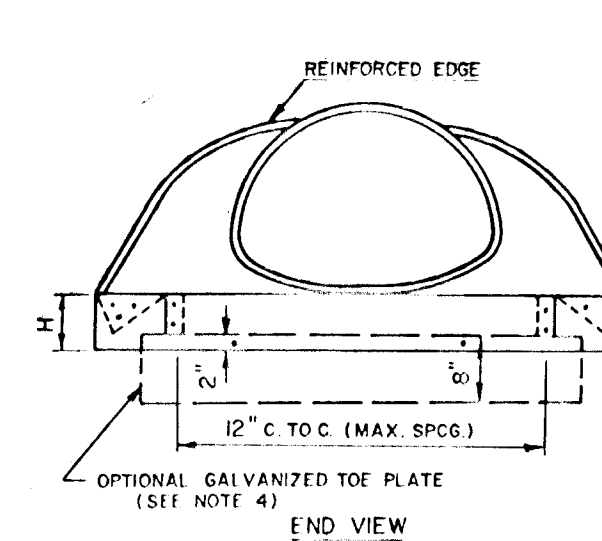
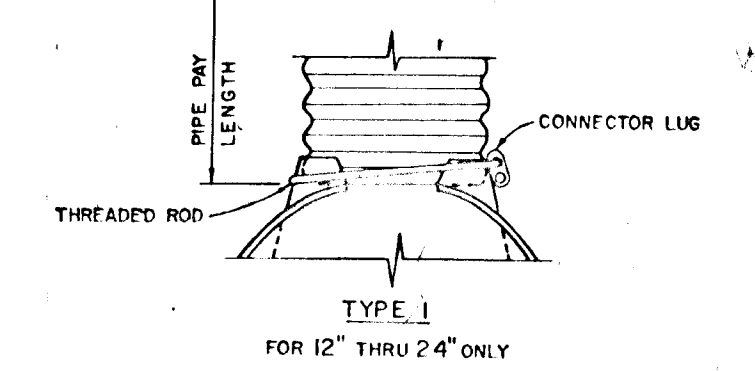


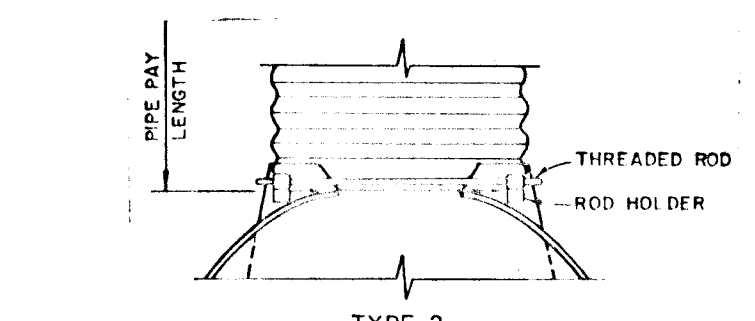
TABLE OF DIMENSIONS

PIPE DIAM.	GA.	A	B	H	L	W	APPROX. SLOPE	BODY
18	16	7	9	6	19	30	2 1/2	1FC
22	13	10	7	6	23	36	2 1/2	1FC

* INVERT ELEVATION TO BE AT THE PIPE END OF THE STANDARD END SECTION. ELEVATIONS TO BE NOTED ON CONSTRUCTION PLANS.



TYPE 1 FOR 12" THRU 24" ONLY



TYPE 2 FOR 18" X 11" THRU 58" X 36" ONLY

SEDIMENT CONTROL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS, PREPARED BY THE U.S.D.A. SOIL CONSERVATION SERVICE.
2. APPLY FOR GRADING PERMIT.
3. NOTIFY THE BUREAU OF LICENSE INSPECTIONS AND PERMITS 24 HRS. PRIOR TO GRADING OPERATIONS.
4. CONSTRUCTION SHALL ADHERE TO THE CONSTRUCTION SEQUENCE.
5. CUT AND FILL SLOPES SHALL BE 3:1 MAXIMUM.
6. ELEVATIONS MARKED THUS (X) SHALL BE FINISHED GRADE.
7. ANY EXCESS MATERIAL SHALL BE STOCKPILED IN A CLEARED LOCATION ON SITE WHICH IS PROTECTED BY SEDIMENT CONTROL STRUCTURE(S). MAXIMUM FILL SLOPE SHALL BE 3:1. STOCKPILED MATERIAL SHALL BE STABILIZED ACCORDING TO SEEDING SPECIFICATIONS BELOW.
8. SEDIMENT CONTROL STRUCTURES SHALL BE REMOVED ONLY WITH PERMISSION OF THE BUREAU OF LICENSE, INSPECTIONS AND PERMITS.
9. STABILIZATION MEASURES:
 - TEMPORARY STABILIZATION:
 - APPLY 2000 LBS./AC. OR 46 LBS. OF PULVERIZED DOLOMIC LIMESTONE, 500 LBS./AC. OR 11.5 LBS./1000 SQ. FT. OF 10-10-10 FERTILIZER, PLANT WITH RYE GRASS AT 40 LBS./AC. MULCH ALL DISTURBED AREAS IMMEDIATELY AFTER GRADING.
 - PERMANENT STABILIZATION:
 - APPLY: 4000 LBS./AC. OF PULVERIZED DOLOMIC LIMESTONE, 500 LBS./AC. OF 10-10-10 FERTILIZER.
 - SEED: 85 LBS./AC. OF KENTUCKY 31 TALL FESCUE, 40 LBS./AC. OF KENTUCKY BLUE GRASS, 25 LBS./AC. OF ANNUAL RYEGRASS.
- NOTE: SEEDING MAY BE DONE BETWEEN MARCH 1 - MAY 1, OR AUG. 1 - OCT. 1 ONLY. MULCH ALL DISTURBED AREAS IMMEDIATELY AFTER GRADING. MULCH: 2 TONS/AC. OF UNWEATHERED WHEATSTRAW, TIE MULCH DOWN WITH 480 GAL./AC. OF LIQUID ASPHALT.

SEQUENCE OF CONSTRUCTION

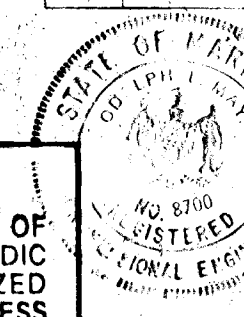
1. OBTAIN GRADING PERMIT.
2. NOTIFY HOWARD COUNTY BUREAU OF LICENSE, INSPECTIONS, AND PERMITS 24 HOURS PRIOR TO GRADING OPERATIONS.
3. INSTALL STORM DRAINS.
4. INSTALL SEDIMENT TRAPS (D.D. SCE).
5. SLOUGH GRADE SITE, STABILIZE WITH BASE COURSE.
6. FINE GRADE SIDE DITCHES AND INSTALL PERMANENT STABILIZATION MEASURES AS OUTLINED IN THE SPECIFICATIONS ABOVE.
7. REMOVE TEMPORARY SEDIMENT CONTROL MEASURES WITH THE APPROVAL OF THE HOWARD COUNTY BUREAU OF LICENSE, INSPECTIONS, AND PERMITS.

SITE ANALYSIS

TOTAL AREA OF SITE: 67 AC.
TOTAL AREA DISTURBED: 1.4 AC.
TOTAL AREA PAVED: 0.6 AC.
TOTAL AREA REVEGETATED: 0.8 AC.

PROPOSED STRUCTURE SCHEDULE

NO.	TYPE	INVTN	INVOU	TOPEL	REMARKS
I-1	45" INLET	697.33	697.08	702.74	HO CO ST'D DRWG. 64A PG 119A
I-2	18" YARD INLET	697.33	697.08	704.19	HO CO ST'D DRWG. D-93 PG 148
I-3	18" YARD INLET	697.33	697.08	704.19	HO CO ST'D DRWG. D-93 PG 148
S-1	CONC. END SECTION	697.33	697.08		(SEE DETAIL THIS SHEET)



OWNER & DEVELOPER

WAYNE HOUGH
17740 HARDY RD
MT AIRY, MD 21771

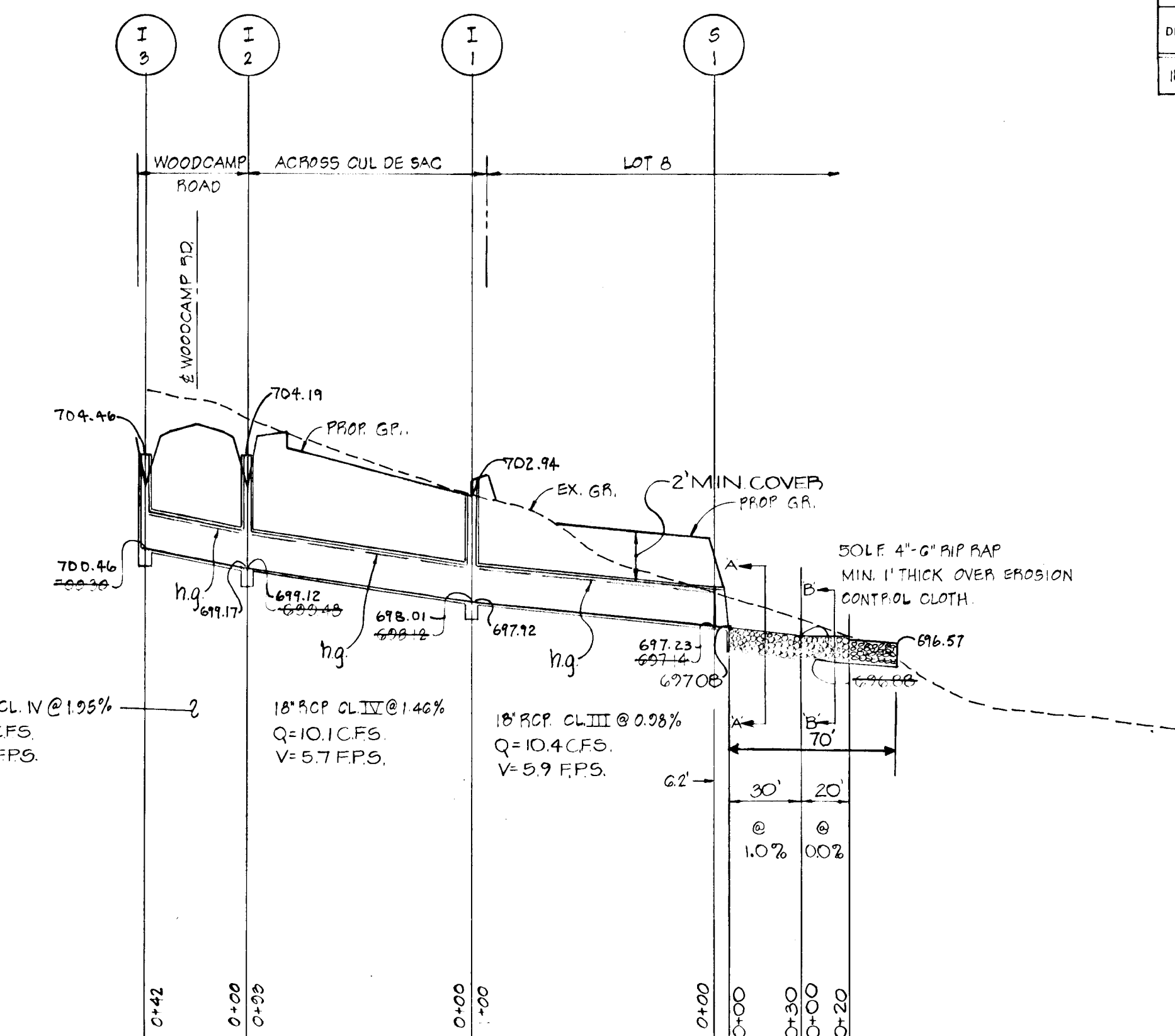
STORM DRAIN PROFILES AND DETAILS

WOODCAMP FARM-SECTION I-1-LOTS 4 THRU 14-A RESUB OF LOT 2

LOCATION: 4TH ELECTION DISTRICT HOWARD COUNTY, MD
DATE: JUNE, 1980 DESIGN BY: DRAWN BY: CHECKED BY: R.L.M.
SCALE: AS SHOWN JOB NO: 78272 DRAWING NO: 2 OF 3

boender associates
SUITE 103 101 TOWN & COUNTRY PROFESSIONAL BUILDING
ELLCOTT CITY, MARYLAND 21043
BALTIMORE 301 468 7332 SALISBURY 301 749 1288

engineers
surveyors
planners

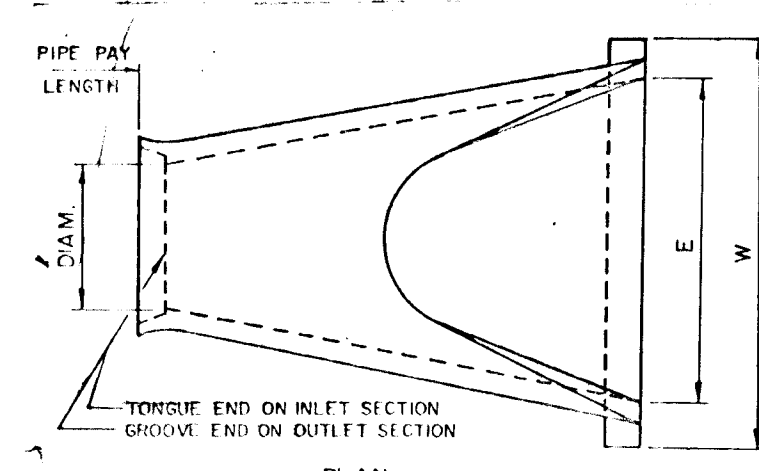


PROFILE
HORIZ. 1"=50'
SCALE: VERT. 1"=5'

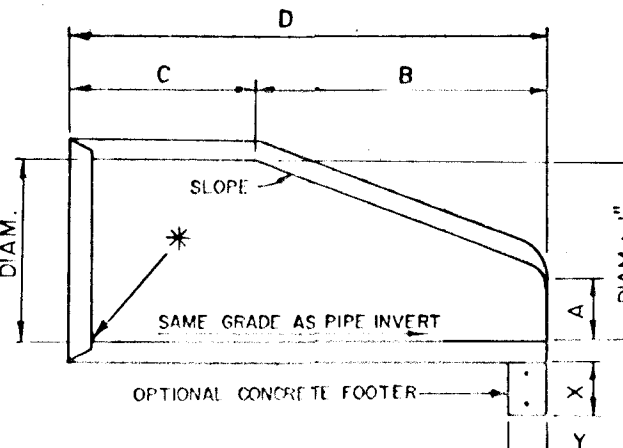
TABLE OF DIMENSIONS

DIAM.	CONCRETE END SECTION					CONCRETE FOOTER		
	A	B	C	D	E	W	X	Y
18	3:1	10 1/4	2-2	4-0	6-2	3-0	4-0	12-9

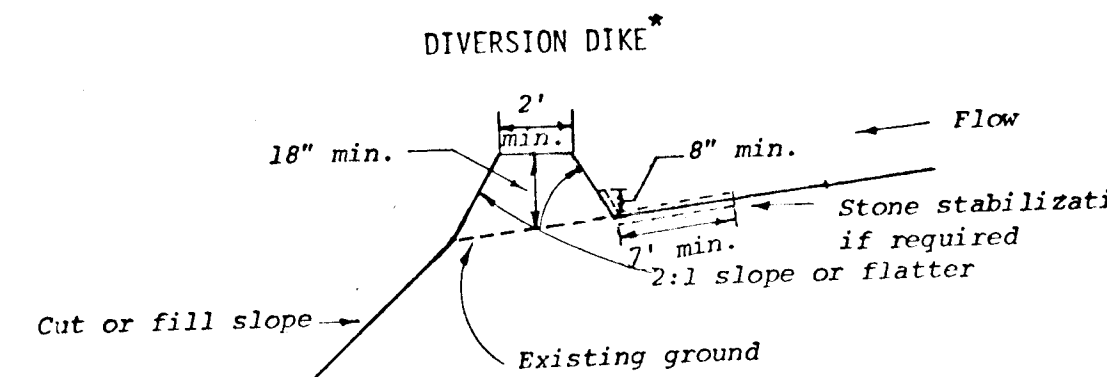
* INVERT ELEVATION TO BE AT THE PIPE END OF THE STANDARD END SECTION. ELEVATIONS TO BE NOTED ON CONSTRUCTION PLANS.



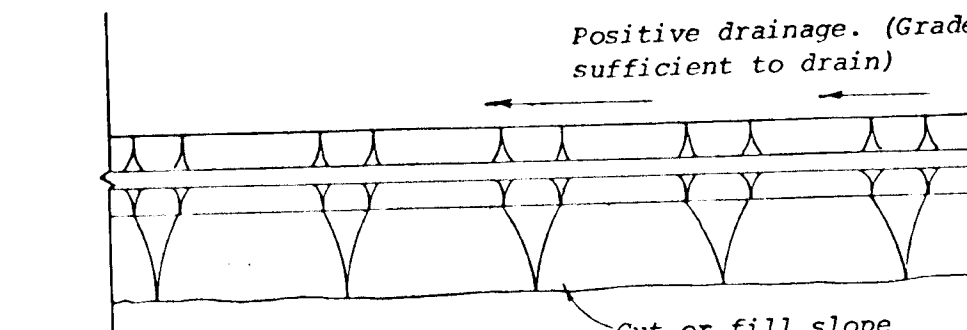
PLAN



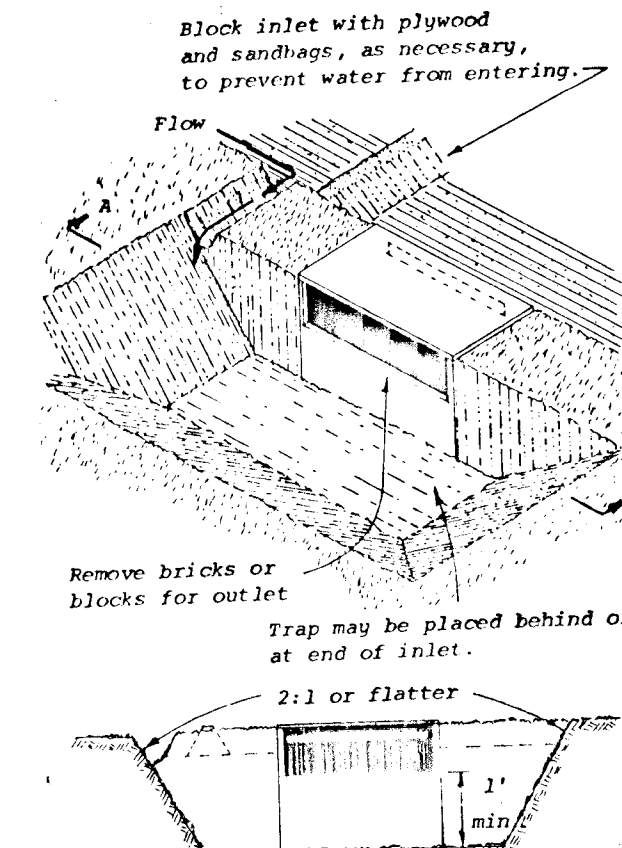
LONGITUDINAL SECTION



CROSS SECTION



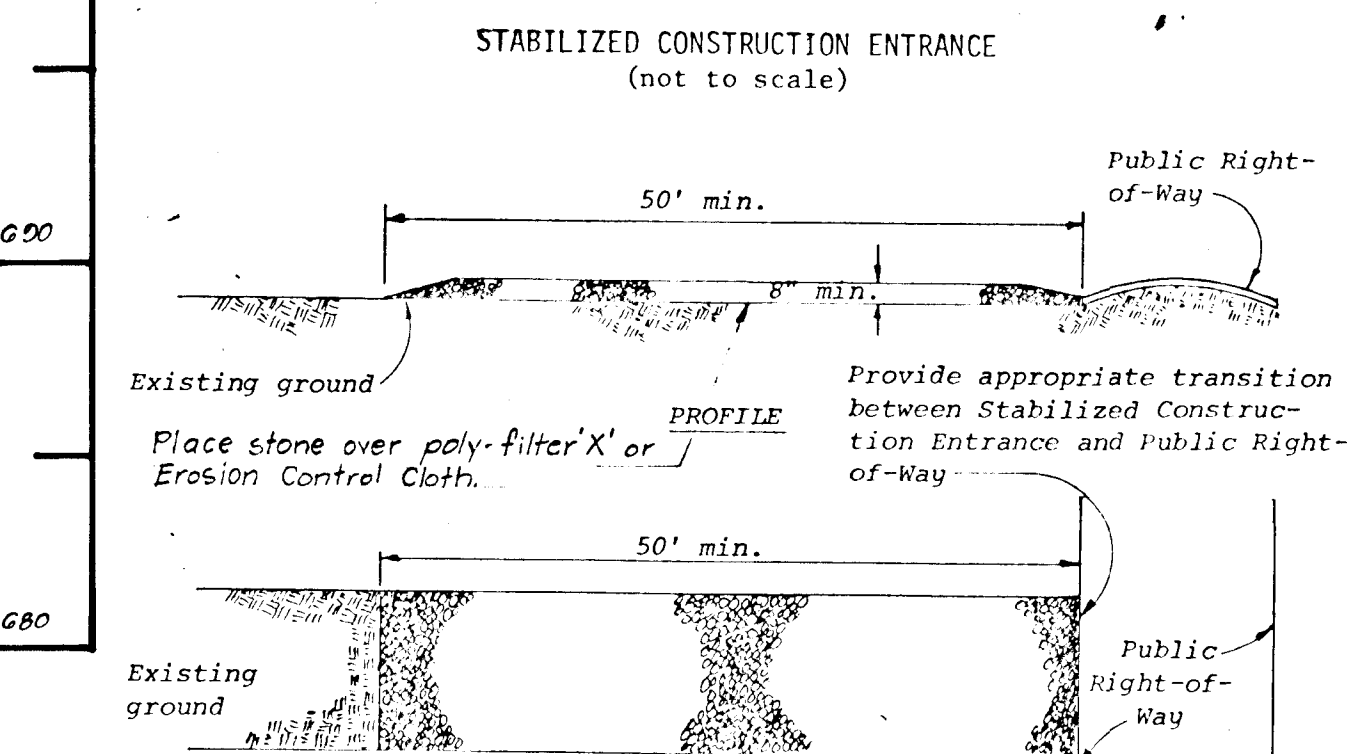
PLAN VIEW



SECTION A-A

CURB DRAIN

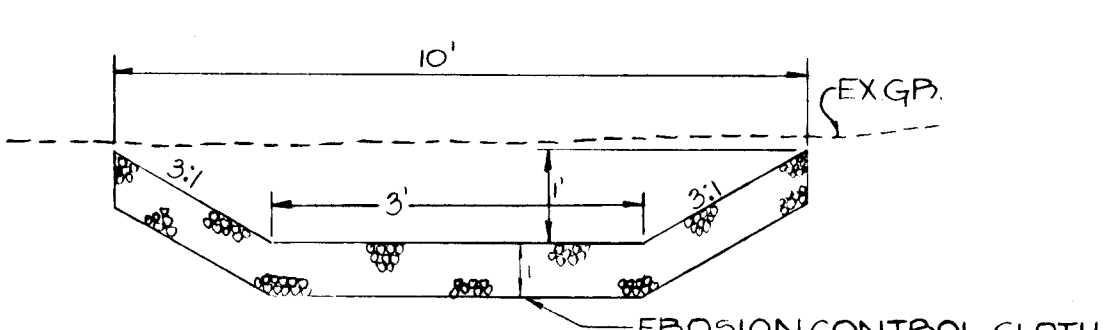
NOTE: Where curb is in place, provide a 1 ft. wide opening in the curb or use a sanding dam to force water over the curb to the trap.



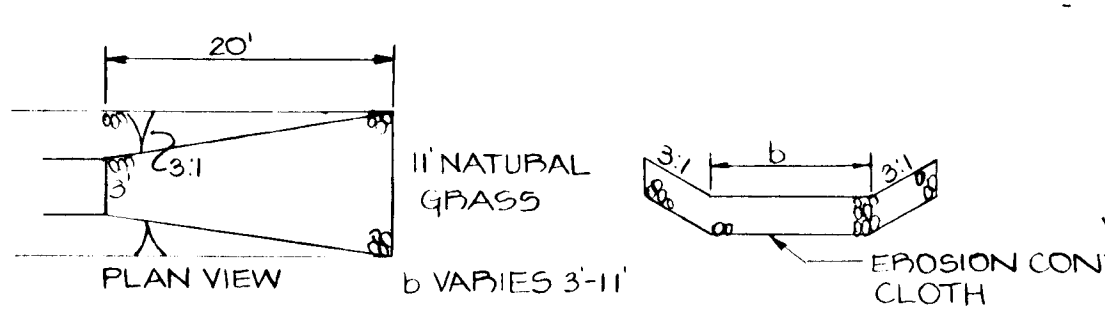
STABILIZED CONSTRUCTION ENTRANCE (not to scale)

STABILIZED CONSTRUCTION ENTRANCE

Standard Drawing SCT-1



SECTION A-A-PIPPAP BEND (NO SCALE)

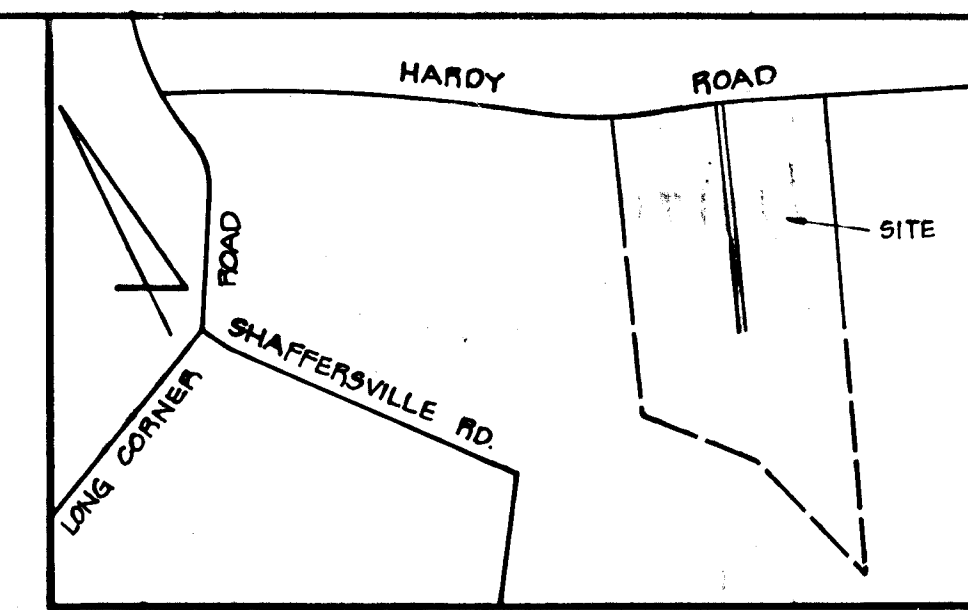
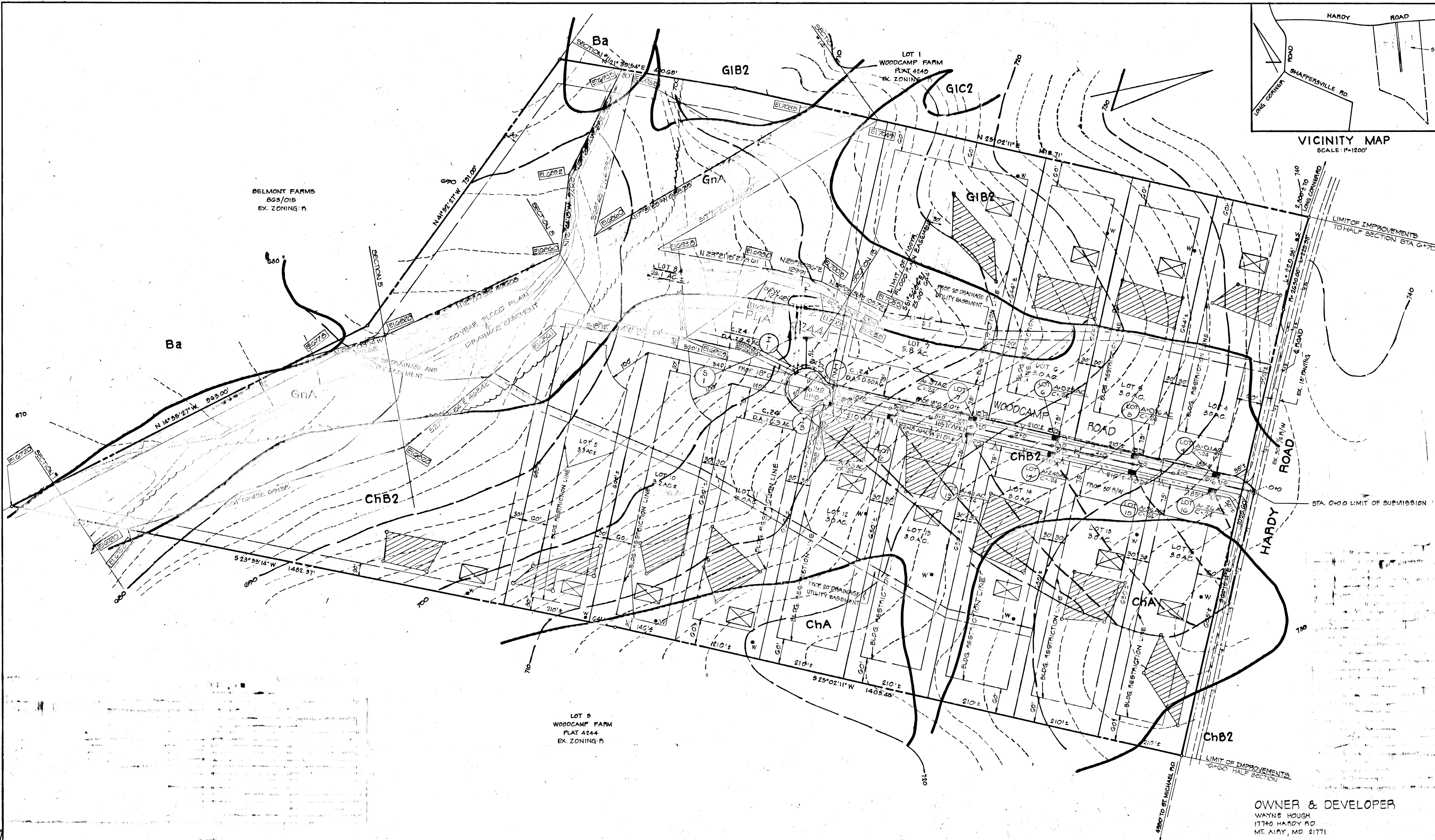


SECTION B-B-OUTLET PROTECTION (NO SCALE)

APPROVED DEPARTMENT OF PUBLIC WORKS
Wayne Hough
DATE: 7-14-80
APPROVED OFFICE OF PLANNING AND ZONING
Chief, Division of Land Development
DATE: 7-15-80

DEVELOPER'S CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
Wayne Hough
DEVELOPER
DATE: 7-14-80

ENGINEER'S CERTIFICATE
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
Rodolph Mays
ENGINEER
DATE: 7-15-80

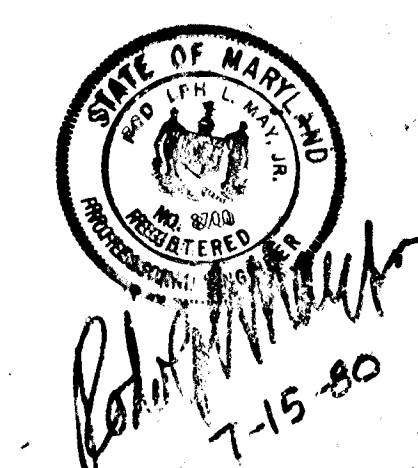


BELMONT FARMS
863/015
EX. ZONING: P

LOT 5
WOODCAMP FARM
PLAT 4244
EX. ZONING: P

OWNER & DEVELOPER
WAYNE HOUGH
17740 HARDY RD.
MT. AIRY, MD. 21771

APPROVED DEPARTMENT OF PUBLIC WORKS
William E. Rhy 10/22/80
 CHIEF, BUREAU OF ENGINEERING DATE
 APPROVED OFFICE OF PLANNING AND ZONING
Phillip M. Moseman 10-14-80
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE



TITLE DRAINAGE AREA MAP			
PROJECT WOODCAMP FARM - SECTION 1 - LOTS 4 THRU 14 - A RESUB OF LOT 2			
LOCATION 4TH ELECTION DISTRICT		HOWARD COUNTY, MD.	
DATE JUNE 1980	DESIGN BY	DRAWN BY J. J. B.	CHECKED BY P. L. M.
SCALE 1" = 100'	JOB NO. 78272	DRAWING NO. 3 OF 3	
boender associates SUITE 102 107 TOWN & COUNTRY PROFESSIONAL BUILDING ELLCOTT CITY, MARYLAND 21043 BALTIMORE 301-485-7777 SALISBURY 301-749-1286			engineers surveyors planners