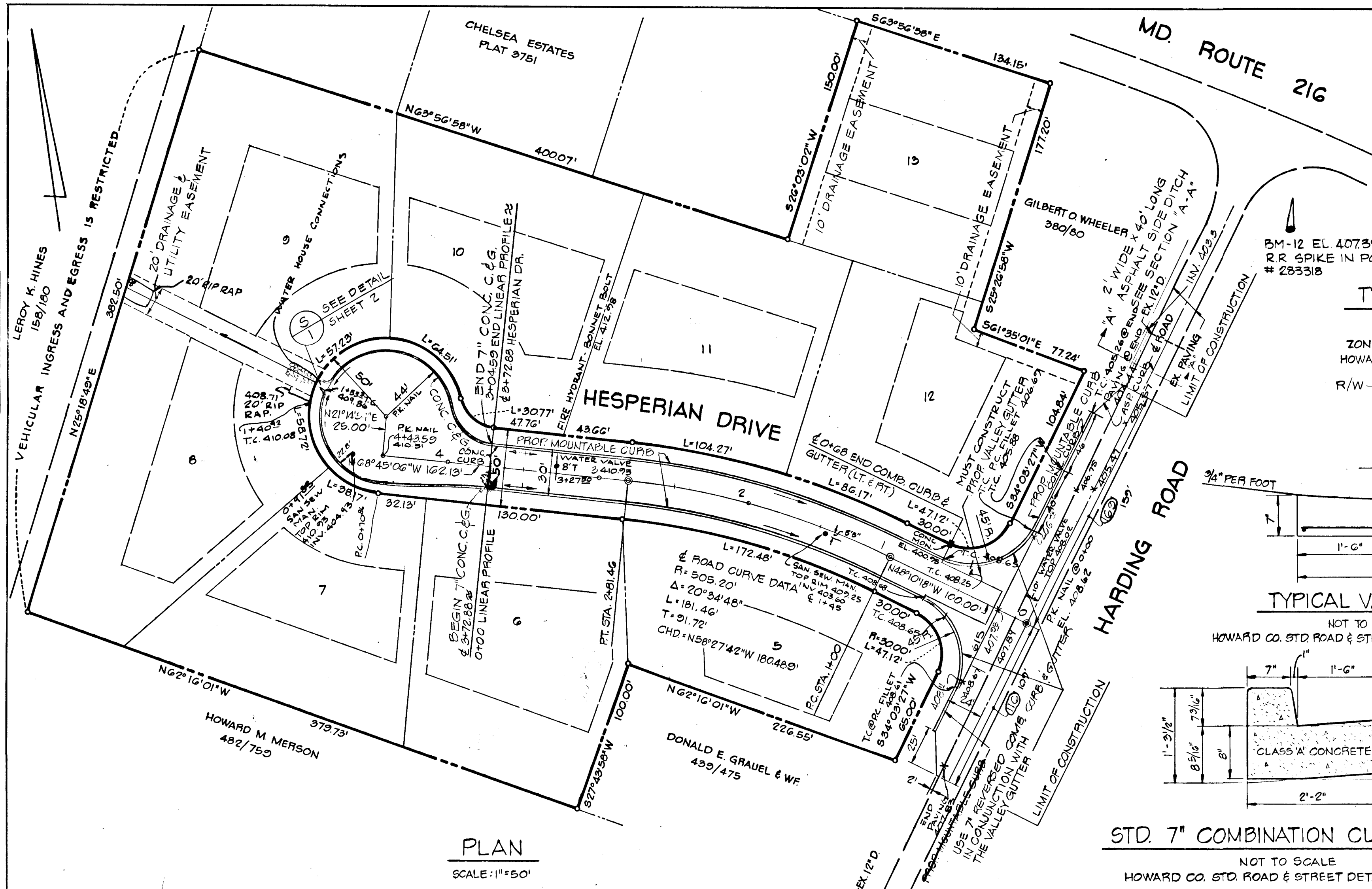
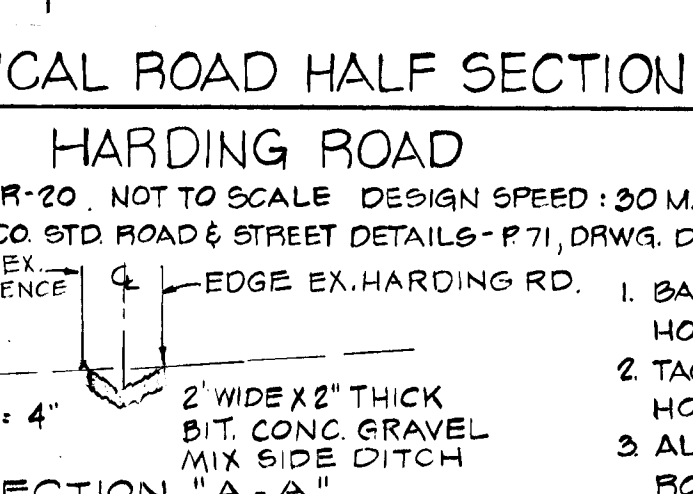
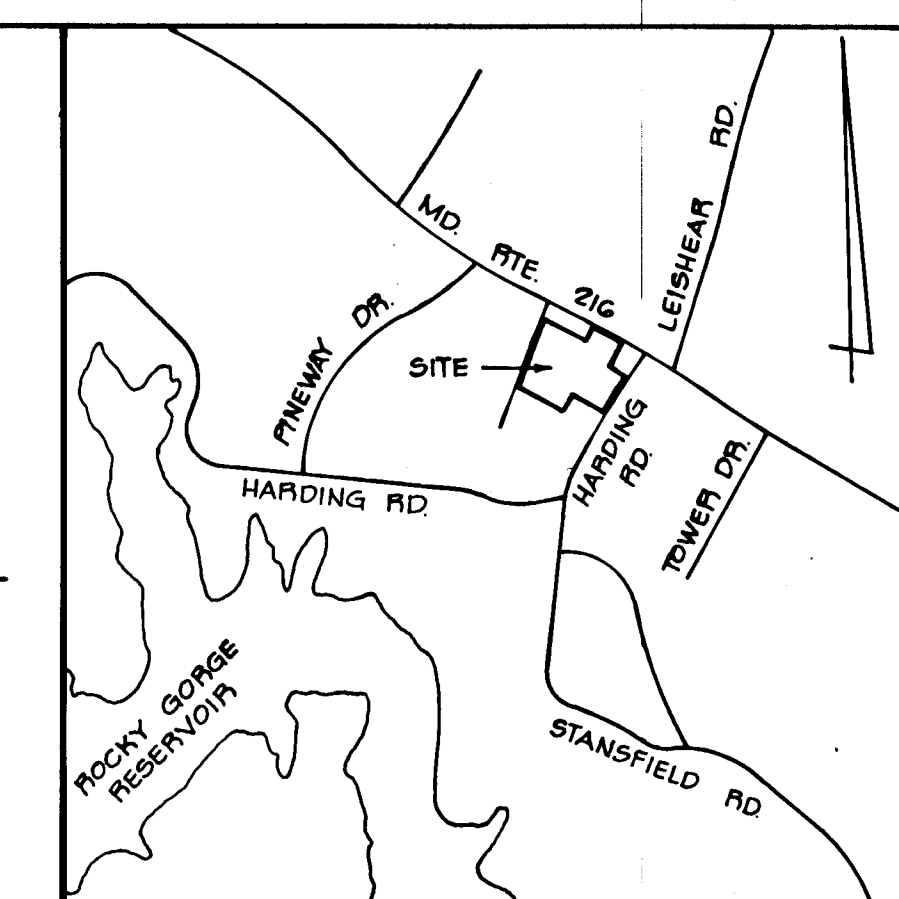
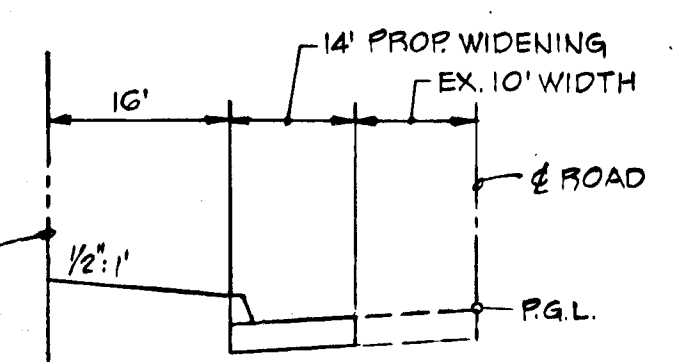
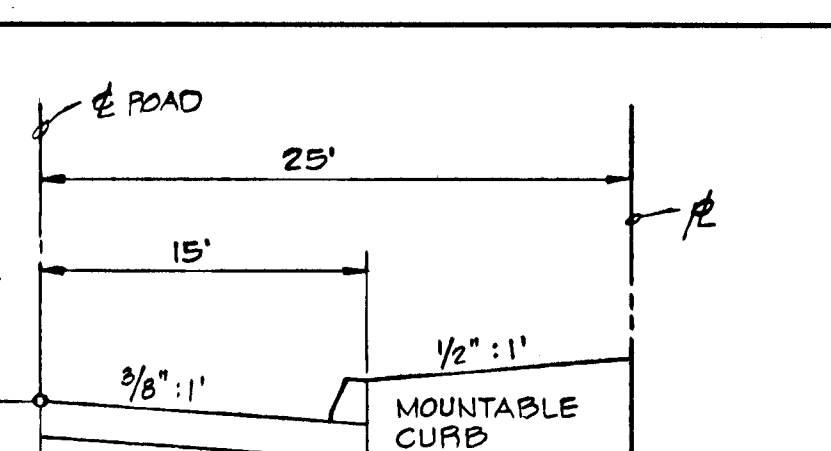


PLAN SURVEYED BY DATE
 NOTE BOOK NO. DATE CHECKED BY DATE
 NO. OF R/W CHECKED BY DATE

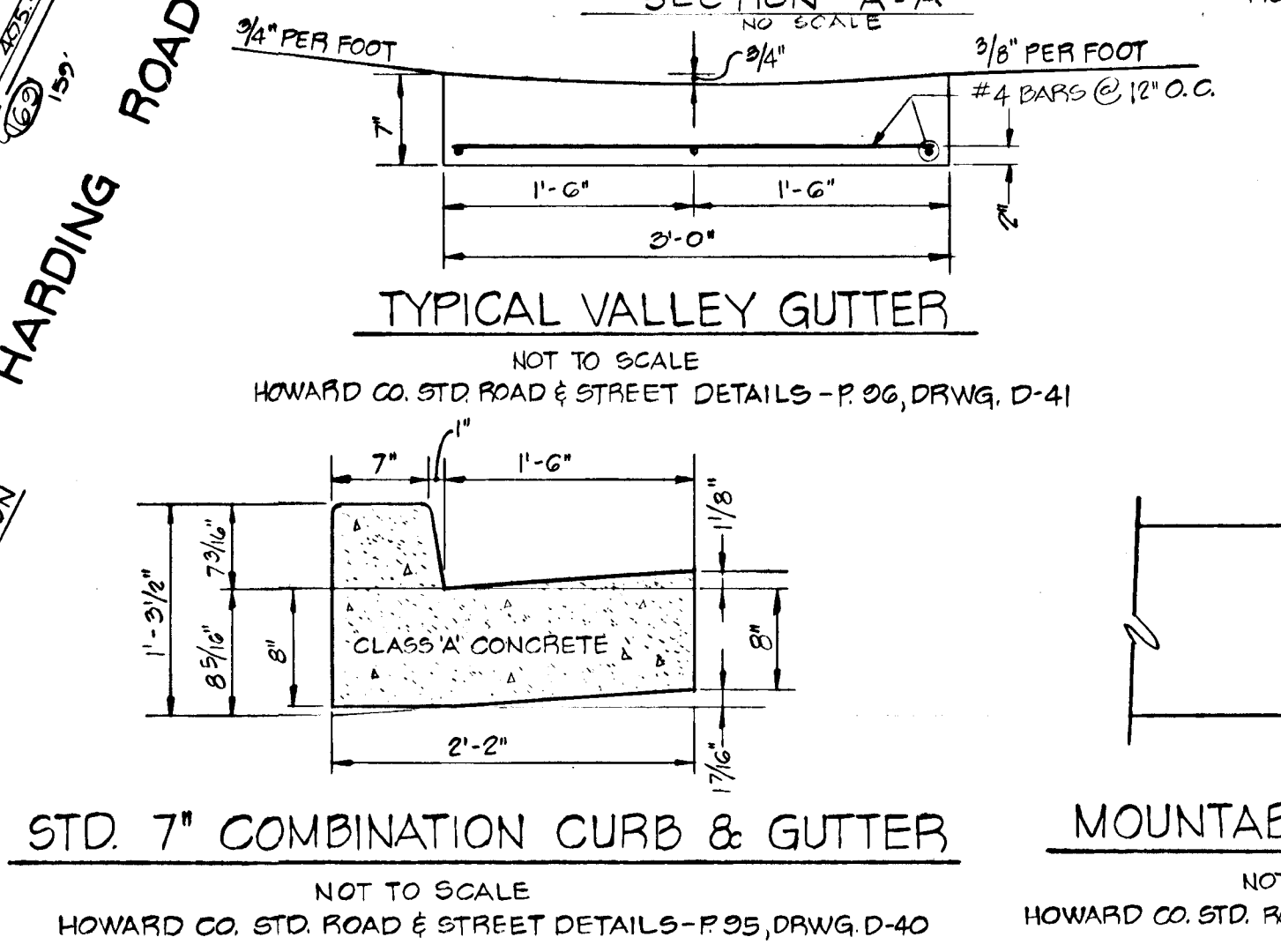
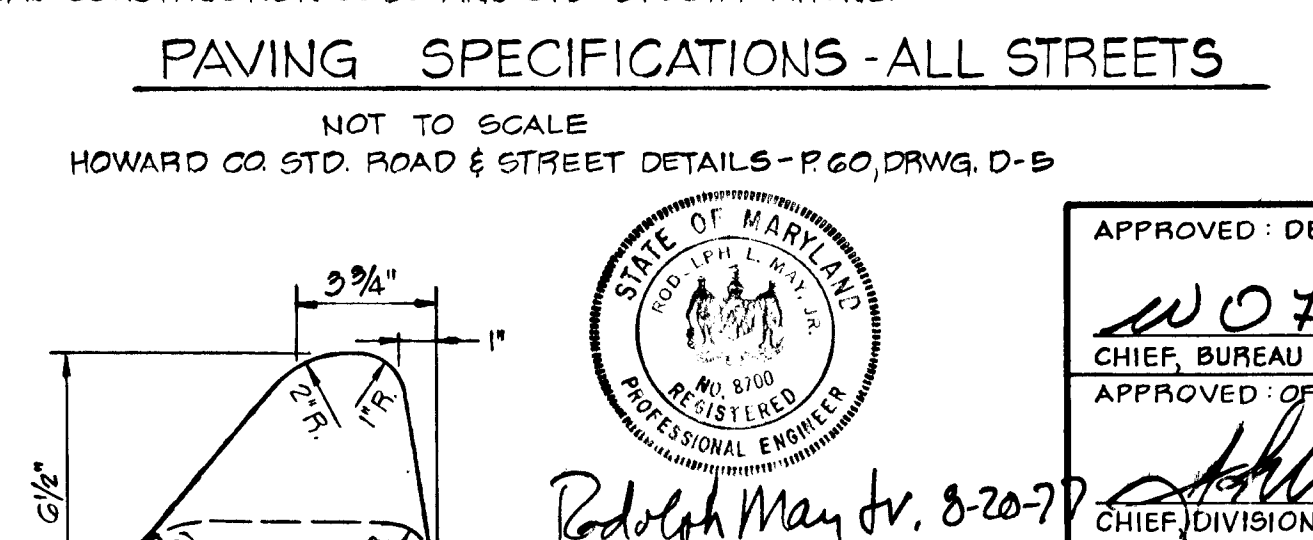
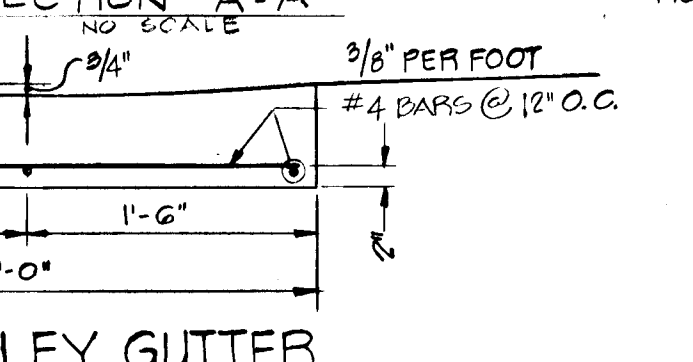
PROFILE SURVEYED BY DATE
 NOTE BOOK NO. DATE CHECKED BY DATE
 NO. OF STRUCTURE NO. DATE CHECKED BY DATE



- NOTES:
 1. ALL GRADING AND ROAD CONSTRUCTION TO BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.
 2. ALL CLASS 'A' CONCRETE SHALL BE AIR ENTRAINED.
 3. THE IN OF PROPOSED HIGHWAY WITH HARDING ROAD SHALL BE DONE UNDER THE DIRECTION OF THE INSPECTOR IN THE FIELD.
 4. NOTIFY THE DIVISION OF INSPECTIONS AND SURVEYS 48 HOURS PRIOR TO THE START OF CONSTRUCTION. TELEPHONE NUMBER: 207-3445



- PAVING SPECIFICATIONS - ALL STREETS
 NOT TO SCALE
 HOWARD CO. STD. ROAD & STREET DETAILS - P60, DRWG. D-5
- 1. BASE WILL BE PRIMED IN ACCORDANCE WITH C-30-3 AS PROVIDED IN THE HOWARD CO. STD. ROAD CONSTRUCTION CODE AND STD. SPECIFICATIONS.
 - 2. TACK COAT IS TO BE IN ACCORDANCE WITH C-21-4 AS PROVIDED IN THE HOWARD CO. STD. ROAD CONSTRUCTION CODE AND STD. SPECIFICATIONS.
 - 3. ALL PAVING MATERIAL TO BE IN ACCORDANCE WITH THE HOWARD CO. ROAD CONSTRUCTION CODE AND STD. SPECIFICATIONS.

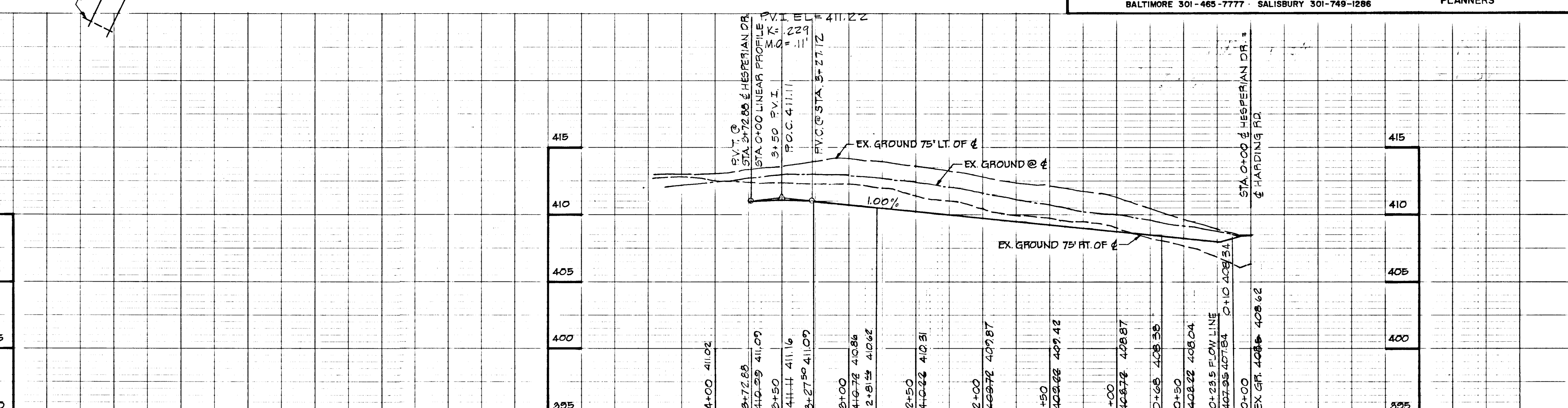
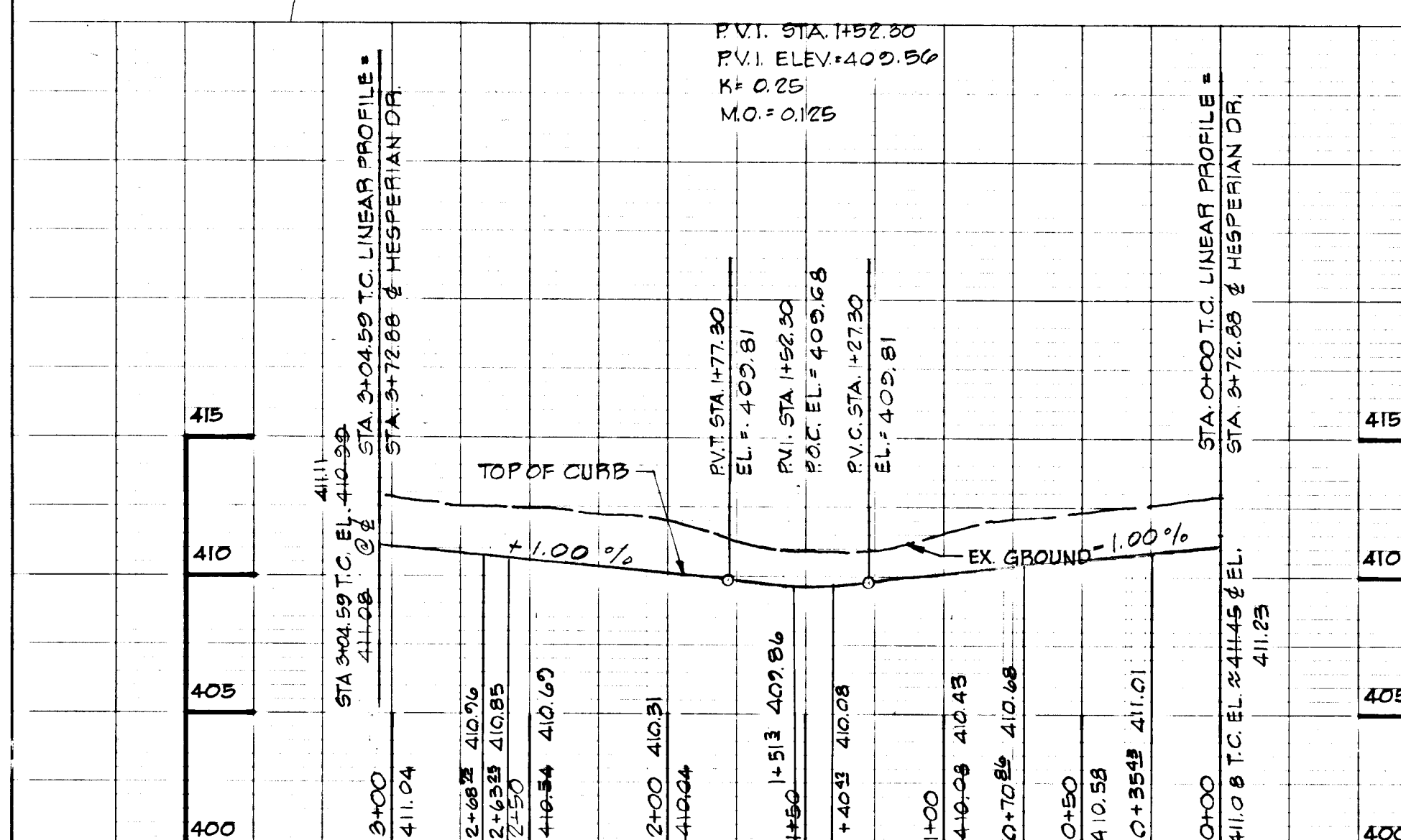


OWNER AND DEVELOPER
 CHARLES S. PERDUE & J. F. HESS
 10071 WASHINGTON BLVD.
 LAUREL, MD. 20810

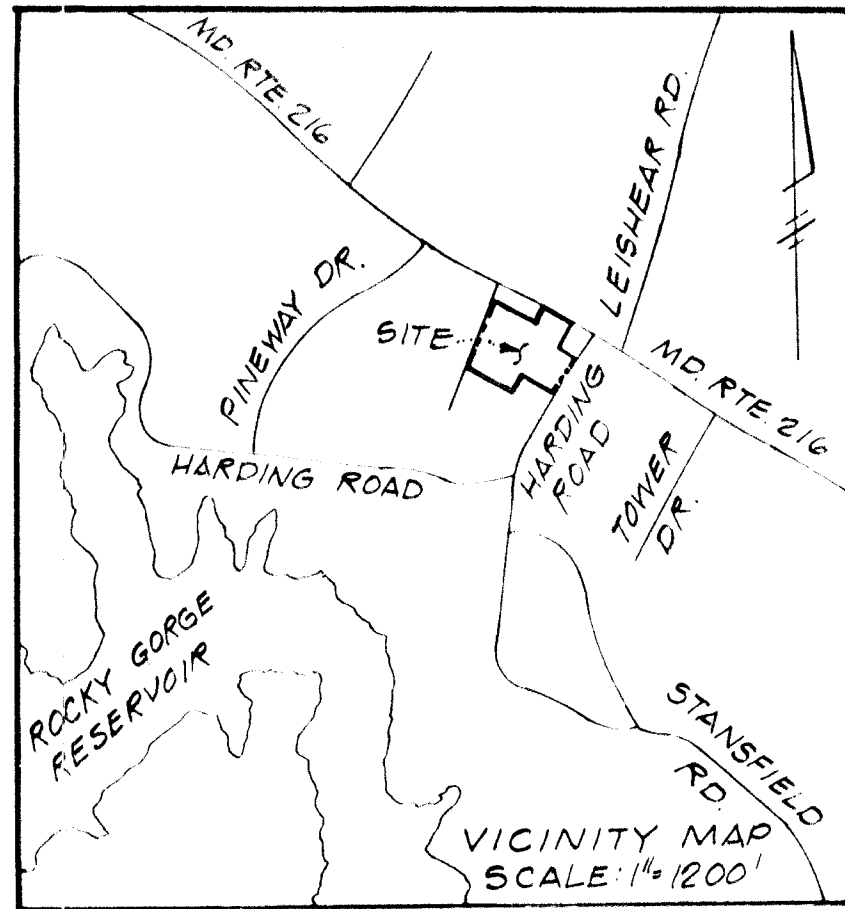
APPROVED: DEPARTMENT OF PUBLIC WORKS
 W. O. LaVette 2-8-78
 CHIEF, BUREAU OF ENGINEERING DATE
 APPROVED: OFFICE OF PLANNING AND ZONING
 R. W. M. 2-10-78
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 R. W. M. 8-20-77

TITLE PLAN & PROFILE - HESPERIAN DR.			
PROJECT CHELSEA ESTATES			
SECTION I - A RESUBDIVISION OF LOT 4			
LOCATION GTH ELECTION DISTRICT		HOWARD CO., MD	
DATE AUGUST, 1977	DESIGN BY R.L.M.	DRAWN BY J.J.B.	CHECKED BY R.L.M.
SCALE AS SHOWN	JOB NO. 7762	DRAWING NO. 1 OF 3	
BOENDER ASSOCIATES		ENGINEERS SURVEYORS PLANNERS	
BALTIMORE 301-465-7777 SALISBURY 301-749-1286			



REV. 12-6-77 ADD SECT 'A-A', REV. PROFILE HESPERIAN DR. & LINEAR PROFILE. ADD S-1 & DRAINAGE ESM'T. BY: W.N. CHK: R.M.



GENERAL NOTES:
1. ALL DIMENSIONS ARE IN FEET AND DECIMALS THEREOF UNLESS OTHERWISE NOTED.

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CHKD.
1	8/23/11	ADDED NOTES WITH REGARD TO THE PROPOSED SEDIMENT CONTROL MEASURES AS PER THE HOWARD COUNTY CONSERVATION DISTRICT'S COMMENTS.	W.P.	

TYPICAL LOT SEDIMENT CONTROL MEASURES

DEVELOPER'S CERTIFICATE
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE ACCORDING TO THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL MEASURES ATTACHED TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL MEASURES. I AM AWARE THAT THE HOWARD COUNTY CONSERVATION DISTRICT HAS REVIEWED AND APPROVED THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL MEASURES. I AM ALSO AWARE THAT THE HOWARD COUNTY CONSERVATION DISTRICT HAS REVIEWED AND APPROVED THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL MEASURES.

Charles B. Perdue 8/23/11
DEVELOPER

ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL MEASURES IS ACCORDING TO THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL MEASURES. I AM AWARE THAT THE HOWARD COUNTY CONSERVATION DISTRICT HAS REVIEWED AND APPROVED THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL MEASURES. I AM ALSO AWARE THAT THE HOWARD COUNTY CONSERVATION DISTRICT HAS REVIEWED AND APPROVED THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL MEASURES.

Robert W. Ziehm 8-20-11
REGISTERED PROFESSIONAL ENGINEER
STATE OF MARYLAND

APPROVED FOR POWER, POLICE AND MUTUAL ASSISTANCE DEPARTMENT

Michael J. Condit 11/2/10
MUTUAL ASSISTANCE DEPARTMENT

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL MEASURES BY THE HOWARD COUNTY CONSERVATION DISTRICT.

Robert W. Ziehm 1/3/11
HOWARD COUNTY CONSERVATION DISTRICT

APPROVED FOR THE BUREAU OF PUBLIC WORKS

W. O. S. Smith 2-8-11
CHIEF, BUREAU OF ENGINEERING

APPROVED: OFFICE OF PLANNING AND ZONING

John M. Mather
CHIEF, DIVISION OF LAND DEVELOPMENT

CONSTRUCTION SEQUENCE

1. NOTIFY THE BUREAU OF LICENSE, INSPECTIONS AND PERMITS 24 HOURS PRIOR TO GRADING OPERATIONS.
2. NOTIFY THE BUREAU OF LICENSE, INSPECTIONS AND PERMITS 24 HOURS PRIOR TO GRADING OPERATIONS.
3. INSTALL EROSION CONTROL MEASURES: SILT FENCE (SF), SCE, PD AND S.B.D. AT SOUTH END OF PROPERTY.
4. GIVE TOP OF GRADE WITH BASE COURSE MATERIAL. INSTALL S.O.S. AT NORTH EAST CORNER OF LOT 12.
5. USE GRADE FRONT OF WAY AND APPLY PERMANENT STABILIZATION MEASURES AS PER SEDIMENT CONTROL MEASURES.
6. REMOVE TEMPORARY SEDIMENT CONTROL MEASURES AFTER AUTHORIZATION BY THE BUREAU OF LICENSE, INSPECTIONS AND PERMITS.

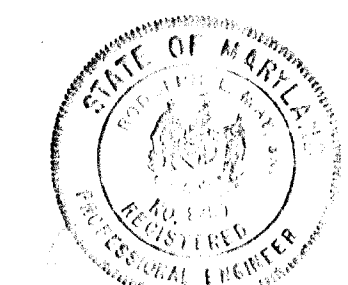
SPECIAL NOTES

1. THIS PLAN IS FOR ROAD CONSTRUCTION ONLY. INDIVIDUAL LOT DEVELOPMENT PLANS REQUIRE SUBMISSION OF A GRADING & SEDIMENT CONTROL PLAN.
2. IF HOUSES ARE BUILT ON A SINGLE LOT BASIS, USE TYPICAL LOT SEDIMENT CONTROL MEASURES.

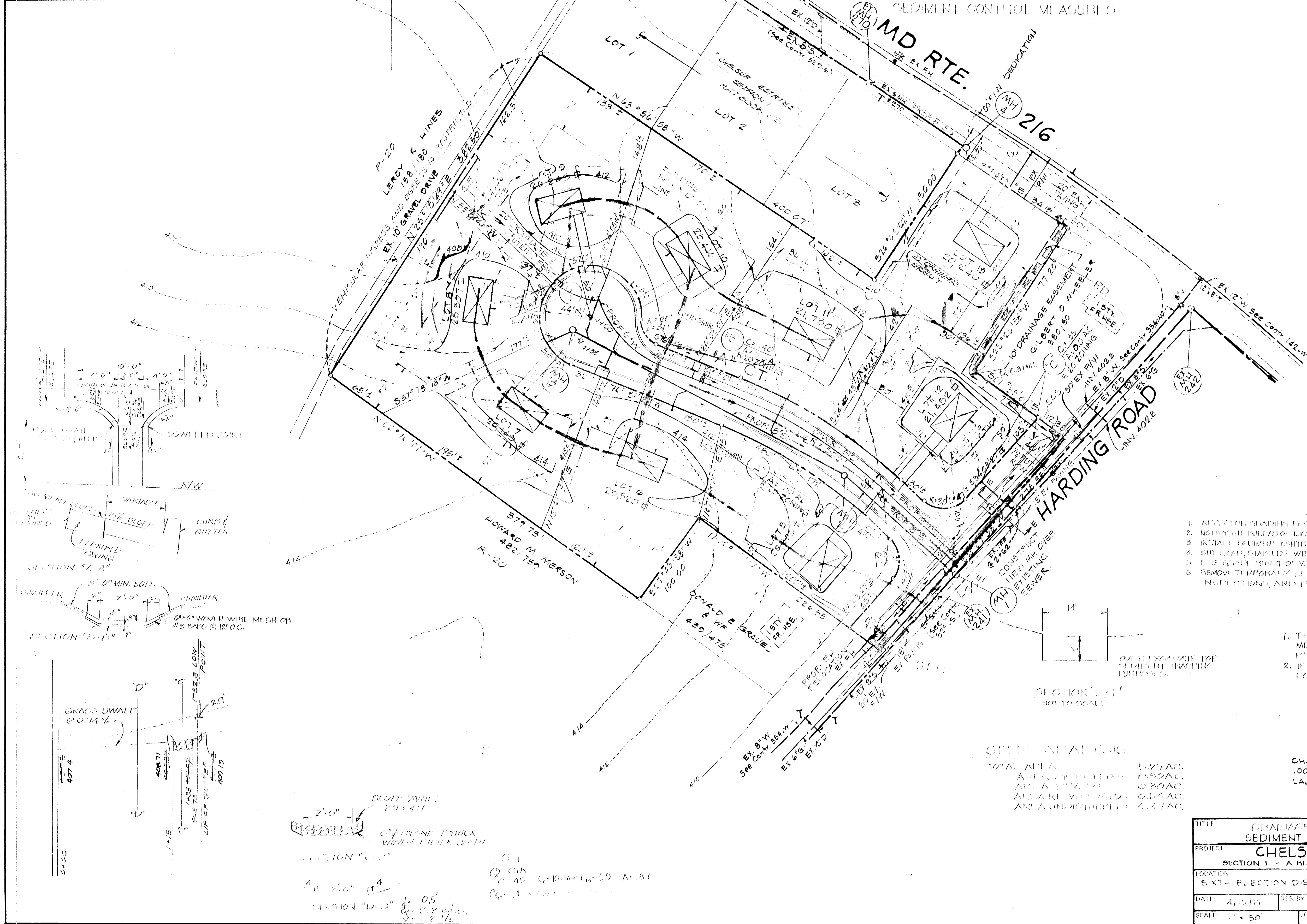
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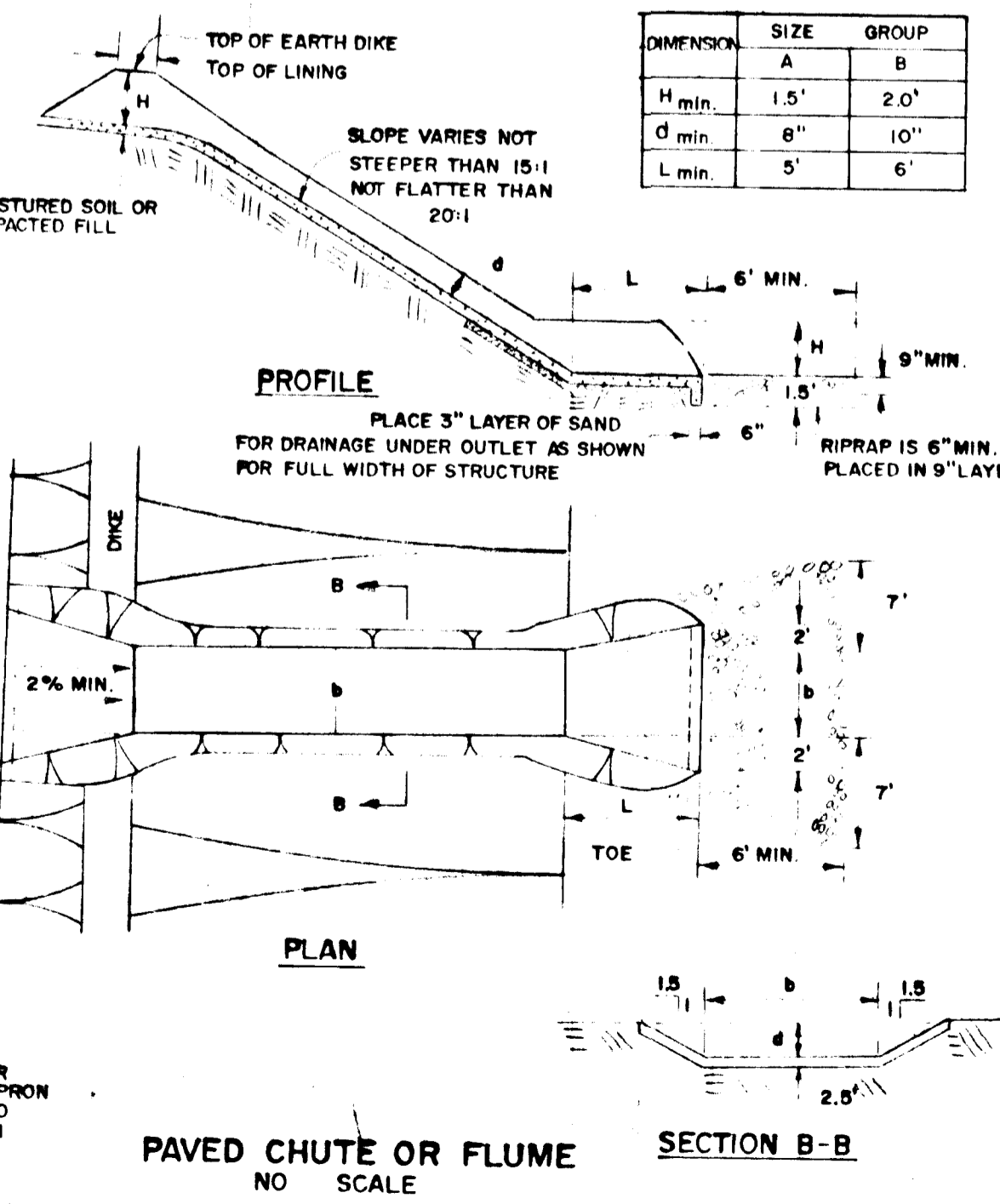
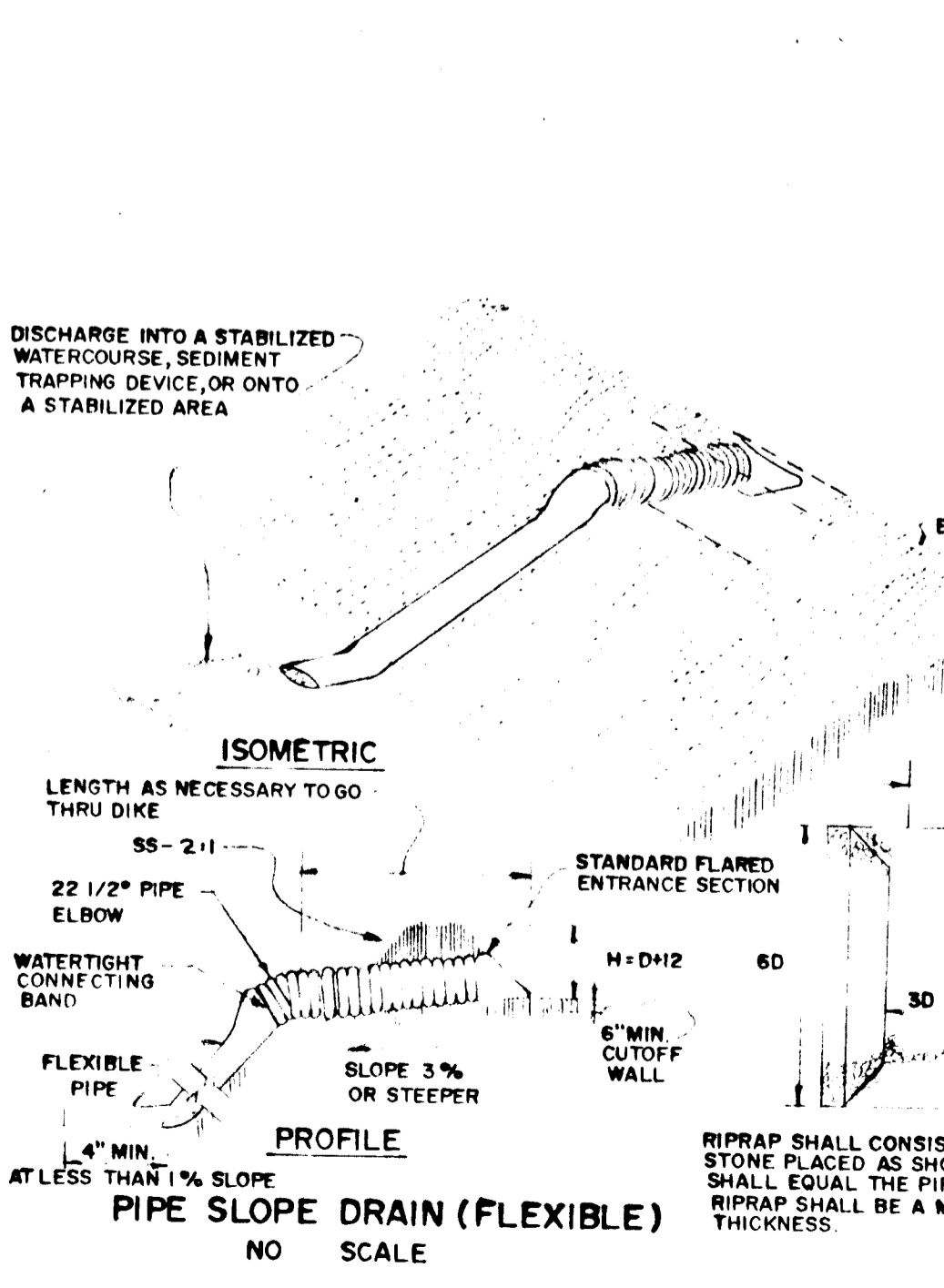
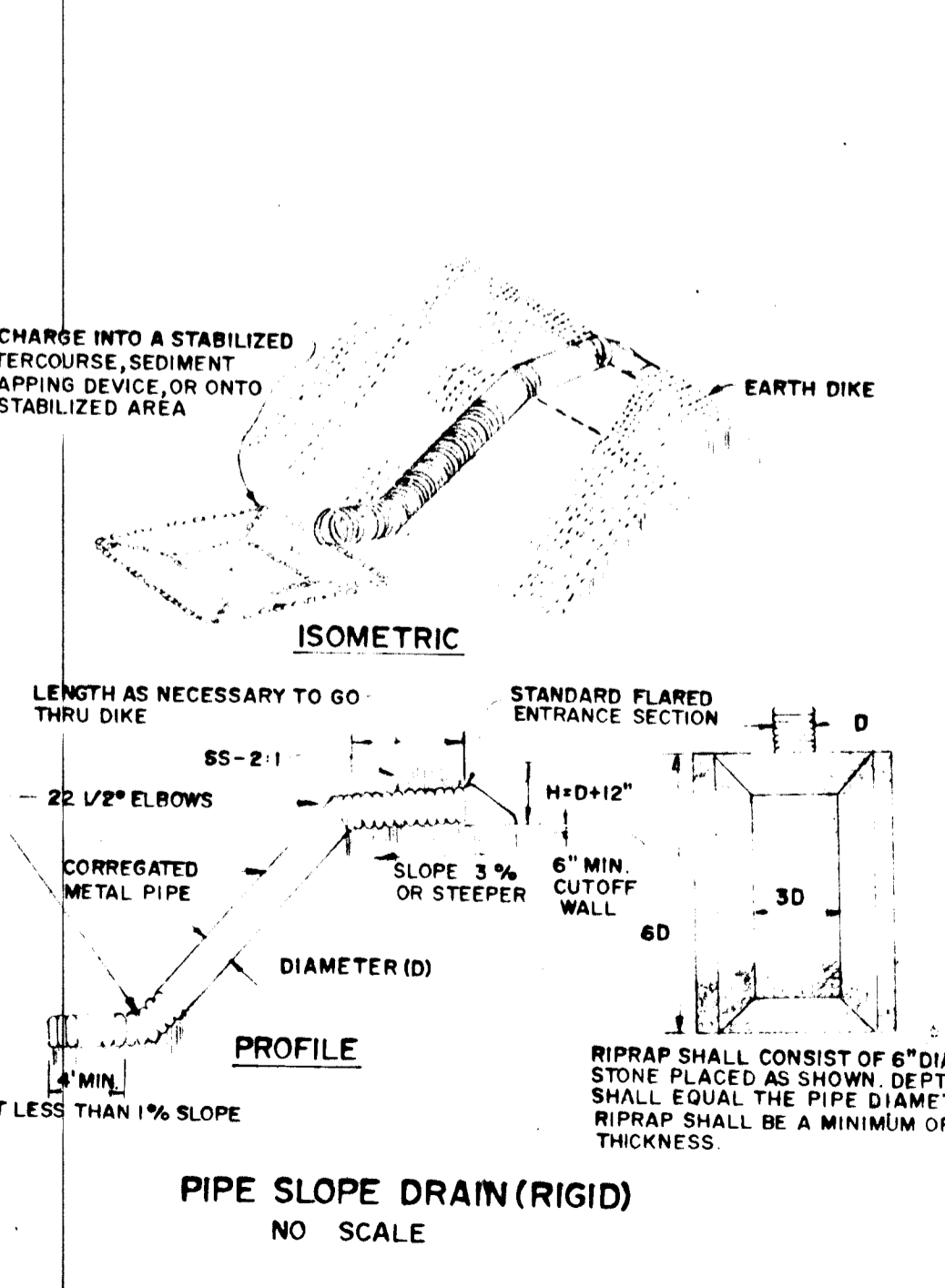
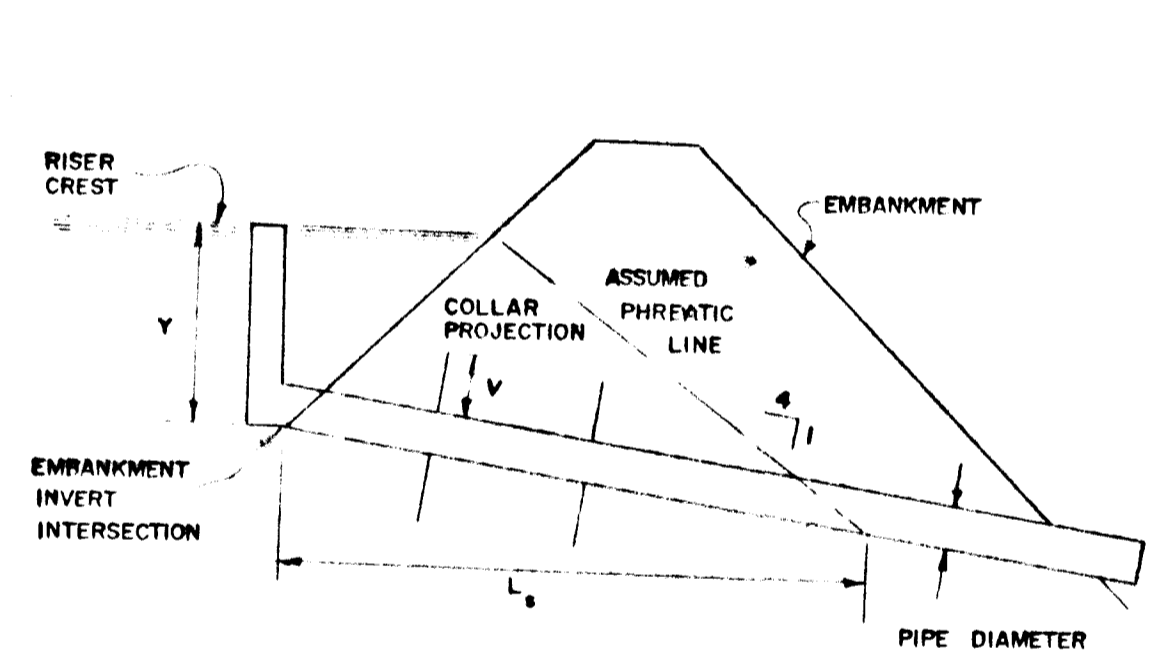
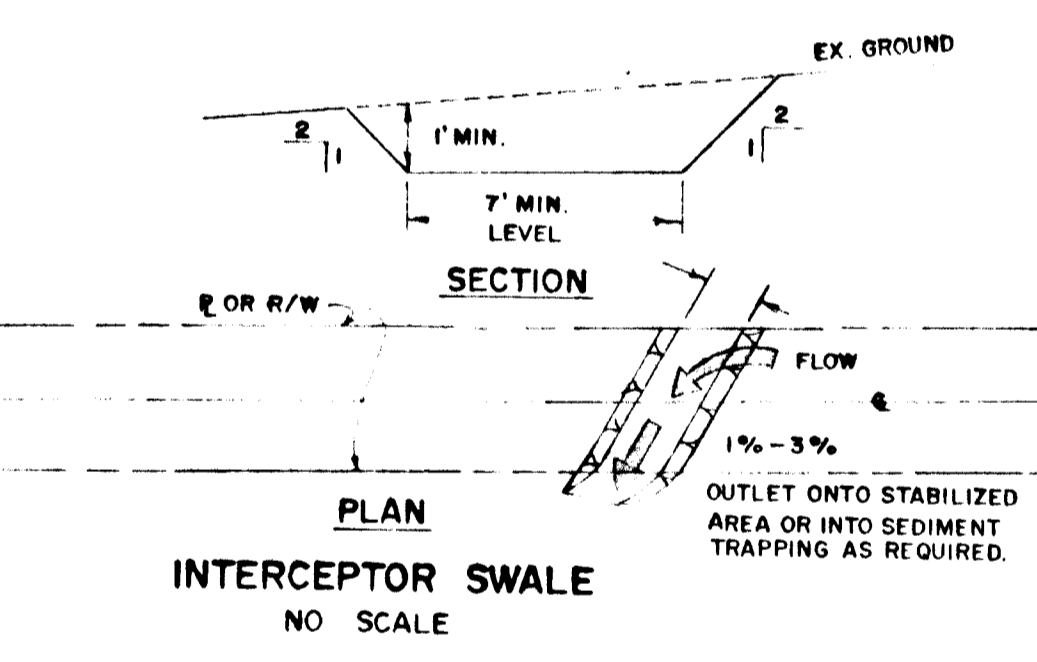
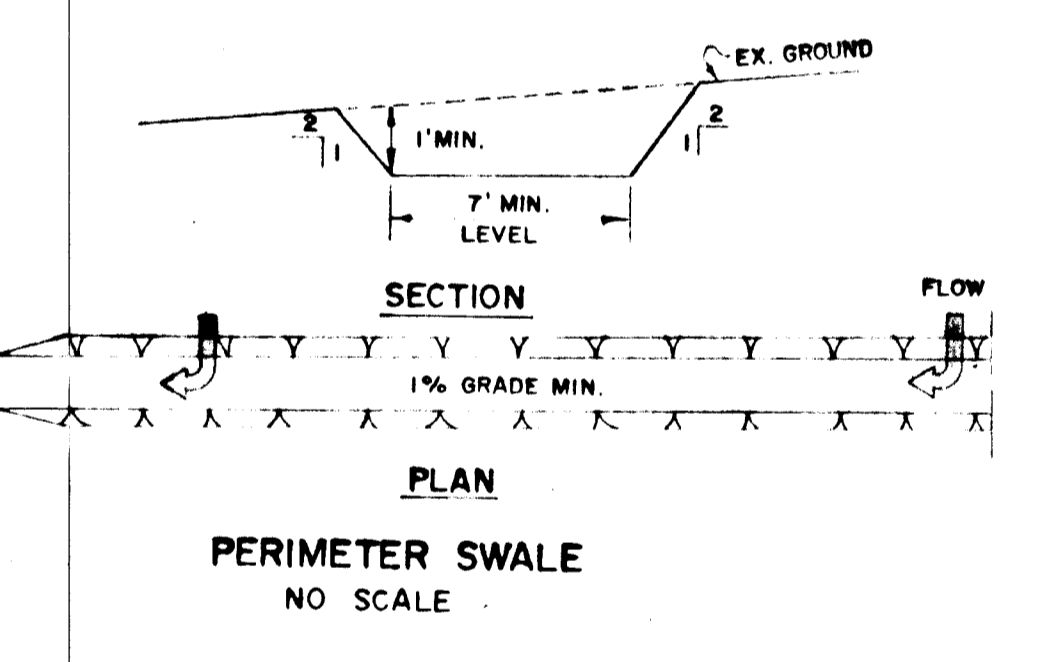
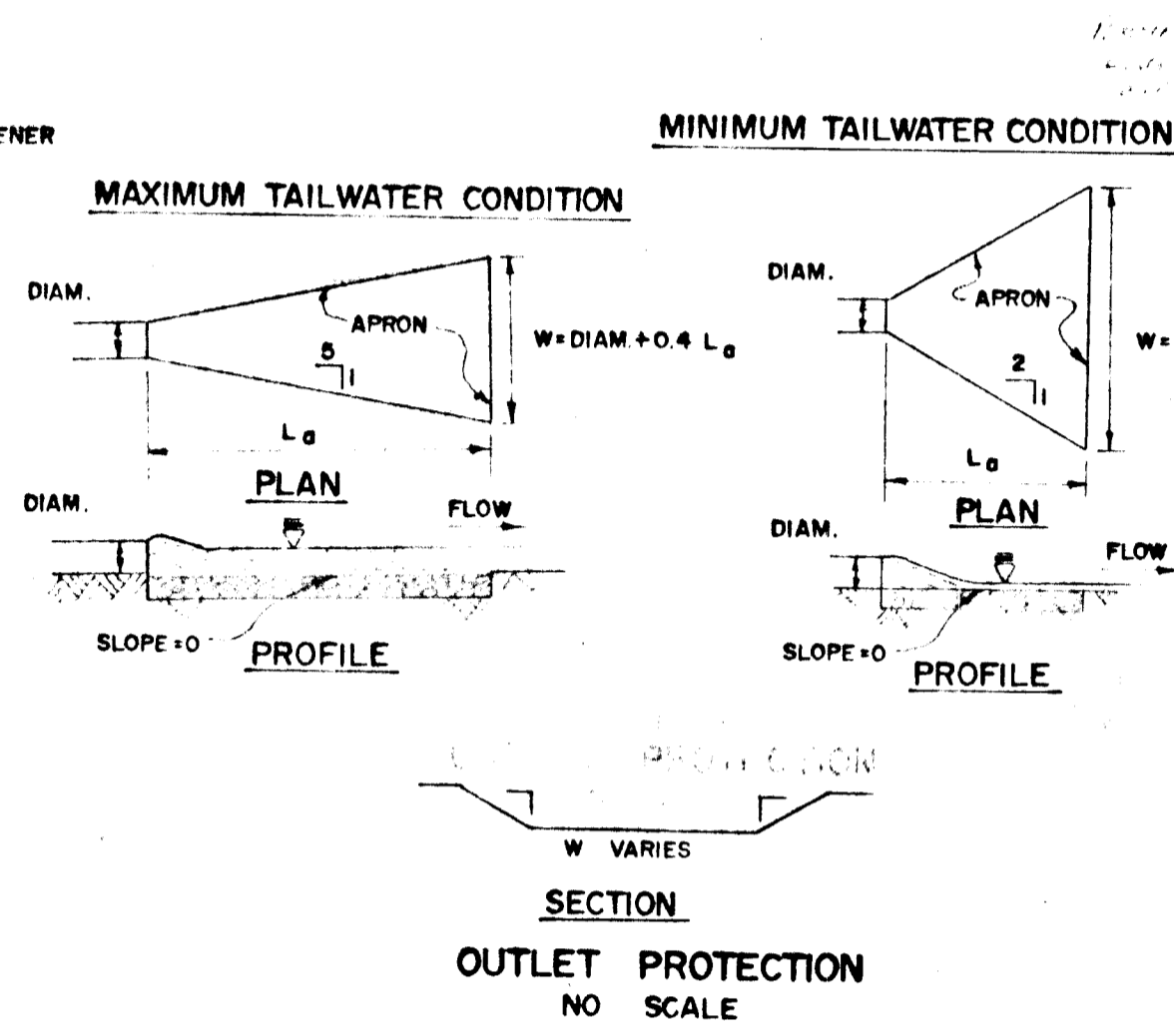
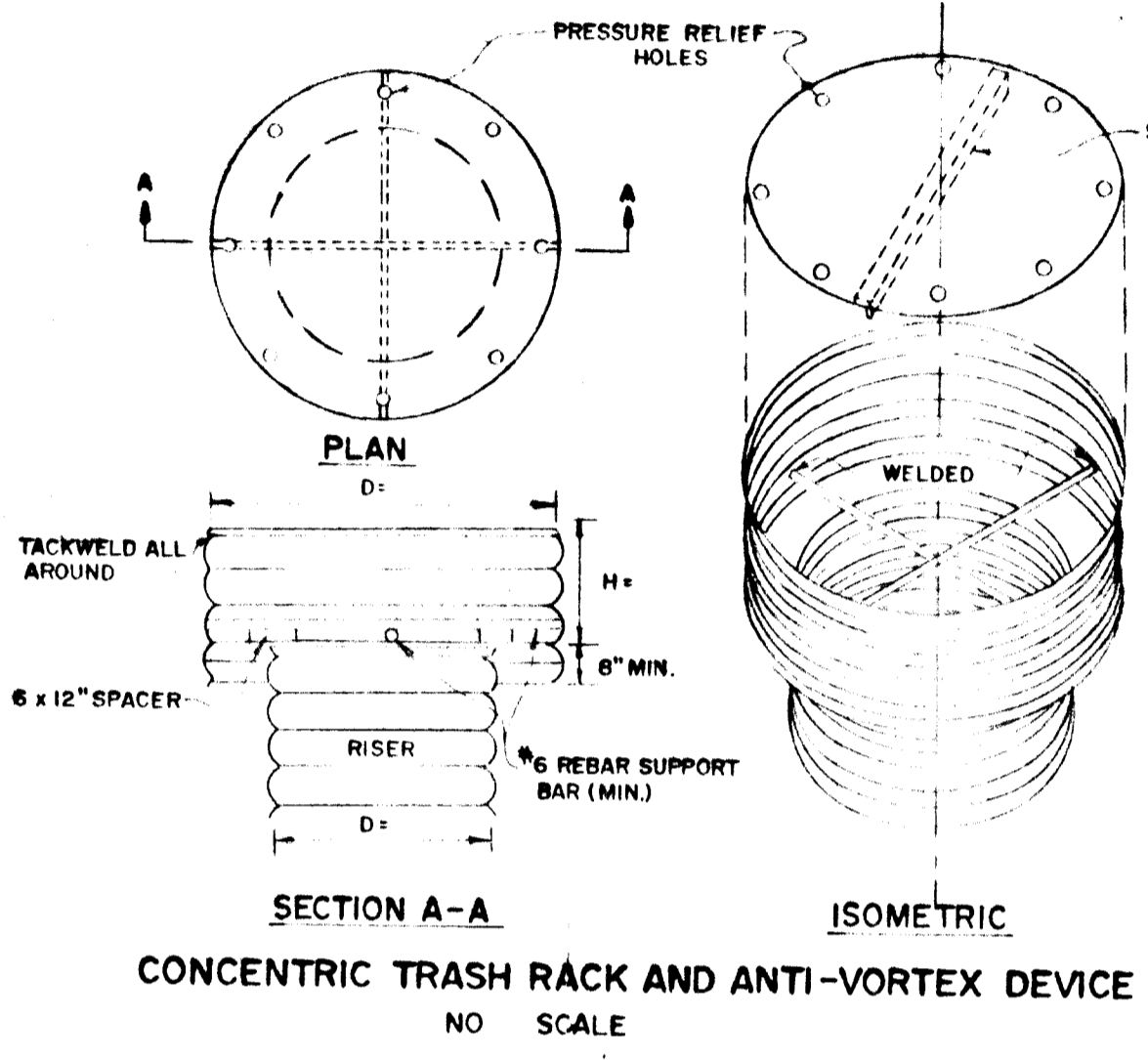
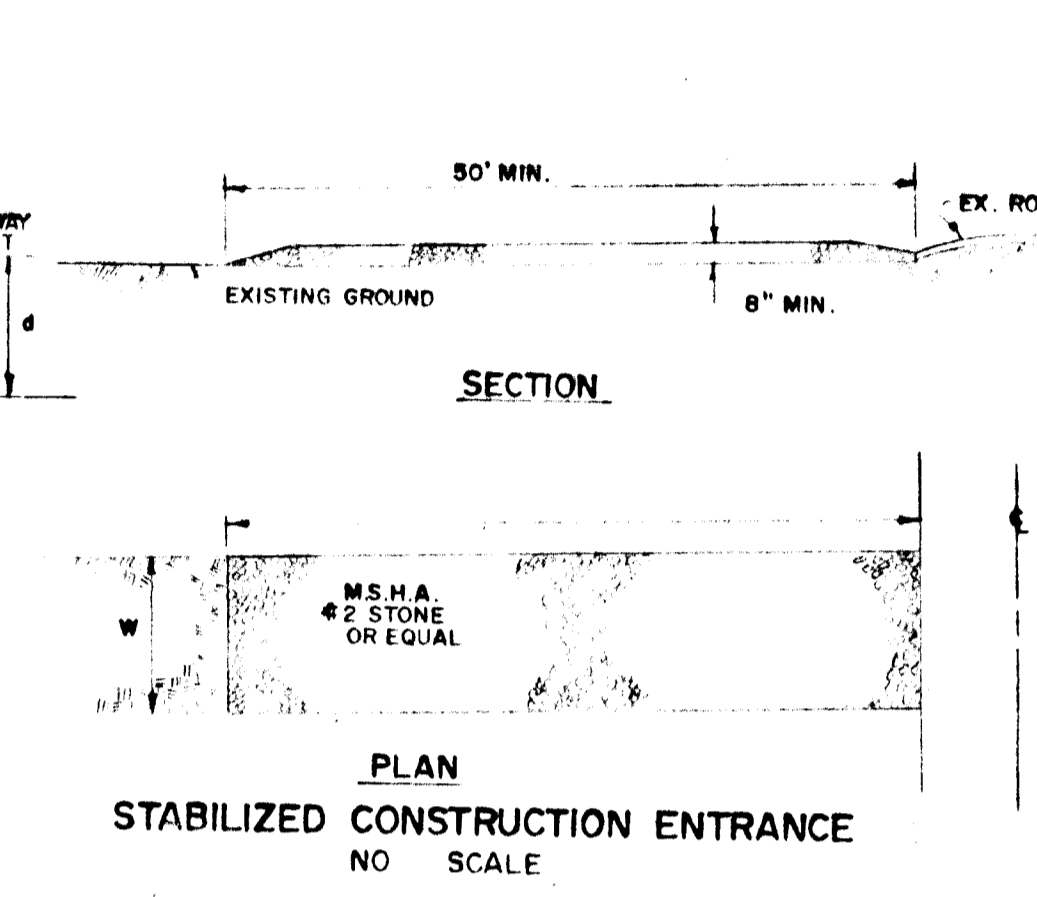
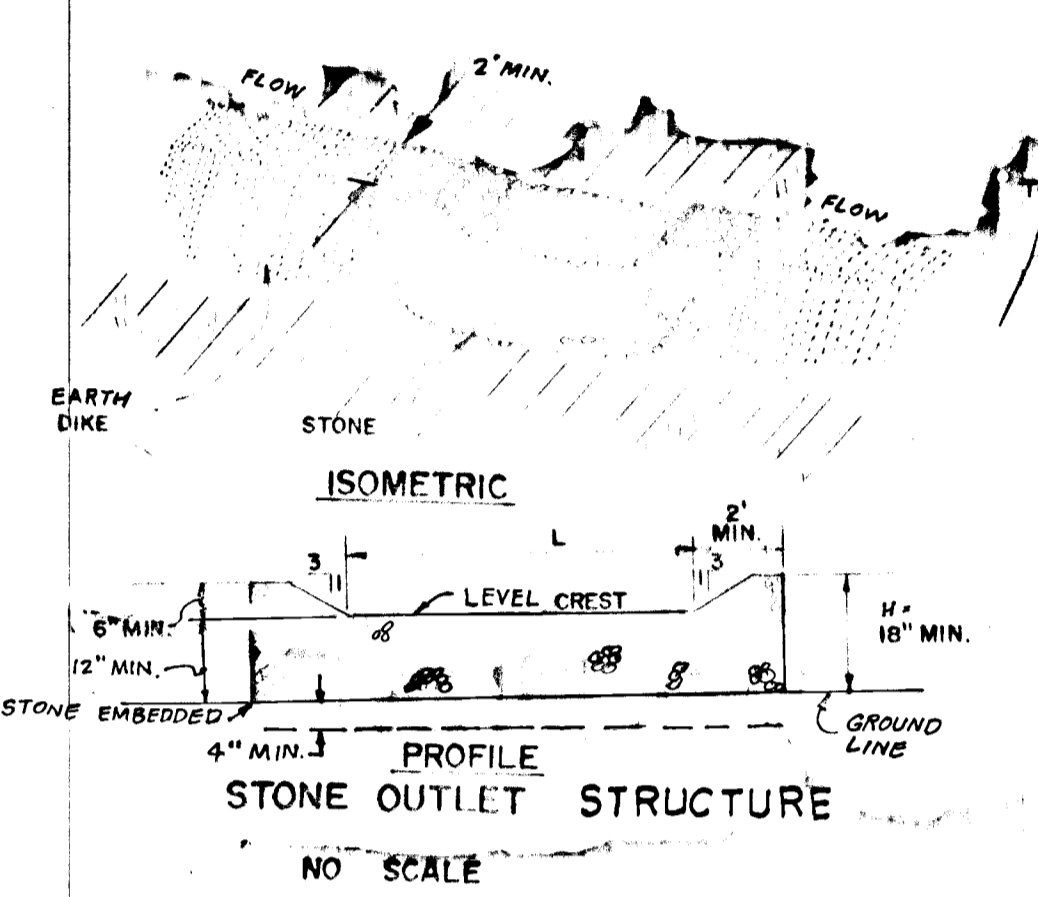
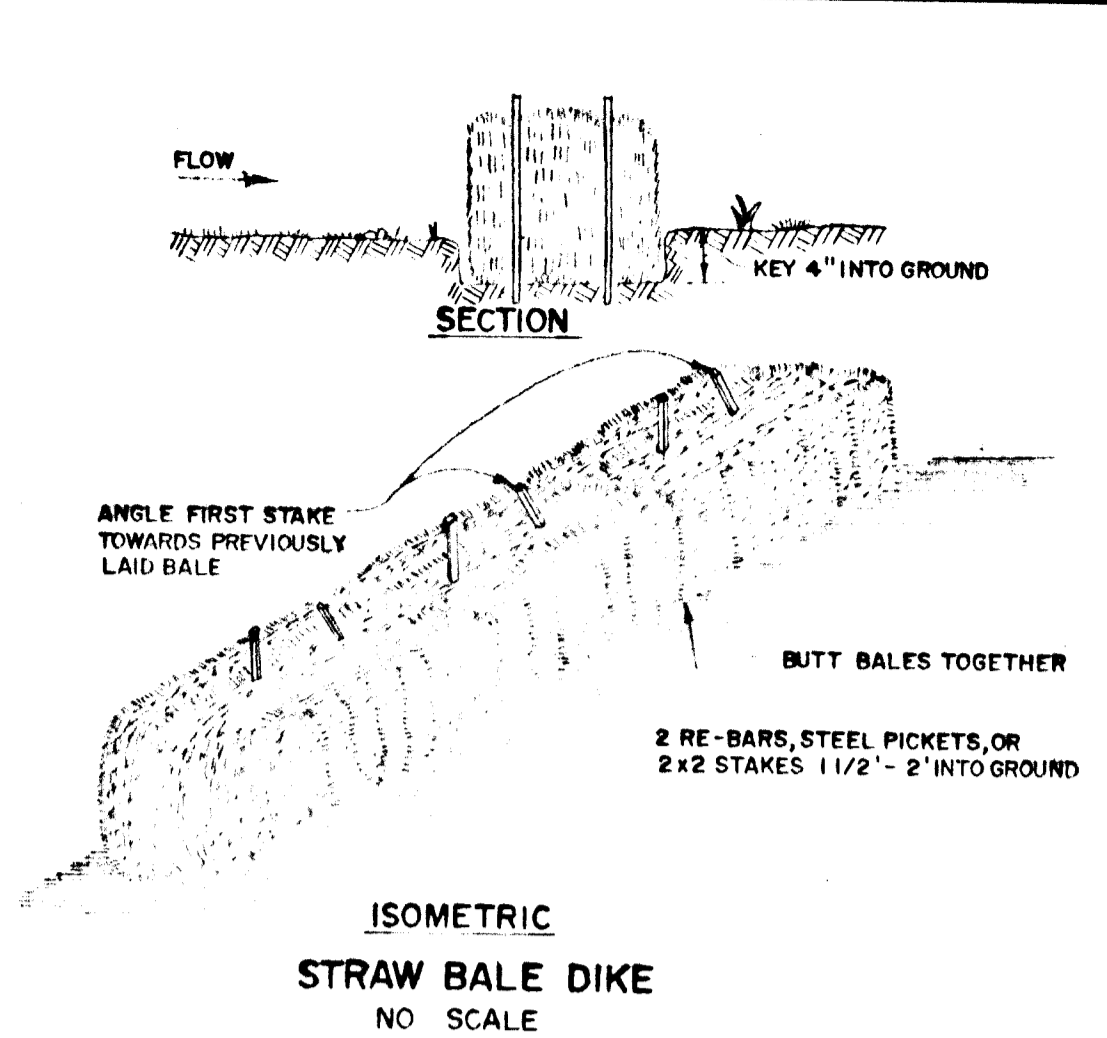
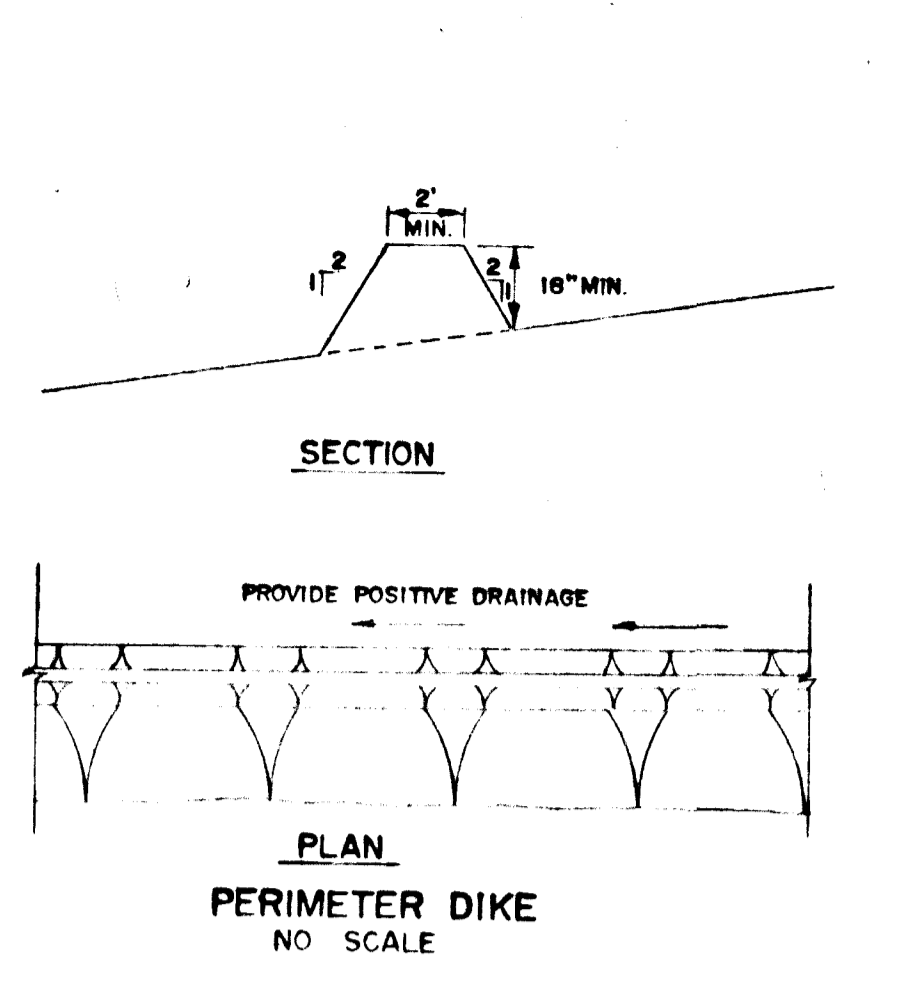
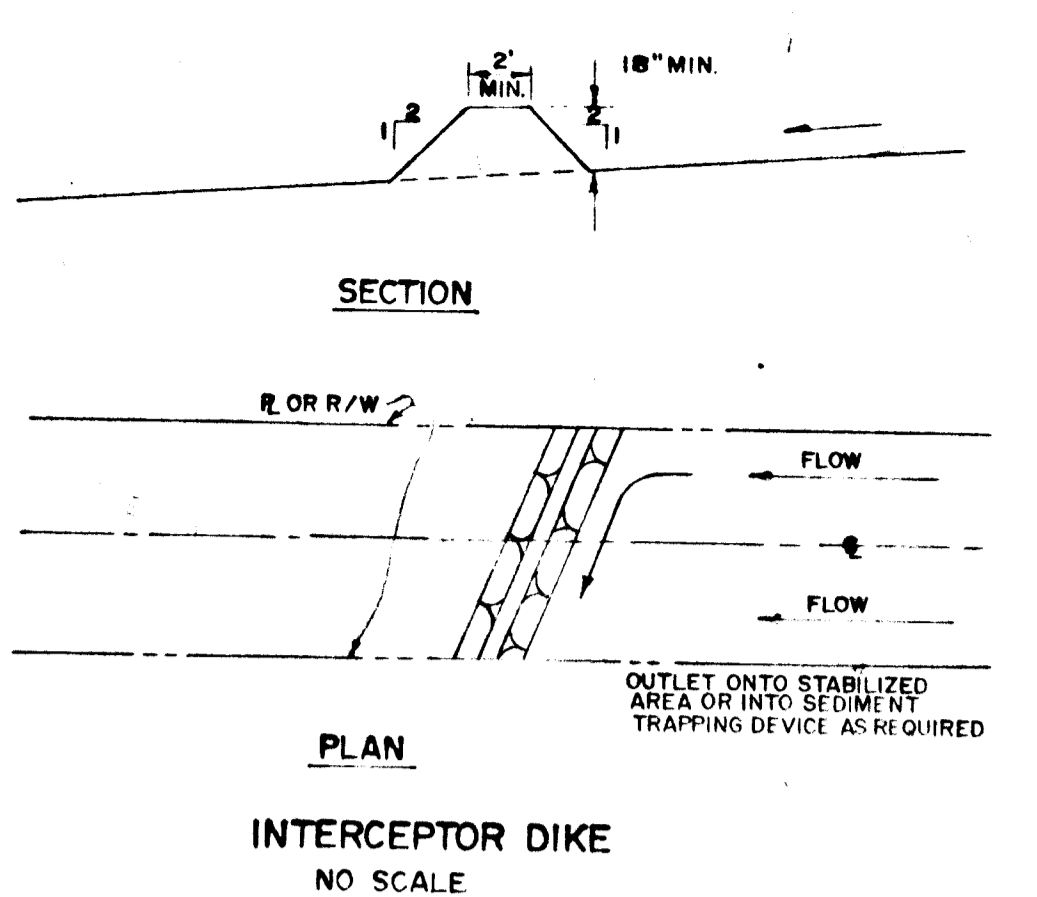
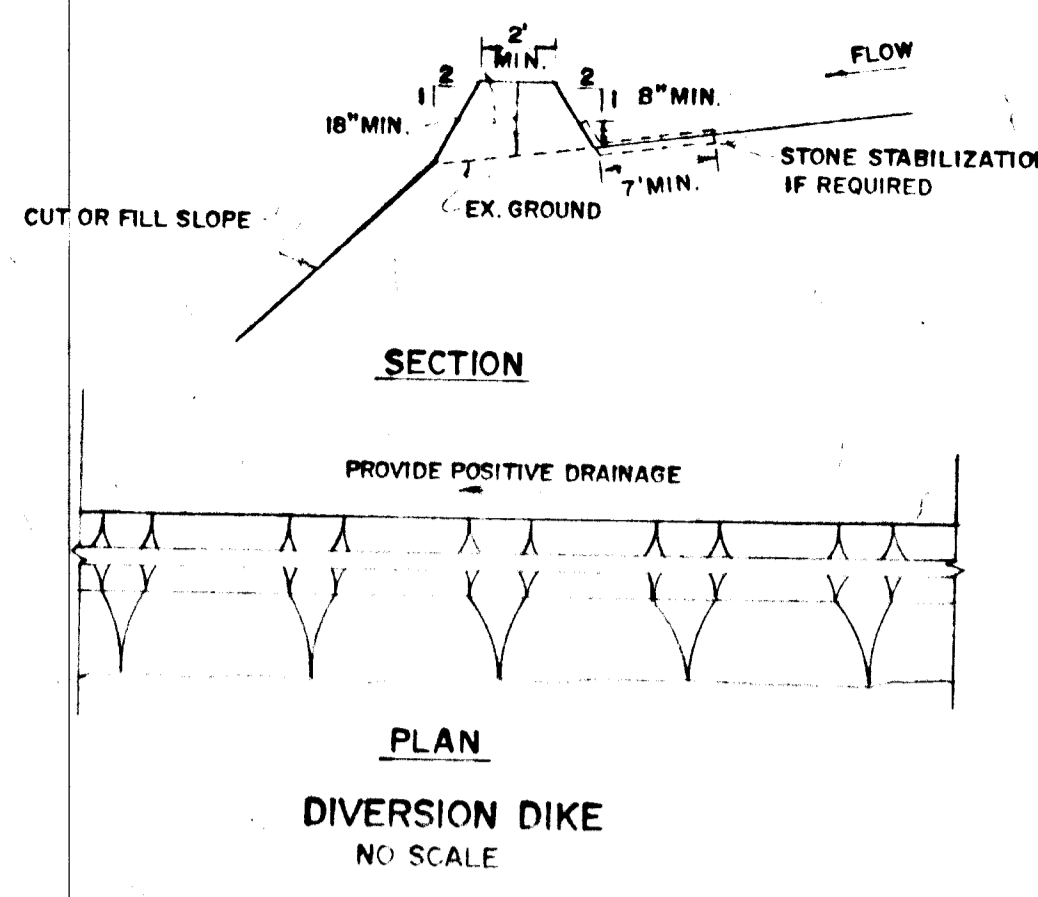
TOTAL AREA: 1.271 AC.
AREA OF IMPROVED AREAS: 0.80 AC.
AREA OF UNIMPROVED AREAS: 0.471 AC.
AREA OF UNIMPROVED AREAS: 0.471 AC.

OWNER & DEVELOPER
CHARLES B. PERDUE & J. PLESS
10071 WASHINGTON BOULEVARD
LAUREL, MARYLAND 20610



TITLE: DRAINAGE AREA MAP AND SEDIMENT CONTROL MAP		ENGINEERING PLANNING SURVEYING BY BOENDER ASSOCIATES INC.
PROJECT: CHELSEA ESTATES SECTION 1 - A RESUBDIVISION OF LOT 4		
LOCATION: 5 TH ELECTION DISTRICT	HOWARD CO., MD	DATE: 4/19/11 SCALE: 1" = 50'
DATE: 4/19/11	DIS. BY: N.M. DRAWN BY: W.M. CHKD. BY: N.M.	
JOB NO: 7763	DRWG NO: 2 of 2	DATE: 8/23/11





STANDARD SYMBOLS

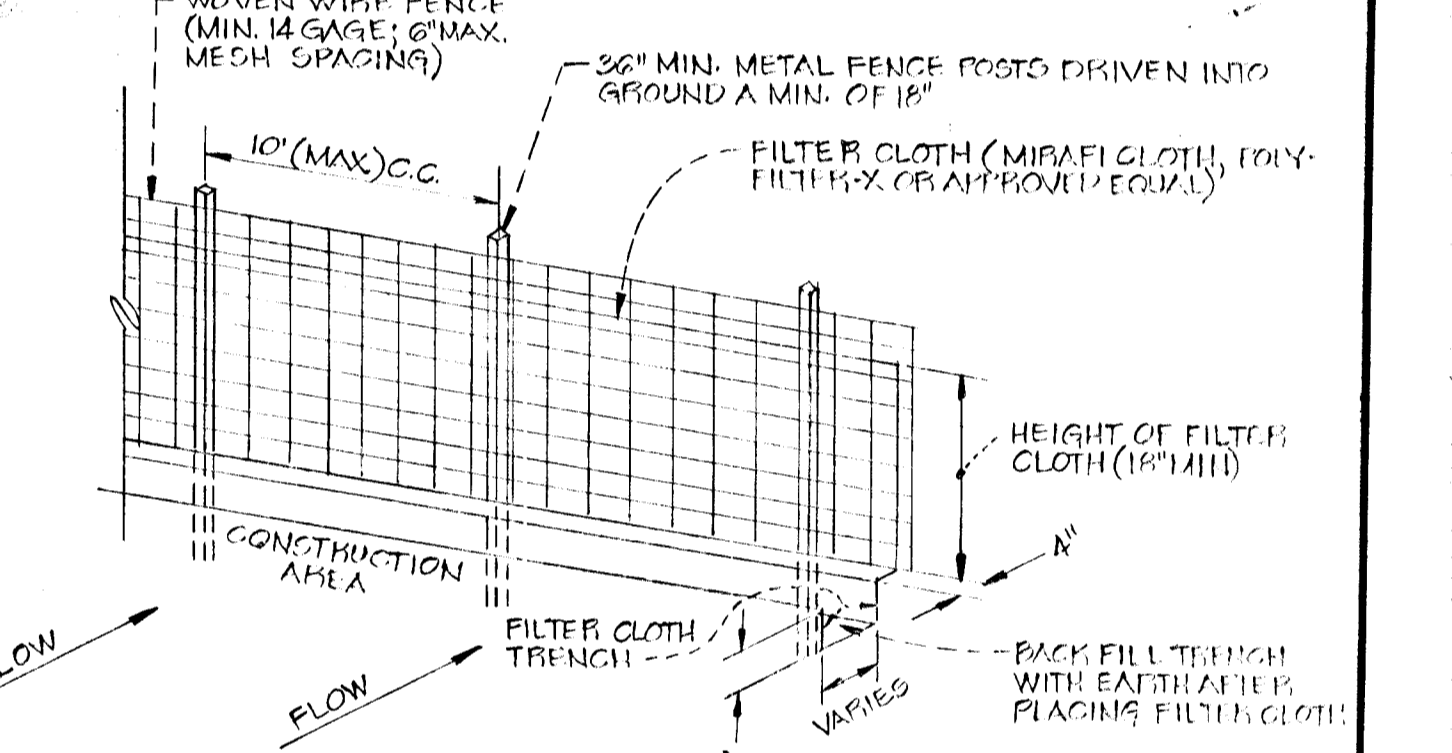
SILT FENCE	[Symbol]
DIVERSION DIKE	[Symbol]
INTERCEPTOR DIKE	[Symbol]
PERIMETER DIKE	[Symbol]
STRAW BALE DIKE	[Symbol]
INTERCEPTOR SWALE	[Symbol]
PERIMETER SWALE	[Symbol]
STABILIZED CONSTRUCTION ENTRANCE	[Symbol]
STONE OUTLET STRUCTURE	[Symbol]
GRADE STABILIZATION STRUCTURE	[Symbol]
CHUTE OR FLUME	[Symbol]
RIGID PIPE SLOPE DRAIN	[Symbol]
FLEXIBLE PIPE SLOPE DRAIN	[Symbol]
DIVERSION	[Symbol]
GRASSED WATERWAY	[Symbol]
LEVEL SPREADER	[Symbol]
SUBSURFACE DRAIN	[Symbol]

NOTES:
 1. ARROWS POINT DOWNSLOPE OR TO THE OUTLET.
 2. DIKE AND DIVERSION SYMBOLS SHALL HAVE A CROSS MARK TO CLEARLY SHOW WHERE THE STRUCTURE BEGINS AND ENDS.

REVISIONS				
ISSUE	BY & DATE	DESCRIPTION	CHECK	APPROVED & DATE

SEDIMENT CONTROL NOTES

- 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.
- APPLY FOR GRADING PERMIT.
- NOTIFY THE BUREAU OF LICENSE INSPECTIONS AND PERMITS 24 HRS. PRIOR TO GRADING OPERATIONS.
- CONSTRUCTION SHALL ADHERE TO THE CONSTRUCTION SEQUENCE.
- CUT AND FILL SLOPES SHALL BE 3:1 MAXIMUM.
- ELEVATIONS MARKED THUS (X) SHALL BE FINISHED GRADE.
- 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.
- SEDIMENT CONTROL STRUCTURES SHALL BE REMOVED ONLY WITH PERMISSION OF H.S.C.D.
- 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 RYEGRASS AT 40 LBS./AC. MULCH ALL DISTURBED AREAS IMMEDIATELY AFTER GRADING.
 PERMANENT STABILIZATION:
 APPLY: 2000 LBS./AC. OF PULVERIZED DOLOMIC LIMESTONE, 500 LBS./AC. OF 10-10-10 FERTILIZER, 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.



- 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 OVER 24" x 24".
 3. SILT FENCE TO BE PLACED IN LIEU OF STRAW BALES AND/OR DIVERSION CANALS AT THE OPTION OF THE DEVELOPER.
 4. MAXIMUM DRAINAGE AREA = 3 AC.

SILT FENCE
NO SCALE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

Arntel Condit
 U.S. SOIL CONSERVATION SERVICE
 1/30/78
 DATE

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

Robert Ziehn
 HOWARD SOIL CONSERVATION DISTRICT
 1/30/78
 DATE

APPROVED DEPARTMENT OF PUBLIC WORKS
W. O. Lubat
 CHIEF, BUREAU OF ENGINEERING
 2-8-78
 DATE

APPROVED OFFICE OF PLANNING AND ZONING
Adrian M. Mueschler
 CHIEF, DIVISION OF LAND DEVELOPMENT
 2-10-78
 DATE

SEDIMENT CONTROL DETAILS			
PROJECT	CHELSEA ESTATES SECTION 1 - A RECONDIVISION OF LOT 4		
LOCATION	6TH ELECTION DISTRICT HOWARD CO., MD.		
DATE	AUG. 1977	DES. BY	-
SCALE	AS SHOWN	JOB NO.	7762
		DRWN. BY	J.B.
		CHKD. BY	B.M.
		DRWG. NO.	5013

ENGINEERING PLANNING SURVEYING BY
BOENDER ASSOCIATES INC.
Boender Associates Inc.
 BALTIMORE, MD. 485 7777
 SALISBURY, MD. 745 1286
 WESTMINSTER, MD. 848 5588

F-78-41