

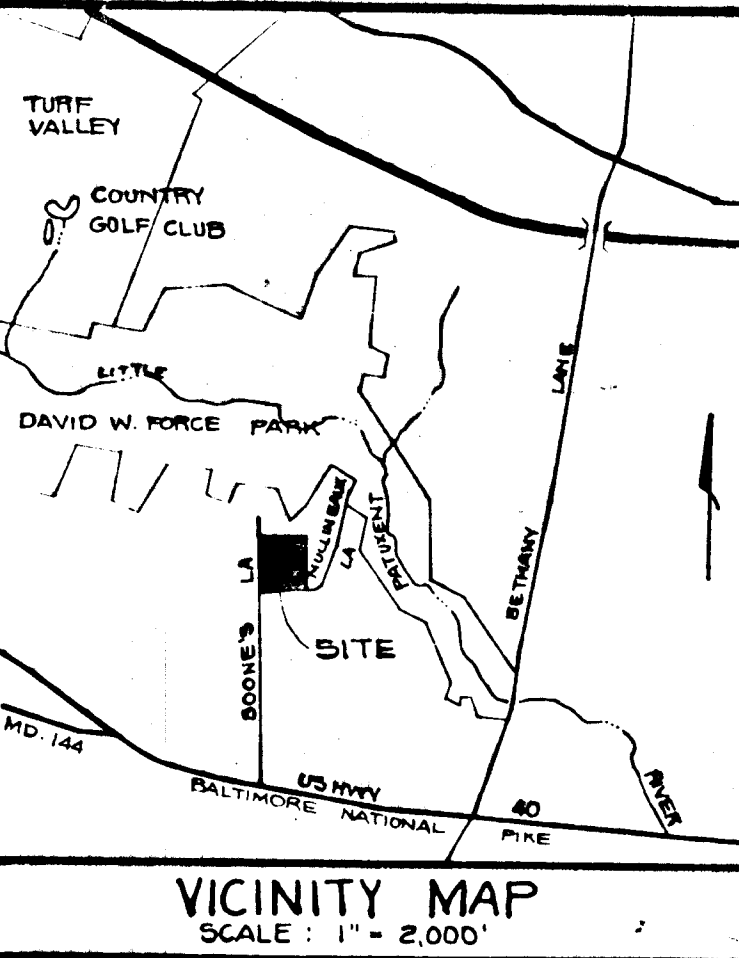
SHEET INDEX	
SHT. NO.	DESCRIPTION
1 OF 8	TITLE SHEET
2 OF 8	ROAD CONSTRUCTION DWG & SWM OUTFALL PROFILE
3 OF 8	ROAD CONSTRUCTION & DETAIL SHEET
4 OF 8	STORM DRAIN PROFILE & SWM POND DETAIL
5 OF 8	GRADING, TREES & SEDIMENT CONTROL
6 OF 8	DRAINAGE AREA MAP
7 OF 8	SOILS MAP
8 OF 8	SEDIMENT CONTROL DETAIL SHEET

# ROADS, STORM DRAINS & STORMWATER MANAGEMENT

## MARTIN'S MEADOWS

### LOTS 1-19

### SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND.



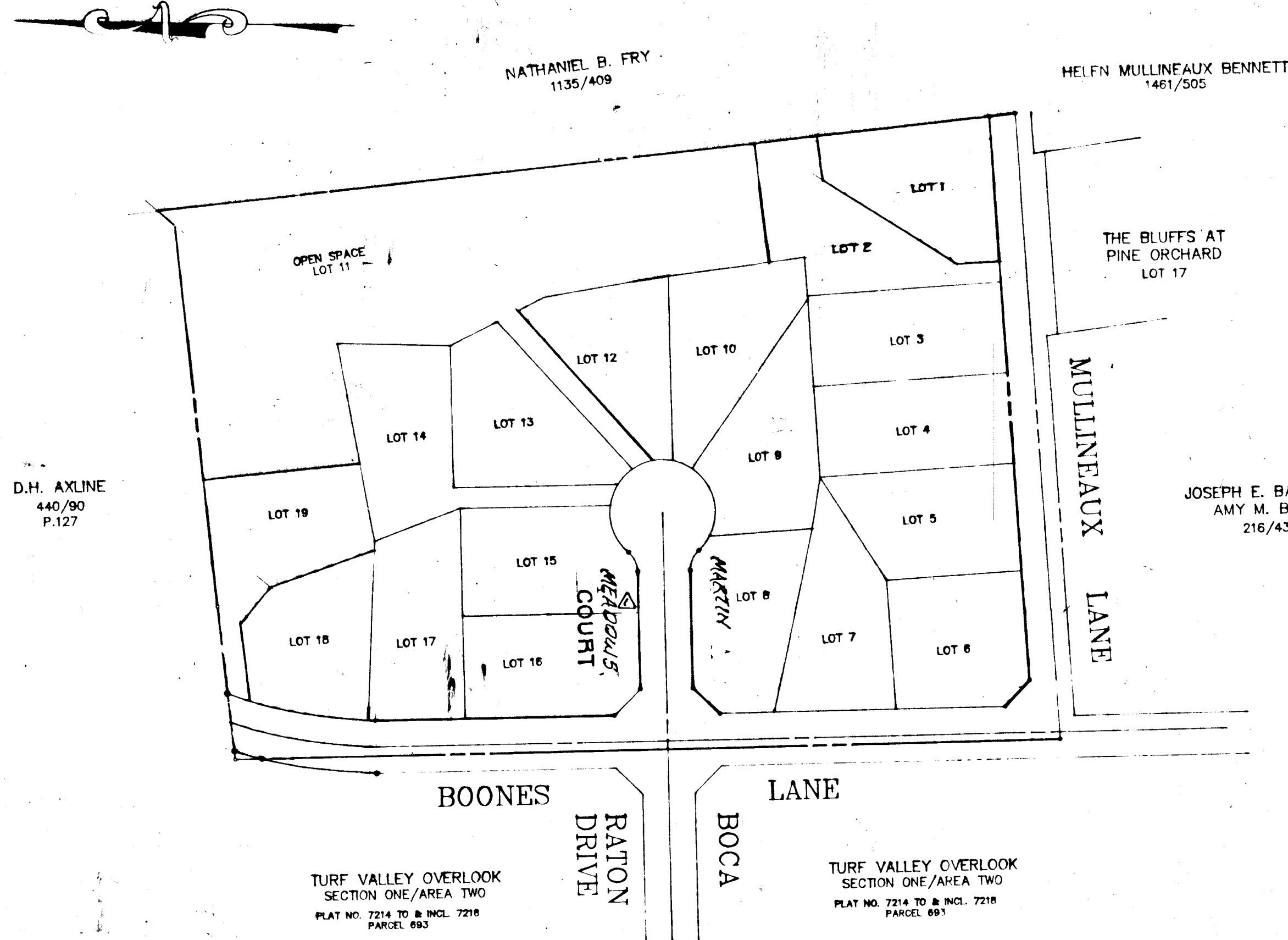
#### GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:
 

MISS UTILITY	1-800-257-7777
BELL TELEPHONE SYSTEM	393-3648
LONG DISTANCE CABLE DIVISION	393-3553 or 3554
BALTIMORE GAS AND ELECTRIC CO.	539-8009 ext. 691
COLONIAL PIPELINE	799-1390
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION	792-7272

 ( 24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK )
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL STREET CURB RETURNS SHALL HAVE 35.0' RADIUS UNLESS OTHERWISE NOTED.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING, AND SIGNING SHALL BE IN ACCORDANCE WITH THE DESIGN MANUAL, IN ACCORDANCE WITH MUTCD, 1988 EDITION.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOCIATE OF STATE HIGHWAY OFFICIAL STANDARDS:
 

ALL 50' RIGHT-OF-WAYS	= 30 M.P.H.
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- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
- ALL HILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- SUBJECT PROPERTY ZONED R FER B-2-R5 COMPREHENSIVE ZONING PLAN.
- TOPO TAKEN FROM FIELD RUN SURVEY BY DATE
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6" OF FINISHED GRADE.
- ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS C AS SHOWN IN FIG. 11.4, VOLUME I OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE NOTED.
- SEE OFFICE OF PLANNING AND ZONING FILE NO.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR REPLACEMENT OF ALL DEAD TREES FOR A PERIOD OF ONE YEAR FOLLOWING THE DEDICATION DATE. ALL TREES REPLACED DURING THE WARRANTY PERIOD SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF PLANTING.



TURF VALLEY OVERLOOK  
SECTION ONE/AREA TWO  
PLAT NO. 7214 TO & INCL. 7218  
PARCEL 693

TURF VALLEY OVERLOOK  
SECTION ONE/AREA TWO  
PLAT NO. 7214 TO & INCL. 7218  
PARCEL 693

PLAN  
Scale 1" = 100'

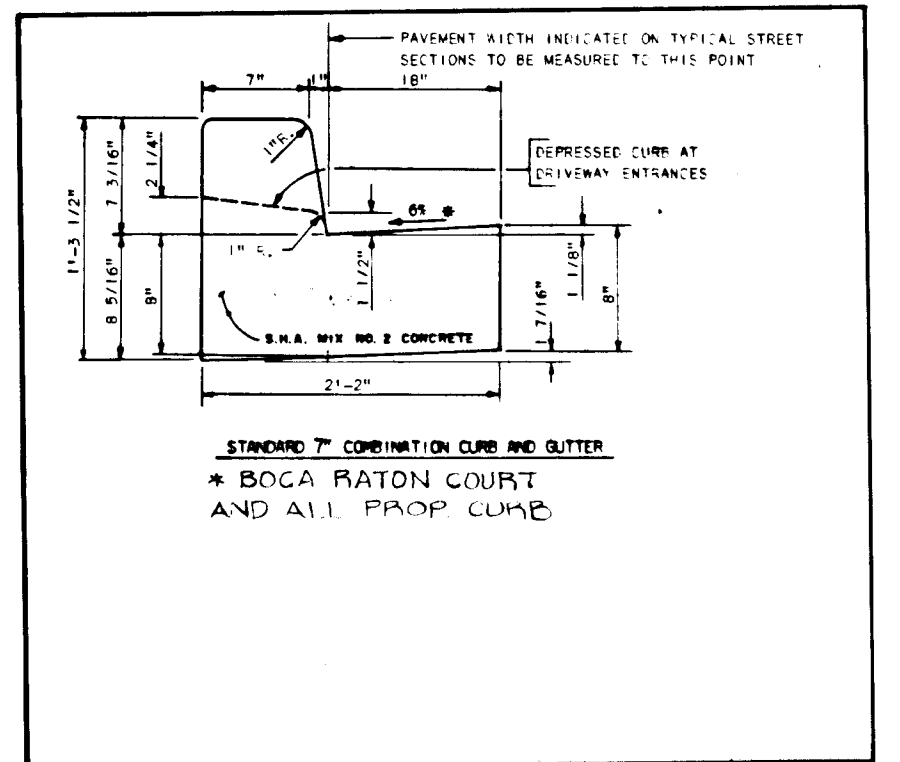
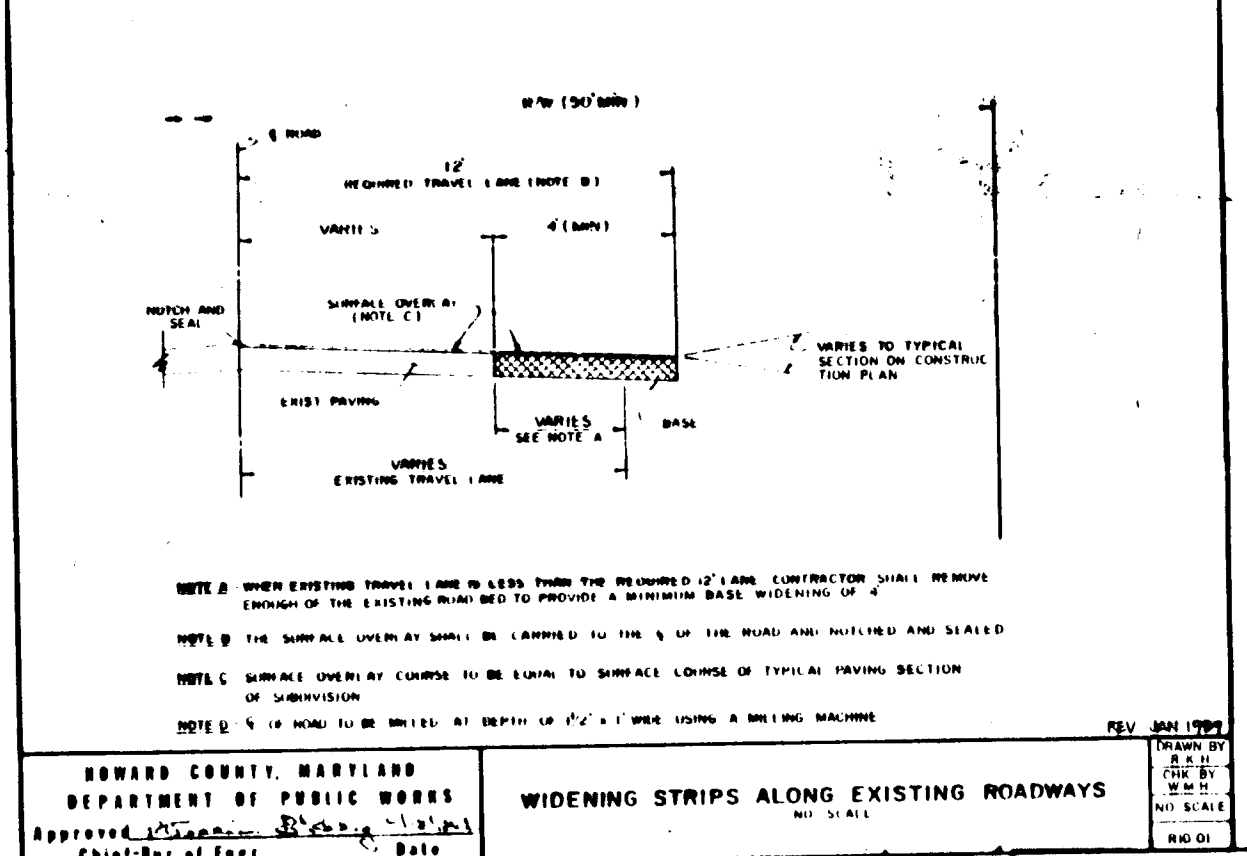
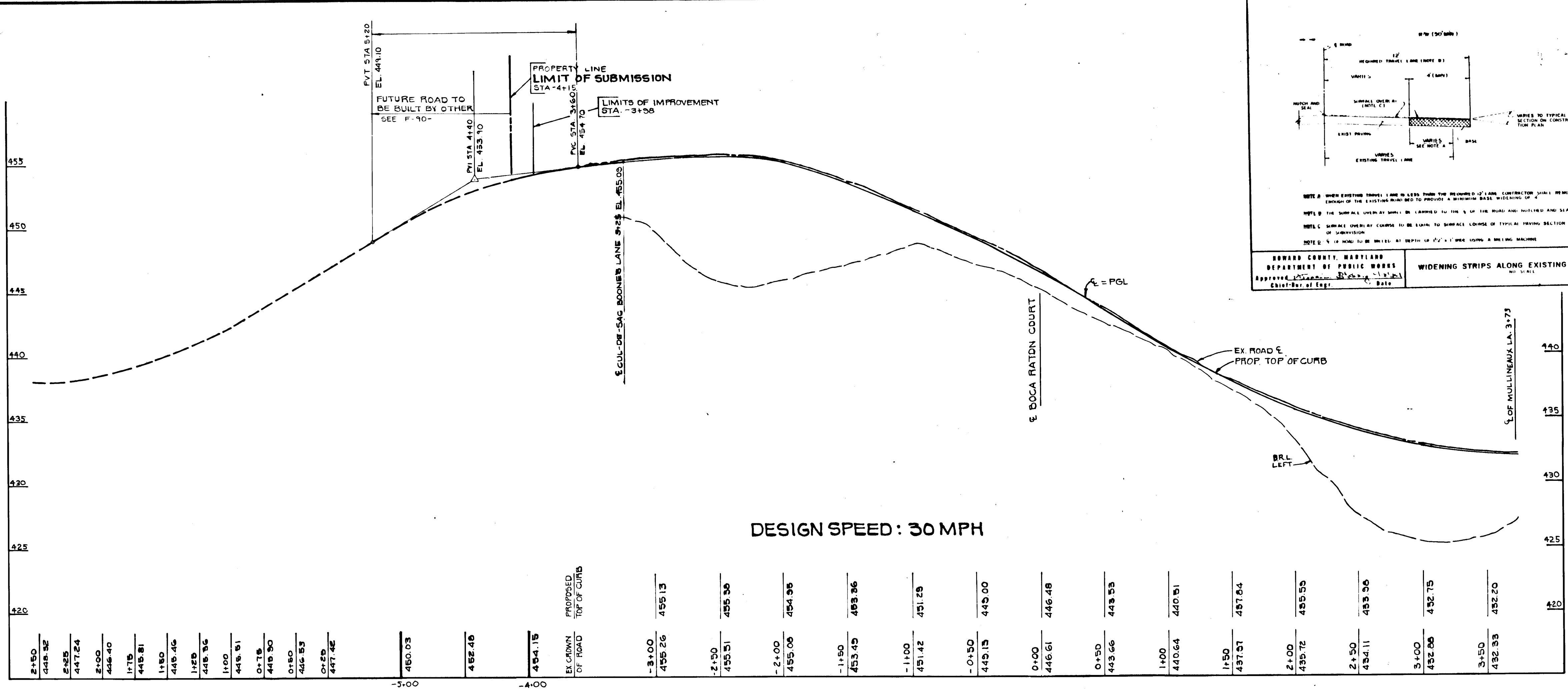


NO.	BY	REVISION	DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.			
	<i>Oliver M. Simpson</i>		10/3/90
	CHIEF, LAND DEVELOPMENT DIVISION	MK	DATE
	<i>Francis W. Weiland</i>		9/17/90
	CHIEF, BUREAU OF HIGHWAYS		DATE
	<i>William E. Ray</i>		10-10-90
	CHIEF, BUREAU OF ENGINEERING		DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.			
	<i>Frank C. Angell</i>		11/18/90
	CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT		DATE
PROJECT NAME: MARTIN'S MEADOWS SEC. 1/AREA 1			
LOTS 1-19 ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND.			
TITLE SHEET		OWNER	
389-06 P-89-52 F-90-45		ROBERT J. MARTIN 8083 BOONES LANE ELICOTT CITY, MD 21045	
PREPARED BY: American Engineering Inc. 671-A MAIN STREET LAUREL, MARYLAND 20707 (301) 953 1221 (301) 886 3038		DEVELOPER: ROBERT J. MARTIN % LAND DESIGN & DEVELOPMENT, INC. 10805 HICKORY RIDGE RD. SUITE 210 COLUMBIA, MO. 21044	
DES. : DCW	JOB : 89108	SCALE :	SHEET 1 OF 8
DRW. : Y	PROJ. :	1" = 50'	
CHK. : DCW, RA	DATE : MAY 90		

NO.	REVISION	DATE
1	REMOVE SIDEWALK ALONG MARTIN'S MEADOWS COURT AND BOONES LANE AND DETAIL	11/18/90
2	DESCRIPTION	DATE







REV. 001-999

HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF ENGINEERING

BOCA RATON COURT STA 1462.08 TO END

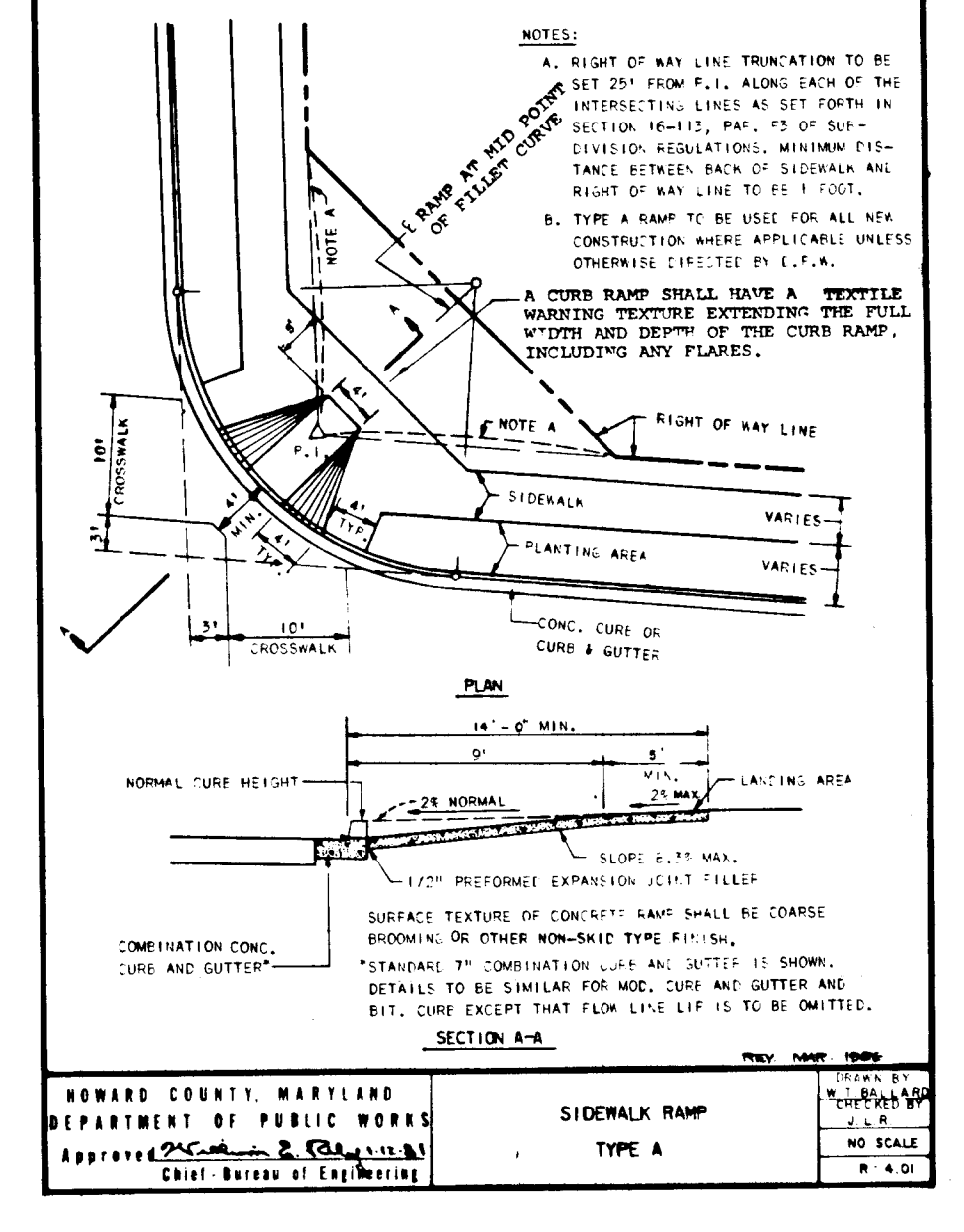
CURVE NO.	DISTRICTS				R.W.	A
	C	F	R	R.W.		
COMMERCIAL, INDUSTRIAL, 36 APPROX.	1-10	1-15	1-20	1-25	48	10
RESIDENTIAL, 40 APPROX.	1-10	1-15	1-20	1-25	48	10
RESIDENTIAL, 40 APPROX.	1-10	1-15	1-20	1-25	48	10

REV. 001-999

HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

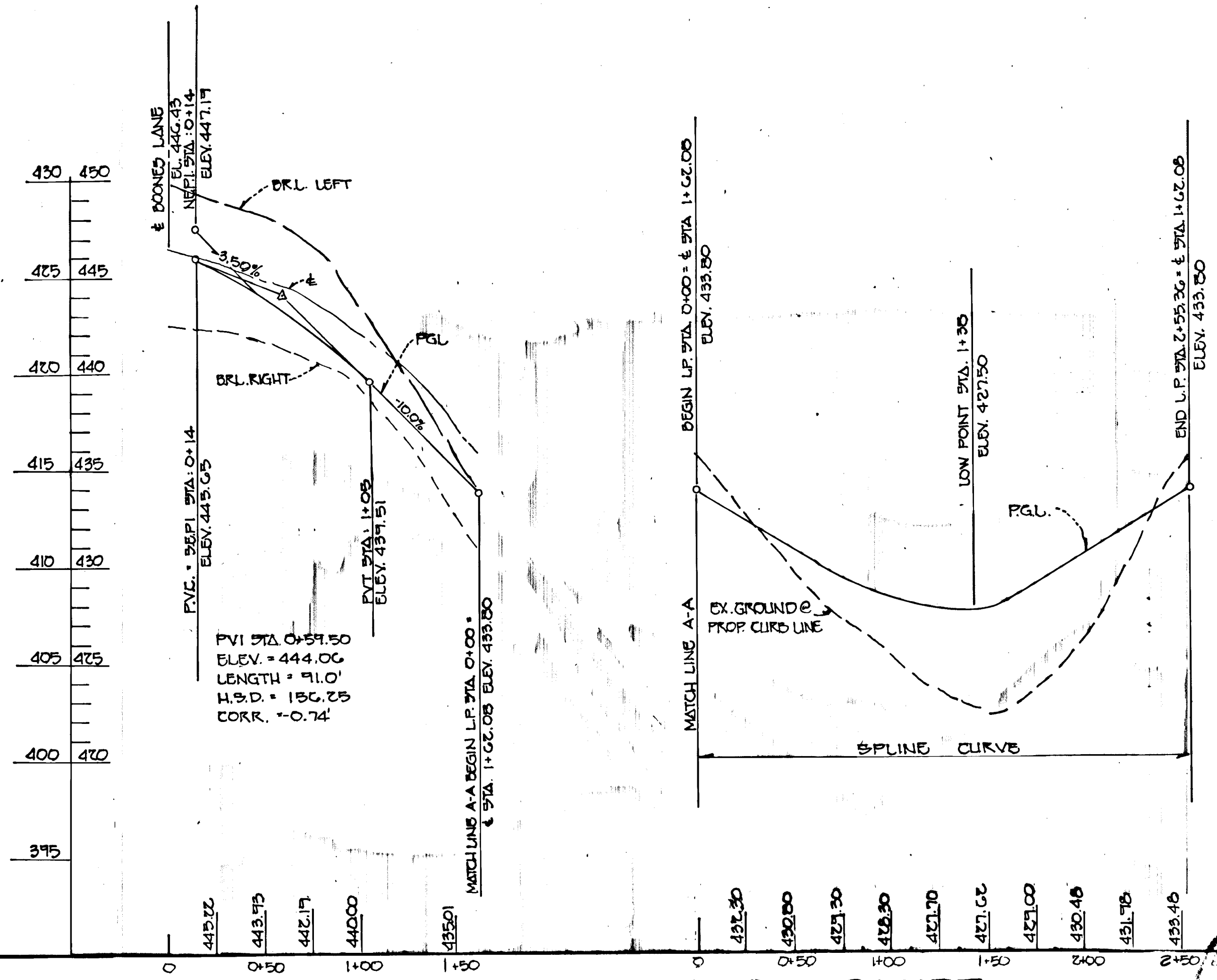
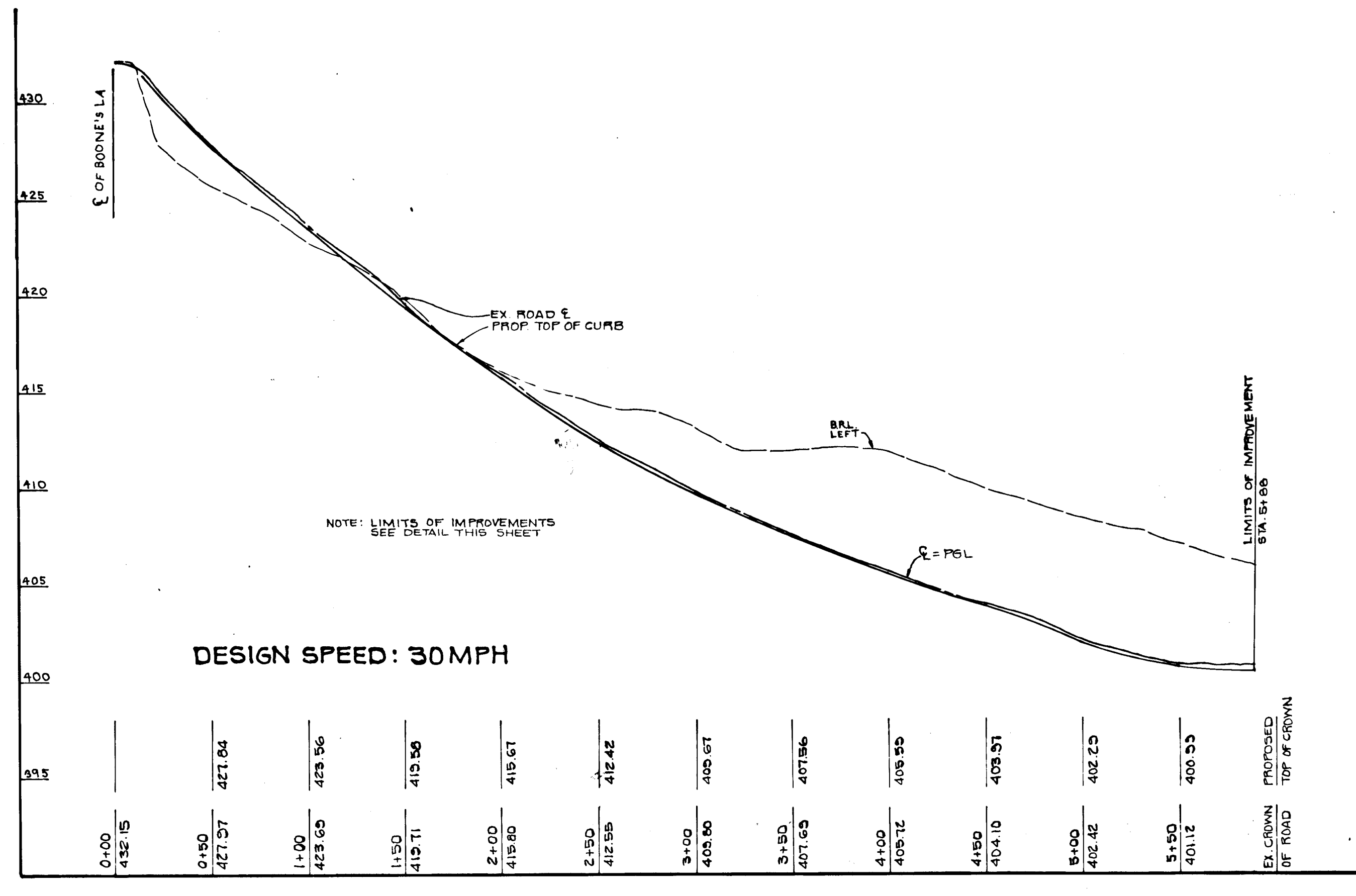
CHIEF, BUREAU OF ENGINEERING

NORMAL CUL-DE-SAC WITH ISLAND



**BOONE'S LANE (LOCAL ROAD)**

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



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*Ann Tansum* 10/8/90  
CHIEF, LAND DEVELOPMENT DIVISION DATE

*Francis W. Weiland* 9/17/90  
CHIEF, BUREAU OF HIGHWAYS DATE

*Michael E. Pugh* 10-19-90  
CHIEF, BUREAU OF ENGINEERING DATE

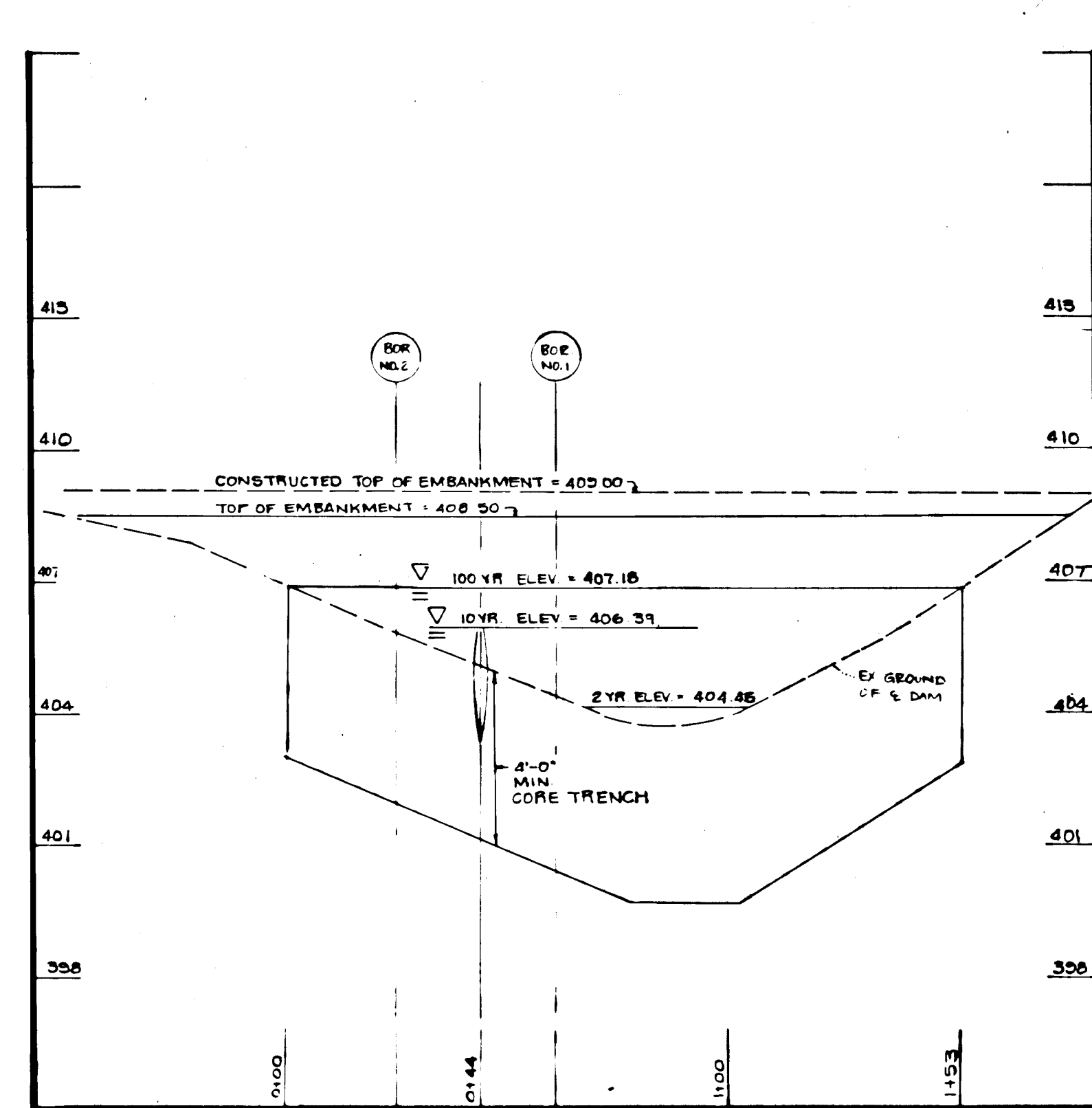
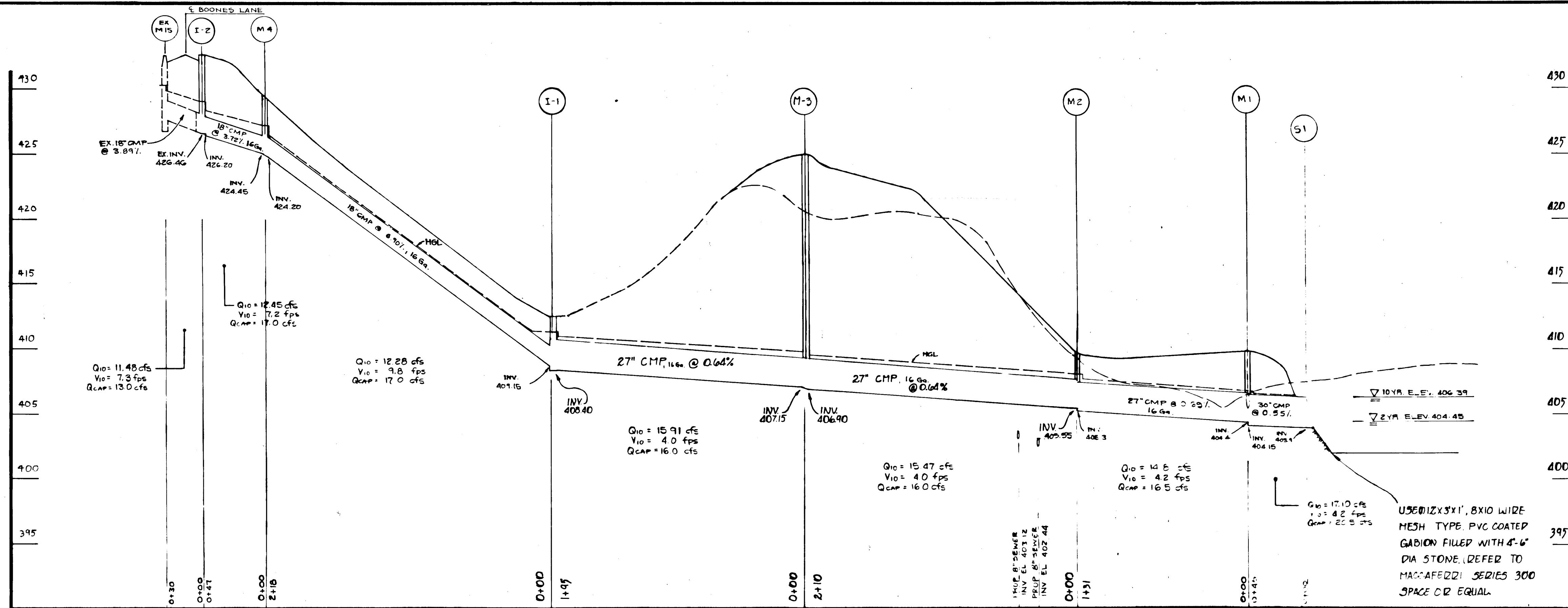
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Paul J. Payne* 10/17/90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

AMERICAN ENGINEERING, INC.  
609 B MAIN STREET LAUREL, MARYLAND 20707  
301-953-1221 301-880-3039

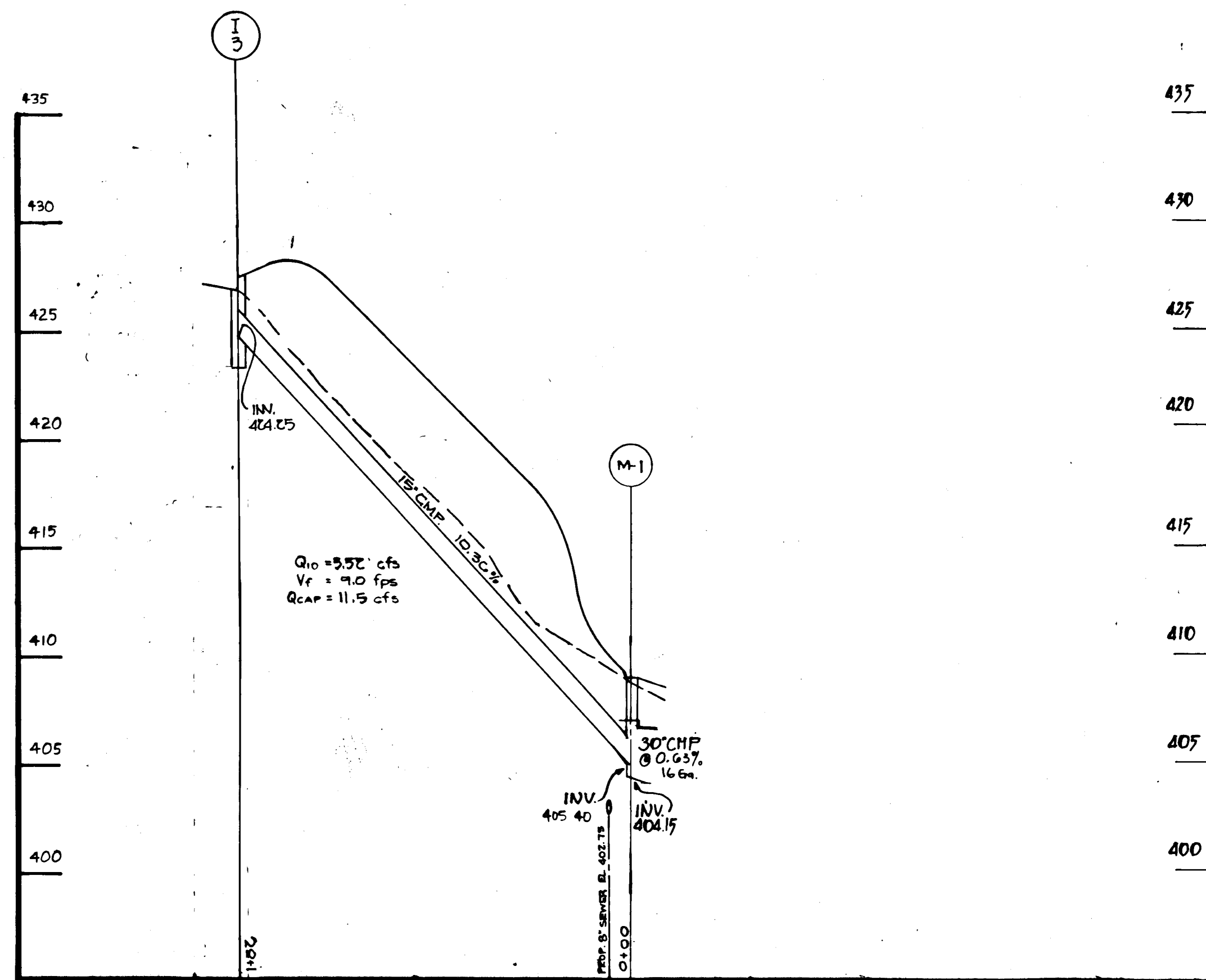
<b>OWNER</b> Robert J. Martin 3083 Boone's Lane Ellicott City, Maryland 21043	<b>PROJECT NAME</b> Martin's Meadows Section I Area I Lots 1 - 19 T.M. #2 Parcel #126 2 Elect. Dist. H.Co. MD.
<b>DEVELOPER</b> ROBERT J. MARTIN 1/2 LAND DESIGN & DEVELOPMENT 10808 HICKORY RIDGE RD SUITE 210 COLUMBIA, MD. 21044	<b>TITLE</b> ROAD CONSTRUCTION (DETAIL SHEET) S&P-06 P-09-52 F-10-75
<b>DES. RAB</b>	<b>DRW. RT</b>
<b>DATE</b> MAY 90	<b>PROJECT</b> AP8901
<b>SCALE</b> AS NOTED	<b>DRAWING</b> 3 OF 6

1595

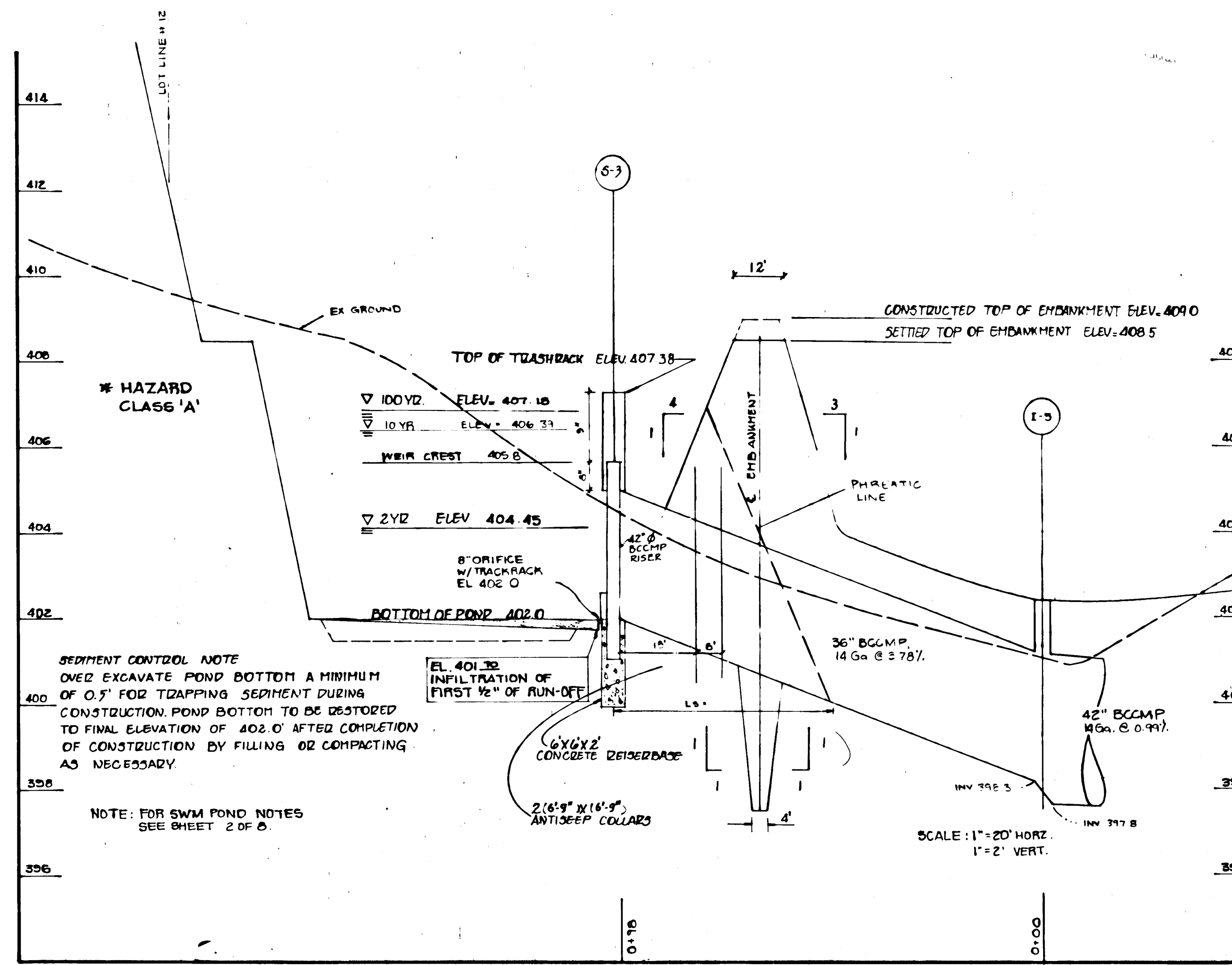


SCALE: 1" = 50' HORIZ.  
1" = 5' VERT.

PROFILE OF DAM  
SCALE: 1" = 3' HORIZ.  
1" = 30' VERT.



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



By the Developer:

"I certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."

Robert J. Martin 8/11/90  
Signature of Developer Date

By the Engineer:

"I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as built" plan of the pond within 30 days of completion."

Signature of Engineer Date

NOTE: STRUCTURAL SCHEDULE CAN BE FOUND ON SHEET 1 OF 8.

NO.	BY	REVISION	DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
*John M. Tamm* 10/9/90  
CHIEF, LAND DEVELOPMENT DIVISION DATE

*Lawrence W. Howard* 9/17/90  
CHIEF, BUREAU OF HIGHWAYS DATE

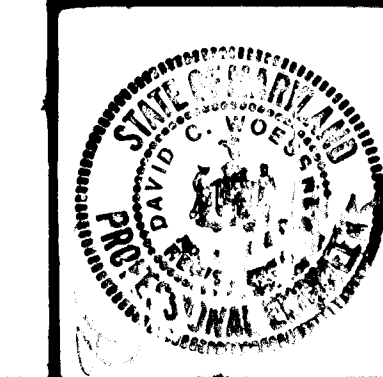
*William R. Kelly* 10/16/90  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.  
*Paul J. Stangle* 11/15/90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

PROJECT NAME: MARTIN'S MEADOWS SEC. 1/AREA 1  
LOTS 1-19 ELECTION DISTRICT NO. 2  
HOWARD COUNTY, MARYLAND.

TITLE: STORM DRAIN PROFILE + SWM POND DETAIL  
FINAL PLAN

PREPARED BY: American Engineering Inc. 871-A MAIN STREET LAUREL, MARYLAND 20707 (301) 953 1221 (301) 880 3038	OWNER/DEVELOPER ROBERT J. MARTIN 1/2 LAND DESIGN & DEVELOPMENT 10805 HICKORY RIDGE RD. SUITE 210 COLUMBIA, MD. 21044
DES.: DCW	JOB: 85108
DRW.: Y	PROJ.:
CHK.: RAB	DATE: MAY 90
SCALE: AS NOTED	SHEET 4 OF 8



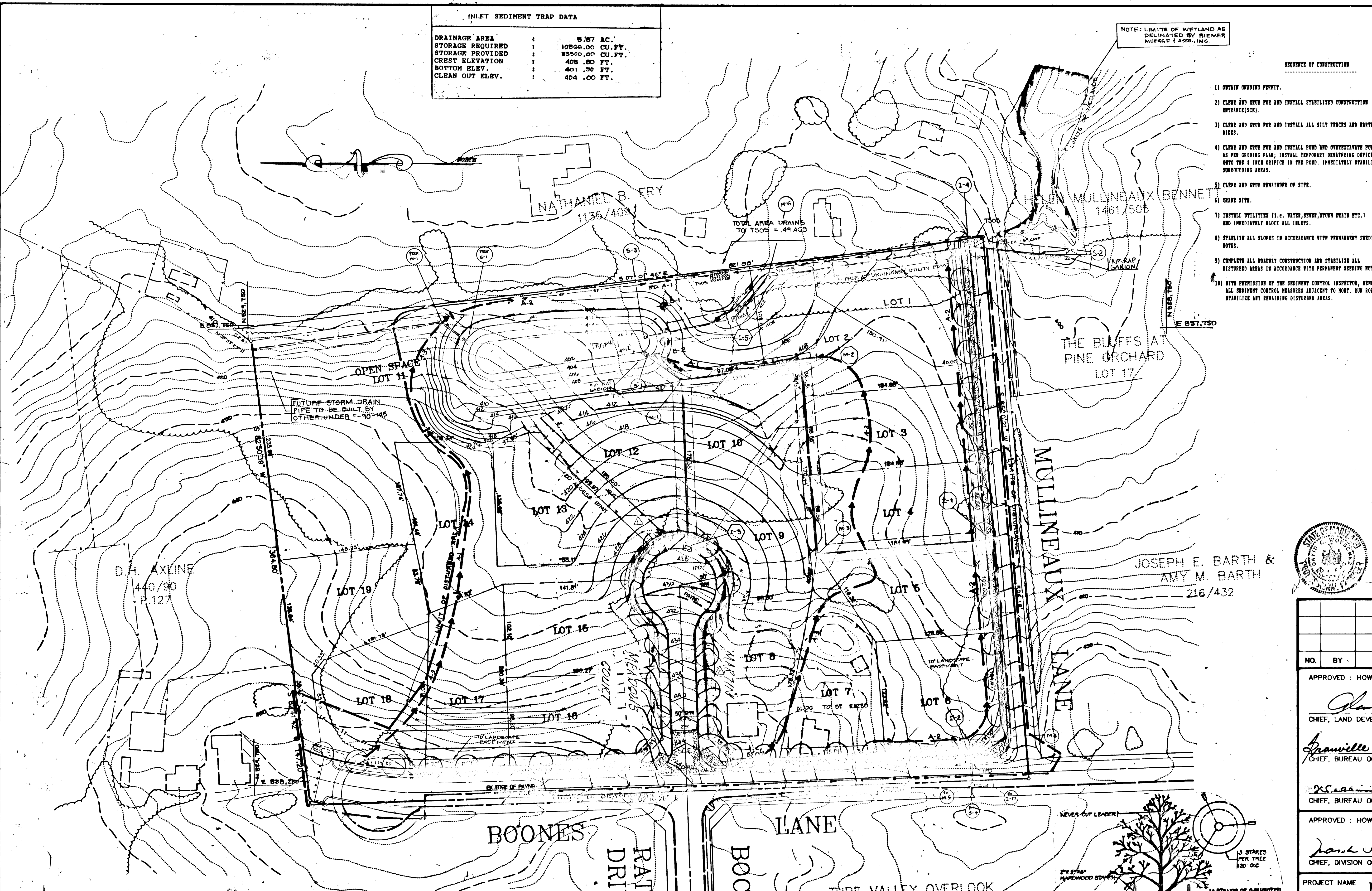
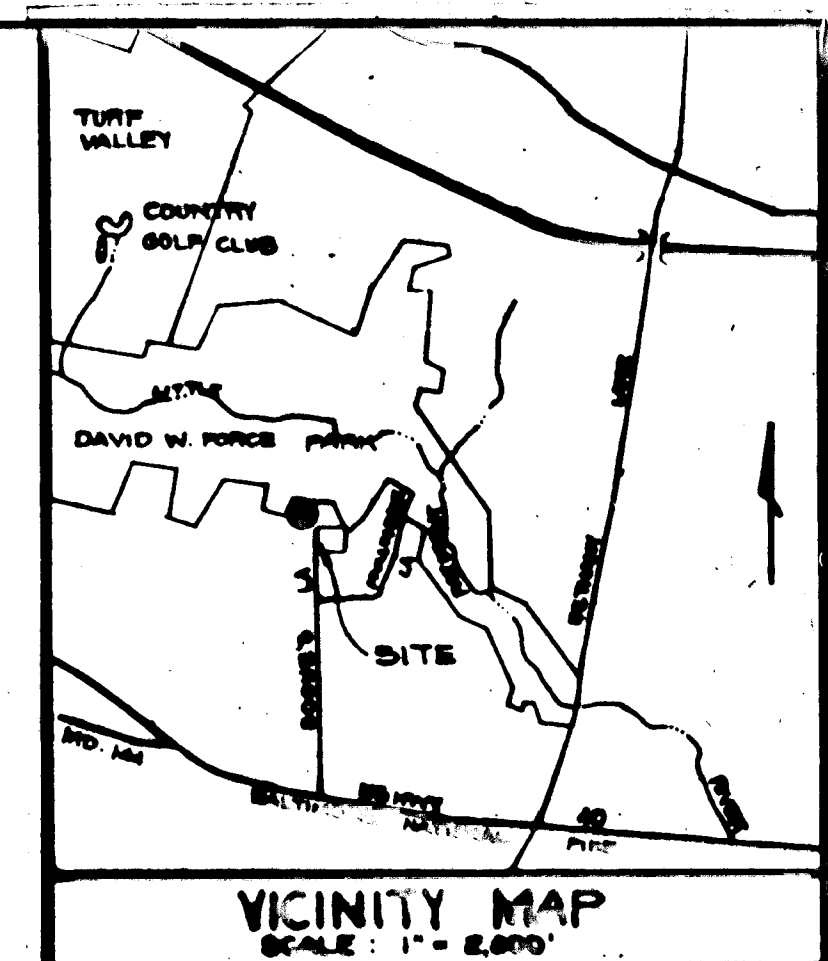


**INLET SEDIMENT TRAP DATA**

DRAINAGE AREA	:	8.87 AC.
STORAGE REQUIRED	:	10566.00 CU. FT.
STORAGE PROVIDED	:	83500.00 CU. FT.
CREST ELEVATION	:	406.80 FT.
BOTTOM ELEV.	:	401.90 FT.
CLEAN OUT ELEV.	:	404.00 FT.

NOTE: LIMITS OF WETLAND AS DELINEATED BY RIEMER MUEGGLE & ASSOC., INC.

- SEQUENCE OF CONSTRUCTION**
- 1) OBTAIN GRADING PERMITS.
  - 2) CLEAR AND GRUB POB AND INSTALL STABILIZED CONSTRUCTION ENTRANCE(S).
  - 3) CLEAR AND GRUB POB AND INSTALL ALL SILT FENCES AND BERTH DICES.
  - 4) CLEAR AND GRUB POB AND INSTALL POND AND OVERFLOW POND AS PER GRADING PLAN; INSTALL TEMPORARY DRAINAGE DEVICES ONTO THE 1 INCH CRIPPER IN THE POND. IMMEDIATELY STABILIZE SURROUNDING AREAS.
  - 5) CLEAR AND GRUB REMAINDER OF SITE.
  - 6) GRADE SITE.
  - 7) INSTALL UTILITIES (I.E. WATER, SEWER, STORM DRAIN, ETC.) AND IMMEDIATELY BLOCK ALL INLETS.
  - 8) STABILIZE ALL SLOPES IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
  - 9) COMPLETE ALL BODY CONSTRUCTION AND STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
  - 10) WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL MEASURES ADJACENT TO HOBY. RUN ROAD. STABILIZE ANY REMAINING DISTURBED AREAS.

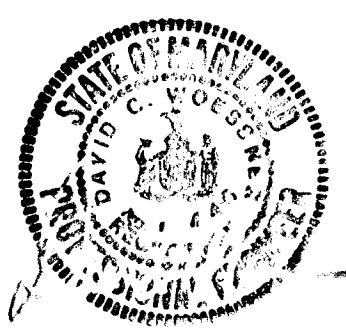


By the Developer:  
 "I certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."  
 Signature of Developer: *Robert J. Martin* 8/11/90  
 Print name below signature

By the Engineer:  
 "I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."  
 Signature of Engineer: *Joseph E. Barth* 9/11/90  
 Print name below signature

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.  
 Signature of Reviewer: *Joseph E. Barth* 9/11/90  
 U.S. Soil Conservation Service Date

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.  
 Signature of Reviewer: *Robert J. Martin* 9/11/90  
 Howard Soil Conservation District Date



**PLANT LIST**

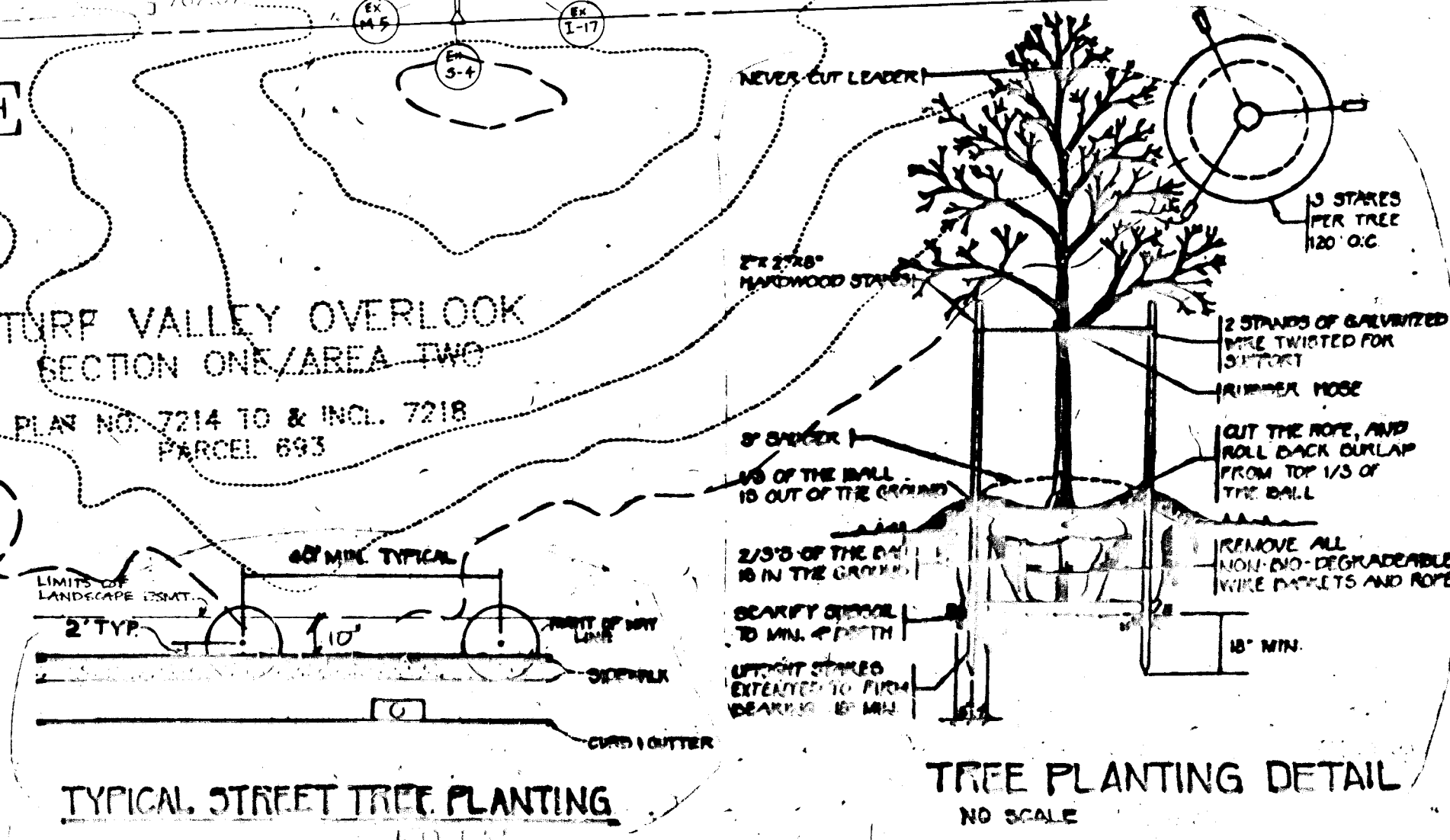
SYMBOL	QUANTITY	NAME	REMARKS
○	43	SUGAR MAPLE	2 1/2" DIA Full Head

**REVISIONS**

NO.	DESCRIPTION	DATE
1	REMOVE SIDEWALK ALONG MARTIN MEADOWS COURT, ADD BOLLARDS AND DETAIL	11/18/90

SITE PLAN GRADING WILL BE SUCH THAT THE DRAINAGE CHARACTERISTICS WILL MATCH FINAL PLAN GRADING.

TURF VALLEY OVERLOOK SECTION ONE/AREA TWO  
 PLAN NO. 7214 TO & INCL. 7218  
 PARCEL 693



NO.	BY	REVISION	DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.			
	<i>John M. Torgans</i>		10/6/90
CHIEF, LAND DEVELOPMENT DIVISION, MK			
	<i>Granville W. Welland</i>		9/17/90
CHIEF, BUREAU OF HIGHWAYS			
	<i>James B. Ryan</i>		9-10-90
CHIEF, BUREAU OF ENGINEERING			
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.			
	<i>David W. Taylor</i>		11/20/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT			
PROJECT NAME		MARTIN'S MEADOWS SEC. 11/AREA 1	
LOTS 1-19 ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND.			
TITLE			
GRADING, TREES AND SEDIMENT CONTROL PLAN			
5-89-06 P-89-52 F-90-95			
PREPARED BY:		OWNER/DEVELOPER	
American Engineering Inc.		ROBERT J. MARTIN	
871-A MAN STREET LAREL, MARYLAND 20707 (301) 853 1221		1/4 LAND DESIGN & DEVELOPMENT, INC. 10208 HICKORY RIDGE RD. SUITE 210 COLUMBIA, MD. 21044	
DES.: DCW	JOB: 89108	SCALE:	SHEET 5 OF 8
DRW.: JN	PROJ.:	1" = 50'	
CHK.: DCW/RA	DATE: MAY 90		



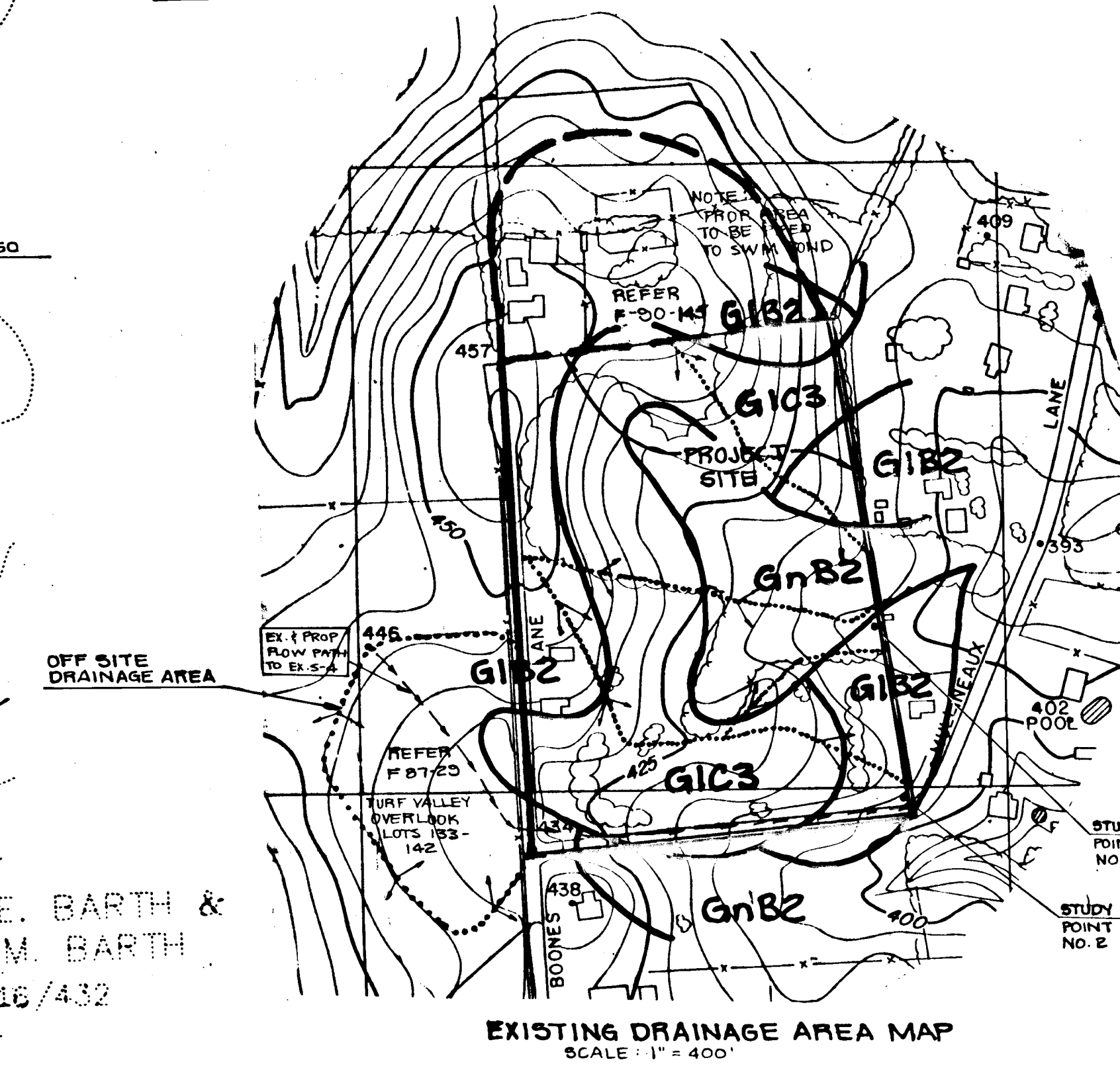
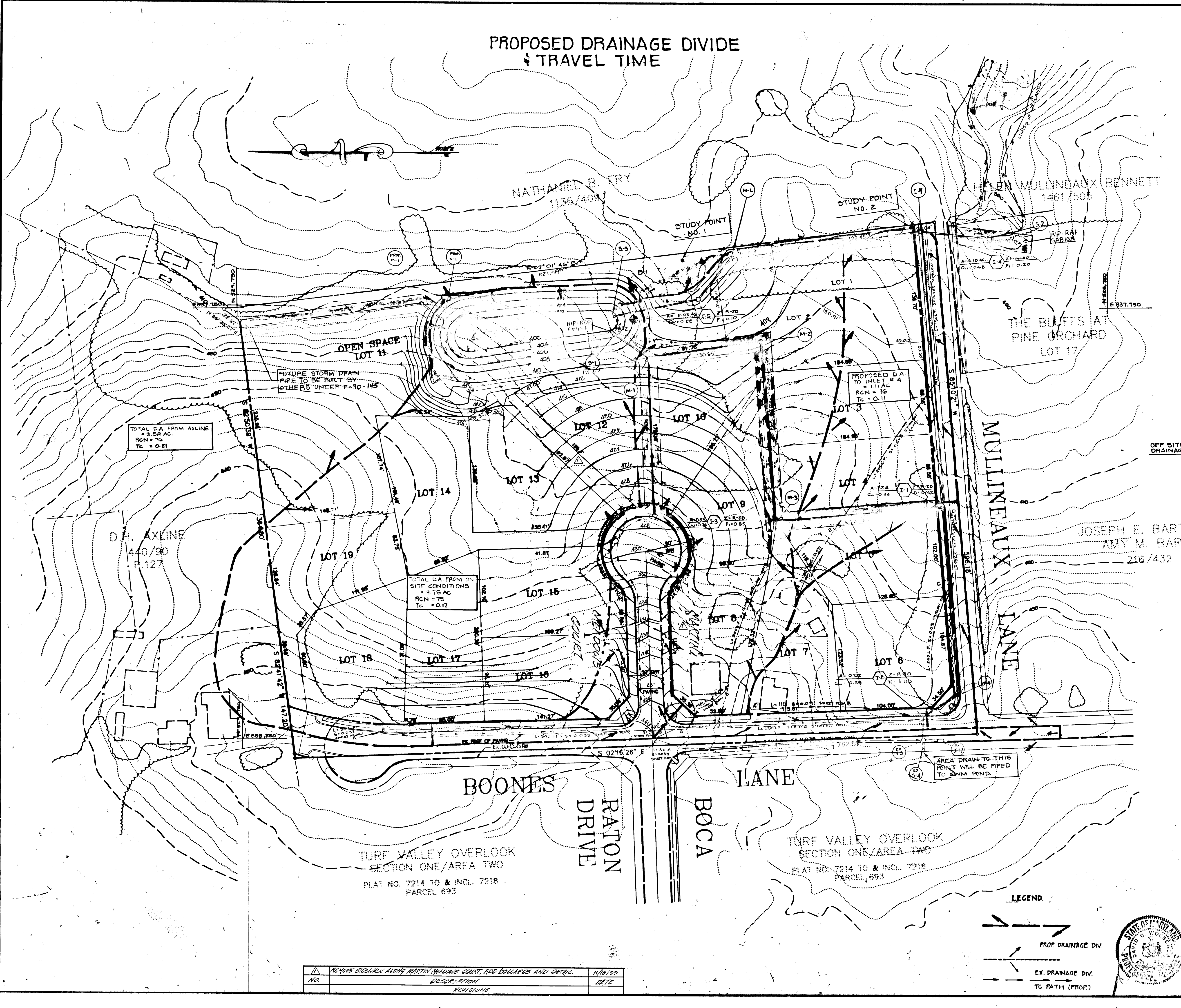
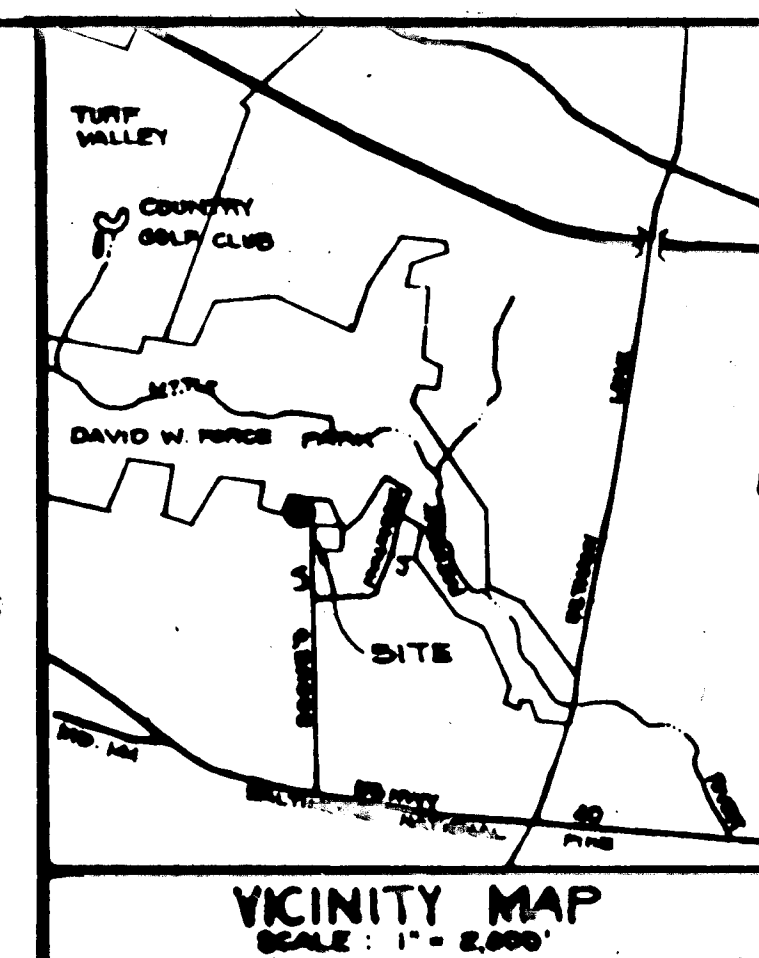
PROPOSED DRAINAGE DIVIDE  
↓ TRAVEL TIME

STUDY POINT # 1		
EX. CONDITIONS	PROP. CONDITIONS	
D.A. (AC.)	5.14	0.0
RCN	11.00	0.0
Tc	0.16	0.0
Q2, CFS	1.28	0.0
Q10, CFS	11.27	0.0

STUDY POINT # 2		
EX. CONDITIONS	PROP. CONDITIONS	
D.A. (AC.)	6.75	9.75
RCN	13.00	0.88
Tc	0.12	0.00
Q2, CFS	1.31	6.71
Q10, CFS	22.67	21.73

\* NOTE REFER TO TR 20(AFTER ADD HYDROGRAPH)



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

<i>Howard M. Dungan</i> CHIEF, LAND DEVELOPMENT DIVISION MK	10/9/90 DATE
<i>Francis W. Weiland</i> CHIEF, BUREAU OF HIGHWAYS	9/17/90 DATE
<i>William E. Roy</i> CHIEF, BUREAU OF ENGINEERING	10.10.90 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

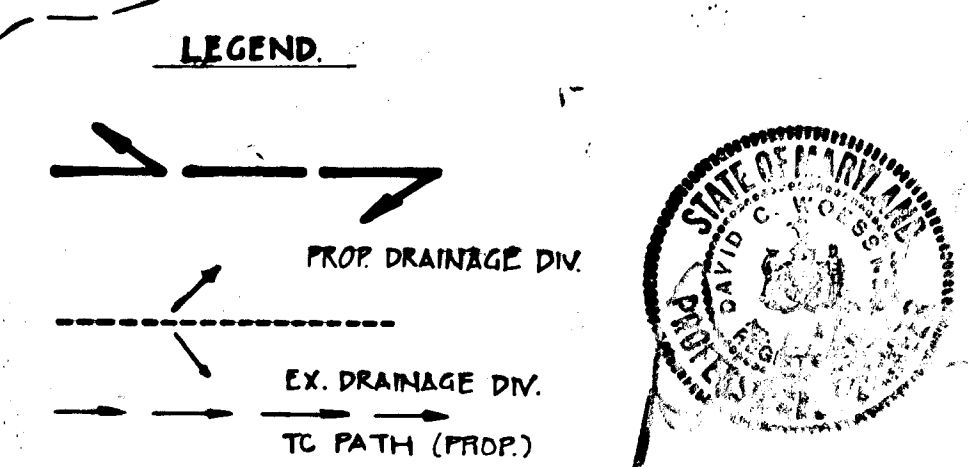
<i>Paul V. Zangli</i> CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT JB	11/15/90 DATE
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PROJECT NAME: **MARTIN'S MEADOWS SEC. 1 / AREA 1**  
LOTS 1-19 ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND.

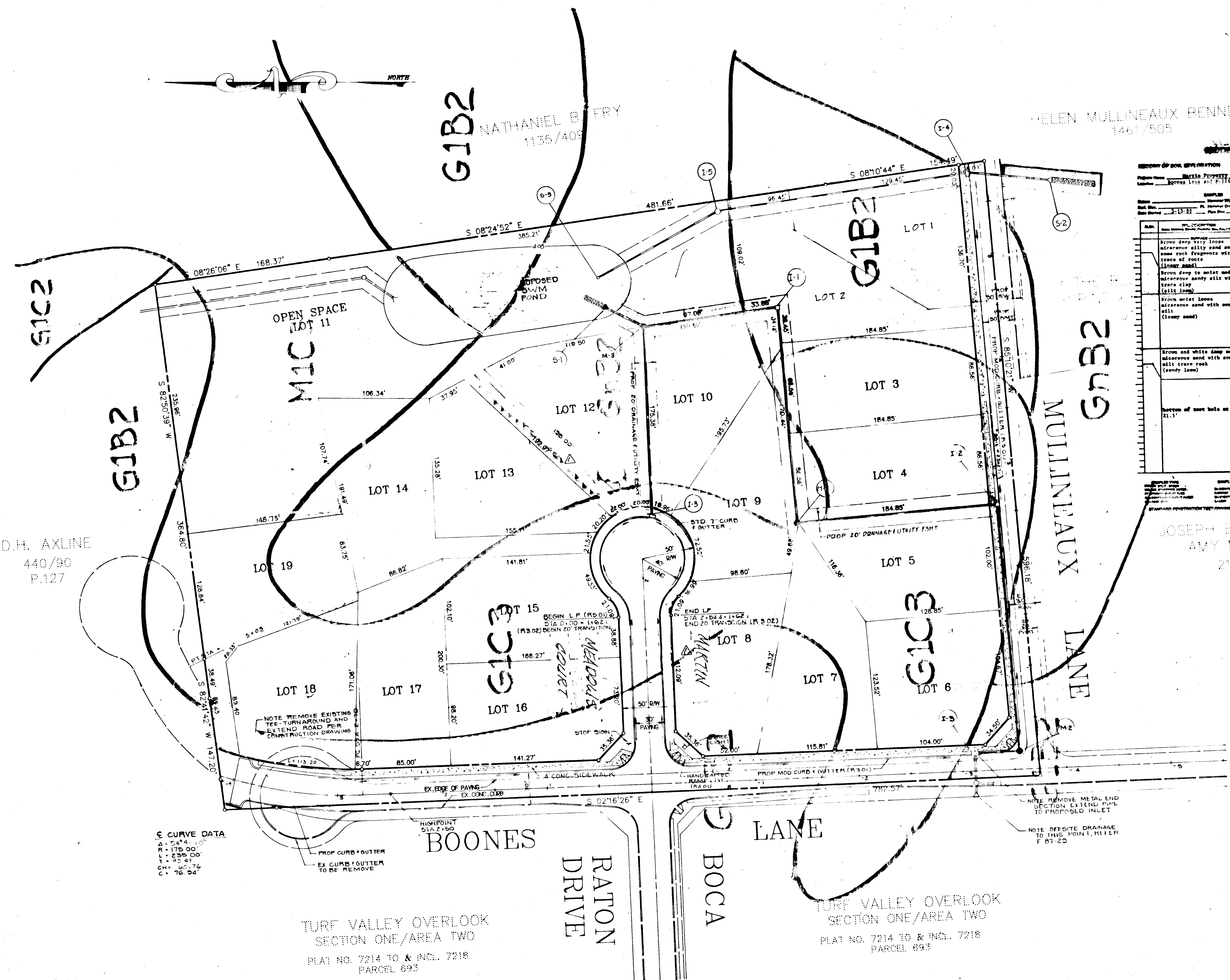
TITLE: **DRAINAGE AREA MAP**  
5-89-06 P-81-52 F-90-95

PREPARED BY: <b>American Engineering Inc.</b> 671-A MAIN STREET LAUREL, MARYLAND 20707 (301) 853 1221 (301) 880 3038	OWNER/DEVELOPER: ROBERT J. MARTIN % LAND DESIGN & DEVELOPMENT, INC. 10505 HICKORY RIDGE RD. SUITE 210 COLUMBIA, MD. 21044
DES.: RA	JOB: 89108
DRW.: JNJ	PROJ.:
CHK.: RA, DA	DATE: MAY 90
	SCALE: 1" = 50'
	SHEET 6 OF 8

NO.	REVISION	DATE
1	REMOVE SUBDIVISION ALONG MARTIN MEADOWS COURT, ADD BOULEVARDS AND DETAIL.	11/18/90
2		01/76







**RECORD OF SOIL EXPLORATION**

Project Name: Martin Property Location: Boones Lane and Mullineaux Lane Sheet: 1-1 Date: 3-13-89

Client: Joseph E. Barth & Amy M. Barth No. of Samples: 21 Date Completed: 3-13-89

NO.	DEPTH (ft)	SOIL DESCRIPTION	TESTS	NO.	DEPTH (ft)	SOIL DESCRIPTION	TESTS
1	0-1	8" topsoil		11	10-11	medium micaceous sand with some silt	
2	1-2	groundwater encountered at 19.0'		12	11-12	medium micaceous sand with some silt	
3	2-3	groundwater level at completion at 17.3'		13	12-13	medium micaceous sand with some silt	
4	3-4			14	13-14	medium micaceous sand with some silt	
5	4-5			15	14-15	medium micaceous sand with some silt	
6	5-6			16	15-16	medium micaceous sand with some silt	
7	6-7			17	16-17	medium micaceous sand with some silt	
8	7-8			18	17-18	medium micaceous sand with some silt	
9	8-9			19	18-19	medium micaceous sand with some silt	
10	9-10			20	19-20	medium micaceous sand with some silt	
21	21.0'	bottom of test hole at 21.0'					

STANDARD PENETRATION TEST PERFORMED AT 2' INTERVALS WITH 140 LB. HOLLOW ROD AND 60 LB. POINT. MADE AT 6" INTERVALS.

JOSEPH E. BARTH &  
AMY M. BARTH  
216/432

NO.	BY	REVISION	DATE
1	John W. Langley		10/9/90
2	Franklin W. Weiland		9/17/90
3	William E. Rabin		10-30-90
4	John W. Langley		11/5/90

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*John W. Langley*  
 CHIEF, BUREAU OF HIGHWAYS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*John W. Langley*  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

PROJECT NAME: **MARTIN'S MEADOWS SEC. 1/AREA 1**  
 LOTS 1-19 ELECTION DISTRICT NO. 2  
 HOWARD COUNTY, MARYLAND.

TITLE: **SOILS MAP FINAL PLAN**  
 8-89-06 P-89-82 F-90-95

PREPARED BY: **American Engineering Inc.**  
 671-A MAIN STREET  
 LAUREL, MARYLAND 20707  
 (301) 953-1221 (301) 880-3039

OWNER/DEVELOPER: **MARTIN'S MEADOWS DEVELOPMENT**  
 1065 S. HICKORY RIDGE RD.  
 SUITE 210  
 LAUREL, MD 21044

DES. : DCW JOB : 88108  
 DRW. : Y PROJ. :  
 CHK. : RAB DATE : MAY 90

SCALE : 1" = 50'  
 SHEET : 7 OF 8

SYMBOL	DESCRIPTION	TYPE
G1B2	Glenelg loam, 3 to 8 percent slopes, moderately eroded	B
G1C3	Glenelg loam, 8 to 15 percent slopes, severely eroded	B
GnB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
M1C3	Manor loam, 8 to 15 percent slopes, severely eroded	C

HYDRIC SOILS

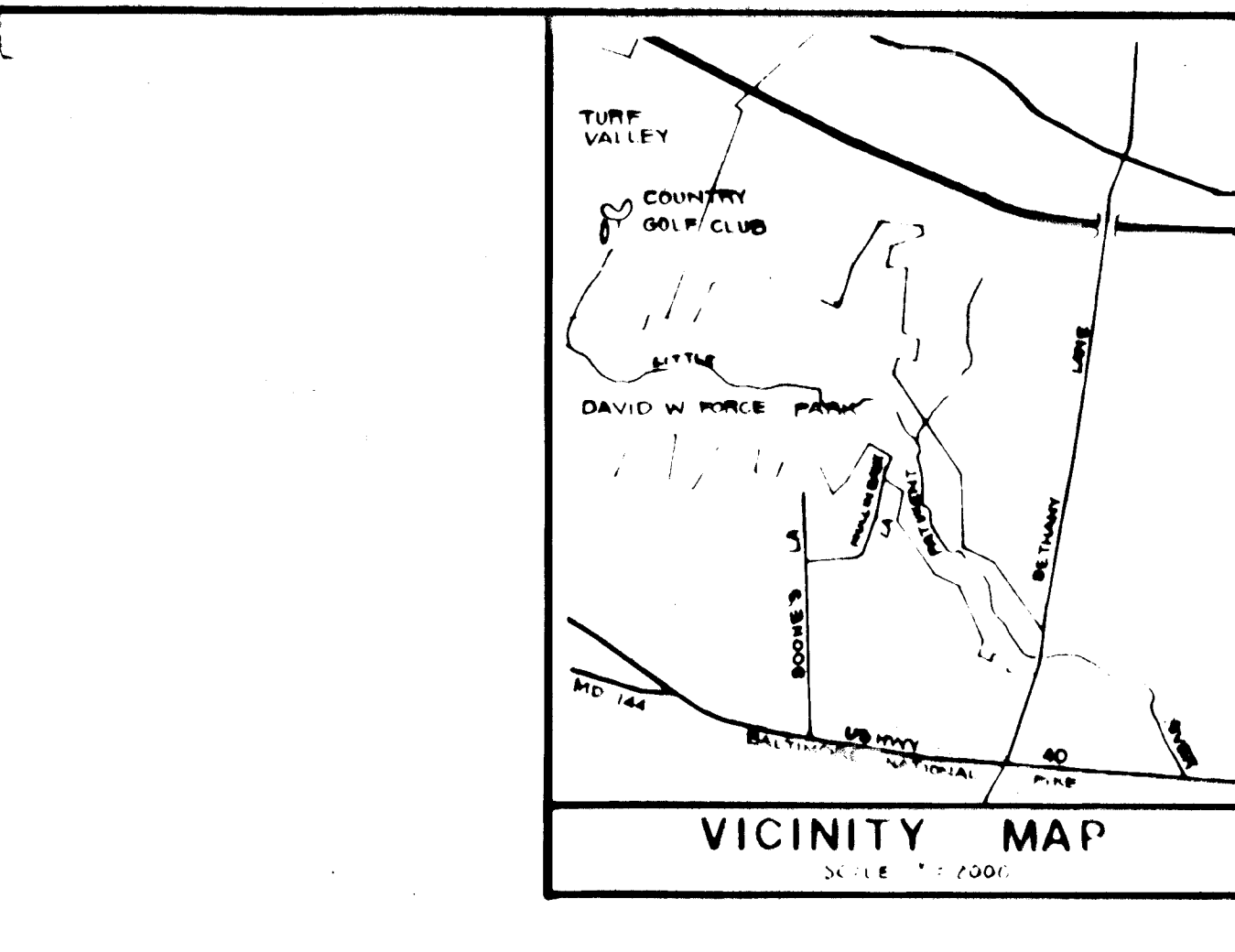
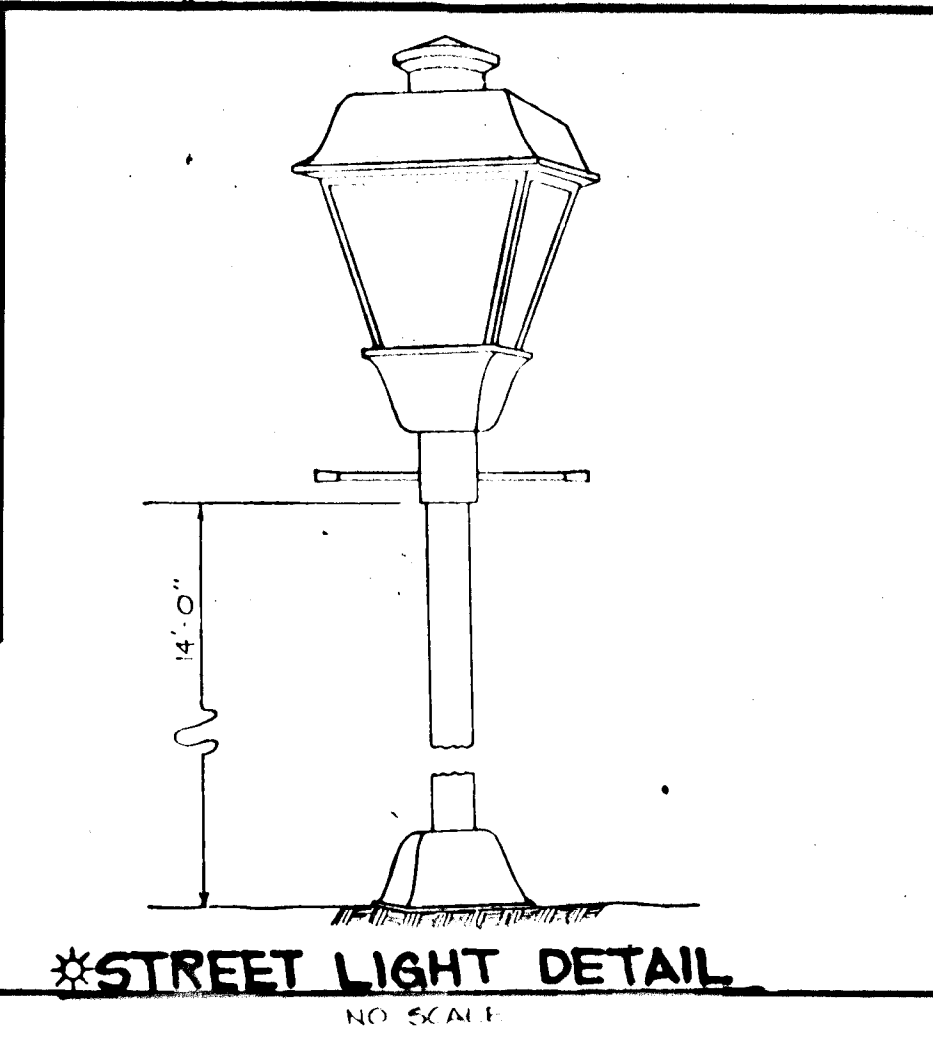
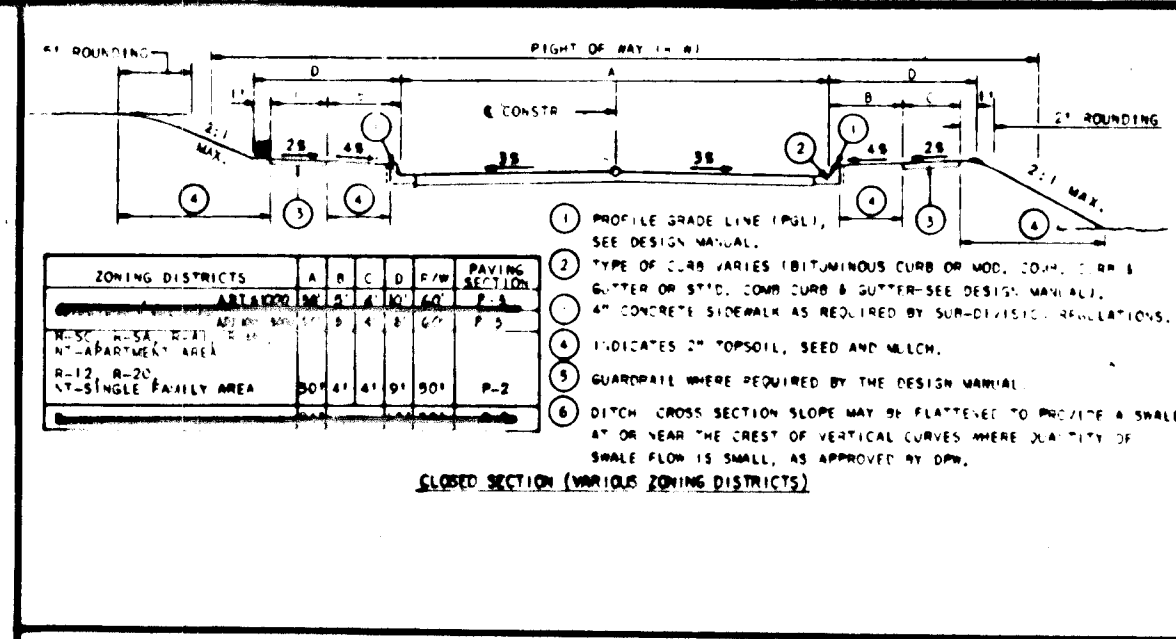
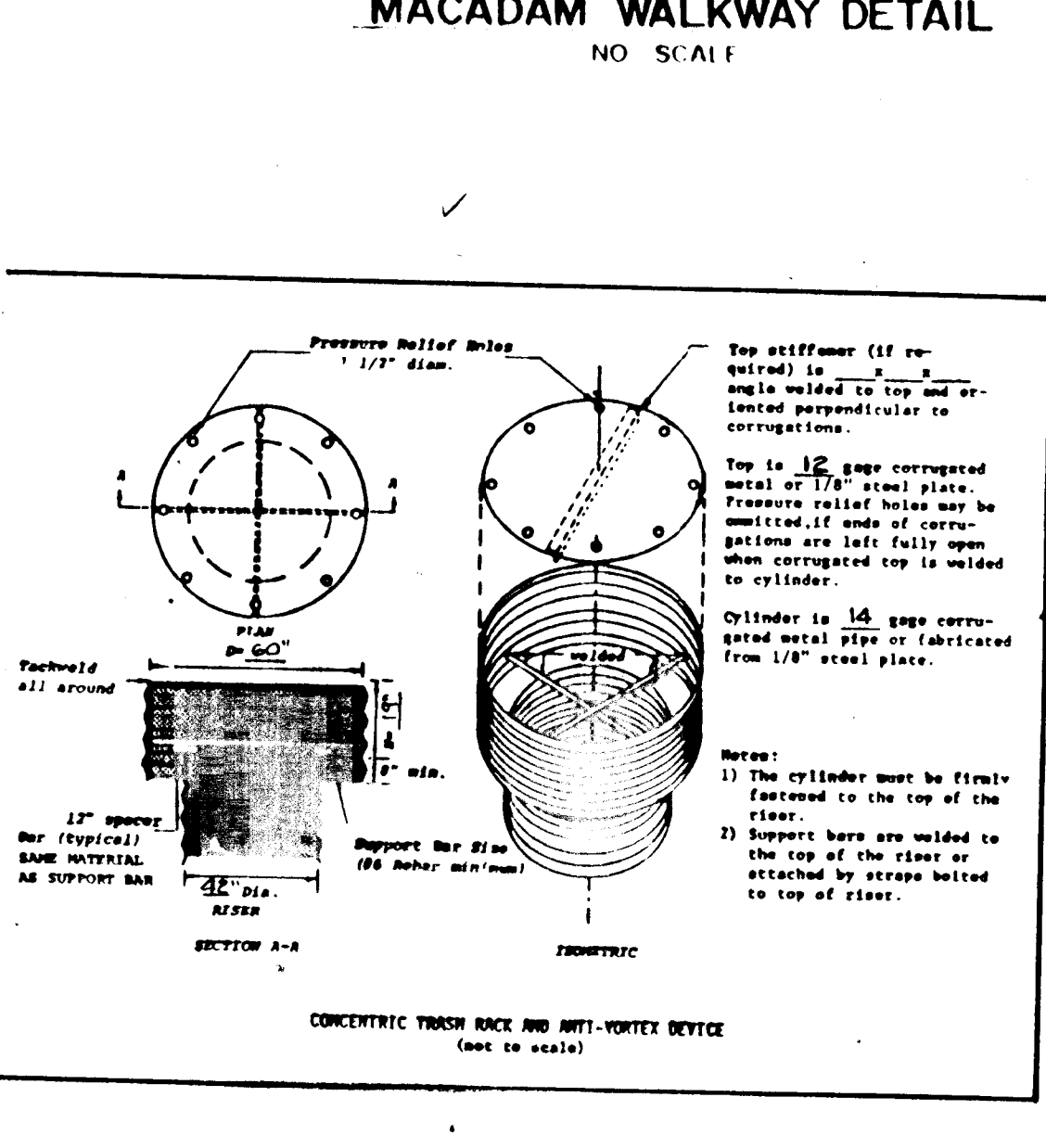
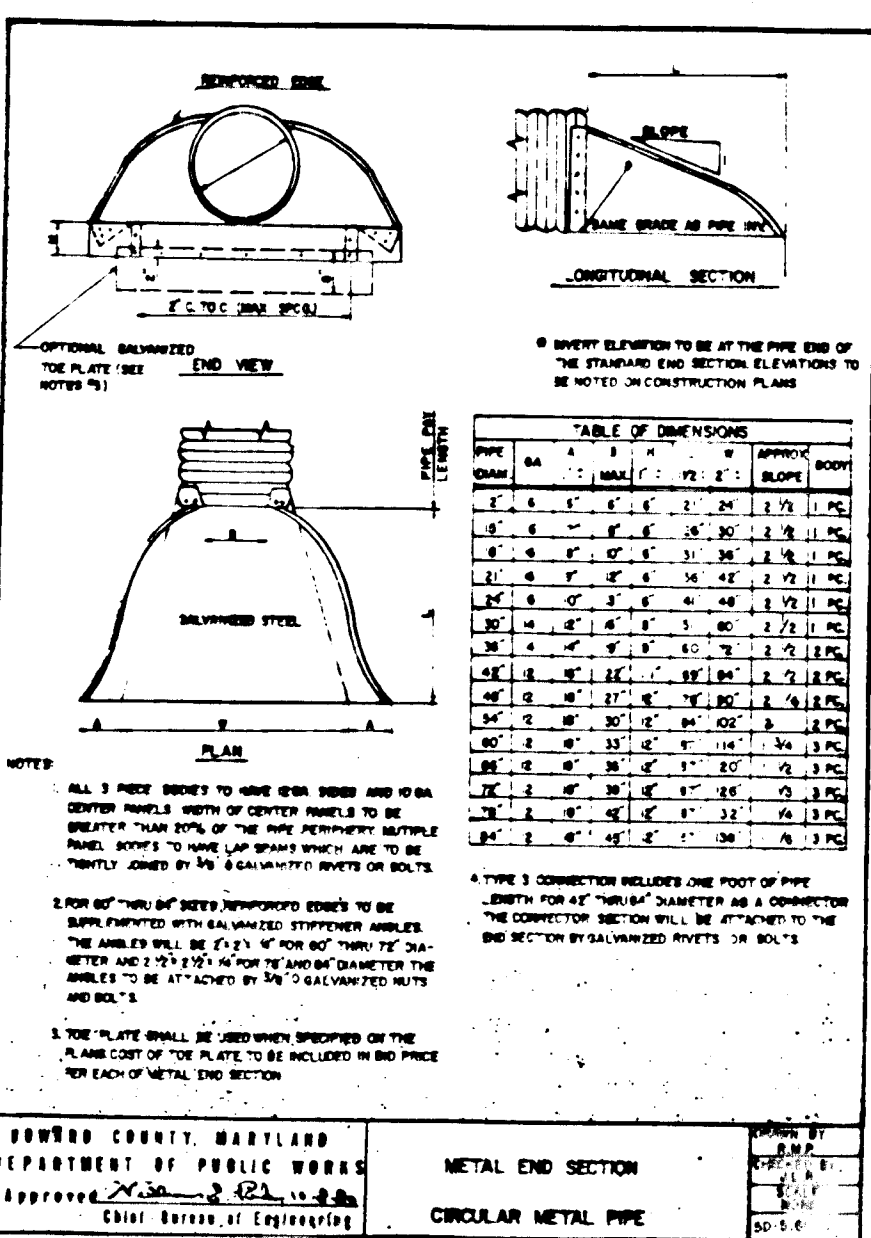
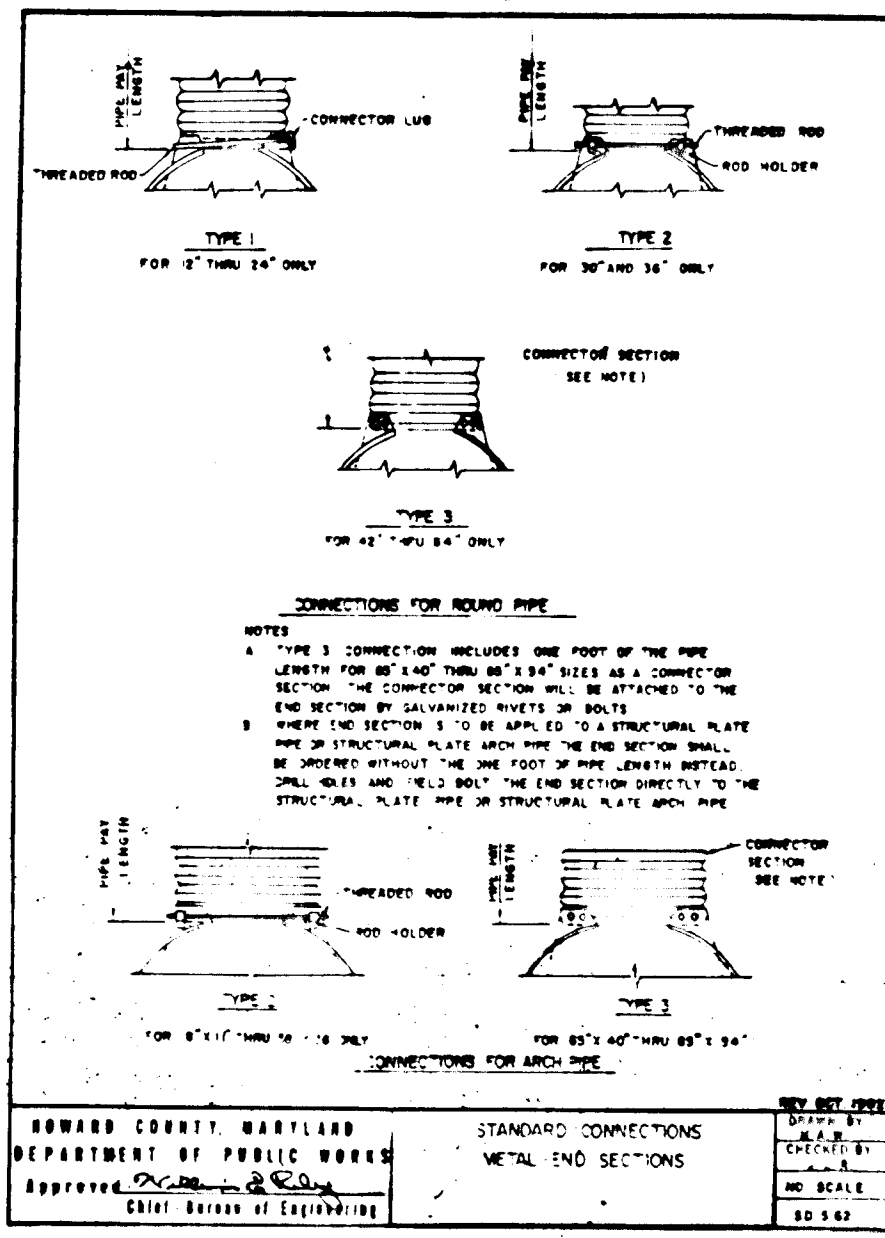
NO.	REVISIONS	DATE
1	REMOVE SIDEWALK ALONG MARTIN MEADOWS COURT, ADD BALLINGS AND DETAILS	11/8/90

NO WETLANDS ARE PRESENT ON THIS SITE. SEE CERTIFICATION LETTER.



F-90-95



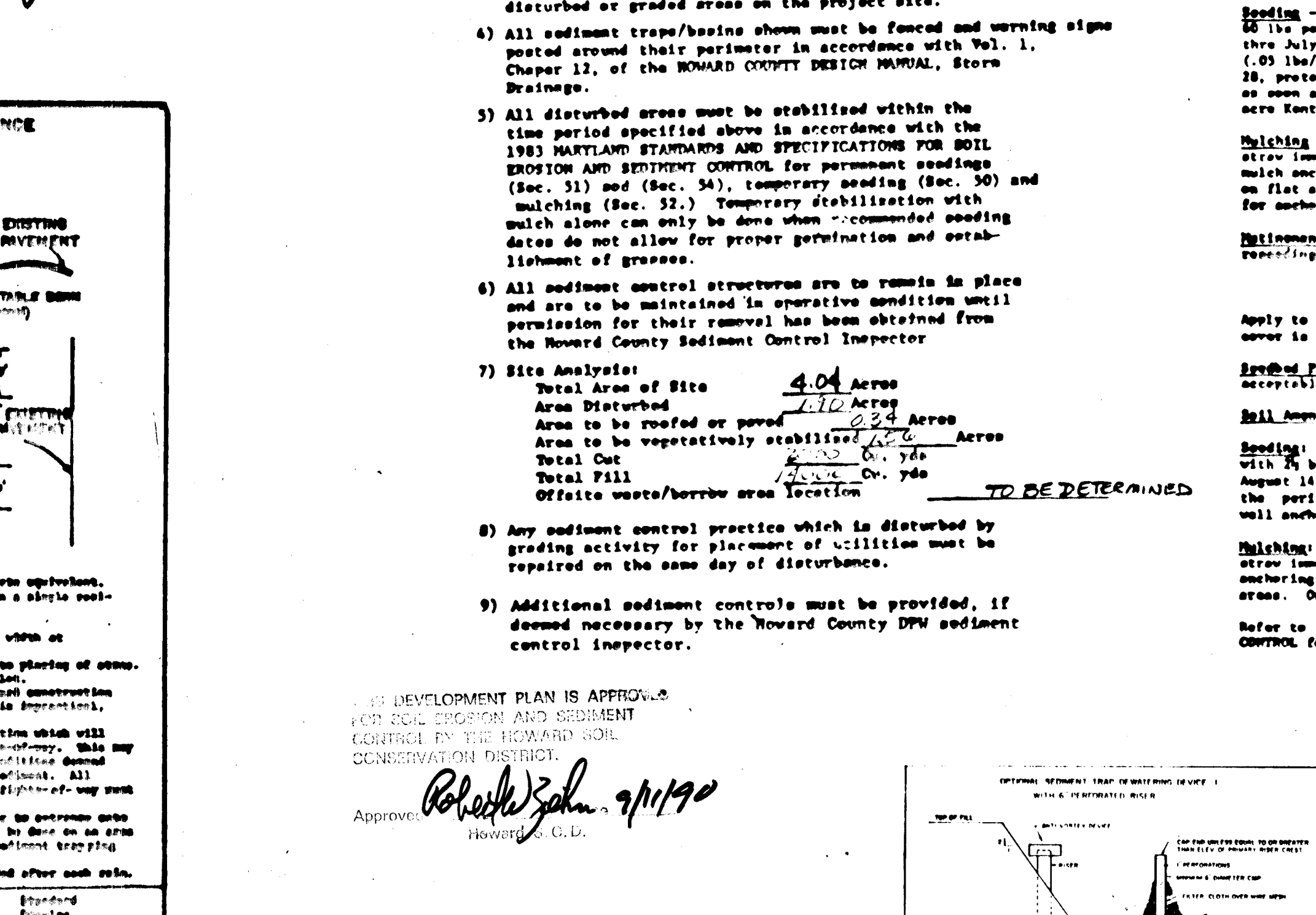
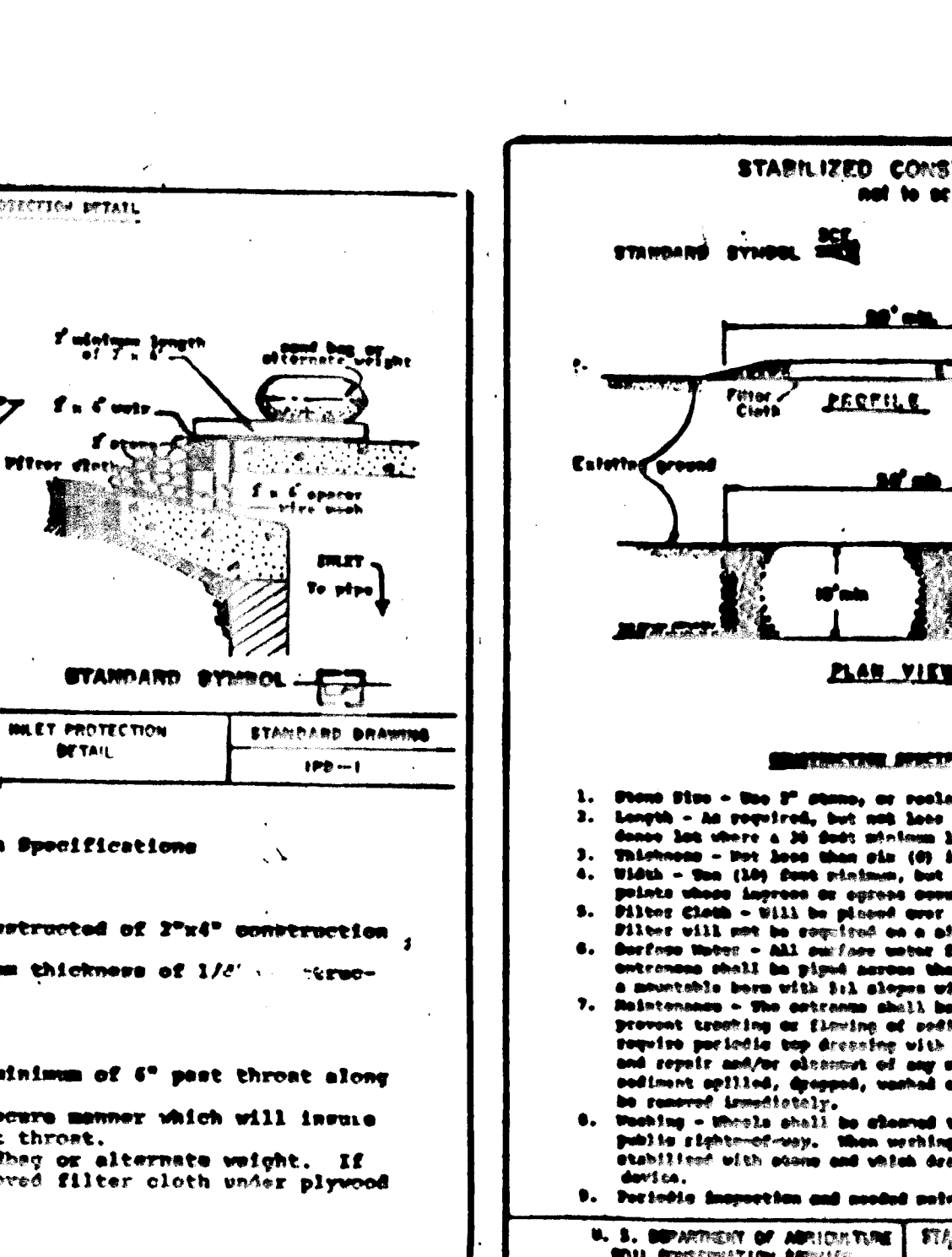
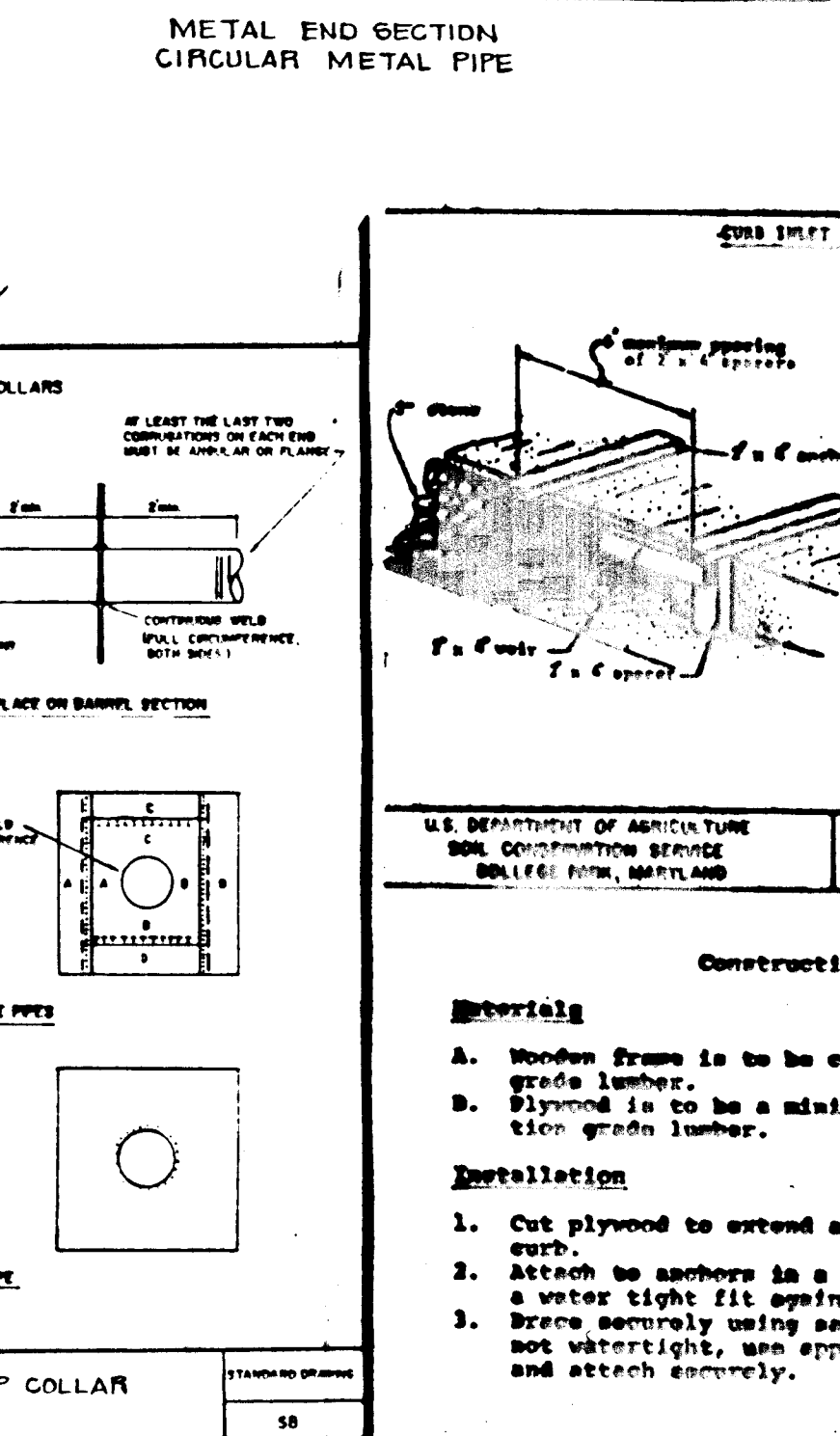
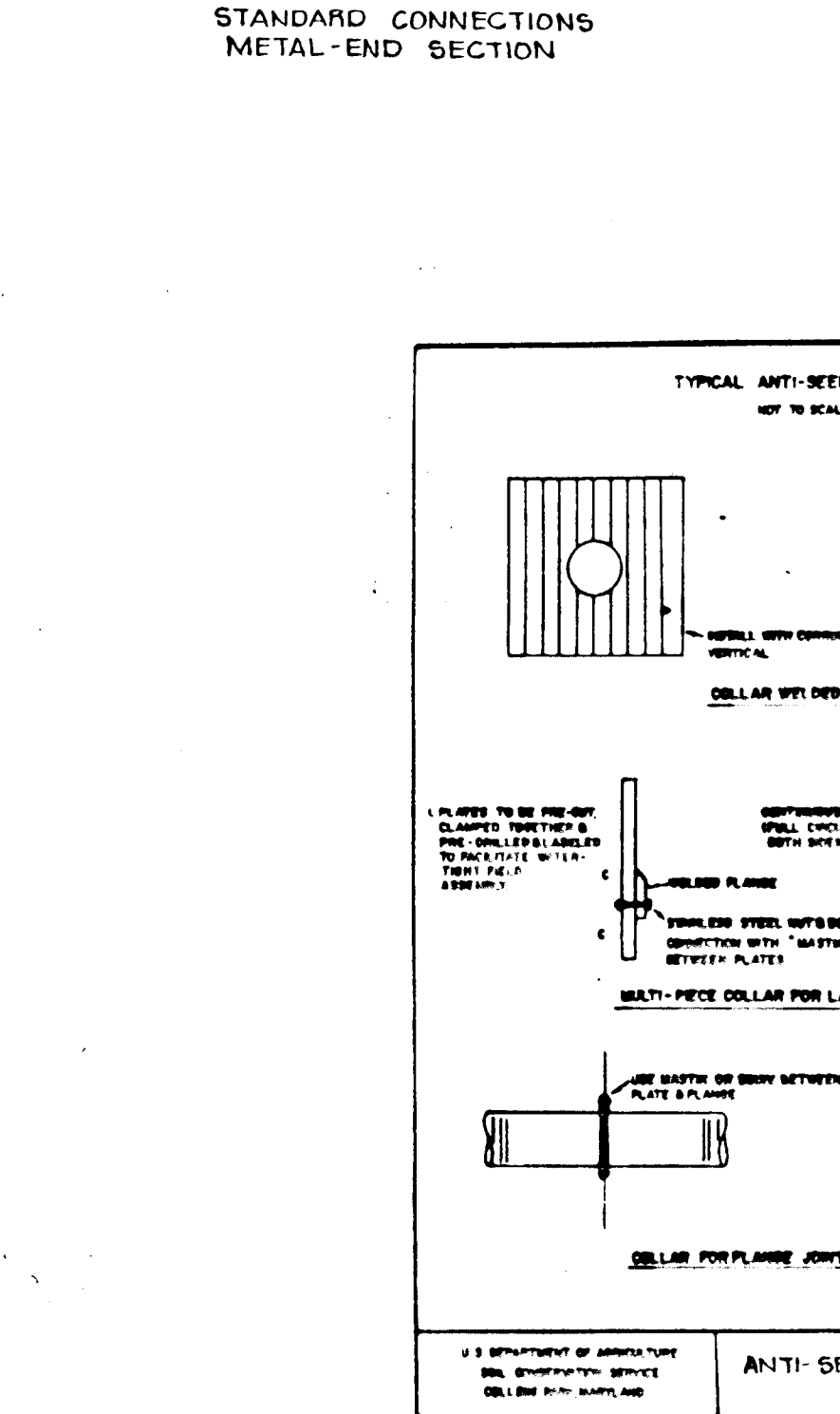


**NOTES**

- ALL LIGHT FIXTURES TO BE SINGLE LUMINAIRE 100 WATT SODIUM TYPE, 14 HIGH WITH BLACK FIBERGLASS POLES AND TRADITIONAL HEAD DIRECTED DOWNWARD
- LOCATION OF THE LIGHT FIXTURES ARE ON THE PLAN AND ARE SHOWN THUS
- POLE AND FIXTURE TO BE BLACK FIBERGLASS
- POLE TO BE LOCATED 5' BACK FROM BACK OF CURB

**SEDIMENT CONTROL NOTES**

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with dikes do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:  
Total Area of Site: 4.04 Acres  
Area Disturbed: 1.70 Acres  
Area to be seeded or paved: 2.34 Acres  
Area to be vegetatively stabilized: 2.34 Acres  
Total Cut: 2.34 Cu. Yds  
Offsite waste/borrow area location: TO BE DETERMINED
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

APPROVED FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

**ENGINEER'S CERTIFICATE**

"I 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: *David Weimer* Date: 3/15/90

Registered Professional Engineer #

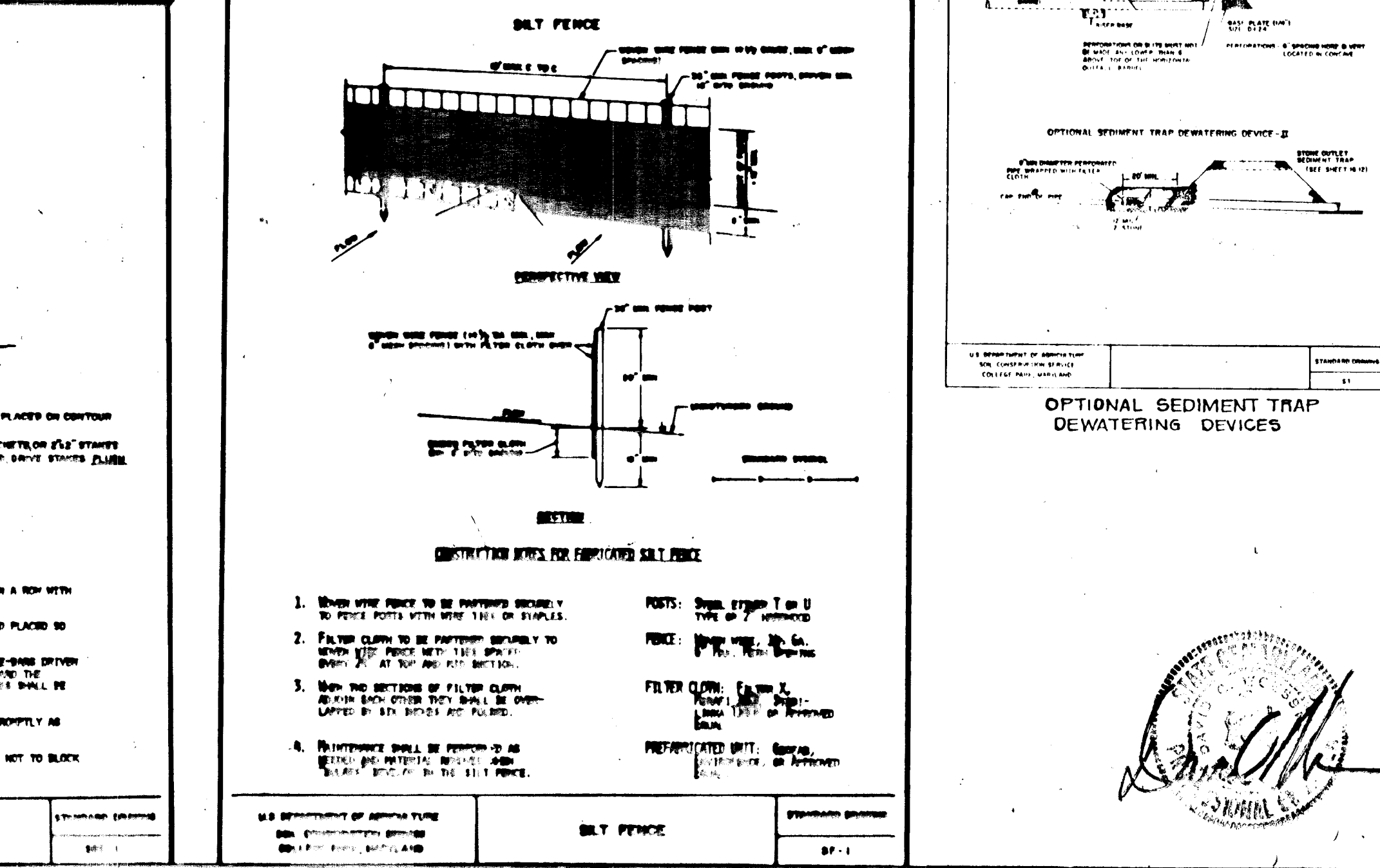
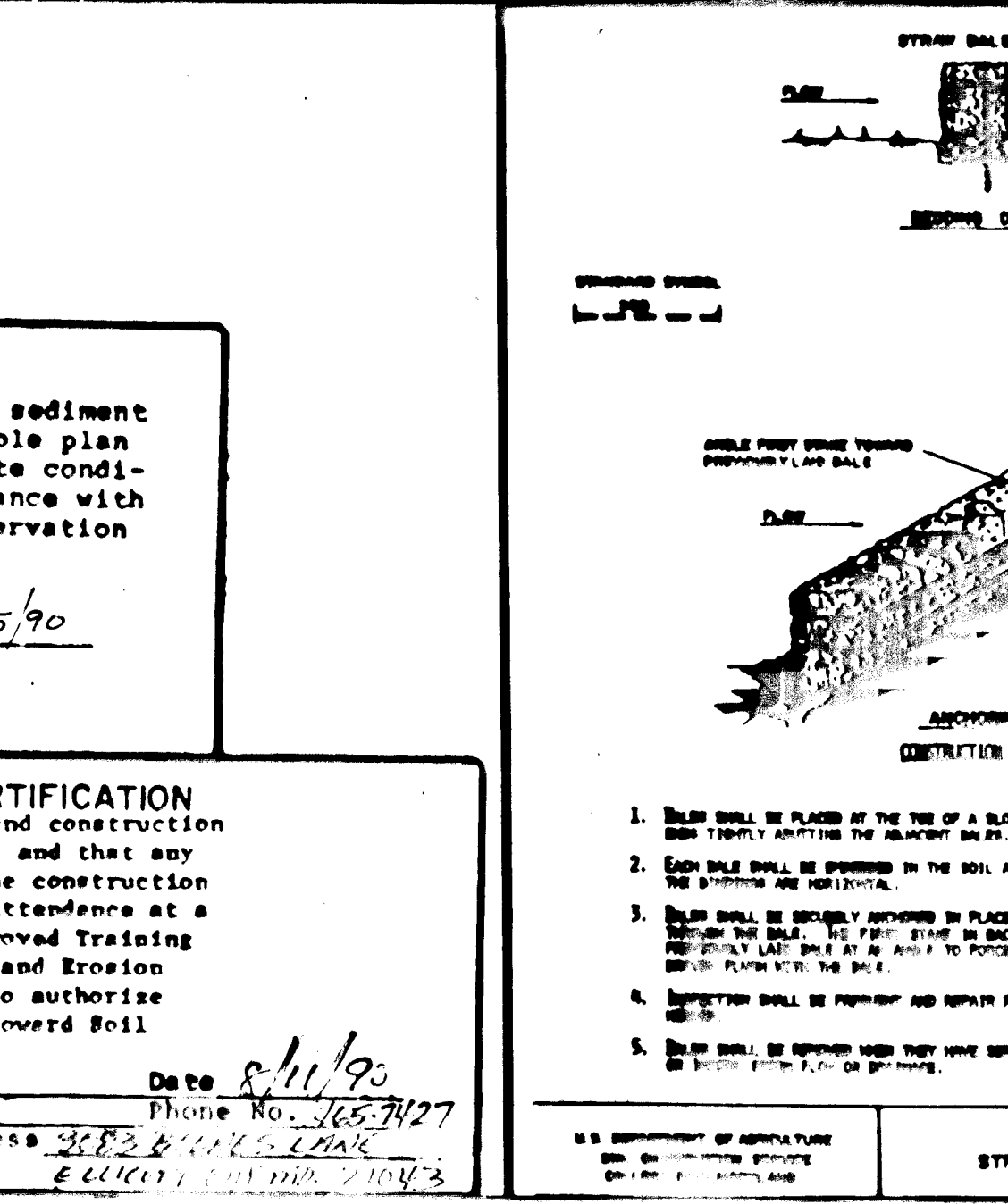
**OWNER'S/DEVELOPER'S CERTIFICATION**

"I certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature: *Robert J. Martin* Date: 3/11/90

Name: *ROBERT J. MARTIN* Title: *OWNER*

Firm: *2123 BULLOCK ROAD, ELICOTT CITY, MD 21043*



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

PROJECT NAME: **MARTIN'S MEADOWS SEC. 1/AREA 1**

LOTS 1-19 ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND.

TITLE: **SEDIMENT CONTROL DETAIL SHEET**

OWNER: **ROBERT J. MARTIN, 3063 BOONE LANE, ELICOTT CITY, MD 21043**

DEVELOPER: **PROFESSOR J. MARTIN, 76 LAND DESIGN & DEVELOPMENT, INC., 10305 HIGHWAY RIDGE RD., SUITE 210, COLUMBIA, MD, 21044**

PREPARED BY: **American Engineering Inc., 871-A MAIN STREET, LAUREL, MARYLAND 20707, (301) 953-1221, (301) 880-3030**

DES.: DCW JOB: 85108

DRW.: WAF PROJ.:

CHK.: RAE DATE: MAY 90

SCALE: NO SCALE

SHEET 8 OF 8