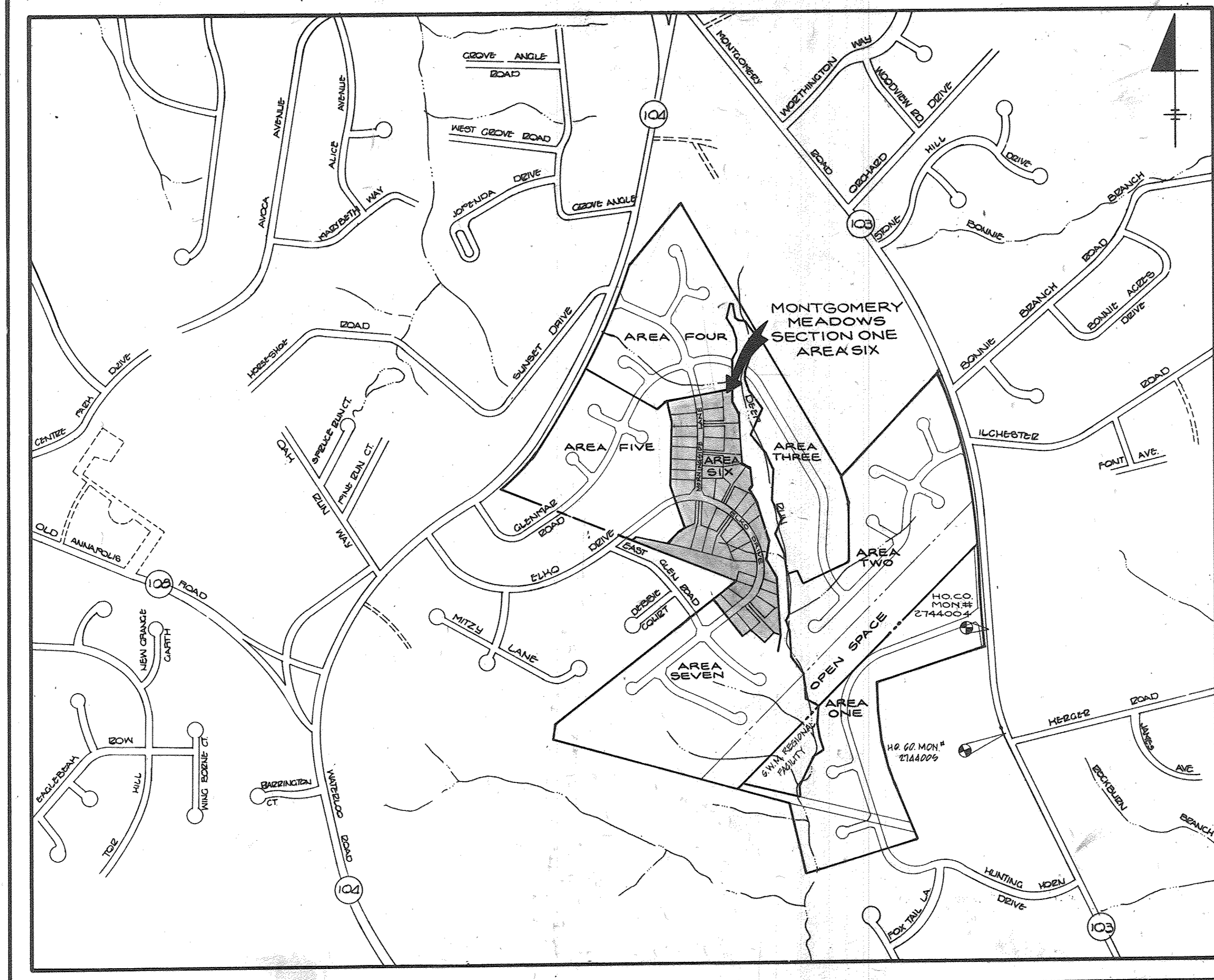
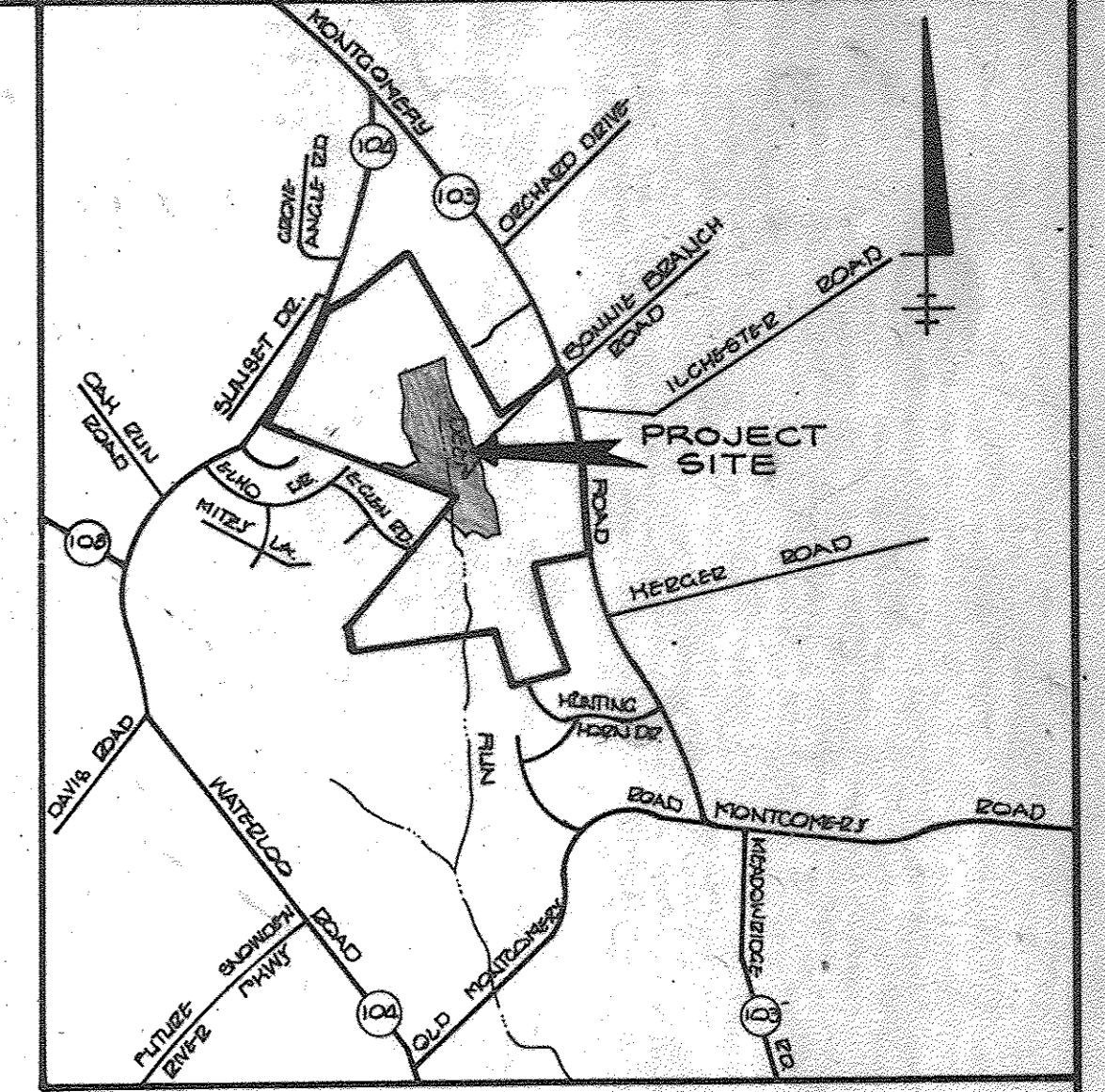


INDEX OF SHEETS	
SHEET NO.	TITLE
1	TITLE SHEET
2	PLAN AND PROFILE - MORNINGSIDE LANE
3	PLAN AND PROFILE - ELKO DRIVE
4	PLAN AND PROFILE - ELKO DRIVE
5	ROAD SECTIONS AND DETAILS
6	STORM DRAIN PROFILES
7 & 8	GRADING SEDIMENT AND EROSION CONTROL PLAN
9	SEDIMENT AND EROSION CONTROL DETAIL SHEET



**LOCATION MAP**  
SCALE: 1" = 600'



**VICINITY MAP**  
SCALE: 1" = 2000'

**GENERAL NOTES**

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- ALL UTILITY COMPANIES MUST BE NOTIFIED 24HRS IN ADVANCE OF ANY CONSTRUCTION.
- STORM DRAINAGE TRENCHES WITHIN ROAD RIGHT-OF-WAYS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
- ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTORS EXPENSE.
- CONTRACTOR TO NOTIFY THE HOWARD COUNTY INSPECTION AND SURVEY DIVISION AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE: 792-7272.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION, CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE.
- ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 1994 EDITION.
- STREET TREES TO BE PROVIDED AS REQUIRED BY SECTION 16.151 OF THE HOWARD COUNTY, SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- THE PROPOSED GRADING SHOWN ON SHEETS 7 AND 8 IS FOR MASS GRADING. THIS ACTUAL LOT GRADING WILL BE PROPOSED WITH THE SUBMISSION OF A SITE DEVELOPMENT PLAN.

**BENCHMARKS**  
 HOWARD CO. MON # 2744003 - ELEV. 418.367  
 1/4 REBAR 0.6 BELOW SURFACE, 1' WEST OF MD ROUTE 103 AND HOOD'S SOUTH OF INTERSECTION OF ILCHESTER ROAD.  
 HOWARD CO. MON # 2744004 - ELEV. 418.625  
 1/4 REBAR 0.6 BELOW SURFACE, 10' WEST OF EDGE OF MD ROUTE 103 AND 80' NORTH OF E. OF KEGERER ROAD

SYMBOL	NO.	NAME	SIZE	REMARKS
	98	ACER SACCHARUM (SUGAR MAPLE)	2 1/2" CAL (MIN)	BALLED & BURLAPPED
	2	QUERCUS PHANEROPYRUM (WASHINGTON HAWTHORN)	2 1/2" CAL (MIN)	BALLED & BURLAPPED

PLAN REVISION NOTE: ON OR AROUND 4/20/2017 CAPITAL PROJECT D-1158, TITLED HEATHERLAND STREAM RESTORATION PROJECT, WAS CREATED TO RESTORE AN IMPAIRED SECTION OF STREAM CHANNEL, LOCATED APPROXIMATELY BETWEEN 8249 ELKO DRIVE AND 5506 HUNTING HORN DRIVE, ELLICOTT CITY, MD ILLUSTRATED WITHIN THE LIMITS OF THIS PLAN. AN ALTERNATIVE COMPLIANCE WAS PROCESSED THROUGH THE DEPARTMENT OF PLANNING AND ZONING UNDER WP-17-095, APPROVED ON 4/6/2017, TO WAIVER SECTIONS 16.155(A)(1)(II) AND 16.120(I)(N) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS SUBJECT TO 7 CONDITIONS OF APPROVAL. FOR THE DETAILED CONDITIONS OF APPROVAL AND THE CURRENT SITE CONDITIONS WITHIN THE DISTURBED AREA PLEASE SEE THE CAPITAL PROJECT PLANS.

# MONTGOMERY MEADOWS

## SECTION ONE, AREA SIX

### ROAD CONSTRUCTION DRAWINGS

#### 1ST ELECTION DISTRICT

#### HOWARD COUNTY, MARYLAND

**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.

*Thomas L. Wiley* 4/11/20  
 THOMAS L. WILEY, P.E. NO. 9278 DATE

**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

*Kenneth G. Malm* 4-12-20  
 KENNETH G. MALM, N.Y. LAND INC. DATE

*Joseph J. Smith* 4-19-20  
 JOSEPH J. SMITH, N.Y. LAND INC. DATE

*David B. Blot* 4/19/20  
 DAVID B. BLOT, N.Y. LAND INC. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James H. Gannon* 5/2/20  
 JAMES H. GANNON, CHIEF, LAND DEVELOPMENT DIVISION DATE

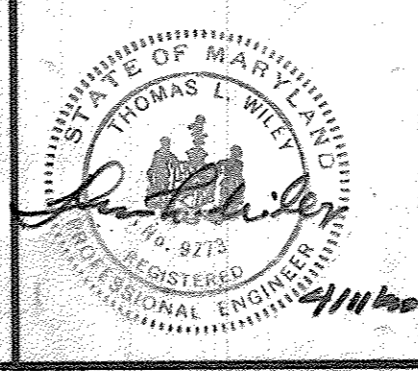
*Debra W. McLean* 4/30/20  
 DEBRA W. MCLEAN, CHIEF, BUREAU OF HIGHWAY DATE

*William J. Kelly* 5-2-20  
 WILLIAM J. KELLY, CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING  
*Mark S. Laugel* 5/14/20  
 MARK S. LAUGEL, CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

DESIGNED		DATE		BY		DESCRIPTION	
MLH	5-88	4-90	RAB	PER AGENCY COMMENTS			
SSB	5-88	4/20/2017	HOCD	REFERENCE NOTE TO CAP PROJ. D-1158			
RMT	5-88						
CRH	5-88						

**Dewberry & Davis**  
 ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS  
 3300 N. RIDGE ROAD  
 SUITE 100  
 ELLICOTT CITY, MD. 21043  
 (301) 461-7478



**OWNER / DEVELOPER**  
 MONTGOMERY MEADOWS GENERAL PARTNERSHIP  
 9175 GUILFORD ROAD, SUITE 302  
 COLUMBIA, MARYLAND 21046  
 (301) 604-1552

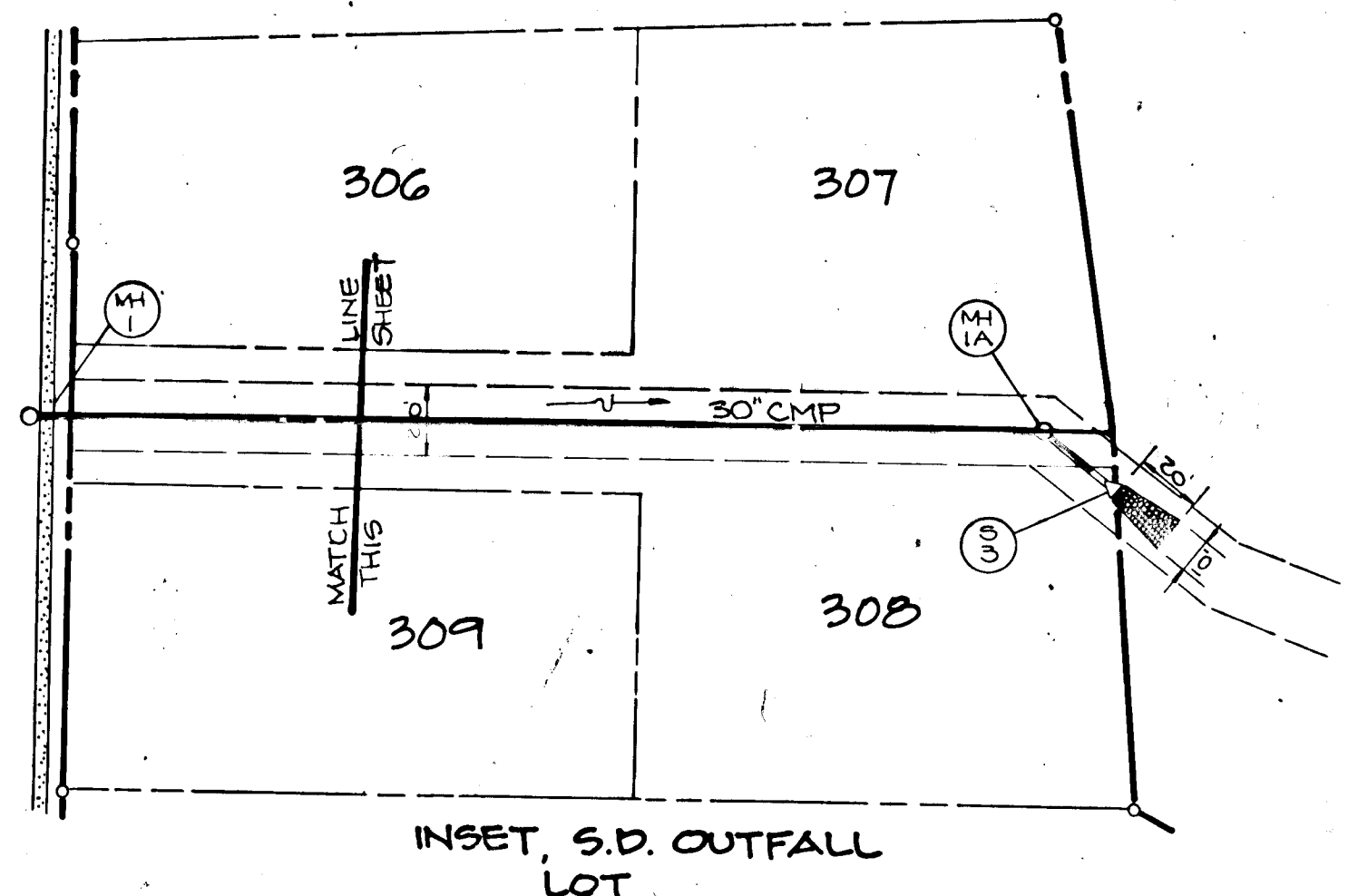
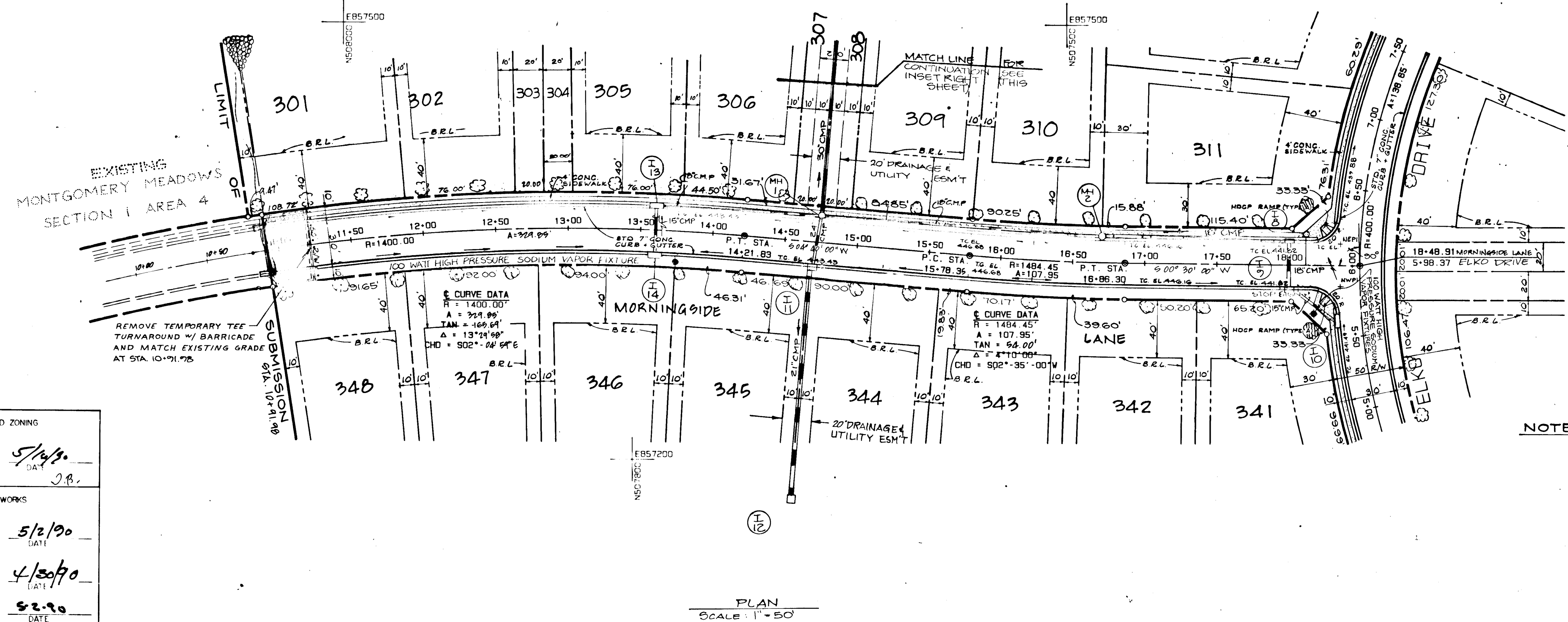
**TITLE SHEET**  
**MONTGOMERY MEADOWS**  
 SECTION ONE, AREA SIX  
 LOTS 301 THRU LOTS 351  
 TAX MAP 31 PARCEL 423  
 1st ELECTION DISTRICT HOWARD CO., MARYLAND  
 SCALE: AS SHOWN CONTRACT NO. FILE NO. SHEET 1 OF 9

1443

**LIGHTING LEGEND**

◆ TYPE "B"-100 WATT HIGH PRESSURE SODIUM VAPOR LAMP MOUNTED ON A 14' HIGH FIBERGLASS BRONZE POLE.

MARYLAND STATE GRID SYSTEM



NOTE: ELKO DRIVE PLAN AND PROFILE SEE SHEET 3 OF 9.

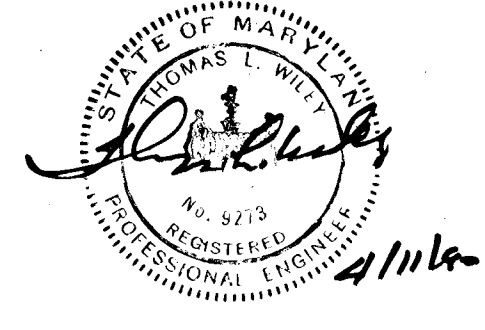
**MONTGOMERY MEADOWS**  
 SECTION ONE, AREA SIX  
 LOT 301 THRU 351  
 1ST ELECTION DISTRICT, HOWARD COUNTY, MARYLAND.

**PLAN AND PROFILE**  
 MORNINGSIDE LANE

OWNER / DEVELOPER  
 MONTGOMERY MEADOWS GENERAL PARTNERSHIP  
 9175 GUILFORD ROAD, SUITE 302  
 COLUMBIA, MARYLAND 21046  
 (301) 604-1552

SCALE AS SHOWN DATE MAY 6, 1998 SHEET 2 OF 9  
 DESIGNED BY TP DRAWN BY MLH CHECKED BY RMT

DEWBERRY & DAVIS  
 ENGINEERS ARCHITECTS PLANNERS SURVEYORS  
 3300 NORTH RIDGE ROAD  
 ELLICOTT CITY, MARYLAND 20845  
 (301) 461-7478

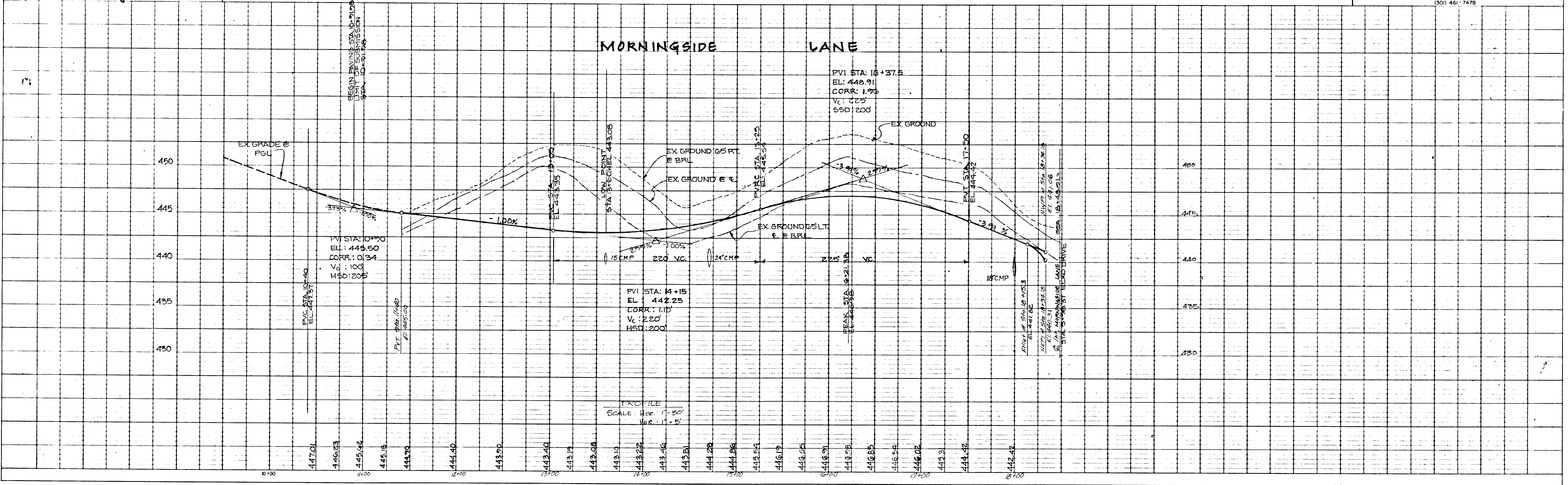


APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING  
 [Signature] 5/14/98  
 COMMUNITY PLANNING

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 [Signature] 5/2/98  
 [Signature] 4/20/98  
 [Signature] 5/2/98

PLAN SCALE: 1" = 50'

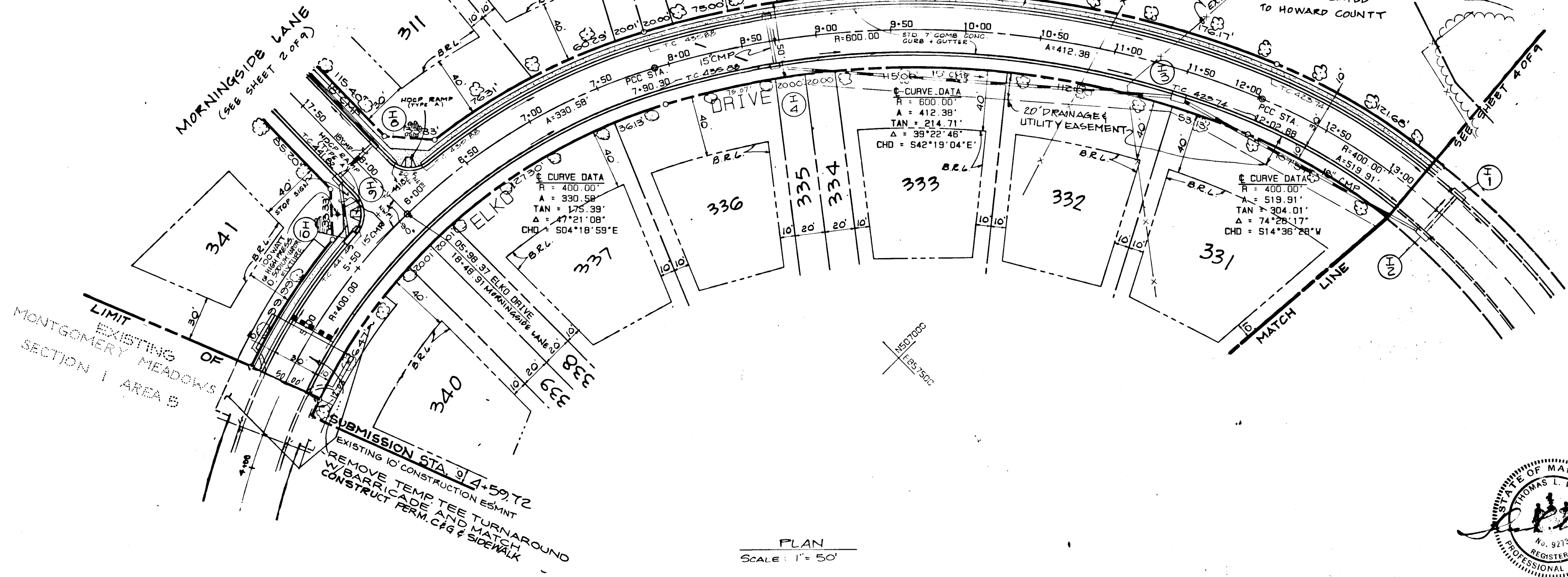
**MORNINGSIDE LANE**



PROFILE SCALE: HOR: 1" = 50' VER: 1" = 5'

5771

NOTE: PROFILE SEE SHEET 2 OF 9



PLAN  
SCALE: 1" = 50'

**MONTGOMERY MEADOWS**  
SECTION ONE, AREA SIX  
LOTS 301 THRU 331  
1st ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

**PLAN AND PROFILE**  
ELKO DRIVE

OWNER / DEVELOPER  
MONTGOMERY MEADOWS GENERAL PARTNERSHIP  
9175 GUILFORD ROAD, SUITE 302  
COLUMBIA, MARYLAND 21046  
(301) 604-1552

SCALE AS SHOWN DATE MAY 20, 2008 SHEET 3 OF 9  
DESIGNED BY TP DRAWN BY MLH CHECKED BY KMT

DEWBERRY & DAVIS  
ENGINEERS ARCHITECTS PLANNERS SURVEYORS  
3300 NORTH RIDGE ROAD  
ELLICOTT CITY, MARYLAND 20834  
(301) 461-7478

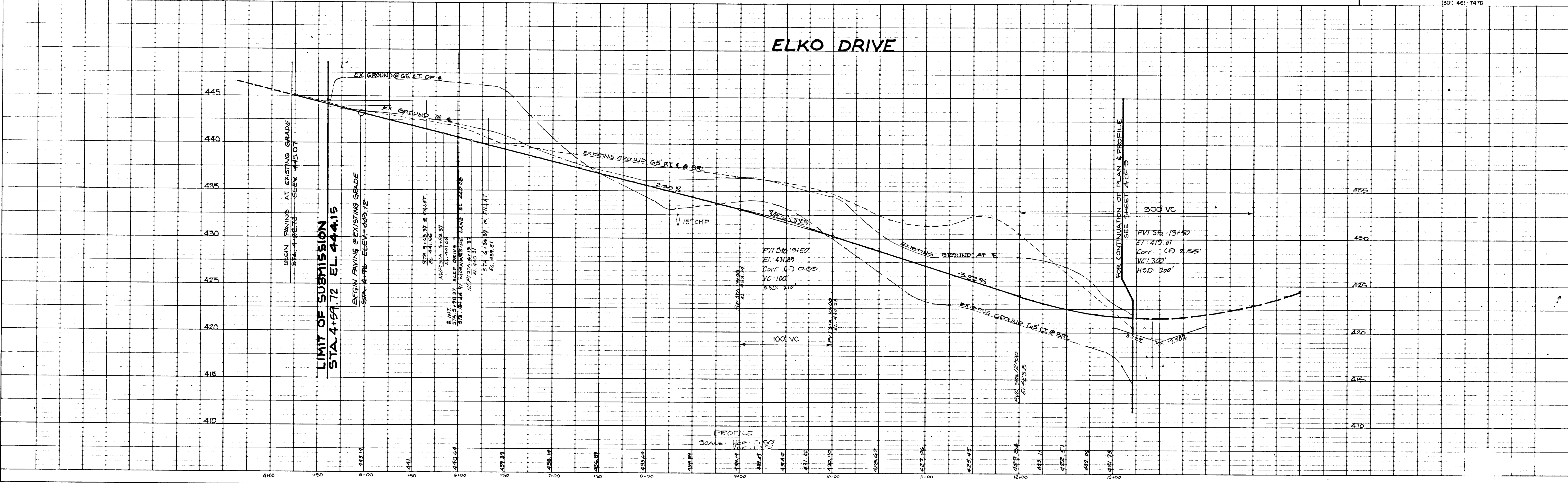


APPROVED HOWARD COUNTY DEPT. OF PLANNING AND ZONING  
*Frank S. Taylor* 5/14/08  
SENIOR COMMUNITY PLANNER  
LAND DEVELOPMENT

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Arnold J. Sepon* 5/2/08  
DATE

*Francis W. Weiland* 4/30/08  
DATE

CHIEF, DEPT. OF ENGINEERING



PROFILE  
SCALE: 1" = 10'

HIGHWAY FEDERAL AID SHEET  
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE  
PRINTED IN U.S.A.

PLAN  
SUPERVISOR  
NOTED  
NOTE BOOK  
NO.

PROFILE  
SUPERVISOR  
NOTED  
NOTE BOOK  
NO.

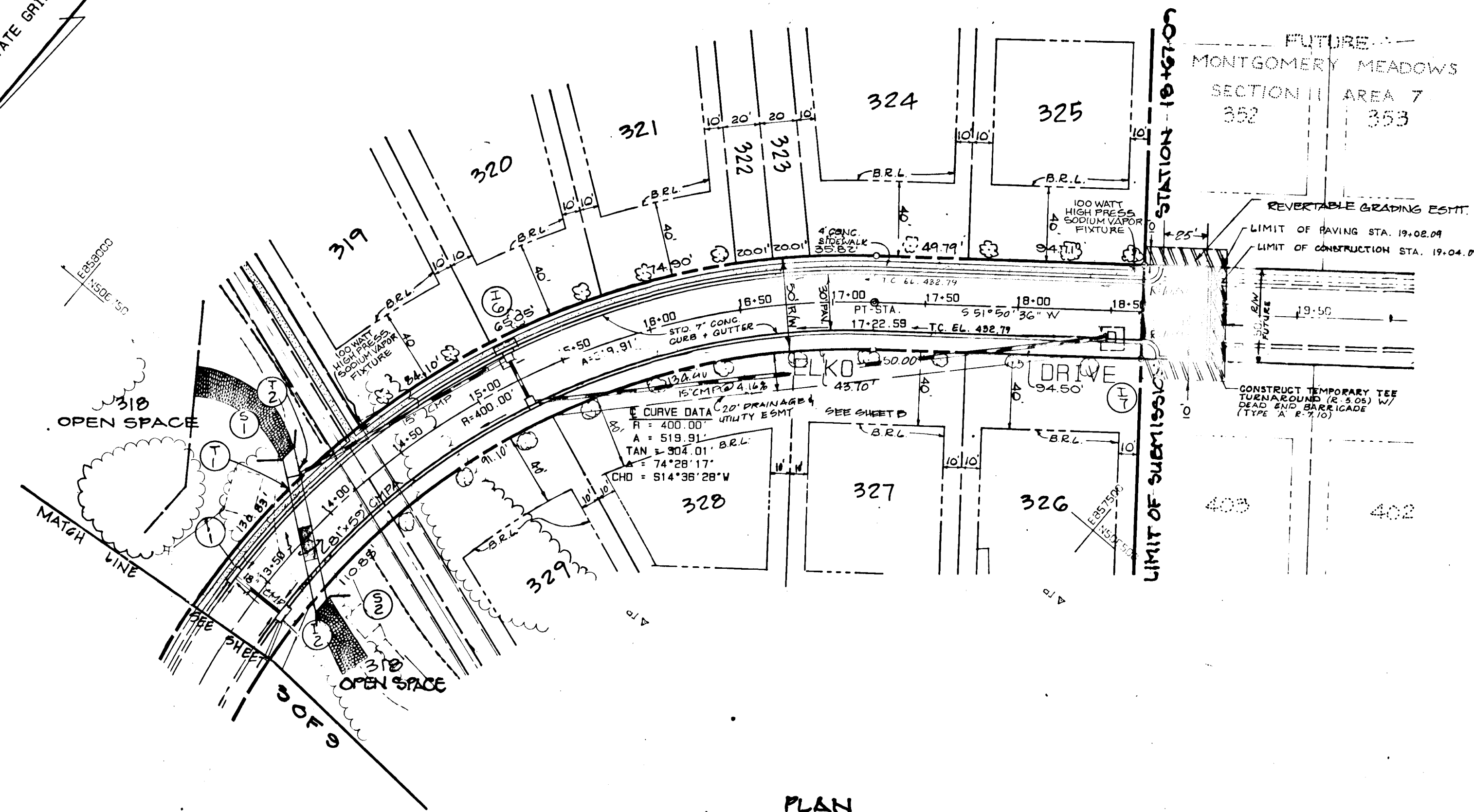
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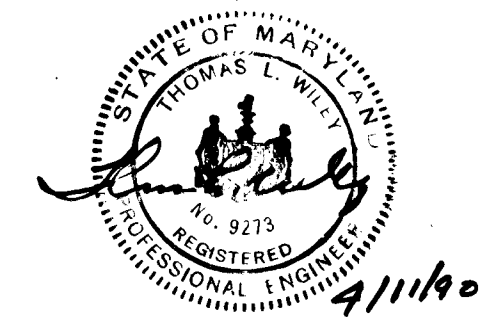
PLAN  
 SHEET NO. BY DATE  
 NOTE BOOK ALIGNMENT CHECKED BY DATE  
 NO. BY DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING  
*Jack S. Taylor* 5/16/90  
 COMMUNITY PLANNING  
 AN: LAND DEVELOPMENT  
 APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Donald W. Zepan* 5/2/90  
*Erwin W. Weiland* 4/30/90  
*William B. Rely* 5-2-90  
 DATE

MARYLAND STATE GRID SYSTEM



PLAN  
 SCALE: 1" = 50'



**MONTGOMERY MEADOWS**  
 SECTION ONE, AREA SIX  
 LOTS 301 THRU 351  
 1st ELECTION DISTRICT, HOWARD COUNTY, MARYLAND.

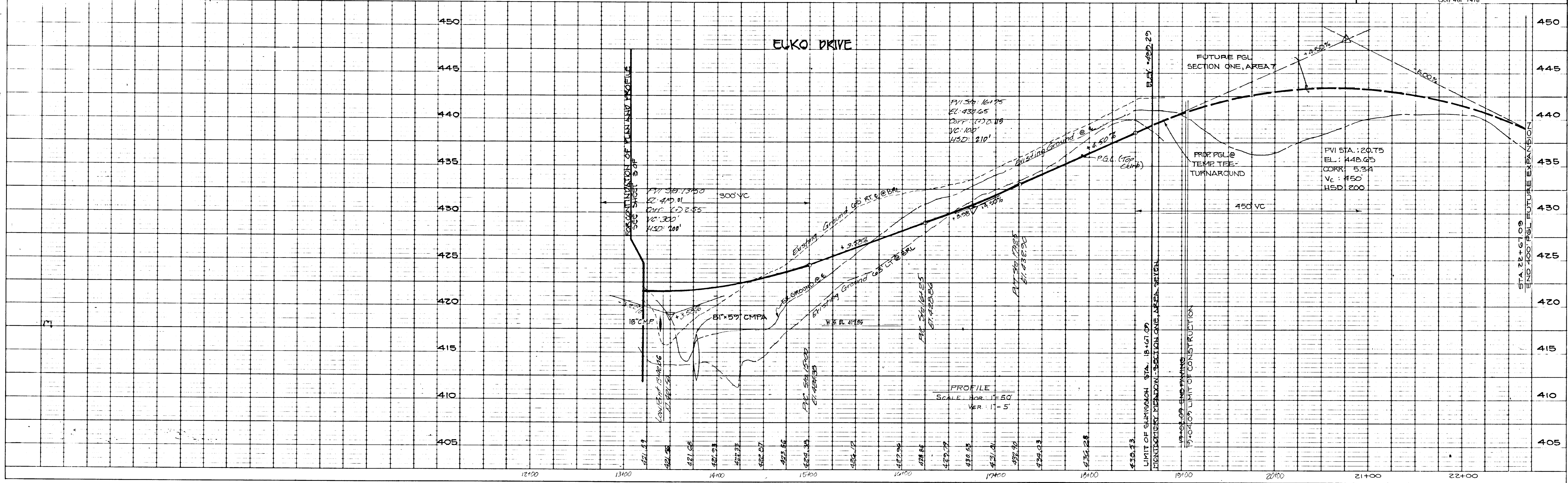
**PLAN AND PROFILE**  
 ELKO DRIVE

OWNER / DEVELOPER  
 MONTGOMERY MEADOWS GENERAL PARTNERSHIP  
 9175 GUILFORD ROAD, SUITE 302  
 COLUMBIA, MARYLAND 21046  
 (301) 604-1552

SCALE(S) SHOWN: DATE APRIL 1988 SHEET 4 OF 9  
 DESIGNED BY: TP DRAWN BY: FAB/MLH CHECKED BY: KMT

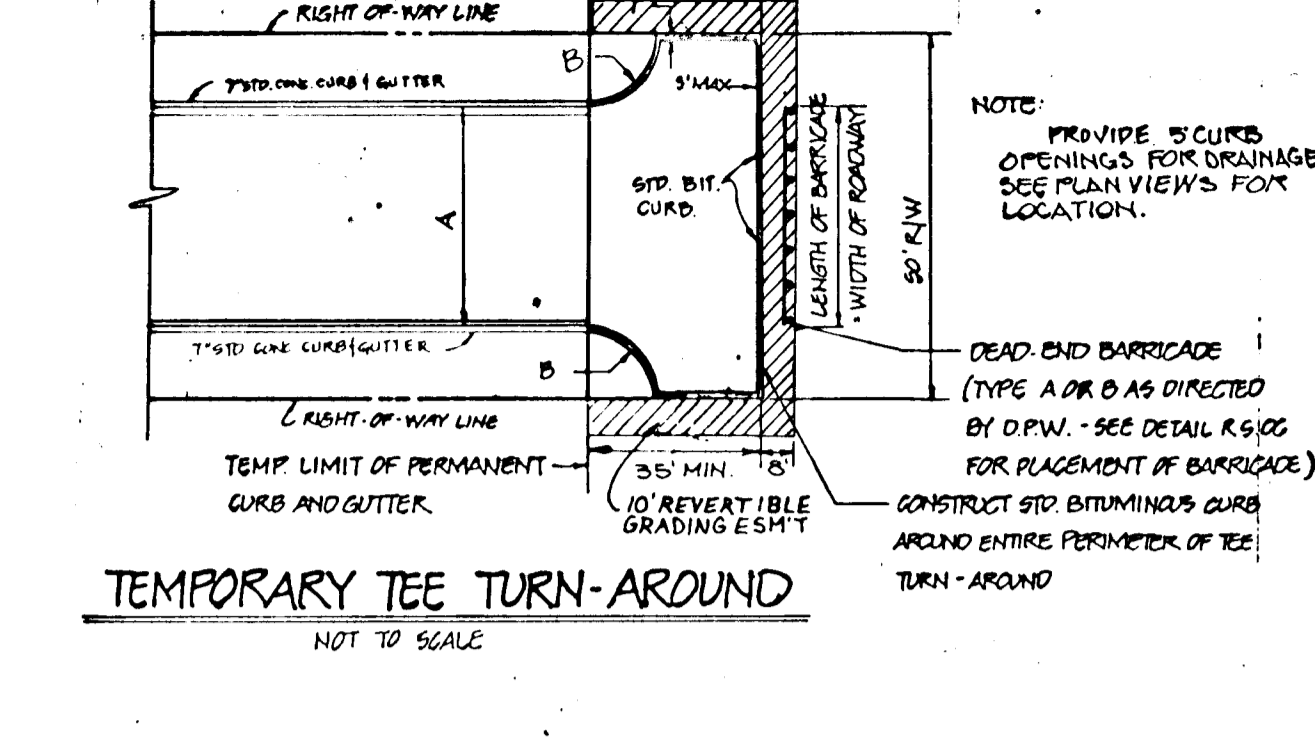
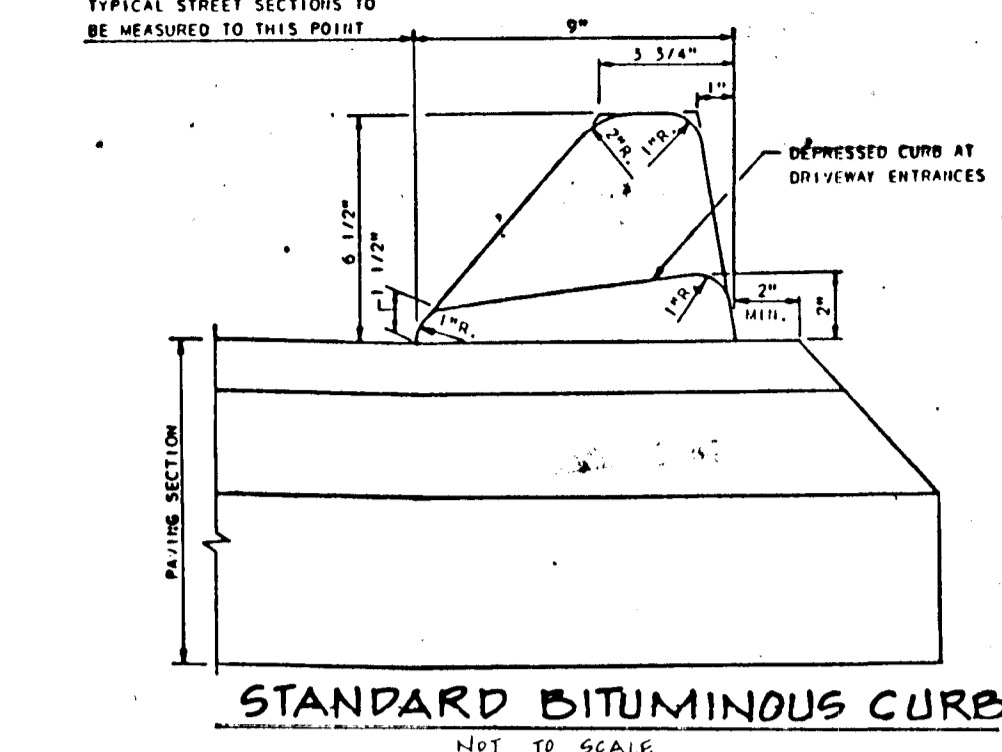
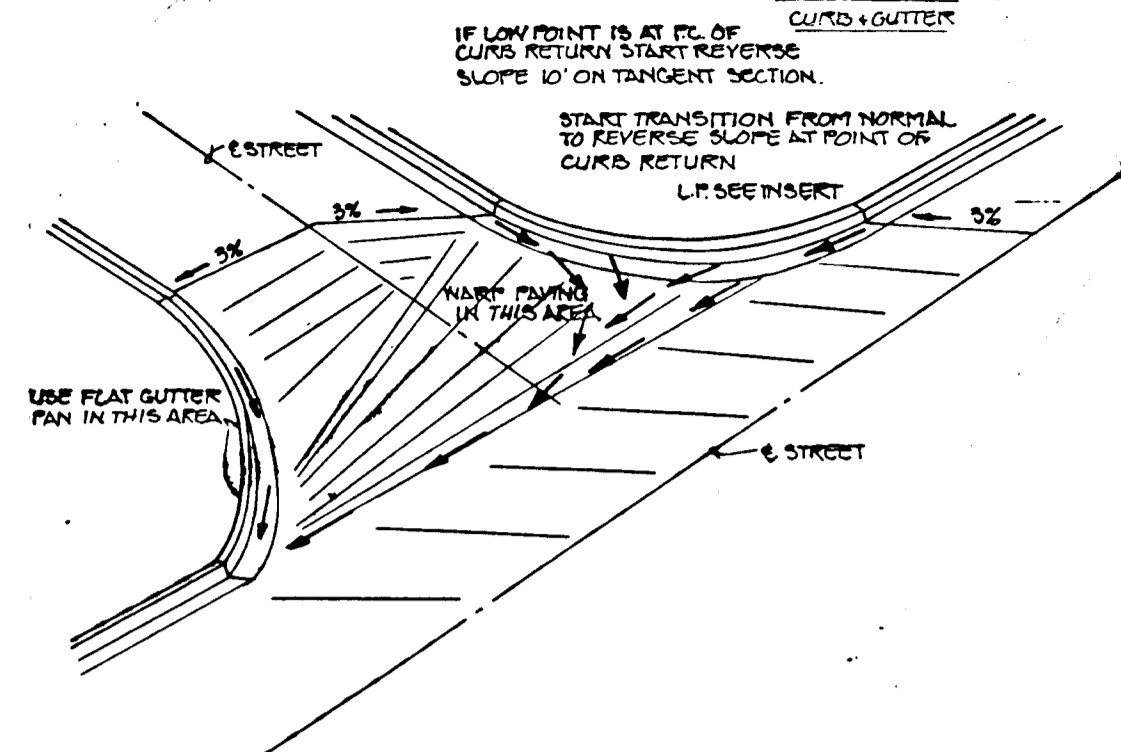
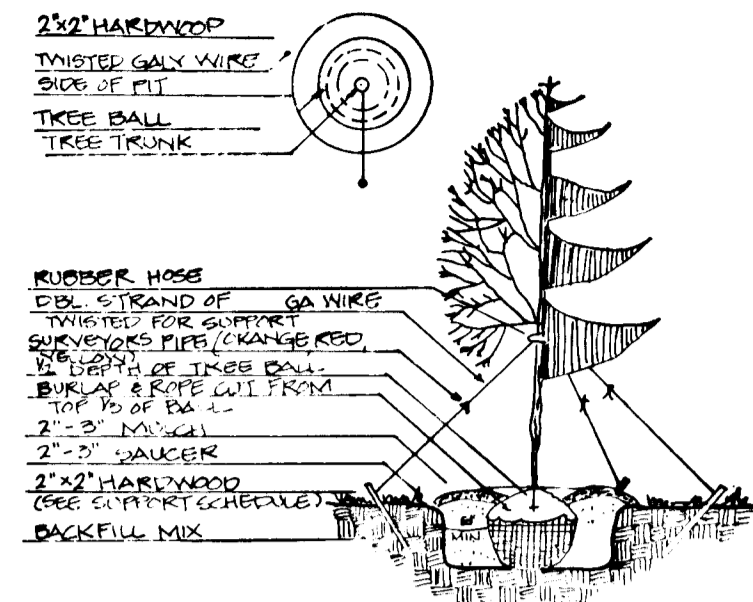
DEWBERRY & DAVIS  
 ENGINEERS ARCHITECTS PLANNERS SURVEYORS  
 3300 NORTH RIDGE ROAD  
 ELLICOTT CITY, MARYLAND 21043  
 (301) 461-7478

PROFILE  
 SHEET NO. BY DATE  
 NOTE BOOK GRADE CHECKED BY DATE  
 NO. BY DATE  
 ELEVATION REGULATIONS CHECKED



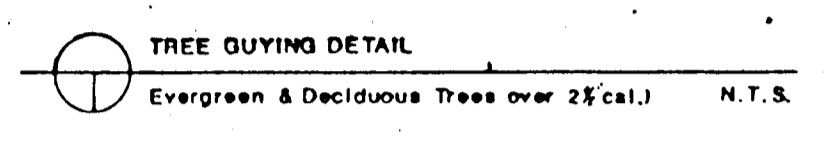
PROFILE  
 SCALE: Hor: 1" = 50'  
 VER: 1" = 5'

5771



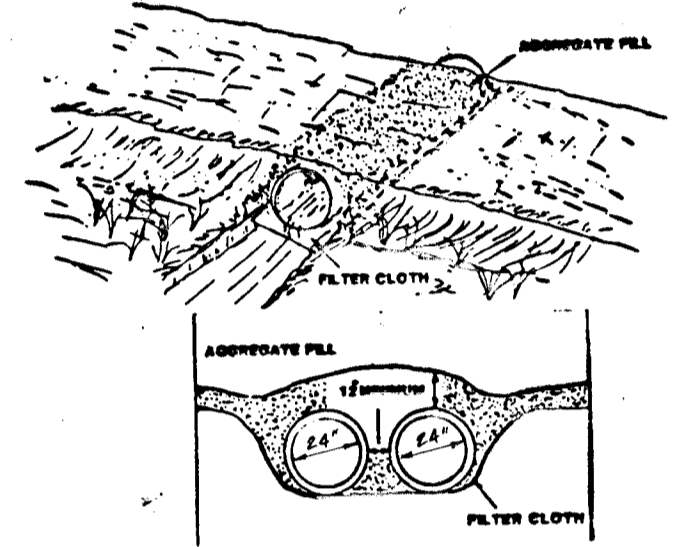
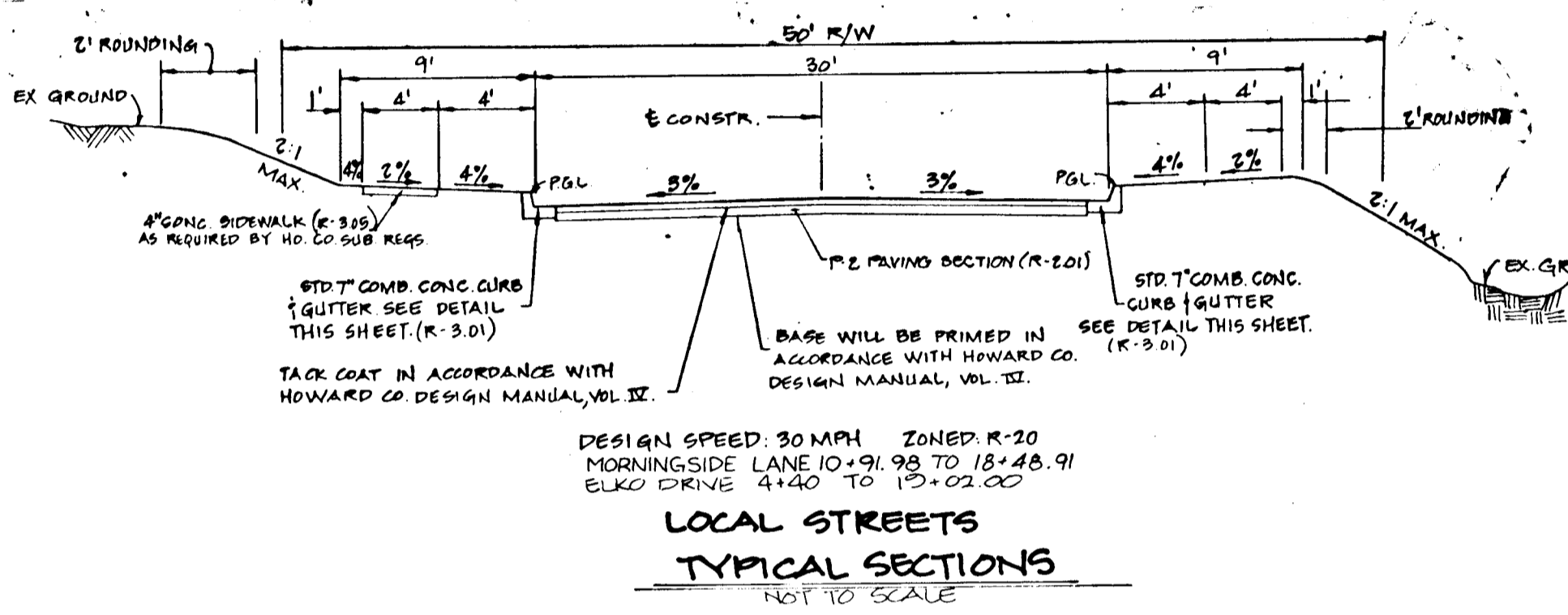
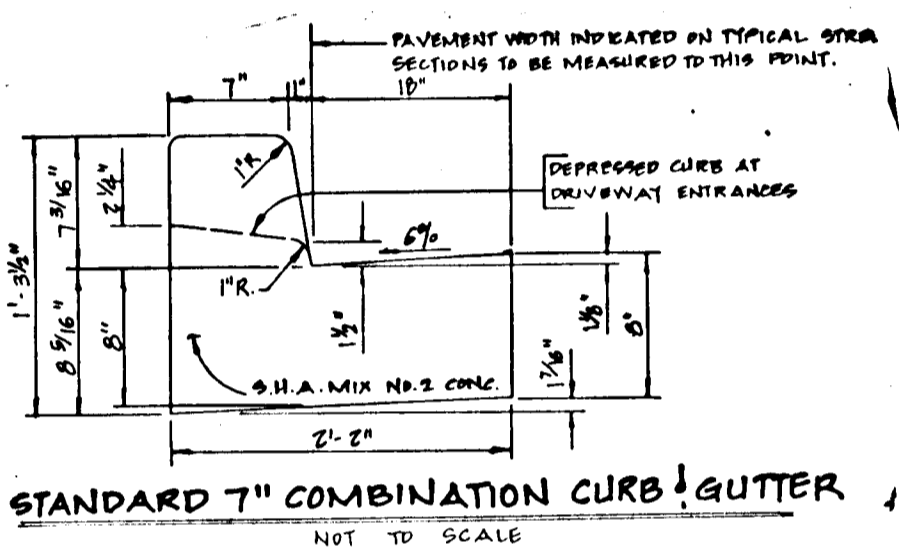
STRUCTURE SCHEDULE						
STR. #	LOCATION	TOPEL INV.	IN/OUT	STR. TYPE	REMARKS	
I-1	ELKO DRIVE 13+40(15 L)	421.56	411.01	A-5	SD 4.01	
I-2	ELKO DRIVE 13+40(15 R)	421.56	418.00	A-5	SD 4.01	
I-3	ELKO DRIVE 11+80(15 R)	425.48	422.20	A-10	SD 4.02	
I-4	ELKO DRIVE 8+70(15 R)	434.00	427.70	A-10	SD 4.02	
I-5	ELKO DRIVE 8+70(15 L)	434.00	427.70	A-10	SD 4.02	
I-6	ELKO DRIVE 15+25(15 L)	424.70	421.15	A-10	SD 4.32	
I-7	ELKO DRIVE 15+50(15 R)	437.79	434.38	A-10	SD 4.32	
I-8	MORNINGSIDE LA. 13+00(15 R)	442.45	438.28	A-10	SD 4.02	
I-9	MORNINGSIDE LA. 13+00(15 L)	442.45	438.72	A-10	SD 4.02	
I-10	ELKO DRIVE 5+60(15 L)	441.70	439.05	A-10	SD 4.02	
I-11	MORNINGSIDE LA. 14+70(15 R)	443.90	440.05	A-10	SD 4.02	
I-12	BETWEEN LOTS 344 345 & 346	452.00	448.75	D	SD 4.11	
I-13	MORNINGSIDE LA. 13+60(15 L)	443.00	437.50	A-5	SD 4.01	
I-14	MORNINGSIDE LA. 13+60(15 R)	443.00	437.50	A-5	SD 4.01	
MH 1	MORNINGSIDE LA. 14+73(15 R)	444.00	438.75	STD. MH	G 5.02	
MH 2	MORNINGSIDE LA. 16+70(15 L)	446.55	437.00	STD. MH	G 5.01	
S 1	ELKO DRIVE 13+82 (42 L)		411.60	HEADWALL	MD A16.02	
S 2	ELKO DRIVE 13+82 (42 R)		419.20	HEADWALL	MD A16.02	
S 3	REAR LOT LINES (301 & 302)		438.02	STD. E.S.	SD 4.32	
I-6A	ELKO DRIVE 15+25 (15 L)	424.70	421.47	A-10	SD 4.32	
MH 1A	MORNINGSIDE LA. 14+73 (15 R)	444.37	438.75	STD. MH	G 5.02	

PROVIDE 3' TYPICAL OPENINGS (NORTH SOUTH & EAST)



Contractor shall verify location of underground utilities prior to digging. Final location of trees may be adjusted slightly to accommodate field conditions. Planting procedures shall comply with "Landscape Specifications for Baltimore - Washington Metropolitan Areas." Substitutions to the above species may be permitted, provided that the planting is in accordance with the tree and landscape requirements as specified in section 16.111 of the Howard County Subdivision Regulations.

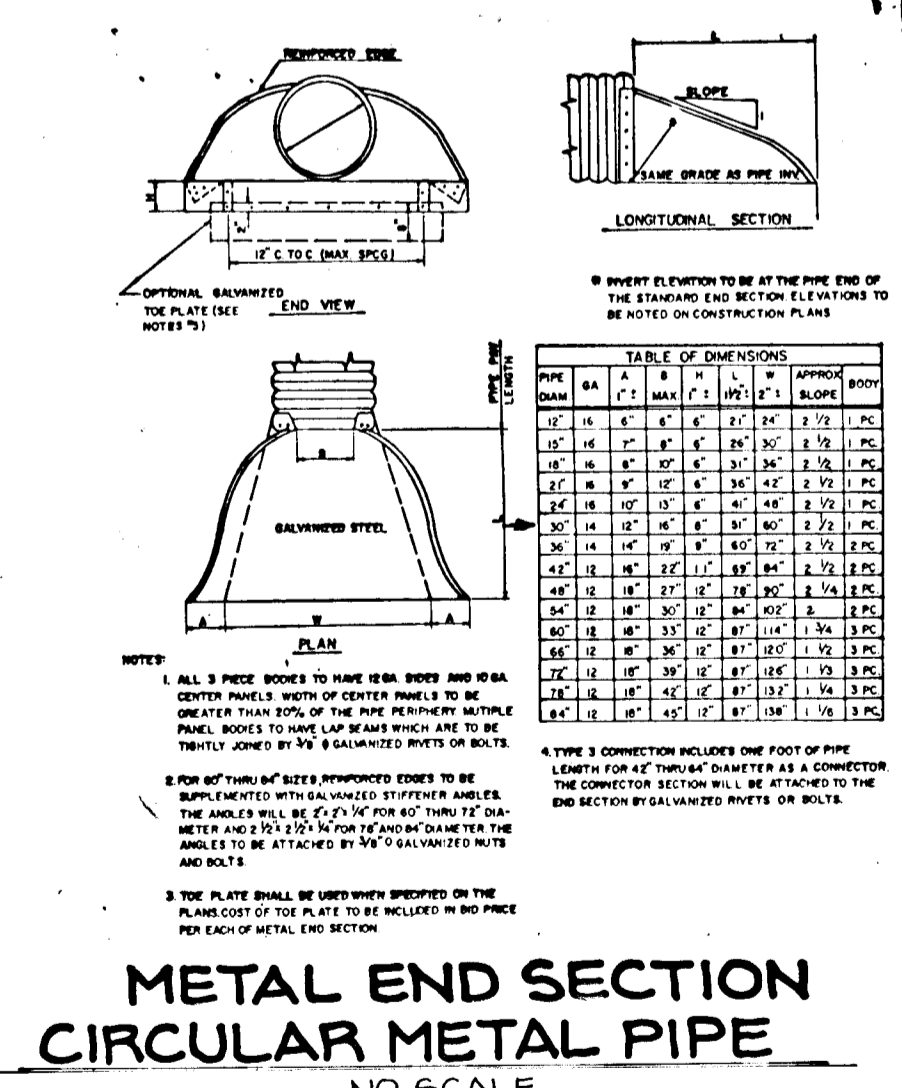
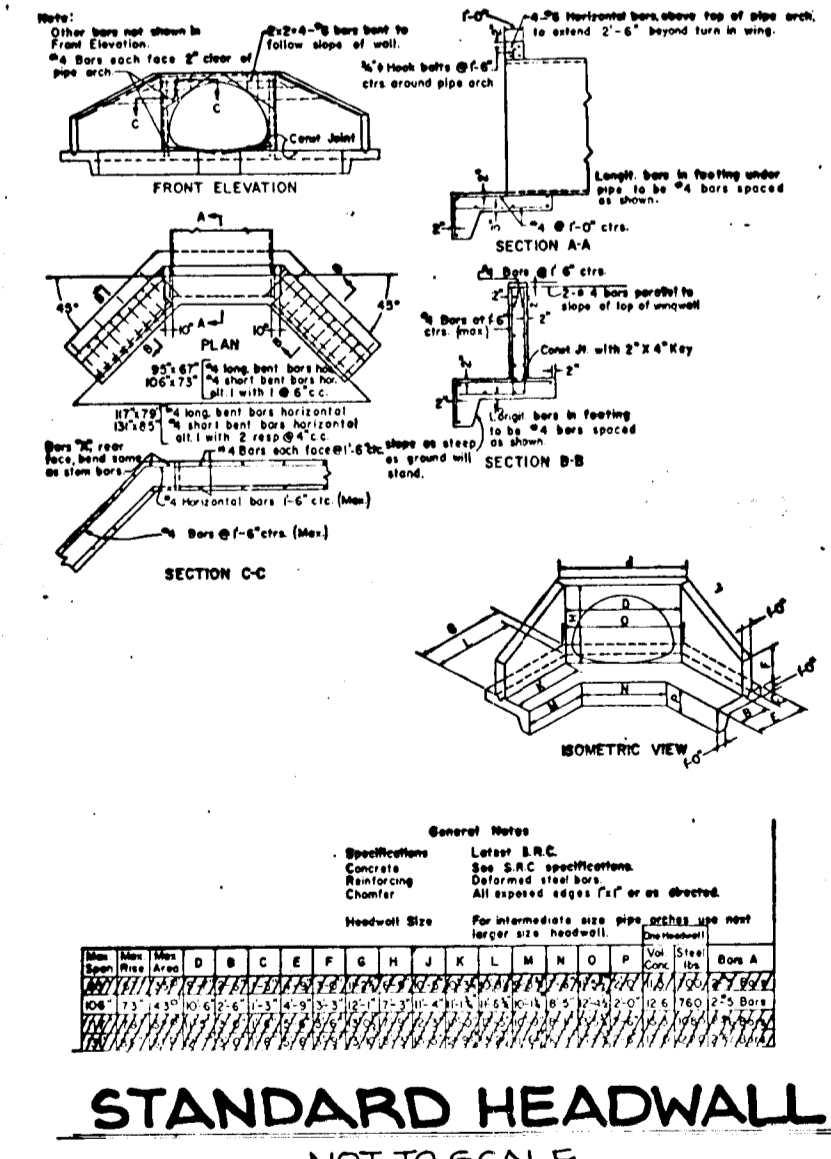
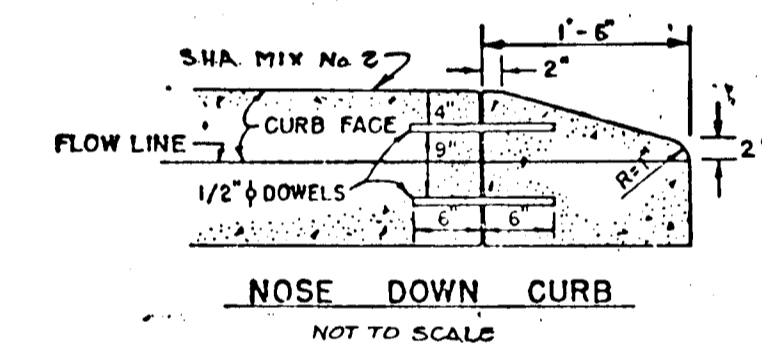
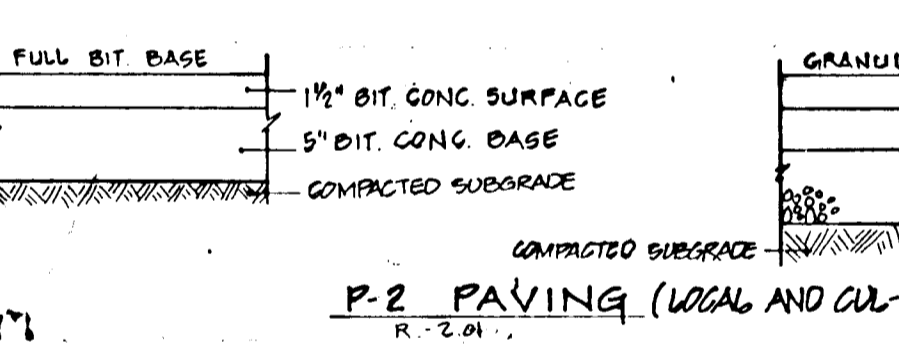
INDICATES APPROXIMATE LOCATION PLANTED 10' ON CENTER.



### TEMPORARY ACCESS CULVERT (ELKO DRIVE)

NOT TO SCALE

- Construction Specifications**
- Restrictions** - No construction or removal of a temporary access culvert will be permitted between October 1 through April 30 for all Class III and Class IV Tract Areas or between March 15 through June 15 for non-trout waterways.
  - Culvert Strength** - All culverts shall be strong enough to support their cross-sectional area under maximum expected loads.
  - Culvert Size** - The size of the culvert pipe shall be the largest size diameter that will fit into the existing channel without major excavation of the waterway channel or without major approach fills. If a channel is narrower than 3 feet, additional pipe may be used to fill the cross-sectional area of the pipe is greater than 40 inches. The minimum size culvert that may be used is a 12" diameter pipe.
  - Culvert Length** - The culvert(s) shall extend a minimum of one foot beyond the upstream and downstream toe of the aggregate placed around the culvert. In no case shall the culvert exceed 50 feet in length.
  - Filter Cloth** - Filter cloth shall be placed on the streambed and approach areas prior to placement of the pipe (see details). The filter cloth shall extend the entire length of the culvert and approach areas. The filter cloth shall extend a minimum six inches and a maximum one foot beyond the end of the culvert and bedding material. Filter cloth extends perforations and improves crossing stability.
  - Culvert Placement** - The invert elevation of the culvert shall be installed on the natural streambed grade to minimize interference with fish migration (free passage of fish).
  - Culvert Protection** - The culvert(s) shall be covered with a minimum of one foot of aggregate. If multiple culverts are used they shall be separated by at least 12" of compacted aggregate fill. At a minimum, the bedding and fill material used in the construction of the temporary access culvert crossings shall conform with the aggregate requirements cited in Section 1.6.1 above.
  - Stabilization** - All areas disturbed during culvert installation shall be stabilized within 14 calendar days of the disturbance in accordance with the Standard for "Critical Area Stabilization With Permanent Seeding."



### DIVERSION CHANNEL @ CULVERT CROSSING (ELKO DRIVE)

NOT TO SCALE

- 1. Restrictions**
- The work shall consist of installing a flow diversion structure when construction on existing lots gives within the stream channel such as culvert construction or culvert replacement.
- 2. Material Specifications**
- Headwall: Headwalls shall consist of concrete which are resistant to alkali-silica reaction, bearing and erosion and cover lightly enough to prevent loss of fill.
  - Structure: Structure shall be masonry and have a minimum diameter of 18" (6" inches).
  - Sheetpiling: Sheetpiling shall consist of polypropylene or other material with a minimum diameter of 18" (6" inches).
- 3. Installation/Construction**
- All 3" pipe shall have 18" x 18" x 18" concrete apron and riprap apron. The riprap apron shall be constructed with a minimum of 18" x 18" x 18" riprap. The riprap shall be placed on a smooth, prepared surface.
  - All concrete aprons shall be placed on a 12" x 12" x 12" concrete apron and riprap apron. The riprap apron shall be constructed with a minimum of 18" x 18" x 18" riprap. The riprap shall be placed on a smooth, prepared surface.
  - All concrete aprons shall be placed on a 12" x 12" x 12" concrete apron and riprap apron. The riprap apron shall be constructed with a minimum of 18" x 18" x 18" riprap. The riprap shall be placed on a smooth, prepared surface.
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  - All concrete aprons shall be placed on a 12" x 12" x 12" concrete apron and riprap apron. The riprap apron shall be constructed with a minimum of 18" x 18" x 18" riprap. The riprap shall be placed on a smooth, prepared surface.
- 4. Final Stabilization**
- All areas disturbed during culvert removal shall be stabilized within 14 calendar days of the disturbance in accordance with the Standard for "Critical Area Stabilization With Permanent Seeding."

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: HOWARD COUNTY DEPARTMENT OF ENGINEERING

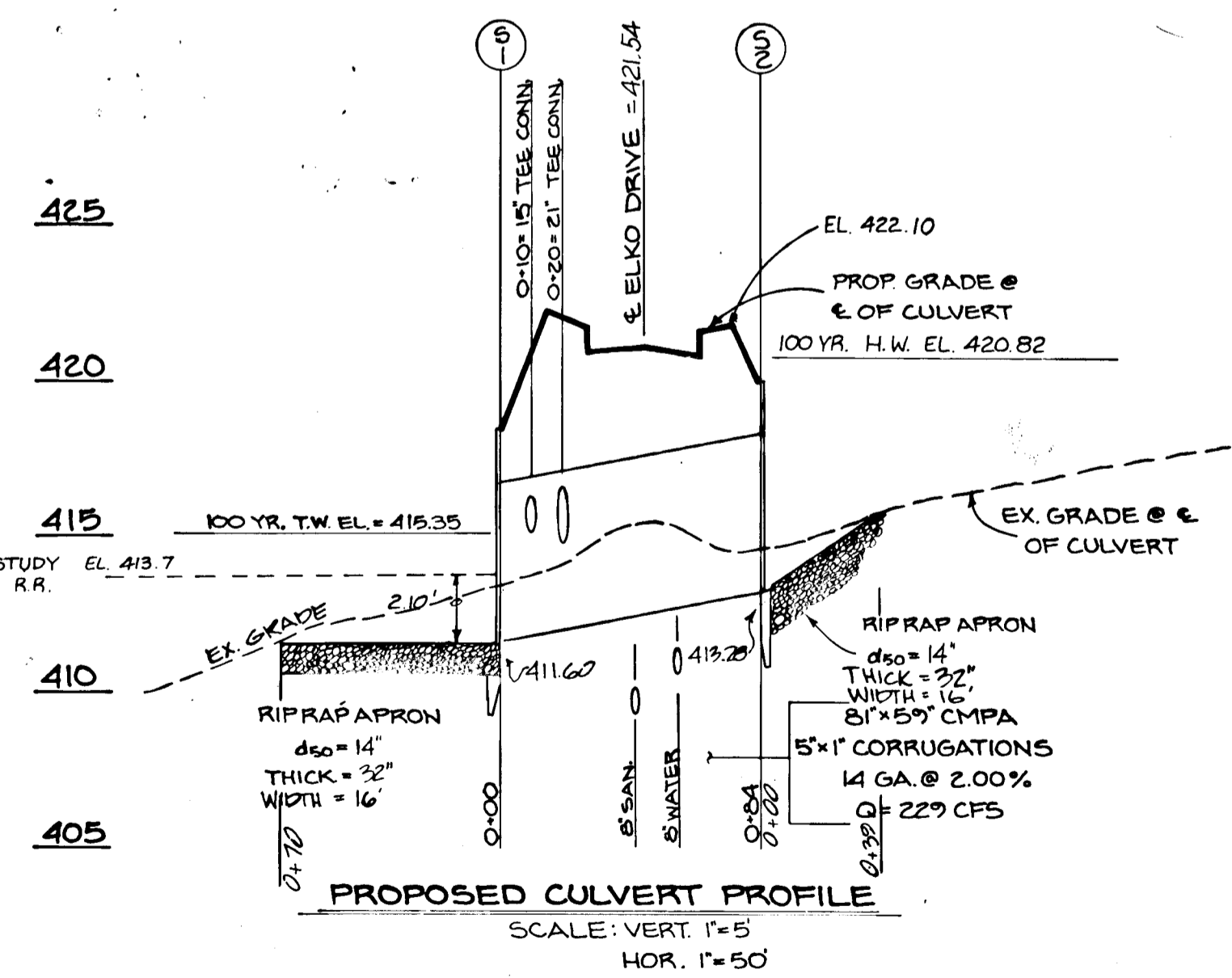
DATE: 4-19-90

DATE: 5/19/90

DATE: 5/2/90

DATE: 4/30/90

DATE: 5-2-90



DESIGNED	DATE	BY	DESCRIPTION
	4-90	KAB	PROFILE S2 TO S1, STR. SCHEDULE
DRAWN			
CHECKED			
APPROVED			

**Dewberry & Davis**

ENGINEERS - ARCHITECTS - PLANNERS - SURVEYORS

3300 N. RIDGE ROAD, SUITE 100  
ELLICOTT CITY, MD. 21043  
(301) 461-7478



**OWNER / DEVELOPER**

MONTGOMERY MEADOWS GENERAL PARTNERSHIP

9175 GUILFORD ROAD, SUITE 302  
COLUMBIA, MARYLAND 21046  
(301) 604-1552

**ROAD SECTIONS & DETAILS**

**MONTGOMERY MEADOWS**

SECTION ONE, AREA SIX

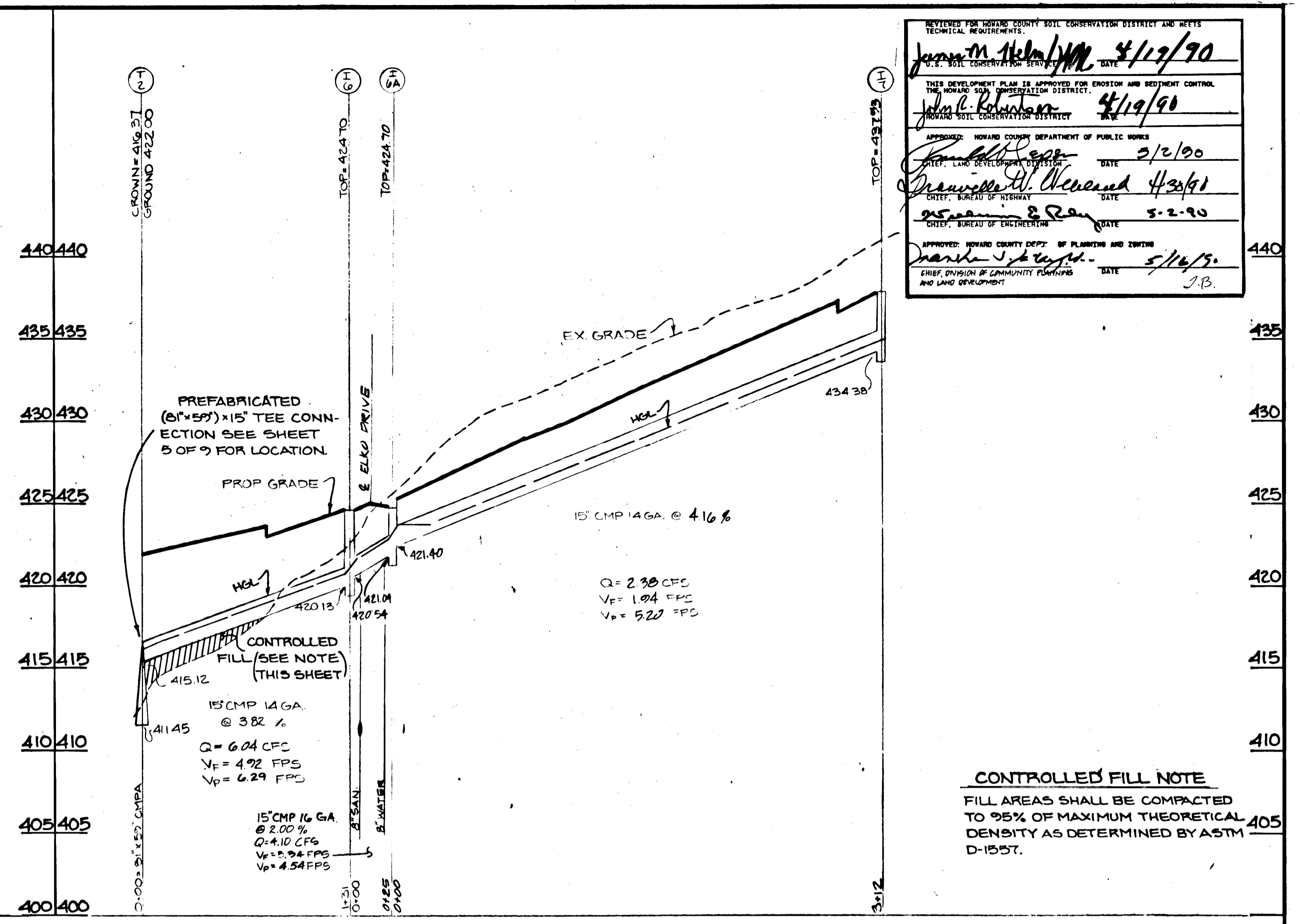
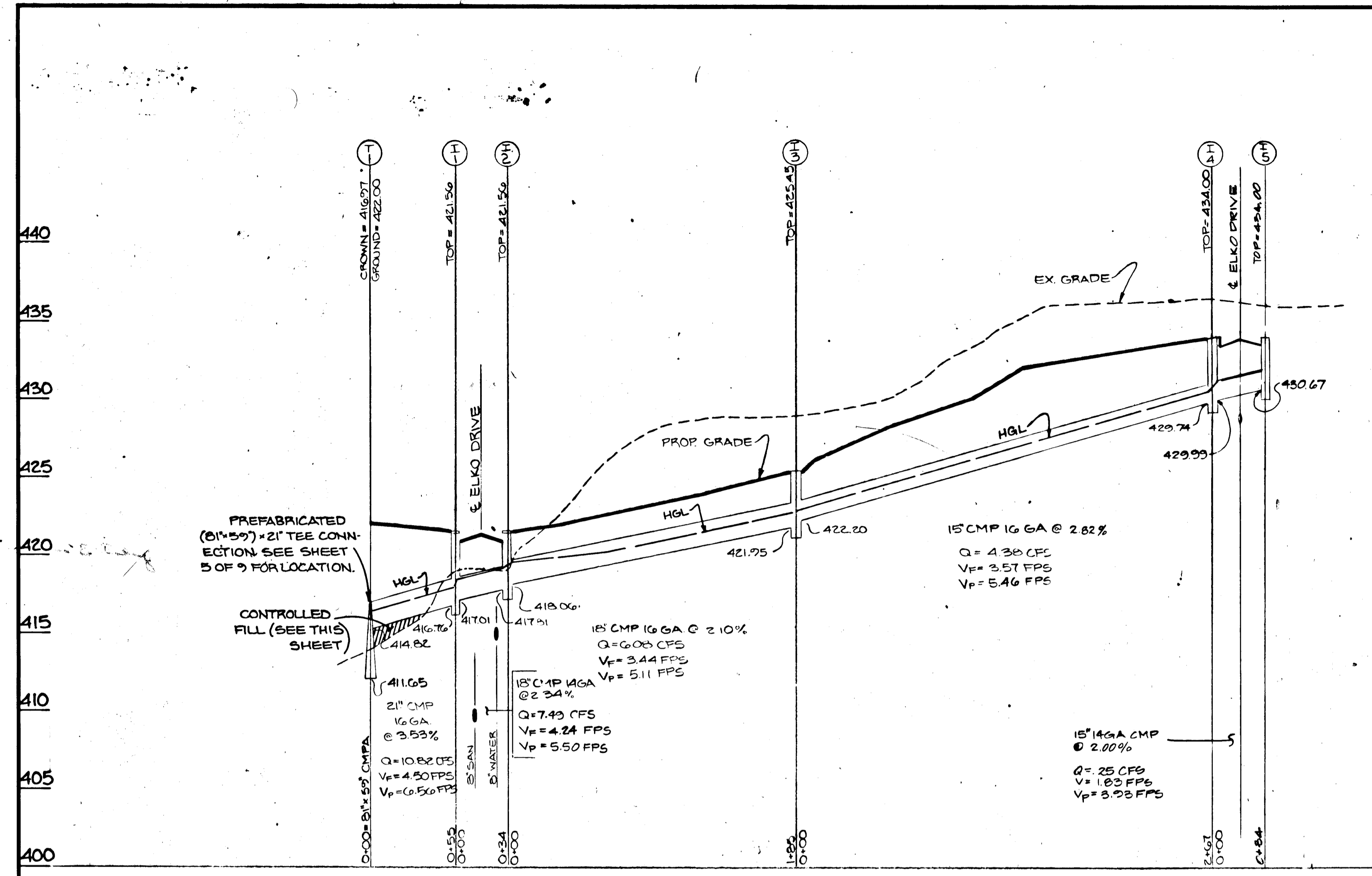
LOTS 301 THRU 351

1ST ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

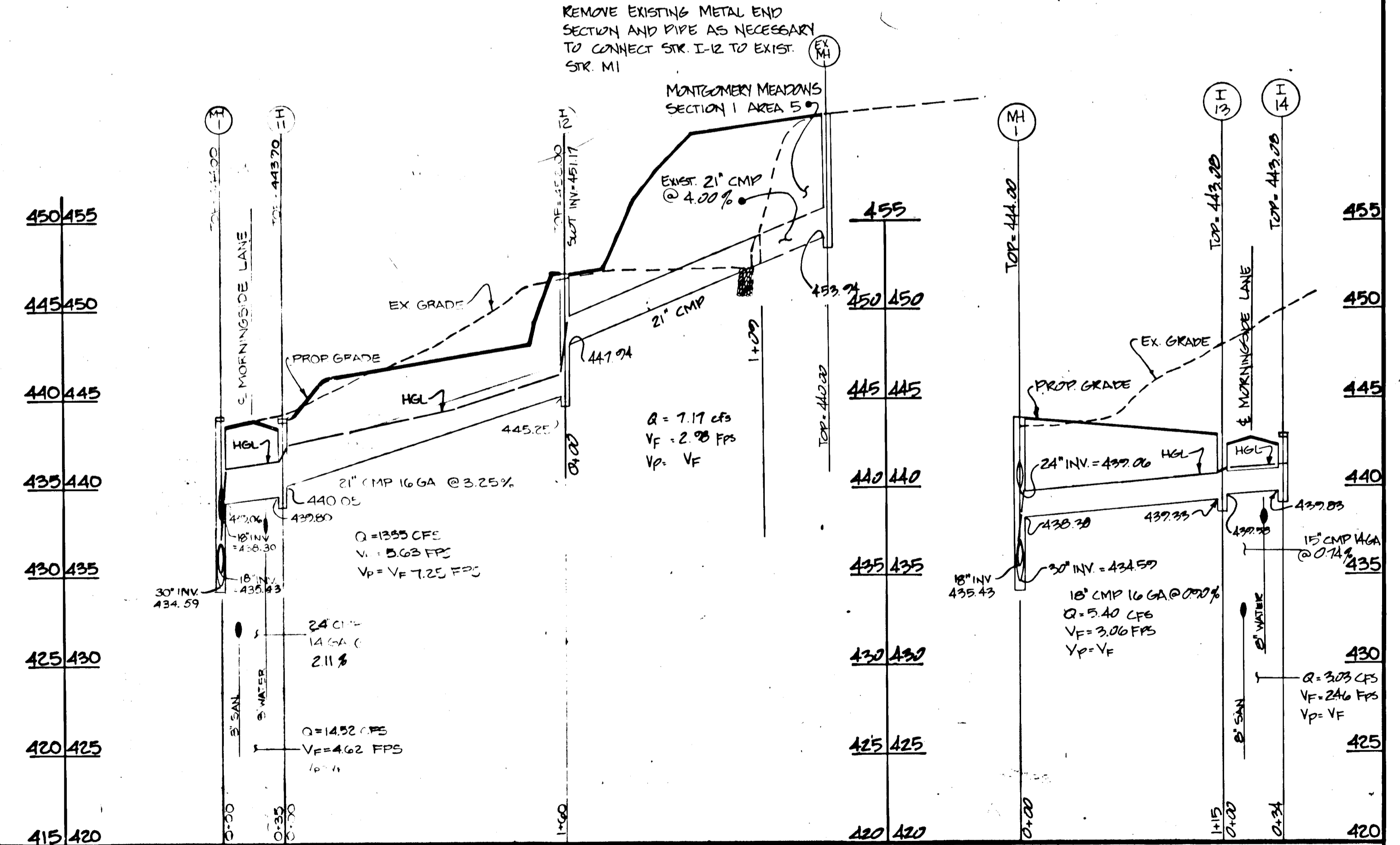
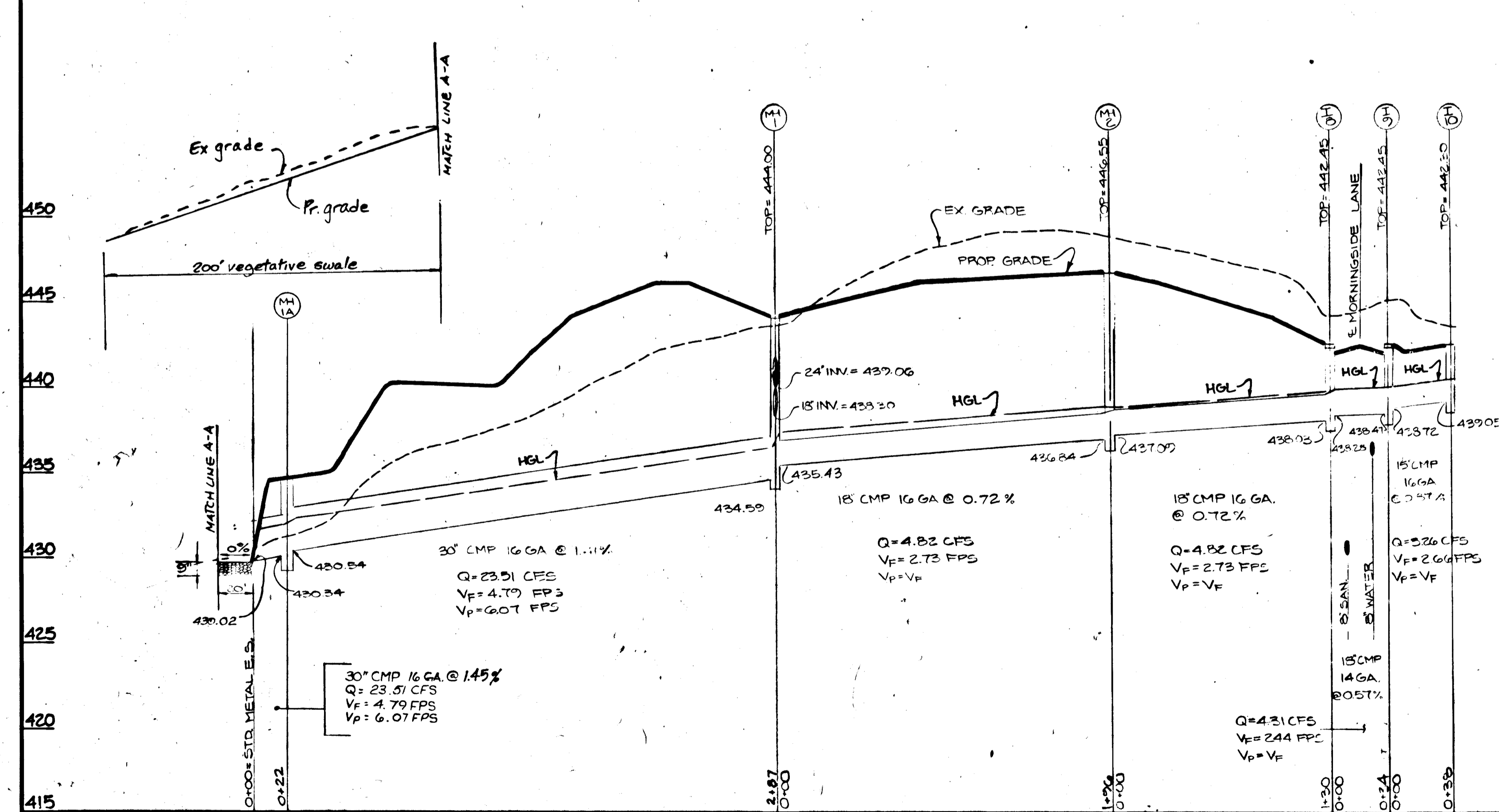
SCALE: \_\_\_\_\_ CONTRACT NO. \_\_\_\_\_ FILE NO. \_\_\_\_\_ SHEET 5 OF 9

1443

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METTS TECHNICAL REQUIREMENTS:  
 J. M. H. H. 4/19/90  
 U.S. SOIL CONSERVATION SERVICE DATE  
 J. M. H. H. 4/19/90  
 U.S. SOIL CONSERVATION SERVICE DATE  
 APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 J. M. H. H. 5/2/90  
 DATE  
 APPROVED: J. M. H. H. 4/30/91  
 DATE  
 APPROVED: J. M. H. H. 5-2-90  
 DATE  
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING  
 J. M. H. H. 5/14/91  
 DATE  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
 J.B.



**CONTROLLED FILL NOTE**  
 FILL AREAS SHALL BE COMPACTED TO 95% OF MAXIMUM THEORETICAL DENSITY AS DETERMINED BY ASTM D-1557.



DESIGNED		DATE		REVISIONS	
DAN TICE	3-89	DATE	BY	DESCRIPTION	
M. SWEADNER	3-7-89	4-90	KAB	REV. PROFILE UPSTREAM OF I-12	
CHECKED					
APPROVED					

**Dewberry & Davis**  
 ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS  
 3300 NORTH RIDGE ROAD  
 ELLICOTT CITY, MD. 21043  
 (301) 461-7478



**OWNER & DEVELOPER**  
 MONTGOMERY MEADOWS GENERAL PARTNERSHIP  
 9175 GUILFORD ROAD, SUITE 302  
 COLUMBIA, MARYLAND 21046  
 (301) 604-1552

**STORM DRAIN PROFILES**  
**MONTGOMERY MEADOWS**  
 SECTION ONE, AREA SIX  
 LOTS 301 THRU 351  
 1ST ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

VERT. 1"=5'  
 SCALE HOR. 1"=50'  
 CONTRACT NO.  
 FILE NO. F-006/EC  
 SHEET 6 OF 9

**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 SOILS CONSERVATION DISTRICT  
 Thomas L. Willey 4/11/90  
 THOMAS L. WILEY, MD REG NO 9275 DATE

**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOILS CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.  
 Kenneth S. Malm 4/12/90  
 KENNETH S. MALM, CIV. ENGR. DATE

**REVIEWED FOR HOWARD COUNTY SOILS CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS**  
 James H. Johnson 4/19/90  
 JAMES H. JOHNSON, DISTRICT ENGINEER DATE

**THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOILS CONSERVATION DISTRICT**  
 5/19/90  
 DATE

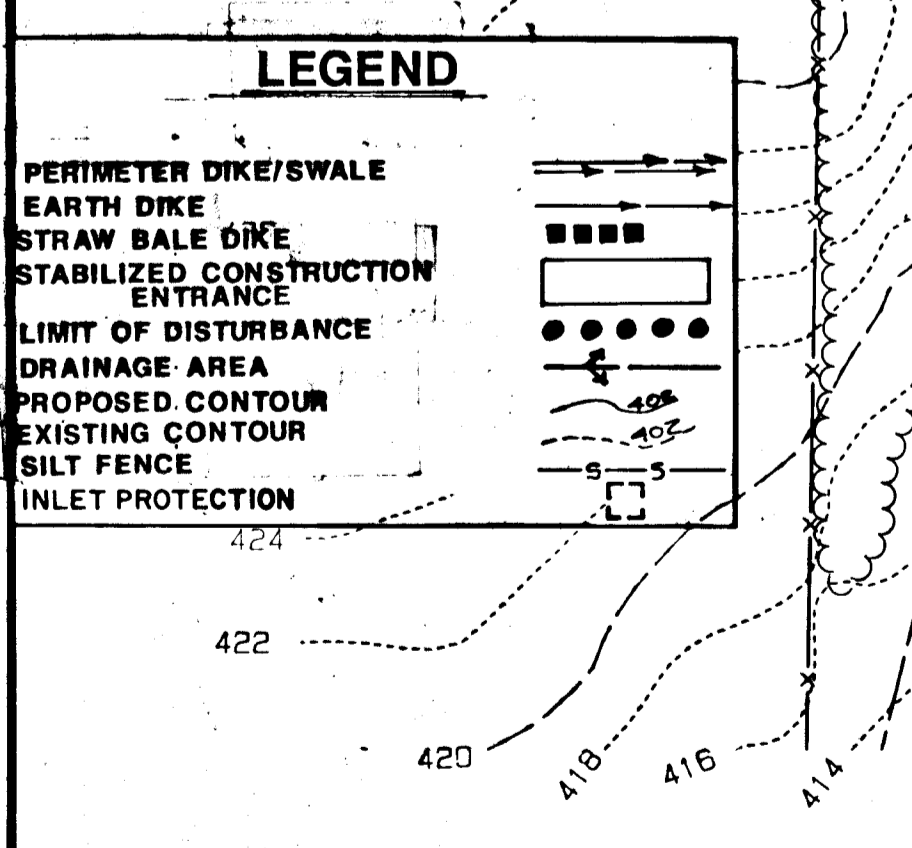
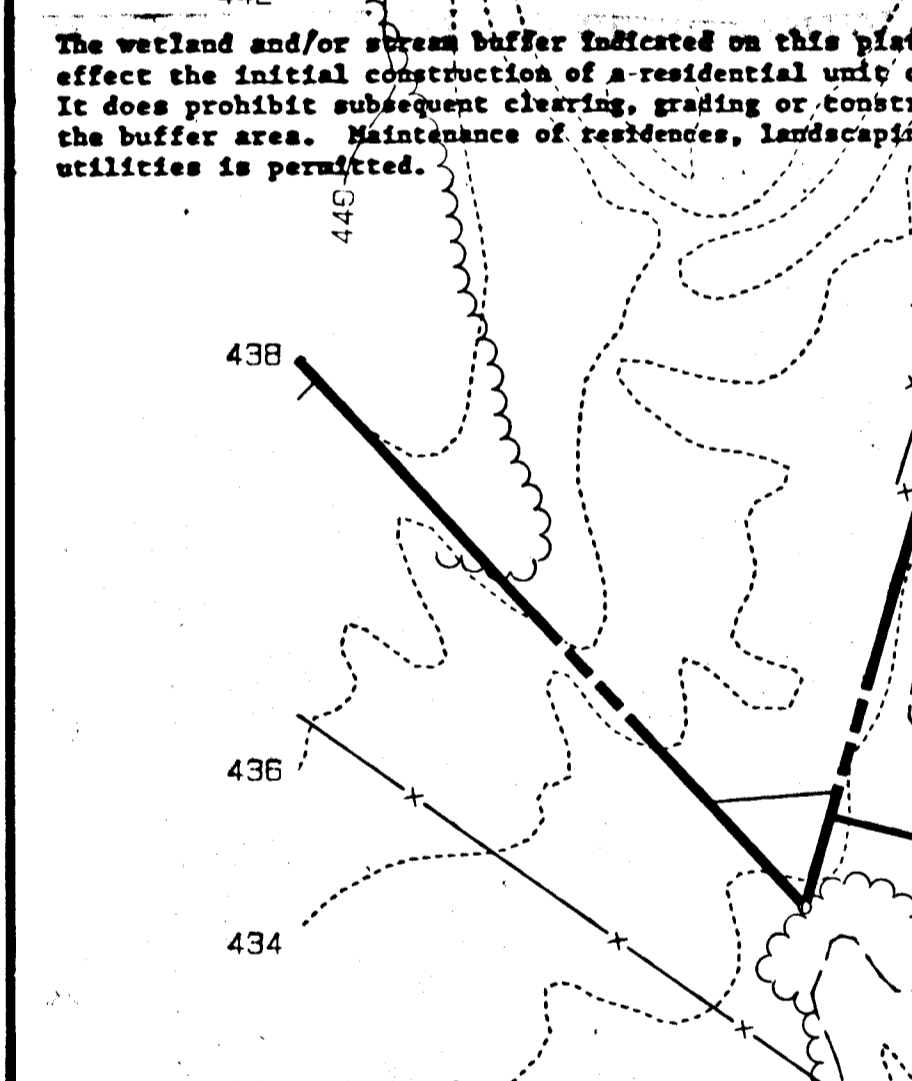
**APPROVED HOWARD COUNTY DEPT. OF PLANNING AND ZONING**  
 Mark J. J. J. 5/19/90  
 CHIEF, DIVISION OF ZONING PLANNING AND LAND DEVELOPMENT DATE

**APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS**  
 Randall P. Ryan 5/2/90  
 CHIEF, LAND DEVELOPMENT DIVISION DATE

**APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS**  
 Randall P. Ryan 4/30/91  
 CHIEF, BUREAU OF HIGHWAYS DATE

**APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS**  
 Randall P. Ryan 5/2/90  
 CHIEF, BUREAU OF ENGINEERING DATE

The wetland and/or stream buffer indicated on this plan does not affect the initial construction of a residential unit on any lot. It does prohibit subsequent clearing, grading or construction in the buffer area. Maintenance of residences, landscaping, and utilities is permitted.



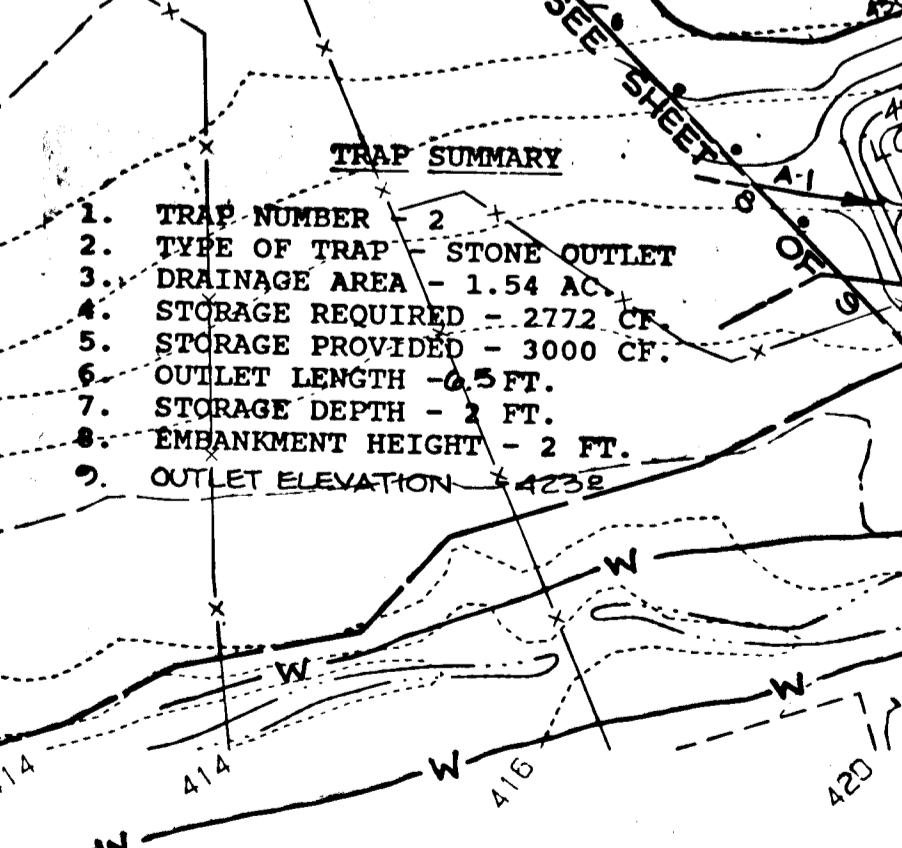
DESIGNED		DATE		BY		DESCRIPTION	
MLH	5-88	4-90	KAB	REVISED PIPE SYSTEM UPSTREAM OF I/LZ			
MLH	5-88	9-79	WED	REVISED TO TURN AROUND			
RMT	5-88						
CRH	5-88						

**TRAP SUMMARY**

- TRAP NUMBER - 1
- TYPE OF TRAP - RIPRAP OUTLET SEDIMENT TRAP
- DRAINAGE AREA - 11.37 AC.
- STORAGE REQUIRED - 20,820 CF
- STORAGE PROVIDED - 3000 CF
- OUTLET LENGTH - 3 FT.
- STORAGE DEPTH - 3.6'
- EMBANKMENT HEIGHT - 2 FT.
- OUTLET ELEVATION - 425.9

**TRAP SUMMARY**

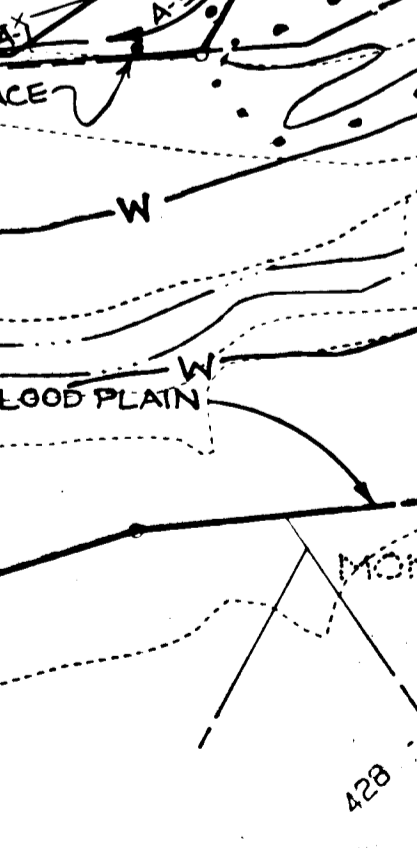
- TRAP NUMBER - 2
- TYPE OF TRAP - STONE OUTLET
- DRAINAGE AREA - 1.54 AC.
- STORAGE REQUIRED - 2772 CF
- STORAGE PROVIDED - 3000 CF
- OUTLET LENGTH - 3 FT.
- STORAGE DEPTH - 3.6'
- EMBANKMENT HEIGHT - 2 FT.
- OUTLET ELEVATION - 425.9



**Dewberry & Davis**  
 ENGINEERS - ARCHITECTS - PLANNERS - SURVEYORS  
 3300 N. RIDGE ROAD, SUITE 100  
 ELLICOTT CITY, MD. 21043  
 (301) 461-7478

**OWNER & DEVELOPER**  
 MONTGOMERY MEADOWS GENERAL PARTNERSHIP  
 9175 GUILFORD ROAD, SUITE 302  
 COLUMBIA, MARYLAND 21046  
 (301) 604-1552

GRADING, SEDIMENT AND EROSION CONTROL PLAN AND DRAINAGE AREA MAP  
**MONTGOMERY MEADOWS**  
 SECTION ONE, AREA SIX  
 LOTS 301 THRU 351  
 1ST ELECTION DISTRICT, HOWARD COUNTY, MARYLAND



SCALE: 1"=50' HORIZ  
 CONTRACT NO.  
 FILE NO. F006-EC  
 SHEET 7 OF 9

FOR CONTINUATION SEE INSET A THIS SHEET

REMOVE EX. END SECTION RIP-RAP AND PIPE AS NECESSARY TO CONNECT 21" CMP TO EX.

FOR CONTINUATION SEE INSET A THIS SHEET

1443

F 8-178

**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 COUNTY SOIL CONSERVATION DISTRICT.  
*Thomas S. Wray* 4/1/90  
 THOMAS S. WRAY, NO. 066-10-1115 DATE

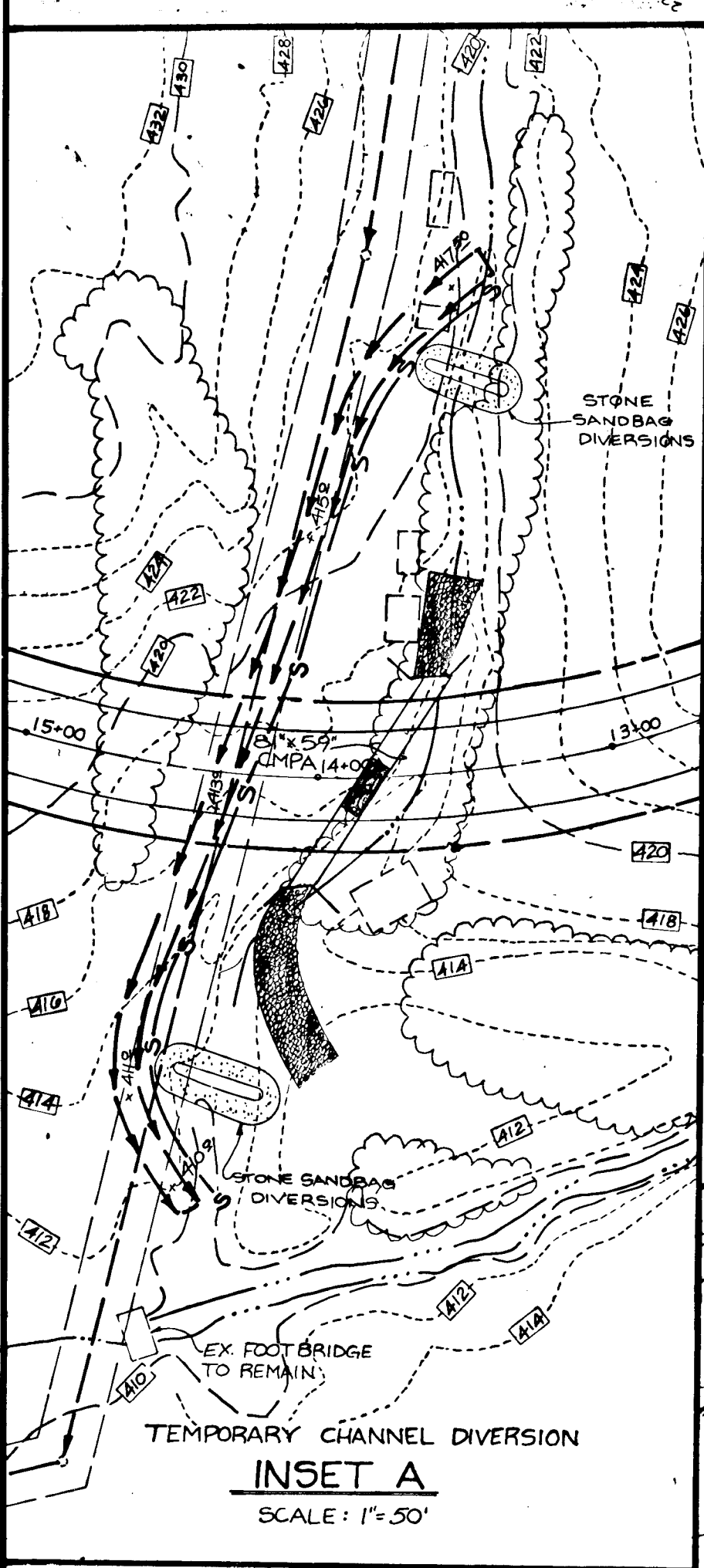
**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.  
*Kenneth G. Malm* 4-12-90  
 KENNETH G. MALM, N.Y. LAND, INC. DATE

**REVIEWER FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS**  
*James H. Hahn* 7-19-90  
 JAMES H. HAHN, DISTRICT MANAGER DATE

**THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT**  
*Jim V. Johnston* 5/19/90  
 JIM V. JOHNSTON, DISTRICT MANAGER DATE

**APPROVED HOWARD COUNTY DEPT. OF PLANNING AND ZONING**  
*Paul J. Quinn* 5/16/90  
 PAUL J. QUINN, CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

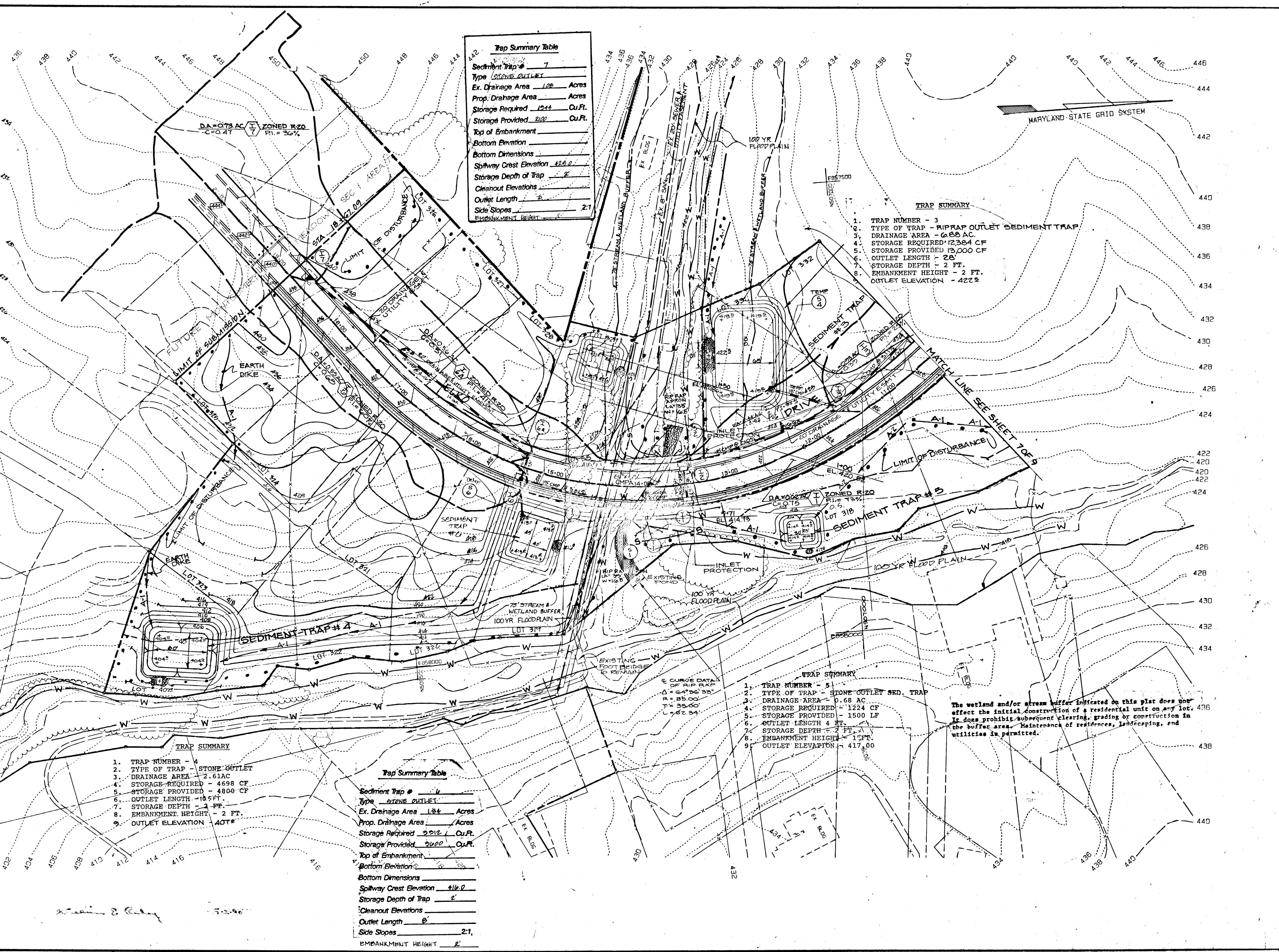
**APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS**  
*Paul J. Quinn* 5/2/90  
 PAUL J. QUINN, CHIEF, BUREAU OF ENGINEERING DATE



**LEGEND**

- PERIMETER DIKE/SWALE
- EARTH DIKE
- STRAW BALE DIKE
- STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- DRAINAGE AREA
- PROPOSED CONTOUR
- EXISTING CONTOUR
- SILT FENCE

DESIGNED		DATE		BY		DESCRIPTION	
MLH	5-88	4-90	RAB	PER AGENCY COMMENTS			
MLH	5-88						
RMT	5-88						
CRH	5-88						



1443

**Dewberry & Davis**  
 ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS  
 3300 N. RIDGE ROAD, SUITE 100  
 ELLICOTT CITY, MD. 21043  
 (301) 461-7478

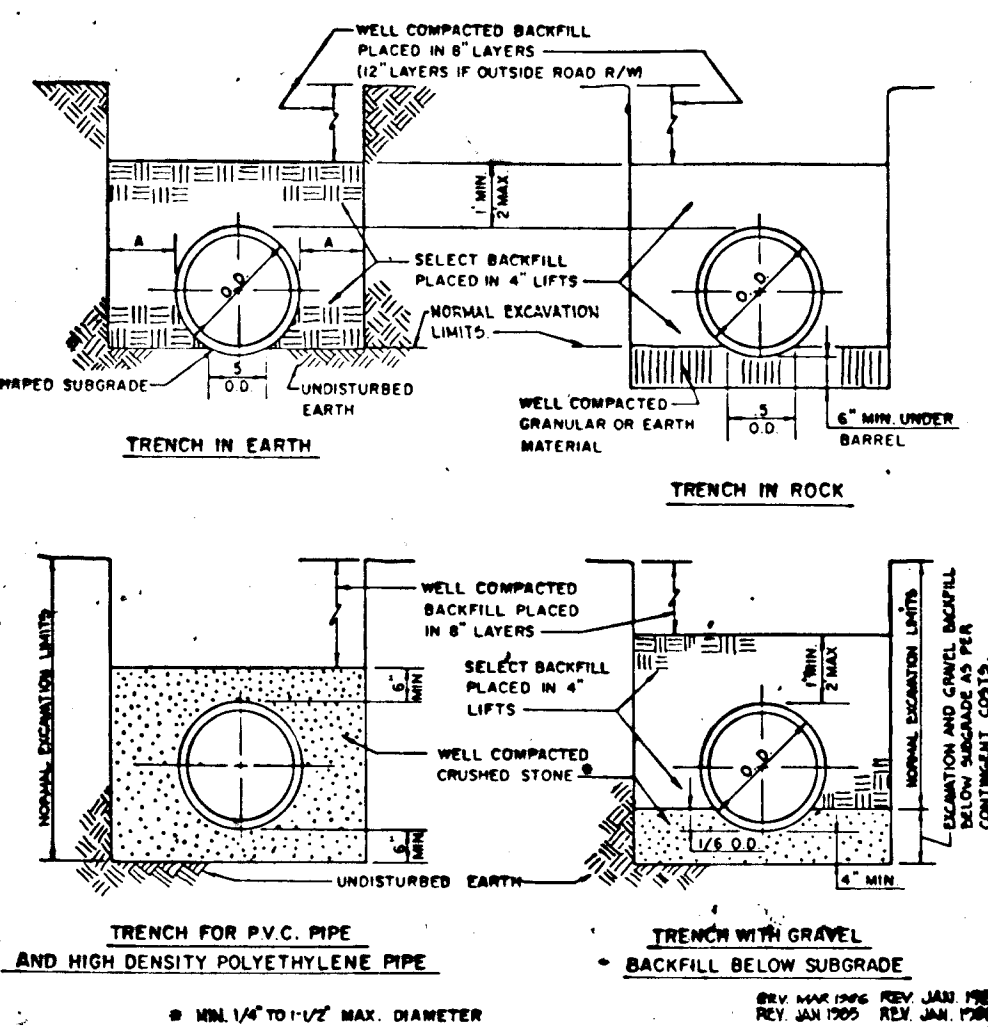


**OWNER & DEVELOPER**  
 MONTGOMERY MEADOWS GENERAL PARTNERSHIP  
 9175 GUILFORD ROAD, SUITE 302  
 COLUMBIA, MARYLAND 21046  
 (301) 604-1552

GRADING, SEDIMENT AND EROSION CONTROL PLAN & DRAINAGE AREA MAP  
**MONTGOMERY MEADOWS**  
 SECTION ONE, AREA SIX  
 LOTS 301 THRU 351  
 1st ELECTION DISTRICT, HOWARD COUNTY, MARYLAND.  
 APRIL 1988  
 SCALE: 1" = 50' CONTRACT NO. FILE NO. SHEET 8 OF 9



- NOTES
1. WITHIN ROAD RIGHT-OF-WAY, TRENCH COMPACTION DENSITY SHALL BE 95% AS DETERMINED BY AASHTO T-99.
  2. FOR PAV WIDTHS SEE DETAIL G2-02-A.



**TRENCH BEDDING DETAILS**  
NO SCALE

TRENCH PAYMENT WIDTHS FOR PAVEMENT CONSTRUCTION

PIPE DIAMETER	TRENCH WIDTH
4"	12"
6"	18"
8"	24"
10"	30"
12"	36"
14"	42"
16"	48"
18"	54"
20"	60"
24"	72"
28"	84"
30"	90"
36"	108"
42"	126"
48"	144"
54"	162"
60"	180"
72"	216"
84"	252"
90"	270"
108"	324"
126"	378"

- NOTES
1. An additional payment width shall be established where sheeting or trench shields are utilized during construction. The above payment widths are intended for all site conditions.
  2. Trench width for pipe having a nominal inside diameter for equal parapet for each pipe larger than 108 inches shall be specified in the Special Provision, or detailed in the Contract Drawings.
  3. Pipe diameters are referred to nominal inside diameter.
  4. Trench width for each pipe shall be the same as the nominal exterior pipe diameter having equal parapet.

TRENCH PAYMENT WIDTHS FOR CONSTRUCTION

PIPE DIAMETER	TRENCH WIDTH
4"	12"
6"	18"
8"	24"
10"	30"
12"	36"
14"	42"
16"	48"
18"	54"
20"	60"
24"	72"
28"	84"
30"	90"
36"	108"
42"	126"
48"	144"
54"	162"
60"	180"
72"	216"
84"	252"
90"	270"
108"	324"
126"	378"

- NOTES
1. An additional payment width shall be established where sheeting or trench shields are utilized during construction. The above payment widths are intended for all site conditions.
  2. Trench width for cover pipes larger than 18" diameter shall be specified in the Special Provision, or as detailed in the Contract Drawings.

**TRENCH PAYMENT WIDTH**  
NO SCALE

**SITE PREPARATION STORMWATER MANAGEMENT CONSTRUCTION SPECIFICATION**

Access under the stormwater and structural works shall be cleared, grubbed and the topsoil stripped to reveal all trees, vegetation, roots or other objectionable material.

**EARTH FILL**

The fill material shall be taken from approved designated borrow area or areas. It shall be free from roots, stumps, wood, boulders, cinders, stones, frozen or other objectionable materials.

**Placement**

Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in 8-inch maximum thickness (before compaction) layers which are to be continuous over the entire length of the fill.

**Compaction**

The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by not less than one tread track of the equipment, or operation shall be achieved by a minimum of four complete passes of a scraper, rubber tired or vibratory roller. Fill material shall contain sufficient moisture so that it can be worked into a ball without crumbling. If water can be squeezed out of the ball, it is too wet to compact properly. Compact all fill material to 95% of AASHTO T-99 density.

**STRUCTURAL BACKFILL**

Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed 4-inches in thickness. Backfilling operation shall be performed by the contractor using appropriate equipment. The material needs to fill completely all spaces under and adjacent to the pipe. At no time during the backfilling operation shall driver equipment be allowed to operate closer than 4-feet to any part of a structure. Under no circumstances shall the contractor drive equipment over any part of a structure or pipe unless there is a compacted fill of 2-feet or greater over the structure or pipe.

**PIPE CONDUITS**

**A. CORRUGATED METAL PIPE**

1. Materials - Metal Pipe - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-18 or M-21, with watertight coupling bands.
2. Connections - All connections with pipes must be completely watertight. The drain pipe or barrel connection shall be made with rubber gaskets or other coupling bands. Watertight coupling bands shall be used at all joints. Rubber gaskets shall be connected to the pipe in such a manner as to be completely watertight.
3. Bedding - The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or other unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.
4. Laying pipe - The pipe shall be placed with inside circumferential laps pointing downstream and with longitudinal laps at the sides.
5. Backfilling shall conform to structural backfill as shown above.
6. Other details (anti-siphon collars, valves, etc.) shall be as shown on the drawings.

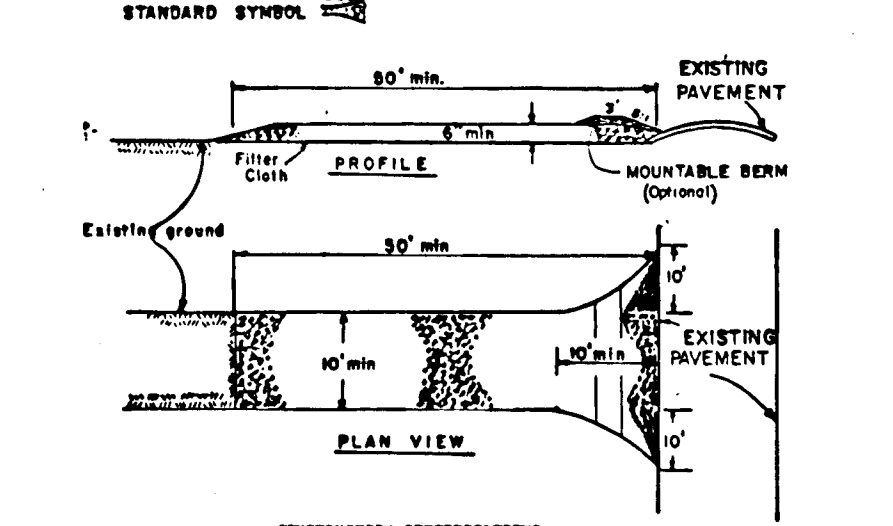
**V. CONCRETE**

Concrete shall meet minimum requirements set forth in Maryland State Highway Administration Specifications for Materials, Highways, Bridges, and Incidental Structures, Article 20-07 (Portland Cement Concrete Mixtures), Mix No. 3.

**VI. STABILIZATION**

All borrow areas shall be graded to provide proper drainage and left in a slightly condition. All exposed surfaces shall be stabilized by permanent seeding and applying straw mulch in accordance with the Standards and Specifications for Soil Erosion and Sediment Control in Urbanizing Areas" immediately after grading.

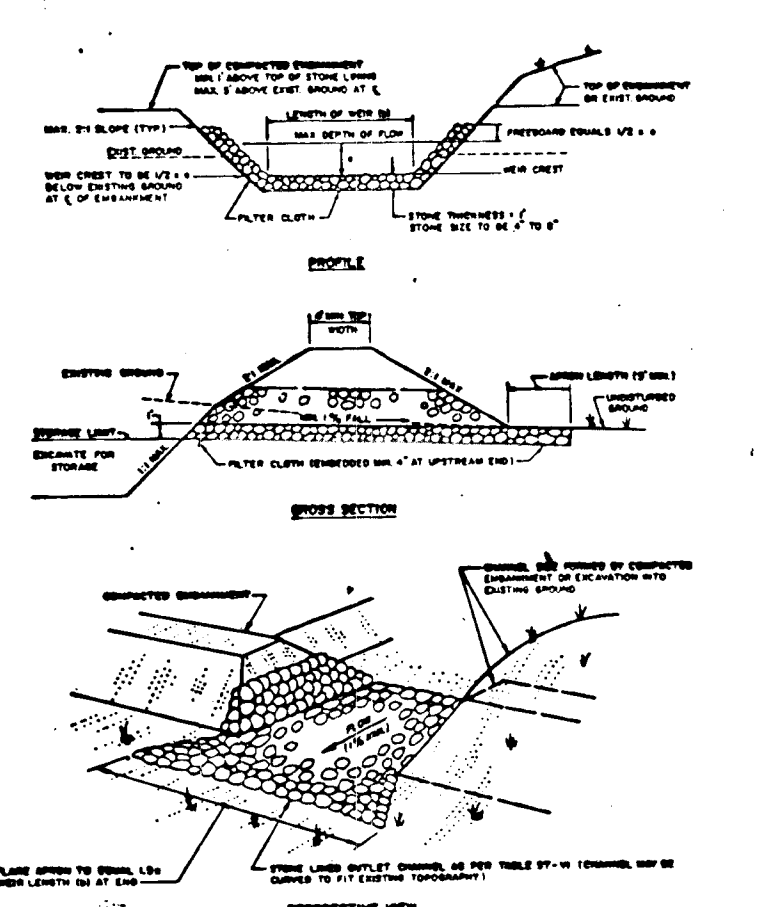
Fertilizers	10-10-10	11.5 lbs./1000 sq. ft.
Seed:	Crownvetch Inoculated	0.5 lbs./1000 sq. ft.
	"Tall Fescue	1.5 lbs./1000 sq. ft.
Mulch:		80 lbs./1000 sq. ft.
Asphalt Tie-down:	Slopes	8 gal./1000 sq. ft.
	Flat areas	5 gal./1000 sq. ft.



- CONSTRUCTION SPECIFICATIONS**
1. Storm Size - One (1) storm, or rainfall or reported concrete equivalent.
  2. Seals - An optional seal, but not less than 18" (except on a single cast deck in where a 30" foot minimum length would apply).
  3. Dimensions - Not less than 18" (6) inches.
  4. Width - Ten (10) foot minimum, but not less than the full width at which water flows or across crevices.
  5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be placed on a single family residence lot.
  6. Surface Water - All surface water flowing on diverted toward construction entrances shall be piped across the entrance. If piping is impractical, use a mounded berm with 3:1 slope will be provided.
  7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and regular and/or cleanout of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
  8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is indicated, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
  9. Periodic inspection and needed maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE

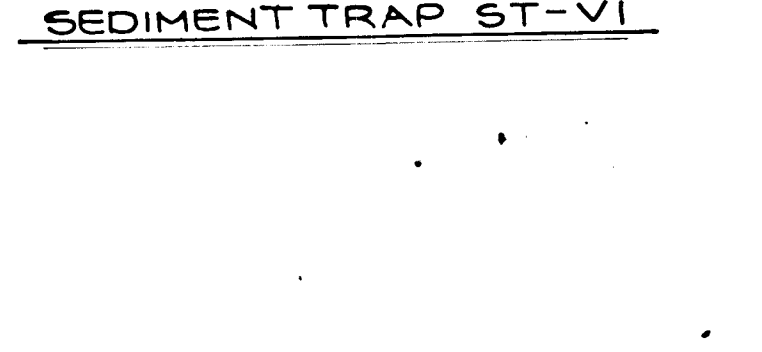
**RIP RAP OUTLET SEDIMENT TRAP ST-VI**



**CONSTRUCTION SPECIFICATIONS FOR ST-VI**

1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
3. All fill slopes shall be 2:1 or flatter; top slopes 1:1 or flatter.
4. Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
5. Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level of crest.
6. Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance and one (1) foot with section nearest the outlet channel.
7. Stone used in the outlet channel shall be four (4) to eight (8) inches (diameter). To provide a filtering effect, a layer of filter cloth shall be mounded one (1) foot back into the upstream face of the outlet stone or a 1:1 foot thick layer of one (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
8. Sediment shall be removed and trap returned to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removal sediment shall be deposited in a suitable area and in such a manner that it will not return.
9. The structure shall be inspected after each rain and repaired as needed.
10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
11. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
12. Drainage area for this practice is limited to 15 acres or less.

**RIP RAP OUTLET SEDIMENT TRAP ST-VI**



**CONSTRUCTION SPECIFICATIONS FOR RIP RAP SILT FENCE**

1. Where silt fence is to be installed, it shall be installed in a manner that will not impede drainage.
2. Silt fence shall be constructed of 2" x 4" construction grade lumber.
3. Silt fence shall be constructed with a minimum length of 30 feet.
4. Silt fence shall be constructed with a minimum height of 4 feet.
5. Silt fence shall be constructed with a minimum width of 6 feet.
6. Silt fence shall be constructed with a minimum spacing of 50 feet.
7. Silt fence shall be constructed with a minimum depth of 6 inches.
8. Silt fence shall be constructed with a minimum weight of 100 lbs.
9. Silt fence shall be constructed with a minimum density of 100 lbs.
10. Silt fence shall be constructed with a minimum strength of 100 lbs.
11. Silt fence shall be constructed with a minimum stability of 100 lbs.
12. Silt fence shall be constructed with a minimum resistance of 100 lbs.
13. Silt fence shall be constructed with a minimum durability of 100 lbs.
14. Silt fence shall be constructed with a minimum longevity of 100 lbs.
15. Silt fence shall be constructed with a minimum performance of 100 lbs.
16. Silt fence shall be constructed with a minimum efficiency of 100 lbs.
17. Silt fence shall be constructed with a minimum effectiveness of 100 lbs.
18. Silt fence shall be constructed with a minimum productivity of 100 lbs.
19. Silt fence shall be constructed with a minimum profitability of 100 lbs.
20. Silt fence shall be constructed with a minimum sustainability of 100 lbs.
21. Silt fence shall be constructed with a minimum viability of 100 lbs.
22. Silt fence shall be constructed with a minimum fecundity of 100 lbs.
23. Silt fence shall be constructed with a minimum fertility of 100 lbs.
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29. Silt fence shall be constructed with a minimum fertility of 100 lbs.
30. Silt fence shall be constructed with a minimum fecundity of 100 lbs.

**CONSTRUCTION SPECIFICATIONS**

1. All silt fences shall be compacted by hand using equipment.
2. Silt fences shall be constructed on a firm, stable foundation.
3. Silt fences shall be constructed with a minimum length of 30 feet.
4. Silt fences shall be constructed with a minimum height of 4 feet.
5. Silt fences shall be constructed with a minimum width of 6 feet.
6. Silt fences shall be constructed with a minimum spacing of 50 feet.
7. Silt fences shall be constructed with a minimum depth of 6 inches.
8. Silt fences shall be constructed with a minimum weight of 100 lbs.
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29. Silt fences shall be constructed with a minimum fertility of 100 lbs.
30. Silt fences shall be constructed with a minimum fecundity of 100 lbs.

**CONSTRUCTION SPECIFICATIONS**

1. Stone to be 2 1/2 inch size or recycled concrete equivalent, in a layer at least 12 inches thick and be placed into the hole with construction equipment.
2. Rip rap to be 12 inches in layers of least 12 inches thickness and placed into the hole.
3. Rip rap to be 12 inches in layers of least 12 inches thickness and placed into the hole.
4. Rip rap to be 12 inches in layers of least 12 inches thickness and placed into the hole.
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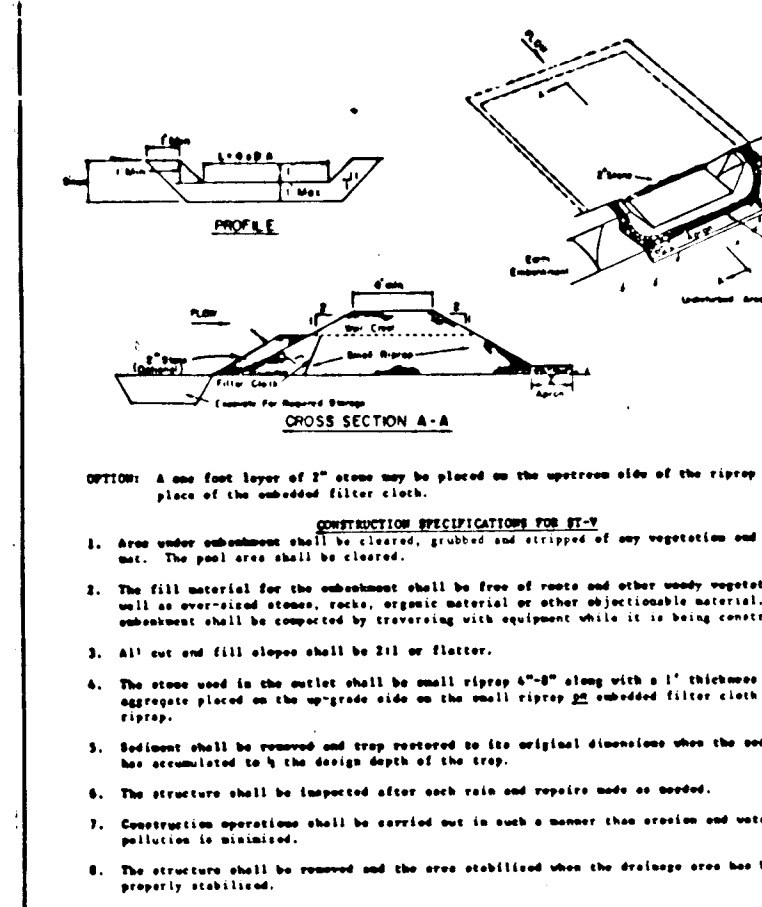
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**STONE OUTLET SEDIMENT TRAP ST-VI**



**CONSTRUCTION SPECIFICATIONS FOR ST-VI**

1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
3. All fill slopes shall be 2:1 or flatter; top slopes 1:1 or flatter.
4. Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
5. Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level of crest.
6. Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance and one (1) foot with section nearest the outlet channel.
7. Stone used in the outlet channel shall be four (4) to eight (8) inches (diameter). To provide a filtering effect, a layer of filter cloth shall be mounded one (1) foot back into the upstream face of the outlet stone or a 1:1 foot thick layer of one (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
8. Sediment shall be removed and trap returned to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removal sediment shall be deposited in a suitable area and in such a manner that it will not return.
9. The structure shall be inspected after each rain and repaired as needed.
10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
11. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
12. Drainage area for this practice is limited to 15 acres or less.

**CONSTRUCTION SPECIFICATIONS FOR RIP RAP SILT FENCE**

1. Where silt fence is to be installed, it shall be installed in a manner that will not impede drainage.
2. Silt fence shall be constructed of 2" x 4" construction grade lumber.
3. Silt fence shall be constructed with a minimum length of 30 feet.
4. Silt fence shall be constructed with a minimum height of 4 feet.
5. Silt fence shall be constructed with a minimum width of 6 feet.
6. Silt fence shall be constructed with a minimum spacing of 50 feet.
7. Silt fence shall be constructed with a minimum depth of 6 inches.
8. Silt fence shall be constructed with a minimum weight of 100 lbs.
9. Silt fence shall be constructed with a minimum density of 100 lbs.
10. Silt fence shall be constructed with a minimum strength of 100 lbs.
11. Silt fence shall be constructed with a minimum stability of 100 lbs.
12. Silt fence shall be constructed with a minimum resistance of 100 lbs.
13. Silt fence shall be constructed with a minimum durability of 100 lbs.
14. Silt fence shall be constructed with a minimum longevity of 100 lbs.
15. Silt fence shall be constructed with a minimum performance of 100 lbs.
16. Silt fence shall be constructed with a minimum efficiency of 100 lbs.
17. Silt fence shall be constructed with a minimum effectiveness of 100 lbs.
18. Silt fence shall be constructed with a minimum productivity of 100 lbs.
19. Silt fence shall be constructed with a minimum profitability of 100 lbs.
20. Silt fence shall be constructed with a minimum sustainability of 100 lbs.
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**CONSTRUCTION SPECIFICATIONS**

1. All silt fences shall be compacted by hand using equipment.
2. Silt fences shall be constructed on a firm, stable foundation.</