

GENERAL NOTES

- THIS PLAN IS BASED UPON A FIELD-RUN TOPOGRAPHIC SURVEY PERFORMED BY WHITNEY, BAILEY, COX & MAGNANI, LLC (WBCM) IN NOVEMBER & DECEMBER OF 2000 AND REFLECTS SITE CONDITIONS AS OF THAT DATE.
- COORDINATES SHOWN HEREON ARE REFERRED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM, NAD 83, AS DETERMINED FROM THE FOLLOWING HOWARD COUNTY HORIZONTAL SURVEY CONTROL MONUMENTS:
38AA N 561,158.784 E 1,389,726.391 DISK FOUND
38BA N 562,553.278 E 1,390,967.927 DISK FOUND
- ELEVATIONS SHOWN HEREON ARE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS DETERMINED FROM THE ABOVE MENTIONED SURVEY MONUMENTS:
38AA ELEV. = 220.023 (FEET) DISK FOUND
38BA ELEV. = 166.177 (FEET) DISK FOUND
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED IF APPLICABLE. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAIL FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
- EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
AT&T (410) 865-3803
BGE (CONTRACTOR SERVICES) (410) 850-4620
BGE (UNDERGROUND DAMAGE CONTROL) (410) 787-9068
BUREAU OF UTILITIES (DPW) (410) 313-4900
VERIZON TELEPHONE CO. (410) 597-8585
MISS UTILITY (800) 257-7777
CONSTRUCTION INSPECTION (410) 313-1880
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE (5) WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION ON COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENT PER SECTION 18.114(A) OF THE HOWARD COUNTY CODE.
- BACKFILL TO TOP OF WATER AND SEWER PIPING SHALL BE COMPACTED TO 95% OF ASTM D 698 MAXIMUM DENSITY.
- ALL WATER CONNECTIONS IN CONFLICT WITH THE PROPOSED STORM DRAIN WORK SHALL BE RELOCATED USING TYPE K COPPER AND FLARE FITTINGS ONLY IN CONFORMANCE WITH DESIGN MANUAL IV SPECIFICATIONS.
- A STAGING AND STOCKPILE AREA WITH SEDIMENT CONTROL WILL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY HOWARD COUNTY.
- CONTRACTOR SHALL USE HOWARD CO. DETAIL 64.01 FOR TRENCH REPAIR.

Developer Certification:
"I/We 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 the Environment 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 of Developer: *Renald G. Lepson* Date: 6/1/04
Printed Name: Renald G. Lepson

Engineer's Certification:
"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 of Engineer: *Jamil M. Fawcett* Date: 5/25/04
Printed Name: Jamil M. Fawcett

Reviewed for HOWARD SCD and meets Technical Requirements.
Signature: *Jim Myers* Date: 6/4/04
USDA Natural Resources Conservation Service

This development plan is approved for pond construction, soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
Signature: *John R. Robertson* Date: 6/4/04
Howard SCD

LIST OF SHEETS

SHT NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN & PROFILE
3	PROFILES & MISCELLANEOUS DETAILS
4	SEDIMENT CONTROL NOTES
5	SEDIMENT CONTROL PLAN
6	SEDIMENT CONTROL DETAILS
7	TRAFFIC CONTROL PLAN

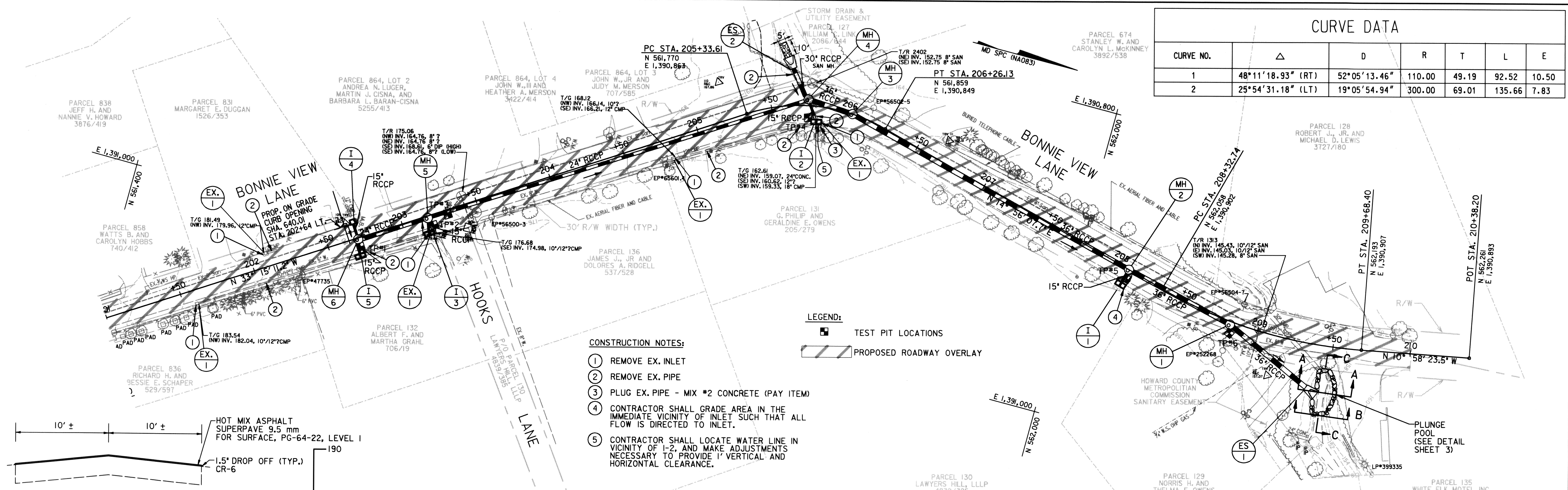
Elkridge Heights Drainage Improvements D-1082

Bonnie View Lane
Howard County, Maryland
DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Steve Shaver</i> 5/28/04 CHIEF, TRANSPORTATION AND SPECIAL PROJECTS DIVISION DATE: 23-May-04 09:00	ENGINEERS: Consulting Engineers 849 Fairmount Avenue Baltimore, Maryland 21286 (410) 512-4500 (410) 324-4100 (FAX) WHITNEY, BAILEY, COX & MAGNANI, LLC		DES: DRN: CHK: DATE: 01/30/01 BY NO. REVISION DATE	TITLE SHEET 100' SCALE MAP NO. 43 BLOCK NO. 10	SCALE AS SHOWN SHEET 1 OF 7
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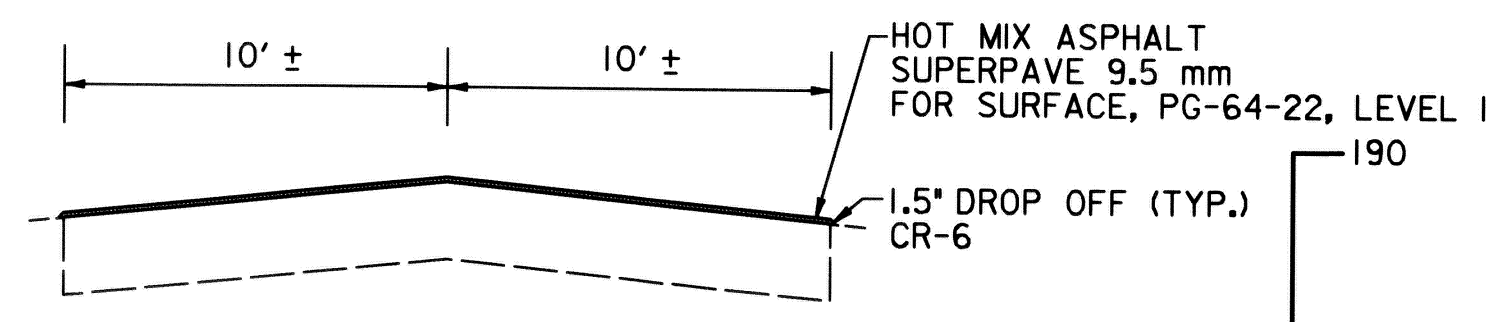
CURVE DATA

CURVE NO.	Δ	D	R	T	L	E
1	48°11'18.93" (RT)	52°05'13.46"	110.00	49.19	92.52	10.50
2	25°54'31.18" (LT)	19°05'54.94"	300.00	69.01	135.66	7.83



- CONSTRUCTION NOTES:**
- 1 REMOVE EX. INLET
 - 2 REMOVE EX. PIPE
 - 3 PLUG EX. PIPE - MIX #2 CONCRETE (PAY ITEM)
 - 4 CONTRACTOR SHALL GRADE AREA IN THE IMMEDIATE VICINITY OF INLET SUCH THAT ALL FLOW IS DIRECTED TO INLET.
 - 5 CONTRACTOR SHALL LOCATE WATER LINE IN VICINITY OF 1-2, AND MAKE ADJUSTMENTS NECESSARY TO PROVIDE 1' VERTICAL AND HORIZONTAL CLEARANCE.

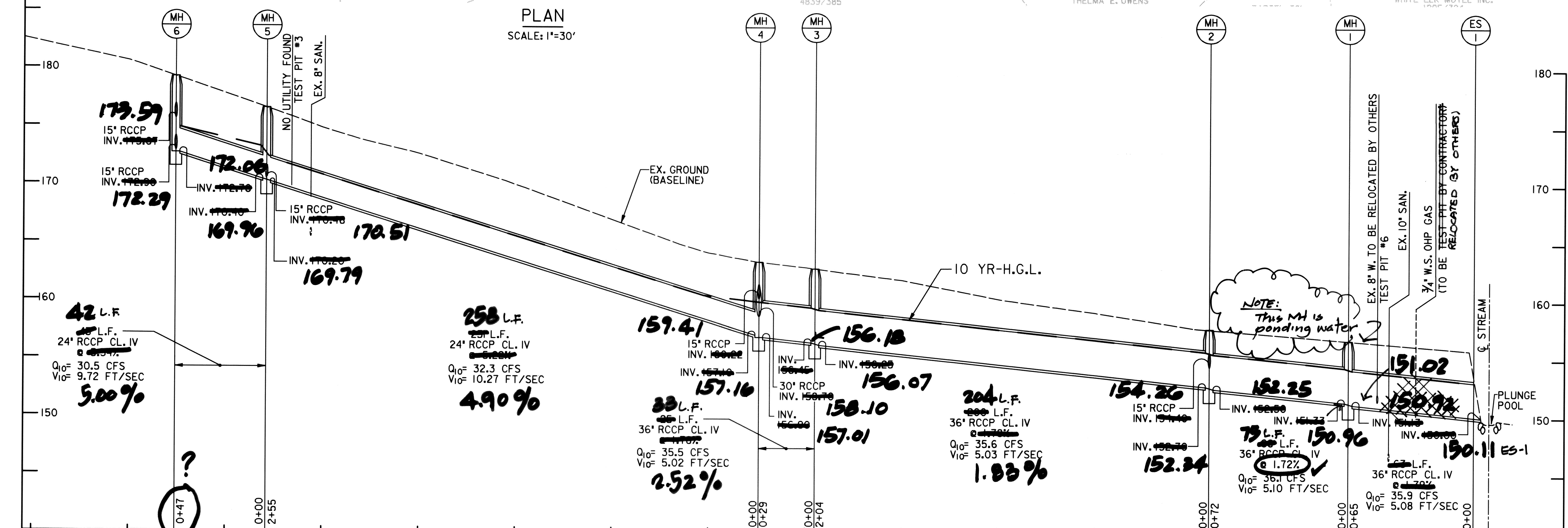
LEGEND:
 [Symbol] TEST PIT LOCATIONS
 [Hatched Area] PROPOSED ROADWAY OVERLAY



TYPICAL SECTION

BONNIE VIEW LANE
 PAVING DETAIL
 1.5\"/>

PLAN
 SCALE: 1"=30'



BONNIE VIEW LANE
 STORM DRAIN PROFILE

SCALE: 1"=30' HORIZ.
 1"=5' VERT.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Steve Shawar 5/28/04
 CHIEF, TRANSPORTATION AND SPECIAL PROJECTS DIVISION

DATE: 5/28/04

ENGINEERS:
 Consulting Engineers
 849 Fairmount Avenue
 Baltimore, Maryland 21286
 (410) 512-4500
 (410) 324-4100 (FAX)
 WHITNEY, BAILEY, COX & MAGNANI, LLC

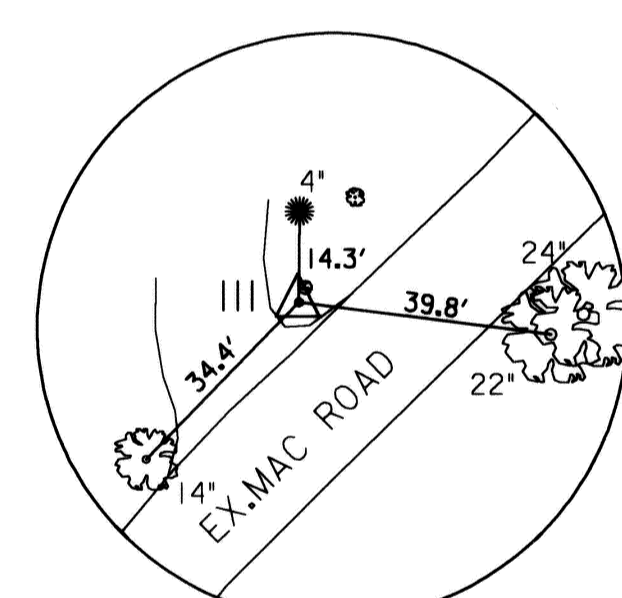
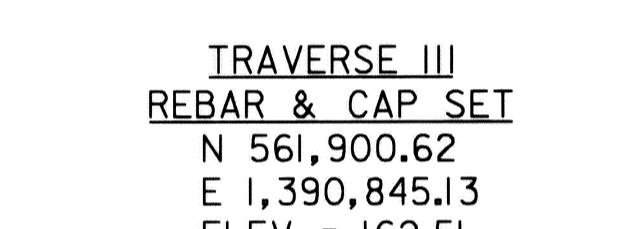
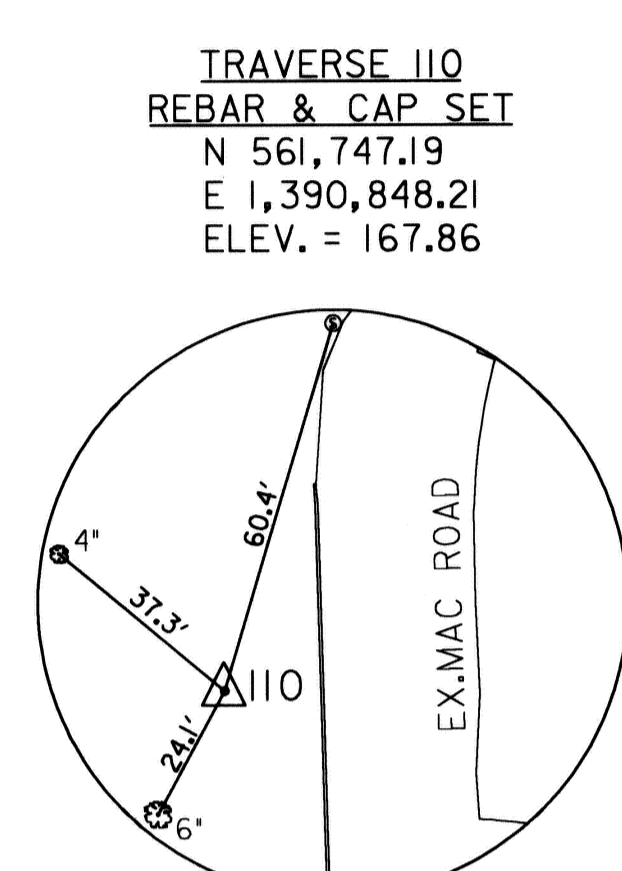
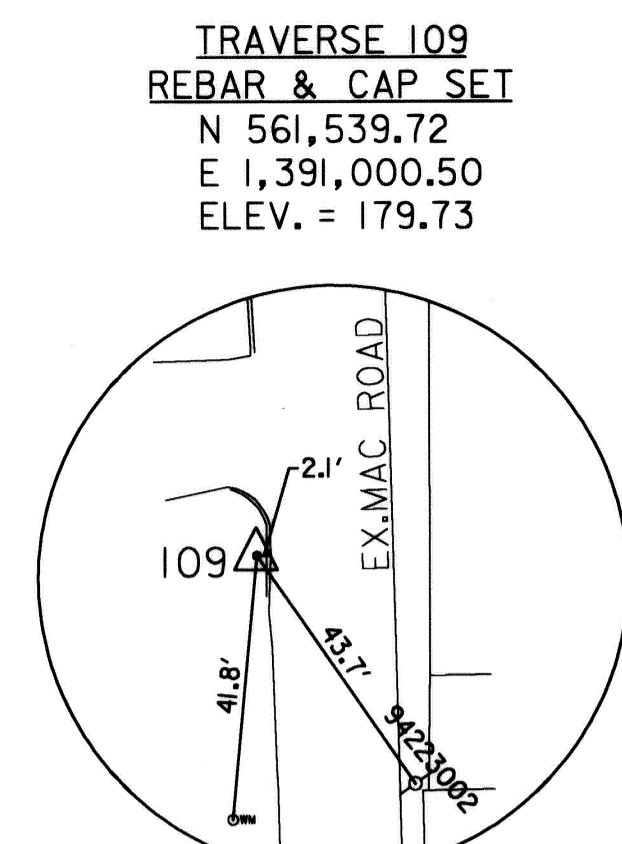
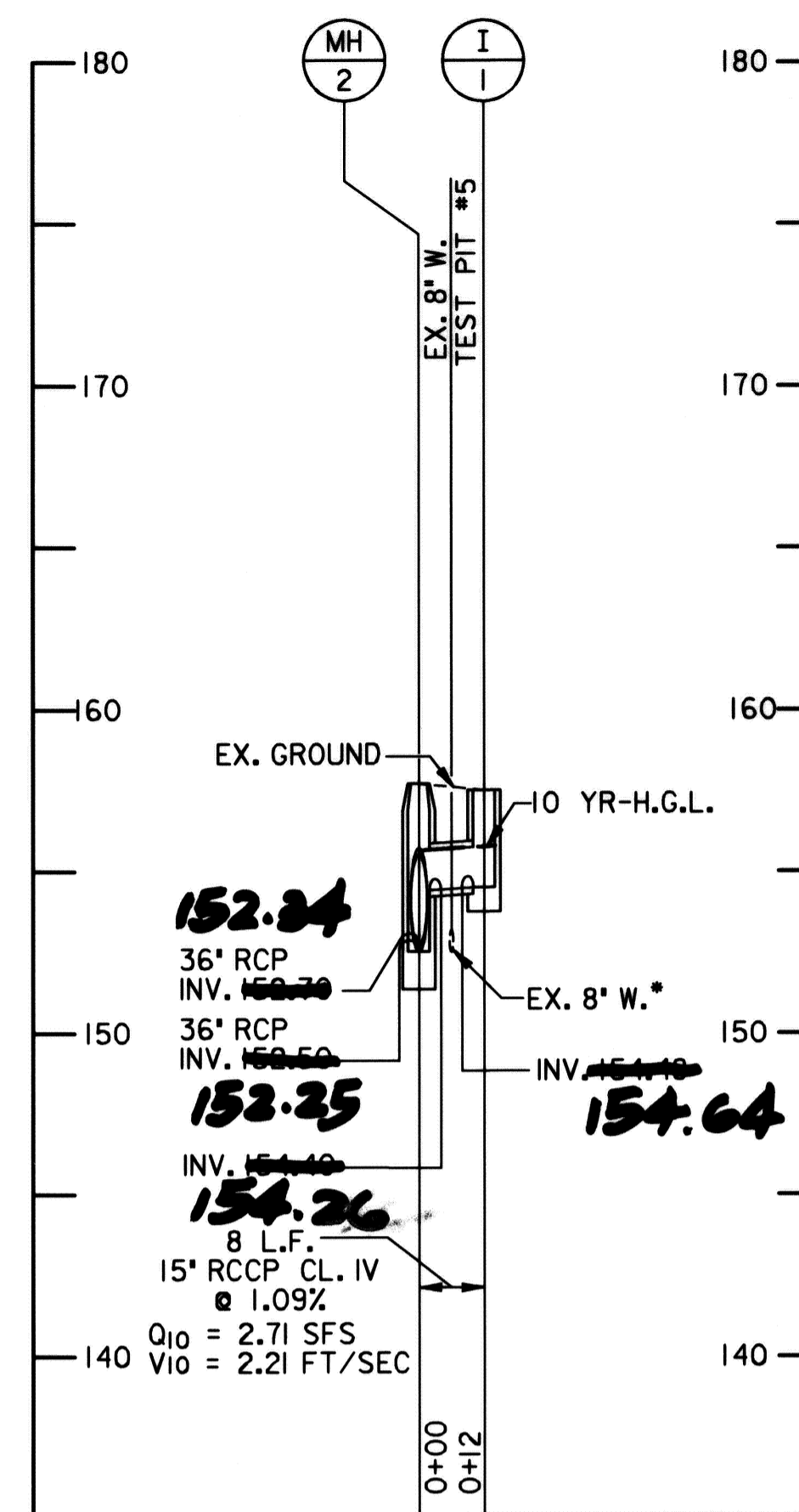
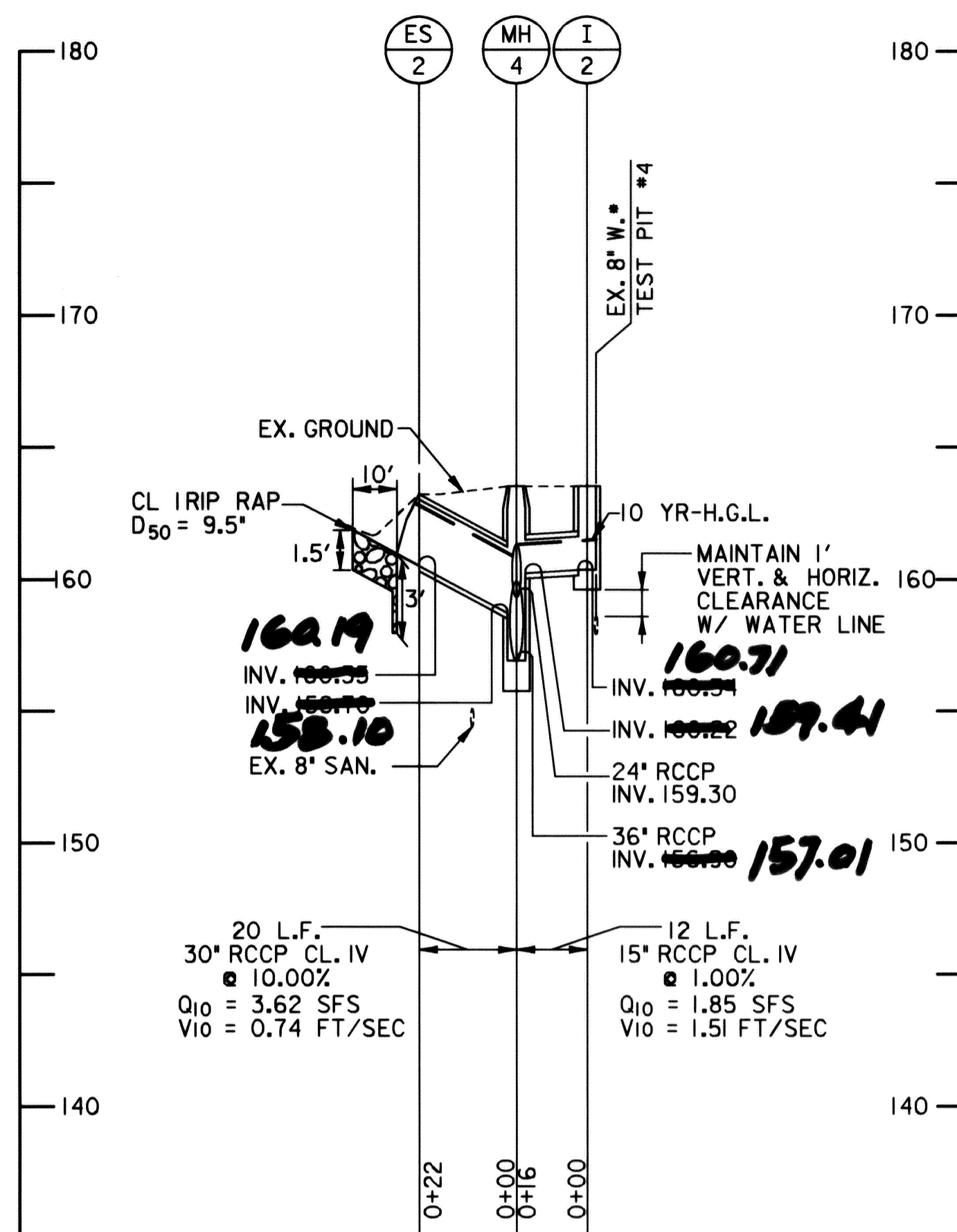
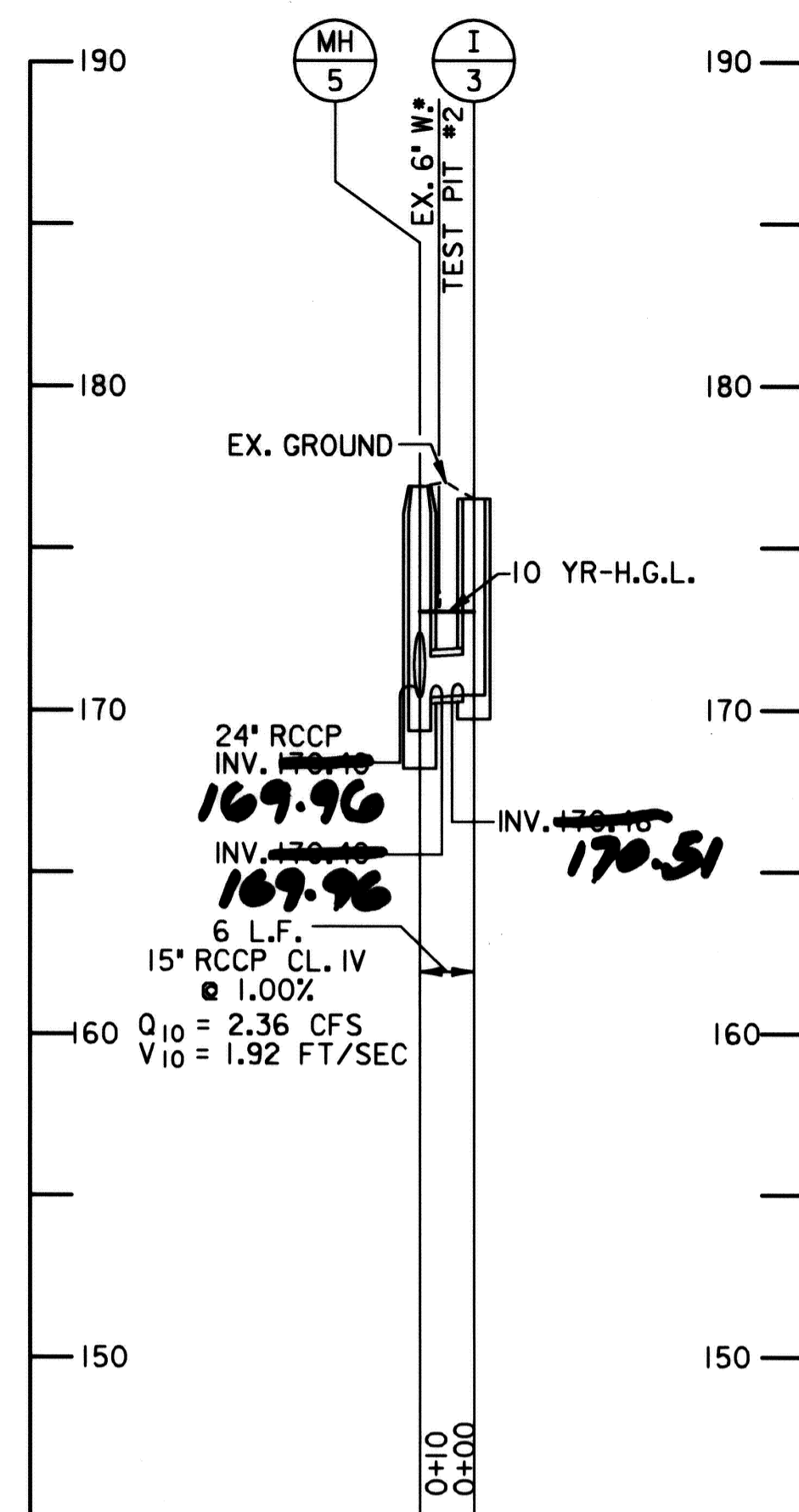
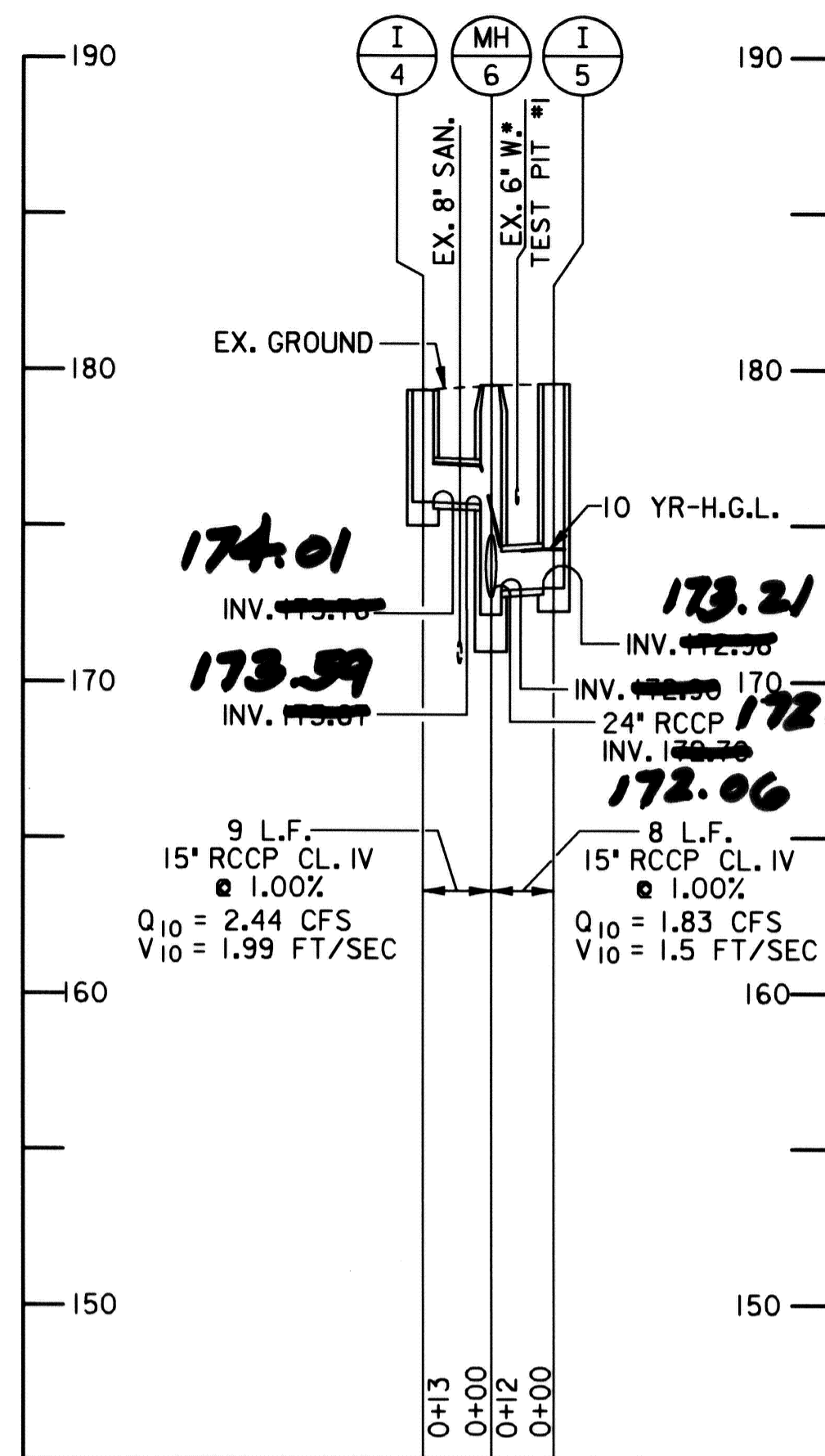
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CHK:	
DATE: 01/30/01	
BY:	
NO.	
REVISION	
DATE	

PLAN & PROFILE
 100' SCALE MAP NO. 43 BLOCK NO. 10

SCALE AS SHOWN

SHEET 2 OF 7

STORM DRAIN IMPROVEMENT
 ELK RIDGE HEIGHTS
 HOWARD CO., MARYLAND



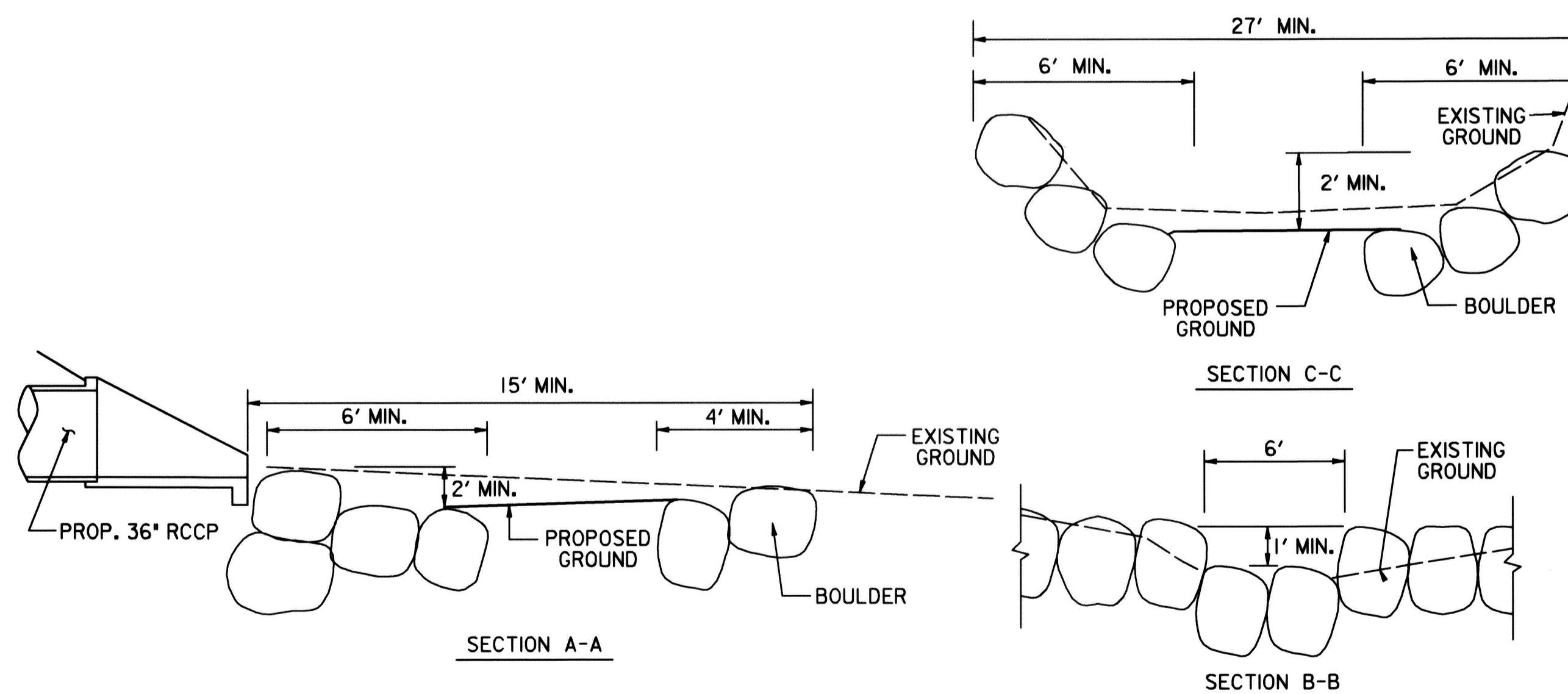
NOTE: PROVIDE 1 FOOT MINIMUM CLEARANCE WITH PROPOSED STORM DRAIN

STORM DRAIN PROFILES

SCALE: 1"=30' HORIZ.
1"=5' VERT.

NO.	TYPE	TOP OF FRAME & COVER		STD NO.	LOCATION	
		INV. OUT	INV. OUT		STA.	OFFSET
I-1	DOUBLE TYPE S INLET	157.33	154.48	SD 4.23	208+08	12' RT.
I-2	DOUBLE TYPE S INLET	163.01	160.34	SD 4.23	205+80	10' RT.
I-3	DOUBLE TYPE S INLET	176.76	170.46	SD 4.23	203+15	11' RT.
I-4	PRECAST TYPE D INLET	180.30**	175.76	SD 4.39	202+70	12' LT.
I-5	DOUBLE TYPE S INLET	179.44	172.98	SD 4.23	202+68	11' RT.
MH-1	5' STD. SHALLOW PRECAST MH	156.83	151.13	G-5.13	208+82	3' RT.
MH-2	5' STD. SHALLOW PRECAST MH	157.83	152.50	G-5.13	208+08	
MH-3	5' STD. SHALLOW PRECAST MH	163.06	156.25	G-5.13	206+03	
MH-4	5' STD. SHALLOW PRECAST MH	163.43	156.90	G-5.13	205+73	3' LT.
MH-5	4' STD. SHALLOW PRECAST MH	177.13	170.20	G-5.12	203+15	1' RT.
MH-6	4' STD. SHALLOW PRECAST MH	179.61	172.70	G-5.12	202+70	1' RT.
ES-1	CONC. END SECTION	-	150.00	SD-5.52	209+40	30' RT.
ES-2	CONC. END SECTION	-	160.55	SD-5.52	205+65	24' LT.

** ELEV. OF THROAT OPENING INVERT 179.47



PLUNGE POOL

NOT TO SCALE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Steve Sharar 5/28/04
DATE

ENGINEERS:
Consulting Engineers
849 Fairmount Avenue (410) 512-4500
Baltimore, Maryland 21286 (410) 324-4100 (FAX)
WHITNEY, BAILEY, COX & MAGNANI, LLC



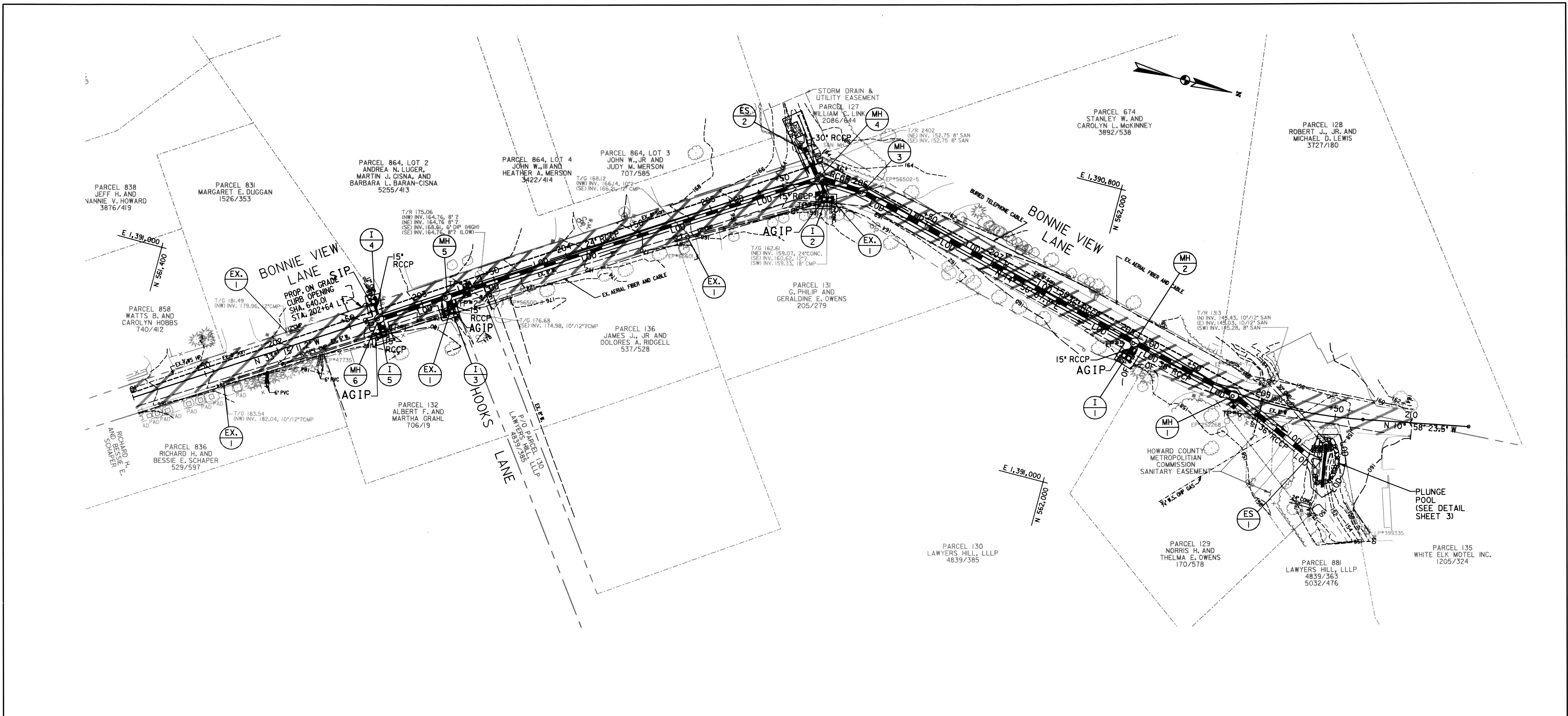
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DRN:			
CHK:			
DATE: 01/30/04	BY:	NO.	REVISION

MISCELLANEOUS PROFILES & DETAILS
100' SCALE MAP NO. 43 BLOCK NO. 10

STORM DRAIN IMPROVEMENT
ELKRIDGE HEIGHTS
HOWARD CO., MARYLAND

SCALE AS SHOWN

SHEET 3 OF 7



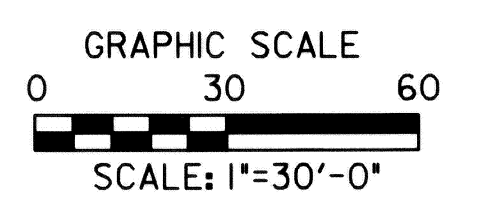
LEGEND	
	MILL AND RESURFACE
	ORANGE CONSTRUCTION FENCE
	AT-GRADE INLET PROTECTION
	STANDARD INLET PROTECTION

INLET PROTECTION				
	STATION	OFFSET(FT)	TYPE	
	I-5	202+68 RT	I2	AGIP
	I-4	202+70 LT	II	SIP
	I-3	203+15 RT	II	AGIP
	I-2	205+79 RT	10	AGIP
	I-1	208+08 RT	II	AGIP

ORANGE CONSTRUCTION FENCE		
FROM STATION	TO STATION	LENGTH (LF)
205+30 RT.	206+00 RT.	60
208+10 RT.	208+30 RT.	30

STABILIZED CONSTRUCTION ENTRANCE	
STATION	QUANTITY
.	40 TONS

• QUANTITY FOR TWO STABILIZED CONSTRUCTION ENTRANCE HAS BEEN PROVIDED AND SHALL BE PLACED AS DIRECTED BY INSPECTOR.



GENERAL NOTE:
CONSTRUCTION IS LIMITED TO THE AREA THAT CAN BE BACKFILLED AND STABILIZED AT THE END OF EACH WORKING DAY.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Jim Myers 6/14/04
NATIONAL RESOURCE CONSERVATION SERVICE Date

John R. Roberts 6/14/04
HOWARD SOIL CONSERVATION DISTRICT Date

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Steve Shavar 5/28/04
CHIEF, TRANSPORTATION AND SPECIAL PROJECTS DIVISION

Richard E. Duggan 6/11/04
CHIEF, BUREAU OF ENGINEERING

William J. ... 5-28-04
CHIEF, BUREAU OF HIGHWAYS

ENGINEERS:
WR Consulting Engineers
849 Fairmount Avenue
Baltimore, Maryland 21286
WHITNEY, BAILEY, COX & MAGNANI, LLC

(410) 512-4500
(410) 324-4100 (FAX)

RJM
RJM ENGINEERING, INC.
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

DES: _____
DRN: _____
CHK: _____
DATE: 01/30/01

BY	NO.	REVISION	DATE

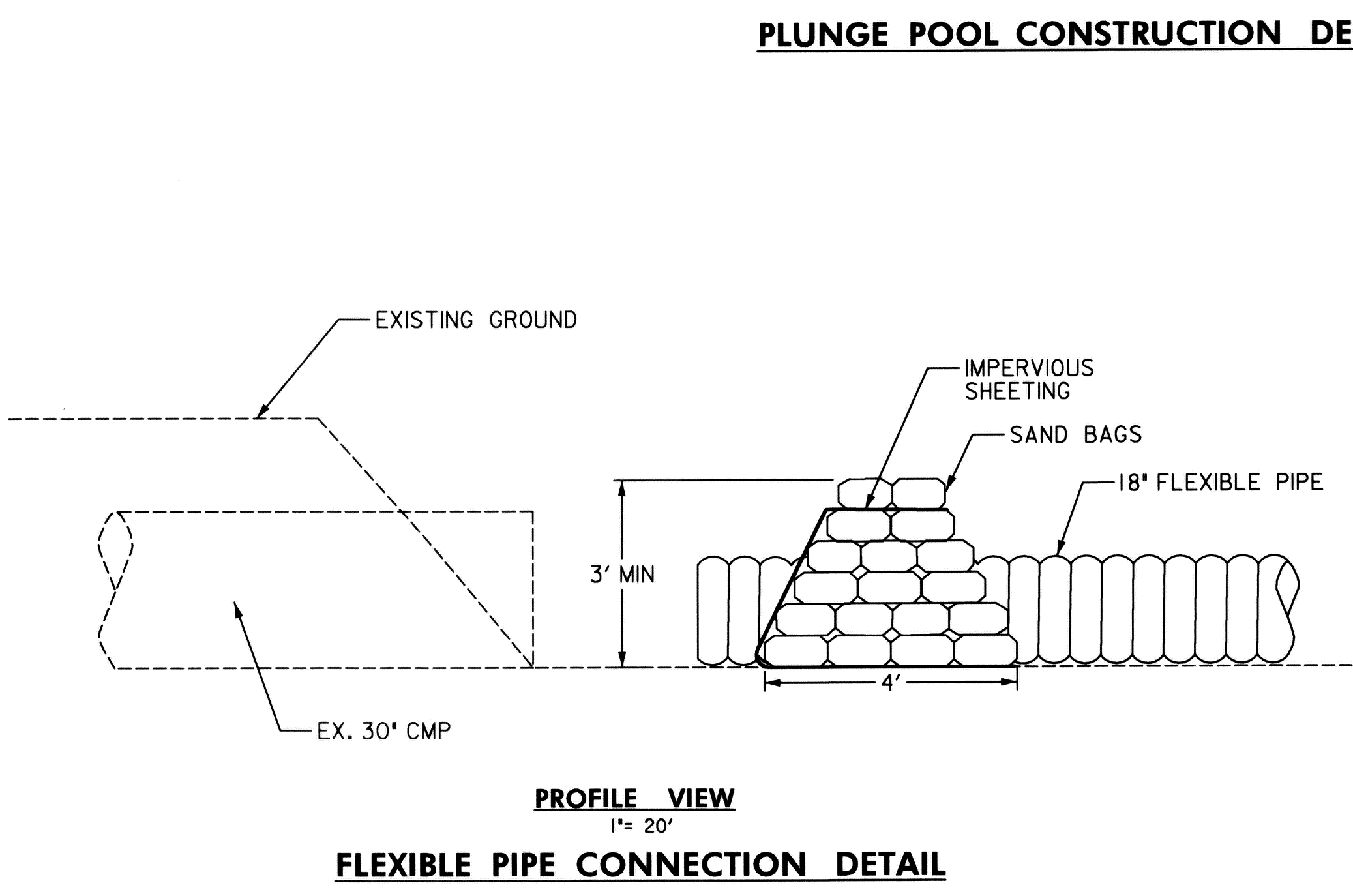
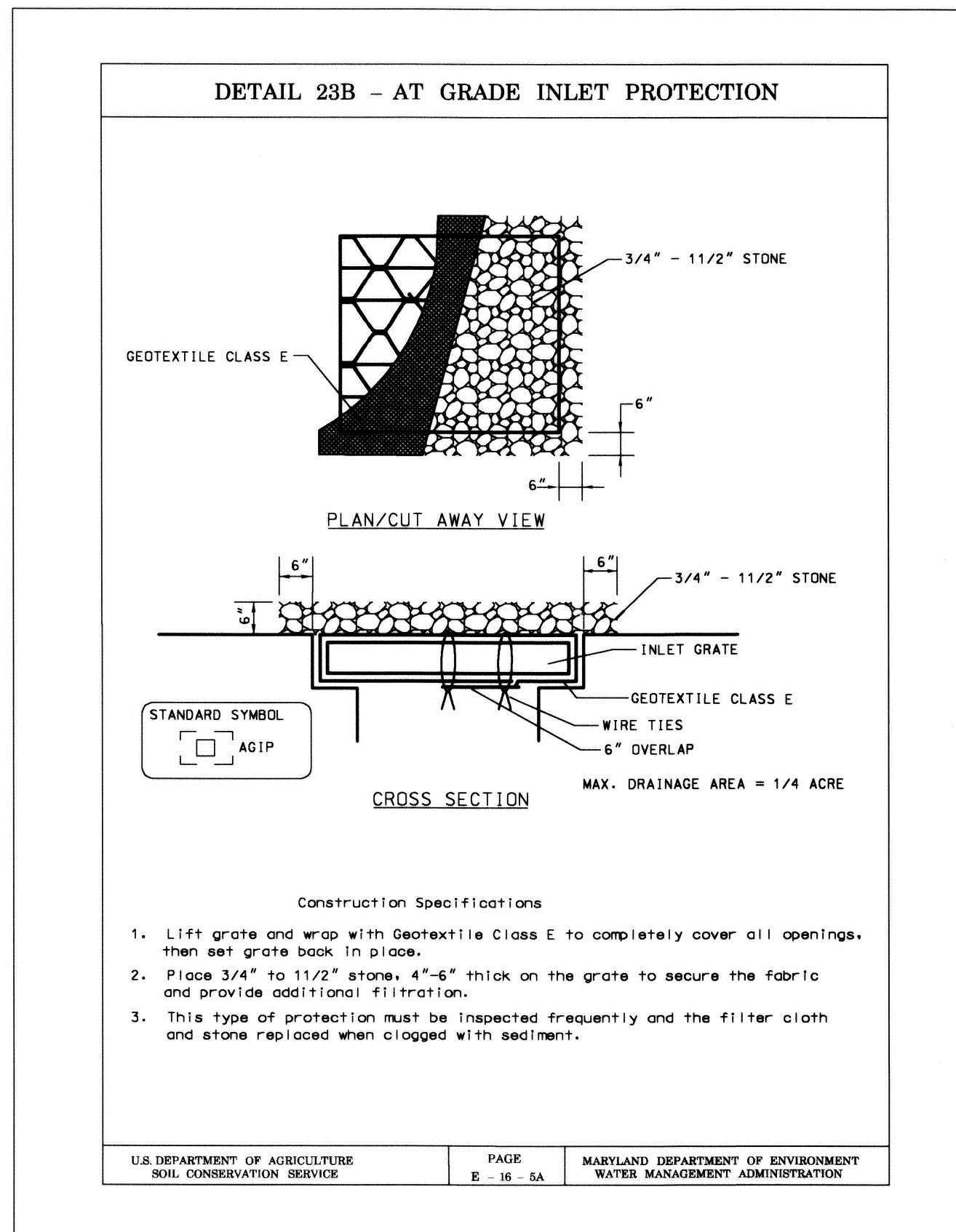
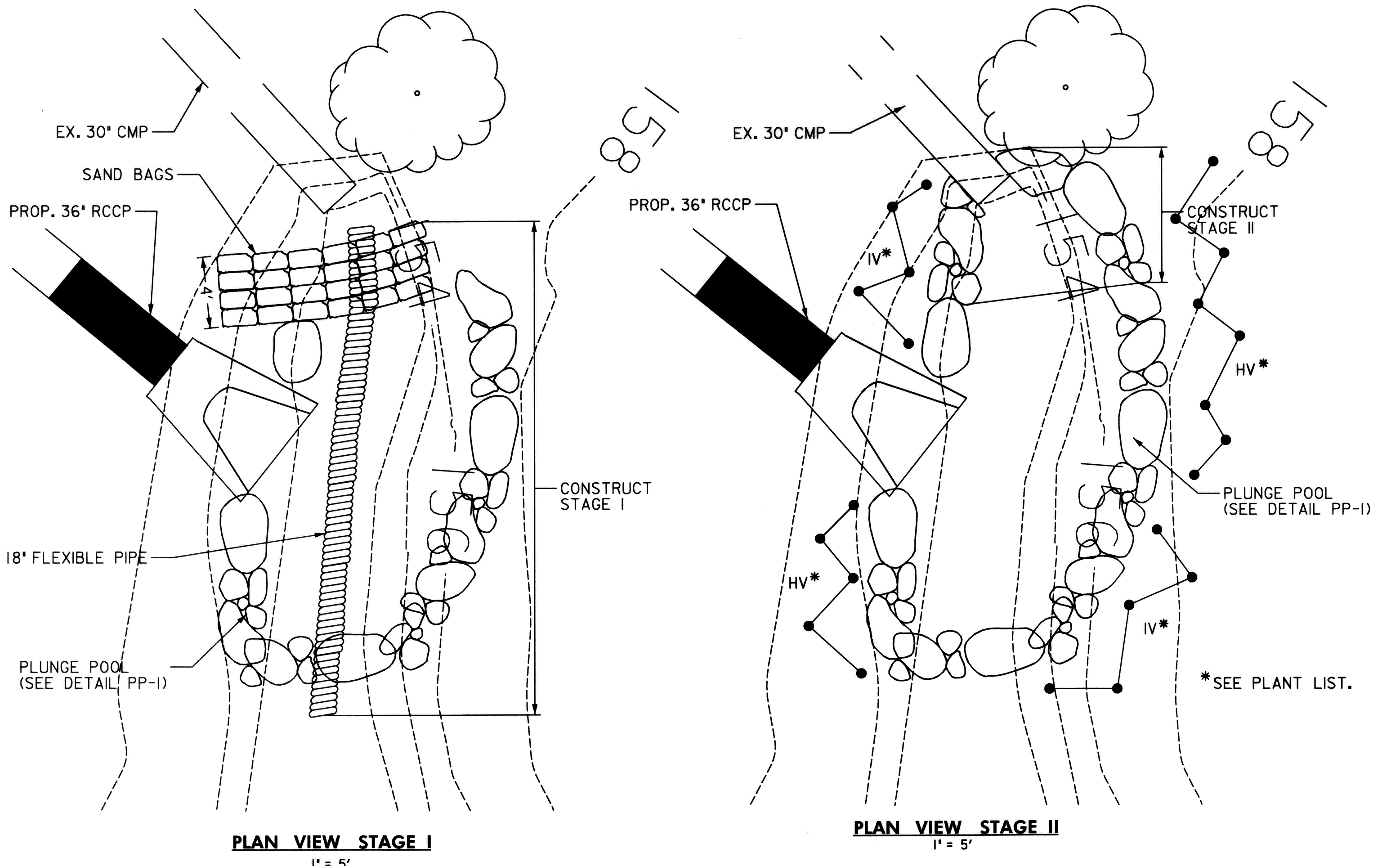
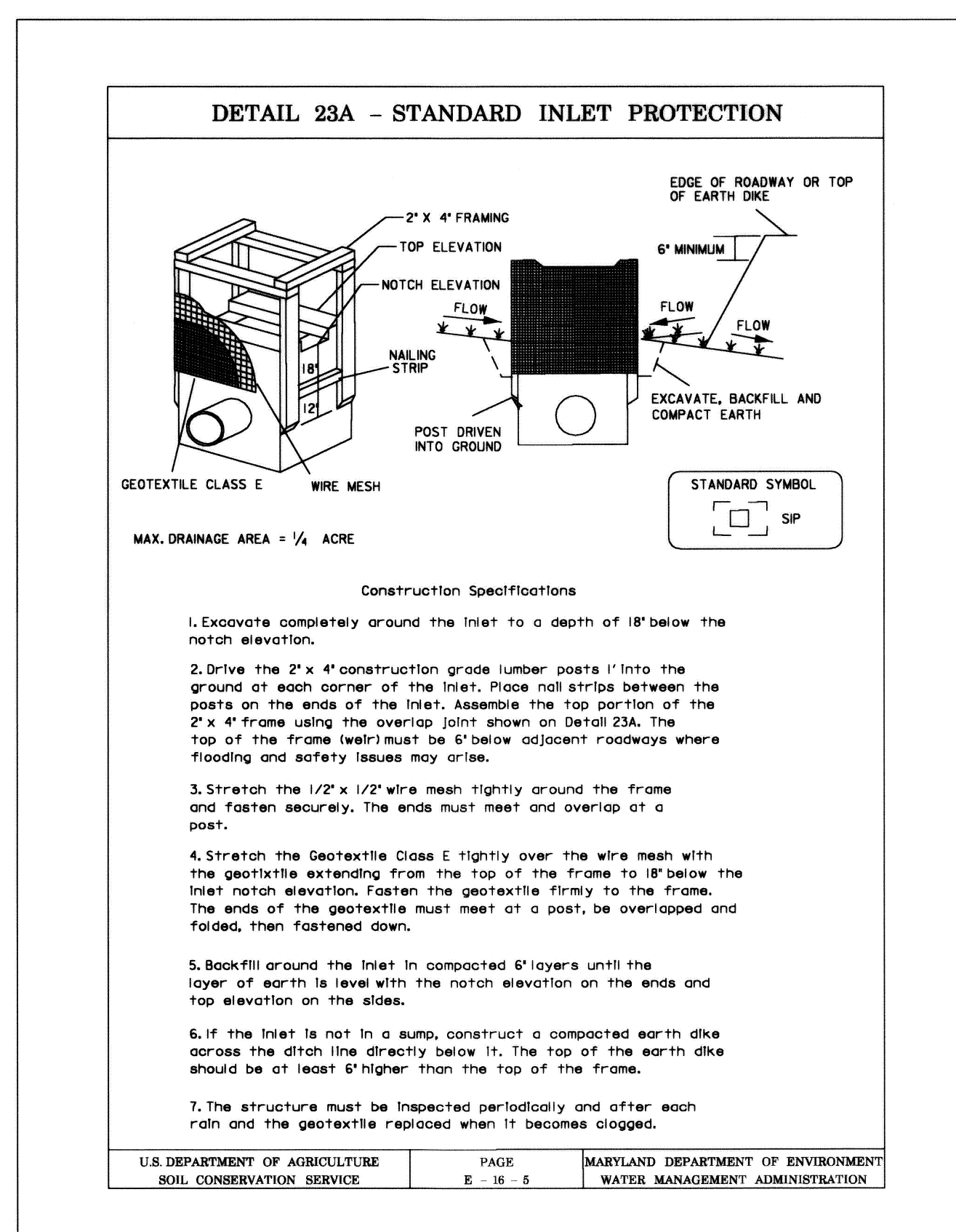
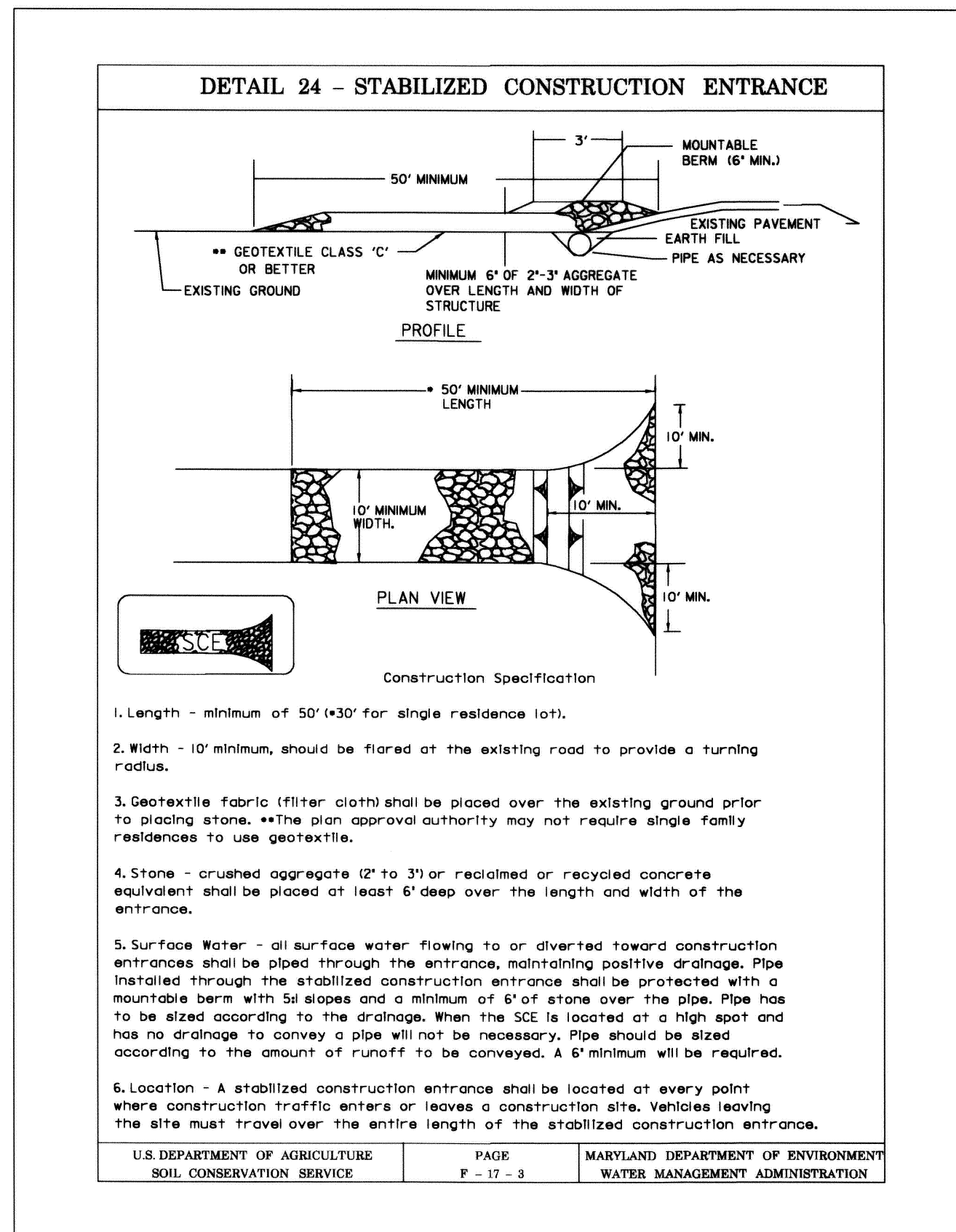
EROSION & SEDIMENT CONTROL PLAN
EP-2

100' SCALE MAP NO. 43 BLOCK NO. 10

STORM DRAIN IMPROVEMENT
ELKRIDGE HEIGHTS
HOWARD CO., MARYLAND

SCALE AS SHOWN
SHEET 5 OF 7

FILE: ps:2000\3004\5001\Drawings\Highway\hghway\ep02\ekr.dgn
DATE: 23-May-04 09:03



PLANT LIST			
KEY	QUANTITY	BOTANICAL NAME	SIZE
HV.	13	HAMMELIS VIRGINIANA/WITCHAZEL	18"-24"
IV.	10	KEX VERTICALLATA WINTERBERRY.	18"-24"

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Jim Meyer 6/4/04
U.S. NATIONAL RESOURCES CONSERVATION SERVICE Date

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

John R. Roberson 6/4/04
HOWARD SOIL CONSERVATION DISTRICT Date

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

6/3/04
DATE

6/11/04
DATE

CHIEF, BUREAU OF ENGINEERING
CHIEF, BUREAU OF HIGHWAYS

ENGINEERS:
WR
Consulting Engineers
849 Fairmount Avenue
Baltimore, Maryland 21286
WHITNEY, BAILEY, COX & MAGNANI, LLC

(410) 512-4500
(410) 324-4100 (FAX)

RJM
RJM ENGINEERING, INC.
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

DES:
DRN:
CHK:
DATE: 01/30/01
BY NO. REVISION DATE

EROSION & SEDIMENT CONTROL DETAILS EP-3

100' SCALE MAP NO. 43 BLOCK NO. 10

SCALE AS SHOWN

SHEET 6 OF 7

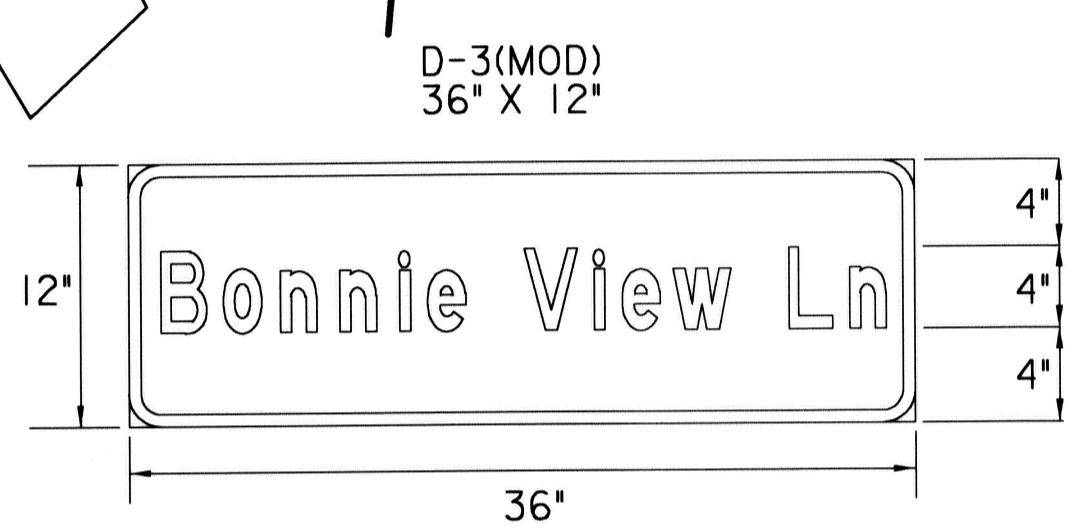
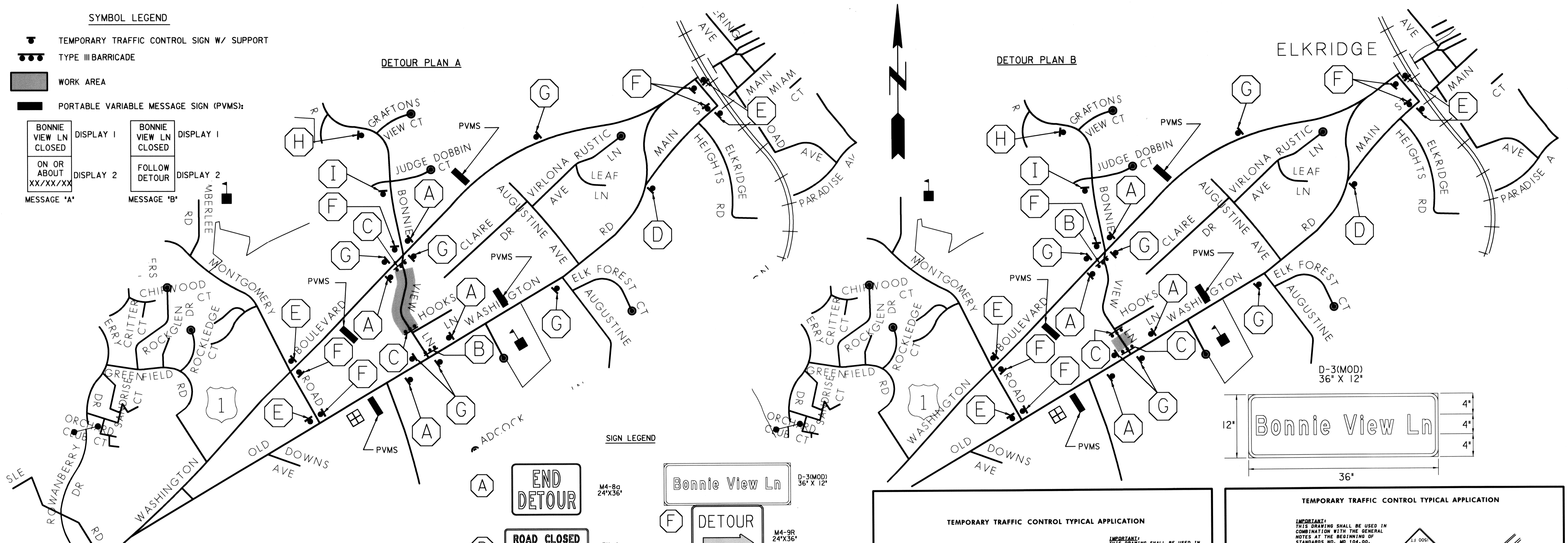
STORM DRAIN IMPROVEMENT
ELKRIDGE HEIGHTS
HOWARD CO., MARYLAND

SYMBOL LEGEND

- TEMPORARY TRAFFIC CONTROL SIGN W/ SUPPORT
 - TYPE III BARRICADE
 - WORK AREA
 - PORTABLE VARIABLE MESSAGE SIGN (PVMS):
- | | | | |
|-----------------------|-----------|-----------------------|-----------|
| BONNIE VIEW LN CLOSED | DISPLAY 1 | BONNIE VIEW LN CLOSED | DISPLAY 1 |
| ON OR ABOUT XX/XX/XX | DISPLAY 2 | FOLLOW DETOUR | DISPLAY 2 |
| MESSAGE 'A' | | MESSAGE 'B' | |

DETOUR PLAN A

DETOUR PLAN B

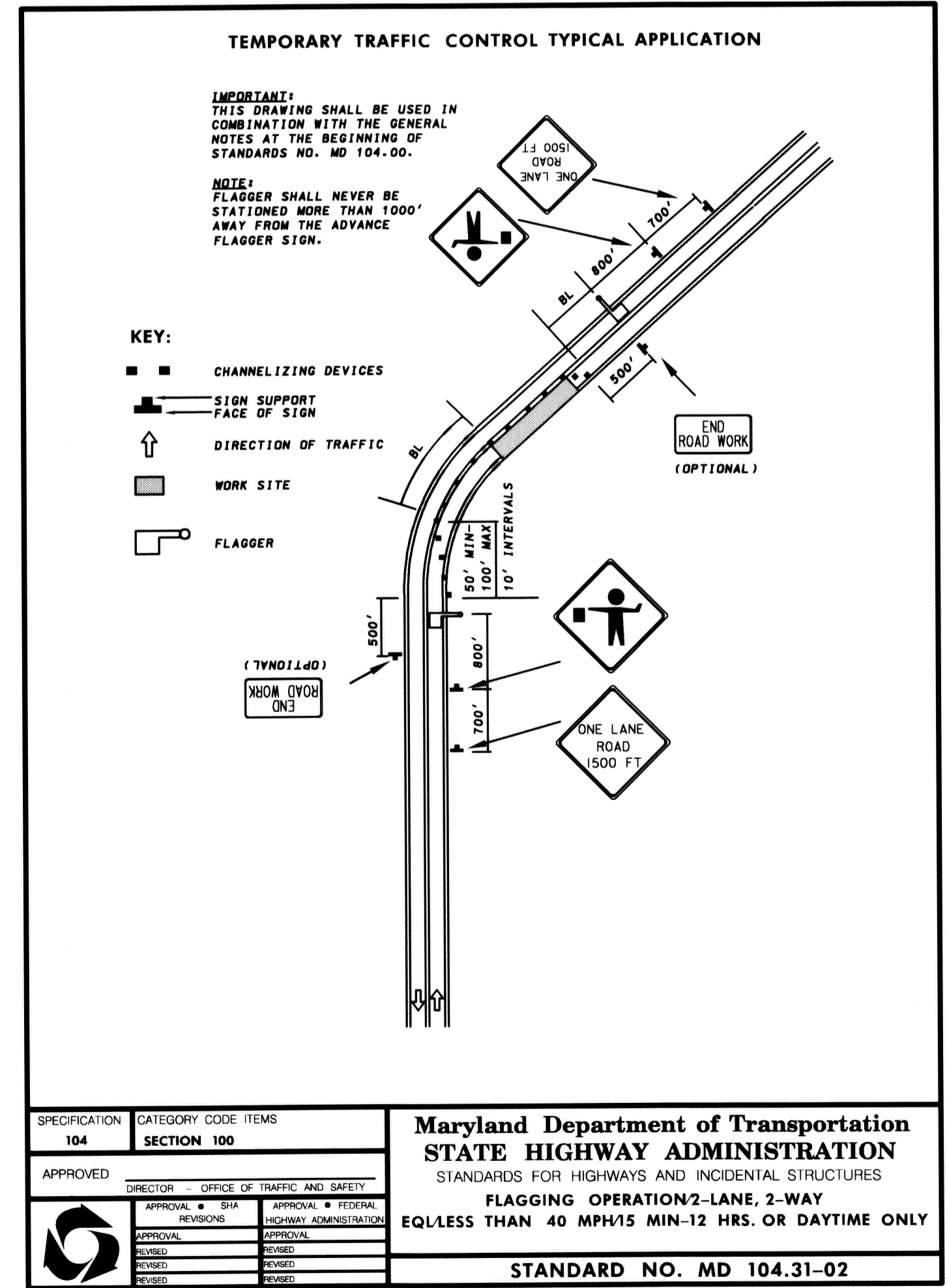
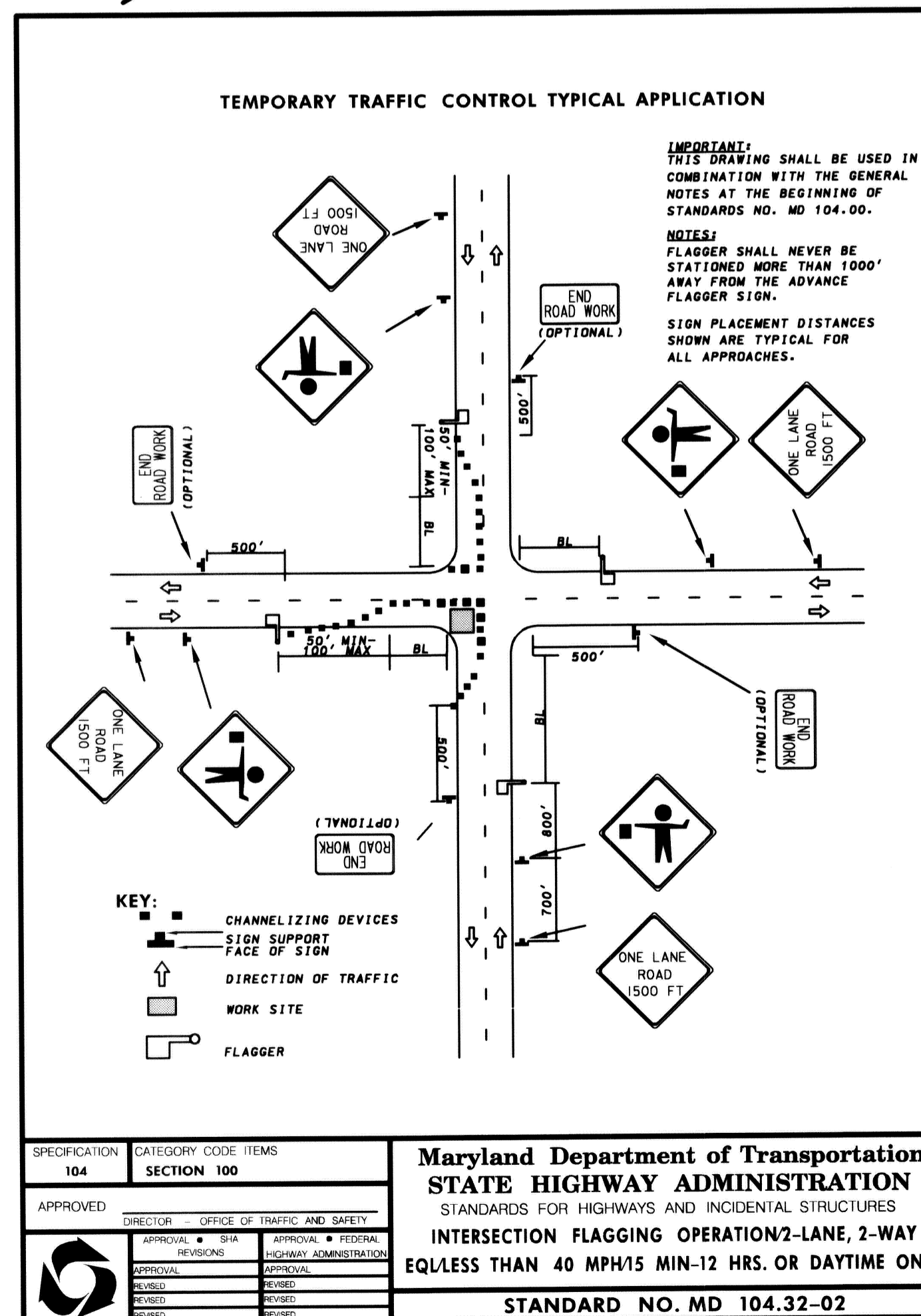


SIGN LEGEND

- | | | |
|--|------------------------------------|-----------------------|
| | END DETOUR | M4-8g
24'x36' |
| | DETOUR | M4-9R
24'x36' |
| | ROAD CLOSED TO THRU TRAFFIC | RII-4
60'x30' |
| | ROAD CLOSED | RII-2
48'x30' |
| | Bonnie View Ln | D-3(MOD)
36' x 12' |
| | DETOUR | M4-8
24'x12' |
| | ROAD CLOSED 1500 FT | M6-3
21'x15' |
| | Bonnie View Ln | D-3(MOD)
36' x 12' |
| | DETOUR 800 FT | M6-2R
21'x15' |
| | Bonnie View Ln | D-3(MOD)
36' x 12' |
| | DETOUR | M4-9L
24'x36' |

TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL SIGNS, CHANNELIZATION DEVICES, BARRICADES, AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND HOWARD COUNTY STANDARDS. TRAFFIC CONTROL DEVICES ALONG US 1 MUST BE IN ACCORDANCE WITH MARYLAND SHA STANDARDS.
2. ALL BLACK ON ORANGE TRAFFIC CONTROL SIGNS SHALL BE CONSTRUCTED WITH HIGH PERFORMANCE WIDE ANGLE RETRO-REFLECTIVE FLUORESCENT ORANGE SHEETING.
3. CONTRACTOR SHALL ATTEMPT TO MAINTAIN TRAFFIC ALONG BONNIE VIEW LANE AT ALL TIMES BY IMPLEMENTING A TYPICAL FLAGGING OPERATION IN ACCORDANCE WITH SHA STD NO. 104.31-02 OR STD NO. 104.32-02 (SEE THIS SHEET). CONTRACTOR SHALL ENSURE THAT DROP-OFFS GREATER THAN 2 INCHES ARE PROTECTED WITH CONCRETE BARRIER, AND A MINIMUM 10 FT TRAVEL LANE SHALL BE MAINTAINED AT ALL TIMES.
4. TO INSTALL STORM DRAIN IN AREAS WHERE CONTRACTOR CAN NOT MAINTAIN A MINIMUM 10 FT TRAVEL LANE, CONTRACTOR MAY BE ALLOWED TO CLOSE BONNIE VIEW LANE DURING DAYTIME WORKING HOURS (9:00 AM TO 4:00 PM) BY IMPLEMENTING A TYPICAL DETOUR FOR ROADWAY CLOSURE, AS SHOWN ON THIS PLAN SHEET. CONTRACTOR SHALL NOTIFY ALL RESIDENTS, IN WRITING, OF SCHEDULED ROADWAY CLOSURES, ONE WEEK PRIOR TO ACTUAL ROADWAY CLOSURE, TO MAINTAIN ACCESS TO HOOKS LANE, CONTRACTOR SHALL IMPLEMENT DETOUR PLAN A OR DETOUR PLAN B, DEPENDING ON LOCATION OF WORK AREA ALONG BONNIE VIEW LANE.
5. CONTRACTOR SHALL STAKE/MARK LOCATIONS OF ALL DETOUR SIGNING FOR APPROVAL BY ENGINEER, PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS. A 250 FT INTER-SIGN SPACING SHALL BE MAINTAINED BETWEEN EXISTING AND PROPOSED SIGNS.
6. CONTRACTOR SHALL ENSURE THAT ACCESS TO HOOKS LANE IS MAINTAINED AT ALL TIMES.
7. CONTRACTOR SHALL ATTEMPT TO MAINTAIN ACCESS TO ALL DRIVEWAYS. IF A TEMPORARY DRIVEWAY CLOSURE IS REQUIRED, CONTRACTOR SHALL NOTIFY IMPACTED RESIDENT 48 HOURS PRIOR TO CLOSURE.
8. CONTRACTOR SHALL LIMIT EXCAVATED WORK AREA TO ONLY THE AMOUNT THAT CAN BE COMPLETED AND BACK-FILLED WITHIN ONE WORK DAY. HOWEVER, ALL EXCAVATED WORK AREAS NOT CONCLUDED BY THE END OF THE WORK DAY SHALL BE COVERED WITH STEEL PLATES. CONTRACTOR SHALL INSTALL 'STEEL PLATES' SIGN (W95-5(1)) ALONG ALL APPROACHES TO PLATED AREA. PAVEMENT DROP-OFFS GREATER THAN 2 INCHES SHALL NOT BE PERMITTED. CONTRACTOR SHALL COVER ALL DETOUR SIGNING AT THE END OF EACH WORK DAY, AND UNCOVER ALL DETOUR SIGNING AT THE BEGINNING OF EACH WORK DAY.
9. THE CONTRACTOR SHALL PROTECT THE ENTIRE WORK AREA WITH TEMPORARY ORANGE CONSTRUCTION FENCE TO PROTECT PEDESTRIANS AND ANIMALS FROM THE WORK AREA.
10. THE CONTRACTOR SHALL INSTALL PVMS'S TWO (2) WEEKS PRIOR TO CONSTRUCTION, WITH MESSAGE 'A' DISPLAY 1 AND DISPLAY 2 WITH 'ON OR ABOUT XX/XX/XX' DATE INSERTED. CONTRACTOR SHALL CHANGE PVMS'S SETUP TO MESSAGE 'B' AT START OF CONSTRUCTION.



SPECIFICATION 104	CATEGORY CODE ITEMS SECTION 100	Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES INTERSECTION FLAGGING OPERATION-2-LANE, 2-WAY EQUALS LESS THAN 40 MPH/15 MIN-12 HRS. OR DAYTIME ONLY STANDARD NO. MD 104.32-02
APPROVED	DIRECTOR • OFFICE OF TRAFFIC AND SAFETY	

SPECIFICATION 104	CATEGORY CODE ITEMS SECTION 100	Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES FLAGGING OPERATION-2-LANE, 2-WAY EQUALS LESS THAN 40 MPH/15 MIN-12 HRS. OR DAYTIME ONLY STANDARD NO. MD 104.31-02
APPROVED	DIRECTOR • OFFICE OF TRAFFIC AND SAFETY	

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Steve Sharan 5/28/04
DATE

6/1/04
DATE

5-28-04
DATE

ENGINEERS:

WR Consulting Engineers
849 Fairmount Avenue (410) 512-4500
Baltimore, Maryland 21286 (410) 324-4100 (FAX)
WHITNEY, BAILEY, COX & MAGNANI, LLC

DES: MJA			
DRN: MJA			
CHK: JWH			
DATE: 01/30/01	BY	NO.	REVISION

TRAFFIC CONTROL PLAN
SCALE: 1" = 500'

100' SCALE MAP NO. 43 BLOCK NO. 10

STORM DRAIN IMPROVEMENT
ELK RIDGE HEIGHTS
HOWARD CO., MARYLAND

SCALE AS SHOWN

SHEET 7 OF 7