

NOTICE TO BIDDERS

THE SPECIFICATIONS FOR THIS CONTRACT WILL BE THOSE OF THE STATE HIGHWAY ADMINISTRATION, TITLED "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS," DATED JULY 2021, REVISIONS THERETO, AND THE SPECIAL PROVISIONS.

SEDIMENT AND EROSION CONTROL WILL BE STRICTLY ENFORCED DURING CONSTRUCTION. BY ENVIRONMENTAL COMPLIANCE SECTION. PHONE NO. 301-600-3507

THE GRADING LIMITS SHOWN ON THE PLANS ARE NOT TO BE EXCEEDED. CHANGES IN THE GRADING, EROSION AND SEDIMENT CONTROL PLAN, OR OTHER SEGMENT OF THE WORK MUST BE REVIEWED AND APPROVED BY THE FREDERICK COUNTY DIVISION OF PUBLIC WORKS.

THE FREDERICK COUNTY DIVISION OF PUBLIC WORKS SHALL ONLY BE RESPONSIBLE FOR THE COMPLETENESS OF DOCUMENTS OBTAINED DIRECTLY FROM FREDERICK COUNTY. FAILURE TO ATTACH ALL ADDENDA MAY CAUSE THE BID TO BE NON-RESPONSIVE.

IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR THAT THE STANDARD PLATES IN HIS / HER POSSESSION ARE THE LATEST REVISED S.H.A STANDARD PLATES AS OF THE DATE OF THE AWARD OF THIS PROJECT.

RIGHT OF WAY LINES ON THESE PLANS ARE FOR ASSISTANCE IN INTERPRETING THE PLANS. THESE LINES DO NOT REPRESENT THE OFFICIAL PROPERTY ACQUISITION LINES. FOR OFFICIAL RIGHT OF WAY AND EASEMENT INFORMATION, SEE APPROPRIATE R / W PLATS NUMBERED XXXX THROUGH XXXX.

MDE PERMIT NO. _____, EXPIRATION DATE: _____

US ARMY CORPS OF ENGINEERS PERMIT NO. _____, EXPIRATION DATE: _____

FREDERICK COUNTY, MARYLAND
DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____
DEVELOPMENT REVIEW CHIEF
DATE _____

APPROVED: _____
STORMWATER MANAGEMENT
DATE _____

Reviewed in accordance with local County requirements. Frederick County assumes no liability for design and/or construction. Approval is valid for two (2) years after the last date shown above. The project must be under construction before the approval expiration to be considered active. Otherwise, resubmittal of plans, including applicable fees, must be made to Development Review for reapproval. Fees for resubmittal cannot be waived.

REV. #	DATE	REVISION DESCRIPTION * FILL IN THESE BLOCKS FOR REVISIONS ONLY	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

Approval Summary Table					
Permit	Applicable Yes	No	Tracking No.	Approval Date	Expiration Date
Soil Conservation District	X				
MDE Wetland and Waterways		X			
MDE NOI for Stormwater Associated with Construction Activity	X				
CLOMIR/LOMR		X			
Other		X			

xxx _____ DATE

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. xxxxx, EXPIRATION DATE: xxxxxx

OWNER'S / DEVELOPER'S CERTIFICATION

I/ WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, AND / OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

AMANDA RADCLIFFE, P. E., CHIEF
FREDERICK COUNTY OFFICE OF TRANSPORTATION ENGINEERING
355 MONTEVUE LANE, SUITE 200
FREDERICK, MARYLAND 21702
301-600-2932

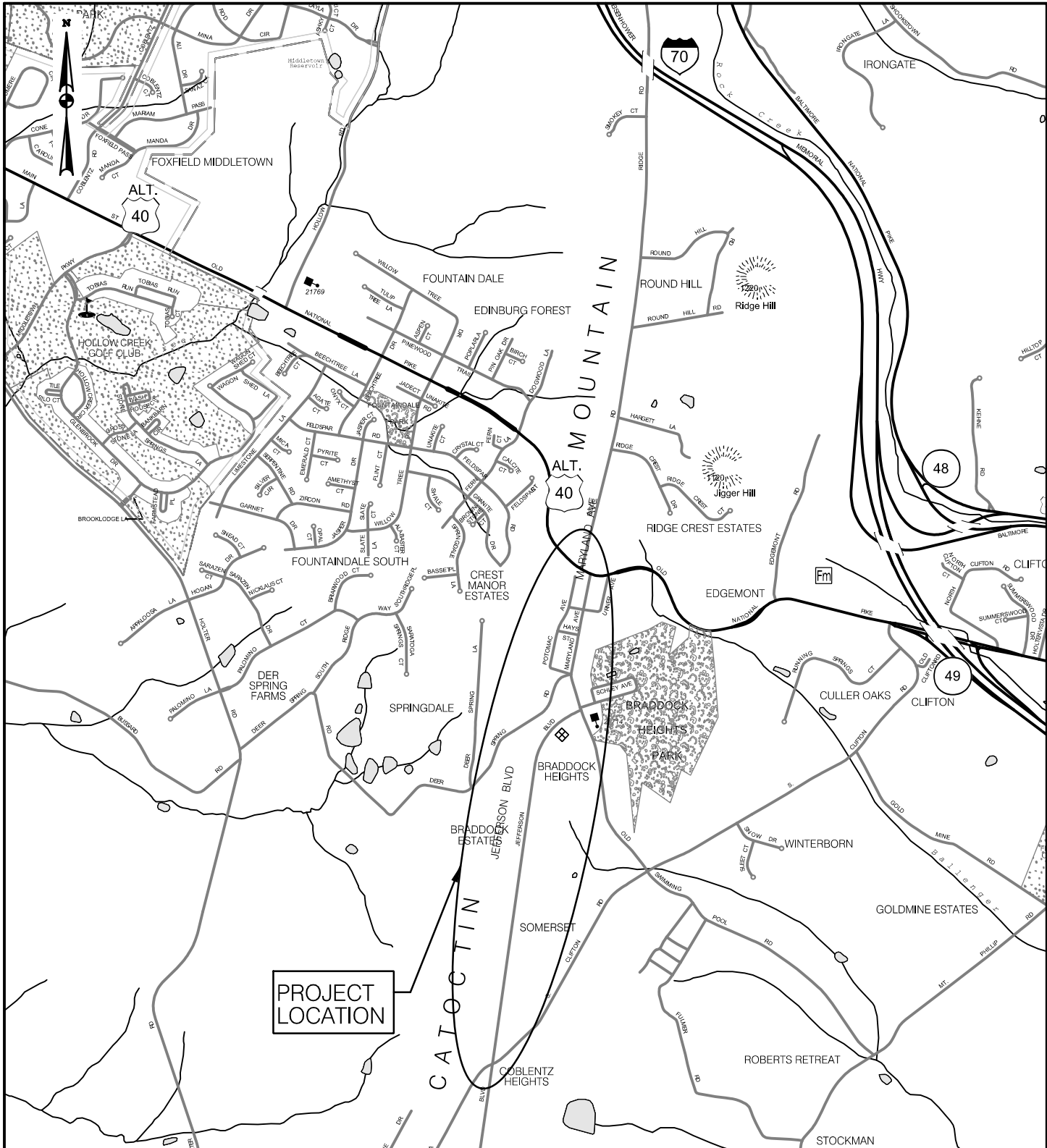
SCD APPROVAL FOR SEDIMENT AND EROSION CONTROL IS CONTINGENT UPON ISSUANCE OF ALL APPLICABLE REGULATORY PERMITS.

SURVEY INFORMATION

FIELD SURVEY PREPARED BY:
GREENMAN-PEDERSEN, INC.

THIS DATA WAS COLLECTED ELECTRONICALLY AND NO PHYSICAL FIELD BOOKS EXIST. CONTROL INFORMATION IS AVAILABLE UPON REQUEST.

HORIZONTAL DATUM: NAD 83 / 2011
VERTICAL DATUM: NAVD 88



LENGTH OF PROJECT: 2.35 MILES
FREDERICK COUNTY

LOCATION MAP

SCALE: 1" = 2000'

TRAFFIC DATA			
	JEFFERSON BLVD	MARYLAND AVE	SCHLEY AVE
ROAD CLASSIFICATION	URBAN MAJOR COLLECTOR	URBAN MAJOR COLLECTOR	LOCAL ROAD
DESIGN SPEED	25 MPH	25 MPH	x
POSTED SPEED	25 MPH	25 MPH	x
A.D.T. (2023)	1,372	2,604	x
A.D.T. (2043)	N/A	N/A	x
PERCENT TRUCKS	40	0	x

FREDERICK COUNTY DIVISION OF PUBLIC WORKS

APPROVED BY: _____
DIRECTOR

DATE _____

FREDERICK COUNTY OFFICE OF TRANSPORTATION ENGINEERING

APPROVED BY: _____
CHIEF

DATE _____

GPI

Engineering | Design | Planning | Construction Management

Greenman-Pedersen, Inc.
10025 Governor Warfield Parkway, Suite 400
Columbia, MD 21044
Tel: 410.880.3055

Internal Use Only

Development Review

File #

A / P #

Due Date:

www.gpinet.com

FREDERICK COUNTY, MARYLAND

DIVISION OF PUBLIC WORKS

DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGEMENT

OFFICE OF TRANSPORTATION ENGINEERING

FREDERICK COUNTY, MARYLAND

BRADDOCK HEIGHTS IMPROVEMENT PROJECT

TITLE SHEET

DATE: May 2025

SCALE: AS SHOWN

FREDERICK COUNTY PROJECT NO.: 21-337

DWG. 1 OF 50

UTILITY GENERAL NOTE

ALL WATER AND SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FREDERICK COUNTY GENERAL CONDITIONS AND STANDARD SPECIFICATIONS AND DETAILS FOR WATER MAINS, SANITARY SEWER AND RELATED STRUCTURES, SPECIAL PROVISIONS AND AMENDMENTS THERETO.

EXISTING UTILITIES

THE TYPE AND LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION AND GUIDANCE ONLY. NO GUARANTEE IS MADE AS TO THE ACCURACY OF SAID LOCATIONS. CONTACT "MISS UTILITY" AT 1-800-257-7777 A MINIMUM OF 5 DAYS PRIOR TO START OF WORK.

WHEN CLEARING AND GRUBBING TO INSTALL AND DURING THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES WITHIN THE TEMPORARY EASEMENT AREAS, (BETWEEN THE LIMITS OF PERMANENT GRADING AND LIMIT OF DISTURBANCE), THE CONTRACTOR SHALL MAKE EVERY POSSIBLE ATTEMPT TO AVOID UNNECESSARY DISTURBANCE TO EXISTING TREES, STRUCTURES AND LANDSCAPING WITHIN THE AREA. THE CONTRACTOR SHALL PRESENT THE ENGINEER WITH POSSIBLE OPTIONS TO MINIMIZE DISTURBANCES TO THESE ITEMS FOR APPROVAL.

DISTURBED AREA QUANTITY

THE TOTAL AREA TO BE DISTURBED AS SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE APPROXIMATELY 8.56 ACRES, AND THE TOTAL AMOUNT OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO BE APPROXIMATELY xxx CUBIC YARDS** OF EXCAVATION AND APPROXIMATELY xxx CUBIC YARDS** OF FILL.

xxx _____ LICENSE REG NO. _____ DATE

**THESE QUANTITIES ARE APPROXIMATE AND SHALL NOT BE USED BY THE CONTRACTOR FOR BIDDING PURPOSES.

ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH LOCAL ORDINANCES, COMAR 26.17.01.07 AND "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" (LATEST VERSION AND REVISIONS).

xxx _____ LICENSE REG NO. _____ DATE

ADA COMPLIANCE

THE DESIGN OF THIS PROJECT HAS INCORPORATED FACILITIES FOR THE ELDERLY AND HANDICAPPED IN COMPLIANCE WITH THE STATE AND FEDERAL LEGISLATION.

AASHTO	American Association of State Highway Transportation Officials	HDWL.....	Headwall	RW or RW.....	Right of Way
ADT.....	Average Daily Traffic	HERCP.....	Horizontal Elliptical Reinforced Concrete Pipe	RCP.....	Reinforced Concrete Pipe
AHD.....	Ahead	HP.....	High Point	RCPP.....	Reinforced Concrete Pressure Pipe
APPROX.....	Approximate	IN.....	Inch	R.Q.D.....	Rock Quality Designation
BL or BL.....	Baseline	I.S.T.....	Inlet Sediment Trap	R.M.....	Rootmat
BK.....	Back /Book	INV.....	Invert	S.....	South
BIT.....	Bituminous	J.B.....	Junction Box	SAN.....	Sanitary Sewer
B.C.....	Bituminous Concrete	K.....	K Inlet	SB or S/B.....	Southbound
B.M.....	Bench Mark	L.....	Length	S.D.....	Storm Drain
BOT.....	Bottom	LF.....	Linear Feet	S.D.D.....	Surface Drain Ditch
C.C.....	Center of Curve	L.L.....	Liquid Limit	SE.....	Super Elevation
CAP.....	Corrugated Aluminum Pipe	LP.....	Low Point	SF.....	Silt Fence
CAPA.....	Corrugated Aluminum Pipe Arch	L.P.....	Light Pole	SF.....	Square Feet
CATV.....	Cable Television	LT.....	Left	SHT.....	Sheet
C.B.R.....	California Bearing Ratio	MAC.....	Macadam	SPP.....	Structural Steel Plate Pipe
CL or CL.....	Centerline	M.C.....	Moisture Content	SPPA.....	Structural Steel Plate Pipe Arch
CL.....	Class	MAX.....	Maximum	S.P.T.....	Standard Penetration Testing
CLF.....	Chainlink Fence	M.D.D.....	Maximum Dry Content	SRP.....	Steel Spiral Rib Pipe – Aluminized Type 2
CMP.....	Corrugated Metal Pipe	MOD.....	Modified	SRPA.....	Steel Spiral Rib Pipe Arch – Aluminized Type 2
C.O.....	Cleanout	MIN.....	Minimum	SSD.....	Stopping Sight Distance
COMB.....	Combination	N.....	North	SSF.....	Super Silt Fence
CONC.....	Concrete	NB.....	Northbound	STD.....	Standard
CONSTR.....	Construction	NE.....	Northeast	STA.....	Station
COR.....	Corner	N.P.....	Non-Plastic	SO.....	Single Opening
CORR.....	Correction	O.C.....	On Center	SY.....	Square Yards
CPP-S.....	Corrugated Polyethylene Pipe – Type ‘S’	OHE.....	Overhead Electric	SWM.....	Stormwater Management
CSP.....	Corrugated Steel Pipe – Aluminized Type 2	O.M.....	Optimum Moisture	T.....	Tangent
CSPA.....	Corrugated Steel Pipe Arch – Aluminized Type 2	PAV T.....	Pavement	T.....	Telephone
DC.....	Degree of Curve	PC.....	Point of Curvature	T.C.....	Top of Cover
D.H.V.....	Design Hourly Volume	PCC.....	Point of Compound Curvature	T.G.....	Top of Grate
D.I.....	Drop Inlet	P/C.....	Point of Crown	T or TL.....	Traverse Line
DIA.....	Diameter	P/GE.....	Profile Grade Elevation	T.M.....	Top of Manhole
D.O.....	Double Opening	P.G.E.....	Profile Ground Elevation	TRAV.....	Traverse
E.....	East	P.G.L.....	Profile Grade Line	TS.....	Temporary Swale
E.....	Electric	P/GL.....	Profile Ground Line	T.S.....	Top of Slab
E.....	External Distance	P/R.....	Point of Rotation	T.S.....	Topsoil
EA.....	Each	P.I.....	Plasticity Index	TYP.....	Typical
EB.....	Eastbound	PI.....	Point of Intersection	U.D.....	Under Drain
ELEV.....	Elevation	POC.....	Point On Curve	U.G.....	Underground
ES.....	End Section	POT.....	Point On Tangent	U.P.....	Utility Pole
EX or EXIST.....	Existing	PPWP.....	Polyvinyl Chloride Profile Wall Pipe	USDA.....	United States Department of Agriculture
FT.....	Feet	PROP.....	Proposed	VCL.....	Vertical Clearance
F or FL.....	Flowline	PRC.....	Point of Reverse Curve	V.C.L.....	Vertical Curve Length
F.B.D.....	Flat Bottom Ditch	PT.....	Point	W.....	Water
F.H.....	Fire Hydrant	PT.....	Point of Tangency	W.....	West
FWD.....	Forward	PVC.....	Point of Vertical Curve	WB.....	Westbound
G.....	Gas	PVC.....	Polyvinyl Chloride	WB.....	Wetland Buffer
G.V.....	Gas Valve	PVI.....	Point of Vertical Intersection	W.M.....	Water Meter
H.B.....	Handbox	PVRC.....	Point of Vertical Reverse Curve	W.S.....	Wrapped Steel
HDPE.....	High Density Polyethylene	PVT.....	Point of Vertical Tangency	WUS.....	Waters of the United States
		R.....	Radius	W.V.....	Water Valve
		R.F.....	Rock Fragments		
		RT.....	Right		

WHERE REFERENCE IS MADE TO STANDARDS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE IN THEIR POSSESSION THE MARYLAND SHA "BOOK OF STANDARDS, HIGHWAY AND INCIDENTAL STRUCTURES" WITH THE LATEST UP TO DATE MD SHA STANDARDS AS OF THE DATE OF ADVERTISEMENT OF THIS PROJECT. WWW.ROADS.MARYLAND.GOV.

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SURVEY STAKEOUT AND LOCAL VERTICAL CONTROL AS REQUIRED TO OBTAIN POSITIVE GRADES AND FOR THE PURPOSE OF ANY EARTHWORK COMPUTATION.

PIPE CULVERTS: THE INVERT ELEVATION LOCATION AND LENGTH OF PIPES SHALL BE VERIFIED BY THE CONTRACTOR AT ANY DRAINAGE STRUCTURES BEFORE ORDERING.

DITCHES: TYPE OF DITCHES ARE NOTED ON THE PLANS. DITCHES WILL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS AND/OR STANDARD PLATES. CONTRACTOR TO DETERMINE INVERTS AND ELEVATIONS, AS NECESSARY, TO ACHIEVE POSITIVE DRAINAGE.

MATERIALS SALVAGED: MATERIALS SALVAGED DURING CONSTRUCTION SHALL BECOME THE CONTRACTOR'S PROPERTY UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIAL PROVISIONS.

UTILITIES: THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. UTILITY LOCATIONS HAVE BEEN COMPILED FROM DATA FURNISHED BY THE PERTINENT UTILITY COMPANIES AND FROM TEST PITS OBTAINED FOR THIS PROJECT WHERE INDICATED.

FREDERICK COUNTY DOES NOT WARRANT THE CORRECTNESS OF THE TOPOGRAPHIC OR UTILITY DATA PRESENT HEREIN AND IS NOT RESPONSIBLE FOR ANY CONCLUSIONS DRAWN FROM THEM.

THE CONTRACTOR MUST PROTECT IN PLACE ALL ACTIVE UNDERGROUND UTILITIES UNLESS OTHER TREATMENT IS CALLED FOR.

THE CONTRACTOR SHALL CONTACT MISS UTILITY AT (800) 257-7777 TO ARRANGE FOR STAKEOUT OF UTILITIES AT LEAST THREE DAYS BEFORE STARTING ANY CONSTRUCTION.

LANDSCAPING: UNLESS OTHERWISE NOTED, ALL GRADED AREAS NOT OTHERWISE SURFACED SHALL RECEIVE 4" TOP SOIL AND TURFGRASS ESTABLISHMENT.

SIDEWALK RAMPS ARE TO BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH SHA STANDARDS DETAILS AND DETAILS SHOWN ON THESE PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER.

INVERT ELEVATIONS: ALL INVERT ELEVATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL PROPOSED INLET AND MANHOLE LOCATIONS AND EXISTING UTILITY CROSSING ELEVATIONS PRIOR TO FABRICATION OF PRECAST DRAINAGE STRUCTURES. ALL CONFLICTS SHALL BE REPORTED TO THE ENGINEER.

THE CONTRACTOR SHALL VERIFY ALL STORM DRAIN LAYOUT INFORMATION PRIOR TO INSTALLATION. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.

ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND SHALL BE CONSTRUCTED TO ENSURE POSITIVE DRAINAGE.

IN SOME INSTANCES THE IMPROVEMENTS/LOD SHOWN ON THE PLANS WILL BE OUTSIDE OF THE RIGHT OF WAY LINE. WHEN THE IMPROVEMENTS ARE "REPLACE IN KIND" NO ENTRY AGREEMENT WILL BE REQUIRED. NEW IMPROVEMENTS REQUIRE ENTRY AGREEMENTS AND WILL BE OBTAINED BY FREDERICK COUNTY.

RESURFACING LIMITS ON INTERSECTING SIDE ROADS/DRIVEWAYS ARE GIVEN BY OFFSET REFERENCES ON PLAN VIEW SKETCHES. MILLING AND RESURFACING SHALL BE PERFORMED TO ESTABLISH PERPENDICULAR LINE ACROSS SIDE ROAD/DRIVEWAY COINCIDING WITH AN EXISTING PAVEMENT JOINT OR TO FOLLOW EXISTING RIGHT OF WAY LINE.

THESE PLANS HAVE BEEN GENERATED BY TOPOGRAPHY OBTAINED THROUGH SURVEY, GIS, AERIAL MAPPING, FIELD DATA AND AS-BUILT PLAN INFORMATION AND MAY NOT TRULY REFLECT ACTUAL CURRENT FIELD CONDITIONS. ADDITIONAL FIELD RUN TOPOGRAPHIC SURVEY MAY BE REQUIRED IN SPECIFIC AREAS TO PROVIDE ACCURATE DESIGN OF "NON-STANDARD" PEDESTRIAN RAMPS. THE PLAN VIEW SKETCHES ARE INTENDED TO DEFINE THE WORK REQUIRED. FIELD ADJUSTMENTS MAY BE REQUIRED AS NEEDED TO SUIT ACTUAL FIELD CONDITIONS.

ALL WORK ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FREDERICK COUNTY DIVISION OF UTILITIES AND SOLID WASTE MANAGEMENT GENERAL CONDITIONS AND STANDARD SPECIFICATIONS. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD AND SPECIFICATIONS FOR THE MARYLAND STATE HIGHWAY ADMINISTRATION.

ALL DISTURBED AREAS SHALL BE STABILIZED THE SAME DAY. NO MORE AREA SHALL BE DISTURBED THAT CAN BE STABILIZED BY THE END OF EACH WORKDAY. DISTURBED AREAS SHALL BE STABILIZED WITH SEED AND MULCH, SOIL STABILIZATION MATTING, OR SOD. THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO MINIMIZE UNNECESSARY DISTURBANCE.

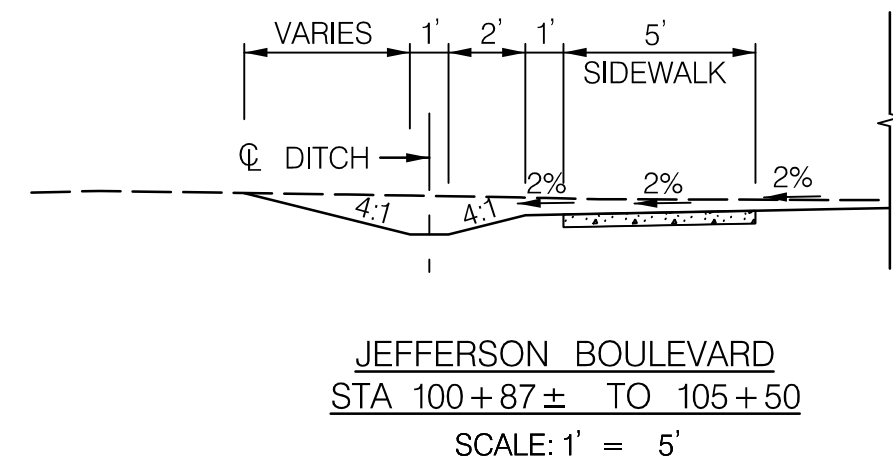
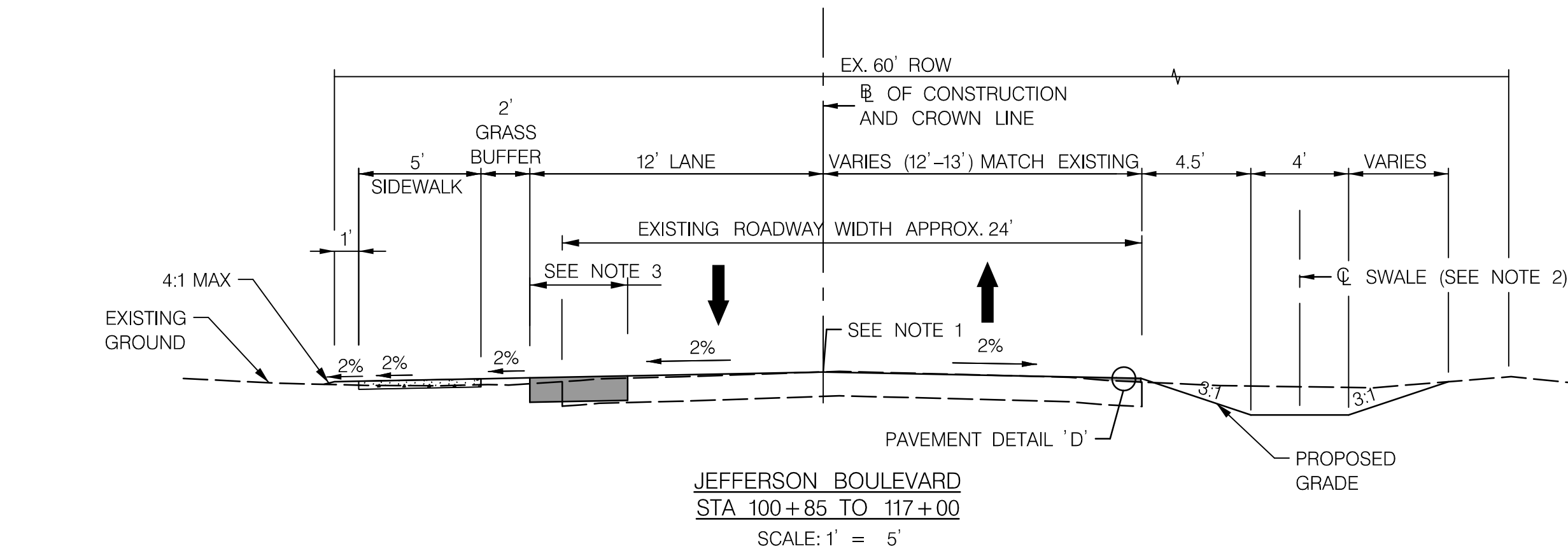
REPAIRS TO UTILITIES OR PROPERTY DAMAGED AS A CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION MUST BE MADE AT THE CONTRACTOR'S EXPENSE BEFORE PROCEEDING WITH CONSTRUCTION.

GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE, UNLESS OTHERWISE INDICATED.

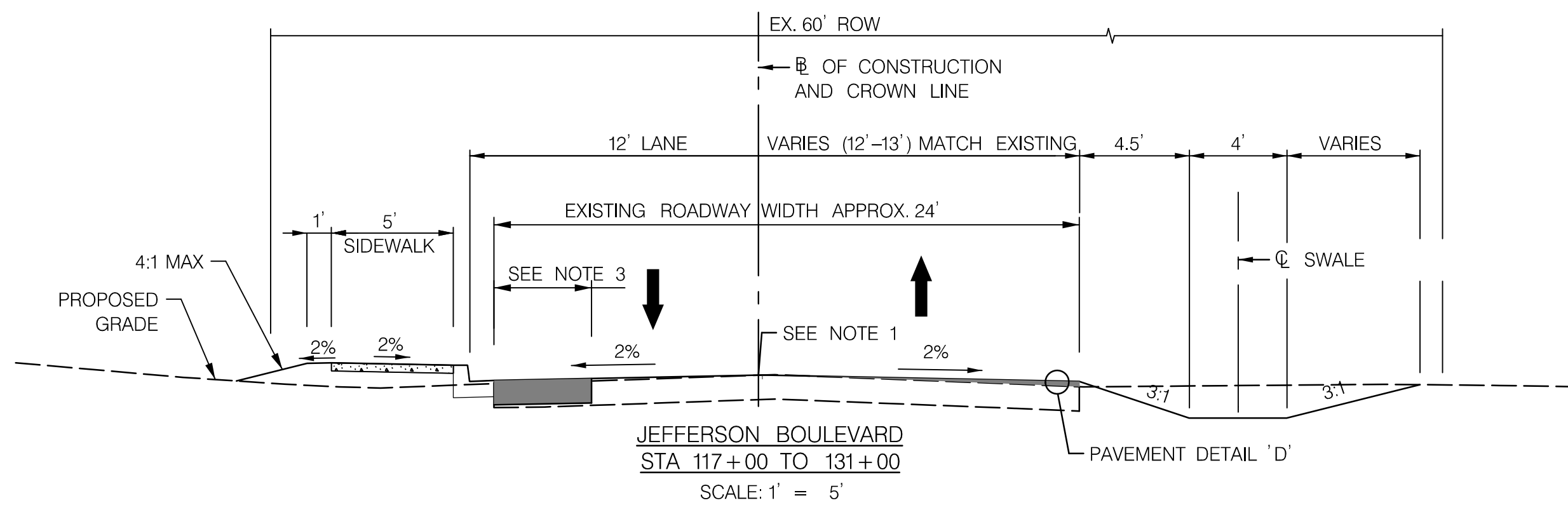
PROPOSED MEDIAN BARRIER		PROPOSED PIPE /CULVERT	
ELECTRICAL HAND BOX - SIGNALS		EXISTING PIPE /CULVERT	
FLOW LINE		EXISTING DROP INLET	
STATE, COUNTY OR CITY LINES		UTILITY POLE	
PROPOSED TRAFFIC BARRIER		WETLAND	
EXISTING TRAFFIC BARRIER		WETLAND BUFFER	
PROPOSED FENCE LINE		WATERS OF THE U.S. WUS OR	
EXISTING FENCE LINE		HEDGE /TREE LINE	
RIGHT OF WAY LINE		BUSH /TREE	
EXISTING ROADWAY		CONIFEROUS TREE	
RAILROAD		GROUND ELEVATION	
BASE LINE OR SURVEY LINE		GRADE ELEVATION	
FIRE HYDRANT		PROP. CUT LINES	
HISTORIC BOUNDARY		PROP. FILL LINES	
WETLAND BOUNDARY			

DATE: May 2025 SCALE: 1' = 30'

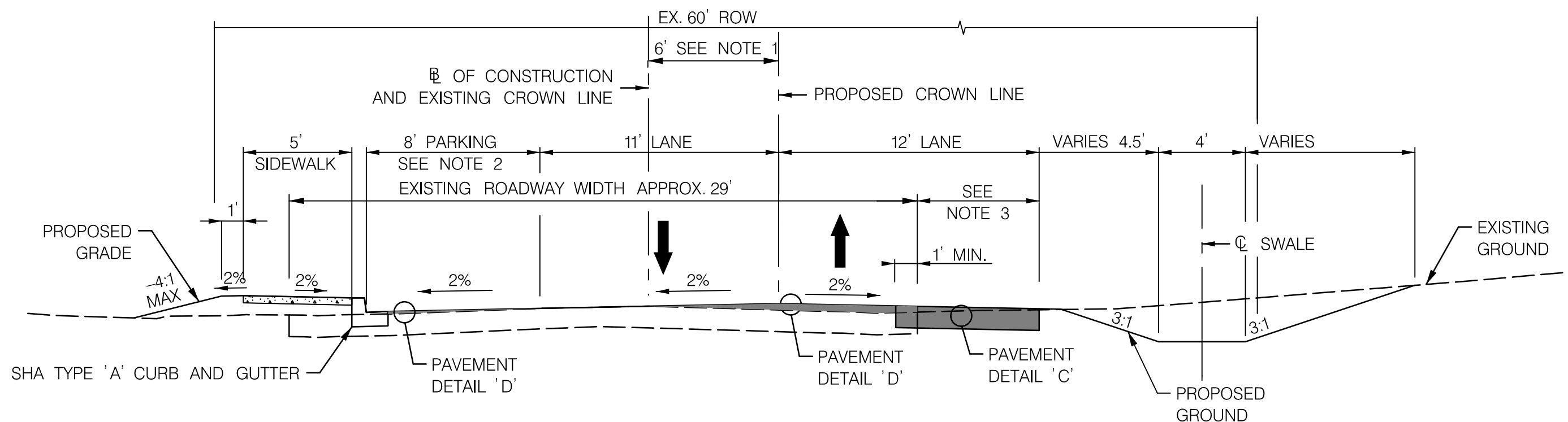
FREDERICK COUNTY PROJECT NO.: DWG. 02
XX-XXX



- NOTE 1. 2 INCH OVERLAY FROM STA. 100+87 TO STA. 106+30. SEE PAVEMENT DETAIL 'F' FOR TIE-IN DETAIL.
- SWALE TO BE USED FOR SWM CREDIT STA. 101+25 TO STA. 117+00.
- FULL DEPTH PAVEMENT RECONSTRUCTION 4' MIN. SEE ROADWAY PLANS FOR LIMITS AND PAVEMENT DETAIL 'C'.

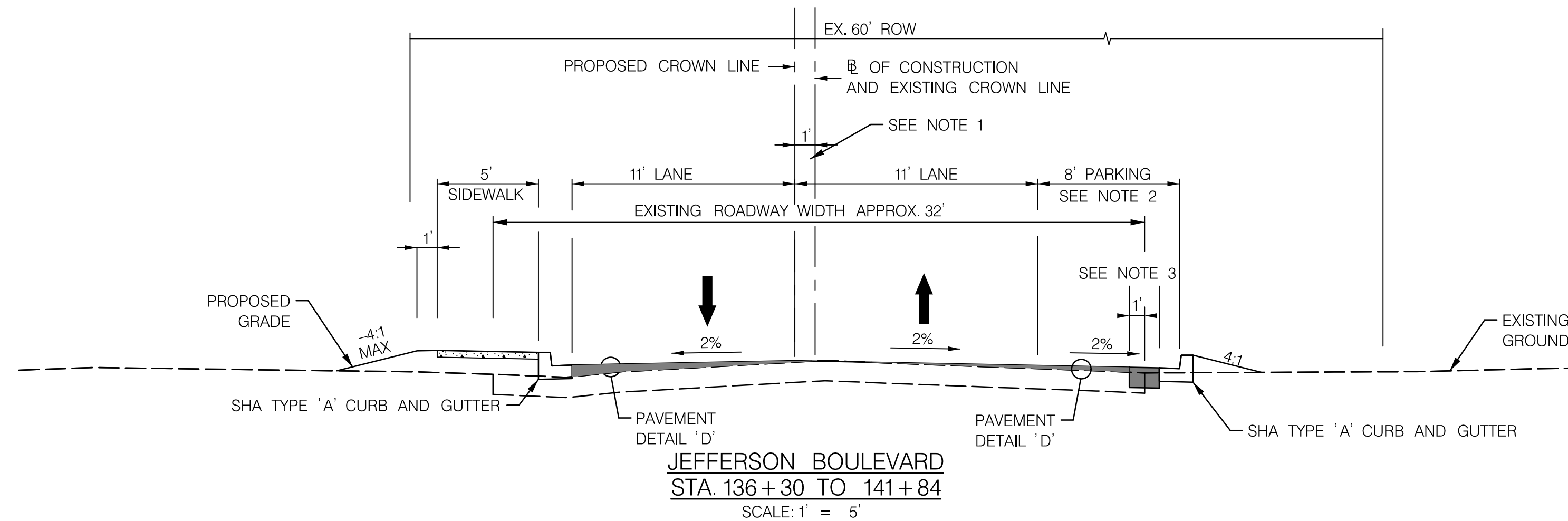


- NOTE 1. 2 INCH OVERLAY FROM STA. 121+30 TO STA. 122+05. STA. 123+25 TO STA. 125+05. SEE PAVEMENT DETAIL 'F' FOR TIE-IN DETAIL.
- FULL DEPTH PAVEMENT RECONSTRUCTION 4' MIN. SEE ROADWAY PLANS FOR LIMITS AND PAVEMENT DETAIL 'C'.

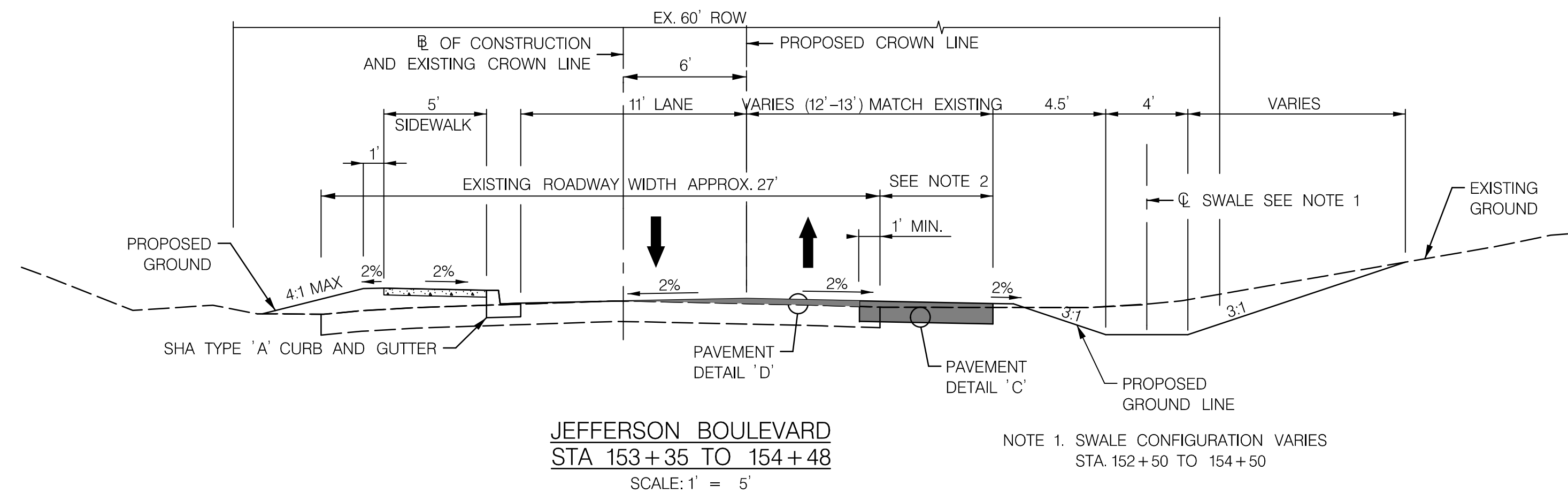


JEFFERSON BOULEVARD
STA 131+00 TO 136+30
STA 141+84 TO 153+35
SCALE: 1" = 5'

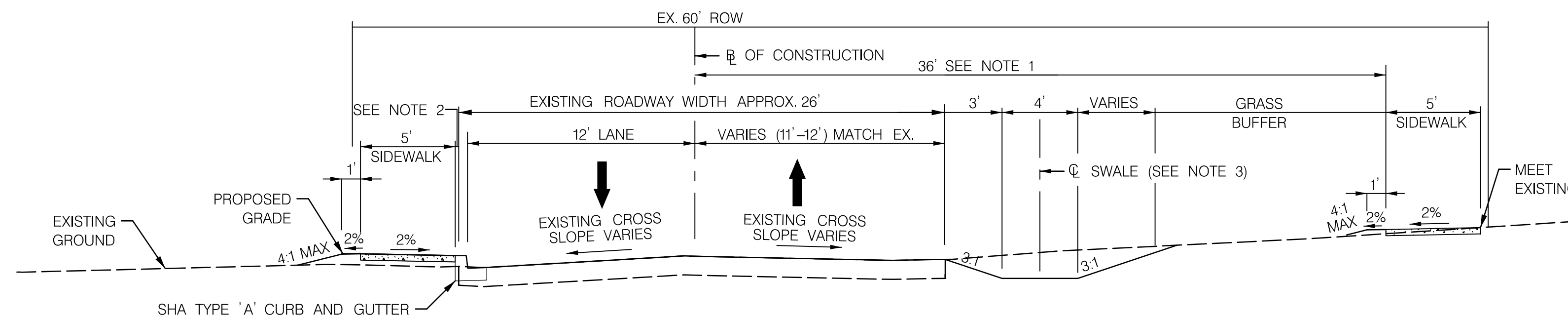
- NOTE 1. TRANSITION CROWN LINE FROM 0' AT STATION 131+00 TO 6' RIGHT OF BASELINE AT STATION 131+84. TRANSITION CROWN LINE FROM 1' LEFT OF BASELINE AT STATION 141+84 TO 6' RIGHT OF BASELINE AT STATION 142+84.
- TRANSITION PARKING FROM 0' AT STATION 131+00 TO 8' AT STATION 131+84. TRANSITION PARKING FROM 0' AT STATION 141+84 TO 8' AT STATION 142+84. TRANSITION PARKING FROM 8' AT STATION 153+13 TO 0' AT STATION 153+35.
- FULL DEPTH PAVEMENT RECONSTRUCTION 4' MIN. SEE PLANS FOR LIMITS AND PAVEMENT DETAIL 'C'.



- NOTE 1. TRANSITION CROWN LINE FROM 6' RIGHT OF BASELINE AT STATION 136+30 TO 1' LEFT OF BASELINE AT STATION 137+30.
- TRANSITION PARKING FROM 0' AT STATION 136+30 TO 8' AT STATION 137+30.
- FULL DEPTH PAVEMENT RECONSTRUCTION 4' MIN.



- NOTE 1. SWALE CONFIGURATION VARIES STA. 152+50 TO 154+50
- FULL DEPTH PAVEMENT RECONSTRUCTION WIDTH VARIES 4' MIN.



MARYLAND AVENUE
STA 201+90 TO 206+50
SCALE: 1" = 5'

- NOTE 1. VARIES FROM 36' AT STATION 206+14 TO 33.5' AT STATION 206+50.
- BUFFER VARIES FROM 0' AT STATION 206+20 TO 4.3' AT STATION 206+58. SEE ROADWAY PLANS FOR DETAILS.
- PROP. SWALE FROM STA. 205+60 TO STA. 206+50.

HT-01

FREDERICK COUNTY, MARYLAND
DIVISION OF PUBLIC WORKS
DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGEMENT
OFFICE OF TRANSPORTATION ENGINEERING
FREDERICK COUNTY, MARYLAND

**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

TYPICAL SECTIONS & DETAILS

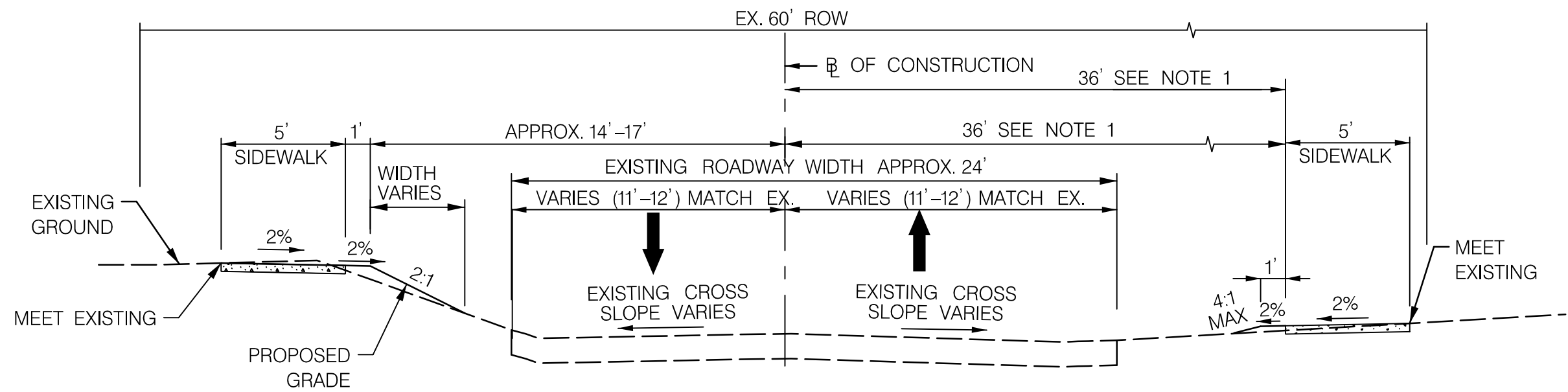
DATE: May 2025
FREDERICK COUNTY PROJECT NO.: XX-XXX
SCALE: AS SHOWN
DWG. 03 OF 50

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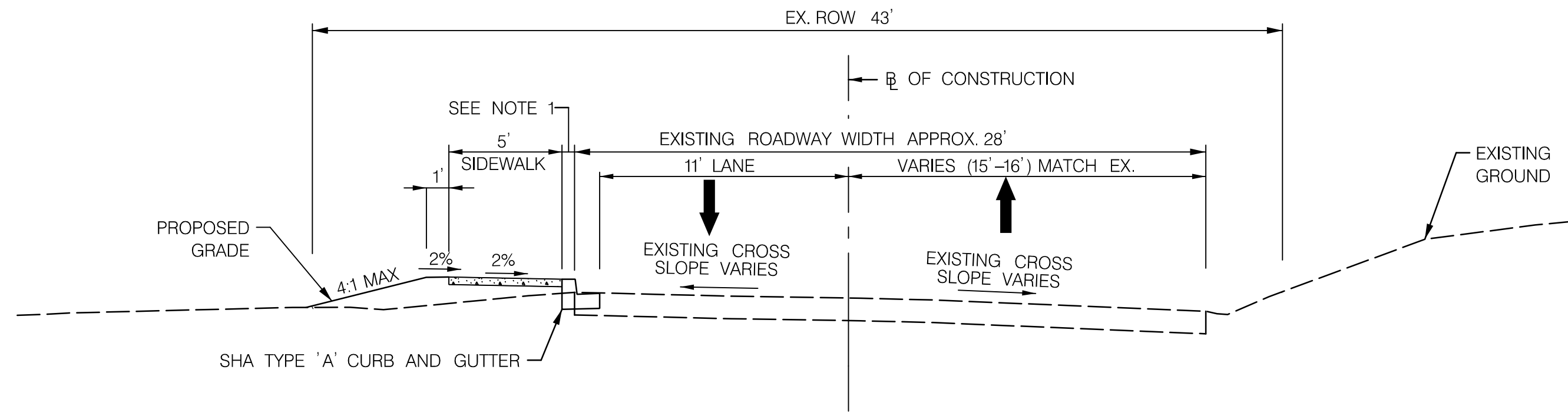
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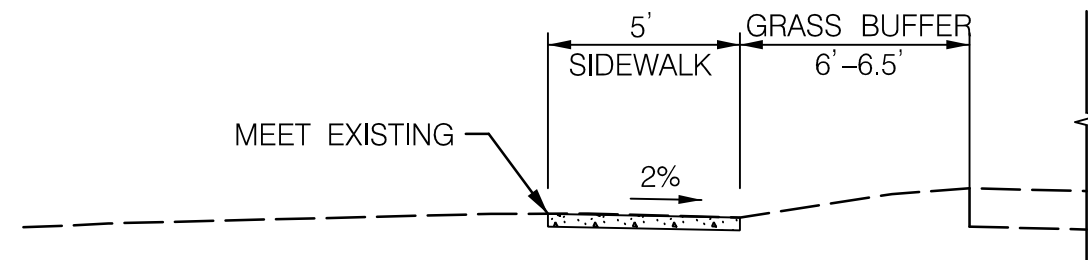


MARYLAND AVENUE
STA 207+17 TO 212+50
SCALE: 1" = 5'

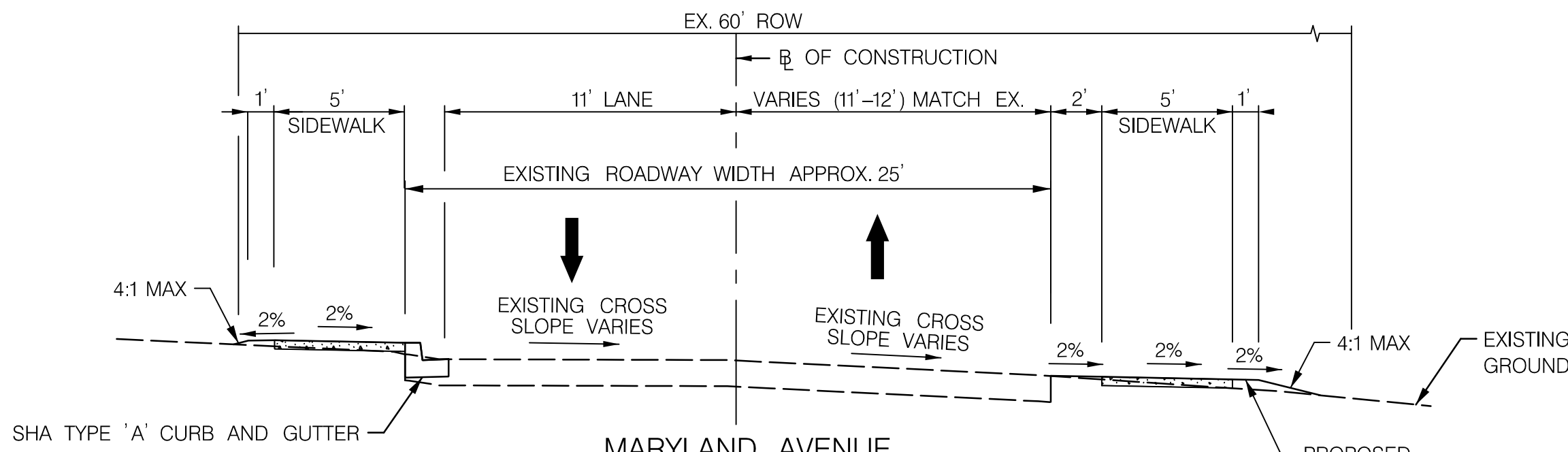


NOTE 1: 6' GRASS BUFFER FROM STATION 303+07 TO STATION 303+50

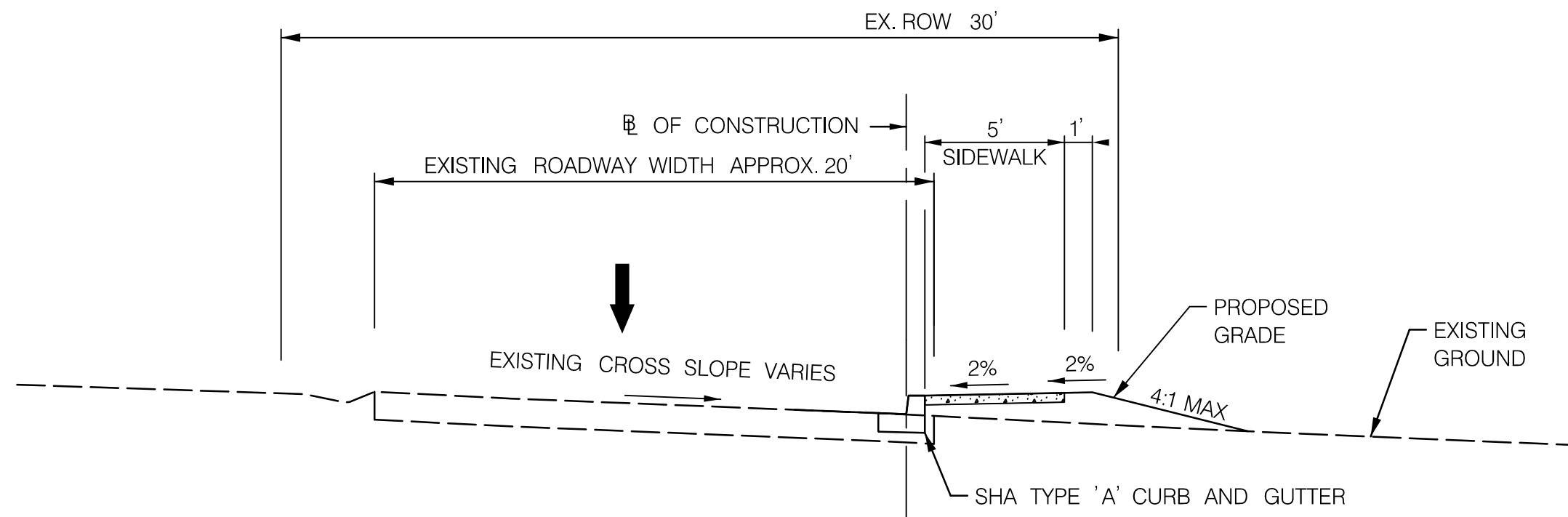
SCHLEY AVENUE
STA 300+42 TO 303+50
SCALE: 1" = 5'



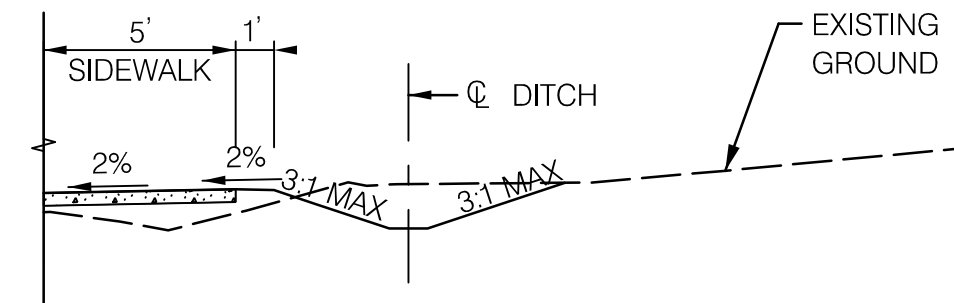
SCHLEY AVENUE
STA 303+07 TO STA 303+50
SCALE: 1" = 5'



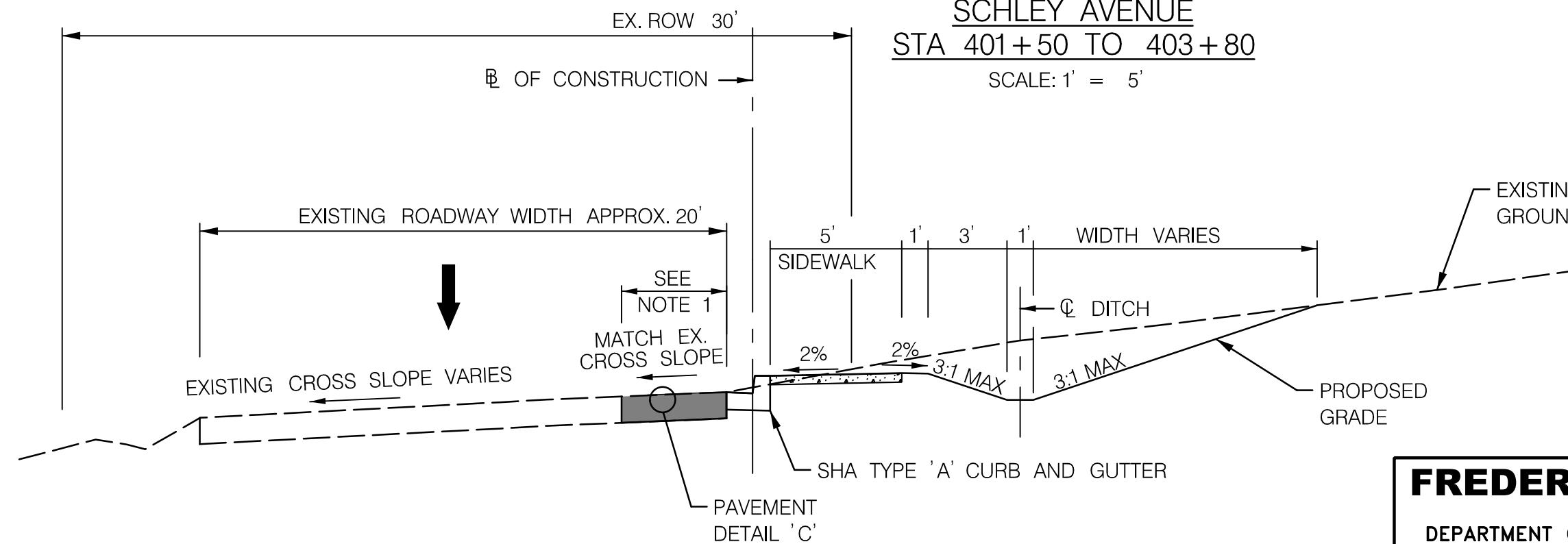
MARYLAND AVENUE
STA 212+50 TO 216+77
SCALE: 1" = 5'



SCHLEY AVENUE
STA 400+30 TO 406+42
SCALE: 1" = 5'

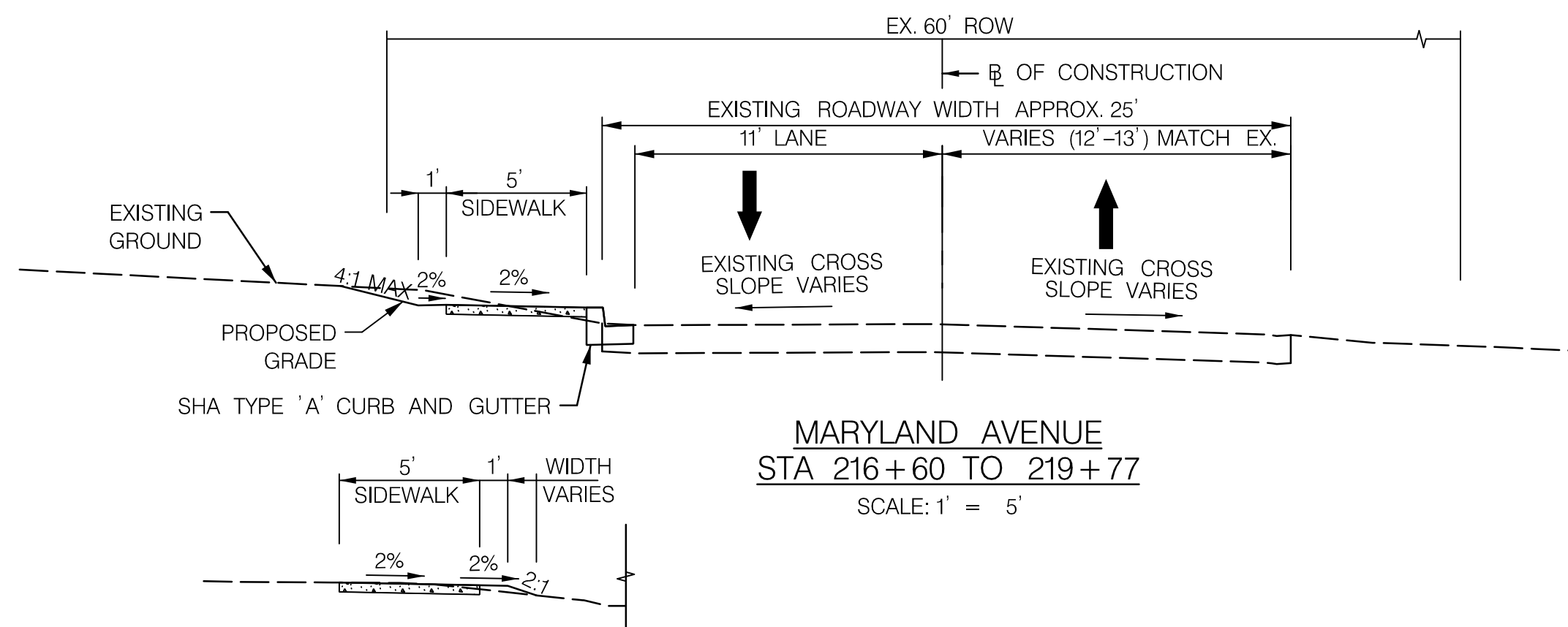


SCHLEY AVENUE
STA 401+50 TO 403+80
SCALE: 1" = 5'



SCHLEY AVENUE
STA 406+42 TO 408+50
SCALE: 1" = 5'

NOTE 1. FULL DEPTH PAVEMENT RECONSTRUCTION. 4' MIN. SEE PLANS FOR LIMITS AND PAVEMENT DETAIL 'C'.



MARYLAND AVENUE
STA 216+60 TO 219+77
SCALE: 1" = 5'

MARYLAND AVENUE
STA 218+50 TO 219+77
SCALE: 1" = 5'

HT-02

FREDERICK COUNTY, MARYLAND
DIVISION OF PUBLIC WORKS
DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGEMENT
OFFICE OF TRANSPORTATION ENGINEERING
FREDERICK COUNTY, MARYLAND

**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

TYPICAL SECTIONS & DETAILS

DATE: May 2025

SCALE: AS SHOWN

FREDERICK COUNTY PROJECT NO.: XX-XXX

DWG. 04 OF 50

GPI

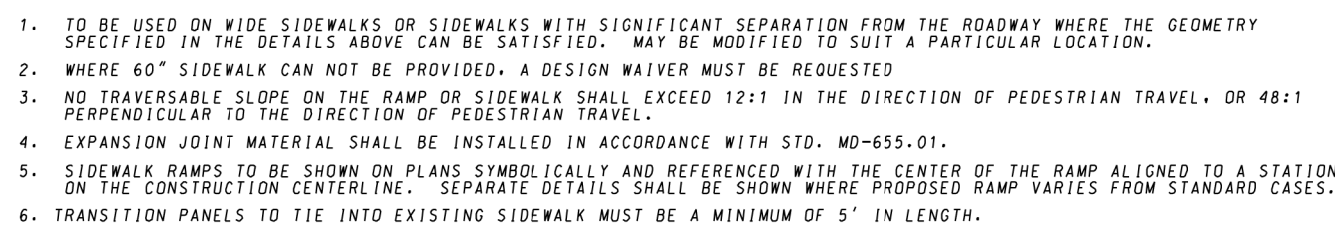
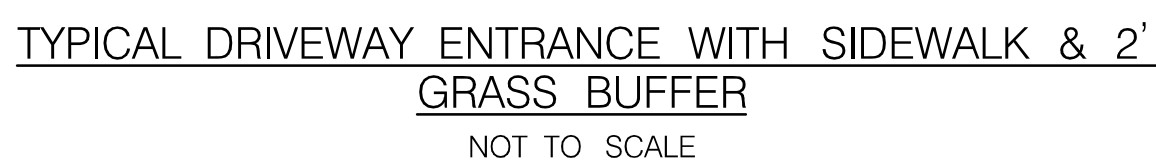
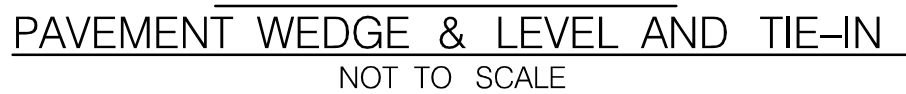
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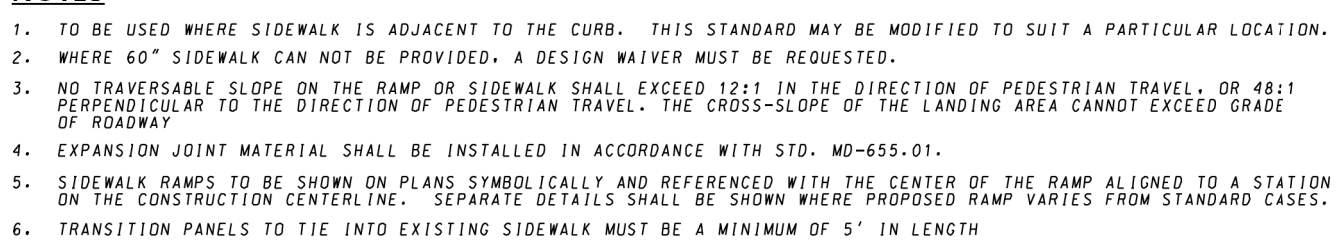
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Tel: 410.880.3055



1. THIS WORK IS TO BE DONE AT THE CONTRACTOR'S OPTION, THIS 1' WIDTH (MAXIMUM EXCAVATION MAY BE USED FOR CURB AND GUTTER FORM PLACEMENT, THE ADDITIONAL EXCAVATION WIDTH IS TO BE FILLED WITH PCC MIX NO. 1 CONCRETE TO THE BOTTOM OF THE FINAL ASPHALT MIX COURSE. PAYMENT SHALL BE INCIDENTAL TO THE LINEAR FOOT ITEM FOR CURB AND GUTTER. JOINTS SHALL MATCH THOSE OF THE CURB AND GUTTER. NO DOWEL BARS ARE NEEDED.
2. ALL COSTS FOR ITEMS, MATERIALS, TOOLS, AND LABOR FOR EXCAVATION, PCC MIX, GAB AND FULL DEPTH SAW CUT EXCEPT FOR ASPHALT MIX SURFACE AND MILLING SHALL BE INCIDENTAL AND INCLUDED IN THE PRICE OF THE LINEAR FOOT ITEM FOR CURB AND GUTTER.



SPECIFICATION 603 & 611	CATEGORY CODE ITEMS	Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
APPROVED		
DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT		
	APPROVAL - SHA PERSONS APPROVED - 2-18-64 REVIEWED - 3-25-68 REVISIONS - 6-2-14	APPROVAL - FEDERAL HIGHWAY ADMINISTRATION APPROVED - 3-23-64 REVIEWED - 6-5-68 REVISIONS - 2-20-14
STANDARD NO.		MD 655.11

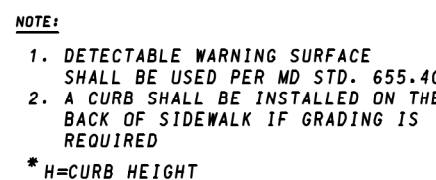


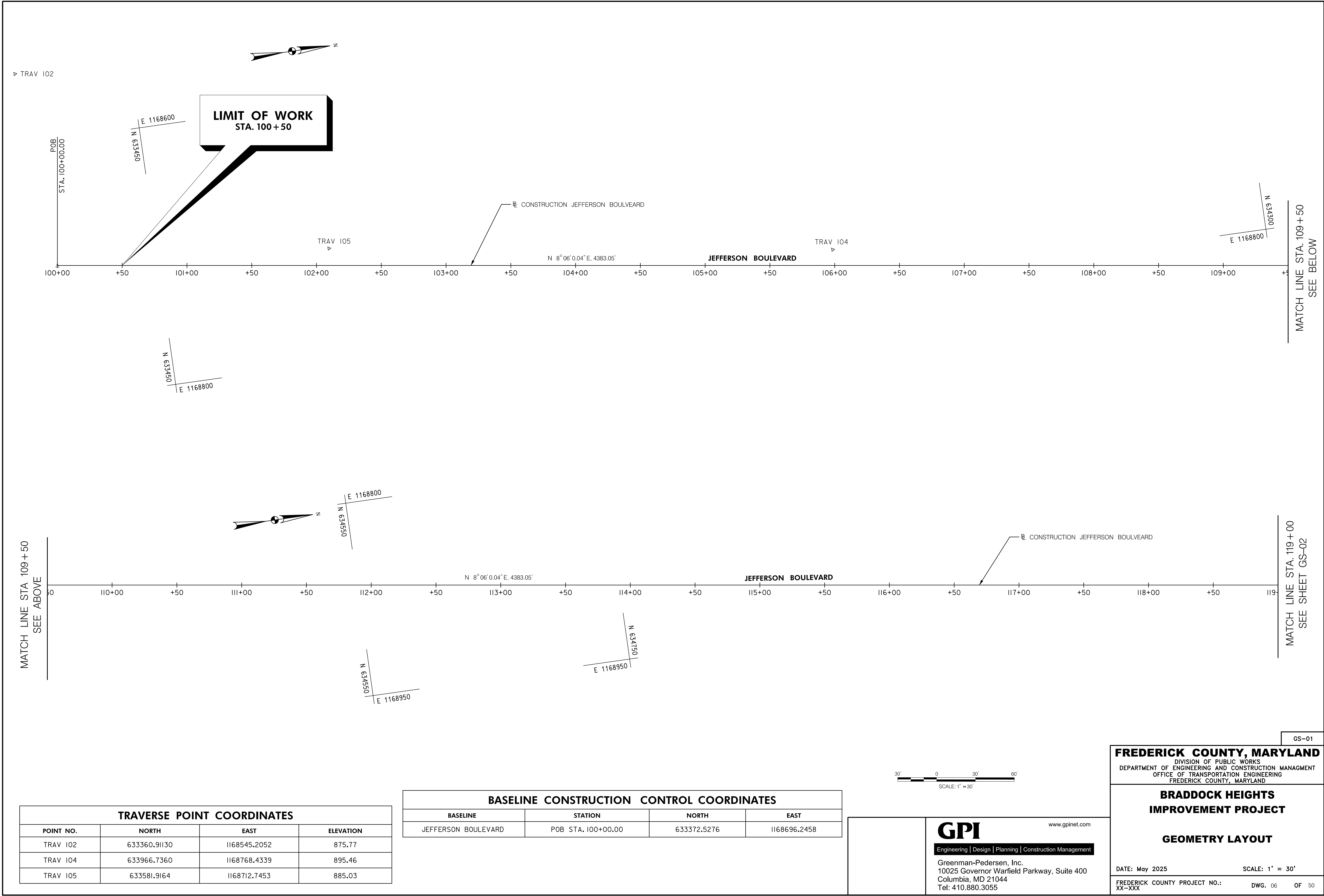
SPECIFICATION 603 & 611	CATEGORY CODE ITEMS								
APPROVED APPROVED									
DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT <table style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">APPROVAL - SHA PERSONNEL</td><td style="width: 50%;">APPROVAL - FEDERAL HIGHWAY ADMINISTRATION</td></tr><tr><td>APPROVAL - 2-10-04</td><td>APPROVAL - 3-31-04</td></tr><tr><td>REUSED - 3-25-08</td><td>REUSED - 4-5-06</td></tr><tr><td>REUSED - 8-2-14</td><td>REUSED - 5-28-14</td></tr></table> SIDEWALK RAMPS PARALLEL		APPROVAL - SHA PERSONNEL	APPROVAL - FEDERAL HIGHWAY ADMINISTRATION	APPROVAL - 2-10-04	APPROVAL - 3-31-04	REUSED - 3-25-08	REUSED - 4-5-06	REUSED - 8-2-14	REUSED - 5-28-14
APPROVAL - SHA PERSONNEL	APPROVAL - FEDERAL HIGHWAY ADMINISTRATION								
APPROVAL - 2-10-04	APPROVAL - 3-31-04								
REUSED - 3-25-08	REUSED - 4-5-06								
REUSED - 8-2-14	REUSED - 5-28-14								
STANDARD NO. MD 655.12									

Maryland Department of Transportation

STATE HIGHWAY ADMINISTRATION

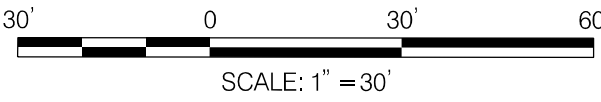
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES





TRAVERSE POINT COORDINATES			
POINT NO.	NORTH	EAST	ELEVATION
TRAV I02	633360.91130	1168545.2052	875.77
TRAV I04	633966.7360	1168768.4339	895.46
TRAV I05	633581.9164	1168712.7453	885.03

BASELINE CONSTRUCTION CONTROL COORDINATES			
BASELINE	STATION	NORTH	EAST
JEFFERSON BOULEVARD	POB STA. 100+00.00	633372.5276	1168696.2458



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**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

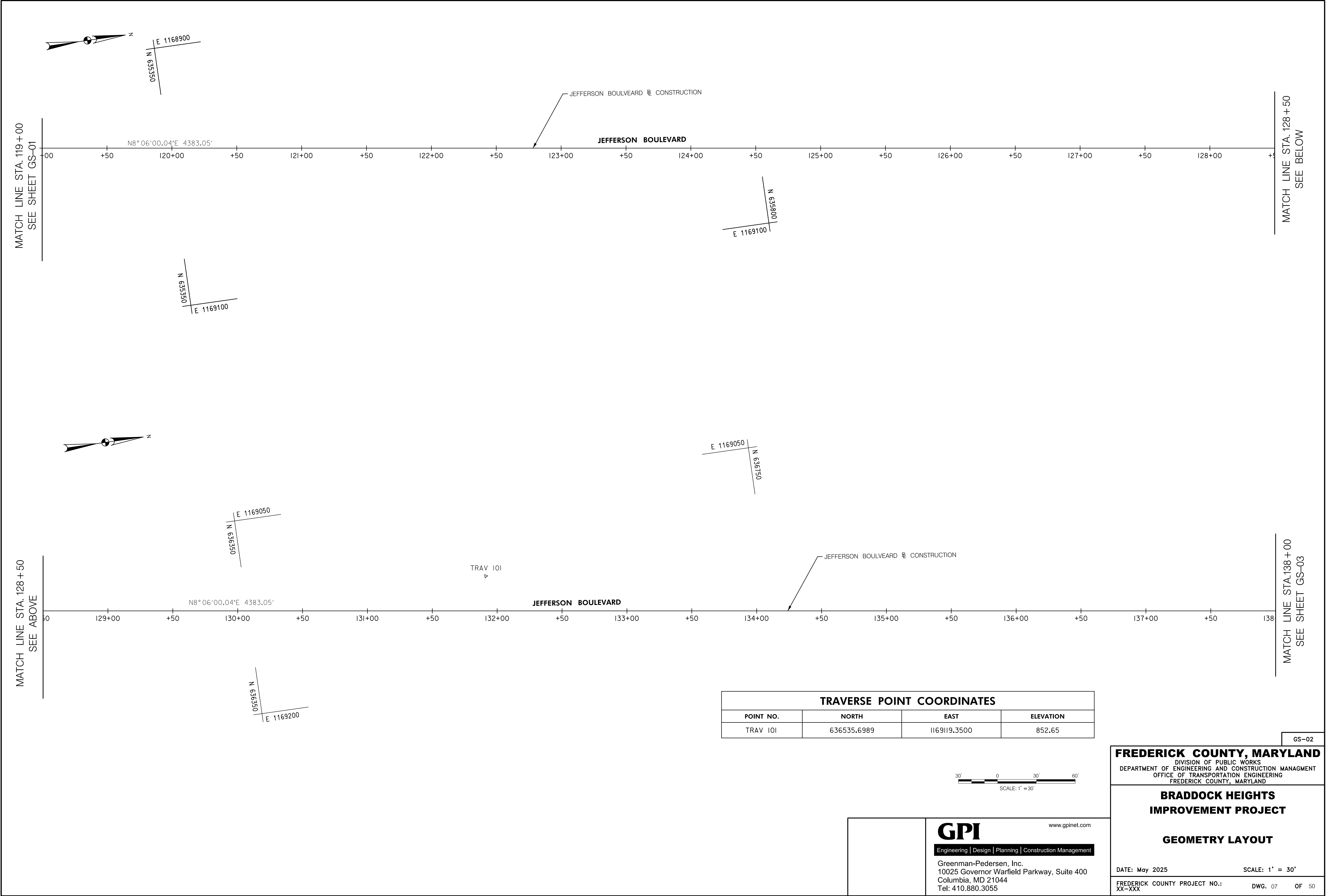
GEOMETRY LAYOUT

DATE: May 2025

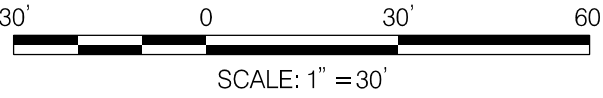
SCALE: 1' = 30'

FREDERICK COUNTY PROJECT NO.:
XX-XXX

DWG. 06 OF 50



TRAVERSE POINT COORDINATES			
POINT NO.	NORTH	EAST	ELEVATION
TRAV 101	636535.6989	1169119.3500	852.65





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**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

GEOMETRY LAYOUT

DATE: May 2025

SCALE: 1' = 30'

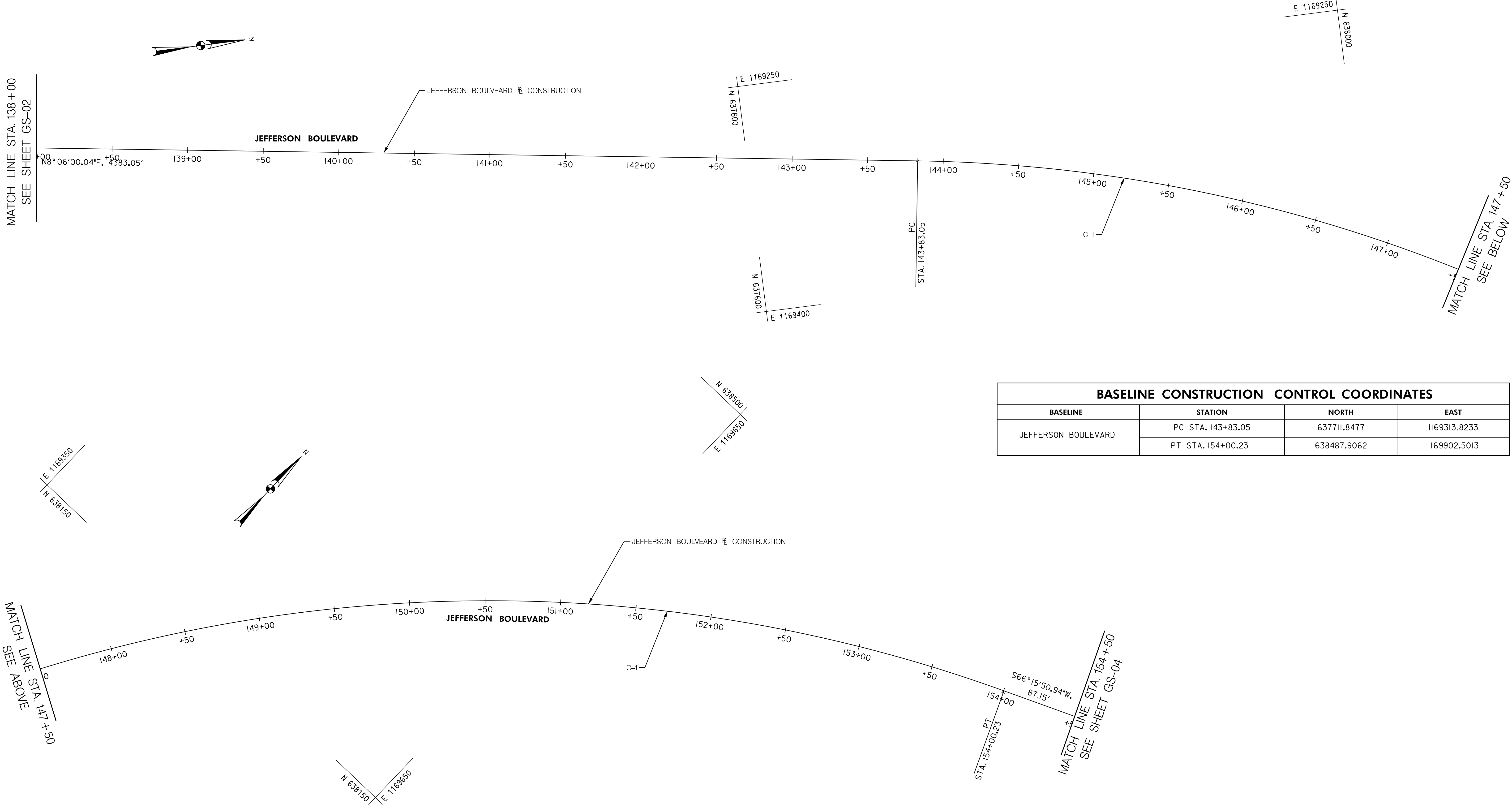
FREDERICK COUNTY PROJECT NO.:
XX-XXX

DWG. 07 OF 50

MATCH LINE STA. 138+00
SEE SHEET GS-02

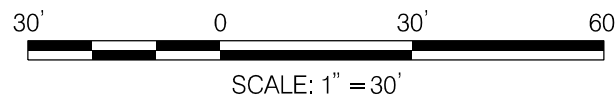
MATCH LINE STA. 147+50
SEE ABOVE

MATCH LINE STA. 147+50
SEE BELOW



BASELINE CONSTRUCTION CONTROL COORDINATES			
BASELINE	STATION	NORTH	EAST
JEFFERSON BOULEVARD	PC STA. 143+83.05	637711.8477	1169313.8233
	PT STA. 154+00.23	638487.9062	1169902.5013

CURVE DATA								
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL	CHORD BEARING	CHORD LENGTH
C-1	58° 09' 50.90", RT.	5° 43' 05.31"	1002.00	557.30	1017.19	144.55	N 37° 10' 55.49° E	974.07



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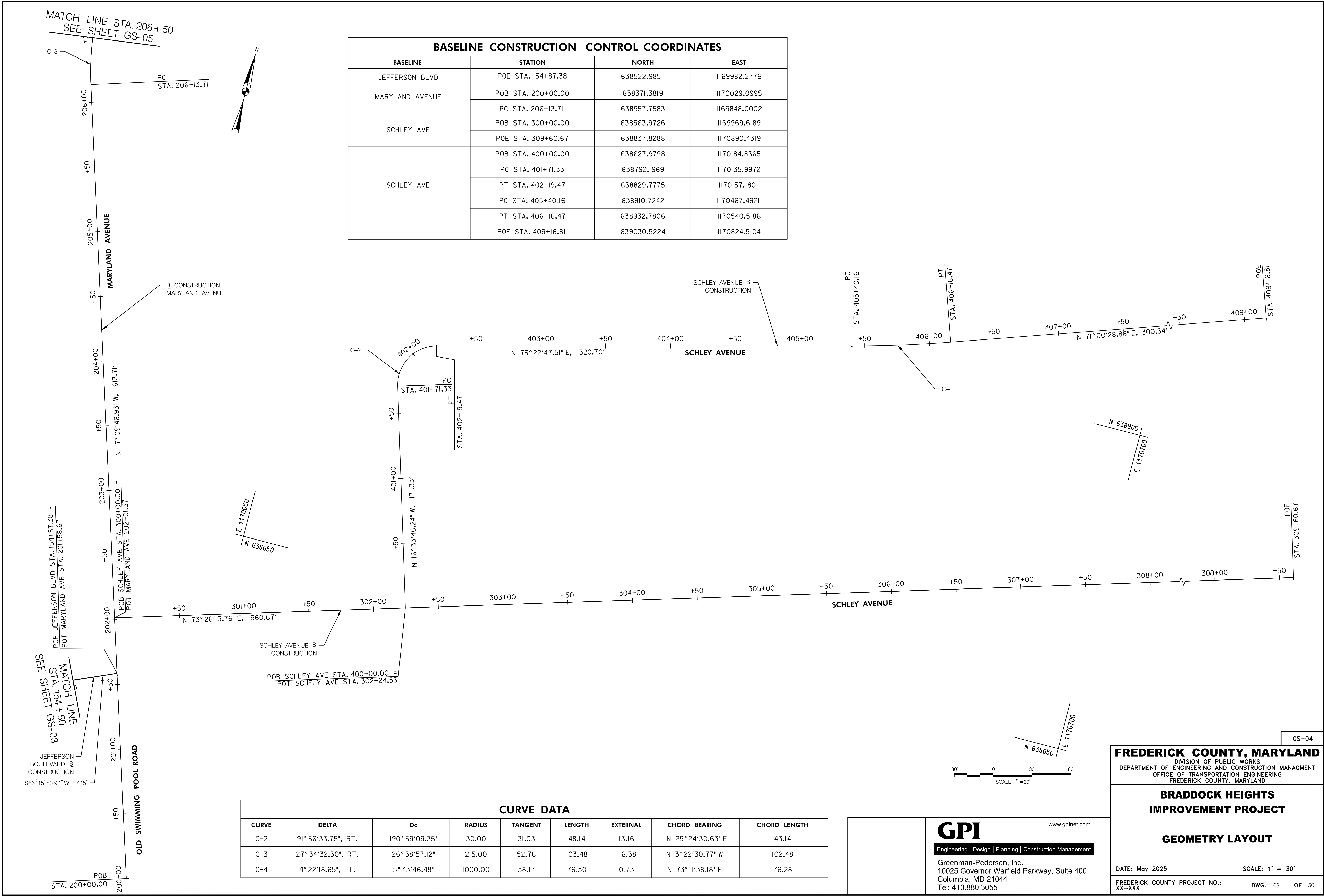
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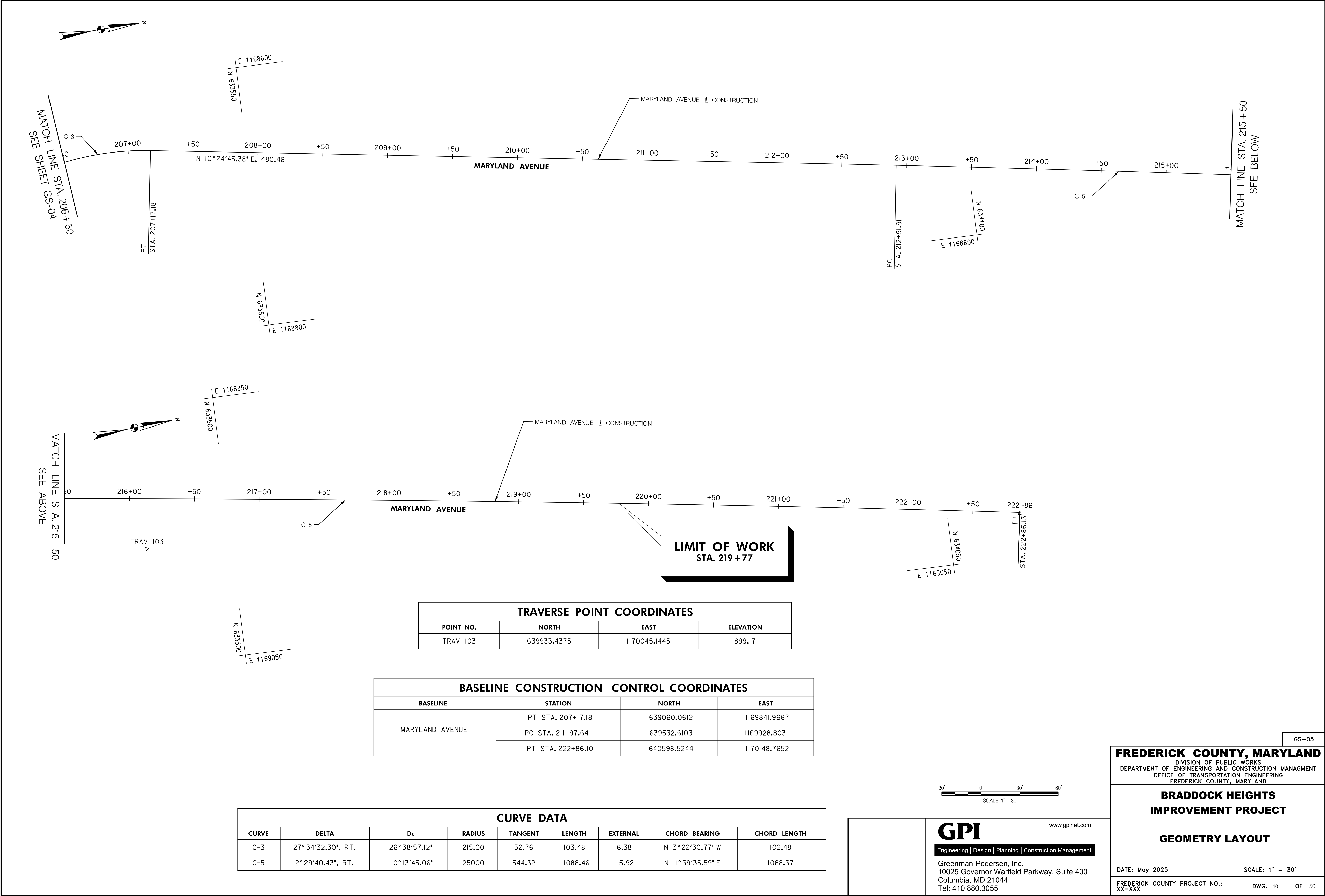
**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

GEOMETRY LAYOUT

DATE: May 2025 SCALE: 1' = 30'

FREDERICK COUNTY PROJECT NO.: XX-XXX DWG. 08 OF 50

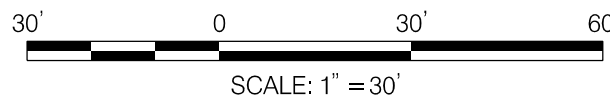




TRAVERSE POINT COORDINATES			
POINT NO.	NORTH	EAST	ELEVATION
TRAV 103	639933.4375	1170045.1445	899.17

BASELINE CONSTRUCTION CONTROL COORDINATES			
BASELINE	STATION	NORTH	EAST
MARYLAND AVENUE	PT STA. 207+17.18	639060.0612	1169841.9667
	PC STA. 211+97.64	639532.6103	1169928.8031
	PT STA. 222+86.10	640598.5244	1170148.7652

CURVE DATA								
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL	CHORD BEARING	CHORD LENGTH
C-3	27°34'32.30", RT.	26°38'57.12"	215.00	52.76	103.48	6.38	N 3°22'30.77" W	102.48
C-5	2°29'40.43", RT.	0°13'45.06"	25000	544.32	1088.46	5.92	N 11°39'35.59" E	1088.37





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BRADDOCK HEIGHTS

IMPROVEMENT PROJECT

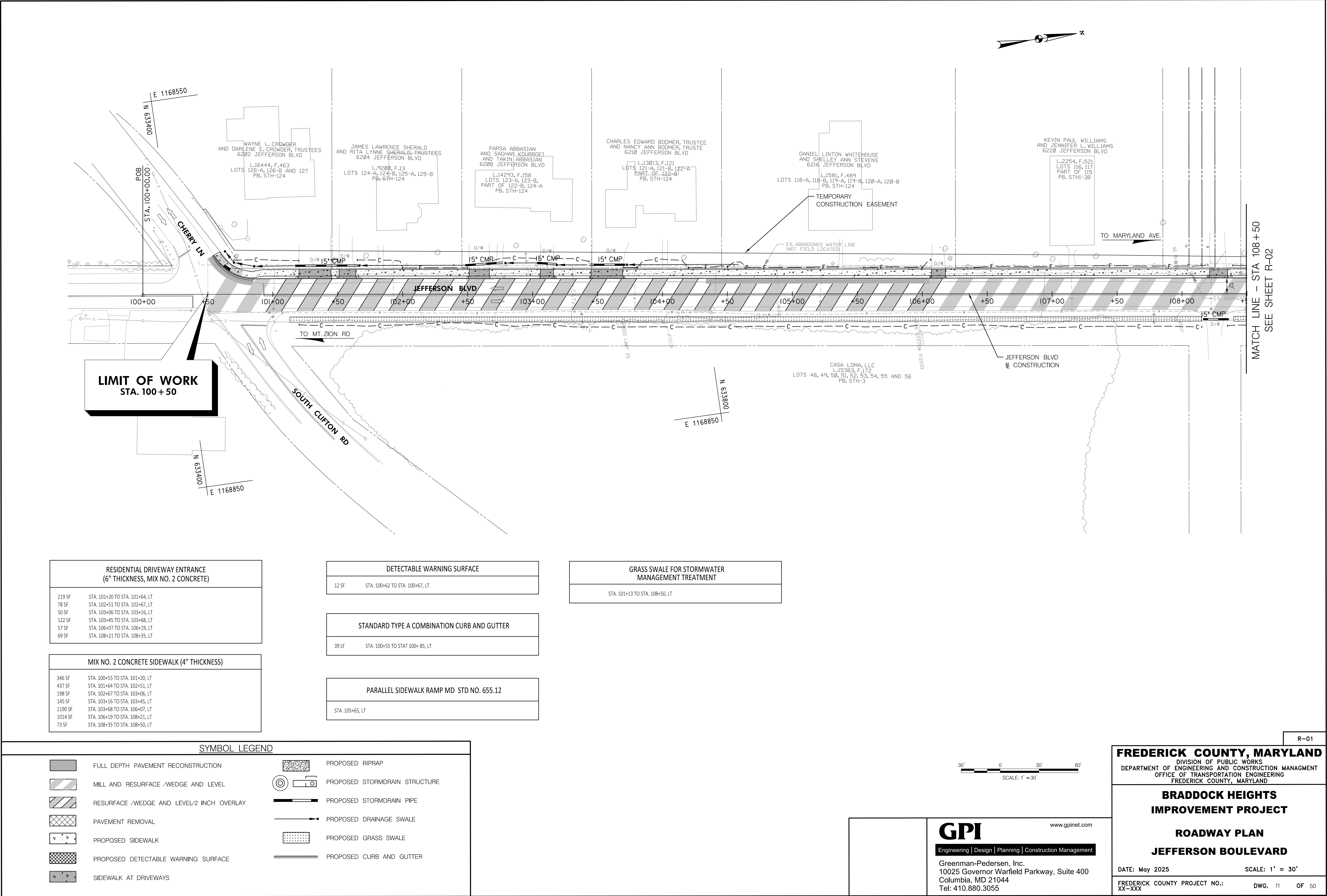
GEOMETRY LAYOUT

DATE: May 2025

SCALE: 1" = 30'

FREDERICK COUNTY PROJECT NO.: XX-XXX

DWG. 10 OF 50



RESIDENTIAL DRIVEWAY ENTRANCE (6" THICKNESS, MIX NO. 2 CONCRETE)	
219 SF	STA. 101+20 TO STA. 101+64, LT
78 SF	STA. 102+51 TO STA. 102+67, LT
50 SF	STA. 103+06 TO STA. 103+16, LT
122 SF	STA. 103+45 TO STA. 103+68, LT
57 SF	STA. 106+07 TO STA. 106+19, LT
69 SF	STA. 108+21 TO STA. 108+35, LT

MIX NO. 2 CONCRETE SIDEWALK (4" THICKNESS)	
346 SF	STA. 100+55 TO STA. 101+20, LT
437 SF	STA. 101+64 TO STA. 102+51, LT
198 SF	STA. 102+67 TO STA. 103+06, LT
145 SF	STA. 103+16 TO STA. 103+45, LT
1190 SF	STA. 103+68 TO STA. 106+07, LT
1014 SF	STA. 106+19 TO STA. 108+21, LT
73 SF	STA. 108+35 TO STA. 108+50, LT

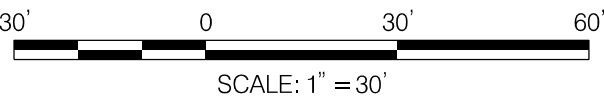
DETECTABLE WARNING SURFACE	
12 SF	STA. 100+62 TO STA. 100+67, LT

STANDARD TYPE A COMBINATION CURB AND GUTTER	
39 LF	STA. 100+55 TO STA. 100+85, LT

PARALLEL SIDEWALK RAMP MD STD NO. 655.12	
	STA. 105+65, LT

GRASS SWALE FOR STORMWATER MANAGEMENT TREATMENT	
	STA. 101+13 TO STA. 108+50, LT

SYMBOL LEGEND			
	FULL DEPTH PAVEMENT RECONSTRUCTION		PROPOSED RIPRAP
	MILL AND RESURFACE /WEDGE AND LEVEL		PROPOSED STORMDRAIN STRUCTURE
	RESURFACE /WEDGE AND LEVEL/2 INCH OVERLAY		PROPOSED STORMDRAIN PIPE
	PAVEMENT REMOVAL		PROPOSED DRAINAGE SWALE
	PROPOSED SIDEWALK		PROPOSED GRASS SWALE
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CURB AND GUTTER
	SIDEWALK AT DRIVEWAYS		



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**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

**ROADWAY PLAN
JEFFERSON BOULEVARD**

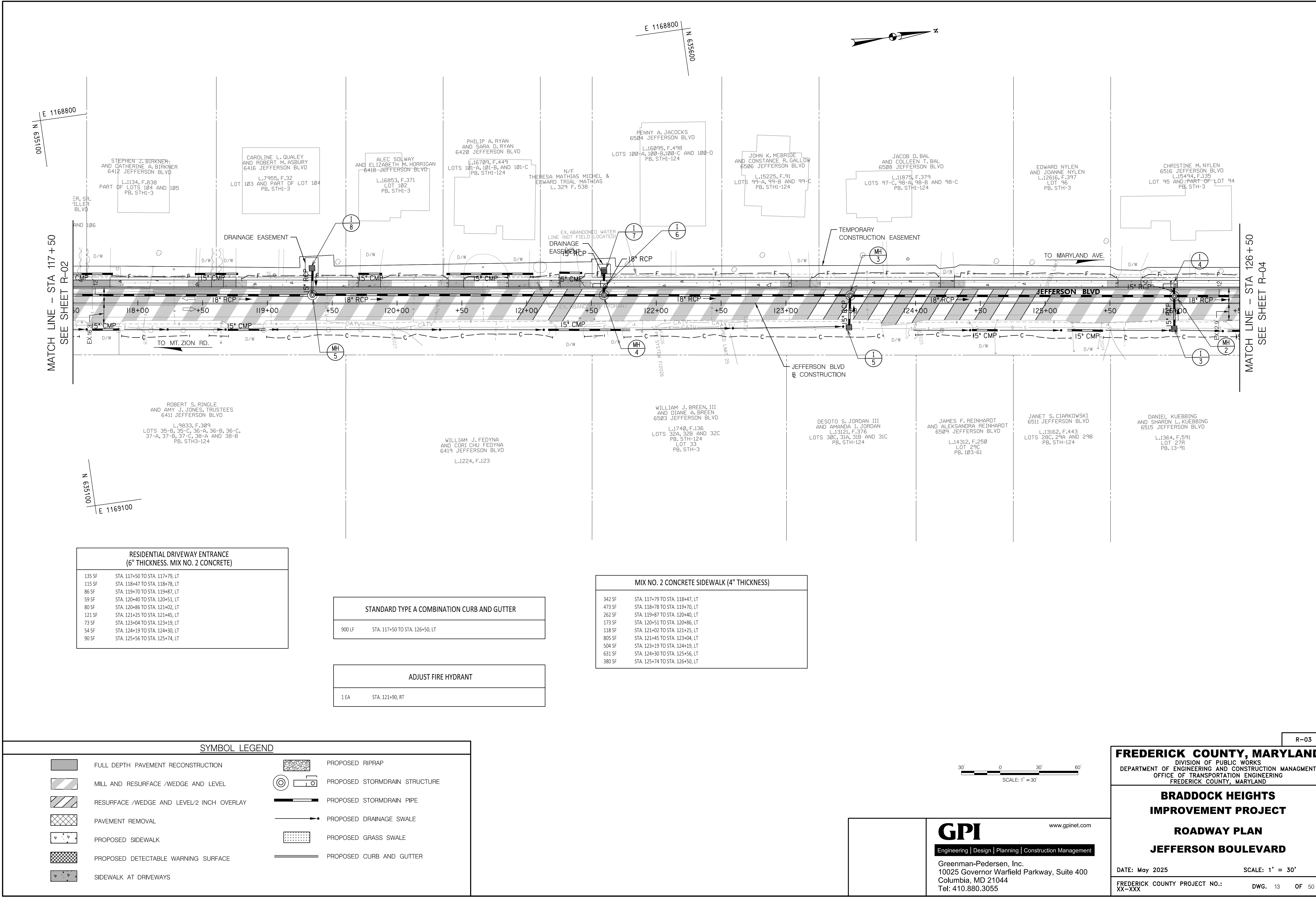
DATE: May 2025SCALE: 1" = 30'

FREDERICK COUNTY PROJECT NO.: XX-XXXDWG. 11 OF 50



PLOTTED: 5/20/2025
FILE: N:\2021\2021058.00 Frederick County On Call\2021058.02 Braddock Heights Sidewalk\CADD\pHD-P002_BraddockHeights.dgn





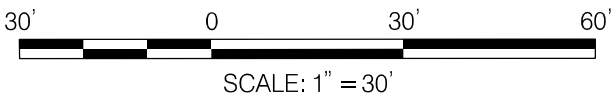
RESIDENTIAL DRIVEWAY ENTRANCE (6" THICKNESS, MIX NO. 2 CONCRETE)	
135 SF	STA. 117+50 TO STA. 117+79, LT
115 SF	STA. 118+47 TO STA. 118+78, LT
86 SF	STA. 119+70 TO STA. 119+87, LT
59 SF	STA. 120+40 TO STA. 120+51, LT
80 SF	STA. 120+86 TO STA. 121+02, LT
121 SF	STA. 121+25 TO STA. 121+45, LT
73 SF	STA. 123+04 TO STA. 123+19, LT
54 SF	STA. 124+19 TO STA. 124+30, LT
90 SF	STA. 125+56 TO STA. 125+74, LT

STANDARD TYPE A COMBINATION CURB AND GUTTER	
900 LF	STA. 117+50 TO STA. 126+50, LT

ADJUST FIRE HYDRANT	
1 EA	STA. 121+90, RT

MIX NO. 2 CONCRETE SIDEWALK (4" THICKNESS)	
342 SF	STA. 117+79 TO STA. 118+47, LT
473 SF	STA. 118+78 TO STA. 119+70, LT
262 SF	STA. 119+87 TO STA. 120+40, LT
173 SF	STA. 120+51 TO STA. 120+86, LT
118 SF	STA. 121+02 TO STA. 121+25, LT
805 SF	STA. 121+45 TO STA. 123+04, LT
504 SF	STA. 123+19 TO STA. 124+19, LT
631 SF	STA. 124+30 TO STA. 125+56, LT
380 SF	STA. 125+74 TO STA. 126+50, LT

SYMBOL LEGEND			
	FULL DEPTH PAVEMENT RECONSTRUCTION		PROPOSED RIPRAP
	MILL AND RESURFACE /WEDGE AND LEVEL		PROPOSED STORMDRAIN STRUCTURE
	RESURFACE /WEDGE AND LEVEL/2 INCH OVERLAY		PROPOSED STORMDRAIN PIPE
	PAVEMENT REMOVAL		PROPOSED DRAINAGE SWALE
	PROPOSED SIDEWALK		PROPOSED GRASS SWALE
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CURB AND GUTTER
	SIDEWALK AT DRIVEWAYS		



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R-03

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**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

**ROADWAY PLAN
JEFFERSON BOULEVARD**

DATE: May 2025 SCALE: 1" = 30'

FREDERICK COUNTY PROJECT NO.: XX-XXX DWG. 13 OF 50

E 1168950
056559 N

MATCH LINE - STA 126+50
SEE SHEET R-03

056559 N
E 1169200

RESIDENTIAL DRIVEWAY ENTRANCE (6" THICKNESS. MIX NO. 2 CONCRETE)	
69 SF	STA. 127+53 TO STA. 127+66, LT
61 SF	STA. 128+01 TO STA. 127+13, LT
192 SF	STA. 129+05 TO STA. 129+30, LT
61 SF	STA. 129+67 TO STA. 128+79, LT
65 SF	STA. 132+37 TO STA. 132+50, LT
49 SF	STA. 133+15 TO STA. 133+25, LT

MIX NO. 2 CONCRETE SIDEWALK (4" THICKNESS)	
513 SF	STA. 126+50 TO STA. 127+53, LT
174 SF	STA. 127+66 TO STA. 128+01, LT
452 SF	STA. 127+13 TO STA. 129+05, LT
184 SF	STA. 129+30 TO STA. 129+67, LT
1289 SF	STA. 128+79 TO STA. 132+37, LT
330 SF	STA. 132+50 TO STA. 133+15, LT
376 SF	STA. 133+25 TO STA. 134+00, LT

STANDARD TYPE A COMBINATION CURB AND GUTTER	
750 LF	STA. 126+50 TO STA. 134+00, LT

REMOVE EXISTING INLET	
1 EA	STA. 127+87 LT.

REMOVE EXISTING PIPE	
84 LF	STA. 127+87 TO STA. 127+93 LT.
60 LF	STA. 127+95 TO STA. 128+02 LT.

CLASS 1 RIPRAP OUTLET PROTECTION	
123 SY	STA. 127+87 TO STA. 128+00 RT.

NOTE: BEGIN ON STREET PARKING
STA. 131+84, LEFT

MATCH LINE - STA 134+00
SEE SHEET R-05

SYMBOL LEGEND

	FULL DEPTH PAVEMENT RECONSTRUCTION		PROPOSED RIPRAP
	MILL AND RESURFACE /WEDGE AND LEVEL		PROPOSED STORMDRAIN STRUCTURE
	RESURFACE /WEDGE AND LEVEL/2 INCH OVERLAY		PROPOSED STORMDRAIN PIPE
	PAVEMENT REMOVAL		PROPOSED DRAINAGE SWALE
	PROPOSED SIDEWALK		PROPOSED GRASS SWALE
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CURB AND GUTTER
	SIDEWALK AT DRIVEWAYS		

30' 0 30' 60'
SCALE: 1" = 30'

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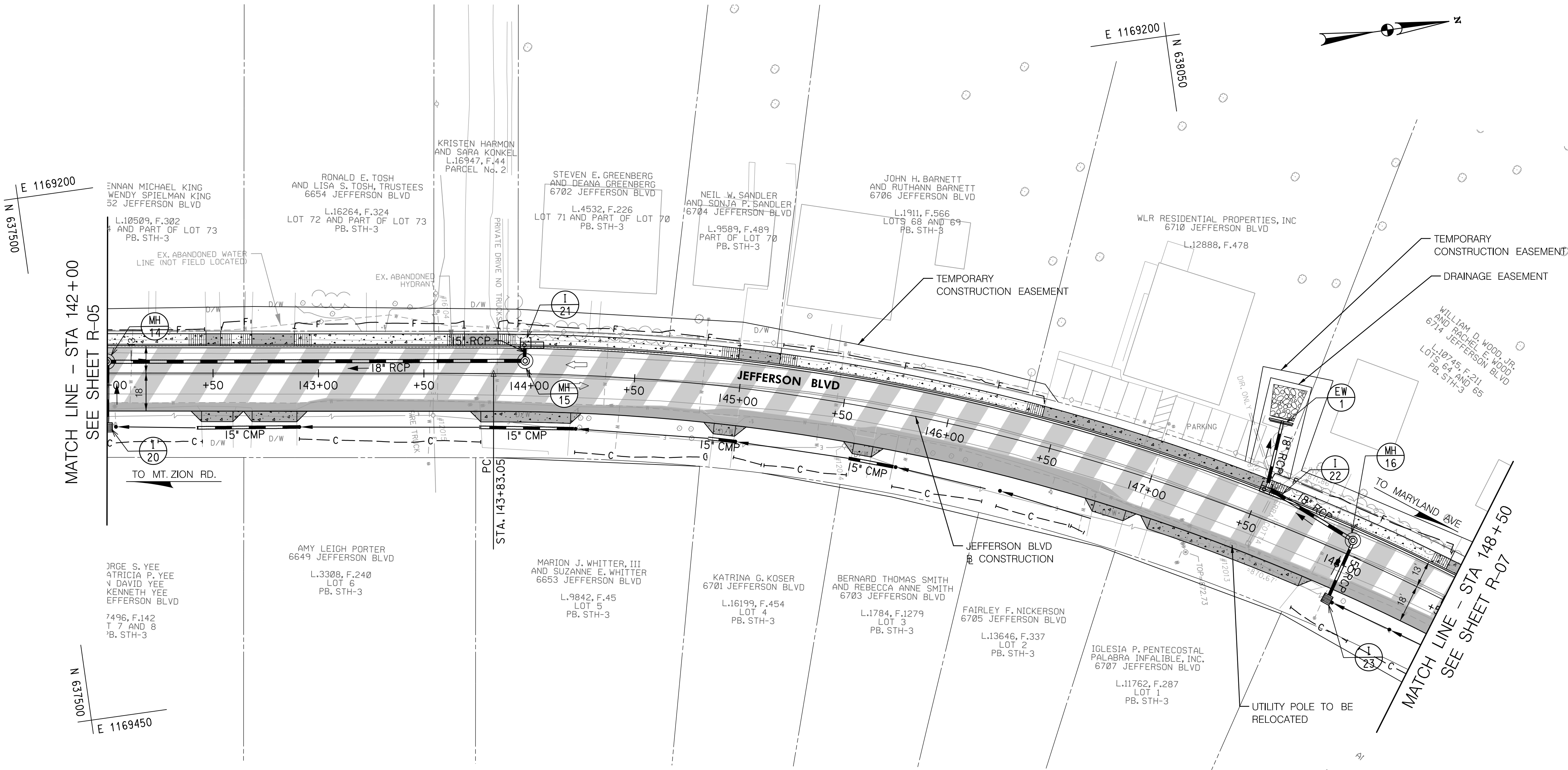
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BRADDOCK HEIGHTS IMPROVEMENT PROJECT

ROADWAY PLAN JEFFERSON BOULEVARD

DATE: May 2025
FREDERICK COUNTY PROJECT NO.:
XX-XXX

SCALE: 1" = 30'
DWG. 14
OF 50



RESIDENTIAL DRIVEWAY ENTRANCE (6" THICKNESS. MIX NO. 2 CONCRETE)	
36 SF	STA. 142+47 TO STA. 142+54, LT
102 SF	STA. 142+68 TO STA. 142+89, LT
81 SF	STA. 143+69 TO STA. 143+83, LT
99 SF	STA. 144+98 TO STA. 145+17, LT
558 SF	STA. 146+43 TO STA. 147+52, LT
26 SF	STA. 148+45 TO STA. 148+50, LT

MIX NO. 2 CONCRETE SIDEWALK (4" THICKNESS)	
234 SF	STA. 142+00 TO STA. 142+47, LT
74 SF	STA. 142+54 TO STA. 142+68, LT
403 SF	STA. 142+89 TO STA. 143+69, LT
573 SF	STA. 143+83 TO STA. 144+98, LT
637 SF	STA. 145+17 TO STA. 146+43, LT
471 SF	STA. 147+52 TO STA. 148+45, LT

STANDARD TYPE A COMBINATION CURB AND GUTTER	
656 LF	STA. 142+00 TO STA. 148+50, LT

CLASS 1 RIPRAP PROTECTION	
20 SY	EW-1

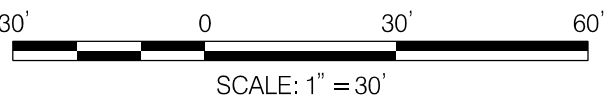
REMOVE EXISTING INLET	
1 EA	STA. 147+56, LT

REMOVE EXISTING PIPE	
1 EA	STA. 147+24 TO STA. 147+56, LT

NOTE: ON STREET PARKING, LEFT SIDE
STA. 141+85 (R-05) TO STA. 153+30

SYMBOL LEGEND

	FULL DEPTH PAVEMENT RECONSTRUCTION		PROPOSED RIPRAP
	MILL AND RESURFACE /WEDGE AND LEVEL		PROPOSED STORMDRAIN STRUCTURE
	RESURFACE /WEDGE AND LEVEL/2 INCH OVERLAY		PROPOSED STORMDRAIN PIPE
	PAVEMENT REMOVAL		PROPOSED DRAINAGE SWALE
	PROPOSED SIDEWALK		PROPOSED GRASS SWALE
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CURB AND GUTTER
	SIDEWALK AT DRIVEWAYS		

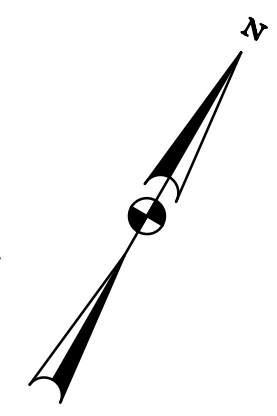
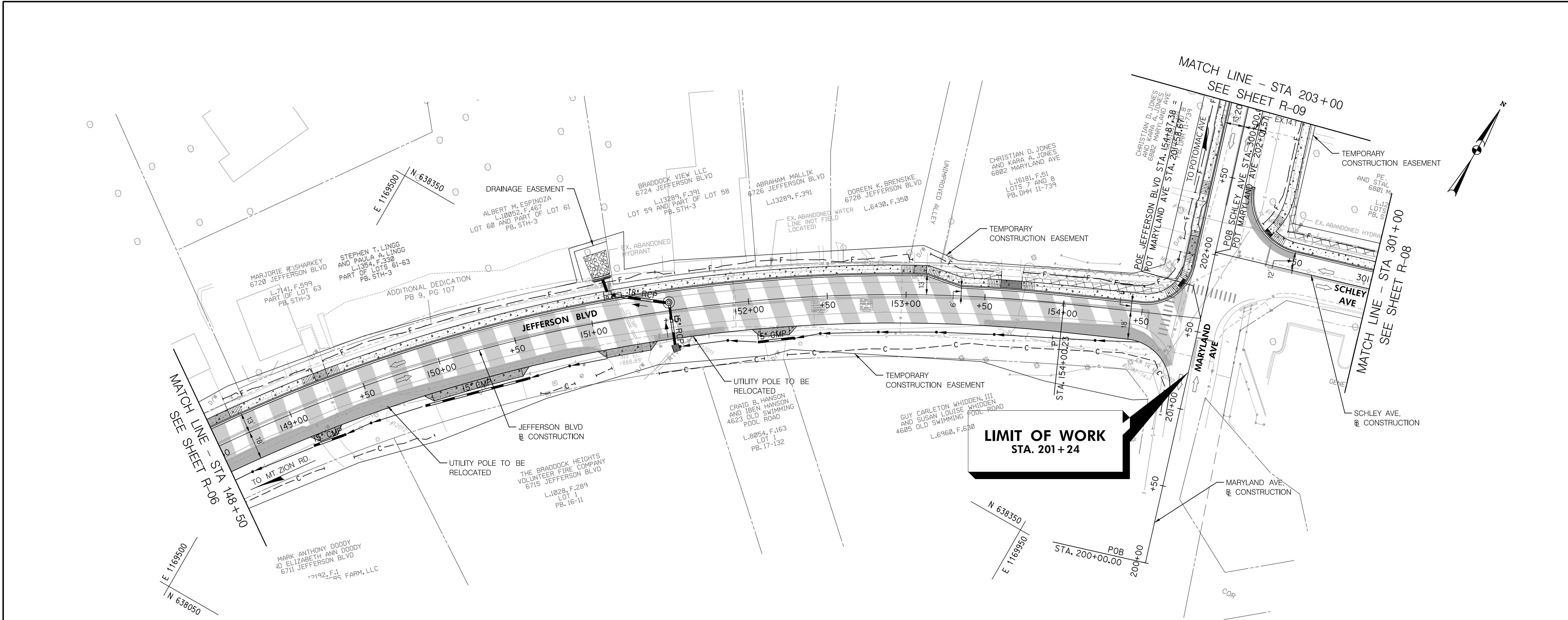


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**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**
ROADWAY PLAN
JEFFERSON BOULEVARD

DATE: May 2025 SCALE: 1' = 30'
FREDERICK COUNTY PROJECT NO.: DWG. 16 OF 50
XX-XXX



RESIDENTIAL DRIVEWAY ENTRANCE (6" THICKNESS. MIX NO. 2 CONCRETE)	
76 SF	STA. 148+50 TO STA. 148+65, LT
41 SF	STA. 149+23 TO STA. 148+31, LT
41 SF	STA. 153+05 TO STA. 153+13, LT
67 SF	STA. 153+60 TO STA. 153+73, LT
60 SF	STA. 201+97 TO STA. 202+09, LT

MIX NO. 2 CONCRETE SIDEWALK (4" THICKNESS)	
294 SF	STA. 148+65 TO STA. 149+23, LT
1902 SF	STA. 148+31 TO STA. 153+05, LT
243 SF	STA. 153+13 TO STA. 153+60, LT
494 SF	STA. 153+73 TO STA. 154+71, LT
110 SF	STA. 201+71 TO STA. 201+97, LT
425 SF	STA. 202+09 TO STA. 203+00, LT
361 SF	STA. 202+22 TO STA. 203+00, RT
359 SF	STA. 300+27 TO STA. 301+00, LT

DETECTABLE WARNING SURFACE	
12 SF	STA. 201+75 TO STA. 201+80, LT
11 SF	STA. 300+27 TO STA. 300+32, LT

STANDARD TYPE A COMBINATION CURB AND GUTTER	
517 LF	STA. 148+50 TO STA. 154+71, LT
104 LF	STA. 300+14 TO STA. 301+00, LT

SIDEWALK RAMP	
12 SF	STA. 201+75 TO STA. 201+80, LT
10 SF	STA. 300+27 TO STA. 300+32, LT

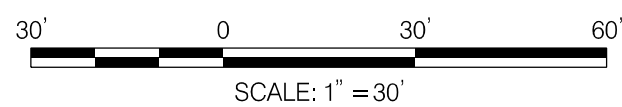
CLASS 1 RIPRAP PROTECTION	
6 SY	EW-2

REMOVE EXISTING INLET	
1 EA	STA. 151+27, RT

REMOVE EXISTING PIPE	
47 LF	STA. 151+15, LT TO STA. 151+27, RT

NOTE: END ON STREET PARKING ON
LEFT SIDE STA. 153+30

SYMBOL LEGEND			
	FULL DEPTH PAVEMENT RECONSTRUCTION		PROPOSED RIPRAP
	MILL AND RESURFACE /WEDGE AND LEVEL		PROPOSED STORMDRAIN STRUCTURE
	RESURFACE /WEDGE AND LEVEL/2 INCH OVERLAY		PROPOSED STORMDRAIN PIPE
	PAVEMENT REMOVAL		PROPOSED DRAINAGE SWALE
	PROPOSED SIDEWALK		PROPOSED GRASS SWALE
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CURB AND GUTTER
	SIDEWALK AT DRIVEWAYS		



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FREDERICK COUNTY, MARYLAND R-07

**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT
ROADWAY PLAN**

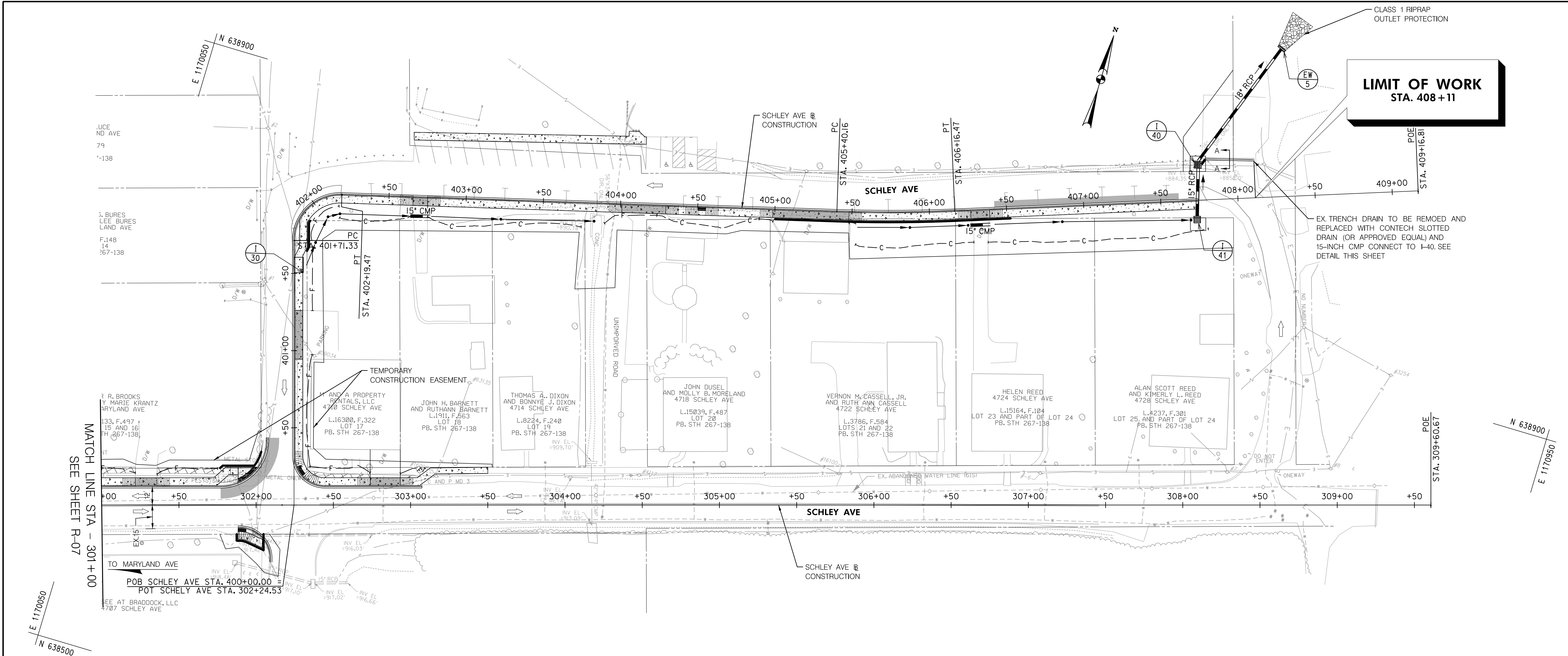
**JEFFERSON BOULEVARD,
MARYLAND AVE & SCHLEY AVE**

DATE: May 2025

SCALE: 1" = 30'

FREDERICK COUNTY PROJECT NO.:
XX-XXX

DWG. 17 OF 50



RESIDENTIAL DRIVEWAY ENTRANCE (6" THICKNESS, MIX NO. 2 CONCRETE)	
71 SF	STA. 301+22 TO STA. 301+36 LT.
97 SF	STA. 302+74 TO STA. 302+93 LT.
158 SF	STA. 400+95 TO STA. 401+26 RT.
48 SF	STA. 402+66 TO STA. 402+75 RT.
144 SF	STA. 404+01 TO STA. 404+30 RT.
247 SF	STA. 404+99 TO STA. 405+40 RT.
62 SF	STA. 406+27 TO STA. 406+39 RT.

DETECTABLE WARNING SURFACE	
28 SF	STA. 301+88 TO STA. 302+01 LT.
13 SF	STA. 302+27 TO STA. 302+37 LT.
14 SF	STA. 301+88 TO STA. 301+93 RT.
10 SF	STA. 404+50 TO STA. 404+55 RT.

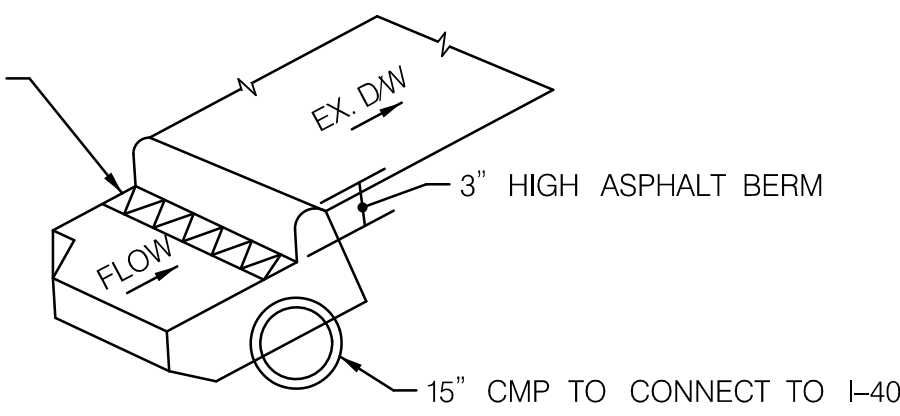
MIX NO. 2 CONCRETE SIDEWALK (4" THICKNESS)	
106	STA. 301+00 TO STA. 301+22 LT.
344	STA. 301+36 TO STA. 302+00 LT.
334	STA. 301+88 TO STA. 302+04 RT.
259	STA. 302+27 TO STA. 302+74 LT.
345	STA. 302+93 TO STA. 303+50 LT.
716	STA. 400+25 TO STA. 400+95 RT.
628	STA. 401+26 TO STA. 402+66 RT.
345	STA. 402+73 TO STA. 404+01 RT.
394	STA. 404+30 TO STA. 404+99 RT.
675	STA. 405+40 TO STA. 406+27 RT.
94	STA. 406+39 TO STA. 407+74 RT.

STANDARD TYPE A COMBINATION CURB AND GUTTER	
176 LF	STA. 301+00 TO STA. 302+07 LT.
35 LF	STA. 301+88 TO STA. 302+09 RT.
80 LF	STA. 302+29 TO STA. 303+07 LT.
758 LF	STA. 400+32 TO STA. 407+74

GRASS SWALE FOR STORMWATER MANAGEMENT TREATMENT	
XX SF	STA.

SIDEWALK RAMP	
XX SF	STA.

CLASS 1 RIPRAP PROTECTION	
32 SY	EW-5



SLOTTED DRAIN DETAIL
SECTION A-A
NTS

SYMBOL LEGEND			
	FULL DEPTH PAVEMENT RECONSTRUCTION		PROPOSED RIPRAP
	MILL AND RESURFACE /WEDGE AND LEVEL		PROPOSED STORMDRAIN STRUCTURE
	RESURFACE /WEDGE AND LEVEL/2 INCH OVERLAY		PROPOSED STORMDRAIN PIPE
	PAVEMENT REMOVAL		PROPOSED DRAINAGE SWALE
	PROPOSED SIDEWALK		PROPOSED GRASS SWALE
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CURB AND GUTTER
	SIDEWALK AT DRIVEWAYS		



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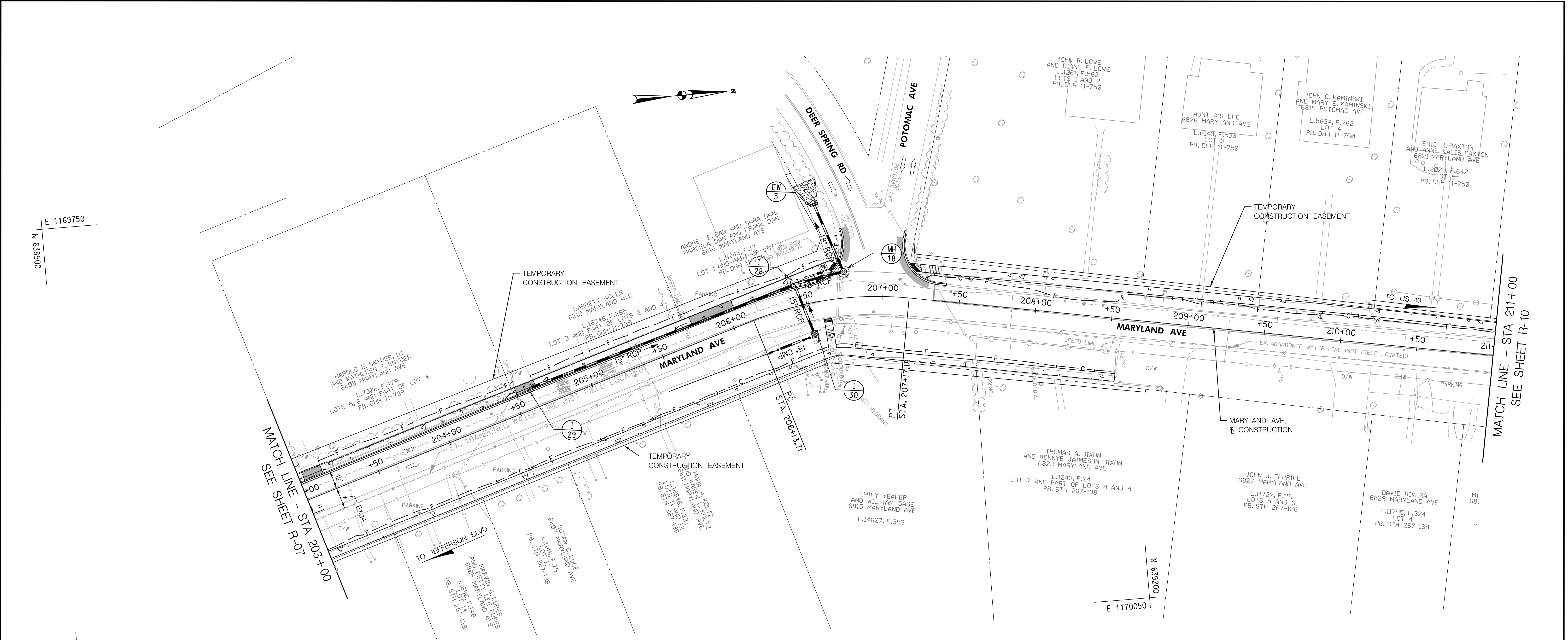
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**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

**ROADWAY PLAN
SCHLEY AVE**

DATE: May 2025
FREDERICK COUNTY PROJECT NO.: XX-XXX

SCALE: 1' = 30'
DWG. 18 OF 50



MIX NO. 2 CONCRETE SIDEWALK (4" THICKNESS)	
12 SF	STA. 203+00 TO STA. 203+03, LT
682 SF	STA. 203+16 TO STA. 204+52, LT
548 SF	STA. 203+65 TO STA. 205+75, LT
381 SF	STA. 206+04 TO STA. 206+77, LT
1912 SF	STA. 207+15 TO STA. 211+00, LT
2278 SF	STA. 203+00 TO STA. 208+56, RT

DETECTABLE WARNING SURFACE	
10 SF	STA. 206+59 TO STA. 206+63, LT
11 SF	STA. 206+68 TO STA. 206+77, LT
10 SF	STA. 206+60 TO STA. 206+65, RT
14 SF	STA. 207+15 TO STA. 207+17, LT

RESIDENTIAL DRIVEWAY ENTRANCE (6" THICKNESS, MIX NO. 2 CONCRETE)	
76 SF	STA. 203+03 TO STA. 203+16, LT
66 SF	STA. 204+52 TO STA. 203+65, LT
146 SF	STA. 205+75 TO STA. 206+04, LT

STANDARD TYPE A COMBINATION CURB AND GUTTER	
405 LF	STA. 203+00 TO STA. 206+78, LT
52 LF	STA. 207+11 TO STA. 207+40, LT

CLASS 1 RIPRAP OUTLET PROTECTION	
32 SY	EW-3

REMOVE EXISTING INLET	
1 EA	STA. 206+59, RT

REMOVE EXISTING PIPE	
45 LF	STA. 206+59, RT TO STA. 206+74, LT

ADJUST FIRE HYDRANT	
1 EA	STA. 207+40 LT,

SIDEWALK RAMP	
10 SF	STA. 206+60 TO STA. 206+65, RT
10 SF	STA. 206+59 TO STA. 206+63, LT
11 SF	STA. 206+69 TO STA. 206+72, LT
14 SF	STA. 207+16 TO STA. 207+18, LT

FULL DEPTH PAVEMENT RECONSTRUCTION

MILL AND RESURFACE /WEDGE AND LEVEL

RESURFACE /WEDGE AND LEVEL/2 INCH OVERLAY

PAVEMENT REMOVAL

PROPOSED SIDEWALK

PROPOSED DETECTABLE WARNING SURFACE

SIDEWALK AT DRIVEWAYS

PROPOSED RIPRAP

PROPOSED STORMDRAIN STRUCTURE

PROPOSED STORMDRAIN PIPE

PROPOSED DRAINAGE SWALE

PROPOSED GRASS SWALE

PROPOSED CURB AND GUTTER

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**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**
**ROADWAY PLAN
MARYLAND AVE**

DATE: May 2025SCALE: 1" = 30'
FREDERICK COUNTY PROJECT NO.: XX-XXXDWG. 19 OF 50

PLOTTED: 5/20/2025
FILE: N:\2021\2021058.00 Frederick County On Call\2021058.02 Braddock Heights Sidewalk\CADD\pH0-P009_BraddockHeights.dgn

E 1169800
N 639350

N 639350
E 1170000

N 640100
E 1170000

MATCH LINE - STA 211+00
SEE SHEET R-09

MATCH LINE - STA 217+00
SEE SHEET R-11

MIX NO. 2 CONCRETE SIDEWALK (4" THICKNESS)	
793 SF	STA. 211+00 TO STA. 212+60 LT
1879 SF	STA. 212+81 TO STA. 216+29 LT
1900 SF	STA. 212+64 TO STA. 216+18 RT
298 SF	STA. 216+49 TO STA. 217+00 LT

DETECTABLE WARNING SURFACE	
16 SF	STA. 212+50 TO STA. 212+60 LT
14 SF	STA. 212+81 TO STA. 212+89 LT
10 SF	STA. 212+95 TO STA. 213+00 LT
10 SF	STA. 216+13 TO STA. 216+18 LT
10 SF	STA. 216+27 TO STA. 216+29 LT
10 SF	STA. 216+50 TO STA. 216+52 LT
10 SF	STA. 212+95 TO STA. 213+00 RT
10 SF	STA. 216+15 TO STA. 216+20 RT

STANDARD TYPE A COMBINATION CURB AND GUTTER	
37 LF	STA. 212+39 TO STA. 212+61 LT
384 LF	STA. 212+78 TO STA. 216+30 LT
67 LF	STA. 216+49 TO STA. 217+00 LT

SIDEWALK RAMP	
17 SF	STA. 212+50 TO STA. 212+61, LT
14 SF	STA. 212+81 TO STA. 212+85, LT
10 SF	STA. 212+96 TO STA. 213+06, LT
10 SF	STA. 212+96 TO STA. 213+06, RT

REMOVE EXISTING PIPE	
3	STA. 216+19 TO STA. 216+21 (15' TO 31' RT)
2	STA. 216+17 TO STA. 216+19 (0' TO 14' LT, 0' TO 33' RT)
1	STA. 216+27 TO STA. 216+28 (68' TO 80' RT)

REMOVE EXISTING INLET	
1 EA	STA. 216+XX, LT

CLASS 1 RIPRAP OUTLET PROTECION (1.58' DEPTH)	
27 SY	STA. 216+22, 46' RT TO STA. 216+27, 69' RT
41 SY	STA. 216+28, 87' RT TO STA. 216+36, 125' RT

RELOCATE EXISTING FIRE HYDRANT	
1 EA	STA. 212+36, LT

REMOVE EXISTING HEADWALLS	
1 EA	STA. 216+27, 68' RT
1 EA	STA. 216+28, 87' RT

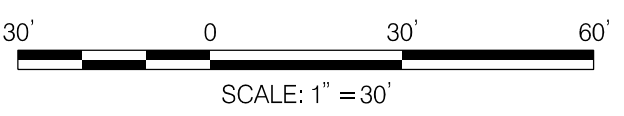
INSTALL TYPE ENDWALLS FOR 14" X 23" ECP (STD. MD 355.02)	
1 EA	STA. 216+27, 68' RT
1 EA	STA. 216+28, 87' RT

6" PCC PAVEMENT FOR DRIVEWAY, MIX 6	
38 SY	STA. 216+27, 68' RT TO 87' RT

- NOTES: 1. EXISTING 14"x23" RCP TO BE REMOVED AND REPLACED AT SAME LOCATION. INVERT IN 892.27, INVERT OUT 891.87.
2. GRADE APPROX. .38' OF EXISTING CHANNEL AND INSTALL RIPRAP.
3. EXISTING CONCRETE DRIVEWAY APRON TO BE REMOVED AND REPLACED "IN-KIND".

SYMBOL LEGEND

	FULL DEPTH PAVEMENT RECONSTRUCTION		PROPOSED RIPRAP
	MILL AND RESURFACE /WEDGE AND LEVEL		PROPOSED STORMDRAIN STRUCTURE
	RESURFACE /WEDGE AND LEVEL/2 INCH OVERLAY		PROPOSED STORMDRAIN PIPE
	PAVEMENT REMOVAL		PROPOSED DRAINAGE SWALE
	PROPOSED SIDEWALK		PROPOSED GRASS SWALE
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CURB AND GUTTER
	SIDEWALK AT DRIVEWAYS		



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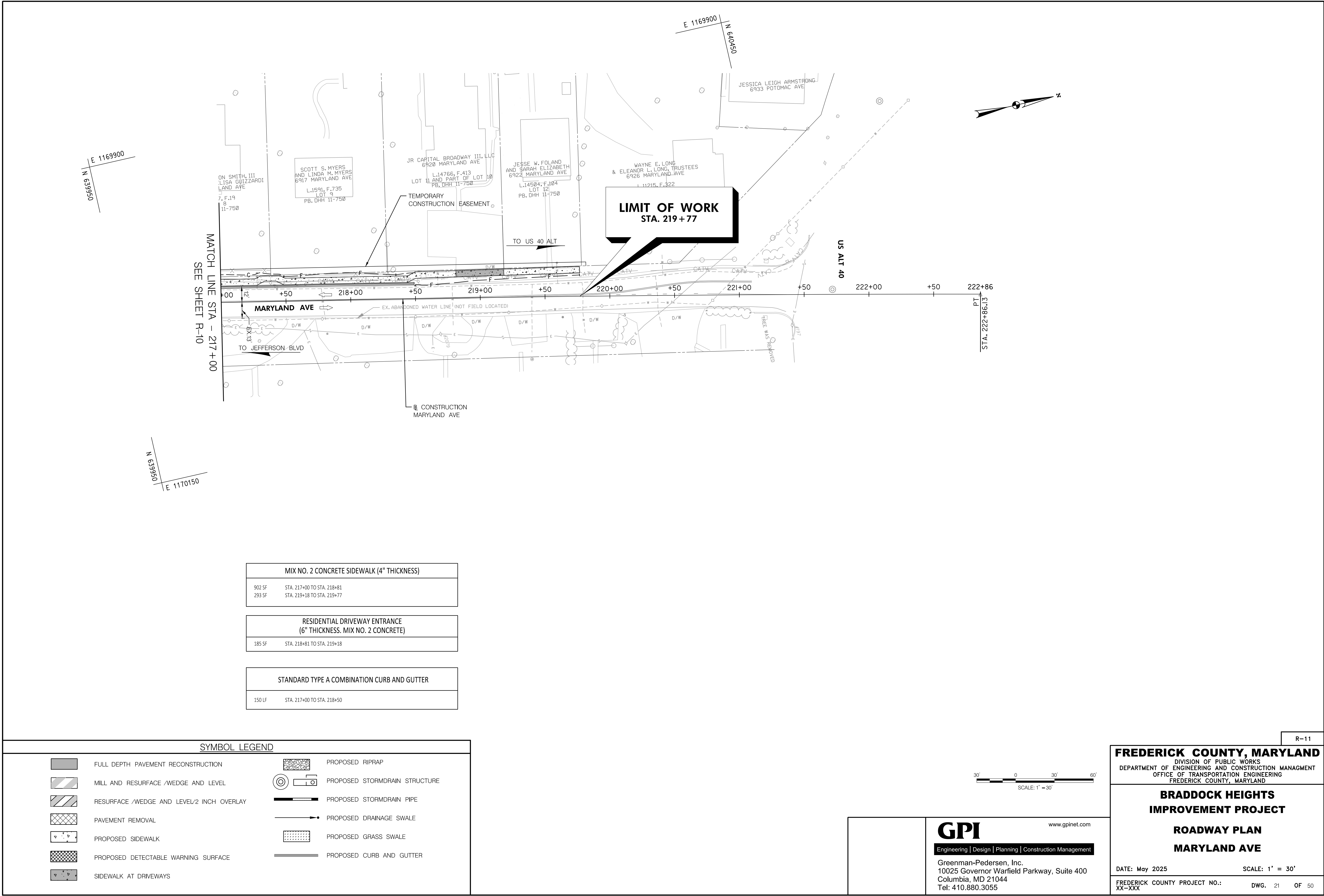
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FREDERICK COUNTY, MARYLAND

**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

**ROADWAY PLAN
MARYLAND AVE**

DATE: May 2025
FREDERICK COUNTY PROJECT NO.: XX-XXX

SCALE: 1" = 30'
DWG. 20 OF 50

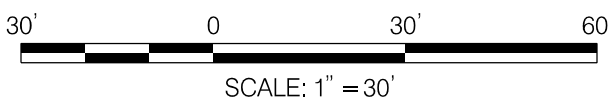


MIX NO. 2 CONCRETE SIDEWALK (4" THICKNESS)	
902 SF	STA. 217+00 TO STA. 218+81
293 SF	STA. 219+18 TO STA. 219+77

RESIDENTIAL DRIVEWAY ENTRANCE (6" THICKNESS, MIX NO. 2 CONCRETE)	
185 SF	STA. 218+81 TO STA. 219+18

STANDARD TYPE A COMBINATION CURB AND GUTTER	
150 LF	STA. 217+00 TO STA. 218+50

SYMBOL LEGEND			
	FULL DEPTH PAVEMENT RECONSTRUCTION		PROPOSED RIPRAP
	MILL AND RESURFACE /WEDGE AND LEVEL		PROPOSED STORMDRAIN STRUCTURE
	RESURFACE /WEDGE AND LEVEL/2 INCH OVERLAY		PROPOSED STORMDRAIN PIPE
	PAVEMENT REMOVAL		PROPOSED DRAINAGE SWALE
	PROPOSED SIDEWALK		PROPOSED GRASS SWALE
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CURB AND GUTTER
	SIDEWALK AT DRIVEWAYS		



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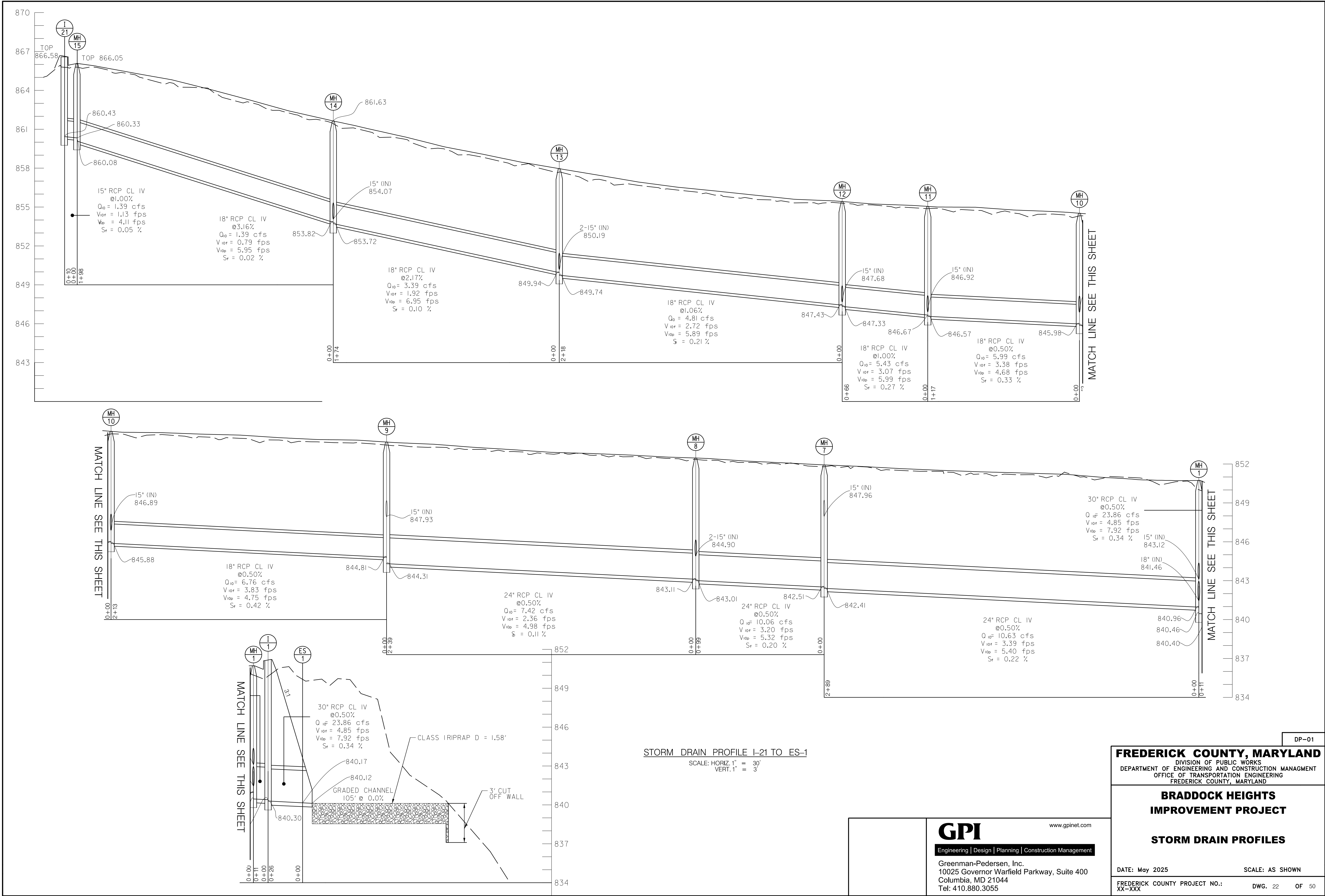
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FREDERICK COUNTY, MARYLAND

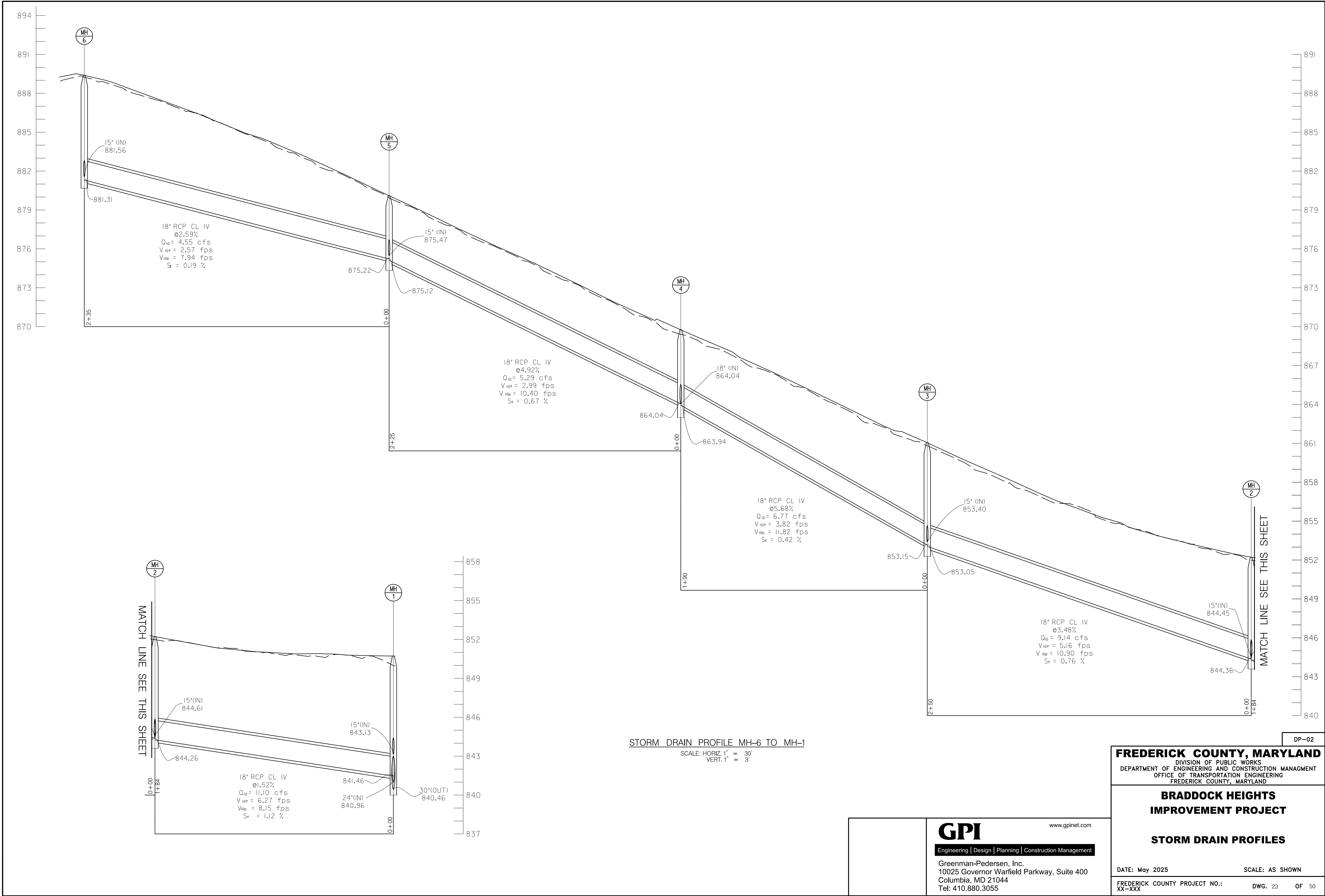
**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

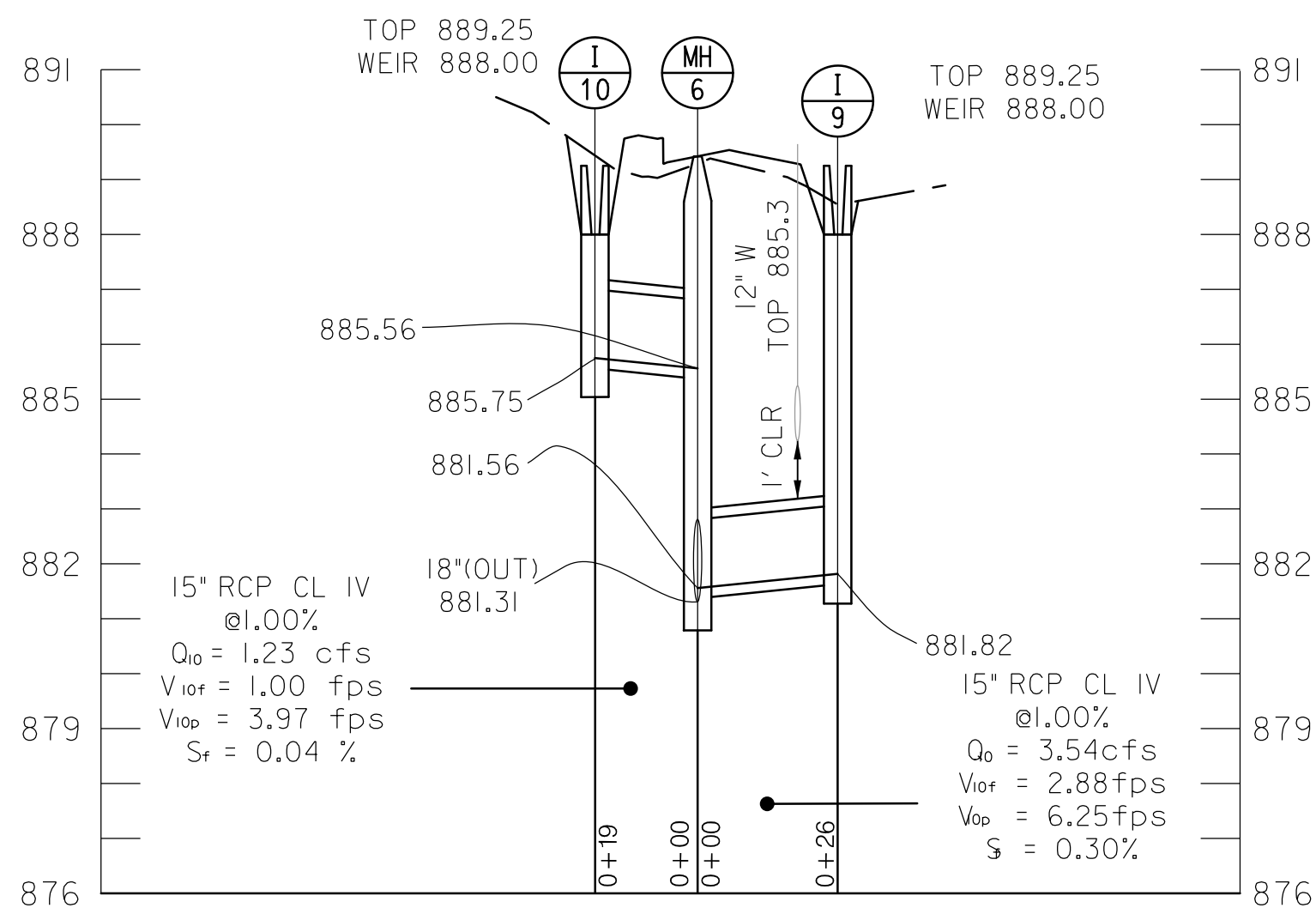
**ROADWAY PLAN
MARYLAND AVE**

DATE: May 2025SCALE: 1' = 30'

FREDERICK COUNTY PROJECT NO.: XX-XXXDWG. 21 OF 50

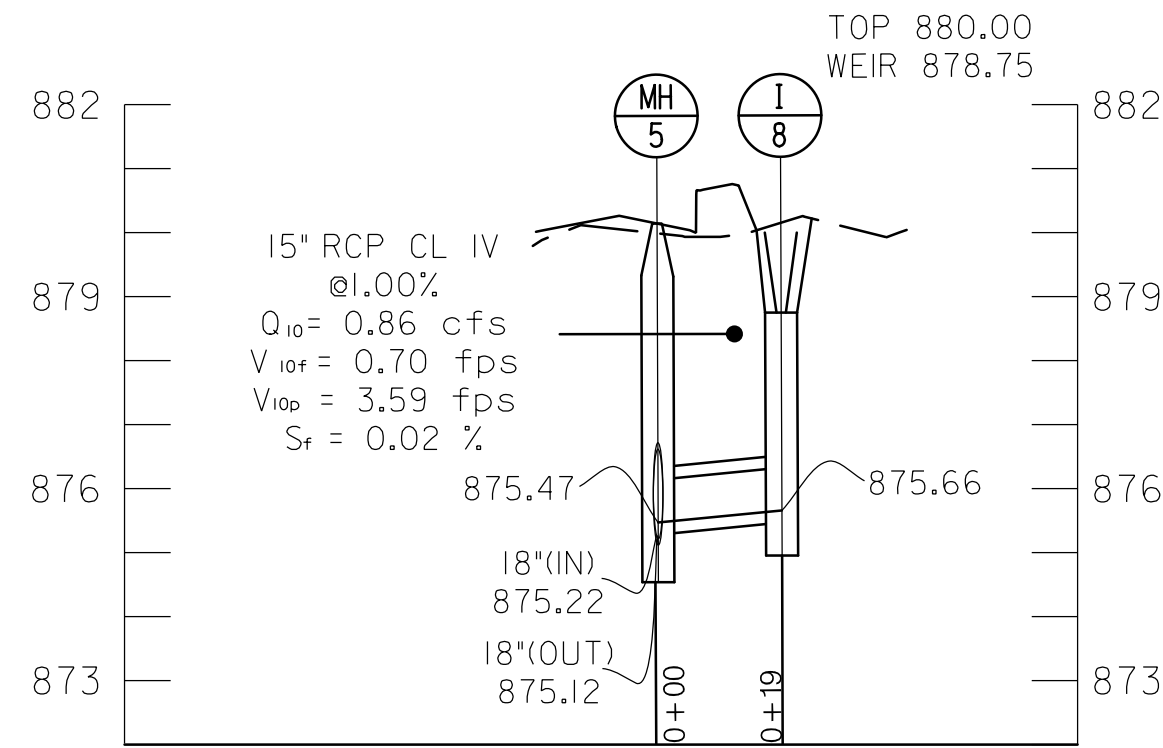






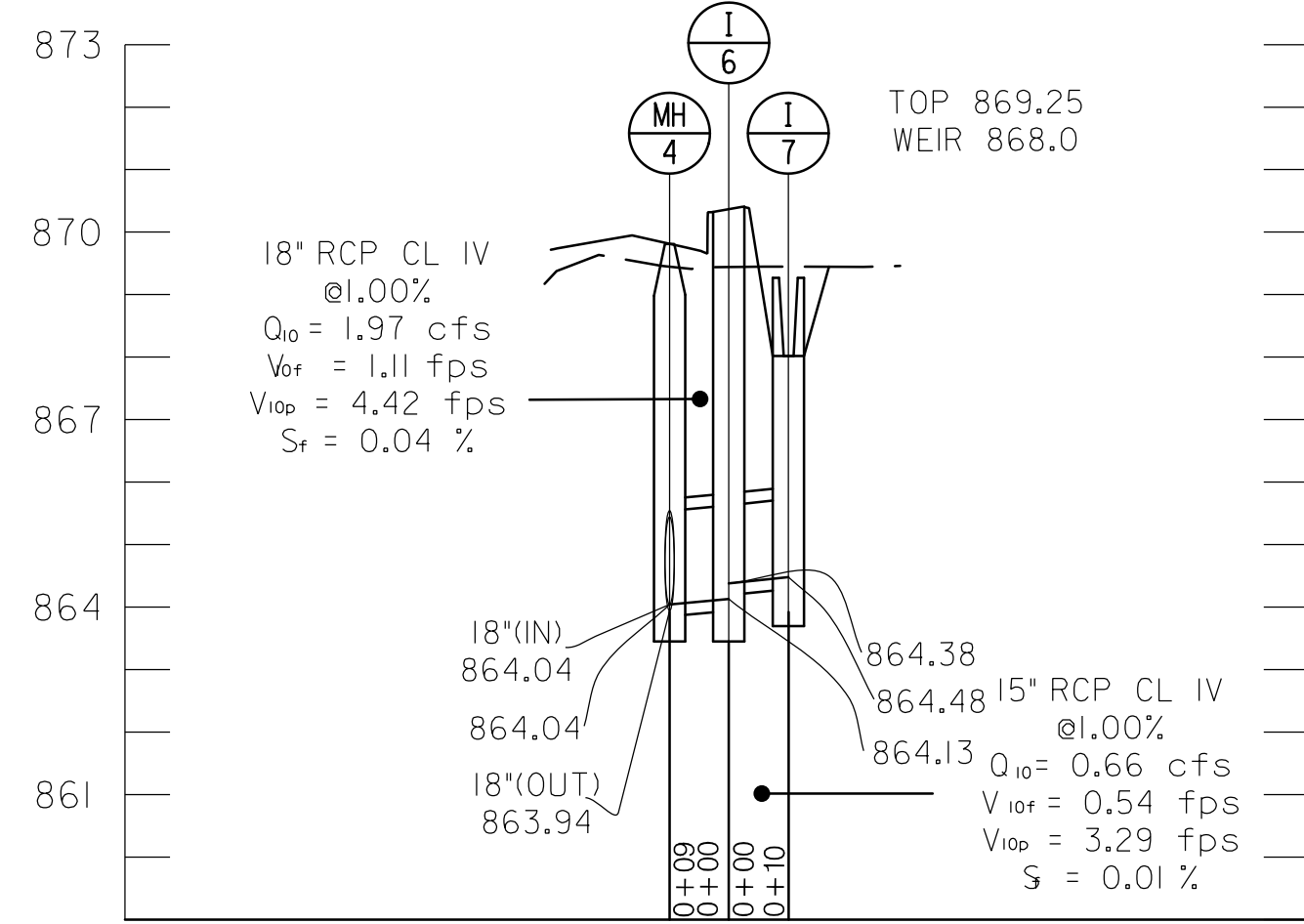
STORM DRAIN PROFILE I-10 & I-6 TO MH-6

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



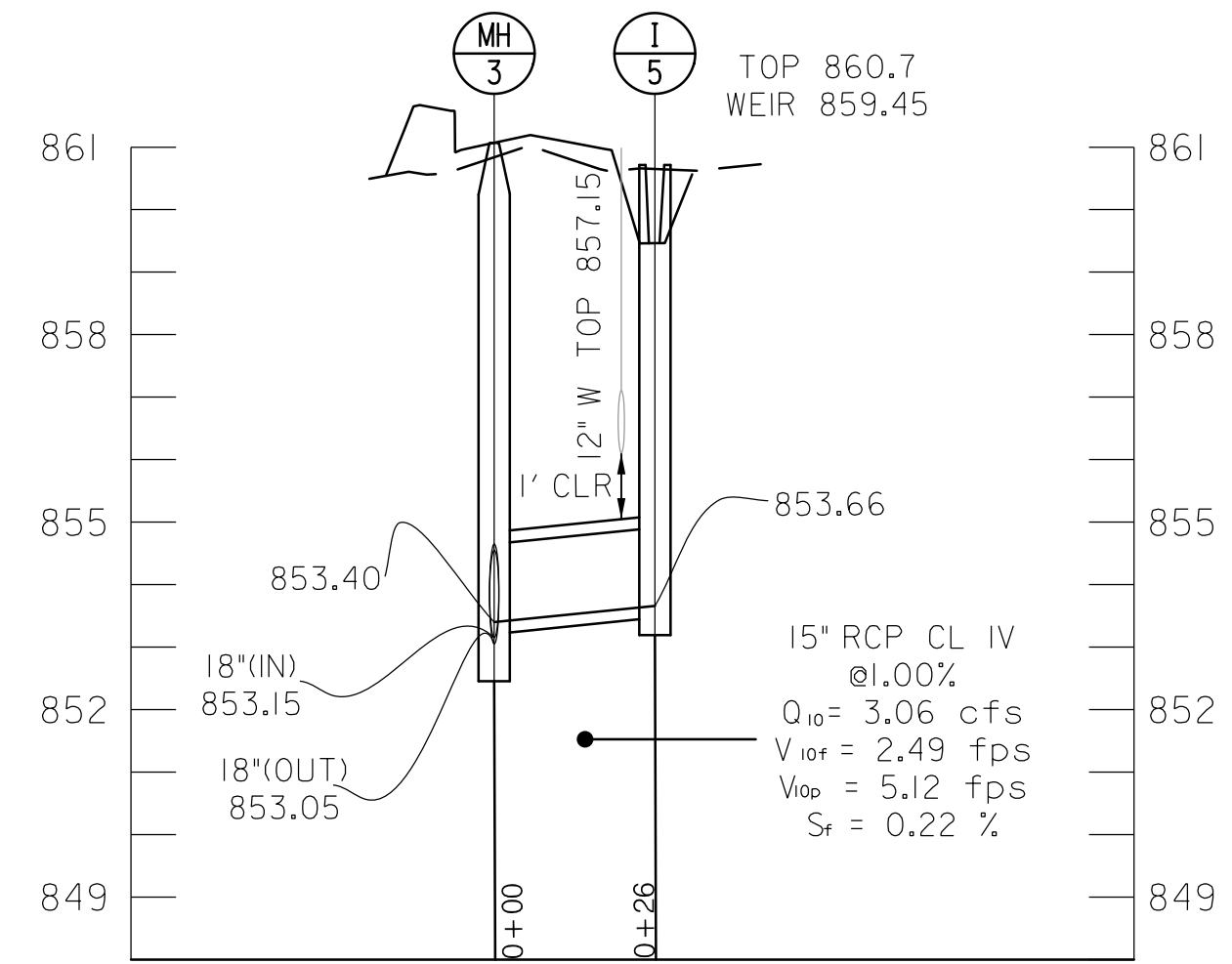
STORM DRAIN PROFILE I-8 TO MH-5

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



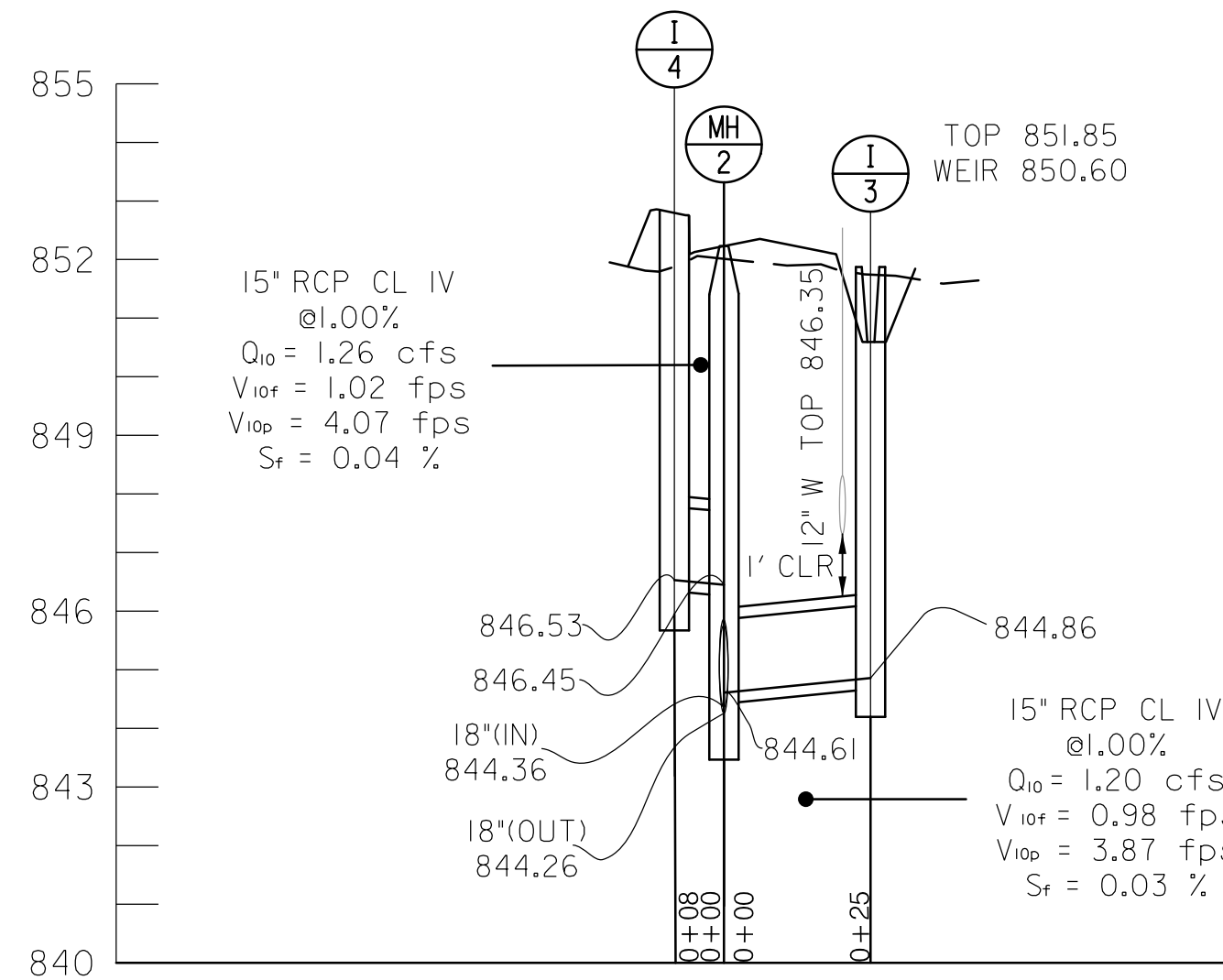
STORM DRAIN PROFILE I-7 TO MH-4

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



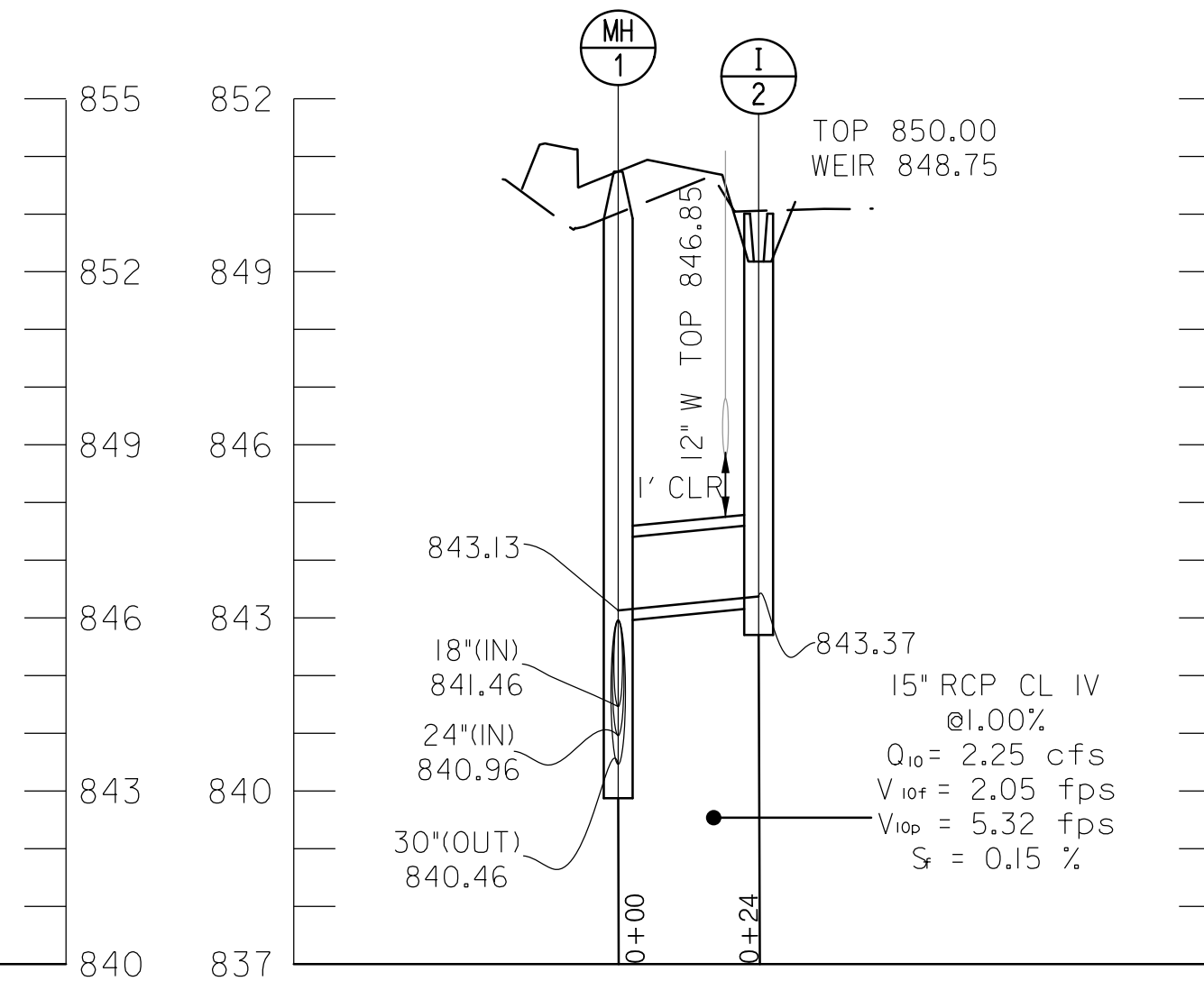
STORM DRAIN PROFILE I-5 TO MH-3

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



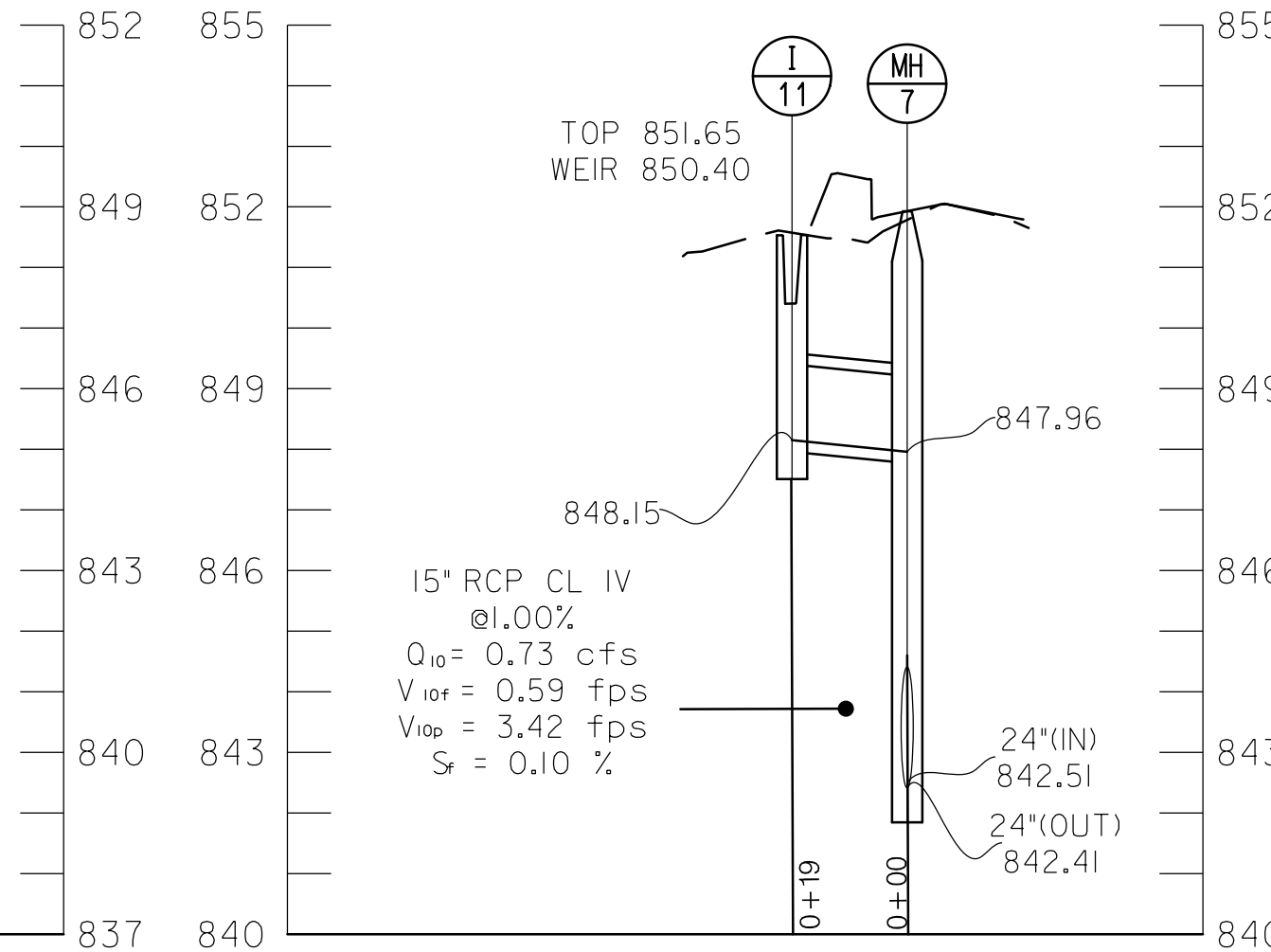
STORM DRAIN PROFILE I-4 & I-3 TO MH-2

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



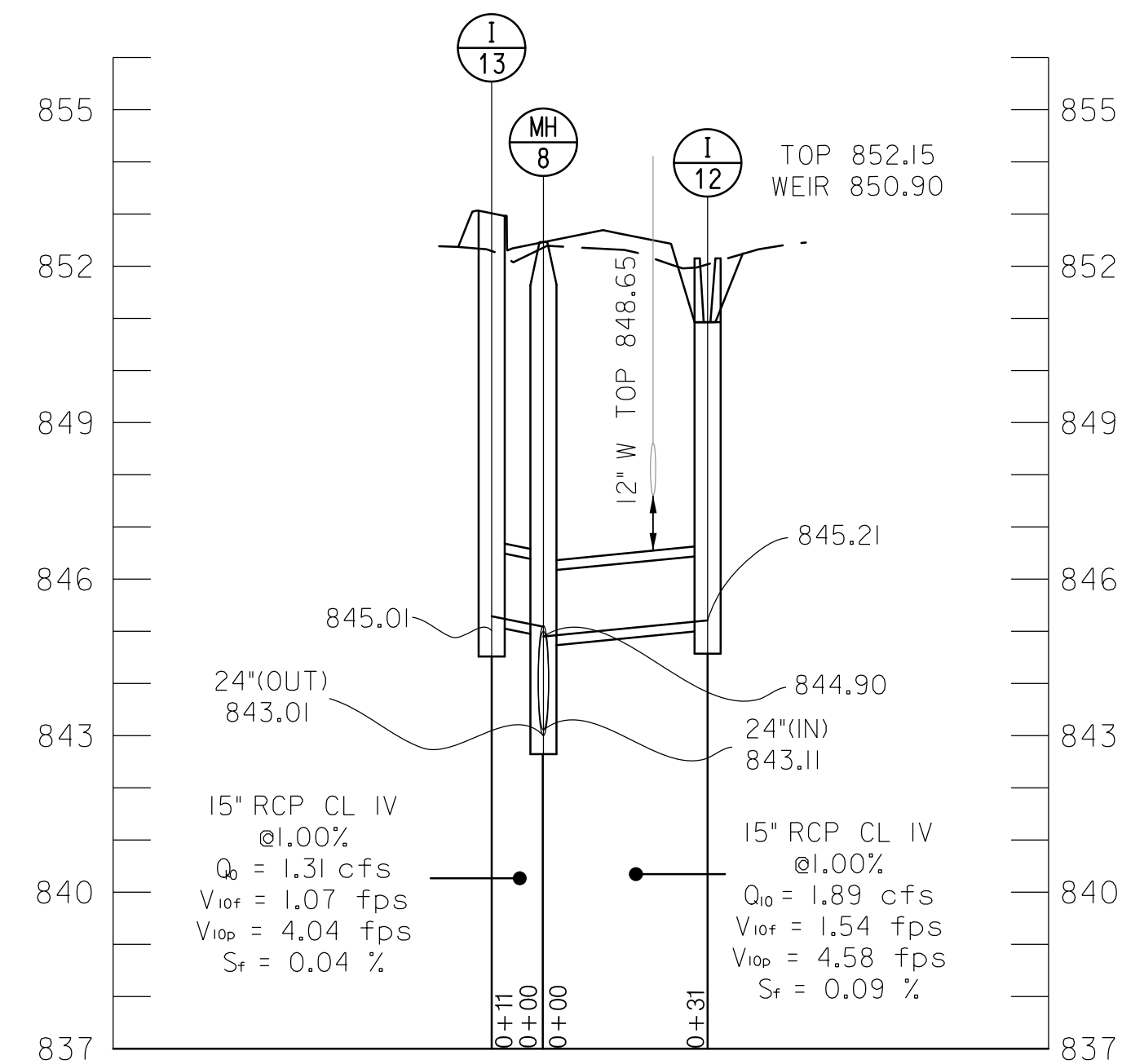
STORM DRAIN PROFILE I-2 TO MH-1

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



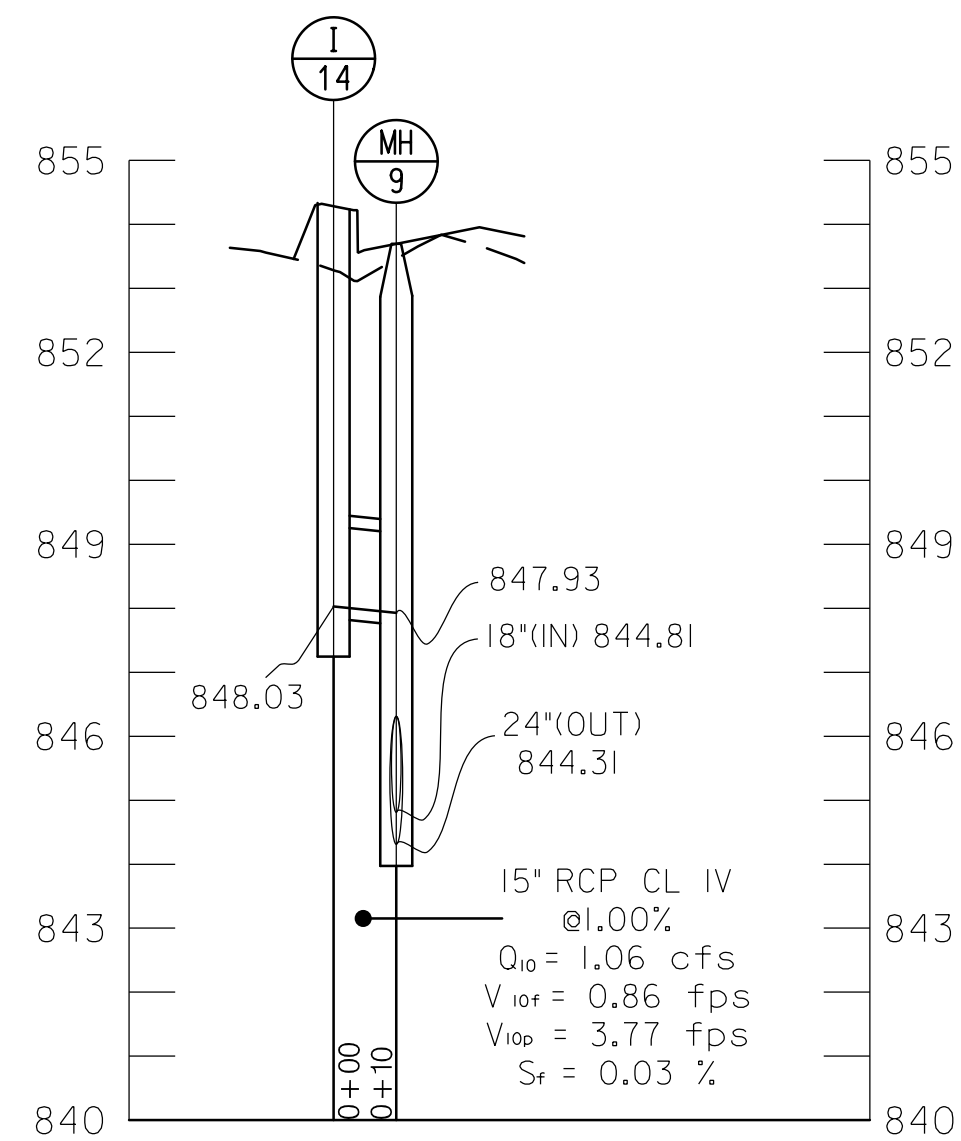
STORM DRAIN PROFILE I-11 TO MH-7

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



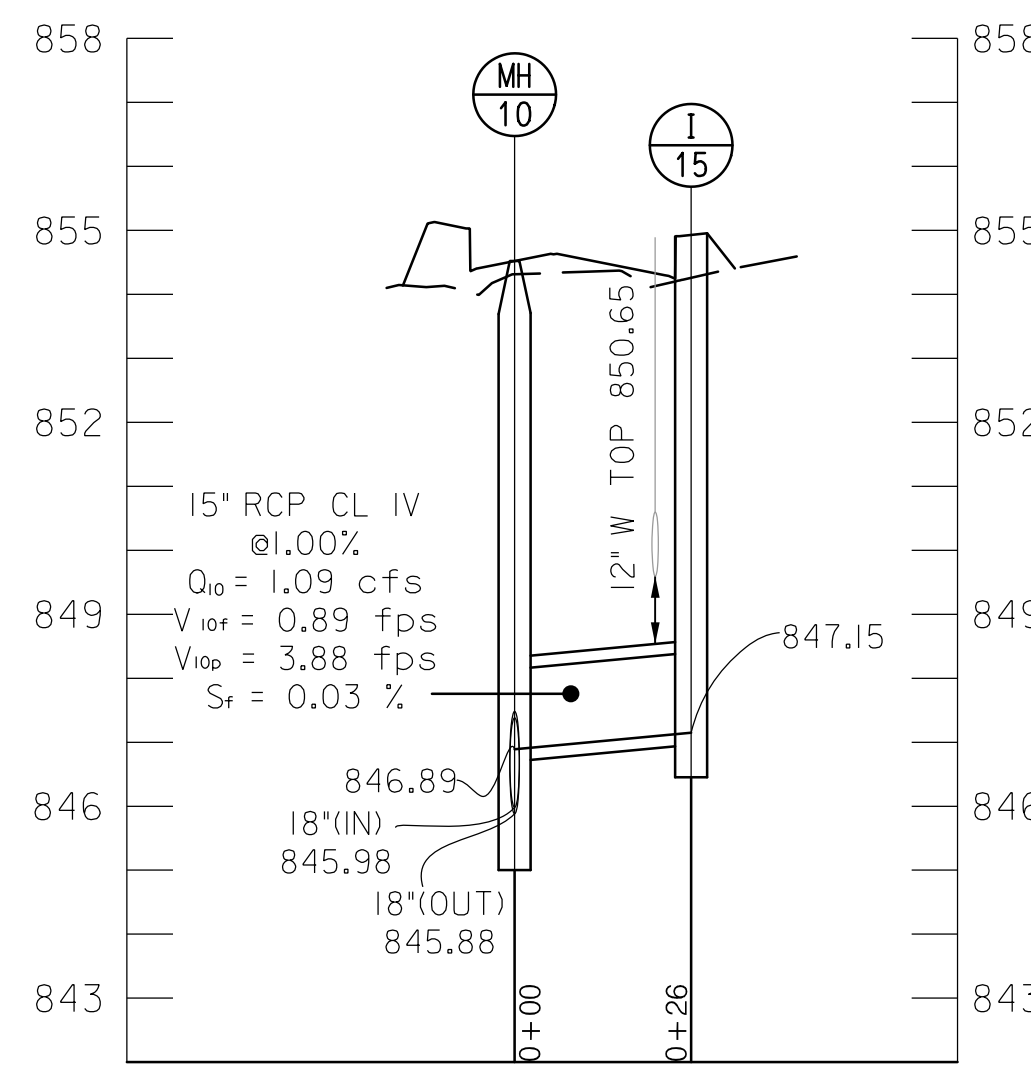
STORM DRAIN PROFILE I-13 & I-12 TO MH-8

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



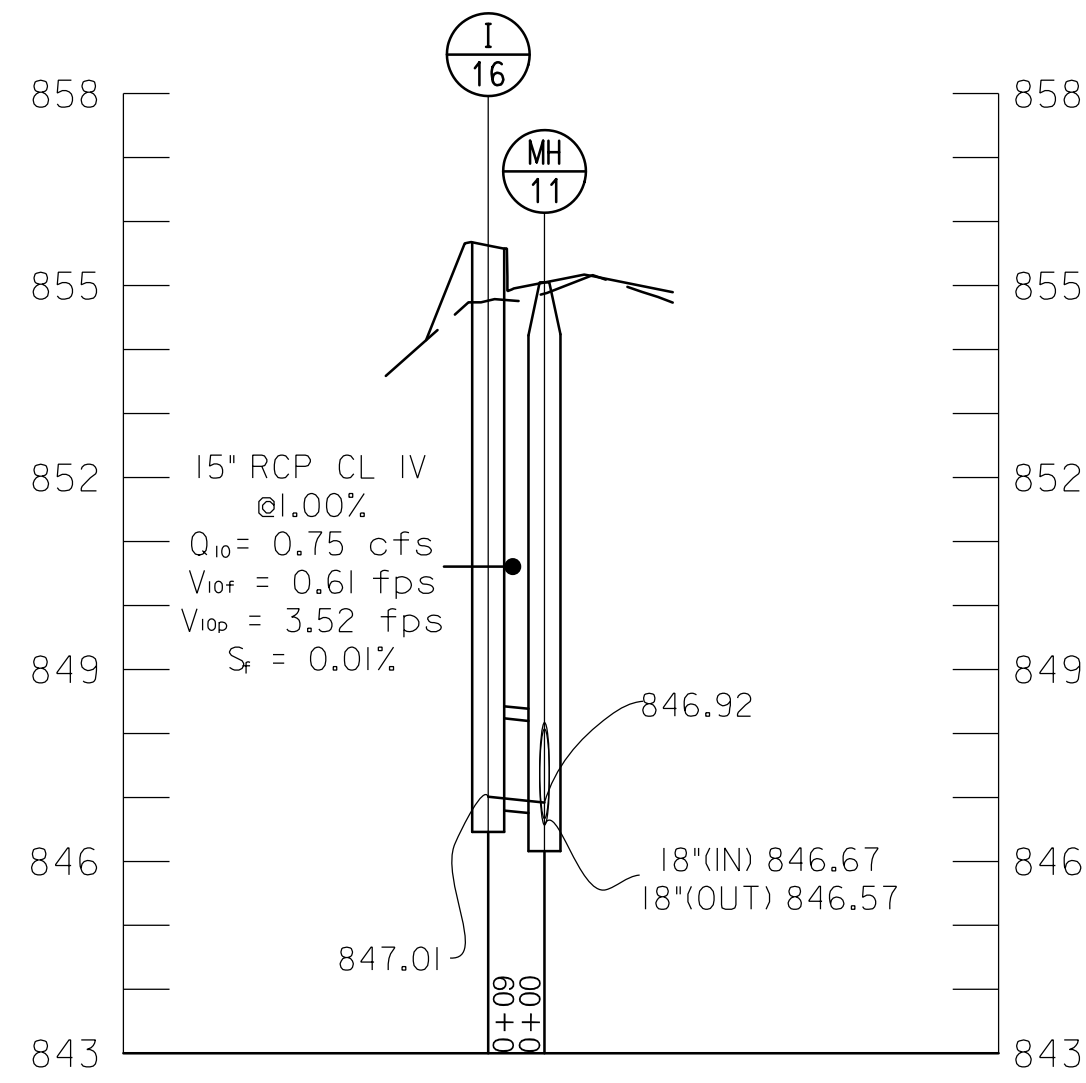
STORM DRAIN PROFILE I-14 TO MH-9

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



STORM DRAIN PROFILE I-15 TO MH-10

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



STORM DRAIN PROFILE I-16 TO MH-11

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'

DP-03

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**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

STORM DRAIN PROFILES

DATE: May 2025

SCALE: AS SHOWN

FREDERICK COUNTY PROJECT NO.:
XX-XXX

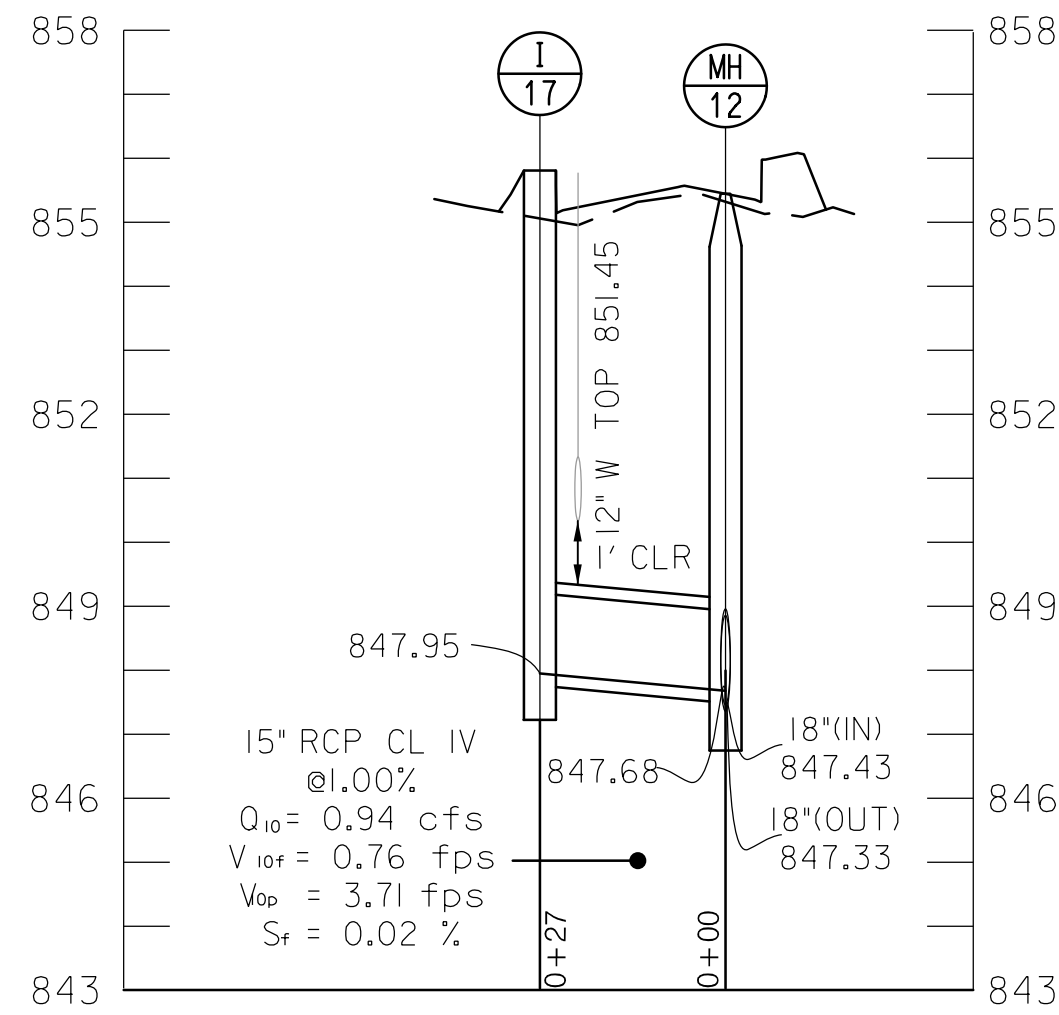
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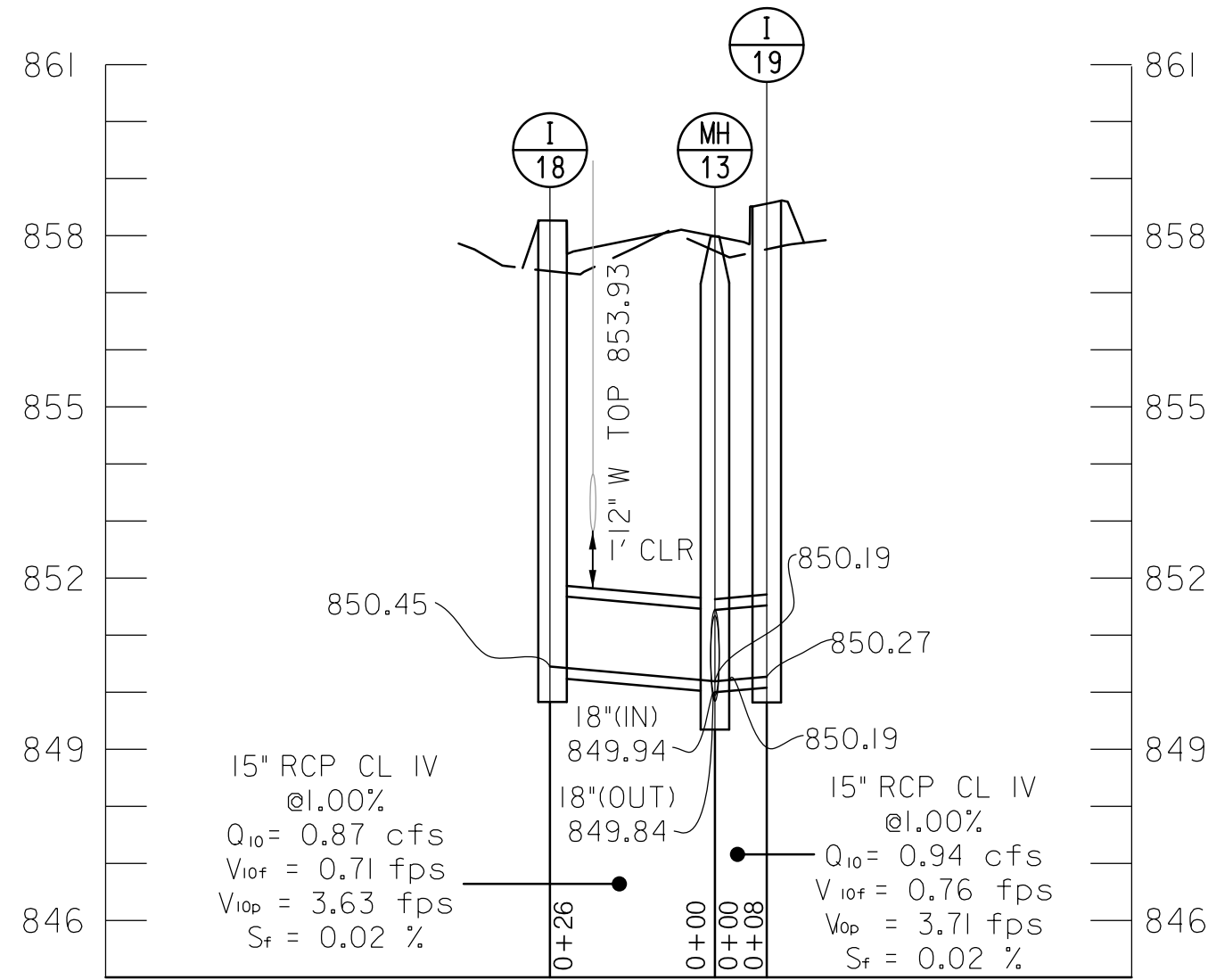
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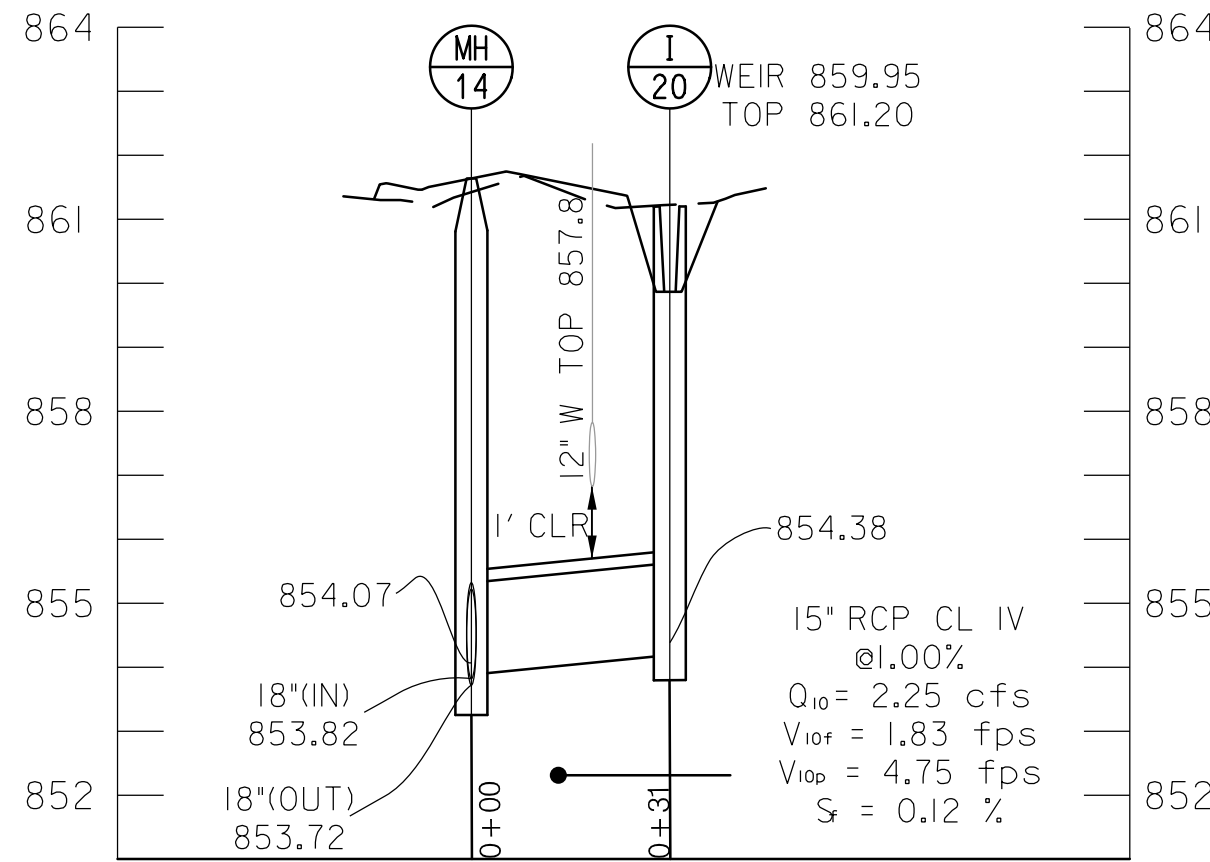
STORM DRAIN PROFILE I-17 TO MH-12

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



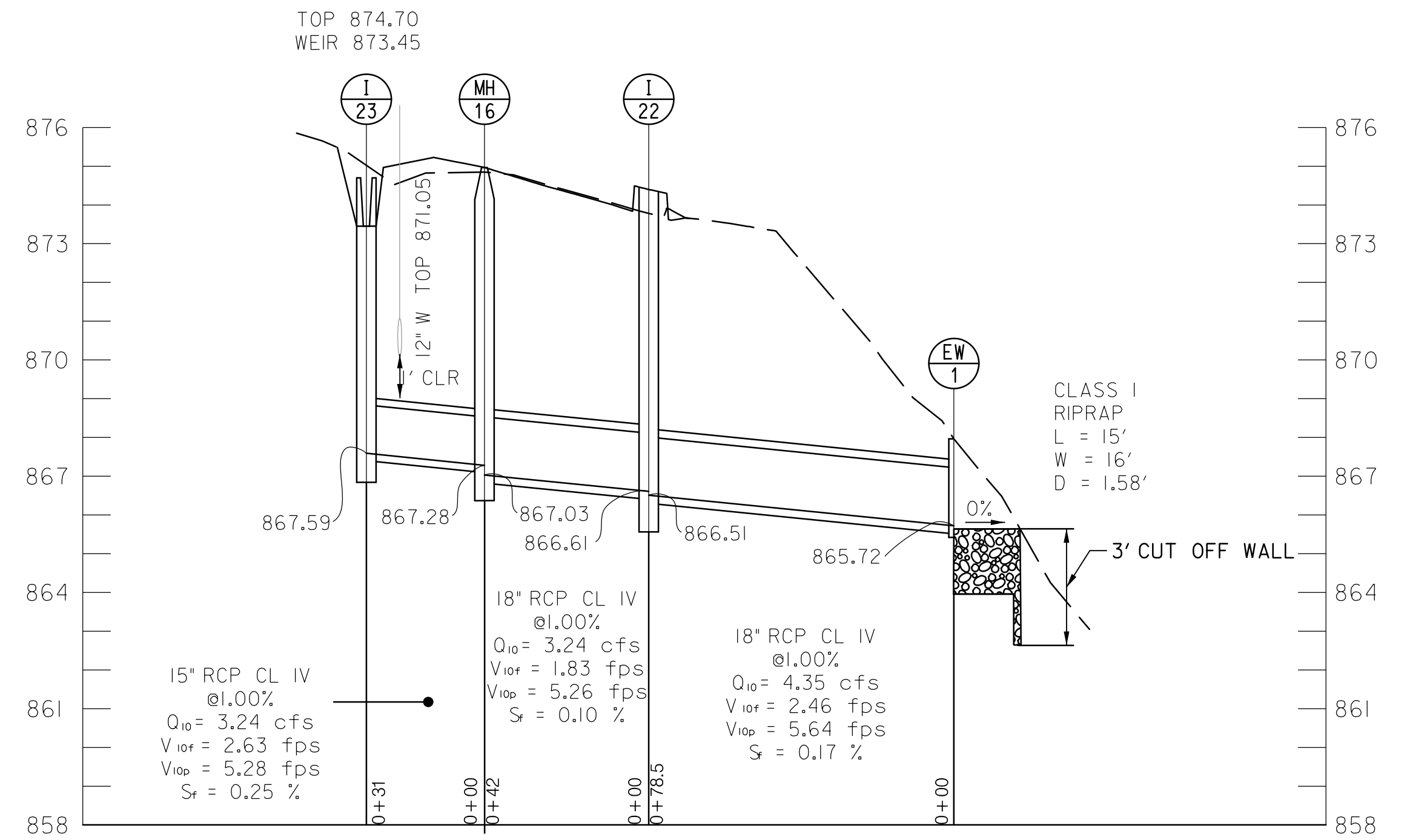
STORM DRAIN PROFILE I-18 & I-19 TO MH-13

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



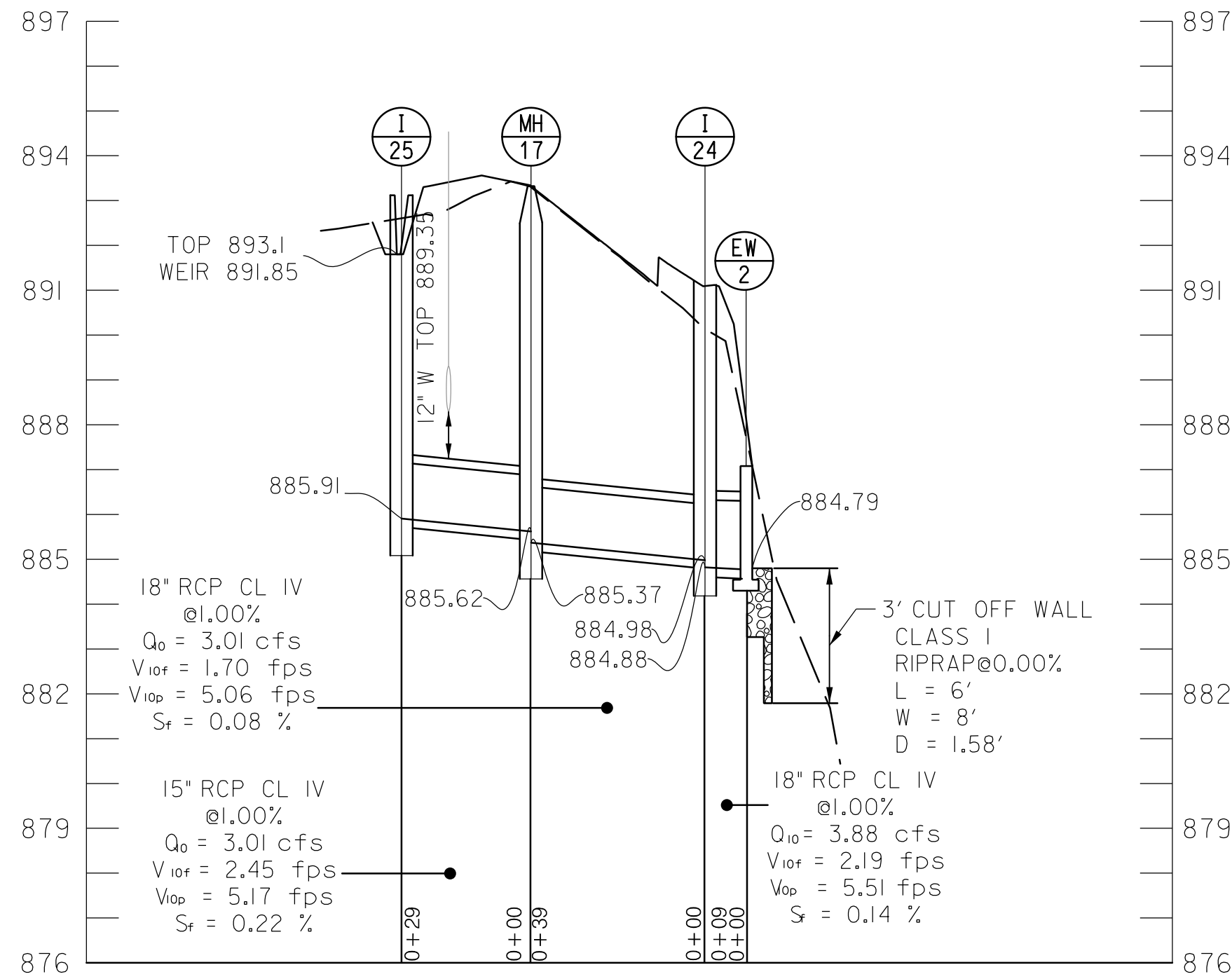
STORM DRAIN PROFILE I-20 TO MH-14

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



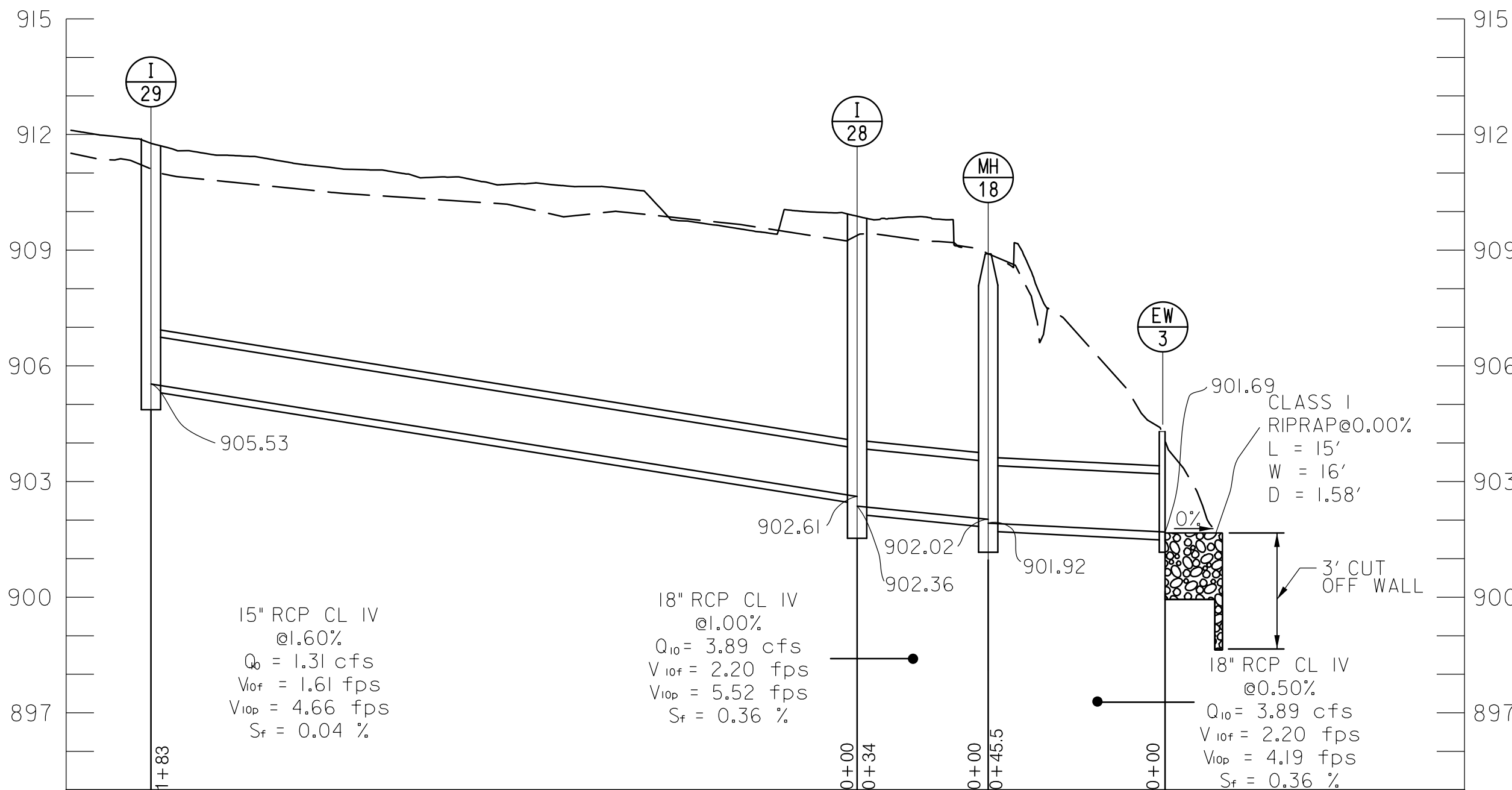
STORM DRAIN PROFILE I-23 TO EW-2

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



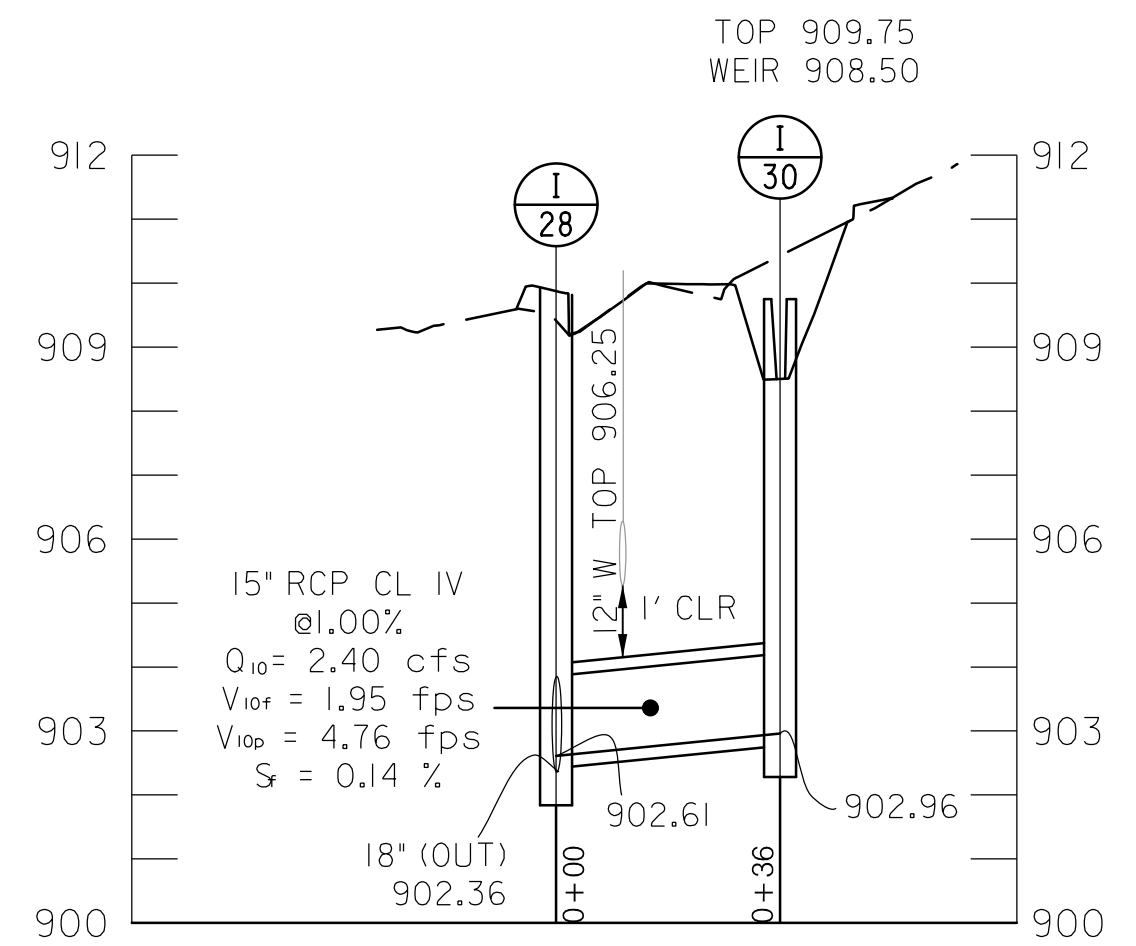
STORM DRAIN PROFILE I-25 TO EW-2

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



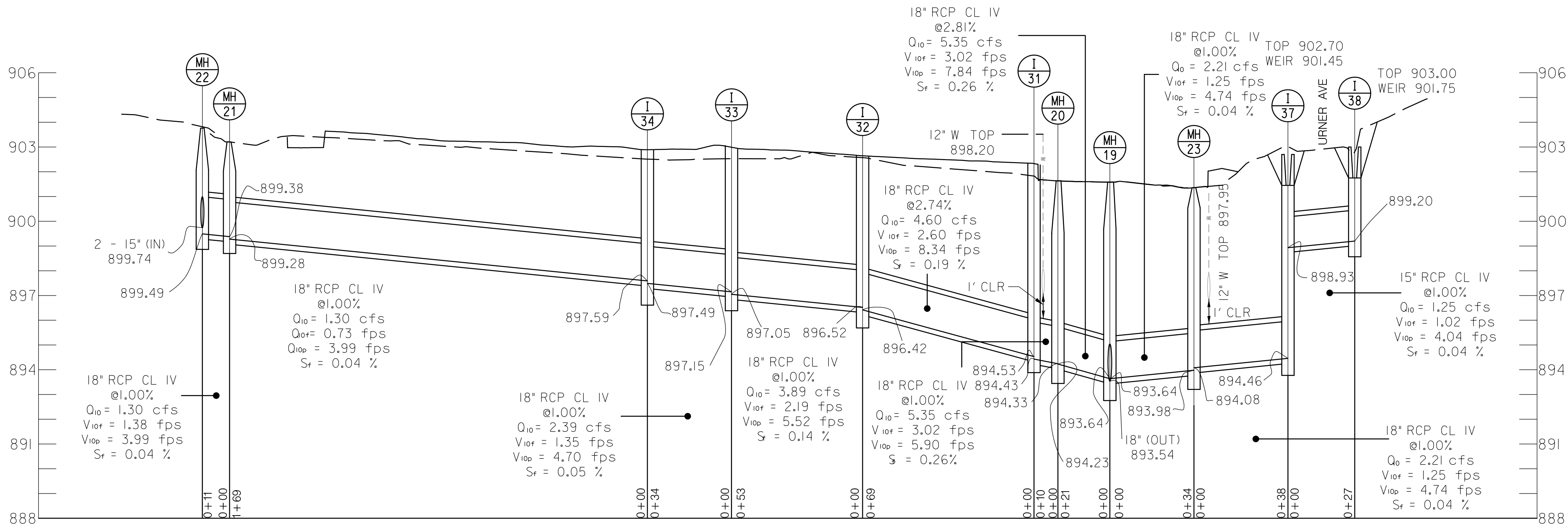
STORM DRAIN PROFILE I-29 TO ES-3

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



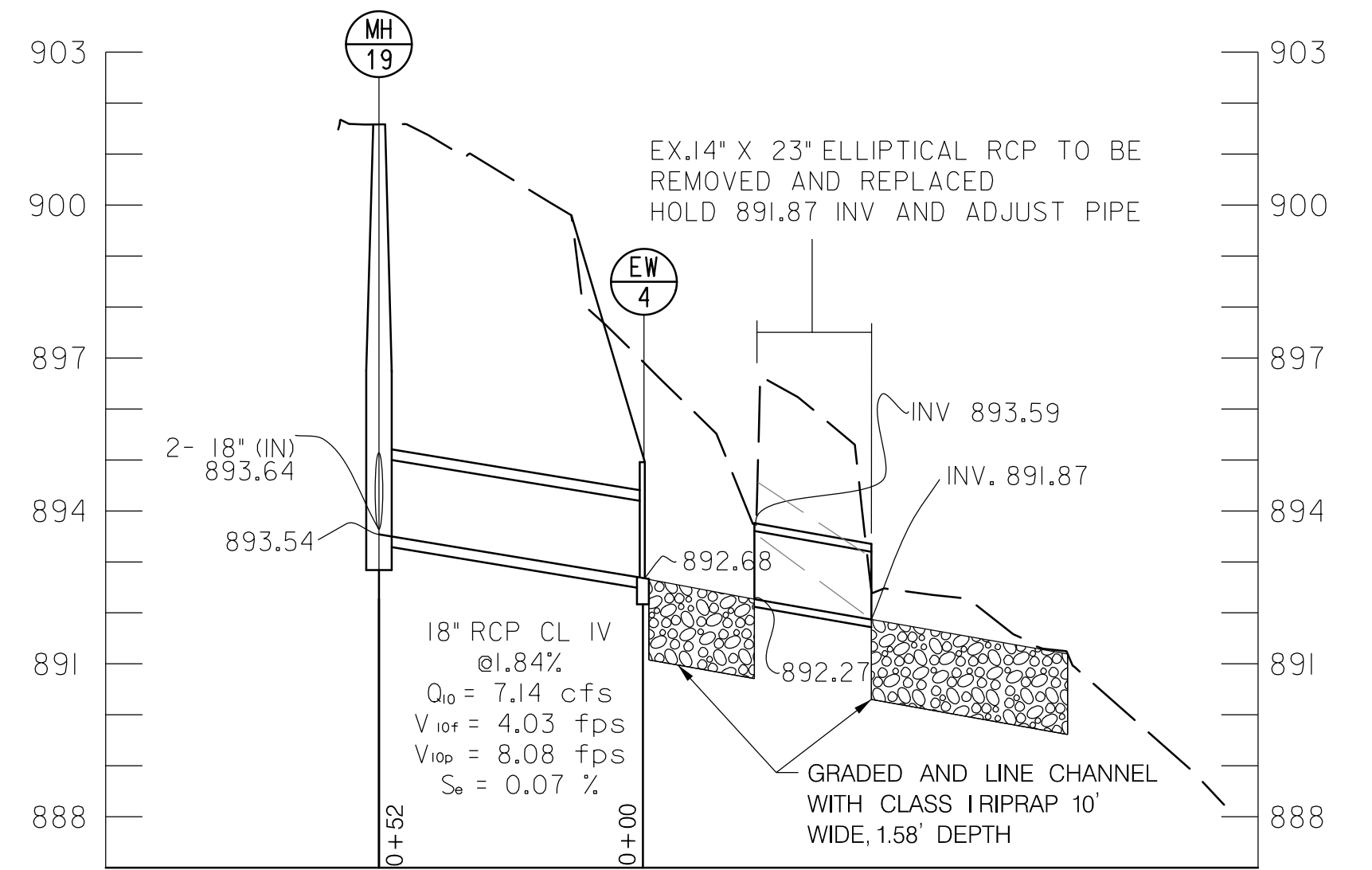
STORM DRAIN PROFILE I-30 TO I-28

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



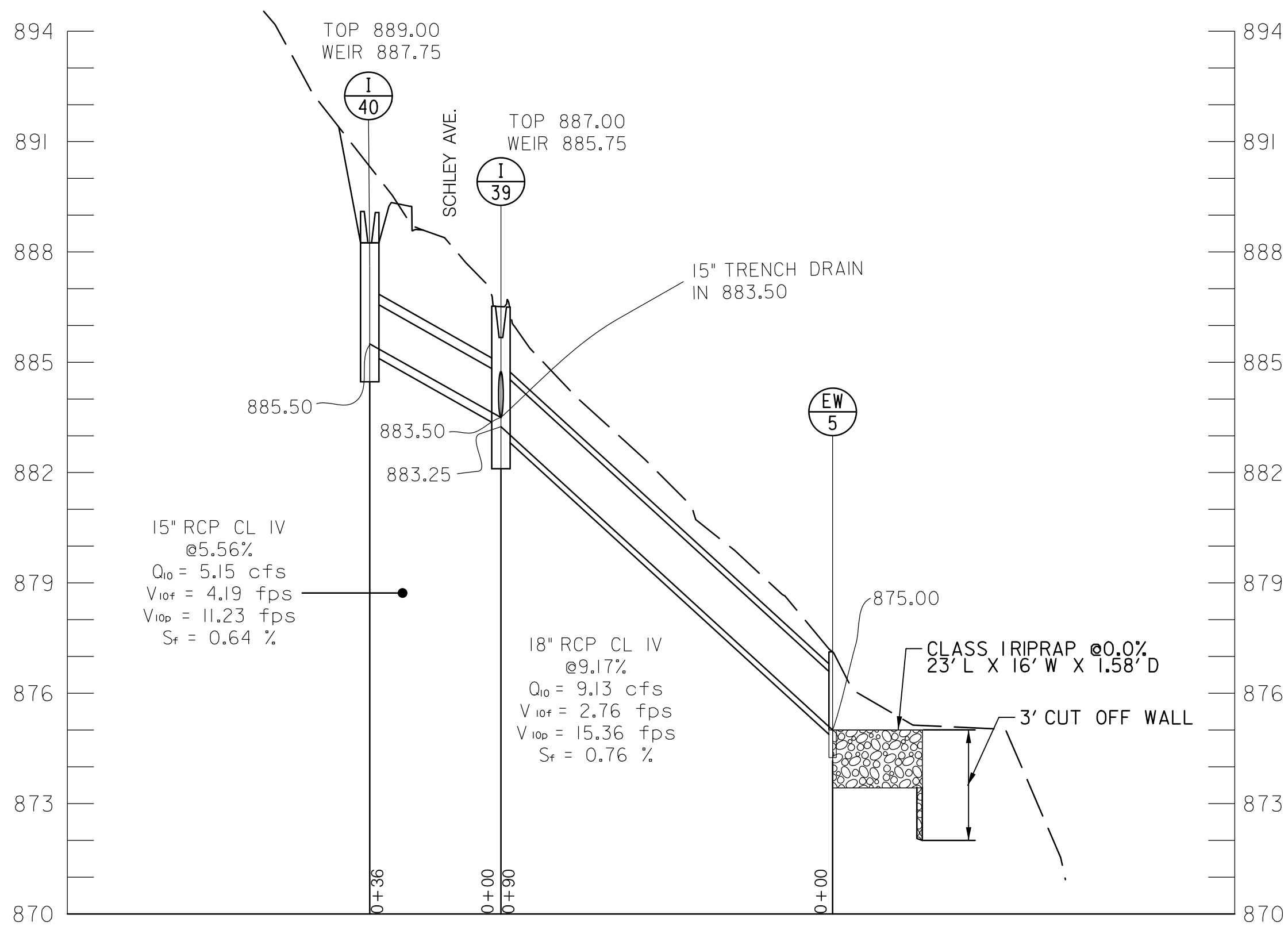
STORM DRAIN PROFILE MH-22 & I-38 TO MH-19

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



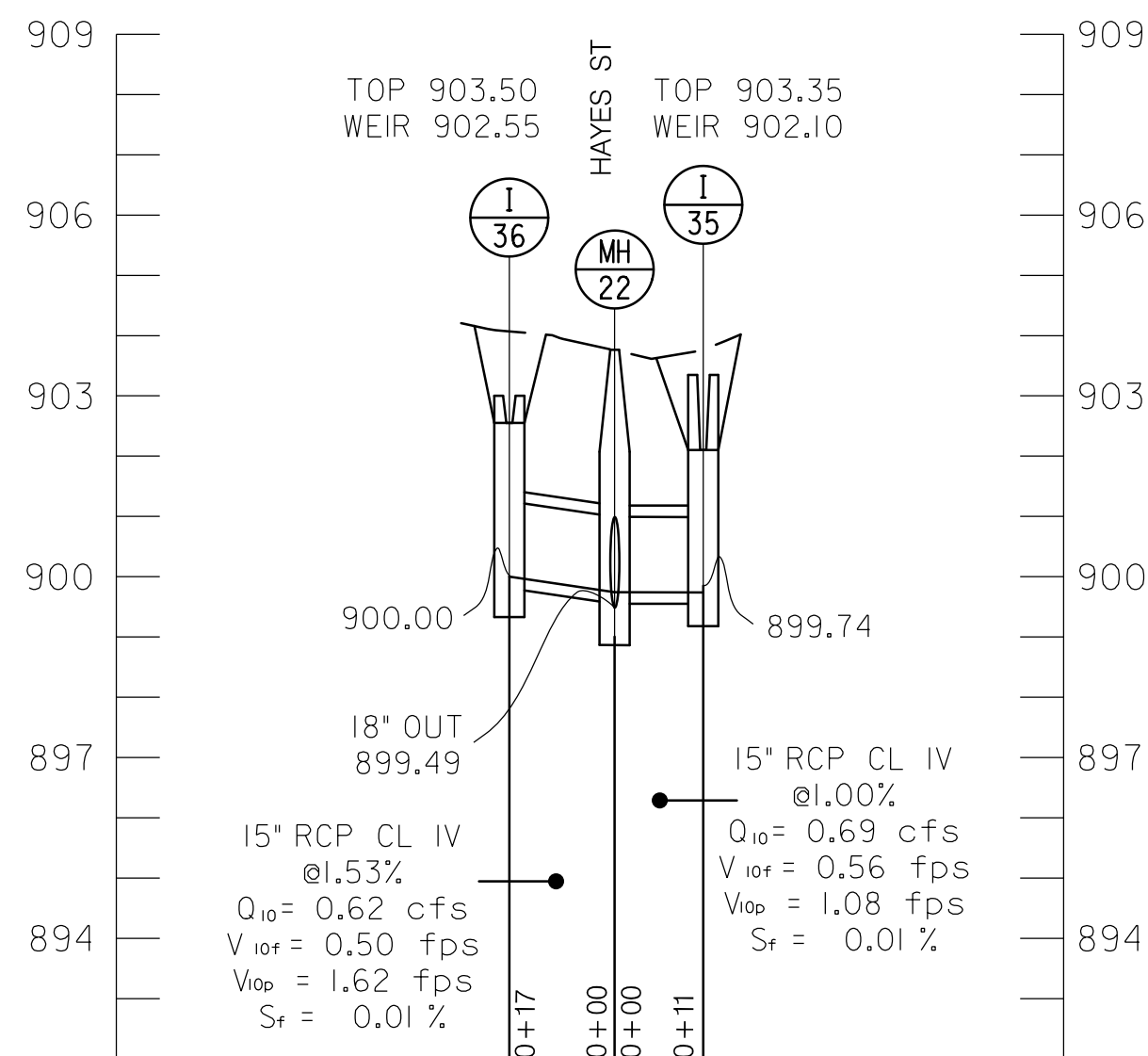
STORM DRAIN PROFILE MH-19 TO EW-4

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



STORM DRAIN PROFILE I-40 TO EW-5

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



STORM DRAIN PROFILE I-36 & I-35 TO MH-22

SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'

DP-05

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FREDERICK COUNTY, MARYLAND

**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

STORM DRAIN PROFILES

DATE: May 2025

SCALE: AS SHOWN

FREDERICK COUNTY PROJECT NO.:
XX-XXX

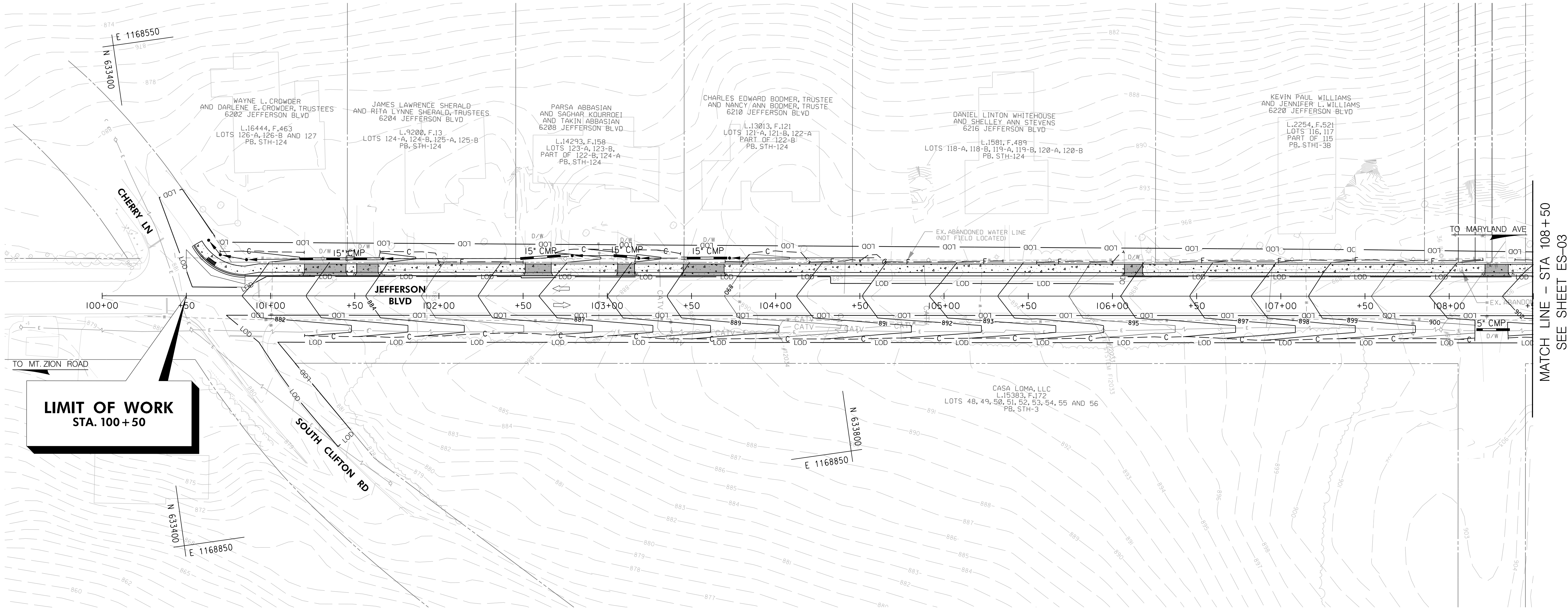
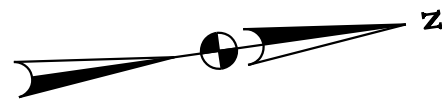
DWG. 26 OF 50

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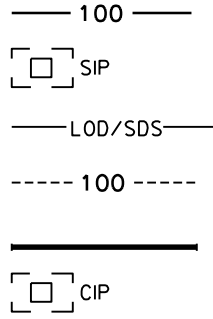
MATCH LINE - STA 108+50
SEE SHEET ES-03

SEQUENCE OF CONSTRUCTION

- OBTAIN ALL REQUIRED PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. CONTRACTOR SHALL CONTACT MISS UTILITY AND THE FREDERICK COUNTY SOIL CONSERVATION DISTRICT TO SET UP A PRE-CONSTRUCTION MEETING AT LEAST (5) DAYS PRIOR TO BEGINNING CONSTRUCTION. THE LIMITS OF DISTURBANCE SHALL BE STAKED IN THE FIELD PRIOR TO THE PRE-CONSTRUCTION MEETING. ADDITIONAL SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS A RESULT OF THE PRECONSTRUCTION MEETING.
- IMPLEMENT DETOUR OPERATION AS NEEDED. SEE SHEET MT-01 FOR DETAILS.
- ALL WORK SHALL BE DONE USING "SAME DAY STABILIZATION". NO MORE AREA SHALL BE DISTURBED THAN CAN BE STABILIZED AT THE END OF THE WORKDAY. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS THE RUNOFF IS DIRECTED TO AN MDE APPROVED SEDIMENT CONTROL DEVICE. INSTALL EROSION AND SEDIMENT CONTROLS AS SHOWN ON THE PLANS IN THE INTENDED AREA OF DISTURBANCE EACH DAY.
- SAW CUT PAVEMENT AND COMMENCE CONSTRUCTION. REMOVE EXISTING CURB, SIDEWALK, AND PAVEMENT AS SHOWN ON THE PLANS.
- INSTALL STORM DRAIN AND GRADE SWALES AS SHOWN ON THE PLANS. STABILIZE ALL DITCHES AS THEY ARE CONSTRUCTED AND ADD INLET PROTECTION AS STRUCTURES ARE BROUGHT UP TO GRADE.
- ONCE PROPOSED PAVED AREAS ARE TO SUBGRADE, BEGIN CURB INSTALLATION AND PAVING OPERATIONS. INSTALL ADA RAMPS AND SIDEWALK. COMPLETE RESURFACING.
- UPON COMPLETION OF CONSTRUCTION, REMEDIATE DISTURBED AREAS TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
- UPON APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR, REMOVED SEDIMENT CONTROL DEVICES AND STABILIZE AREAS DISTURBED BY THE REMOVAL.

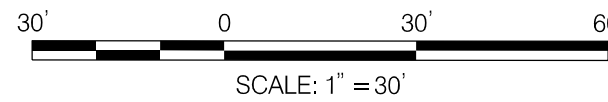
LEGEND

- PROPOSED CONTOURS
STANDARD INLET PROTECTION
LIMIT OF DISTURBANCE /SAME DAY STABILIZATION
EXISTING CONTOURS
FILTER LOG
CURB INLET PROTECTION



EROSION AND SEDIMENT CONTROL GENERAL NOTES

- ALL SOIL EROSION/ SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE '2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL' AND THE PROVISIONS OF THE APPROVED PLAN.
- CONTRACTOR TO ONLY EXCAVATE SECTIONS OF TRENCH THAT CAN BE CONSTRUCTED AND BACKFILLED IN ONE WORKING DAY.
- DURING CONSTRUCTION, ALL EROSION AND SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AFTER EACH RAINFALL AND REPAIRED IF NECESSARY.
- EXISTING TREES, SHRUBS, AND THEIR RESPECTIVE ROOT SYSTEMS SHALL NOT BE DISTURBED DURING CONSTRUCTION, UNLESS NOTED ON THE APPROVED PLANS.
- PLACE 4 INCHES OF FURNISHED TOPSOIL AND PERFORM TURFGRASS SOD ESTABLISHMENT IN ALL DISTURBED AREAS OF THE PROJECT, OR AS NECESSARY TO RESTORE TOPSOIL AND GROUND COVER VEGETATION IN ALL AREAS WITHIN THE LOD.



SCALE: 1" = 30'

CERTIFICATION OF THE DISTURBED AREA QUANTITY	
I hereby certify that the estimated total amount of area to be disturbed shown on these plans has been computed to _____ c.y. of excavation, _____ c.y. of fill and the total area to be disturbed as shown on these plans has been determined to be _____ square feet, or _____ acres.	
ENGINEER'S SIGNATURE	P.E. NO.
PRINT NAME	DATE

Fredrick County Soil Conservation District Erosion and Sediment Control Plan Approval	
By: _____ District Manager or Designee	Date: _____ Plan is valid for 2 years from date of approval
SCD approval for sediment and erosion control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.	

ENGINEER'S DESIGN CERTIFICATION:	
I hereby certify this plan has been designed in accordance with local ordinances, COMAR 26.17.01, and 2011 Maryland Standards and Specification for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits. If applicable, this plan is also designed in accordance with the requirements contained within USDA, NRCS "Standards and Specifications for Ponds MD-378" and the policies and procedures of the Maryland Department of the Environment Dam Safety program.	
ENGINEER'S SIGNATURE	P.E. NO.
PRINT NAME	DATE

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Greenman-Pedersen, Inc.
10025 Governor Warfield Parkway, Suite 400
Columbia, MD 21044
Tel: 410.880.3055

www.gpinet.com

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DIVISION OF PUBLIC WORKS
DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGMENT
OFFICE OF TRANSPORTATION ENGINEERING
FREDERICK COUNTY, MARYLAND

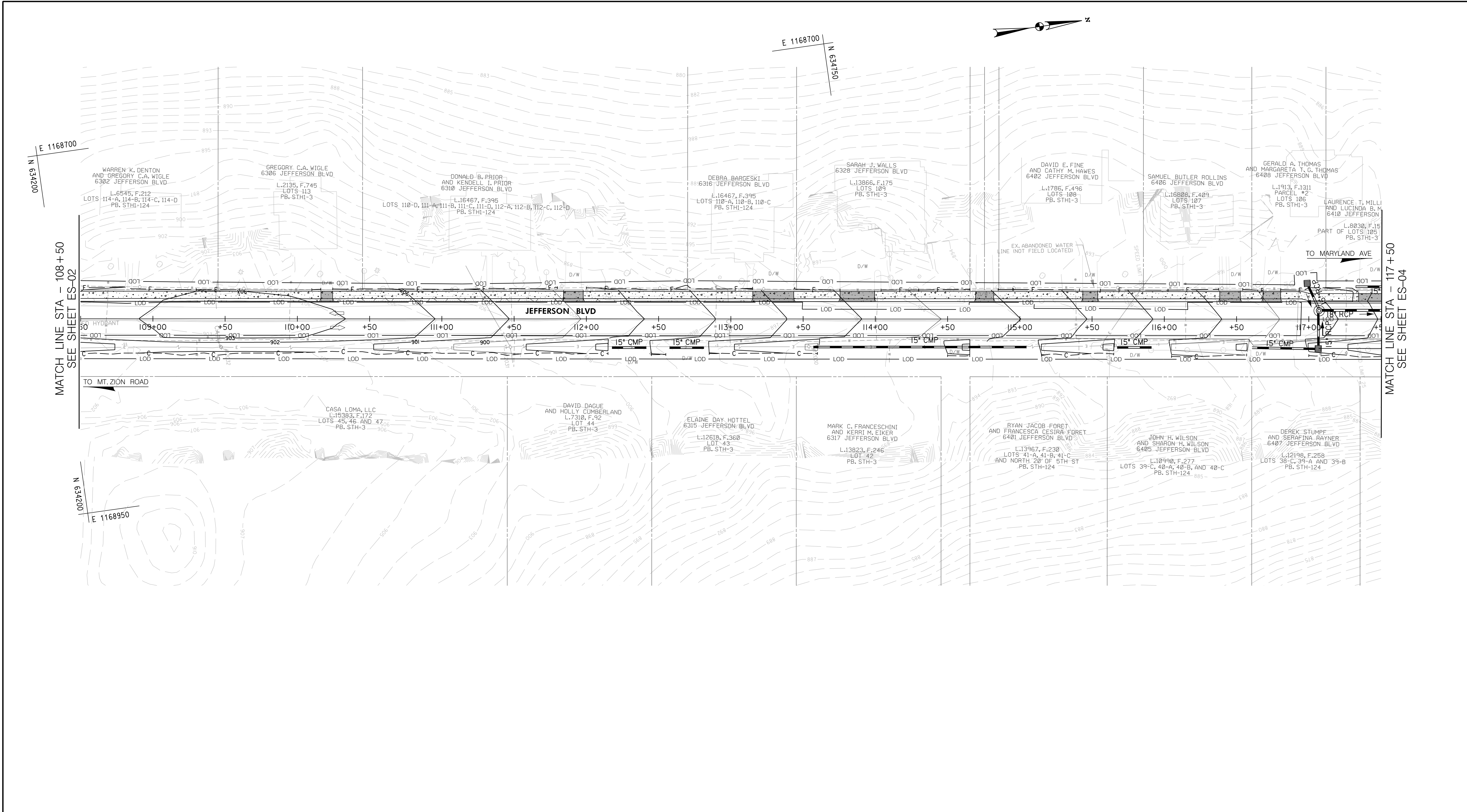
BRADDOCK HEIGHTS IMPROVEMENT PROJECT EROSION AND SEDIMENT CONTROL PLAN

DATE: May 2025

SCALE: 1" = 30'

FREDERICK COUNTY PROJECT NO.: 21-337

DWG. 28 OF 50



ES-02

FREDERICK COUNTY, MARYLAND
DIVISION OF PUBLIC WORKS
DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGMENT
OFFICE OF TRANSPORTATION ENGINEERING
FREDERICK COUNTY, MARYLAND

**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT
EROSION AND SEDIMENT
CONTROL PLAN**

DATE: May 2025

SCALE: 1' = 30'

FREDERICK COUNTY PROJECT NO.: 21-337

DWG. 29 OF 50

CERTIFICATION OF THE DISTURBED AREA QUANTITY

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ENGINEER'S SIGNATURE

P.E. NO.

PRINT NAME

DATE

Fredrick County Soil Conservation District
Erosion and Sediment Control Plan Approval

By: _____
District Manager or Designee

Date: _____
Plan is valid for 2 years from date of approval

SCD approval for sediment and erosion control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.

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ENGINEER'S SIGNATURE

P.E. NO.

PRINT NAME

DATE

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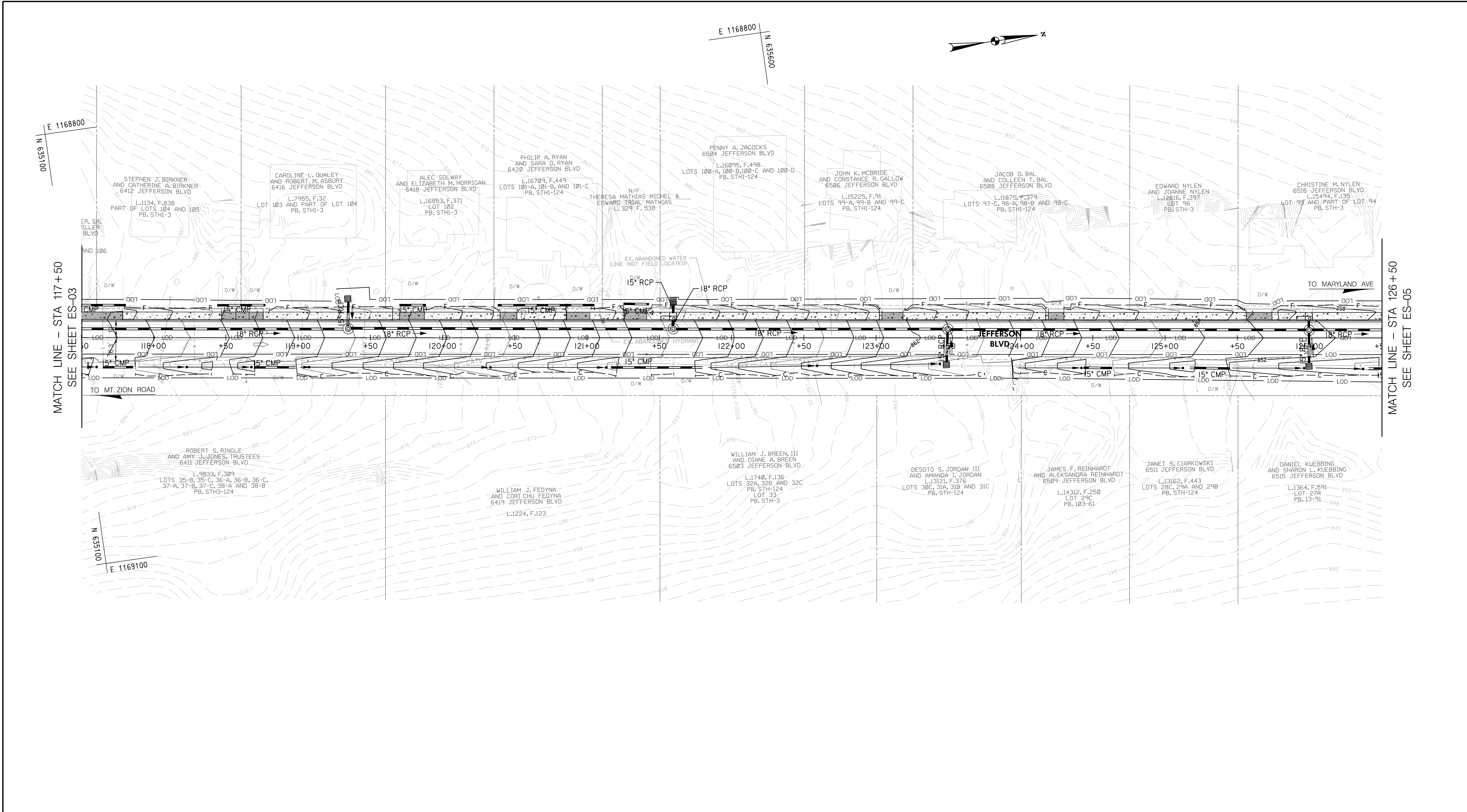
Greenman-Pedersen, Inc.
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Columbia, MD 21044
Tel: 410.880.3055

www.gpinet.com

30'0'30'60'

SCALE: 1" = 30'

PLOTTED: 5/29/2025
FILE: N:\2021\2021058.00 Frederick County On Call\2021058.02 Braddock Heights Sidewalk\CADD\pES-P002_BraddockHeights.dgn



ES-03

FREDERICK COUNTY, MARYLAND
DIVISION OF PUBLIC WORKS
DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGMENT
OFFICE OF TRANSPORTATION ENGINEERING
FREDERICK COUNTY, MARYLAND

**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT
EROSION AND SEDIMENT
CONTROL PLAN**

DATE: May 2025

SCALE: 1' = 30'

FREDERICK COUNTY PROJECT NO.: 21-337

DWG. 30 OF 50

CERTIFICATION OF THE DISTURBED AREA QUANTITY

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ENGINEER'S SIGNATURE

P.E. NO.

PRINT NAME

DATE

Fredrick County Soil Conservation District
Erosion and Sediment Control Plan Approval

By: _____
District Manager or Designee

Date: _____
Plan is valid for 2 years from date of approval

SCD approval for sediment and erosion control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.

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ENGINEER'S SIGNATURE

P.E. NO.

PRINT NAME

DATE

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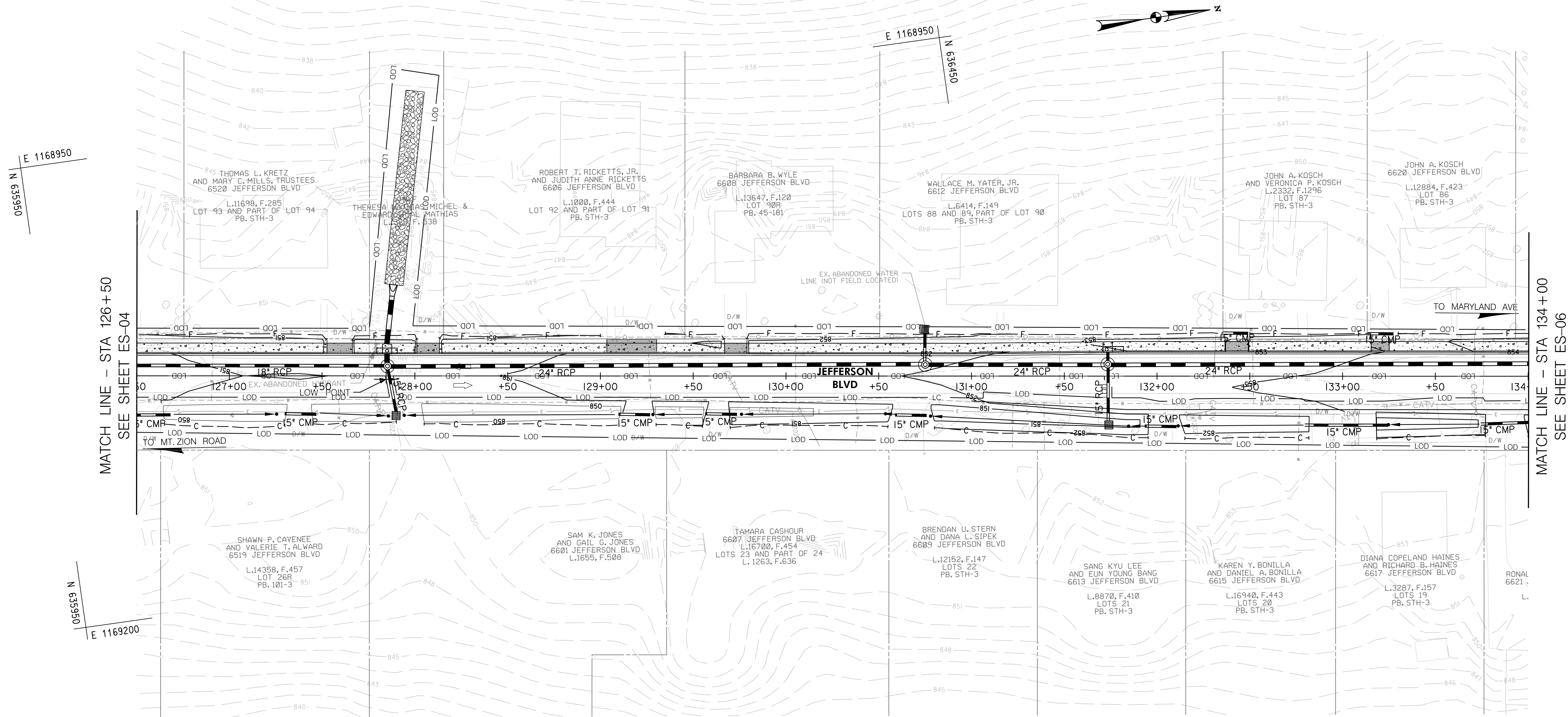
Greenman-Pedersen, Inc.
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Columbia, MD 21044
Tel: 410.880.3055

www.gpinet.com

30' 0 30' 60'

SCALE: 1" = 30'

PLOTTED: 5/20/2025
FILE: N:\2021\2021058.00_Fredrick County On Call\2021058.02_Braddock Heights Sidewalk\CADD\pES-003_BraddockHeights.dgn



ES-04

FREDERICK COUNTY, MARYLAND
DIVISION OF PUBLIC WORKS
DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGEMENT
OFFICE OF TRANSPORTATION ENGINEERING
FREDERICK COUNTY, MARYLAND

**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT
EROSION AND SEDIMENT
CONTROL PLAN**

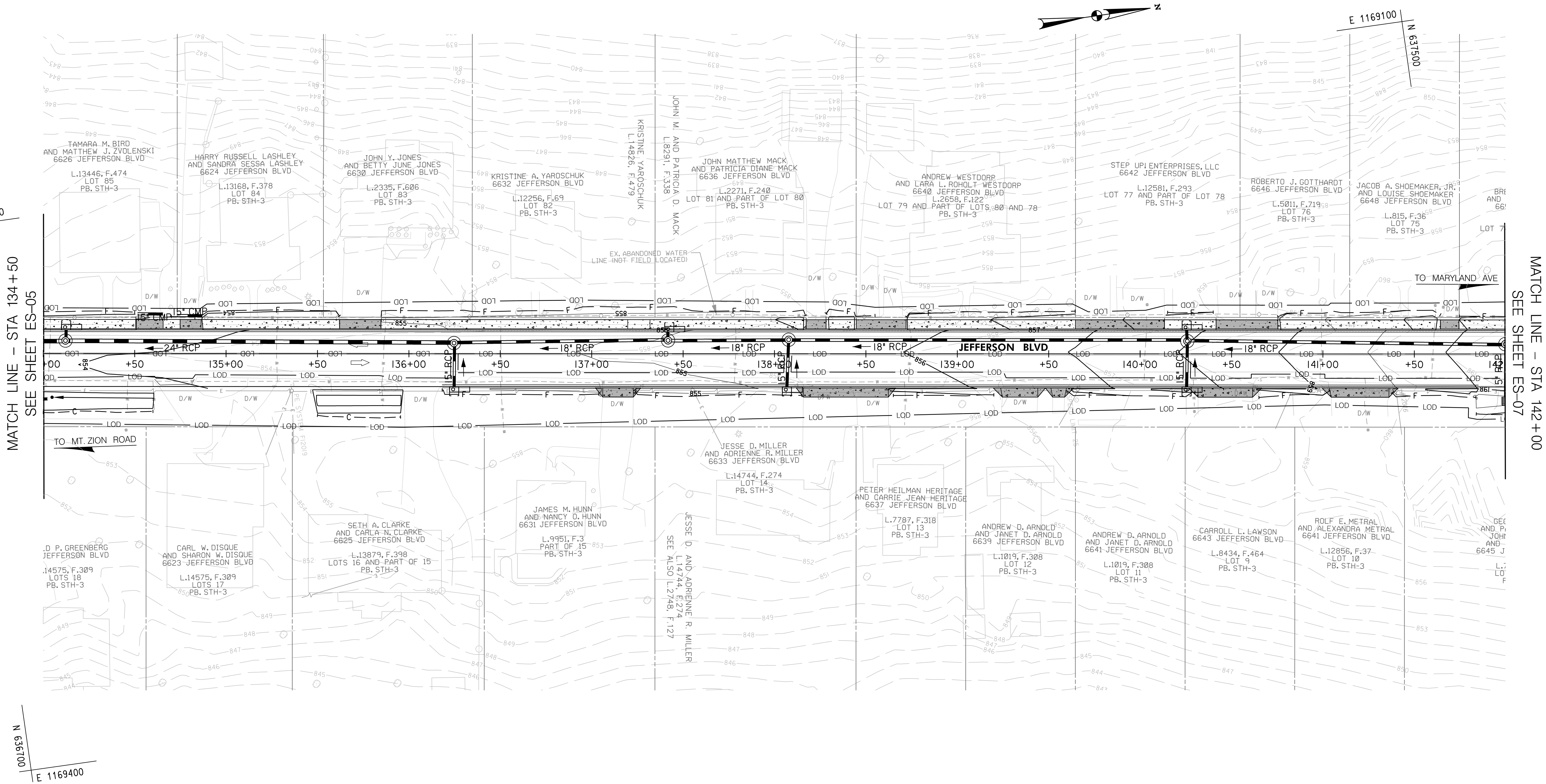
DATE: May 2025 SCALE: 1' = 30'
FREDERICK COUNTY PROJECT NO.: 21-337 DWG. 31 OF 50

CERTIFICATION OF THE DISTURBED AREA QUANTITY	
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PRINT NAME	DATE

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PRINT NAME	DATE

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DIVISION OF PUBLIC WORKS
DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGEMENT
OFFICE OF TRANSPORTATION ENGINEERING
FREDERICK COUNTY, MARYLAND

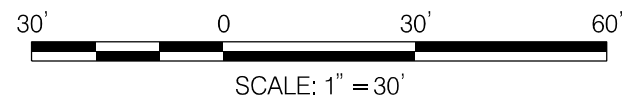
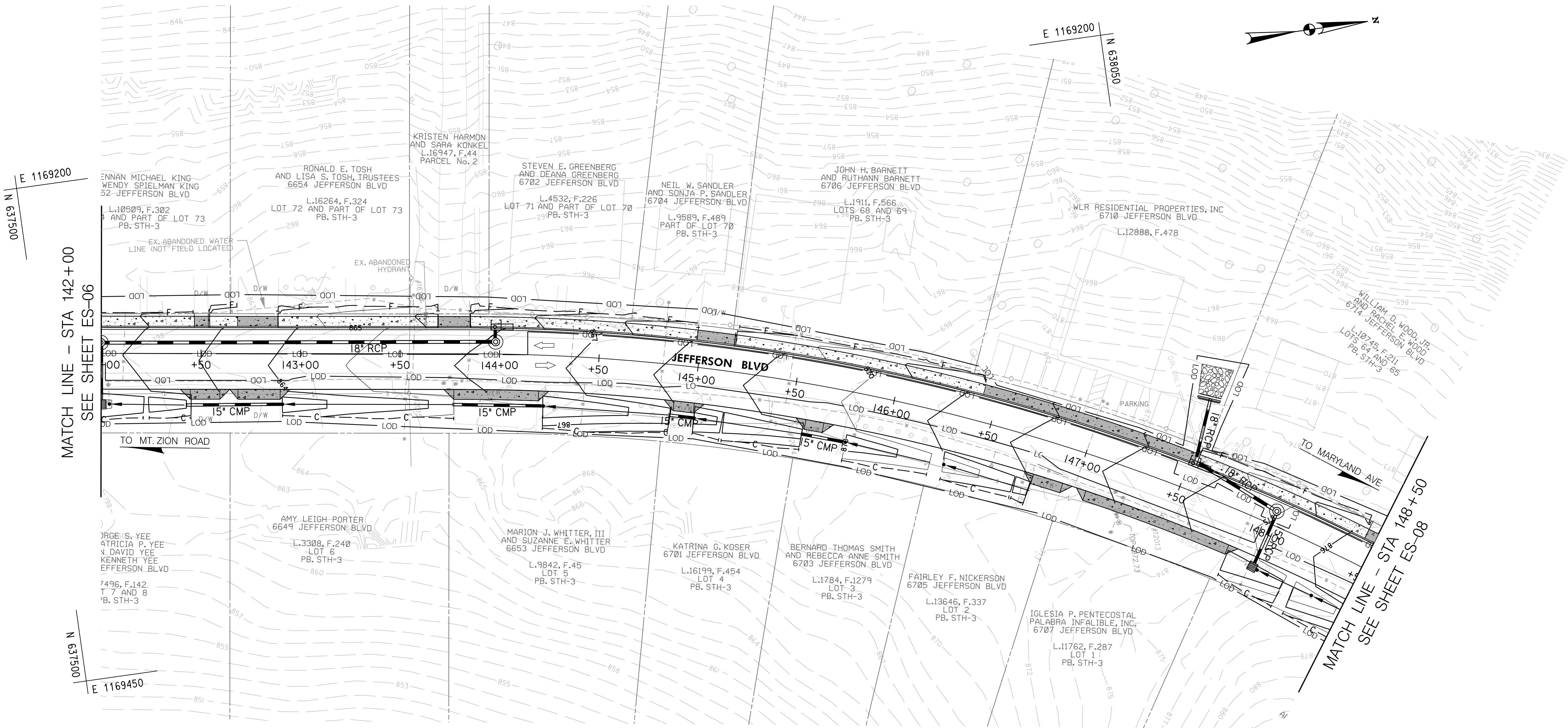
**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT
EROSION AND SEDIMENT
CONTROL PLAN**

DATE: May 2025

FREDERICK COUNTY PROJECT NO.: 21-337

SCALE: 1" = 30'

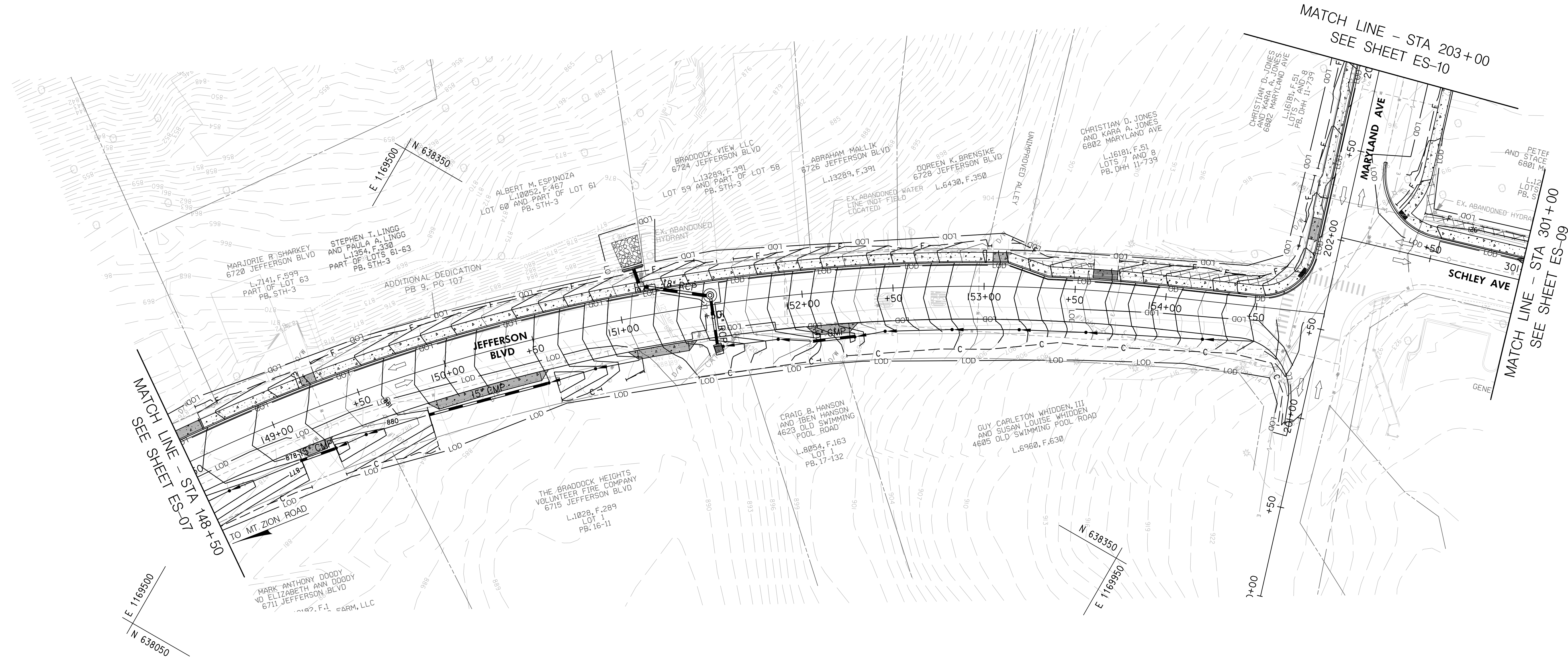
DWG. 32 OF 50



CERTIFICATION OF THE DISTURBED AREA QUANTITY I hereby certify that the estimated total amount of area to be disturbed shown on these plans has been computed to _____ c.y. of excavation, _____ c.y. of fill and the total area to be disturbed as shown on these plans has been determined to be _____ square feet, or _____ acres. _____ ENGINEER'S SIGNATURE _____ PRINT NAME _____ P.E. NO. _____ DATE	Frederick County Soil Conservation District Erosion and Sediment Control Plan Approval By: _____ District Manager or Designee Date: _____ Plan is valid for 2 years from date of approval SCD approval for sediment and erosion control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.	ENGINEER'S DESIGN CERTIFICATION: I hereby certify this plan has been designed in accordance with local ordinances, COMAR 26.17.01, and 2011 Maryland Standards and Specification for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits. If applicable, this plan is also designed in accordance with the requirements contained within USDA, NRCS "Standards and Specifications for Ponds MD-378" and the policies and procedures of the Maryland Department of the Environment Dam Safety program. _____ ENGINEER'S SIGNATURE _____ PRINT NAME _____ P.E. NO. _____ DATE
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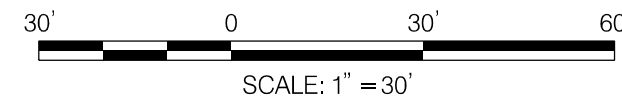
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Tel: 410.880.3055

FREDERICK COUNTY, MARYLAND DIVISION OF PUBLIC WORKS DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGMENT OFFICE OF TRANSPORTATION ENGINEERING FREDERICK COUNTY, MARYLAND		
BRADDOCK HEIGHTS IMPROVEMENT PROJECT EROSION AND SEDIMENT CONTROL PLAN		
DATE: May 2025	SCALE: 1' = 30'	
FREDERICK COUNTY PROJECT NO.: 21-337	DWG. 33	OF 50



E 1169500
N 638050

N 638350
E 1169500



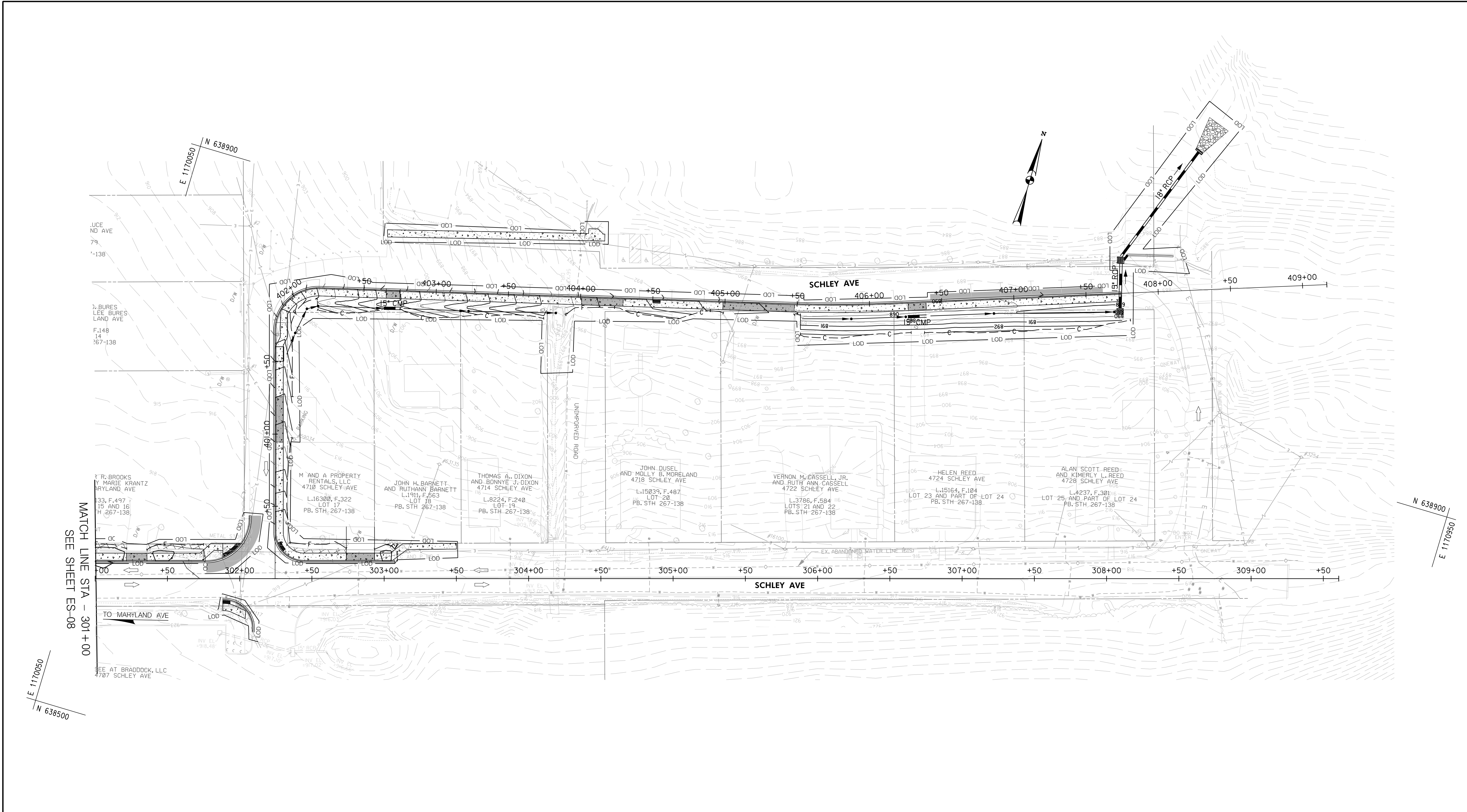
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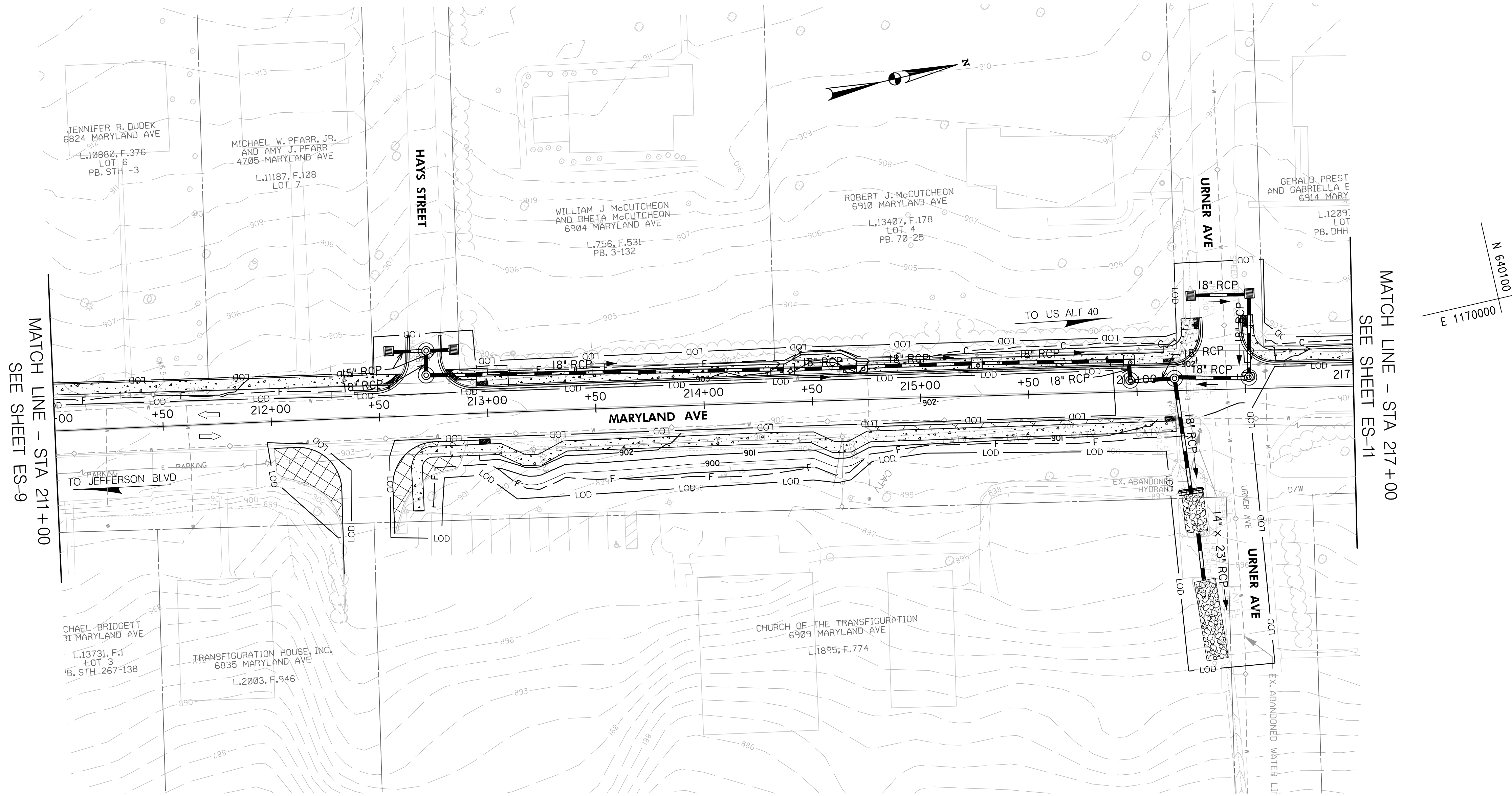
ENGINEER'S DESIGN CERTIFICATION:	
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_____ PRINT NAME	_____ DATE

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FREDERICK COUNTY, MARYLAND DIVISION OF PUBLIC WORKS DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGEMENT OFFICE OF TRANSPORTATION ENGINEERING FREDERICK COUNTY, MARYLAND	
BRADDOCK HEIGHTS IMPROVEMENT PROJECT EROSION AND SEDIMENT CONTROL PLAN	
DATE: May 2025	SCALE: 1" = 30'
FREDERICK COUNTY PROJECT NO.: 21-337	DWG. 34 OF 50



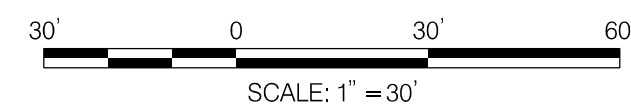
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ENGINEER'S SIGNATURE	P.E. NO.												
PRINT NAME	DATE												
ENGINEER'S SIGNATURE	P.E. NO.												
PRINT NAME	DATE												



E 1169800
N 633350

N 633350
E 1170000

N 640100
E 1170000



ES-10

CERTIFICATION OF THE DISTURBED AREA QUANTITY	
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ENGINEER'S SIGNATURE _____	P.E. NO. _____
PRINT NAME _____	DATE _____

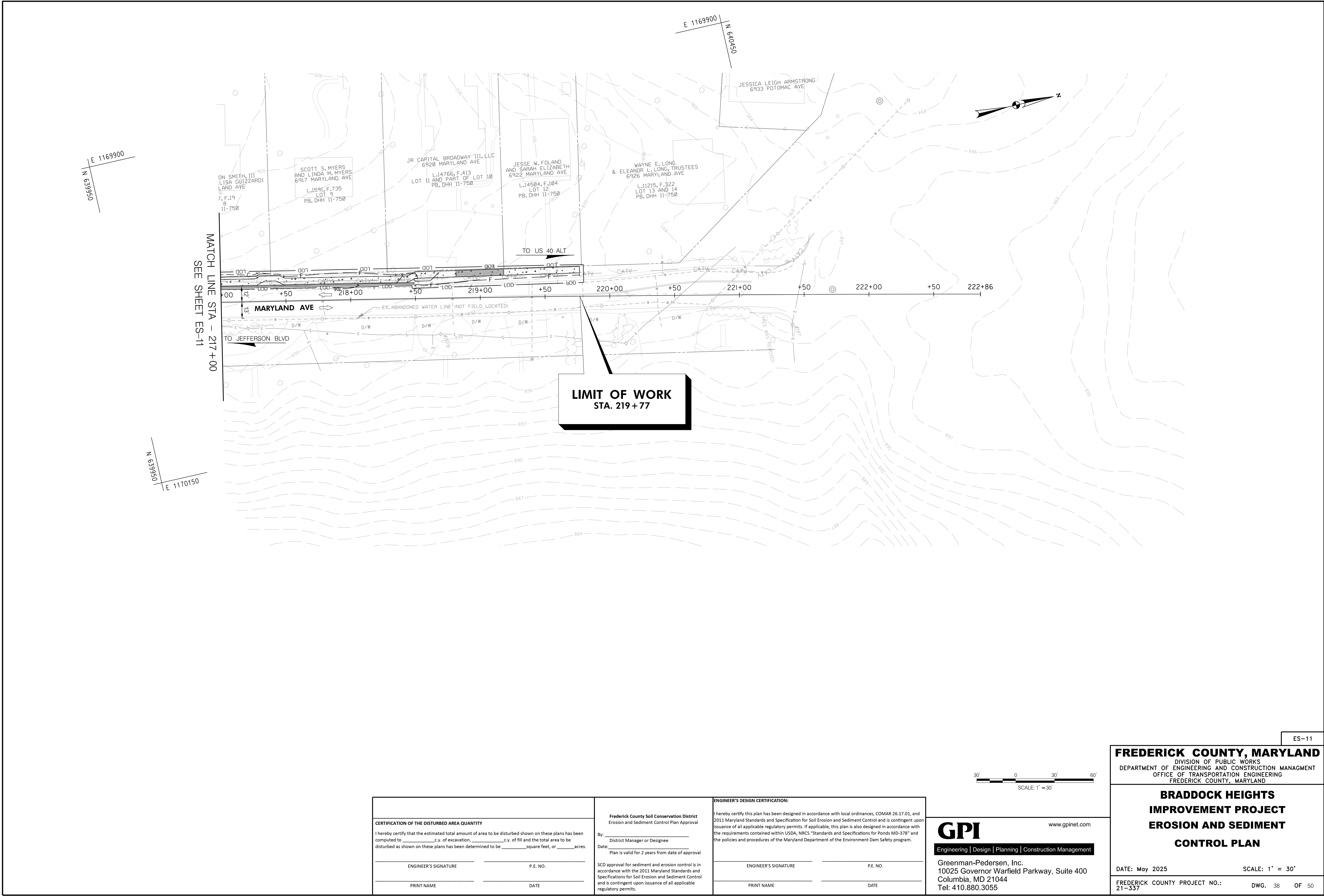
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OFFICE OF TRANSPORTATION ENGINEERING
FREDERICK COUNTY, MARYLAND

**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT
EROSION AND SEDIMENT
CONTROL PLAN**

DATE: May 2025 SCALE: 1' = 30'

FREDERICK COUNTY PROJECT NO.: 21-337 DWG. 37 OF 50



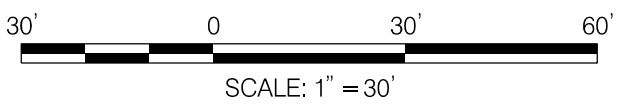
PLOTTED: 5/20/2025
FILE: N:\2021\2021058.00 Frederick County On Call\2021058.02 Braddock Heights Skewak\CADD\pES-P011_BraddockHeights.dgn

ES-11

FREDERICK COUNTY, MARYLAND
DIVISION OF PUBLIC WORKS
DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGMENT
OFFICE OF TRANSPORTATION ENGINEERING
FREDERICK COUNTY, MARYLAND

**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT
EROSION AND SEDIMENT
CONTROL PLAN**

DATE: May 2025 SCALE: 1' = 30'
FREDERICK COUNTY PROJECT NO.: 21-337 DWG. 38 OF 50



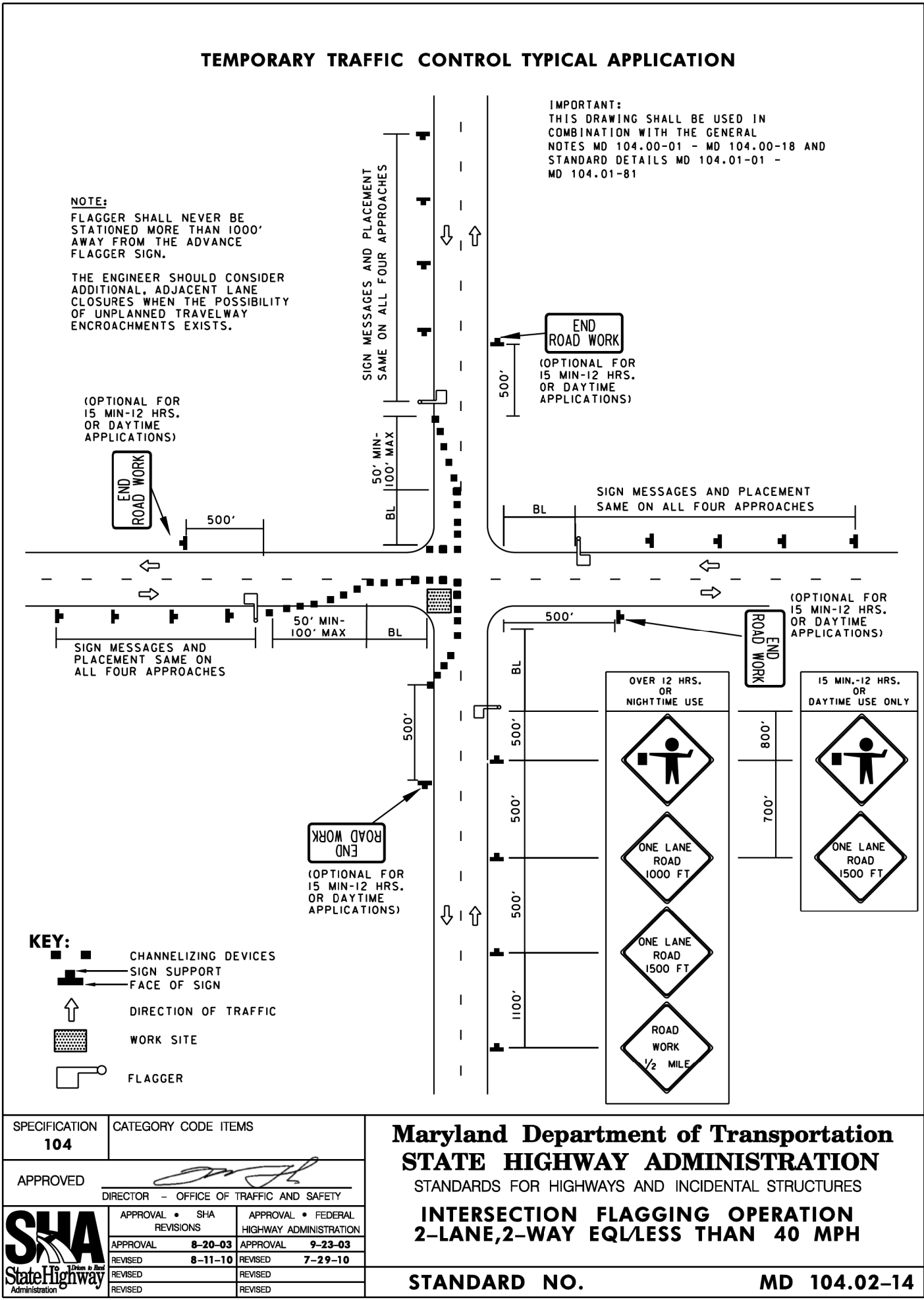
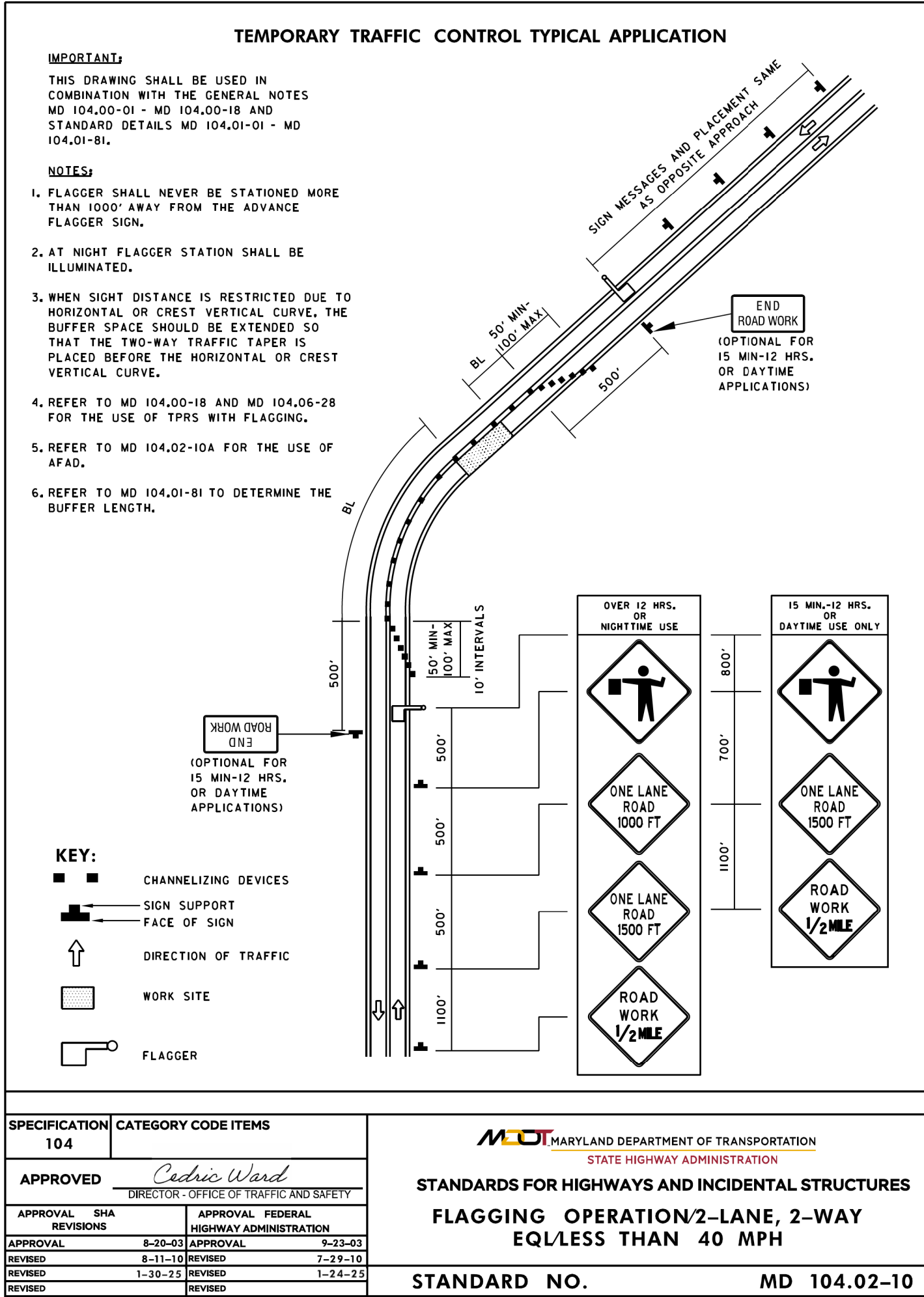
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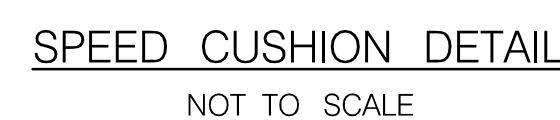
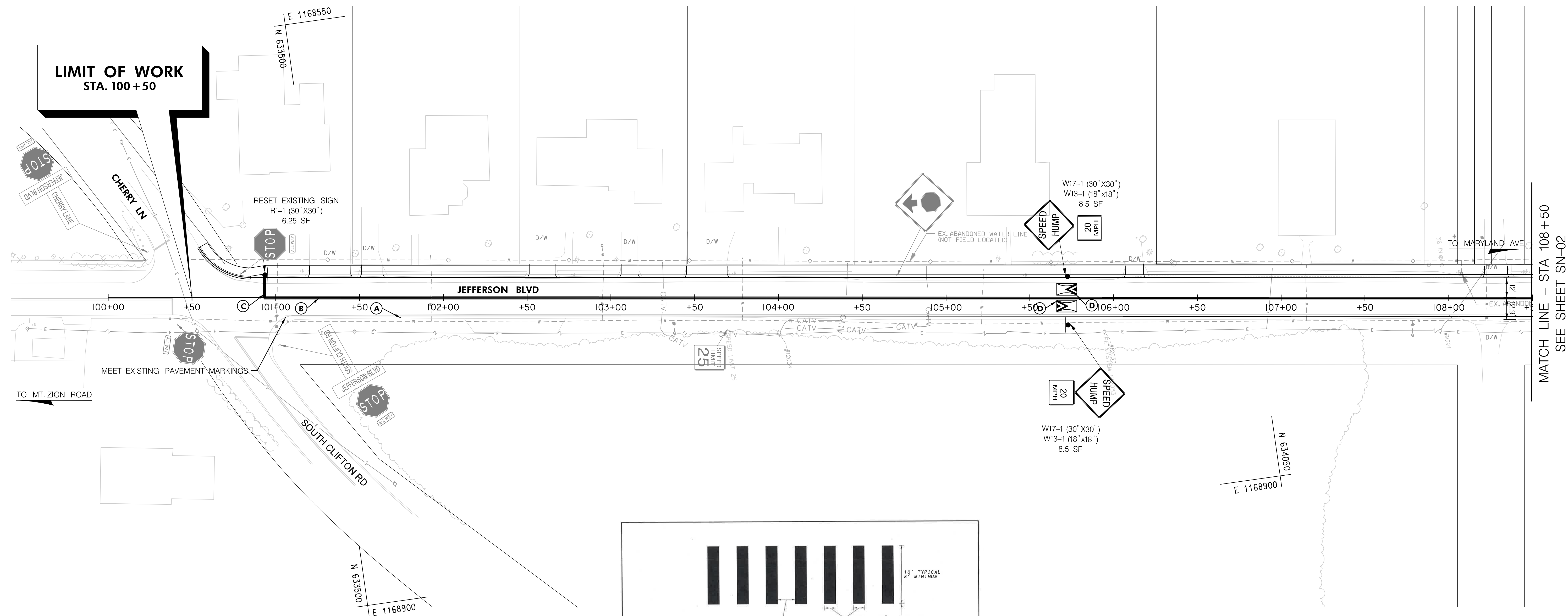
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Greenman-Pedersen, Inc.
10025 Governor Warfield Parkway, Suite 400
Columbia, MD 21044
Tel: 410.880.3055

TRAFFIC CONTROL GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GENERAL NOTES AND STANDARDS PROVIDED IN CATEGORY "1" OF THE SHA BOOK OF STANDARDS, THE MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MD MUTCD) AND SUBSEQUENT REVISIONS ADOPTED BY THE STATE OF MARYLAND, AND THESE PLANS.
- NO WORK IS TO BEGIN UNTIL ALL ADVANCE WARNING SIGNS, DRUMS AND TEMPORARY PAVEMENT MARKINGS ARE IN PLACE AND OPERATIONAL.
- THE CONTRACTOR SHALL COORDINATE TEMPORARY TRAFFIC CONTROL WITH ADJACENT PROJECTS AS NECESSARY.
- THE CONTRACTOR SHALL NOTIFY ALL TRANSIT AGENCIES WITH ROUTES IMPACTED BY MOT OPERATIONS AND PROVIDE ANTICIPATED IMPACT DURATION PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL MAINTAIN ANY TEMPORARY BUS STOPS.
- WHERE MOT SETUPS ARE PERMITTED DURING PEAK HOURS, THE MOT SETUPS ARE TO REMAIN INSTALLED FOR THE DURATION OF THE CONSTRUCTION PHASE, REGARDLESS OF THE TIME OF DAY. WHERE WORK IS TO BE COMPLETED DURING OFF-PEAK HOURS, WORK HOURS SHALL BE AS NOTED IN SPECIAL PROVISIONS BOOK.
- THE CONTRACTOR SHALL REFER TO THE CONTRACT DOCUMENTS FOR APPLICABLE WORKING HOURS AND LANE CLOSURE SCHEDULES.
- EXCAVATIONS SHALL BE BACKFILLED WITH GRADED AGGREGATE BASE PRIOR TO THE END OF THE WORK DAY IN CONFORMANCE WITH STD NO. MD 104.01-28.
- FOR OFF-PEAK HOUR WORK ZONES, TYPICAL APPLICATIONS FROM CATEGORY 1 OF THE SHA BOOK OF STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES IN ADDITION TO THOSE CITED ON THESE PLANS MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER. TYPICAL APPLICATIONS TO BE USED FOR OFF-PEAK HOUR WORK MAY BE MODIFIED AS REQUIRED BASED ON FIELD CONDITIONS, AS DIRECTED BY THE ENGINEER.
- WHEN WORK INVOLVES A PAVEMENT EDGE DROP-OFF, REFER TO STANDARD NO. MD 104.06-15 TO MD 104.06-19.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL TRAFFIC CONTROL DEVICES. IF AT ANY TIME THE CONTRACTOR DOES NOT MAKE THE NECESSARY REPAIRS WITHIN 24 HOURS OF NOTIFICATION, APPROPRIATE WORK TIME REDUCTION AND/OR FINES MAY BE APPLIED.
- THE FIELD ENGINEER SHALL DETERMINE THE EXACT PLACEMENT OF THE TYPE III BARRICADES.
- FREDERICK COUNTY RESERVES THE RIGHT TO MODIFY OR ADJUST THIS PLAN TO FIT SITE CONDITIONS AT ANY TIME.
- ALL BARRICADES, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE 2011 MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MD MUTCD) AND MARYLAND EDITION OF THE BOOKLET OF STANDARD HIGHWAY SIGNS.
- ALL TEMPORARY TRAFFIC SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE SHA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 104.08 AND NCHRP 350.
- ANY CORRECTIONS, MODIFICATIONS, OR ADDITIONS TO THIS PLAN MUST BE APPROVED BY THE ENGINEER.
- MISS UTILITY MUST BE NOTIFIED PRIOR TO PLACEMENT OF SIGNING.
- ALL SIGNS SHALL CONFORM TO CURRENT SHA MATERIAL AND REFLECTIVITY REQUIREMENTS.
- THE TEMPORARY TRAFFIC CONTROL SIGNS THAT ARE INSTALLED SHALL REMAIN IN PLACE THROUGHOUT THE DURATION OF THAT PHASE OF CONSTRUCTION UNLESS STATED OTHERWISE OR DIRECTED BY THE ENGINEER.
- LONGITUDINAL DISTANCES OF ALL ADVANCED WARNING SIGNS MAY BE ADJUSTED DUE TO INTERSECTING STREETS, DRIVEWAYS, AND/OR FIELD CONDITIONS AS APPROVED BY THE ENGINEER. WHERE ADVANCE SIGNING CONFLICTS WITH TEMPORARY SIGNING FOR LANE CLOSURES, LANE SHIFTS, OR FLAGGING OPERATIONS, ADJUSTMENTS TO ADVANCE SIGNING SHALL BE MADE PER THE ENGINEER TO AVOID CONFUSING AND/OR CONFLICTING MESSAGES.
- ADVANCED WARNING SIGNS SHALL BE INSTALLED AT A MINIMUM SPACING OF 200 FEET TO AN EXISTING SIGN, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE REMOVAL OF TEMPORARY REGULATORY SIGNING SHALL BE INCIDENTAL TO MAINTENANCE OF TRAFFIC.
- ALL TEMPORARY SIGNS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT EXISTING TRAFFIC CONTROL DEVICES.
- SIGNS USED FOR TEMPORARY TRAFFIC CONTROL THAT ARE NOT APPLICABLE FOR A PARTICULAR CONSTRUCTION PHASE SHALL BE REMOVED OR COMPLETELY COVERED WITH A NON-TRANSPARENT MATERIAL.
- ARROW PANELS SHALL BE USED AS DIRECTED BY THE CONSTRUCTION PROJECT ENGINEER.
- EXISTING SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC PATTERNS SHALL BE REMOVED OR COVERED. PERMANENT SIGNS THAT ARE REMOVED (OR COVERED) DURING CONSTRUCTION SHALL BE REINSTALLED PRIOR TO RETURNING THE ROAD TO PRE-CONSTRUCTION TRAFFIC PATTERNS.
- PERMANENT MARKINGS DAMAGED SHALL BE REPAIRED AT THE DISCRETION OF THE ENGINEER.
- CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION PER STD. MD 104.06-09A AND MD 104.06-09C.





SYMBOL LEGEND		PAVEMENT MARKING LEGEND	
	EXISTING SIGN AND POST	 (A)	5 INCH WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID
	PROPOSED SIGN AND POST	 (B)	5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKING - SOLID
	PROPOSED TRAFFIC SIGN	 (C)	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING - SOLID
	EXISTING TRAFFIC SIGN TO REMAIN	 (D)	12 INCH WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID
	EXISTING TRAFFIC SIGN TO BE REMOVED	 (E)	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
	SIGN IDENTIFICATION NUMBER (SEE SN-11)		

SPECIFICATION	CATEGORY CODE ITEMS	 MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES CROSSWALK DETAILS TYPICAL NO. TYP 550.02
APPROVED	 DIRECTOR, OFFICE OF TRAFFIC AND SAFETY	
SHELF TYPICAL		

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OFFICE OF TRANSPORTATION ENGINEERING
FREDERICK COUNTY, MARYLAND

BRADDOCK HEIGHTS IMPROVEMENT PROJECT

SIGNING AND MARKING PLAN

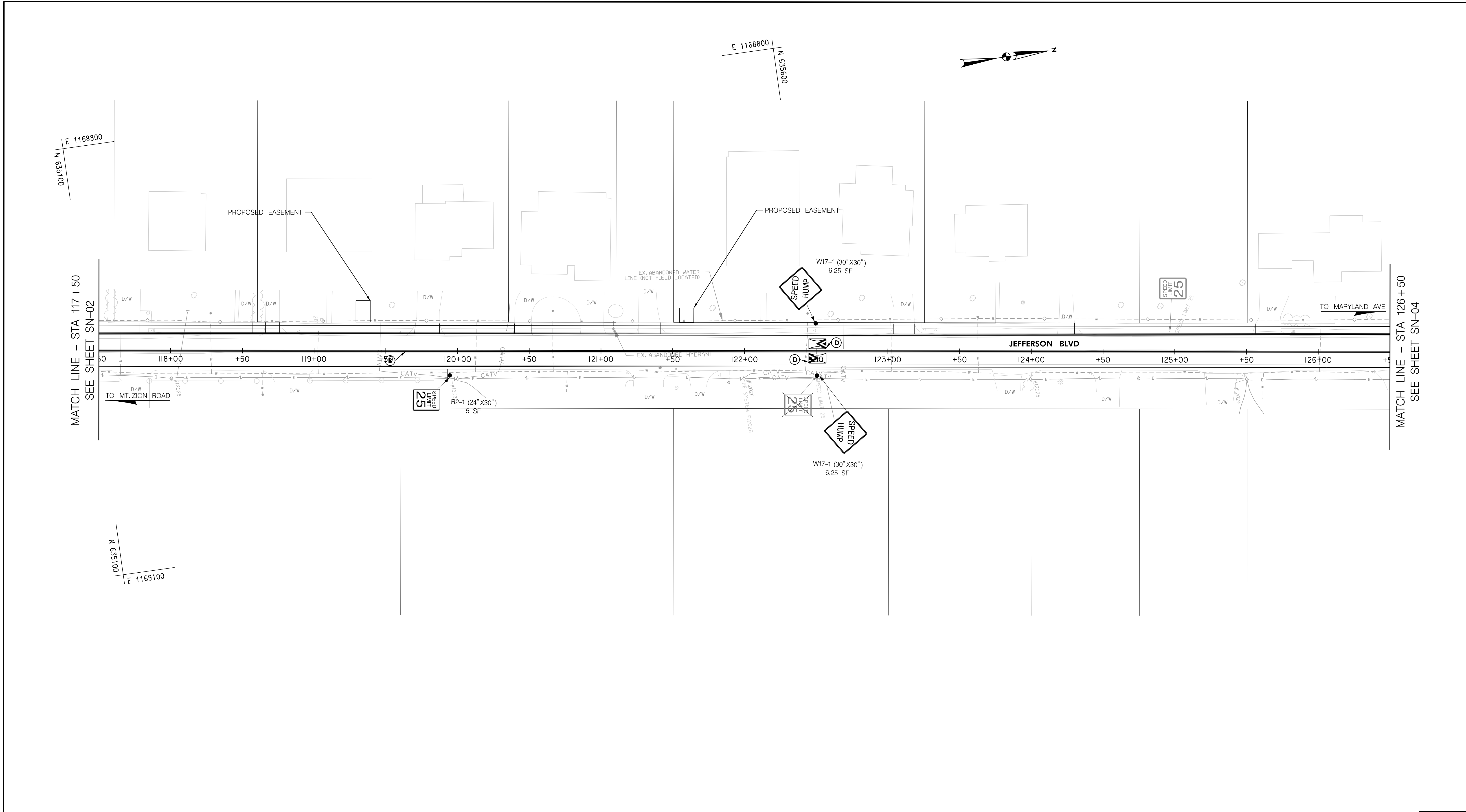
DATE: May 2025	SCALE: 1' = 30'
FREDERICK COUNTY PROJECT NO.: XX-XXX	DWG. 40 OF 50



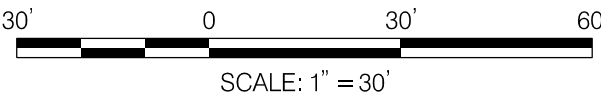
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FILE: N:\2021\2021058.00 Frederick County On Call\2021058.02 Braddock Heights Sidewalk\CADD\pSN-2002 BraddockHeights.dgn



		SN-02
FREDERICK COUNTY, MARYLAND DIVISION OF PUBLIC WORKS DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGEMENT OFFICE OF TRANSPORTATION ENGINEERING FREDERICK COUNTY, MARYLAND		
BRADDOCK HEIGHTS IMPROVEMENT PROJECT		
SIGNING AND MARKING PLAN		
DATE: May 2025	SCALE: 1' = 30'	
FREDERICK COUNTY PROJECT NO.: XX-XXX	DWG. 41	OF 50



SYMBOL LEGEND	PAVEMENT MARKING LEGEND
EXISTING SIGN AND POST	(A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID
PROPOSED SIGN AND POST	(B) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKING - SOLID
PROPOSED TRAFFIC SIGN	(C) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING - SOLID
EXISTING TRAFFIC SIGN TO REMAIN	(D) 12 INCH WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID
EXISTING TRAFFIC SIGN TO BE REMOVED	(E) WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
SIGN IDENTIFICATION NUMBER (SEE SN-11)	



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SN-03

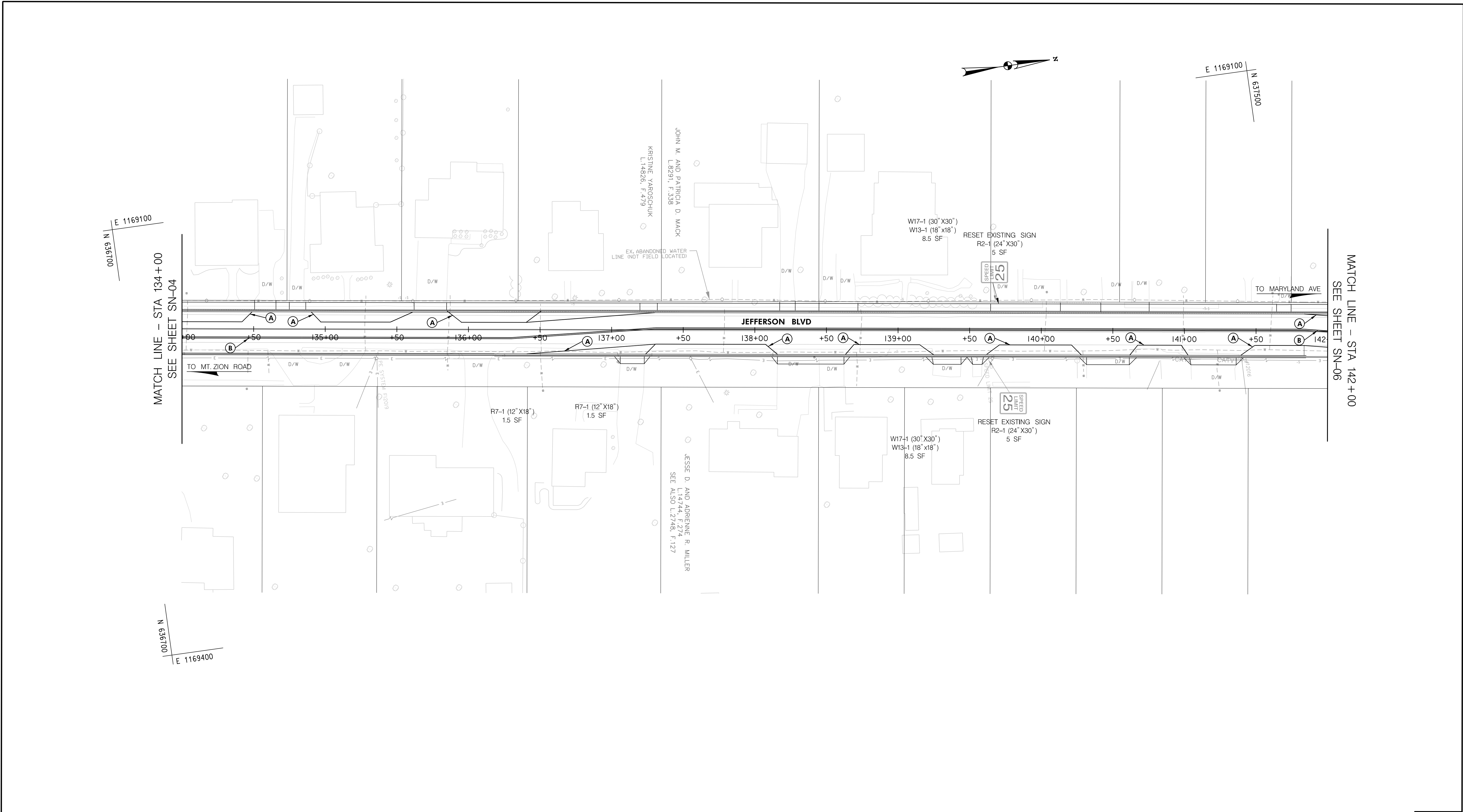
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FREDERICK COUNTY, MARYLAND

**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

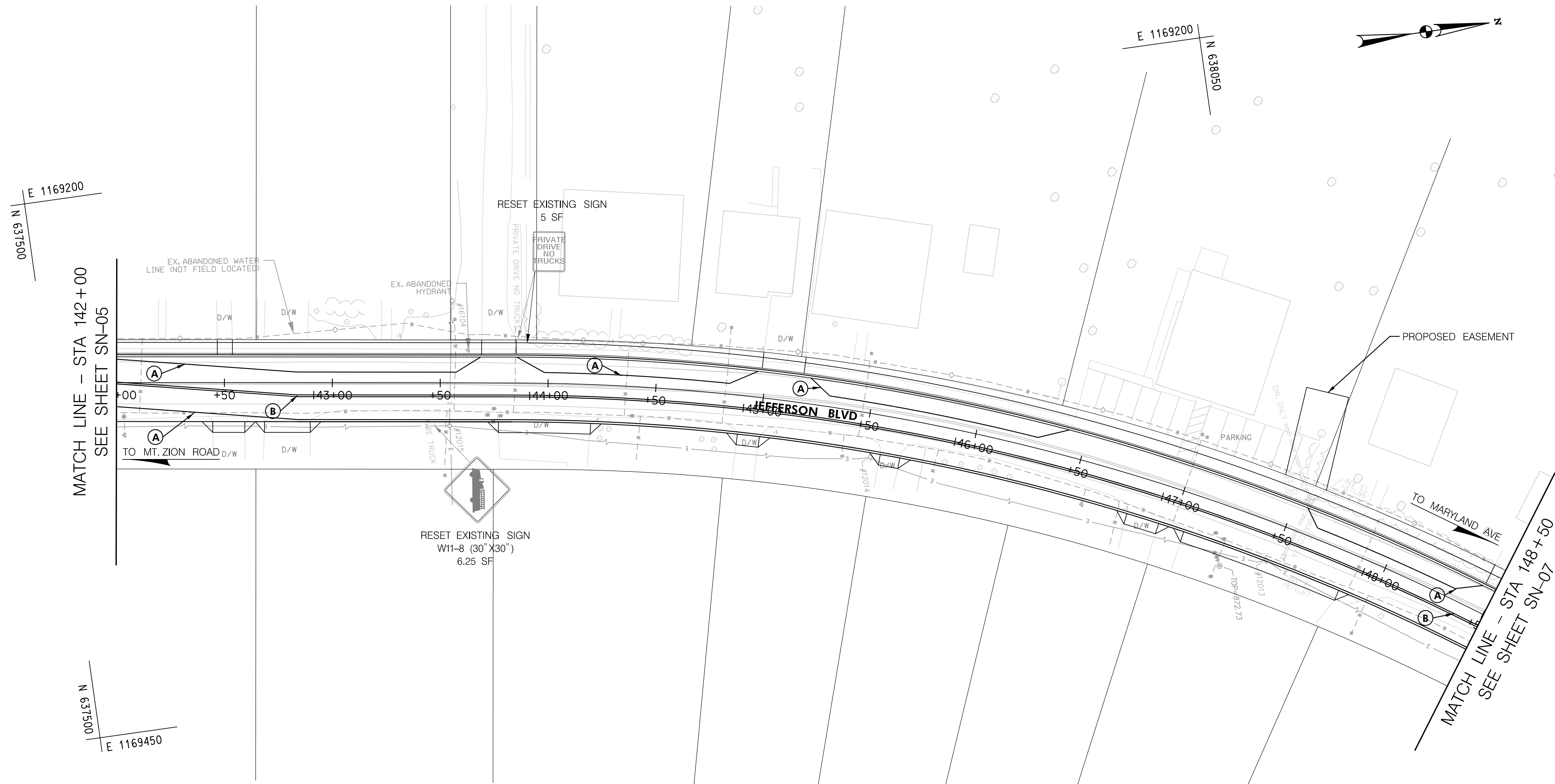
SIGNING AND MARKING PLAN

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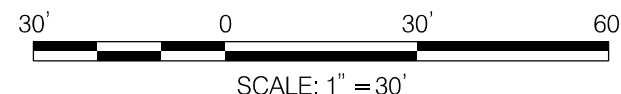
FREDERICK COUNTY PROJECT NO.: XX-XXXDWG. 42 OF 50



SYMBOL LEGEND	PAVEMENT MARKING LEGEND
<	



SYMBOL LEGEND	PAVEMENT MARKING LEGEND
EXISTING SIGN AND POST	(A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID
PROPOSED SIGN AND POST	(B) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKING - SOLID
PROPOSED TRAFFIC SIGN	(C) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING - SOLID
EXISTING TRAFFIC SIGN TO REMAIN	(D) 12 INCH WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID
EXISTING TRAFFIC SIGN TO BE REMOVED	(E) WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
SIGN IDENTIFICATION NUMBER (SEE SN-11)	





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BRADDOCK HEIGHTS
IMPROVEMENT PROJECT

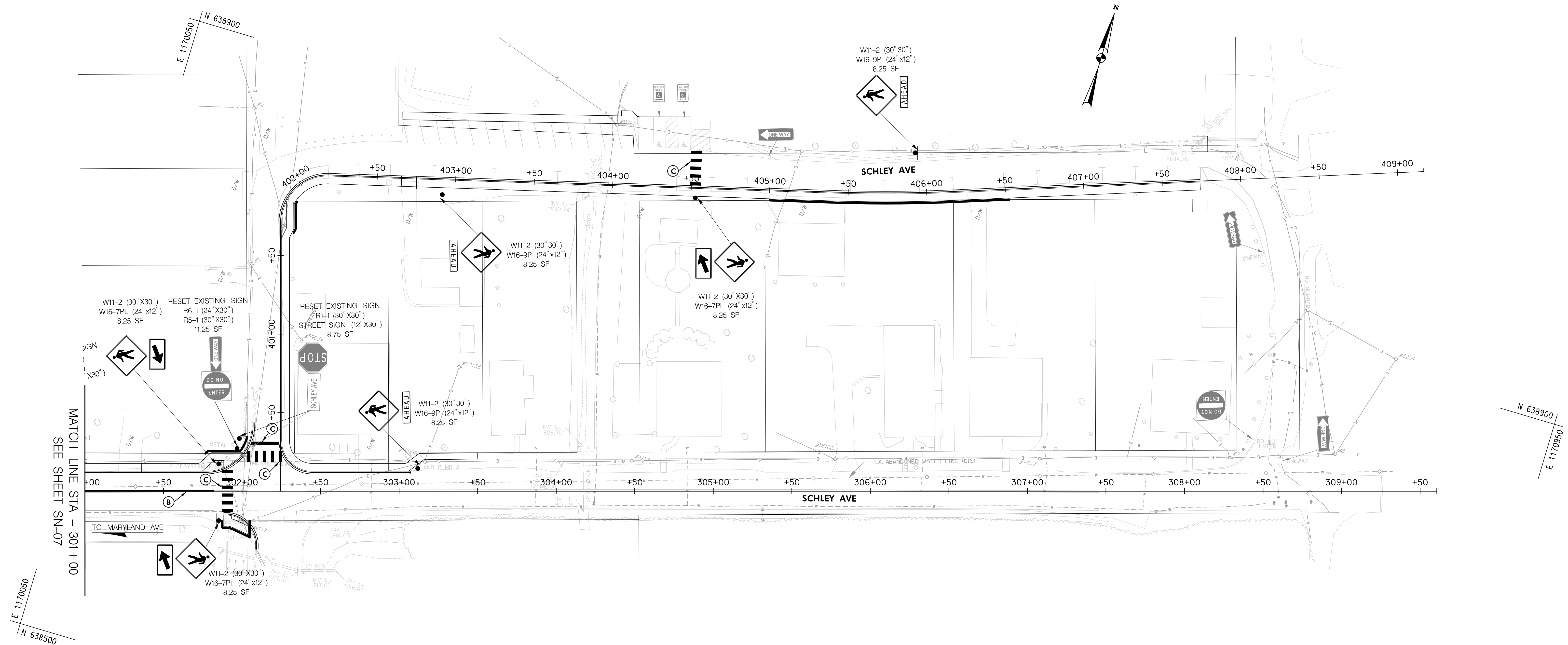
SIGNING AND MARKING PLAN

DATE: May 2025

SCALE: 1' = 30'

FREDERICK COUNTY PROJECT NO.:
XX-XXX

DWG. 45 OF 50



SYMBOL LEGEND		PAVEMENT MARKING LEGEND	
	EXISTING SIGN AND POST	 (A)	5 INCH WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID
	PROPOSED SIGN AND POST	 (B)	5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKING - SOLID
	PROPOSED TRAFFIC SIGN	 (C)	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING - SOLID
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	EXISTING TRAFFIC SIGN TO BE REMOVED	 (E)	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
	SIGN IDENTIFICATION NUMBER (SEE SN-11)		

30' 0 30' 60'

SCALE: 1" = 30'

SN-08

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BRADDOCK HEIGHTS IMPROVEMENT PROJECT

SIGNING AND MARKING PLAN

DATE: May 2025

SCALE: 1' = 30'

FREDERICK COUNTY PROJECT NO.:
XX-XXX

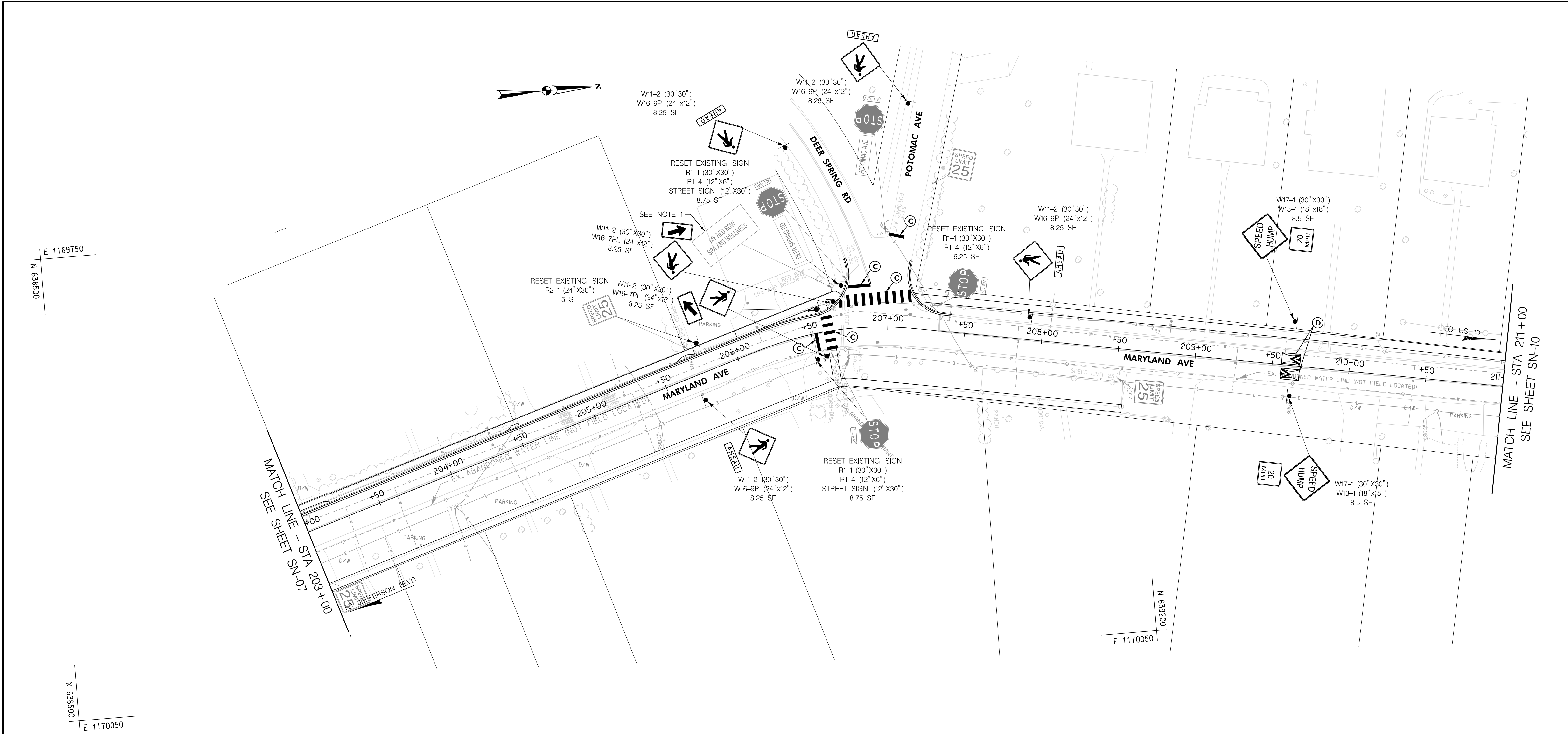
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NOTE: PRIVATE SIGN TO BE SALVAGED AND SET ASIDE DURING CONSTRUCTION AND RESET UPON PROJECT COMPLETION OR AS DIRECTED BY ENGINEER.

SYMBOL LEGEND	PAVEMENT MARKING LEGEND
EXISTING SIGN AND POST	(A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID
PROPOSED SIGN AND POST	(B) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKING - SOLID
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SN-09

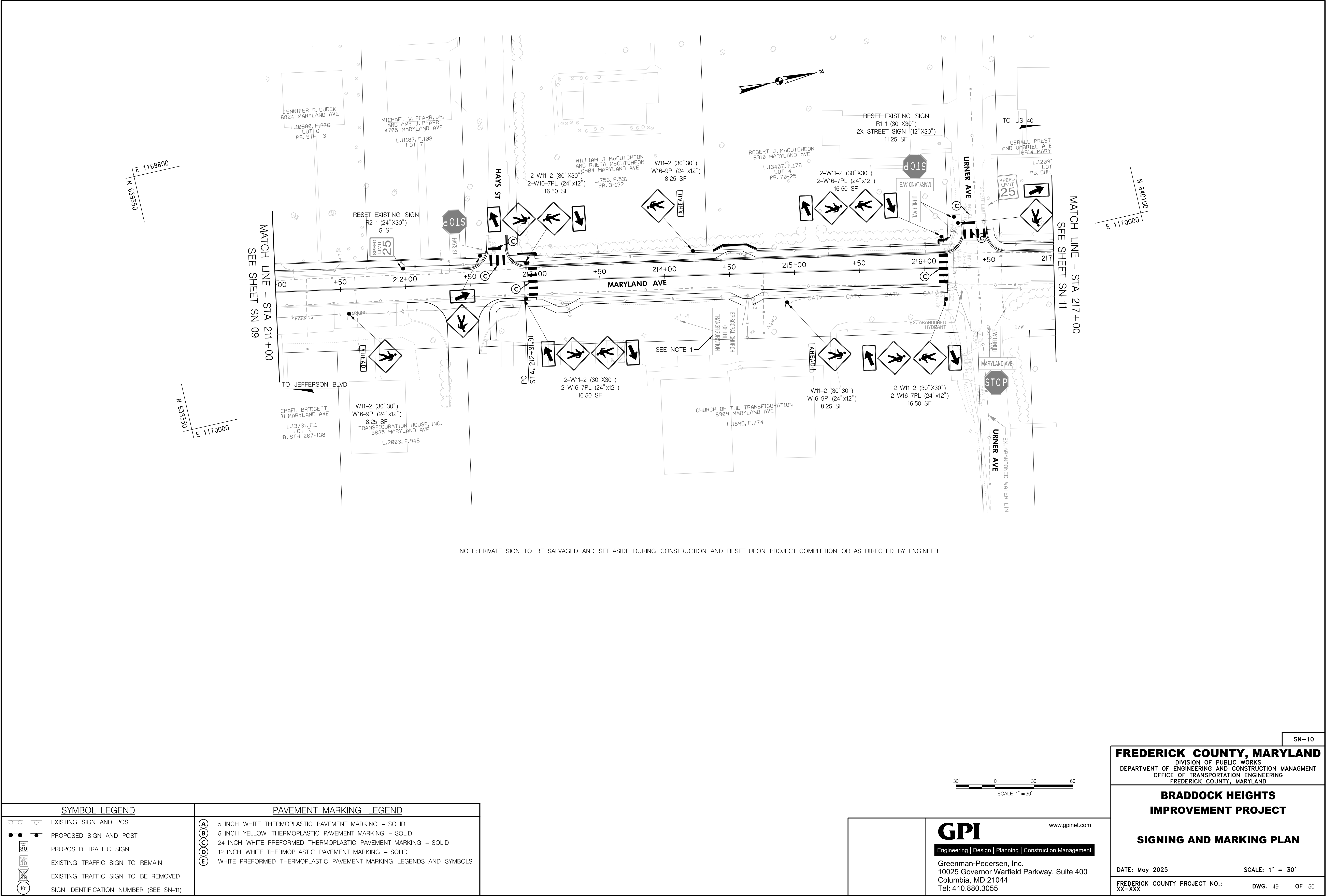
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**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

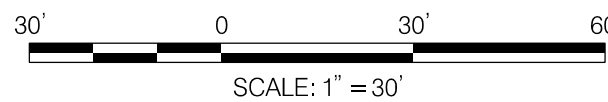
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DATE: May 2025SCALE: 1' = 30'

FREDERICK COUNTY PROJECT NO.: XX-XXXDWG. 48 OF 50



SYMBOL LEGEND		PAVEMENT MARKING LEGEND	
	EXISTING SIGN AND POST	(A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID	
	PROPOSED SIGN AND POST	(B) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKING - SOLID	
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SN-10

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**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

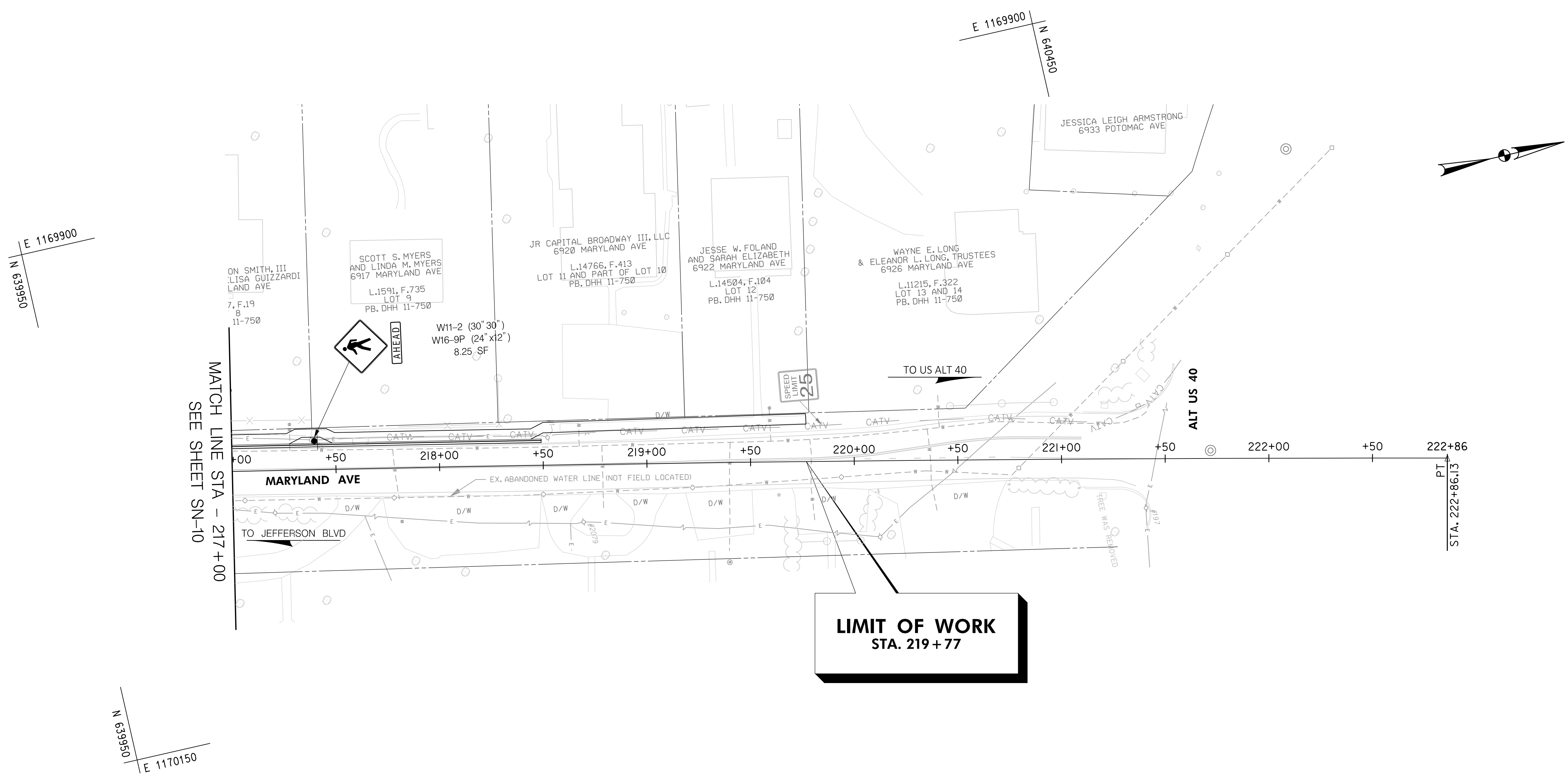
SIGNING AND MARKING PLAN

DATE: May 2025

SCALE: 1' = 30'

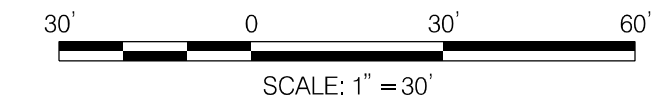
FREDERICK COUNTY PROJECT NO.: XX-XXX

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LIMIT OF WORK
STA. 219+77

SYMBOL LEGEND	PAVEMENT MARKING LEGEND
EXISTING SIGN AND POST	(A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKING - SOLID
PROPOSED SIGN AND POST	(B) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKING - SOLID
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**BRADDOCK HEIGHTS
IMPROVEMENT PROJECT**

SIGNING AND MARKING PLAN

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FREDERICK COUNTY PROJECT NO.: XX-XXXDWG. 50 OF 50