



ALBANY DIVISION
PLANS FOR
CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK
BETWEEN
I-87 AND I-90 MILEPOSTS 91.3± TO 197.4± AND I-90 MILEPOSTS B3.7± TO B21.5±
IN
ULSTER, COLUMBIA, RENSSELAER, ALBANY, SCHENECTADY, AND MONTGOMERY COUNTIES

TAA 25-23 D215045
80 SHEETS

TYPE OF CONSTRUCTION:
CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK.

STANDARD SHEETS:
THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY NYSDOT, WHICH ARE CURRENT AS OF THE STANDARD SPECIFICATIONS ADOPTION DATE SHOWN ON THE PROPOSAL COVER SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

THE LATEST REVISIONS OF THE NYSTA STANDARD SHEETS MAINTAINED BY THE AUTHORITY, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) LISTED ON DWG. SS-1 UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

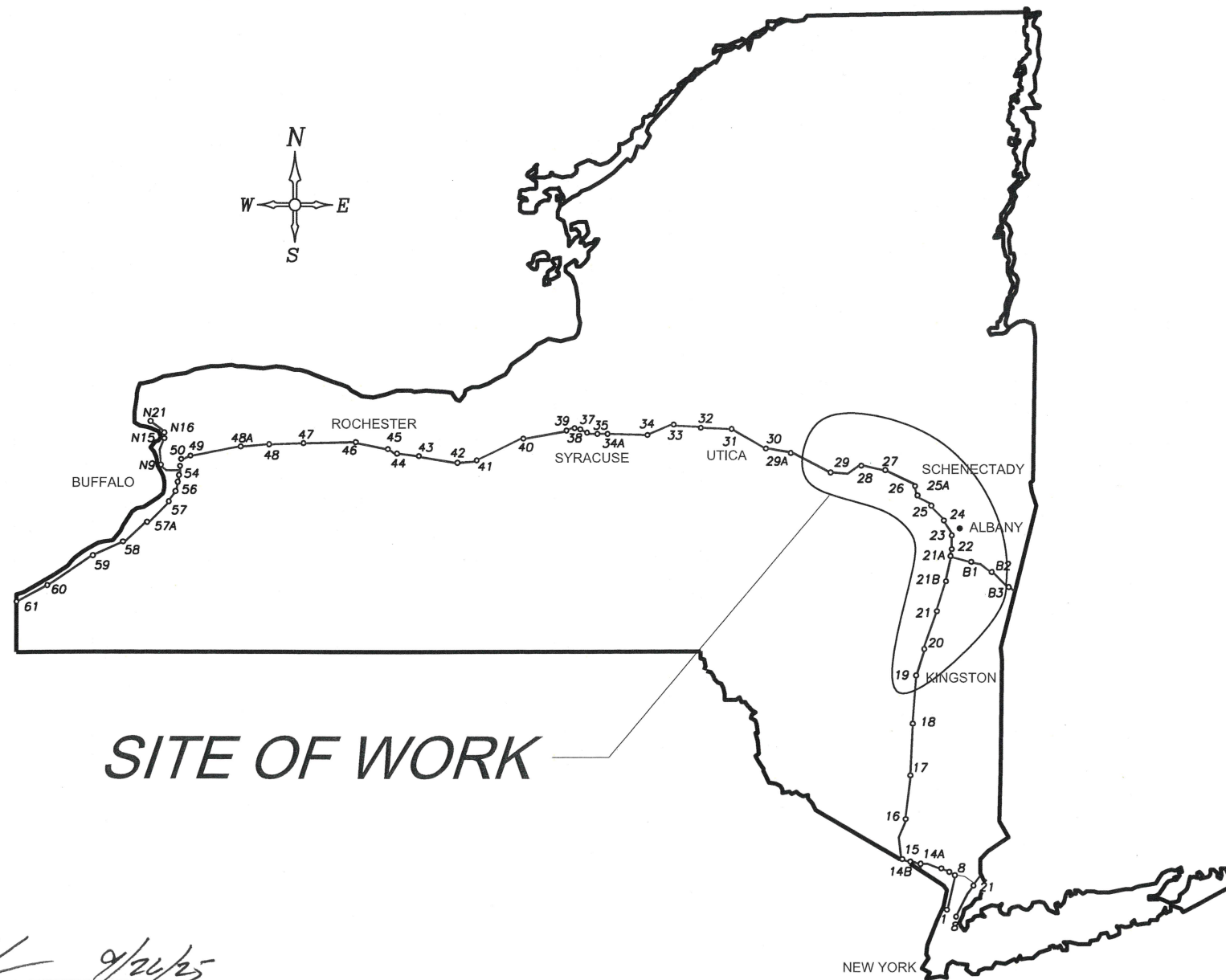
NOTES:
ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (US CUSTOMARY) REFERENCED IN THE CONTRACT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR CHANGES SET FORTH IN THE CONTRACT "PROPOSAL".

	CONTRACT LIMITS		PROJECT LIMITS	
	FROM MP	TO MP	FROM MP	TO MP
I-87 / I-90	91.3	198.6	91.3	197.3
I-90 BERKSHIRE SPUR	2.4	21.5	3.7	21.4

UDIG NEW YORK
UNDERGROUND FACILITIES PROTECTION ORGANIZATION
CALL 811



PREPARED AND RECOMMENDED BY:
Michael J. Duval DATE 09/24/2025
LABELLA ASSOCIATES P.C.
MICHAEL DUVAL
LICENSE NUMBER: 074098



REVIEWED BY: *Joseph...*
PROJECT MANAGER: *Joseph...*
BUREAU DIRECTOR: *Phil...*

CONTRACTOR'S NAME: _____
 AWARD DATE: _____
 COMPLETION DATE: _____
 FINAL ACCEPTANCE DATE: _____
 INSPECTION FIRM'S NAME: _____
 RESIDENT ENG./EIC: _____
 FINAL COST TOTAL: _____

FISCAL SHARE	COST(S)

INSPECTION FIRM CONSULTANT STAMP:

RECOMMENDED BY: *Phil Serafino* 9/26/25
DIRECTOR, OFFICE OF DESIGN DATE

DocuSigned by: *Phil Serafino* September 30, 2025
DIVISION DIRECTOR
BD37459BF08F47B...

RECOMMENDED BY: *Michelle...* 9/26/25
TRAFFIC ENGINEER DATE

DocuSigned by: *Charles Whetstone* September 29, 2025
DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT DATE
4BC1093E37334B1...

DocuSigned by: *Kevin Wisely* September 30, 2025
DIRECTOR OF MAINTENANCE AND OPERATIONS DATE
535D05A3AB80460...


DocuSigned by: *Kevin Wisely* September 30, 2025
CHIEF ENGINEER DATE
381E8D84998447...

SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
1	TITLE SHEET	COVER
2	INDEX AND ABBREVIATIONS	IND-01
3-4	LEGENDS - LINE AND POINT SYMBOLOLOGY	LEG-01 TO LEG-02
5	NYSTA STANDARD SHEETS LISTING AND WORK TYPE TABLES	SSL-01
6-7	GENERAL NOTES	GN-01 TO GN-02
8	WORK ZONE TRAFFIC CONTROL NOTES	WZN-01
9-10	WORK ZONE TRAFFIC CONTROL TABLES	WZT-01 TO WZT-02
11-12	WORK ZONE TRAFFIC CONTROL DETAILS	WZD-01 TO WZD-02
13-28	WORK ZONE TRAFFIC CONTROL PLANS	WZP-01 TO WZP-16
29-30	MISCELLANEOUS TABLES	MT-01 TO MT-02
31-34	MISCELLANEOUS DETAILS	MD-01 TO MD-04
35-38	EARTH WORK DETAILS	EW-01 TO EW-04
39	KEY PLAN - CULVERTS	KEY-01
40-55	GENERAL PLANS - CULVERTS	GNP-01 TO GNP-16
56	POND DETAILS	PDD-01
57-60	LOCATION PLANS - PONDS & SPOIL AREAS	LOC-01 TO LOC-04
61-71	GENERAL PLANS - PONDS	PND-01 TO PND-11
72-80	STRUCTURE PLANS AND DETAILS	ST-01 TO ST-09

ALIGNMENT		TOPOGRAPHY (MISCELLANEOUS)		UTILITIES	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AH	AHEAD	ABUT	ABUTMENT	E	ELECTRIC
AZ	AZIMUTH	AOBE	AS ORDERED BY ENGINEER	EMH	ELECTRIC MANHOLE
BK	BACK	ASPH	ASPHALT	G	GAS
B	BASELINE	BDY	BOUNDARY	GP	GUY POLE
BRG	BEARING	BLDG	BUILDING	GSB	GAS SERVICE BOX (HOUSE LINE)
CL	CENTERLINE	BM	BENCH MARK	GV	GAS VALVE (MAIN LINE)
CS	CURVE TO SPIRAL	CC	CENTER TO CENTER	HYD	HYDRANT
e	SUPERELEVATION RATE (CROSS SLOPE)	CONC	CONCRETE	LP	LIGHT POLE
EQ	EQUALITY	CONST	CONSTRUCTION	LPG	LOW PRESSURE GAS
EXT	EXTERNAL	CR	COUNTY ROAD	PP	POWER POLE
HCL	HORIZONTAL CONTROL LINE	D	DEED DISTANCE	SA	SANITARY SEWER
HSD	HEADLIGHT SIGHT DISTANCE	DM	DIRECT MEASUREMENT	SMH	SANITARY MANHOLE
L	LENGTH OF CIRCULAR CURVE	DWY	DRIVEWAY	ST	STORM SEWER
LS	LENGTH OF SPIRAL	EP	EDGE OF PAVEMENT	T	TELEPHONE
LVC	LENGTH OF VERTICAL CURVE	ES	EDGE OF SHOULDER	TCB	TRAFFIC CONTROL BOX
E	CENTER CORRECTION OF VERTICAL CURVE	FEE	FEE ACQUISITION	TELBOX	TELEPHONE BOX
M	MAIN LINE	FEE WO/A	FEE ACQUISITION WITHOUT ACCESS	TEL P	TELEPHONE POLE
PC	POINT OF CURVATURE	FP	FENCE POST	TMH	TELEPHONE MANHOLE
PI	POINT OF INTERSECTION	FD	FOUNDATION	CTV	CABLE TELEVISION
POL	POINT ON LINE	FL	FENCE LINE	W	WATER
PSD	PASSING SIGHT DISTANCE	GAR	GARAGE	WSB	WATER SERVICE BOX (HOUSE LINE)
PT	POINT OF TANGENT	GR	GRAVEL	WV	WATER VALVE (MAIN LINE)
PVC	POINT OF VERTICAL CURVE	HO	HOUSE	SUBSURFACE EXPLORATION	
PVI	POINT OF VERTICAL INTERSECTION	HWY	HIGHWAY	ABBR.	DESCRIPTION
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE	REPLACE ABBREVIATION "AB" WITH:	
R	RADIUS	MB	MAILBOX	AH	HAND AUGER
SC	SPIRAL TO CURVE	MON	MONUMENT	CP	CONE PENETROMETER
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER	DA	2 1/4 INCHES CASED DRILL HOLE
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND	DM	DRILLING MUD
STA	STATION	O/H	OVERHEAD	DN	4 INCHES CASED DRILL HOLE
T	TANGENT LENGTH	P	PARCEL	FH	HOLLOW FLIGHT AUGER
TGL	THEORETICAL GRADE LINE	PAV'T	PAVEMENT	PA	POWER AUGER
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT	PH	PROBE
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE	PT	PERCOLATION TEST HOLE
TOPOGRAPHY (DRAINAGE)		P	PROPERTY LINE	RP	1 INCH SAMPLER (RETRACTABLE PLUG)
ABBR.	DESCRIPTION	POR	PORCH	TO BE DEFINED AT THE TIME OF EXPLORATION	
BB	BOTTOM OF BANK (STREAM)	RR	RAILROAD	SP	SEISMIC POINT
BC	BOTTOM OF CURB	RTE	ROUTE	TP	TEST PIT
BO	BOTTOM OF OPENING	ROW	RIGHT OF WAY	ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:	
CAP	CORRUGATED ALUMINUM PIPE	RW	RETAINING WALL	B	BRIDGE
CB	CATCH BASIN	SH	STATE HIGHWAY	C	CUT
CIP	CAST IRON PIPE	SHLDR	SHOULDER	D	DAM
CL STRM	CENTERLINE OF STREAM	SPK	SPIKE	F	FILL
CMP	CORRUGATED METAL PIPE	ST	STREET	K	CULVERT
CP	CONCRETE PIPE	STK	STAKE	W	WALL
CSP	CORRUGATED STEEL PIPE	STY	STORY	X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE
CULV	CULVERT	SW	SIDEWALK		
DIA	DIAMETER	TE	TEMPORARY EASEMENT		
DMH	DRAINAGE MANHOLE	TO	TEMPORARY OCCUPANCY		
DS	DRAINAGE STRUCTURE PIPE	U/G	UNDERGROUND		
D'XING	DITCH CROSSING	WW	WING WALL		
EHW	EXTREME HIGH WATER				
EL	ELEVATION				
ELEV	ELEVATION				
ELW	EXTREME LOW WATER				
ES	END SECTION				
HW	HEADWALL				
INV	INVERT				
MH	MANHOLE				
MHW	MEAN HIGH WATER				
OHW	ORDINARY HIGH WATER				
OLW	ORDINARY LOW WATER				
RCP	REINFORCED CONCRETE PIPE				
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE				
TB	TOP OF BANK (STREAM)				
TC	TOP OF CURB				
TG	TOP OF GRATE				
VCP	VITRIFIED CLAY PIPE				

STANDARD SYMBOL (PLANS)	ITEM PAYMENT UNIT: ESTIMATE OF QUANTITIES SHEET	EQUIVALENT NOMENCLATURE: (SPECS/PROPOSAL)
"	-	INCHES
'	LF	LINEAR FEET
mi	MI	MILES
f+2	SF	SQUARE FEET
YD ²	SY	SQUARE YARD
AC	AC	ACRES
YD ³	CY	CUBIC YARD
GAL	GAL	GALLON
lb	LB	POUND
TON	TON	TON

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK


LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- AND B3.7+/- TO B21.5+/-

TITLE OF DRAWING: INDEX & ABBREVIATIONS

CONTRACT NUMBER: TAA 25-23

DATE: 09/2025

DRAWING NUMBER: IND-01



Powered by partnership.

PW/ R. BENNETT
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

PWZ
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 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

ALIGNMENT			LANDSCAPE			ROADWAY			TRAFFIC WORK ZONE			
STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	
	AC	CONTROL (CENTERLINE)		LABL	AREA, BRUSH LINE		RCZ.P	CLEAR ZONE		TWZBT.P	BARRIER, TEMPORARY	
	AD.P	DETOUR		LAHR	AREA, HEDGE ROW		RG	GUIDE RAIL, MISCELLANEOUS		TWZBTWL.P	BARRIER, TEMPORARY, W/ WARNING LIGHTS	
	AT.P	TRANSITION CONTROL		LAPB	AREA, PLANTING BED		RGB	GUIDE RAIL, BOX BEAM		TWZCD.P	CHANNELIZING DEVICE	
BRIDGE				LAWA	AREA, WOODED AREA OUTLINE		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN		TWZPMRC.P	PAVEMENT MARKING REMOVAL OR COVERING	
	BR	RAIL		LAWE	AREA, WATERS EDGE		RGC	GUIDE RAIL, CABLE	UTILITIES			
	BSHT	SHEET PILING		LCUT.P	CUT LIMIT		RCCB	GUIDE RAIL, CONCRETE BARRIER	STYLE	NAME	DESCRIPTION	
CONTROL				LFILL.P	FILL LIMIT		RGP.P	GUIDE POST		UC	CONDUIT, UNDERGROUND	
	CB	BASELINE		LFNC	FENCE		RGW	GUIDE RAIL, W BEAM		UCH	CONDUIT, HANGING	
	CBPR	BASELINE, PROJECTION		LTRC	TREE ROW, CONIFEROUS		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UCO	CONDUIT, OVERHEAD	
DRAINAGE				LTRD	TREE ROW, DECIDUOUS		RPB	PARKING BUMPER		UE	ELECTRIC LINE, UNDERGROUND	
	DCP	CULVERT PIPE		LWHD	WALL, H PILE		RRC	RAIL ROAD, CATENARY		UEH	ELECTRIC LINE, HANGING	
	DCP.P	CULVERT PIPE (DIR)		LWR	WALL, RETAINING		RRER	RAIL ROAD, 3RD RAIL		UEO	ELECTRIC LINE, OVERHEAD	
	DDG.P	DITCH, GRASS LINED		LWS	WALL, STONE		RRPLS.P	RAIL, PHOTO, LARGE SCALE		UETO	ELECTRIC TRANSMISSION, OVERHEAD	
	DDP.P	DITCH, PAVED INVERT	ROW MAPPING				RRPSS	RAIL, PHOTO, SMALL SCALE		UESS	ELECTRIC, SUBSTATIONS	
	DDS.P	DITCH, STONE LINED		MDL	DEED LINE		RRS	RUMBLE STRIP		UFO	FIBER OPTIC, UNDERGROUND	
	DFL.P	FLOW LINE		MEE	EASEMENT, EXISTING		RRSLS.P	RAIL, SURVEY, LARGE SCALE		UFOH	FIBER OPTIC, HANGING	
	DSSD	SLOTTED DRAIN		MEP.P	EASEMENT, PERMANENT		RRSSS	RAIL, SURVEY, SMALL SCALE		UFOO	FIBER OPTIC, OVERHEAD	
	DUD.P	UNDERDRAIN		MEPA.P	EASEMENT, PERMANENT, APPROX.		SIGNS				UG	GAS, UNDERGROUND
ENVIRONMENTAL				MET.P	EASEMENT, TEMPORARY		SBLB	BILLBOARDS		UGH	GAS, HANGING	
	EBLHS	BALE, STRAW		META.P	EASEMENT, TEMPORARY, APPROX.		SM	MULTIPLE POST		UGO	GAS, OVERHEAD	
	ECT	CURTAIN, TURBIDITY		MFA.P	FEE ACQUISITION, APPROXIMATE		SSO	STRUCTURE, OVERHEAD		UIC	INFORM CABLE, UNDERGROUND	
	EDMC	DAM, COFFER		MFS.P	FEE ACQUISITION, SHAPE		SSOC	STRUCTURE, OVHD, CANTILEVER		UICH	INFORM CABLE, HANGING	
	EDMEC.P	DAM, EARTHEN CHECK		MFWOA.P	FEE ACQUISITION, W/O ACCESS	STRIPING				UO	OIL LINE, UNDERGROUND	
	EDMGSC.P	DAM, GRAVEL BAG/SAND BAG CHECK		MHA	HISTORICAL, ACQUISITION		STB•	BROKEN LINE		UOH	OIL LINE, HANGING	
	EDMPC.P	DAM, PREFABRICATED CHECK		MHB	HIGHWAY BOUNDARY		STDB•	DOUBLE BROKEN LINE		UPBP	POLE, BRACE, PUSH BRACE	
	EDMSC.P	DAM, STONE CHECK		MHBA	HIGHWAY BOUNDARY, APPROX.		STD•	DOTTED LINE LONG		UPGW	POLE, GUY WIRE	
	EFNS	FENCE, SILT		MHBW	HWY BOUNDARY, FACE OF WALL		STDS•	DOTTED LINE SHORT		USA	SANITARY SEWER, UNDERGROUND	
	EFNSV	FENCE, SILT & VEGETATION		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STFB•	FULL BARRIER LINE		USAH	SANITARY SEWER, HANGING	
	EFNV	FENCE, VEGETATION		MJC	JURISDICTION, CITY		STH•	HATCH LINE		USAF	SANITARY SEWER, FORCE MAIN, UGND	
	EWAA.P	WETLAND, ADJACENT AREA		MJCY	JURISDICTION, COUNTY		STPB•	PARTIAL BARRIER LINE		USAFH	SANITARY SEWER, FORCE MAIN, HANG	
	EFW	WETLAND, FEDERAL		MJHD	JURISDICTION, HISTORIC DISTRICT		STRCT	ROUNDABOUT, CAT TRACKS		UT	TELEPHONE, UNDERGROUND	
	EFWS	WETLAND, FEDERAL AND STATE		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STRYL	ROUNDABOUT, YIELD LINE		UTH	TELEPHONE, HANGING	
	EFWM	WETLAND, MITIGATION AREA		MJN	JURISDICTION, NATION		STSB	STOP BAR		UTO	TELEPHONE, OVERHEAD	
	EFWS	WETLAND, FEDERAL AND STATE		MJPB	JURISDICTION, PUBLIC LANDS		STSE•	SOLID, EDGE		UTV	CABLE TV, UNDERGROUND	
	EFWS	WETLAND, STATE		MJS	JURISDICTION, STATE		STXL	X WALK, LADDER LINE		UTVH	CABLE TV, HANGING	
	EFWS	WETLAND, STATE		MJT	JURISDICTION, TOWN		STXLB	X WALK, LADDER BAR LINE		UTVO	CABLE TV, OVERHEAD	
	EFWS	WETLAND, STATE		MJV	JURISDICTION, VILLAGE		• = W (WHITE) OR Y (YELLOW)				UUU	UNKNOWN, UNDERGROUND
	EFWS	WETLAND, STATE		MPL	PROPERTY LOT LINE		TRAFFIC CONTROL				UUH	UNKNOWN, HANGING
	EFWS	WETLAND, STATE		MPLA	PROPERTY LOT LINE, APPROXIMATE		TCSW	SIGNAL, SPAN WIRE		UUO	UNKNOWN, OVERHEAD	
	EFWS	WETLAND, STATE		MSL	SUB LOT LINE					UW	WATER LINE, UNDERGROUND	
	EFWS	WETLAND, STATE								UWH	WATER LINE, HANGING	
	EFWS	WETLAND, STATE								UWO	WATER LINE, OVERHEAD	

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 in ON B SIZE DRAWINGS).
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

REVISIONS			
DATE	DESCRIPTION	BY	SYL



TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- AND B3.7+/- TO B21.5+/-	DATE: 09/2025
TITLE OF DRAWING LEGEND LINE SYMBOLOGY	DRAWING NUMBER: LEG-01

PWZ
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			UTILITIES		
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION
⊗	ACC	CENTER OF CURVATURE	+	DINV	INVERT	⊕	IANT_P	ANTENNAS	⊕	MDL1P	DEED LINE, TYPE 1	⊕	S	SINGLE POST	⊕	UEB	ELECTRIC, BOX
+	ACOGO	COGO	▬	DS	STRUCTURE, RECTANGULAR	⊕	IASCTS	ACCOU. SPEED/COUNT SNSR.S	⊕	MDL2P	DEED LINE, TYPE 2	⊕	S.P	SINGLE POST, PROPOSED	⊕	UEM	ELECTRIC, METER
⊗	ACS	CURVE TO SPIRAL	+	DSI	STRUCTURE, INVERT	⊕	ICABPAD	CABINET & PAD	⊕	MDL3P	DEED LINE, TYPE 3	⊕	SB.P	BACK TO BACK, PROPOSED	⊕	UEMH	ELECTRIC, MANHOLE
△	ADPL.P	DETOUR, POINT OF INTERSECT.	⊕	DSM	STRUCTURE, MANHOLE	⊕	ICCTV	CCTV SITE	⊕	MDL4P	DEED LINE, TYPE 4	⊕	SDEL	DELINEATORS	⊕	UEPT	ELECTRIC, POLE, TRANS.
⊕	ADPL.P	DETOUR, POINT ON LINE	⊕	DSMTXX.P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96	⊕	ICDPD	CDPD TRANSCEIVER	⊕	MDL5P	DEED LINE, TYPE 5	⊕	SPM	PARKING METER	⊕	UGM	GAS, METER
⊕	AEQN	EQUATION	⊕	DSR	STRUCTURE, ROUND	⊕	ICELLT	CELL PHONE TOWER	⊕	MEEP	EASEMENT, EXISTING	⊕	SRM	REFERENCE MARKERS	⊕	UGMH	GAS, MANHOLE
⊕	AEQNAHD	EQUATION AHEAD	⊕	DST"X"CB.P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊕	ICJB	CONDUIT JACK OR BORING	⊕	MEPAP.P	EASEMENT, PERM., APPROX.	⊕	SRSC3	SHLD, CTY, 123 DIG.	⊕	UGLM	GAS, LINE MARKER
⊕	AEQNBK	EQUATION BACK	⊕	DST"X"CB.P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊕	ICNTLCAB	CONTROLLER CABINET	⊕	MEPP.P	EASEMENT, PERM., BACK LINE	⊕	SRSC4	SHLD, CTY, 4 DIG.	⊕	UGP	GAS/FUEL PUMP
⊕	AEVT	EVENT STATION	⊕	DST"X"CB.P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊕	ICPB	COMMUNICATION PULL BOX	⊕	MEPSP.P	EASEMENT, PERM., SHAPE	⊕	SRSCT2	SHLD, CTY TOUR, 1-2 DIG.	⊕	UGV	GAS, VALVE
⊕	APC	POINT OF CURVATURE	⊕	DST"X"CB.P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊕	ICTD	CONDUIT TURNING DOWN	⊕	MFAP.P	FEE ACQUISITION, APPROX.	⊕	SRSCT4	SHLD, CTY TOUR, 3-4 DIG.	⊕	UGVT	GAS, VENT
⊕	APCC	POINT OF COMPOUND CURVATURE	⊕	DST"X"CB.P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊕	ICTU	CONDUIT TURNING UP	⊕	MFP.P	FEE ACQUISITION, BACK LINE	⊕	SRSI	SHLD, INTERSTATE	⊕	ULP	LIGHTING, POLE
△	API	POINT OF INTERSECTION	ENVIRONMENTAL			⊕	ICVTRT	COMM. VEH. ROAD TRANSCEIVER	⊕	MFSP.P	FEE ACQUISITION, SHAPE	⊕	SRSN2	SHLD, NATIONAL, 2 DIG.	⊕	ULPM	LIGHTING, POLE, MEDIAN
△	APOB	POINT OF BEGINNING	⊕	EIOP.P	STR., INLET, OUTLET PROT.	+	IDEFAULT	DEFAULT	⊕	MHBAP	HIGHWAY BNDRY., APPROX.	⊕	SRSN3	SHLD, NATIONAL, 3 DIG.	⊕	ULPP	LIGHTING, POLE, PED.
⊕	APOC	POINT OF CURVATURE	⊕	EIPGB.P	STR., INLET PROT., GRAVEL BAG	⊕	IEZR	E-ZPASS READER	⊕	MHBCP	HISTORICAL, BLDG. CORNERS	⊕	SRSS2	SHLD, STATE, 2 DIG.	⊕	UMFC	MISC. FILLER CAP
△	APOE	POINT OF END	⊕	EIPHS.P	STR., INLET PROT., HAY/STRAW	⊕	IEZTR	TRANSMITTAL READER	⊕	MHBP	HIGHWAY BNDRY, PT.	⊕	SRSS3	SHLD, STATE, 3 DIG.	⊕	UOLM	OIL, LINE MARKER
⊕	APOL	POINT ON LINE	⊕	EIPPS.P	STR., INLET PROT., PREFAB.	⊕	IFOXCAB	FIBER OPTIC X-CONNECT CABINET	⊕	MJCP	PT., JURIS. CITY	⊕	SRSS4	SHLD, STATE, 4 DIG.	⊕	UP	POLE, WITH UTILITY
⊕	APOS	POINT ON SPIRAL	⊕	EIPSF.P	STR., INLET PROT., SILT FENCE	⊕	IFUSSPL	FUSION SPLICE	⊕	MPBC	PT., BUILDING CORNER	TRAFFIC CONTROL			⊕	UPD	POLE, DEAD (NO UTILITY)
⊕	APOT	POINT ON TANGENT	⊕	ERCB	RISER, CONCRETE BOX	⊕	IHARADV	HAR ADVISORY SIGN	⊕	MPCC	PT., CROSS CUT	⊕	TCBJ	BOX, JUNCTION	⊕	UPL	POLE, WITH LIGHT
△	APOVC	POINT ON VERTICAL CURVE	⊕	ETRS.P	TRAP, SEDIMENT	⊕	IHARST	HAR SITE	⊕	MPDH	PT., DRILL HOLE	⊕	TCBP	BOX, PULL BOX	⊕	USMH	SANITARY SEWER MANHOLE
△	APOVT	POINT ON VERTICAL TANGENT	⊕	EWFG	WETLAND FLAG	⊕	ILC	LOAD CENTER	⊕	MPF	PT., FENCE LOCATION	⊕	TCBS	BOX, SPLICE	⊕	UTB	TELEPHONE, BOOTH
Y	APORC	POINT ON REVERSE CURVE	GEOTECHNICAL			⊕	IMECSPL	MECHANICAL SPLICE	⊕	MPIP	PT., IRON PIPE	⊕	TCMC	MICROCOMPUTER CABINET	⊕	UTLM	TELEPHONE, LINE MARKER
⊕	APT	POINT OF TANGENCY	⊕	GDH	DRILL HOLE	⊕	IMSCS	PORT. SPEED & COUNT SENSOR	⊕	MPIR	PT., IRON ROD	⊕	TCPP	PED POLE	⊕	UTMH	TELEPHONE, MANHOLE
⊕	APVC	POINT OF VERTICAL CURVATURE	LANDSCAPE			⊕	IMSCTS	MICRO SPEED & COUNT SENSOR	⊕	MPM	PT., MONUMENT	⊕	TCSH	SIGNAL HEADS	⊕	UTVLM	CABLE TV, LINE MARKER
△	APVCC	POINT OF VERT. CMPND CURVE	+	LELS	ELEVATION, SPOT	⊕	IMT	MICROWAVE TRANSCEIVER	⊕	MPMM	PT., MONUMENT, MISC.	⊕	TCSP	SIGNAL POLE	⊕	UTVPB	CABLE TV, PULL BOX
⊕	APVI	POINT OF VERT. INTERSECTION	⊕	LFP	FLAG POLE	⊕	IOVHMS	PERM. OVERHEAD VMS	⊕	MPN	PT., NAIL	TRAFFIC WORK ZONE			⊕	UUB	UNKNOWN, BOX
△	APVRC	POINT OF VERT. REVERSE CURVE	⊕	LMB	MAILBOX	⊕	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	⊕	MPRS	PT., RAILROAD SPIKE	⊕	TWZAP.P	ARROW PANEL	⊕	UUB	UNKNOWN, BOX
⊕	APVT	POINT OF VERTICAL TANGENCY	⊕	LPB	PAPER BOX	⊕	IPEDS	PEDESTRIAN SIGNAL HEAD	⊕	MPSP	PT., SPIKE	⊕	TWZAPC.P	ARROW PANEL, CAUTION MODE	⊕	UUMH	UNKNOWN, MANHOLE
⊕	ASC	SPIRAL TO CURVE	⊕	LPST	POST, SINGLE	⊕	IPSS	PAVEMENT SURFACE SENSOR	⊕	MPST	PT., STAKE	⊕	TWZAPT.P	ARROW PANEL, TRAILER OR SUPPORT	⊕	UUPB	UNKNOWN, PULL BOX
⊕	ASPI	SPIRAL POINT OF INTERSECTION	⊕	LRB	ROCK, BOULDER	⊕	IPVMS	PERM. VMS	⊕	MPTW	PT., TREE W/ WIRE	⊕	TWZBDC.P	BARRICADE (TYPE III)	⊕	UUVL	UNKNOWN, VALVE
⊕	ASTS	SPIRAL TO SPIRAL	⊕	LSHC	SHRUB, CONIFEROUS	⊕	IRM	RAMP METER	⊕	MPWL	PT., WALL LOCATION	⊕	TWZBDC.P	BARRICADE (TYPE III)	⊕	UUVT	UNKNOWN, VENT
⊕	AST	SPIRAL TO TANGENT	⊕	LSHD	SHRUB, DECIDUOUS	⊕	IRWIS	RDWY WEATHER INFO. SENSOR	ROW ACQUISITION			⊕	TWZCMS.P	CHANGEABLE MESSAGE SIGN (PVMS)	⊕	UUVW	UNKNOWN, WELL
⊕	ATS	TANGENT TO SPIRAL	⊕	LTC	TREE, CONIFEROUS	⊕	ISP	SOLAR PANEL	⊕	MFS.P.T	FEE ACQUISITION	⊕	TWZFLG.P	FLAGGER	⊕	UWFH	WATER, FIRE HYDRANT
△	AVEVT	VERTICAL EVENT POINT	⊕	LTP	TREE, CONIFEROUS	⊕	ISST	SPREAD SPECT. TRANSCEIVER	⊕	MEPS.P.T	EASEMENT, PERMANENT	⊕	TWZFT.P	FLAG TREE	⊕	UWM	WATER, METER
⊕	AVHIGH	VERTICAL HIGH POINT	⊕	LTD	TREE, DECIDUOUS	⊕	ITDB	TELEPHONE DEMARCATION BLK	⊕	METS.P.T	EASEMENT, TEMPORARY	⊕	TWZIA.P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)	⊕	UWMH	WATER, MANHOLE
⊕	AVLOW	VERTICAL LOW POINT	⊕	LTS	TREE, STUMP	⊕	ITP	SUBSURFACE TEMP. PROBE	⊕	METS.P.T	OCCUPANCY, TEMPORARY	⊕	TWZLUM.P	LUMINAIRE (TEMPORARY)	⊕	UWV	WATER, VALVE
BRIDGE			⊕	LTV.P	TREE, WELL OR WALL	⊕	IVTRT	VEHICLE TO RDWY TRANSCEIVER	⊕	MFS.P.T	FEE ACQUISITION W/O ACCESS	⊕	TWZSDT.P	SYMBOL, DIRECTION OF TRAFFIC	⊕	UWW	WATER, WELL
⊕	BSC	BRIDGE, SCUPPER	⊕	LUKP	UNKNOWN POINT	⊕	IWIMD	WEIGHT IN MOTION DETECTOR	⊕				⊕	TWZSDTD.P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR		
CONTROL			1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).			⊕	IWVR	WIRELESS VIDEO REPEATER				⊕	TWZSGN.P	SIGN (TEMPORARY)			
△	CBP	BASELINE, POINT	2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).			⊕	IWVRC	WIRELESS VIDEO RECEIVER				⊕	TWZSIG.P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)			
⊕	CBPOL	BASELINE, POINT ON LINE	3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.			⊕	IWVTT	WIRELESS VIDEO TRANSMITTER				⊕	TWZWL.P	WARNING LIGHT			
⊕	CBSP	BASELINE, SPUR POINT	4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 IN ON B SIZE DRAWINGS).						ROADWAY			⊕	TWZWV.P	WORK VEHICLE			
⊕	CBTP	BASELINE, TIE POINT	5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.						⊕	RES.P	ELEVATION, SPOT	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR			
⊕	CPBM	BENCHMARK	6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.						⊕	RGA	GUIDE RAIL, ANCHOR						
⊕	CPH	POINT, HORIZ. PHOTOGRAMMETRY							⊕	RGP	GUIDE POST, SINGLE						
⊕	CPSM	POINT, SURVEY MARKER, PERM.															
⊕	CPSV	POINT, VERT., PHOTOGRAMMETRY															

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- AND B3.7+/- TO B21.5+/-	DATE: 09/2025
TITLE OF DRAWING LEGEND POINT SYMBOLOGY	DRAWING NUMBER: LEG-02

New York State Thruway Authority Standard Sheets

The following NYS Thruway Authority standard sheets, marked with an "X" in first column, apply to this project.

X	SHEET NO.	SUBJECT
X	TA 201-01	Clearing and Grubbing (Dwg. CG)
X	TA 203-01	Shoulder Backup 1R Projects (Dwg. SB)
X	TA 203-02	Slope Flattening Details
X	TA 404-01	Highway Pavement Repair Details (Dwg. PRD)
	TA 404-02	Bridge Deck Wearing Course Resurfacing (Dwg. BDR)
	TA 404-03	Overhead Bridge Underclearance Improvement (Dwg. BU)
X	TA 603-01	Culvert Extension Details
X	TA 605-01	Underdrain Details
	TA 606-01	Modified Thrie Beam (Mod.) Guiderail (Dwg. GR-1)
	TA 606-02	Vacant
	TA 606-03	Corrugated Median Barrier to Corrugated Beam Guide Railing Transition Detail D (Dwg. GR-4)
	TA 606-04	Box Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-5)
	TA 606-05	HPBO (Mod.) Corrugated Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-6)
	TA 606-06	Typical U-Turn Median Rail Layout and Roadway Transverse Section
	TA 606-07	Modified Thrie Beam Guiderail with Rock Rail
	TA 606-08	Transition HPBO Corrugated Beam Median Guide Railing to HPBO Corrugated Beam Guide Railing
	TA 611-01	Living Snow Fences
X	TA 614-01	Tree Removal
X	TA 619-01	Work Zone Traffic Control Tables & Legend
X	TA 619-02	General Work Zone Traffic Control Notes & Channelizing Devices
X	TA 619-03	Shoulder Closure Short-Term or Intermediate-Term Stationary
X	TA 619-04	Shoulder Closure Short-Duration Stationary and Mobile
X	TA 619-05	Signing & Delineation for Shoulder Work Spaces with Temporary Concrete Barrier
X	TA 619-06	Work Beyond Shoulder
X	TA 619-07	Be Prepared to Stop and Uneven Lanes Signing
X	TA 619-08	Single Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-09	Double Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-10	Center Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-11	Lane Shift: 65 MPH Zone
	TA 619-12	Single Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-13	Double Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-14	Center Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-15	Lane Shift: 55 MPH Zone
X	TA 619-16	Work Zone Traffic Control at Interchanges, Service Areas and Parking Areas
X	TA 619-17	Work Zone Traffic Control for Miscellaneous Operations
X	TA 619-18	Mobile Lane Closure
X	TA 619-19	Mobile Lane Closure: Narrow Shoulder Area
X	TA 619-20	Short-Duration Lane Closure
	TA 619-21	Short-Duration Double Lane Closure
	TA 619-22	Work Zone Traffic Control Guide for Pavement Striping Operations
	TA 619-23	Mobile Lane Closure for Pavement Striping Operations
	TA 619-24	Mobile Lane Closure for Pavement Striping Operations: Narrow Shoulder Area
	TA 619-25	Work Zone Traffic Control for Pavement Striping Operations at Interchanges, Service Areas and Parking Areas
	TA 619-26	Temporary Rock Catchment Barrier (Sheets 1-3)
	TA 619-27	Workzone Overhead Gantry Signing
	TA 619-30	New York Division Traffic Management Tables (Sheets 1-28)
X	TA 619-31	Albany Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
X	TA 619-32	Albany Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-33	Syracuse Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-34	Syracuse Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-35	Buffalo Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 619-36	Buffalo Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 625-01	ROW and Survey Markers
	TA 645-01	Wrong Way Deterrence Sign
X	TA 646-01	Reference Marker Details (Sheets 1-2)
X	TA 670-01	Fiber Optic & Backbone Handhole Relocation Details
	TA 680-01	Inductance Loop Installation
	TA 680-02	Highway Advisory Radio (Sheets 1-9)
	TA 685-01	Pavement Marking Details: Asphalt and Concrete Pavement (Sheets 1-2)
	TA 685-02	Pavement Marking Details: Tapered Acceleration and Deceleration Lanes
	TA 685-03	Vacant
	TA 685-04	Temporary Pavement Marking Details
	TA 690-01	Loop and Treadle Plan (Sheets 1-2)
	TA 690-02	Toll Lane Slab Reinforcement Plan
	TA 690-03	10ft Treadle Frame (Sheets 1-4)

The officially adopted New York State Thruway Authority Standard Sheets book is available on the Thruway Authority's website at: <http://www.thruway.ny.gov/business/contractors/standard-sheets/index.shtml>

REV. 05/25

Highway Work Type

The marked types & treatments apply to the indicated milepost range(s) below.

MILEPOST FROM:	91.3	B3.7					
TO:	197.4	B21.5					
PROJECT TYPE	X	X	X	X	X	X	X
1R Resurfacing							
2R Resurfacing							
3R Rehabilitation							
Reconstruction							
Safety Improvements							
Drainage	X	X					
Rock Slope Remediation							
Pavement Striping							
Other:							
PAVEMENT TREATMENT	X	X	X	X	X	X	X
Isolated Pavement Repairs Only							
Thin Overlay without Milling							
Thin Overlay with Milling							
1" Mill & Inlay without Shoulders							
1" Mill & Inlay with Shoulders							
2" Mill & Inlay without Shoulders							
2" Mill & Inlay with Shoulders							
Mill to Concrete with 4" Overlay							
Mill to Concrete with 4.5" Overlay							
Mill to Concrete with 5" Overlay							
Crack and Seat with Overlay							
Rubblize with Overlay							
Other:							

Structure Work Type

The marked types apply to the indicated milepost(s) below.

MILEPOST:							
PROJECT TYPE	X	X	X	X	X	X	X
Bridge Washing							
Scour Protection							
Channel Cleaning							
Railing System							
Protective Screening							
Painting							
Steel Repair							
Wearing Surface Treatment							
Deck Repairs							
Joint Rehabilitation							
Joint Replacement							
Bearing Rehabilitation							
Bearing Replacement							
Hanger Pin Replacement							
Security							
Seismic Retrofit							
Substructure Rehabilitation							
Electrical							
Cathodic Protection System							
Fender or Pier Protection System							
Deck Replacement							
Superstructure Replacement							
Bridge Replacement							
Added Bridge (New Location)							
Abandoned Bridge							
Other:							

New York State Department of Transportation Standard Sheets

The latest revisions of the New York State Department of Transportation Standard Sheets maintained by NYSDOT, which are current as of the Standard Specifications adoption date shown on the Proposal cover, shall be considered to be in effect. All pay items and work contained in the Contract and any additional pay items and work encountered during the course of the Contract shall be subject to the applicable standard sheet(s) unless otherwise specified in the Contract documents.

The officially adopted New York State Department of Transportation Standard Sheets book is available on the NYSDOT website at: <https://www.dot.ny.gov/main/business-center/engineering/specifications/busi-e-standards-usc>

CHECKED BY: T. MASI

DRAFTED BY: D. HOLLNER

CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- AND MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING NYSTA STANDARD SHEETS LISTING AND WORK TYPE TABLES	DRAWING NUMBER: SS-1

WORK TO BE DONE/SEQUENCING NOTES:

1. THE PROJECT CONSISTS OF MISCELLANEOUS CULVERT REHABILITATION AND REPAIRS TO CULVERTS ON THE NEW YORK STATE THRUWAY FROM I-87 AND I-90 MILEPOSTS 91.3+/- TO 197.4+/- AND I-90 MILEPOSTS B3.7+/- TO B21.5+/- IN ULSTER, COLUMBIA, RENSSELAER, ALBANY, SCHENECTADY, AND MONTGOMERY COUNTIES.
2. MAINTAIN TRAFFIC AT ALL TIMES ACCORDING TO THE CONTRACT DOCUMENTS.
3. REFER TO GNP AND PND SHEETS FOR "WORK TO BE DONE" NARRATIVES.

GENERAL NOTES:

1. ALL WORK CONTEMPLATED UNDER THIS CONTRACT SHALL MEET THE REQUIREMENTS OF THE CURRENT NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS", AND NYS DOT AND NYSTA STANDARD SHEETS AS NOTED ON THE PROPOSAL BOOK COVER.
2. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE HIS WORK WITH OTHER CONTRACTORS AND AUTHORITY MAINTENANCE FORCES AND SHALL SCHEDULE THEIR OPERATIONS SO AS TO CAUSE MINIMUM DISRUPTION TO TRAFFIC.
3. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND/OR QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS AND IN COORDINATION WITH THE ENGINEER-IN-CHARGE (EIC).
4. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGE TO THE MATERIALS WHICH ARE TO REMAIN IN PLACE. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, THE DAMAGED MATERIAL SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE EIC AT THE EXPENSE OF THE CONTRACTOR.
5. CLEAN, GRADE, AND SHAPE EXISTING ROADSIDE SECTION AS NOTED IN THE DITCHING TABLE.
6. THE PURPOSE FOR DITCH WORK IS TO EXPOSE THE INLET AND OUTLET AND RESTORE A POSITIVE STORMWATER FLOW FROM THE DITCH TO THE INLET AND FROM THE CULVERT OUTLET TO THE EXISTING DITCH.
7. THE CONTRACTOR SHALL SURVEY AND VERIFY FIELD ELEVATIONS AND DIMENSIONS SHOWN ON DRAWINGS. THE DESIGN MAY NEED TO BE ADJUSTED ACCORDINGLY A.O.B.E. COSTS ARE TO BE INCLUDED IN ITEM 625.01 - SURVEY OPERATIONS. DRAINAGE STRUCTURE OFFSETS AND LENGTHS OF PIPE SHOWN IN THE DRAINAGE TABLE AND PLANS ARE NOMINAL DIMENSIONS. EXACT DIMENSIONS MUST BE DETERMINED IN THE FIELD. THE CONTRACTOR SHALL STAKE OUT ALL PIPES WITH SHALLOW COVER DEPTHS PRIOR TO DRIVING POSTS TO PRECLUDE DAMAGE TO BURIED PIPES. COST SHALL BE INCLUDED IN ITEM 625.01 - SURVEY OPERATIONS.
8. DUE TO TRAFFIC RESTRICTIONS, NARROW MEDIANS AND HIGH TRAFFIC VOLUMES, SOME OPERATIONS MAY REQUIRE NIGHT TIME WORK. REFER TO "LANE CLOSURE" CHARTS IN THE NYSTA STD. SHEETS. COSTS FOR PROVIDING ADEQUATE LIGHTING TO PERFORM THE NECESSARY WORK SHALL BE INCLUDED IN ITEM 619.24, NIGHTTIME OPERATIONS.
9. MATCH EXISTING ELEVATIONS, LINES, AND GRADES UNLESS OTHERWISE NOTED.
10. TRENCH AND CULVERT EXCAVATION ITEM 206.0201 SHALL INCLUDE RECONNECTION OF DISTURBED UNDERDRAIN TO THE NEAREST ACTIVE DRAINAGE STRUCTURE UNLESS OTHERWISE NOTED.
11. REFER TO THE PROPOSAL FOR REINFORCEMENT FOR CEMENT CONCRETE REQUIREMENTS.

GENERAL NOTES (CONT.):

12. THE CONTRACTOR SHALL EXAMINE AND VERIFY, IN THE FIELD, ALL CONDITIONS AND DIMENSIONS, DIMENSIONS OF THE EXISTING STRUCTURES SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION OR SUBSEQUENT REHABILITATION DRAWINGS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL SUCH FIELD MEASUREMENTS TO ASSURE PROPER FIT OF THE FINISHED WORK, AND THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS, AS APPROVED BY THE EIC. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS MADE SHALL BE INDICATED ON THE SHOP DRAWINGS SUBMITTED FOR REFERENCE OF THE REVIEWER.
13. APPROXIMATE LOCATIONS OF EXISTING MILE MARKERS AND TENTH MARKERS ARE SHOWN ON THE PLANS. THE MARKER LOCATIONS SHOWN ON THE PLANS ARE NOT TO BE USED FOR LAYING OUT LENGTH-OF-NEED FOR PROPOSED GUIDE RAIL OR MEDIAN BARRIER. ALL PROPOSED GUIDE RAIL SHOULD BE STAKED OUT FROM CENTERLINE STATIONING OR EXISTING FIXED FEATURES AS SHOWN ON THE PLANS.
14. THE CONTRACTOR SHALL BE AWARE THAT BURIED PIPES EXIST THROUGHOUT THE PROJECT LIMITS. IT IS THE CONTRACTORS RESPONSIBILITY TO TAKE NECESSARY PRECAUTIONS TO PREVENT INTERFERENCE WITH OR DAMAGE TO THE EXISTING DRAINAGE SYSTEMS DURING THE COURSE OF CONSTRUCTION. IF THE CONTRACTOR DAMAGES THE EXISTING DRAINAGE SYSTEMS, THE CONTRACTOR SHALL REPAIR THE DAMAGE AS DIRECTED BY THE EIC AT NO ADDITIONAL COST TO THE AUTHORITY.
15. THE CONTRACTOR SHALL SURVEY AND FIELD MARK R.O.W. A.O.B.E. AND SHALL REMAIN WITHIN THE R.O.W. AND EASEMENTS AT ALL TIMES. COST TO BE INCLUDED IN ITEM 625.01 - SURVEY OPERATIONS. SITES ARE AT MILEPOSTS: 91.37+/-, 134.99+/-, 142.54+/-, 158.8+/-, 162.2+/-, 164.1+/-, 167.7+/-, 173.4+/-, 173.6+/-, 174.7+/-, 181.2+/-, 186.1+/-, 193.9+/-, 197.3+/-, B 3.7+/-, AND B21.4+/-.
16. TREE CUTTING RESTRICTION FOR BAT CONSERVATION: DUE TO THE POSSIBILITY OF THE ENDANGERED AND THREATENED BAT SPECIES OCCURRING IN THE PROJECT VICINITY, ONLY TREES DESIGNATED FOR ELIMINATION IN THE PROJECT PLANS SHALL BE REMOVED, AND ADJACENT TREES LEFT UNHARMED. THE CONTRACTOR SHALL SCHEDULE CUTTING TREES LARGER THAN 3 INCHES IN DIAMETER AT BREAST HEIGHT (DBH) BETWEEN OCTOBER 1ST AND MARCH 31ST, OUTSIDE OF THESE DATES, BATS MAY BE UTILIZING TREES OF THIS SIZE FOR ROOSTING AND BREEDING PURPOSES, AND TREES SHALL NOT BE DISTURBED OR HARMED. PRIOR TO OR DURING CONSTRUCTION, TREE CLEARING LIMITS AND INDIVIDUAL TREES SHALL BE MARKED BY THE CONTRACTOR AND APPROVED BY THE THRUWAY PROJECT ENGINEER (TPE) PRIOR TO REMOVAL.
17. EXISTING HEADWALLS AND PIPES ARE TO BE REMOVED AND DISPOSED OF WHERE NOTED. COSTS ARE TO BE INCLUDED IN MISC. EXCAVATION ITEM 203.02 AND/OR ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION.

SPOIL AREAS AND INVASIVE SPECIES NOTES:

1. IT IS ANTICIPATED THAT INVASIVE PLANT SPECIES OCCUR AT THE FOLLOWING LOCATIONS AND DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES MAY BE DUE TO THE FOLLOWING WORK ITEMS:
 - GNP-01, ITEM 206.0201
 - GNP-02, ITEM 206.0201
 - GNP-03, ITEMS 203.02, 203.6100XX25, 206.0201, 621.51000025
 - GNP-04, ITEMS 206.0201, 621.51000025
 - GNP-06, ITEMS 203.02, 203.6100XX25, 206.0201, 621.51000025
 - GNP-15, ITEMS 203.6100XX25, 206.0201
 - GNP-16, ITEMS 203.02, 203.6100XX25, 621.51000025
 - PND DRAWINGS, ITEM 203.02
2. TWO SPOIL AREAS FOR THE DISPOSAL OF PHRAGMITES ARE AVAILABLE WITHIN THE AUTHORITY RIGHT-OF-WAY FOR THIS CONTRACT. THESE ARE APPROXIMATELY LOCATED AT I-87 MP 142.45 NORTHBOUND RIGHT AND, I-87 MP 143.9 SOUTHBOUND RIGHT.
3. THE CONTRACTOR SHALL COORDINATE THE EXACT EXCAVATION LOCATION WITHIN EACH SITE WITH GARY RAYLINSKY JR., THE ALBANY DIVISION ASSISTANT MAINTENANCE ENGINEER AT (518)436-2710 OR AT GARY.RAYLINSKYJR@THRUWAY.NY.GOV.

WORK ZONE TRAFFIC CONTROL (WZTC) NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE WORK ZONE TRAFFIC CONTROL (WZTC) AT EACH SITE. WZTC SHALL BE INSTALLED, TO THE SATISFACTION OF THE EIC, PRIOR TO COMMENCEMENT OF WORK AT EACH SITE.
2. AT WORK LOCATIONS WHERE THERE IS NO TEMPORARY POSITIVE CONCRETE BARRIER, THE CONTRACTOR SHALL REESTABLISH GUIDE RAIL CONTINUITY PRIOR TO THE END OF EACH WORKSHIFT (TYP.).

DITCH WORK NOTE:

1. WORK PAID FOR UNDER ITEM 621.05 AND ITEM 621.51000015 SHALL CONSIST OF CLEANING, GRADING, AND SHAPING EXISTING ROADSIDE DITCHES AND BACKSLOPES AS ORDERED BY THE EIC SO THAT ADEQUATE, UNOBSTRUCTED FREE FLOWING DRAINAGE IS OBTAINED. WHERE ITEM IS SHOWN ON THE PLANS REFER TO DRAWING EW-1 FOR DETAILS AND ADDITIONAL ITEMS.

STREAM AND ENVIRONMENTALLY SENSITIVE AREA PROTECTION NOTES:

1. DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO PREVENT OR REDUCE TO A MINIMUM ANY DAMAGE TO ANY STREAM FROM POLLUTION BY DEBRIS, SEDIMENT, OR OTHER FOREIGN MATERIAL, OR FROM MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH STREAMS. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO A STREAM ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THIS WATER TO BE POLLUTED WITH SAND, SILT, CEMENT, OIL, INVASIVE PLANT SPECIES, OR OTHER IMPURITIES. IF THE CONTRACTOR USES WATER FROM A STREAM, THE CONTRACTOR SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM REQUIRED TO PROTECT AND MAINTAIN WATER RIGHTS AND TO SUSTAIN AQUATIC LIFE DOWNSTREAM.
2. THE CONTRACTOR SHALL, WHENEVER POSSIBLE, LIMIT STREAM WORK ACTIVITIES TO PERIODS OF LOW FLOW AND WHEN NO STORMS ARE ANTICIPATED. THE CONTRACTOR SHALL SCHEDULE WORK SO AS TO COMPLETE THE NECESSARY WATER WORK AT EACH LOCATION IN ONE CONTINUOUS OPERATION, UNLESS OTHERWISE APPROVED BY THE EIC.
3. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER THAT WILL NOT NEGATIVELY IMPACT ENVIRONMENTALLY SENSITIVE AREAS INCLUDING STREAMS AND WETLANDS. NO EQUIPMENT SHALL BE PLACED OR OPERATED FROM WITHIN THESE ENVIRONMENTALLY SENSITIVE AREAS, UNLESS SPECIFIED.
4. NATURAL GROWTH PROTECTION: CARE SHALL BE TAKEN TO RETAIN NATURAL GROWTH AND PREVENT DAMAGE TO TREES WITHIN AND OUTSIDE THE LIMITS OF CONSTRUCTION, AND NOT SCHEDULED FOR REMOVAL. ANY DAMAGE CAUSED TO THIS NATURAL GROWTH SHALL BE RESTORED AS DIRECTED BY THE EIC AT NO ADDITIONAL COST TO THE AUTHORITY.

- MP 91.37 KINGSTON INTERCHANGE - USACE NWP #3
- MP 134.99 SELKIRK INTERCHANGE - USACE NWP #3
- MP 142.60 DELAWARE AVE CULVERT - USACE NWP #3
- MP 158.82 I-88 INTERCHANGE - USACE NWP #3
- MP 162.22 I-890 INTERCHANGE - USACE NWP #3
- MP 162.02 - USACE NWP #3
- MP 164.09 I-90 WB OUTLET PIPE COLLAPSE - USACE NWP #3
- MP 167.73 WATERFALL AT OUTLET - USACE NWP #3
- MP 173.44 SELF STORAGE NEAR OUTLET - USACE NWP #3
- MP 173.59 RTE 30 - USACE NWP #3
- MP 174.71 CHUCTANUNDA CREEK - NO PERMIT NECESSARY
- MP 181.16 FARMHOUSE AT OUTLET - USACE NWP #3
- MP 186.10 ADESTA FIBER SINKHOLE - NO PERMIT NECESSARY
- MP 193.87 DOUBLE BARREL - USACE TRANSPORTATION RGP
- MP 197.31 - USACE TRANSPORTATION RGP AND NYSDEC ARTICLE 24 GENERAL PERMIT GP-0-21-005
- MP B3.70 WINGWALL REPAIR - USACE NWP #3
- MP B21.41 - USACE NWP #3

CULVERT/DRAINAGE STRUCTURE NOTES:

1. CULVERTS ARE IDENTIFIED BY THEIR UNIQUE CULVERT IDENTIFICATION NUMBER (CIN). A CIN IS MADE UP OF FOUR PARTS:
 - MILEPOST NUMBER (FIRST 5 DIGITS)
 - THE NUMBER OF MILEPOST NEAREST THE CULVERT INLET.
 - SEQUENCE NUMBER (NEXT 3 DIGITS)
 - CULVERTS ARE NUMBERED SEQUENTIALLY BETWEEN ANY TWO MILEPOST NUMBERS. IF MORE THAN ONE CULVERT EXISTS AT A MILEPOST NUMBER, THEY ARE NUMBERED SEQUENTIALLY BEGINNING WITH THE LEFTMOST INLET AND PROCEEDING RIGHTWARD.
 - EXPANSION DESIGNATION (FIRST ALPHA CHARACTER)
 - THIS SUBFIELD ALLOWS A UNIQUE CIN TO BE ASSIGNED TO A CULVERT INSTALLED BETWEEN EXISTING CIN'S WHILE MAINTAINING THE SEQUENCE NUMBERING SYSTEM.
 - FACILITY DESIGNATION (SECOND ALPHA CHARACTER)
 - THIS SUBFIELD DESIGNATES THE TYPE OF FACILITY WITH WHICH THE CULVERT IS ASSOCIATED.
 - CODING: THE FIRST EIGHT DIGITS ARE NUMERIC. THE NINTH AND TENTH POSITIONS ARE ALPHA CHARACTERS.

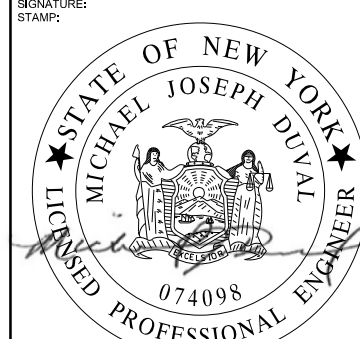
UTILITY NOTES:

1. LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED AS EXISTING AND/OR TO BE CONSTRUCTED AS SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THEIR EXACT LOCATION SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES WHETHER ABANDONED OR IN SERVICES, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT OPERATIONS AND TAKE THE NECESSARY PRECAUTIONS TO PREVENT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION.
2. IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN SAID SERVICE, WORK SHALL COMMENCE IMMEDIATELY TO RESTORE SERVICE AND MAY NOT CEASE WORK OPERATION UNTIL SERVICE IS RESTORED.
3. THE METHOD OF REMOVAL OF EXISTING ROADWAY OR SHOULDER PAVEMENT IN THE IMMEDIATE VICINITY OF UNDERGROUND UTILITIES SHALL BE SUBJECT TO THE APPROVAL OF THE EIC.

WARNING: UNDERGROUND FIBER OPTIC CONDUITS



1. EXISTING ADESTA (AN ALLIED UNIVERSAL COMPANY) FIBER OPTIC CONDUITS CAN BE FOUND WITHIN THE ENTIRE WORK LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL CONTACT DIG SAFELY NEW YORK AT 811 OR 1-800-962-7962 PRIOR TO ANY EXCAVATION, CULVERT CLEANING, AND/OR GUIDERAIL INSTALLATION.

PW/ R. BENNETT
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E. ROSENZWEIG
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DESIGN SUPERVISOR: R. BENNETT

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYL

	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING GENERAL NOTES	DRAWING NUMBER: GN-01

GENERAL EROSION AND SEDIMENT CONTROL (ESC) NOTES:

1. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE EIC HIS WRITTEN SCHEDULE AND PROPOSED MEASURES FOR TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH SECTION 209 OF THE NYS DOT STANDARD SPECIFICATIONS. ALL STREAM WORK SHALL BE LIMITED TO WITHIN THE DESIGNATED RIGHT OF WAY.
2. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED, INSPECTED, MONITORED AND MAINTAINED AS SPECIFIED IN THE NYS DOT SPECIFICATIONS.
3. THE LOCATIONS OF EROSION AND SEDIMENT CONTROL MEASURES, AS INDICATED IN THE CONTRACT DOCUMENTS MAY REQUIRE FIELD ADJUSTMENTS DEPENDING ON ACTUAL FIELD CONDITIONS.
4. THE EIC SHALL BE NOTIFIED OF ANY SIGNIFICANT CHANGES TO THE EROSION AND SEDIMENT CONTROL MEASURES INDICATED IN THE CONTRACT DOCUMENTS.
5. ALL DREDGED AND EXCAVATED MATERIAL DISPOSED OF ON AN UPLAND SITE SHALL BE SUITABLY STABILIZED WITH SEED AND MULCH IN ACCORDANCE WITH SECTION 209 OF THE NYS DOT STANDARD SPECIFICATIONS SO THAT IT CANNOT REASONABLY RE-ENTER ANY WATER BODY OR WETLAND AREA.
6. INSPECTION, PERIODIC CLEANING AND MAINTENANCE OF TEMPORARY SOIL EROSION AND POLLUTION CONTROL DEVICES SHALL BE PERFORMED ON A SCHEDULE BASIS IN ACCORDANCE WITH SECTION 209 OF THE NYS DOT STANDARD SPECIFICATIONS. THE COST OF INSTALLING, CLEANING AND REMOVING TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE PAID FOR UNDER THEIR RESPECTIVE ITEMS.
7. ALL CONTROL MEASURES SHALL BE PLACED PRIOR TO STARTING EARTHWORK OPERATIONS.
8. PREFABRICATED CHECK DAMS SHALL BE PLACED NO CLOSER THAN 5' FROM THE INLET.
9. REFER TO NYS DOT STANDARD SHEETS 209-01 AND 209-02 FOR SOIL AND SEDIMENT CONTROL DETAILS.
10. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT CONTAMINATION OF STREAMS AND WATERWAYS BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE LEACHATE OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION OPERATIONS.
11. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO ANY WATERS, NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY WETLAND OR WATERS OR GROUND. A CONCRETE TRUCK WASHOUT PIT IS REQUIRED MEETING THE MINIMUM REQUIREMENTS OF NYSDEC 2016 BLUE BOOK SECTION 2 - RESOURCE PLANNING.
12. THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS DURING ALL PHASES OF CONSTRUCTION.
13. DUMP TRUCKS HAULING MATERIAL PRONE TO BLOWING SHALL BE COVERED WITH A TARPULIN.
14. IF CONSTRUCTION ACTIVITIES ARE DISCONTINUED IN AREAS OF SOIL DISTURBANCE BEFORE FINAL GRADING IS COMPLETE, TEMPORARY GRADING SHALL INCLUDE TEMPORARY SEEDING AND MULCH (ITEM 209.1003) THAT WILL BE STABILIZED WITHIN 14 DAYS OF EXPOSURE. MULCH SHALL BE MAINTAINED UNTIL SUITABLE VEGETATIVE COVER IS ESTABLISHED. THIS PAY ITEM IS ESTIMATED AND THE QUANTITY MAY VARY BASED ON ACTUAL CONSTRUCTION CONDITIONS.
15. ADDITIONAL QUANTITIES FOR EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE EIC IN ADDITION TO THAT INDICATED. PAYMENT FOR ADDITIONAL WORK WILL BE MADE UNDER THE APPROPRIATE ITEMS IN THE CONTRACT.
16. ALL METHODS AND EQUIPMENT PROPOSED BY THE CONTRACTOR TO ACCOMPLISH THE WORK SHALL BE APPROVED BY THE EIC.
17. AT THE COMPLETION OF CONSTRUCTION AND PERMANENT SOIL STABILIZATION, SEDIMENT SHALL BE REMOVED FROM TEMPORARY ESC MEASURES, DRAINAGE STRUCTURES, AND DRAINAGE SWALES. THE COST FOR SEDIMENT REMOVAL, AND GROUND RESTORATION REQUIRED AS A RESULT OF ANY SEDIMENT BUILD-UP SHALL BE INCLUDED IN THE PRICE BID FOR THE SEDIMENT CONTROL ITEMS.

GENERAL EROSION AND SEDIMENT CONTROL (ESC) NOTES (CONT.):

18. THE ACTUAL LOCATIONS AND CONFIGURATION OF TEMPORARY WATERWAY DIVERSION STRUCTURES AND SILT FENCING SHALL BE APPROVED BY THE EIC. SILT FENCES SHALL NOT BE USED IN AREAS OF CONCENTRATED FLOW.
19. INSTALL TURF REINFORCEMENT MATS, CLASS III, TYPE C, PERMANENT ON SLOPES STEEPER THAN 1V TO 3H (TYP.). COST TO BE PAID FOR IN ITEM 209.200301.

CULVERT DEWATERING NOTES:


1. DITCH FLOW ENTERING THE CULVERT WITHIN THE WORK AREA SHALL BE MAINTAINED DURING CONSTRUCTION BY DIVERTING THE FLOW AROUND THE WORK AREA. THE WORK AREA FOR EACH CULVERT PIPE SHALL BE DEWATERED AS REQUIRED, OR AS ORDERED BY THE EIC TO COMPLETE THE WORK. COSTS TO DEWATER, AS NECESSARY, ARE TO BE INCLUDED IN UNIT BID PRICE FOR ITEM 553.03XXXX, TEMPORARY WATERWAY DIVERSION STRUCTURE. REFER TO THE PLANS FOR THE SITES MENTIONED HEREIN, FOR ADDITIONAL INFORMATION.
2. THE WORK AREA FOR CULVERTS WITH MULTIPLE CELLS SHALL BE DEWATERED BY DIVERTING THE STREAM FLOW THROUGH THE ADJACENT CELL OR PIPE. DITCH FLOW ENTERING THE STREAM WITHIN THE WORK AREA SHALL BE MAINTAINED DURING CONSTRUCTION BY DIVERTING THE FLOW AROUND THE WORK AREA. THE WORK AREA FOR EACH CULVERT PIPE SHALL BE DEWATERED AS REQUIRED BY THE EIC TO COMPLETE ALL OPERATIONS.
3. ITEM 553.0300XX TEMPORARY WATERWAY DIVERSION STRUCTURE WHERE SHOWN SHALL ONLY BE INSTALLED AS CONDITIONS WARRANT TO COMPLETE THE PROPOSED WORK. PAYMENT FOR ITEM 553.0300XX WILL ONLY BE MADE WHERE TEMPORARY WATERWAY DIVERSION STRUCTURES ARE REQUIRED AND INSTALLED TO THE SATISFACTION OF THE EIC. THE COST FOR DEWATERING, INCLUDING ADJUSTMENTS AND RELOCATIONS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 553.0300XX. THE TEMPORARY WATERWAY DIVERSION STRUCTURE ITEM IS DEPICTING AN AREA TO BE DEWATERED, NOT AN ACTUAL MEANS OF DOING SO.

MISCELLANEOUS NOTES:

1. THE CONTRACTOR IS ADVISED THAT ADDITIONAL "NOTES" WILL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTRACT PLANS AND SUCH "NOTES", WHILE PERTAINING TO THE SPECIFIC SHEETS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
2. IT WILL BE THE CONTRACTOR'S OBLIGATION AND RESPONSIBILITY TO USE METHODS AND EQUIPMENT WHICH WILL ENSURE THE SATISFACTORY COMPLETION OF THE REQUIRED WORK.
3. ALL CULVERT PIPES, CLOSED DRAINAGE, AND DRAINAGE STRUCTURES IN THIS PROJECT ARE DESIGNATED AS CONFINED SPACES. ALL PRECAUTIONS SHALL BE TAKEN, SHOULD ENTRY BE REQUIRED.
4. THE CONTRACTOR SHALL PROTECT HIS WORKERS AT ALL TIMES IN CONFORMANCE WITH APPLICABLE O.S.H.A. REGULATIONS.
5. THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING TO EXAMINE FIELD CONDITIONS AND TO DETERMINE THE EXTENT AND NATURE OF THE WORK TO BE DONE UNDER THIS CONTRACT. NO EXTRA COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR BECAUSE OF THE CONTRACTOR'S FAILURE TO INCLUDE IN HIS BID ALL ITEMS AND MATERIALS REQUIRED TO BE FURNISHED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL CONTACT THE ALBANY DIVISION PERMIT COORDINATOR, MIKE BEAUDET AT (518) 471-5940 TO OBTAIN A NO-FEE WORK PERMIT BEFORE PERFORMING A PRE-BID SITE VISIT.
6. CONTRACTOR SHALL PROVIDE TEMPORARY MEANS (PIPES, PUMPS, ETC.) TO DRAIN STORM WATER THAT MAY DEVELOP WITHIN A PROJECT SITE DURING CONSTRUCTION. CONTRACTOR SHALL SUBMIT A DRAINAGE PLAN FOR APPROVAL BY THE EIC, PRIOR TO THE START OF EACH CONSTRUCTION STAGE. COST OF THIS WORK SHALL BE IN THE PRICE BID FOR ITEM 553.03XXXX, TEMPORARY WATERWAY DIVERSION STRUCTURE, FOR THAT SITE.
7. CURED IN PLACE PIPE LINER (CIPPL) RESIN CATCHMENT PITS SHALL BE PLACED IN ACCORDANCE WITH THE CURRENT NYS DOT STANDARD SPECIFICATION. COSTS FOR RESIN CATCHMENT PITS SHALL BE INCLUDED IN ITEM 602.36XX.
8. THE CONTRACTOR SHALL CAPTURE AND DISPOSE ALL CURING WATER ACCORDING TO THE REQUIREMENTS OF THE CURRENT NYS DOT STANDARD SPECIFICATION. THE CURED IN PLACE PIPE (CIPP) SHALL BE ON THE NYS DOT APPROVED LIST. COSTS SHALL BE INCLUDED IN THE RESPECTIVE ITEM 602.36XX.
9. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT TWO SPOIL AREAS FOR SURPLUS MATERIALS ARE AVAILABLE FOR THIS CONTRACT WITHIN THE AUTHORITY RIGHT-OF-WAY. SEE DRAWING NOS. LOC-2 AND LOC-4 FOR LOCATIONS. SPOIL PLACEMENT SHALL BE IN ACCORDANCE WITH THE SPOIL REQUIREMENTS OF SECTION 107-10 MANAGING SURPLUS MATERIAL AND WASTE. ALL COSTS ASSOCIATED WITH THE SPOIL AREAS AND REMOVAL OF SPOIL MATERIAL SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT. LIMITS OF SPOIL AREA VOLUME SHALL BE DETERMINED BY THE CONTRACTOR BEFORE AND DURING OPERATIONS, AND SHALL BE APPROVED BY THE EIC. COST TO BE INCLUDED IN THE ITEM 625.01 - SURVEY AND STAKEOUT.
10. A GALVANIZED EXTERNAL RESTRAINING DEVICE SHALL BE USED AT EACH SIDE OF THE SPRINGLINE AT MID HEIGHT TO CONNECT EACH AND EVERY REINFORCED CONCRETE END SECTION. THE LENGTH OF EACH EXTERNAL RESTRAINING DEVICE SHALL BE THE FIRST THREE FULL SECTIONS (ON BOTH THE INLET AND OUTLET). SECURELY ANCHOR THE DEVICE TO THE PIPE, WITH MINIMUM SLACK IN THE DEVICE AND THE JOINTS. LOCATE ANCHORING POINTS A MINIMUM OF 18 INCHES FROM THE END OF THE PIPE SECTIONS AND THE FLARED END SECTIONS. ANCHOR EACH END OF THE DEVICE WITH A 1" DIAMETER BOLT WITH A NUT AND WASHER, OR ITS EQUIVALENT, THROUGH THE SECTION WALL. RESTRAINING DEVICES SHALL MEET ALL THE MINIMUM REQUIREMENTS OF THE STANDARD SPECIFICATION SECTION 603-3.06 (C) AND SHALL BE HOT DIPPED GALVANIZED ASTM G90 MEETING THE MINIMUM REQUIREMENTS OF STANDARD SPECIFICATION SECTION 719-01 TYPE II. CONTRACTOR SHALL SHOW ALL RESTRAINING DEVICES AND CONNECTIONS IN THE SUBMITTALS FOR APPROVAL. FABRICATED SECTIONS SHALL HAVE PROPER SLEEVES TO RECEIVE THE BOLTS. EXISTING CONCRETE PIPE SECTIONS THAT ARE TO BE RESET IN THE FIELD SHALL HAVE EXTERNAL GALVANIZED RESTRAINING DEVICES WITH FIELD CONNECTIONS AS APPROVED IN THE SUBMITTALS. COSTS ARE TO BE INCLUDED IN ITEM 603.73XX, REINFORCED CONCRETE PIPE END SECTIONS, OR IN THE REINFORCED CONCRETE PIPE ITEM IF NO CONCRETE END SECTION IS USED.
11. FOR CULVERTS WITH LININGS, EACH (FIRST) EXISTING PIPE PREPARATION VIDEO INSPECTION SHALL BE PERFORMED AS EARLY AS POSSIBLE AT THE BEGINNING OF THE JOB, AFTER CLEANING AND DEWATERING, AND IN ACCORDANCE WITH SECTION 602-3.01 EXISTING PIPE PREPARATION AND SHALL BE SUBMITTED TO THE AUTHORITY'S DESIGN PROJECT MANAGER WITHIN THREE DAYS OF RECORDING FOR REVIEW TO DETERMINE IF THE PROPOSED WORK IS APPROPRIATE AND IF FURTHER WORK IS REQUIRED. THE COSTS FOR THIS CLEANING AND VIDEO INSPECTION SHALL BE INCLUDED IN THE LINING ITEM 602.XXYY. FOR CULVERTS WITH LININGS SMALLER THAN 48 INCH DIAMETER, A SECOND VIDEO INSPECTION SHALL BE PERFORMED AFTER LINING TO DETERMINE THE QUALITY AND ACCEPTABILITY OF THE CIPP LINING BY THE EIC. THE COST FOR THE SECOND VIDEO INSPECTION SHALL BE INCLUDED IN ITEM 634.07060001.

MISCELLANEOUS NOTES (CONT.):

12. FOR EACH PIPE REQUIRING ITEM 634.07060001 - VIDEO INSPECTION OF PIPE LINES, EACH RECORDING, PER PIPE SHALL BE PERMANENTLY LABELED WITH THE CONTRACTOR'S NAME, DATE VIDEO INSPECTED, PROJECT NAME, ROADWAY NAME(S), AND CULVERT IDENTIFICATION NUMBERS (CINs) OF THE PIPE(S) INSPECTED. THE RECORDING SHALL BE IN THE FORMAT AND MEDIA APPROVED BY THE EIC. TWO SETS OF MEDIA WITH THE RECORDING(S) SHALL BE DELIVERED TO THE EIC (ONE COPY FOR CONSTRUCTION AND ONE COPY TO BE DELIVERED TO MAINTENANCE BY THE EIC). COSTS ARE INCLUDED IN ITEM 634.07060001 - VIDEO INSPECTION OF PIPE LINES.
13. THE CONTRACTOR SHALL COMPLETELY DEWATER EACH SITE PRIOR TO EXCAVATION OR WORK. COST TO BE INCLUDED IN THE RESPECTIVE DEWATERING ITEM.
14. THE GRADE ELEVATION AT ALL CULVERT OUTLETS SHALL MATCH THE CULVERT INVERT ELEVATION. THERE SHALL BE NO PERCHED OUTLETS FOR CULVERTS ON THIS PROJECT.
15. THE CONTRACTOR SHALL CAREFULLY STOCKPILE ALL EXISTING STONE BANK PROTECTION THAT WILL BE DISTURBED BY THE SCOPE OF WORK AND RESTORE ALL BANK PROTECTION A.O.B.E. COST IS TO BE INCLUDED IN THE RESPECTIVE ITEMS.
16. THE CONTRACTOR SHALL ENSURE THAT THE GUIDE RAILING POSTS DO NOT ENCRoACH OR INTERFERE WITH THE PIPES. THE CONTRACTOR SHALL SURVEY AND STAKE OUT THE PIPE TO VERIFY PIPE LOCATIONS AND DEPTHS BEFORE COMMENCING WORK. IF A CONFLICT DOES EXIST, THE RAILING SHALL BE RELOCATED SLIGHTLY SO AS NOT TO INTERFERE WITH THE PIPE. COSTS TO BE INCLUDED IN ITEM 625.01 - SURVEY OPERATIONS AND IN THE RESPECTIVE ITEMS IN SECTION 606 OF THE STANDARD SPECIFICATIONS. IF THE CONTRACTOR DAMAGES THE PIPE IT SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE AUTHORITY.
17. THE CANAL NON-NAVIGATION SEASON BEGINS APPROXIMATELY NOVEMBER 15TH AND ENDS APPROXIMATELY APRIL 15TH OF THE FOLLOWING YEAR. THE NYSCC SHALL BE CONTACTED FOR PRECISE DATES.
18. AT EACH JOINT WITH A CONCRETE COLLAR, WRAP THE ENTIRE JOINT WITH A MEMBRANE OR OTHER MATERIAL AND SEAL TO THE PIPE A.O.B.E. PRIOR TO INSTALLING THE CONCRETE COLLAR. COST TO BE PAID FOR IN ITEM 603.77.

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: GENERAL NOTES	DRAWING NUMBER: GN-02

PW:7
CHECKED BY: R. BENNETT
DRAFTED BY: E. ROSENZWEIG
CHECKED BY: M. DUVAL
DESIGNED BY: B. DEHAAN
DESIGN SUPERVISOR: R. BENNETT

GENERAL NOTES:

1. WORK ZONE TRAFFIC CONTROL (WZTC) SHALL BE COMPLIED WITH THROUGHOUT THE LENGTH AND DURATION OF THE CONTRACT IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAY (MUTCD) - WITH REVISIONS AND THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATION 619. EXCEPT WHERE MODIFIED BY THE CONTRACTOR IN THE PLANS AND PROPOSAL.
2. DISTANCES SHOWN ARE APPROXIMATE ONLY AND MAY BE REVISED BY THE EIC TO MEET FIELD CONDITION (DRIVEWAYS, HIGHWAY ALIGNMENT, ETC.)
3. THE COST FOR FURNISHING AND INSTALLING ALL WZTC SIGNS SHALL BE PAID FOR UNDER ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.
4. DURING NON-WORKING HOURS, ALL CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED AT LEAST 30 FT FROM THE EDGE OF PAVEMENT OR BE PROTECTED BY A GUIDE RAIL SYSTEM APPROVED BY THE EIC.
5. THE CONTRACTOR SHALL COVER ANY SIGNS OR PORTIONS THEREOF THAT THE ENGINEER DEEMS TO BE IN CONFLICT WITH THE SAFE MAINTENANCE AND PROTECTION OF TRAFFIC. THE COST OF THE WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01.
6. WHEN CONES ARE USED IN CONTROLLING THE MOVEMENT OF TRAFFIC THROUGH WORK AREAS, THE CONTRACTOR SHALL TAKE STEPS AS NECESSARY TO PREVENT THE CONES FROM BEING BLOWN OVER OR DISPLACED BY PASSING VEHICLES.
7. NOTWITHSTANDING THE PROVISIONS OF SUBSECTION 619 OF THE STANDARD SPECIFICATIONS AND SECTION 6F OF MUTCD, USE OF CONES WILL NOT BE PERMITTED DURING NIGHTTIME OPERATIONS.
8. VARIOUS WORK ZONE TRAFFIC CONTROL SIGNS SPECIFIED IN PART 6 OF THE MUTCD ARE AVAILABLE IN THE STANDARD DIAMOND SHAPE AND AN ALTERNATE RECTANGULAR SHAPE. WHENEVER SUCH SIGNS ARE INCLUDED IN THIS CONTRACT, THE DIAMOND SHAPE SIGN SHALL BE USED, DESPITE OTHER INDICATIONS IN CHAPTER 6F.
9. UNLESS OTHERWISE INDICATED, ALL WORK ZONE SIGNS USED IN THE PROJECT LIMITS SHALL BE THE LARGEST SIZE AVAILABLE IN ACCORDANCE WITH THE MUTCD, WHERE THERE IS INADEQUATE CLEARANCE FOR THE LARGEST AVAILABLE SIGN, THE ENGINEER MAY ORDER A SMALLER SIZE SIGN.
10. USE OF SIGN OVERLAYS WILL NOT BE PERMITTED DURING NIGHTTIME OPERATIONS.
11. ARROW PANELS SHALL NOT BE USED FOR LANE SHIFTS. A LANE SHIFT IS DEFINED AS A LATERAL SHIFT IN THE TRAVEL PATH WITHOUT A REDUCTION IN NUMBER OF LANES.
12. LANE CLOSURE TAPERS:
 - A. LANE CLOSURE TAPERS MUST BE STARTED AT LOCATIONS PROVIDING OPTIMUM VISIBILITY, I.E. BEFORE CURVES AND CRESTS. CLOSURE LOCATIONS SHOULD TAKE ADVANTAGE OF AVAILABLE ESCAPE PATHS SUCH AS WIDE MEDIANS AND SHOULDERS, AND AVOID BRIDGES, UNDERPASSES AND OTHER LOCATIONS WITHOUT AVAILABLE ESCAPE PATHS.
 - B. LANE CLOSURE TAPERS SHOULD BE LOCATED AWAY FROM OTHER CONFLICT POINTS SUCH AS ON-RAMPS AND INTERSECTIONS WHENEVER POSSIBLE.
13. THE ENGINEER SHALL APPROVE THE CONDITION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES PRIOR TO USE. THE ENGINEER AND OR THE TRAFFIC SUPERVISOR SHALL ALSO REVIEW THE PROPOSED TEMPORARY TRAFFIC CONTROL PLAN (FOR PRECISE DEVICE LOCATION PRIOR TO INSTALLATION).
14. ALL SIGNS SHALL CONFORM TO THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE NEW YORK STATE SUPPLEMENT TO THE NATIONAL MUTCD. ORANGE SIGN PANELS SHALL BE FLORESCENT-ORANGE ASTM TYPE IX (CLASS E) RETROFLECTIVE FACES SHALL BE ASTM TYPE SHEETING, ALL OTHER COLORS OF CONSTRUCTION SIGN 11 (CLASS B) REFLECTIVE SHEETING.

GENERAL NOTES (CONT.):

15. EXISTING SPEED LIMIT SIGNS SHALL BE COVERED WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE TO AVOID CONFLICT WITH THE REDUCED SPEED LIMIT SIGNS.
16. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE ALL WORK WITH OTHER CONTRACTORS AND AUTHORITY MAINTENANCE FORCES, AND SHALL SCHEDULE OPERATIONS SO AS TO CAUSE MINIMUM DISRUPTION TO TRAFFIC.
17. TEMPORARY SIGN SUPPORTS SHALL PROVIDE A MINIMUM MOUNTING HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN TO THE NEAR EDGE OF THE PAVEMENT. SIGNS SHALL BE PLACED AT OR NEAR AS PRACTICAL TO THE LOCATIONS SHOWN. LATERAL PLACEMENT OF THE SIGNS SHALL CONFORM TO SECTION 6F.03 OF THE NATIONAL MUTCD.
18. CHANNELIZING DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL MUTCD AND SECTION 729 OF THE STANDARD SPECIFICATIONS WITH THE EXCEPTION THAT THE REFLECTIVE SHEETING ON THE DRUMS SHALL BE ASTM TYPE IX AND BE 6 IN WIDE. CHANNELIZING DEVICE TYPE AND SPACING REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 619 OF THE STANDARD SPECIFICATIONS.
19. BARRIER VEHICLES SHALL BE PRESENT WHEN WORKERS AND OR EQUIPMENT OCCUPY THE WORK SPACE. THE BARRIER VEHICLES SHALL CONFORM TO AND BE PLACED IN ACCORDANCE WITH THE REQUIREMENT OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 619. A SEPARATE BARRIER VEHICLE SHALL BE PROVIDED FOR EACH CLOSED LANE AND EACH SHOULDER OF 8 FEET IN WIDTH AND GREATER. IF THE WORK SPACE(S) MOVE WITHIN THE STATIONARY LANE CLOSURE, THE BARRIER VEHICLES SHALL BE REPOSITIONED ACCORDINGLY. EXCEPTIONS TO THESE REQUIREMENTS MAY BE MADE WHERE BARRIER VEHICLE PLACEMENT WOULD BE INEFFECTIVE OR WOULD INTERFERE WITH THE SAFE OPERATION OF THE WORK ZONE. TRAFFIC BARRIER VEHICLES ARE NOT REQUIRED FOR PAVING OPERATIONS.
20. ALL WORK REQUIRED TO CONSTRUCT, PREPARE, DELINEATE, AND SIGN WORK AREAS SHALL BE COMPLETED PRIOR TO MAINTAINING TRAFFIC THROUGH THE WORK AREA.
21. THE CONTRACTOR SHALL SUBMIT PROPOSED CHANGES TO THE WZTC PLAN FOR APPROVAL BY THE EIC ONE (1) WEEK PRIOR TO THE BEGINNING OF WORK. THE CONTRACTOR MAY MODIFY WZTC PLANS, SUBJECT TO THE AUTHORITY'S TRAFFIC ENGINEER'S APPROVAL.
22. LOCAL FIRE, POLICE, AMBULANCE, REGIONAL TRAFFIC SERVICE AND MUNICIPAL AUTHORITIES SHALL BE NOTIFIED BY THE NYS THRUWAY AUTHORITY.

NIGHTTIME CONSTRUCTION NOTES:

1. THE CONTRACTOR IS ADVISED THAT SOME OF THE WORK IN THIS CONTRACT IS EXPECTED TO BE COMPLETED DURING NIGHT TIME CLOSURES.
2. WORK ZONE TRAFFIC CONTROL FOR NIGHTTIME CONSTRUCTION SHALL BE CONDUCTED IN ACCORDANCE WITH THE APPLICABLE CONTRACT PLAN NOTES, SECTION 169-3.19 OF THE STANDARD SPECIFICATIONS AND ADDENDA, AND ALL APPLICABLE SPECIAL NOTES IN THE PROPOSAL.
3. ALL ARROW BOARDS USED AT NIGHT SHALL BE PROPERLY DIMMED AS DESCRIBED IN THE MUTCD AND ALL THE STANDARD SPECIFICATIONS TO AVOID GLARE FOR APPROACHING MOTORISTS.
4. NIGHTTIME CONSTRUCTION ACTIVITIES, INCLUDING LANE CLOSURES OR OBSTRUCTIONS, WILL BE PERMITTED AS NOTED IN THE "SCHEDULE AND SUSPENSION OF WORK" LOCATED IN THE PROPOSAL.
5. THE CONTRACTOR SHALL PROVIDE LIGHTING FOR ALL NIGHTTIME OPERATIONS IN ACCORDANCE WITH ITEM 619.24.
6. THE CONTRACTOR IS ADVISED THAT ILLUMINATION IS TO BE PROVIDED THROUGHOUT THE ENTIRE AREA OF CONSTRUCTION OPERATIONS, WHICH INCLUDES ALL WORK AREAS OCCUPIED BY THE CONTRACTORS PERSONNEL. (TRUCK STAGING AREAS, CLEAN OUT AREAS. LAYOUT AND MEASUREMENT AHEAD OF ACTUAL WORK, ETC.).

PORTABLE VARIABLE MESSAGE SIGNS:

1. PORTABLE VARIABLE MESSAGE SIGNS, SHALL BE PLACED BEYOND THE SHOULDER WHEREVER PRACTICAL.
2. PORTABLE VARIABLE MESSAGE SIGNS SHALL REFLECT CURRENT WORK ZONE CONDITIONS AND SHALL BE UPDATED WHEN CONDITIONS CHANGE. PORTABLE VARIABLE MESSAGE SIGNS SHALL BE TURNED OFF AT TIMES WHEN A MESSAGE IS NOT NEEDED. MESSAGES SHALL NOT REPEAT INFORMATION ALREADY COVERED BY STATIC WARNING SIGNS OR BY EXISTING DYNAMIC MESSAGE SIGNS.
3. MESSAGE DEVELOPMENT WILL BE THE RESPONSIBILITY OF THE AUTHORITY'S ENGINEER AND OPERATIONS STAFF.
4. CONTRACTOR SHALL CONTACT THE AUTHORITY'S ENGINEER AT LEAST TWO (2) WEEKS PRIOR TO PLACEMENT OF ANY VARIABLE MESSAGE SIGNS REGARDING THEIR LOCATION AND RECEIVE CONCURRENCE OF LOCATION.
5. THE CONTRACTOR SHALL PROVIDE FOUR (4) PORTABLE VARIABLE MESSAGE SIGNS FOR THE DURATION OF THE CONTRACT. THE PORTABLE VARIABLE MESSAGE SIGN(S) SHALL BE DEPLOYED AS NECESSARY FOR THE VARIOUS WZTC SCHEMES DEVELOPED. THE PORTABLE VARIABLE MESSAGE SIGNS PROVIDED SHALL MEET THE REQUIREMENTS OF THE (LED PORTABLE VARIABLE MESSAGE BOARDS WITH CELLULAR OPTION).

WINTER SHUTDOWN NOTES:

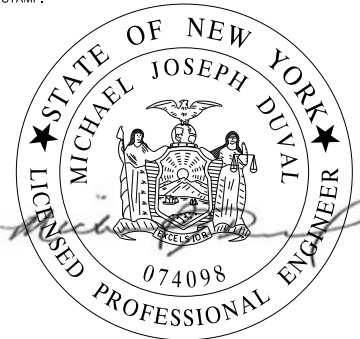
1. A WINTER SHUTDOWN IS REQUIRED. NO CONSTRUCTION ACTIVITIES ARE PERMITTED BETWEEN THOSE DATES, ALL WORK ZONES ESTABLISHED PRIOR TO THE WINTER SHUTDOWN SHALL HAVE ALL PAVING, STRIPING AND GUIDE RAIL OPERATIONS COMPLETED AND IN THEIR FINAL CONDITION. NO WORK ZONE TRAFFIC CONTROL IS PERMITTED DURING THE SHUTDOWN.

CONSTRUCTION VEHICLES AND EQUIPMENT:

1. THE CONTRACTOR SHALL PLAN AND INCORPORATE ACCESS POINTS INTO THE WORK ZONE SUCH THAT, TO THE EXTENT PRACTICAL, THE CONTRACTOR'S VEHICLES ENTERING AND LEAVING THE WORK ZONE SHALL NOT IMPEDE THE MOVEMENT OF THROUGH TRAFFIC IN THE ADJACENT OPEN LANES.

CHANNELIZING DEVICES:

1. CHANNELIZATION DEVICES USED IN TAPERS SHALL BE UNIFORM.
2. CHANNELIZATION DEVICES USED IN THE TANGENT SECTION OF A LANE CLOSURE OR SHOULDER CLOSURE SHALL BE UNIFORM.
3. THE CONTRACTOR SHALL USE DRUMS FOR NIGHTTIME LANE CLOSURES AND NIGHTTIME SHOULDER CLOSURES. ON INTERSTATES, THE CONTRACTOR SHALL HAVE THE OPTION OF USING VERTICAL PANELS.
4. ALL CHANNELIZING DEVICES SHALL BE PLACED SO AS TO PROVIDE A 1 FT LATERAL CLEARANCE TO THE TRAVELED WAY UNLESS OTHERWISE SHOWN ON THE PLANS, WHERE POSSIBLE, A LATERAL BUFFER OF 2 FEET MINIMUM SHALL BE PROVIDED BETWEEN THE WORK SPACE AND CHANNELIZING DEVICES.

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.




TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL NOTES	DRAWING NUMBER: WZN-01


GUIDE RAIL TABLE

ITEM NO.	DESCRIPTION																			
606.120101	BOX BEAM END PIECE																			
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING																			
606.24	ANCHORAGE UNITS FOR CORRUGATED BEAM MEDIAN BARRIER																			
606.5148	RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS)																			
606.5248	RESETTING CORRUGATED BEAM MEDIAN BARRIER (NEW POSTS)																			
606.5348	RESETTING BOX BEAM GUIDE RAILING (NEW POSTS)																			
606.5801	RESETTING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING (NEW POSTS)																			
606.61	REMOVING AND STORING CORRUGATED BEAM GUIDE RAILING																			
	606.62	REMOVING AND STORING CORRUGATED BEAM MEDIAN BARRIER																		
	606.63	REMOVING AND STORING BOX BEAM GUIDE RAILING																		
	606.66	REMOVING AND STORING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING																		
	606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS																		
	606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL																		
	619.17060025	LINEAR DELINEATION SYSTEM																		
	619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED) (LF)																		
	619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED) (LF)																		

SHEET #	MILEPOST	DIRECTION	SHOULDER	MAXIMUM OPENING (FT)	DIMENSION "A" (FT)	DIMENSION "B" (FT)	ITEM 606.120101 (EA)	ITEM 606.22 (EA)	ITEM 606.24 (EA)	ITEM 606.5148 (LF)	ITEM 606.5248 (LF)	ITEM 606.5348 (LF)	ITEM 606.5801 (LF)	ITEM 606.61 (LF)	ITEM 606.62 (LF)	ITEM 606.63 (LF)	ITEM 606.66 (LF)	ITEM 606.7910 (EA)	ITEM 606.7920 (EA)	ITEM 619.17060025 (LF)	ITEM 619.1711 (LF)	ITEM 619.1715 (LF)	COMMENTS	
																								(SEE NOTE 1)
GNP-02	134.9	SB	RT	72.0	240.0	220.0	1.0					72.0				72.0				1.0	68.0	220.0	240.0	EXIST. BOX BEAM. RAIL LENGTHS ARE 18 FT. W/6 FT. POST SPACING.
PND-07	145.1	SB	RT	62.5	220.0	240.0		2.0					62.5				62.5	2.0		62.4	240.0	220.0	EXIST. HPBO (MOD.) W-BEAM GUIDE RAILING. RAIL LENGTHS ARE 12.5 FT. ANCHOR UNITS ARE 25 FT.	
PND-08	145.3	SB	RT	62.5	220.0	220.0		2.0					62.5				62.5	2.0		62.4	220.0	220.0	EXIST. HPBO (MOD.) W-BEAM GUIDE RAILING. RAIL LENGTHS ARE 12.5 FT. ANCHOR UNITS ARE 25 FT.	
PND-10	146.9	NB	RT	62.5	220.0	220.0		2.0					62.5				62.5	2.0		62.4	220.0	220.0	EXIST. HPBO (MOD.) W-BEAM GUIDE RAILING. RAIL LENGTHS ARE 12.5 FT. ANCHOR UNITS ARE 25 FT.	
PND-11	147.1	NB	RT	62.5	220.0	220.0		2.0					62.5				62.5	2.0		62.4	220.0	220.0	EXIST. HPBO (MOD.) W-BEAM GUIDE RAILING. RAIL LENGTHS ARE 12.5 FT. ANCHOR UNITS ARE 25 FT.	
GNP-06	164.1	WB	RT	62.5	220.0	220.0		2.0		62.5				62.5				2.0		62.4	220.0	220.0	EXIST. WEAK POST WB. RAIL LENGTHS 12.5 FT. NOM. 0 W/6'-3" POST SPACING. ANCHOR UNITS ARE 13 FT.	
		EB	RT	62.5	220.0	220.0		2.0		62.5				62.5				2.0		62.4	220.0	220.0		
GNP-07	167.7	EB	RT	62.5	220.0	220.0		2.0		62.5				62.5				2.0		62.4	220.0	220.0	EXIST. WEAK POST WB. RAIL LENGTHS 12.5 FT. NOM. 0 W/6'-3" POST SPACING. ANCHOR UNITS ARE 13 FT.	
GNP-08	173.4	WB	RT	62.5	220.0	220.0		2.0					62.5				62.5	2.0		62.4	220.0	220.0	EXIST. HPBO (MOD.) W-BEAM GUIDE RAILING. RAIL LENGTHS ARE 12.5 FT. ANCHOR UNITS ARE 25 FT.	
		EB	RT	62.5	220.0	220.0		2.0					62.5				62.5	2.0		62.4	220.0	220.0		
GNP-09	173.6	TO RTE 30/TO I 90	RT	72.0	230.0	220.0	1.0					72.0				72.0			1.0	65.2	220.0	230.0	EXIST. BOX BEAM. RAIL LENGTHS ARE 18 FT. W/6 FT. POST SPACING.	
GNP-10	174.7	WB	LT	62.5	340.0	120.0			2.0	2.0		62.5			62.5			2.0		96.4	120.0	340.0	EXIST. WEAK POST WB. MEDIAN BARRIER RAIL LENGTHS 12.5 FT. NOM. 0 W/6'-3" POST SPACING. ANCHOR UNITS ARE 13 FT.	
		EB	LT		340.0	120.0															96.4	120.0		340.0
GNP-11	181.2	WB	RT	62.5	220.0	220.0		2.0					62.5				62.5	2.0		62.4	220.0	220.0	EXIST. HPBO (MOD.) W-BEAM GUIDE RAILING. RAIL LENGTHS ARE 12.5 FT. ANCHOR UNITS ARE 25 FT.	
		EB	RT	62.5	220.0	220.0		2.0					62.5				62.5	2.0		62.4	220.0	220.0		
GNP-13	193.9	WB	RT	62.5	220.0	260.0		2.0					62.5				62.5	2.0		62.4	260.0	220.0	WB: EXIST. HPBO (MOD.) W-BEAM GUIDE RAILING. RAIL LENGTHS ARE 12.5 FT. ANCHOR UNITS ARE 25 FT.	
GNP-14	197.3	WB	RT	62.5	220.0	220.0		2.0					62.5				62.5	2.0		62.4	220.0	220.0	EXIST. HPBO (MOD.) W-BEAM GUIDE RAILING. RAIL LENGTHS ARE 12.5 FT. ANCHOR UNITS ARE 25 FT.	
		EB	RT	62.5	220.0	220.0		2.0					62.5				62.5	2.0		62.4	220.0	220.0		
GNP-15	B 3.7	EB	LT	72.0	240.0	220.0	1.0					72.0				72.0			1.0	68.0	220.0	240.0	EXIST. BOX BEAM. RAIL LENGTHS ARE 18 FT. W/6 FT. POST SPACING.	
GNP-16	B 21.4	EB	LT	72.0	240.0	240.0	1.0					72.0				72.0			1.0	68.0	240.0	240.0	EXIST. BOX BEAM. RAIL LENGTHS ARE 18 FT. W/6 FT. POST SPACING.	
TOTAL							4.0	30.0	2.0	187.5	62.5	288.0	687.5	187.5	62.5	288.0	687.5	30.0	4.0	1335.6	4280.0	4710.0		



NOTE:
1. REFER TO DWG. WZD-01 FOR DIMENSION LOCATIONS.

PWZ
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL TABLES	DRAWING NUMBER: WZT-01	

PWZ
CHECKED BY: R. BENNETT
DRAFTED BY: E. ROSENZWEIG
CHECKED BY: M. DUVAL
DESIGNED BY: B. DEHAAN
DESIGN SUPERVISOR: R. BENNETT



WORK ZONE TRAFFIC CONTROL SUMMARY											
ROAD	MILEPOST	SIDE	GUIDE RAIL	SHOULDER CLOSURE (SEE NOTE 1) TA 619-03	RIGHT LANE CLOSURE (2 LANE SECTION) TA 619-08	LEFT LANE CLOSURE (2 LANE SECTION) TA 619-08	RIGHT LANE CLOSURE (3 LANE SECTION) TA 619-08	LEFT LANE CLOSURES FOR MEDIAN ACCESS TA 619-08	SITE SPECIFIC	COMMENTS	
CULVERTS											
I-87	91.4	NB		X					X	REFER TO DWG. WZP-02 AND WZP-03 FOR SITE SPECIFIC WORK ZONE SET UP. REFER TO TA 619-16 FOR ADDITIONAL GUIDANCE ON WORK ZONE SET UP NEAR EXTS. UTILIZE LEFT LANE CLOSURE FOR WORK IN MEDIAN.	
		SB		X		X					
I-87	134.9	NB		X					X	REFER TO DWG. WZP-05 FOR SITE SPECIFIC WORK ZONE SET UP. REFER TO TA 619-06 FOR ADDITIONAL GUIDANCE ON WORK ZONE SET UP FOR WORK BEYOND SHOULDER.	
		SB	X	X						REFER TO DWG. WZP-04 FOR SITE SPECIFIC WORK ZONE SET UP. REFER TO TA 619-16 FOR ADDITIONAL GUIDANCE ON WORK ZONE SET UP NEAR EXTS. GUIDE RAIL REMOVAL REQUIRED	
I-87 NB RAMP	134.9	RT		X					X	REFER TO DWG. WZP-05 AND WZP-06 FOR SITE SPECIFIC WORK ZONE SET UP.	
		LT		X							
I-90	B 3.7	EB RT		X	X					GUIDE RAIL REMOVAL REQUIRED	
		EB LT	X	X		X				GUIDE RAIL REMOVAL NOT NECESSARY	
	B 21.4	EB RT	X	X	X					GUIDE RAIL REMOVAL REQUIRED	
		EB LT	X	X		X					
I-88	158.8	WB	X	X					X	GUIDE RAIL REMOVAL NOT NECESSARY. REFER TO DWG. WZP-07 FOR SITE SPECIFIC WORK ZONE SET UP.	
		EB	X	X						WORK AT EB OUTLET ALREADY COMPLETED. UTILIZE EXISTING ACCESS RD IF NECESSARY	
I-90 WB RAMP	162.2	RT	X	X					X	GUIDE RAIL REMOVAL NOT NECESSARY. REFER TO DWG. WZP-08 AND WZP-09 FOR SITE SPECIFIC WORK ZONE SET UP.	
		LT	X	X							
I-90	164.1	WB	X	X	X					GUIDE RAIL REMOVAL REQUIRED (WB & EB)	
		EB	X	X	X					WB GUIDE RAIL REMOVAL NOT NECESSARY, USE OLD ACCESS RD. EB GUIDE RAIL REMOVAL REQUIRED.	
	167.7	WB	X	X	X	X				GUIDE RAIL REMOVAL NOT NECESSARY, ACCESS OFF OF RAMP. REFER TO DWG. WZP-10 FOR SITE SPECIFIC WORK ZONE SET UP.	
		EB	X	X	X				X	GUIDE RAIL REMOVAL REQUIRED. REFER TO DWG. WZP-11 AND WZP-12 FOR SITE SPECIFIC WORK ZONE SET UP. REFER TO TA 619-16 FOR ADDITIONAL GUIDANCE ON WORK ZONE SET UP NEAR EXTS.	
	173.4	WB	X	X							
		EB	X	X							
I-90 RAMP	173.6	TO RTE 30	X	X					X	GUIDE RAIL REMOVAL REQUIRED. REFER TO DWG. WZP-13 FOR SITE SPECIFIC WORK ZONE SET UP.	
		TO I-90	X							GUIDE RAIL REMOVAL NOT NECESSARY, ACCESS FROM PARKING LOT.	
I-90	174.7	WB	X	X				X	X	CENTER CLOSURE AND MEDIAN GUIDE RAIL REMOVAL REQUIRED FOR MEDIAN INLET WORK. REFER TO DWG. WZP-14 FOR SITE SPECIFIC WORK ZONE SET UP.	
		EB	X	X							
	181.2	WB	X	X	X					GUIDE RAIL REMOVAL REQUIRED (WB & EB) POSSIBLE WB ACCESS FROM PRIVATE PROPERTY	
		EB	X	X	X						
	186.1	WB		X	X				X	CENTER CLOSURE REQUIRED FOR MEDIAN INLET WORK	
		EB		X	X						
	193.9	WB	X	X						X	GUIDE RAIL REMOVAL REQUIRED (WB & EB). REFER TO DWG. WZP-15 AND WZP-16 FOR SITE SPECIFIC WORK ZONE SET UP.
		EB	X	X							
	197.3	WB	X	X	X						GUIDE RAIL REMOVAL REQUIRED (WB & EB)
		EB	X	X	X						
PONDS											
I-87	141.5 (POND A)	SB	X	X	X					GUIDE RAIL REMOVAL NOT NECESSARY	
	142.5 (POND D)	SB		X			X				
	143.1 (POND E)	SB		X			X				
	143.8 (POND F)	SB		X			X				
	144.2 (POND G)	NB		X			X				
	144.6 (POND H-1)	SB		X			X				
	144.7 (POND H-2)	SB	X	X			X			GUIDE RAIL REMOVAL NOT NECESSARY	
	145.1 (POND I-1)	SB	X	X			X			GUIDE RAIL REMOVAL REQUIRED	
	145.3 (POND I-2)	SB	X	X			X			GUIDE RAIL REMOVAL REQUIRED	
	145.5 (POND J)	NB		X			X				
	146.9 (POND M)	NB	X	X			X			GUIDE RAIL REMOVAL REQUIRED	
	147.1 (POND N)	NB	X	X			X			GUIDE RAIL REMOVAL REQUIRED	

NOTE:
1. SHOULDER CLOSURES A.O.B.E. OR AS WORK AREA AND TRAFFIC CONDITIONS DICTATE.

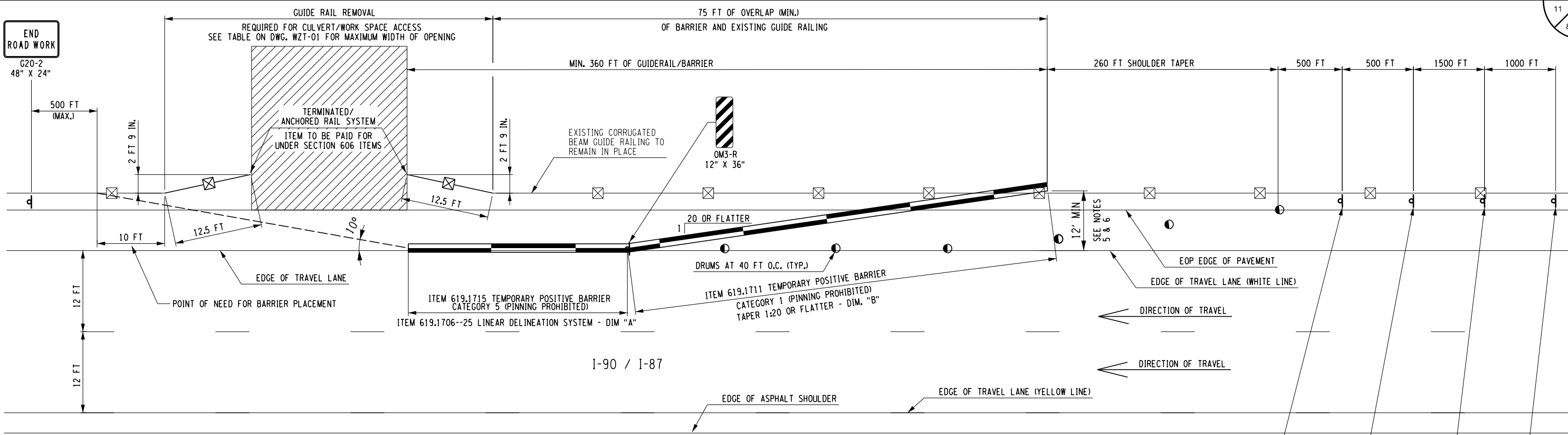
ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL TABLES	DRAWING NUMBER: WZT-02

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



DETAIL/PLAN OF GUIDE RAIL REMOVAL FOR WORK SPACE ACCESS
NOT TO SCALE

- LEGEND:**
- BARRIER
 - CONSTRUCTION DRUM
 - CONSTRUCTION SIGN
 - WORK SPACE

- NOTES:**
- NO MATERIAL OR EQUIPMENT SHALL BE STORED OUTSIDE THE WORK SPACE UNLESS APPROVED BY THE ENGINEER. NO MATERIALS AND/OR EQUIPMENT ARE TO BE STORED WITHIN THE DEFLECTION DISTANCE OF THE BARRIER DURING NON-WORKING HOURS.
 - THE "SHOULDER CLOSED" SIGN SHALL BE USED WHENEVER THE WIDTH OF EXISTING SHOULDER IS REDUCED. IT SHALL BE PLACED 500 FT UPSTREAM OF THE FIRST DRUM.
 - WHEN MERGING BARRIER INTO AN EXISTING RAIL SYSTEM, CARE SHOULD BE TAKEN NOT TO TERMINATE THE BARRIER WITHIN THE ATTENUATION LENGTH OF AN EXISTING ATTENUATING TERMINAL. EITHER SHIELD TERMINAL WITH BARRIER OR MERGE WITH THE RAIL SYSTEM DOWNSTREAM OF THE TERMINAL SO THAT IT WILL FUNCTION PROPERLY IF HIT.
 - BARRIER MUST BE INSTALLED ON SLOPES 1:10 OR FLATTER. 1:10 SLOPE MUST EXTEND A MINIMUM OF 18" BEHIND T.C.B. IF A 1:10 SLOPE DOESN'T EXIST, CONTRACTOR SHALL PLACE ITEM 304.12 TO ACHIEVE PROPER CROSS SLOPE A.O.B.E. AT THE END OF CONSTRUCTION ANY SUBBASE PLACED SHALL BE REMOVED AND THE DISTURBED AREA REGRADED AND SEEDED. WORK TO BE PAID FOR UNDER ITEMS 203.02, 610.1402 AND 610.1601
 - WHEN TERMINATING THE APPROACH END OF TEMPORARY CONCRETE BARRIER (TCB) IN AREAS WITH A POSTED SPEED LIMIT OF 45 MPH OR HIGHER, AN APPROVED TEMPORARY IMPACT ATTENUATOR (REDIRECTIVE) SHALL BE USED WHEN THE BLUNT END OF THE TBC IS LESS THAN 12'-0" FROM THE WZTC EDGE OF TRAVELED WAY.
 - IF OFFSET FROM EDGE OF TRAVEL LANE TO LAST FULL HEIGHT SECTION OF BARRIER IS 12' OR GREATER A TAPERED END SECTION SHOULD BE USED INSTEAD OF TEMPORARY ATTENUATION.
 - SHOULD SITE ACCESS NOT BE AVAILABLE FROM THE DOWNSTREAM END OF THE WORK SPACE, ACCESS MAY BE PROVIDED BETWEEN APPROVED TEMPORARY ATTENUATOR (OR TAPERED END SECTION, WHEN ALLOWED) AND THE EXISTING RAIL/BARRIER. ACCESS OPENING SHOULD BE MINIMIZED A.O.B.E. BARRIER SHALL EXTEND 360' PRIOR TO THE WORK SPACE.
 - FOR GUIDE RAIL REMOVAL FOR WORK SPACE ACCESS IN MEDIAN, SET UP SHALL BE A MIRROR IMAGE OF ABOVE DETAIL. SHOULDER CLOSED SIGN SHALL BE LOCATED IN THE MEDIAN AND READ "LEFT SHOULDER CLOSED" (W21-5dL) AND "LEFT SHOULDER CLOSED AHEAD" (W21-bL).
 - ALL RESTORED RAIL MUST MEET CURRENT STANDARDS.
 - SEE TABLE 619-05 OF STANDARD SPECIFICATION SECTION 619 FOR DEFLECTION DISTANCES.

ITEM	DESCRIPTION	UNIT
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
619.1706--25	LINEAR DELINEATION SYSTEM	LF

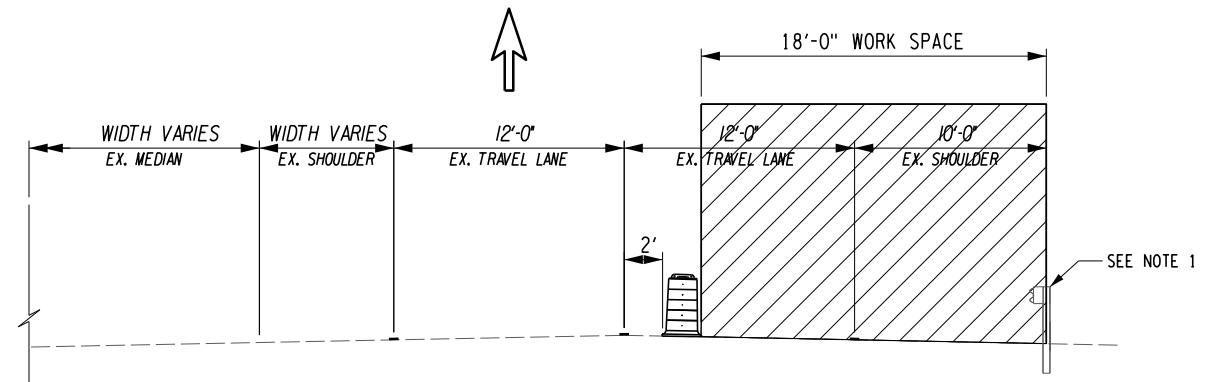
ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

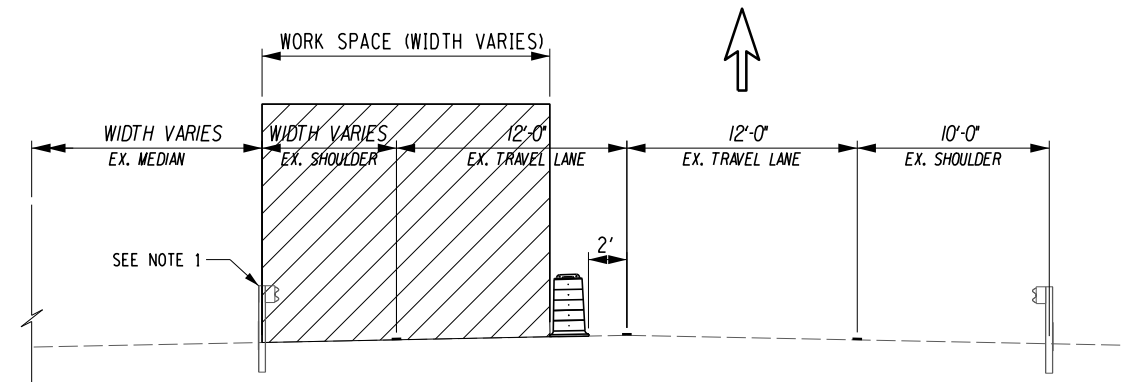
 	TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL DETAILS	DRAWING NUMBER: WZD-01	

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



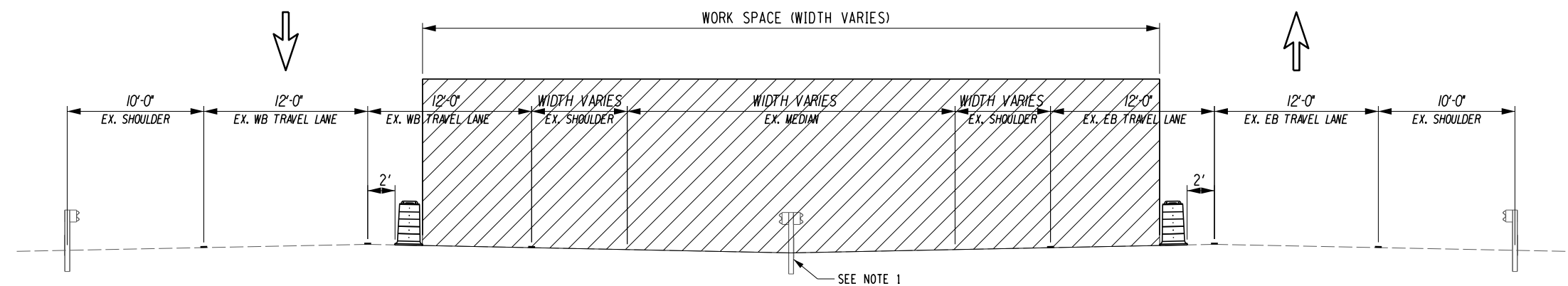
**RIGHT LANE CLOSURE
2 LANE SECTION**

APPLICABLE FOR:
 MP B3.7 (EB), MP B21.4 (EB), MP 164.1 (WB & EB), MP 167.7 (WB & EB),
 MP 181.2 (WB & EB), MP 186.1 (WB & EB), MP 197.3 (WB & EB),
 MP 141.5 POND A (SB)



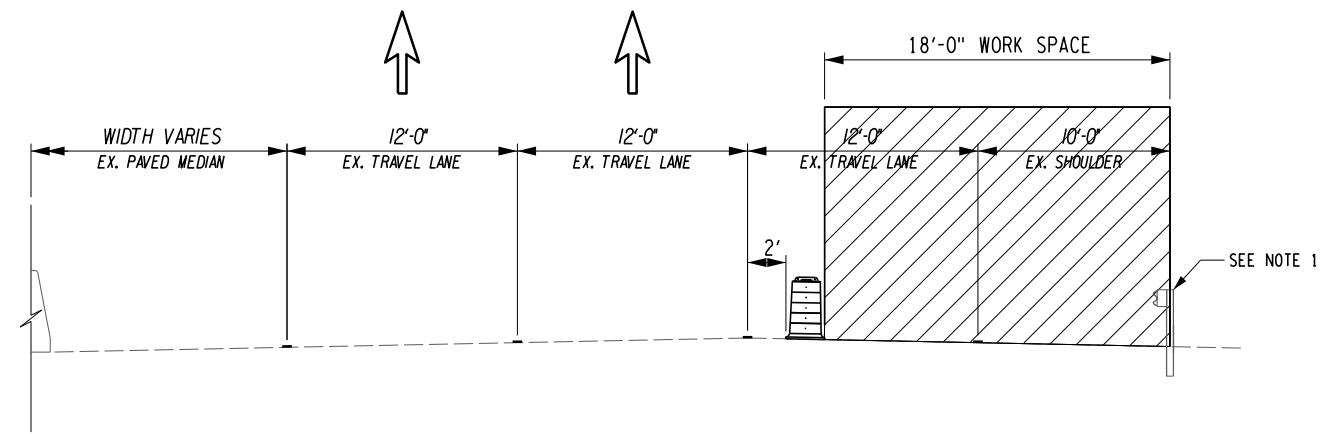
**LEFT LANE CLOSURE
2 LANE SECTION**

APPLICABLE FOR:
 MP 91.4 (SB), MP B3.7 (EB), MP B21.4 (EB), MP 167.7 (WB)



**LEFT LANE CLOSURES
2 LANE SECTION
FOR MEDIAN ACCESS**

APPLICABLE FOR:
 MP 174.7, MP 186.1



**RIGHT LANE CLOSURE
3 LANE SECTION**

APPLICABLE FOR:
 MP 142.5 POND D, MP 143.1 POND E, MP 143.8 POND F, MP 144.2 POND G,
 MP 144.6 POND H-1, MP 144.7 POND H-2, MP 145.1 POND I-1, MP 145.3 POND I-2,
 MP 145.5 POND J, MP 146.9 POND M, MP 147.1 POND N

- NOTES:
- REFER TO TABLE ON DWG. WZT-01 FOR ITEMS AND LIMITS OF GUIDE RAILING WORK.
 - REFER TO TABLE ON DWG WZT-02 FOR WORK ZONE TRAFFIC CONTROL SUMMARIES BY SITE.

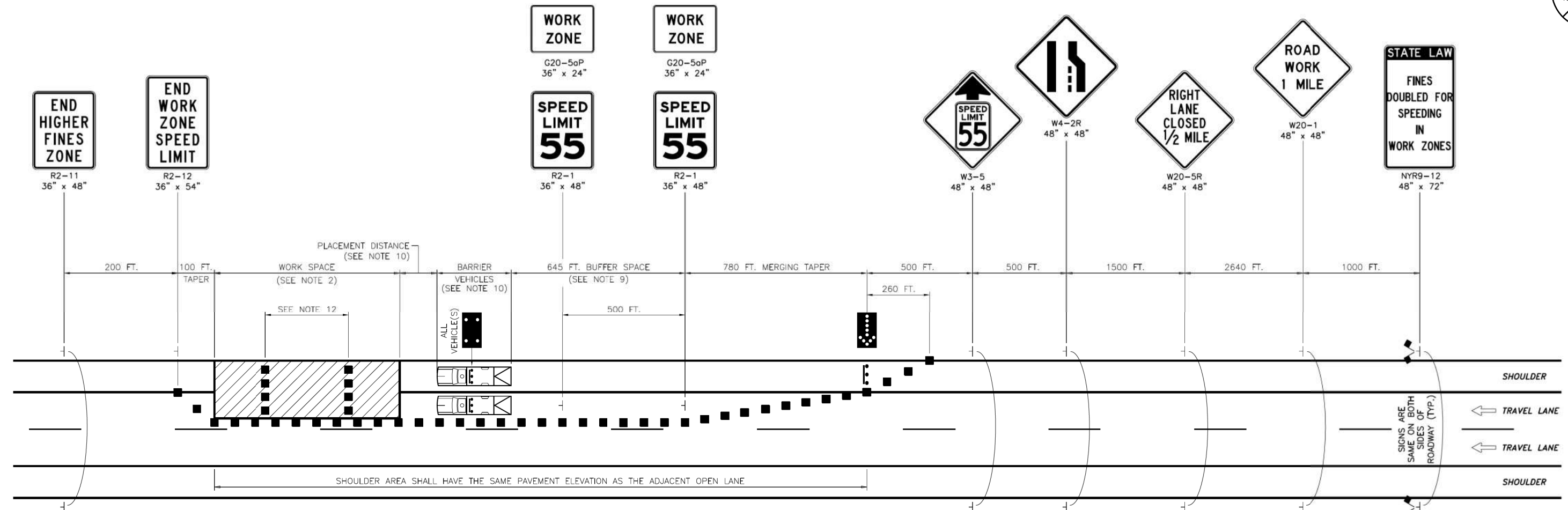
ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL TYPICAL SECTIONS	DRAWING NUMBER: WZD-02

PW:7
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



SINGLE LANE CLOSURE
SHORT OR INTERMEDIATE TERM
STATIONARY - 65 MPH ZONE
 NOT TO SCALE

APPLICABLE FOR:
 MP 91.4 (SB, LT), MP B3.7 (EB, LT&RT), MP B21.4 (EB, LT&RT),
 MP 164.1 (WB & EB, RT), MP 167.7 (WB LT&RT, EB RT), MP 174.7 (WB & EB, LT),
 MP 181.2 (WB & EB, RT), MP 186.1 (WB & EB, LT&RT), MP 197.3 (WB & EB, RT),
 MP 141.5 POND A (SB, RT)

NOTES:

- THIS PLAN APPLIES TO TWO-, THREE-, FOUR-, AND FIVE-LANE SECTIONS.
- THE MAXIMUM LENGTH OF ANY CONTINUOUS WORK SPACE SHALL NOT EXCEED 3 MILES (2 MILES FOR MILLING AND PAVING OPERATIONS). ALL TRAFFIC SHALL BE RE-ESTABLISHED TO ITS NORMAL LANE CONFIGURATION FOR A MINIMUM OF 2 MILES PRIOR TO A SUCCESSIVE LANE CLOSURE. (THE SEPARATION BETWEEN SUCCESSIVE LANE CLOSURES IS MEASURED FROM THE LAST SIGN OF THE FIRST LANE CLOSURE TO THE BEGINNING OF THE MERGING TAPER OF THE SECOND LANE CLOSURE).
- THE PLAN SHOWN IS FOR A STATIONARY RIGHT LANE CLOSURE. FOR A STATIONARY LEFT LANE CLOSURE, SUBSTITUTE "LEFT LANE CLOSED 1/2 MILE" SIGN (W20-5L) FOR THE "RIGHT LANE CLOSED 1/2 MILE" SIGN (W20-5R) AND LEFT LANE ENDS SYMBOL SIGN (W4-2L) FOR THE RIGHT LANE ENDS SYMBOL SIGN (W4-2R). THE STATIONARY LEFT LANE CLOSURE PLAN SHALL BE THE MIRROR IMAGE OF THE PLAN SHOWN WITH THE EXCEPTION THAT THE "WORK ZONE/SPEED LIMIT 55" SIGNS (G20-5aP/R2-1) SHALL BE INSTALLED ON THE RIGHT SIDE OF THE ROADWAY.
- FOR A STATIONARY LANE CLOSURE IN AN AREA WHERE THE USABLE LEFT SHOULDER/MEDIAN WIDTH IS LESS THAN 6 FEET, LEFT SIDE SIGNS SHALL BE MOUNTED ON THE MEDIAN BARRIER. IF THE TOTAL MEDIAN WIDTH IS LESS THAN 6 FEET, LEFT SIDE SIGNS SHALL NOT BE REQUIRED.
- ON ROADWAY SECTIONS WHERE THE USABLE SHOULDER IS LESS THAN 8 FEET, A MOBILE LANE CLOSURE PLAN SHALL BE USED TO INSTALL AND REMOVE TEMPORARY TRAFFIC CONTROL DEVICES. THE SAME SHALL ALSO APPLY WHEN COVERING AND UNCOVERING PREVIOUSLY INSTALLED SIGNS.
- WHEN TRAFFIC IS REDUCED TO A SINGLE LANE, THE "WORK ZONE/SPEED LIMIT 55" SIGNS (G20-5aP/R2-1) SHALL BE INSTALLED ON THE RIGHT SIDE OF THE ROADWAY ONLY. IF MULTIPLE LANES ARE OPEN TO TRAFFIC, THE SIGNS SHALL BE INSTALLED ON BOTH SIDES OF THE ROADWAY.
- WHEN THE DISTANCE BETWEEN THE SECOND "WORK ZONE/SPEED LIMIT 55" SIGN (G20-5aP/R2-1) AND THE END OF THE WORK SPACE EXCEEDS 1/2 MILE, ADDITIONAL "WORK ZONE/SPEED LIMIT 55" SIGNS (G20-5aP/R2-1) SHALL BE INSTALLED ON THE RIGHT SIDE OF THE OPEN TRAVEL LANE, OR BOTH SIDES OF MULTIPLE OPEN TRAVEL LANES, TO MAINTAIN A MAXIMUM SPACING OF 1/2 MILE.
- IN ADDITION TO THE SIGNING SHOWN, "ROAD WORK AHEAD" (W20-1) AND "WORK ZONE/SPEED LIMIT 55" SIGNS (G20-5aP/R2-1) SHALL BE PLACED ALONG ANY ENTRANCE RAMP THAT TERMINATES WITHIN THE WORK ZONE TRAFFIC CONTROL LIMITS. THE LOCATION OF THESE SIGNS SHALL BE DETERMINED BY THE ENGINEER.
- THE LENGTH OF THE BUFFER SPACE SHALL BE EXTENDED, AS ORDERED BY THE ENGINEER, TO ENSURE ADEQUATE SIGHT DISTANCE FOR VEHICLES APPROACHING THE LANE CLOSURE TAPER. IN CASES WHERE RESTRICTIVE FEATURES ARE PRESENT, A REDUCTION IN THE BUFFER SPACE LENGTH MAY BE PERMITTED WITH THE APPROVAL OF THE ENGINEER.
- BARRIER VEHICLES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 OF THE STANDARD SPECIFICATIONS. FOR BARRIER VEHICLE USE AND PLACEMENT REQUIREMENTS, SEE TABLES NY1-A AND NY2-A ON NYSTA STANDARD SHEET 619-01 - WORK ZONE TRAFFIC CONTROL TABLES AND LEGEND.
- EXISTING PAVEMENT MARKINGS SHALL BE MAINTAINED BY THE CONTRACTOR WITHIN THE WORK ZONE TRAFFIC CONTROL LIMITS.
- IN LONG WORK SPACES (1500 FEET AND GREATER), TWO DRUMS, TWO TALL CONES, OR TWO OVERSIZED VERTICAL PANELS SHALL BE PLACED TRANSVERSELY ACROSS EACH CLOSED LANE (AND SHOULDER IS WIDTH IS 8 FEET OR GREATER) AT MAXIMUM INTERVALS OF 800 FEET. IN ADDITION, TWO DRUMS, TWO TALL CONES, OR TWO OVERSIZED VERTICAL PANELS SHALL BE SIMILARLY PLACED IN ADVANCE OF ANY TRANSVERSE DROP-OFF OF 1 1/2 INCHES OR GREATER.

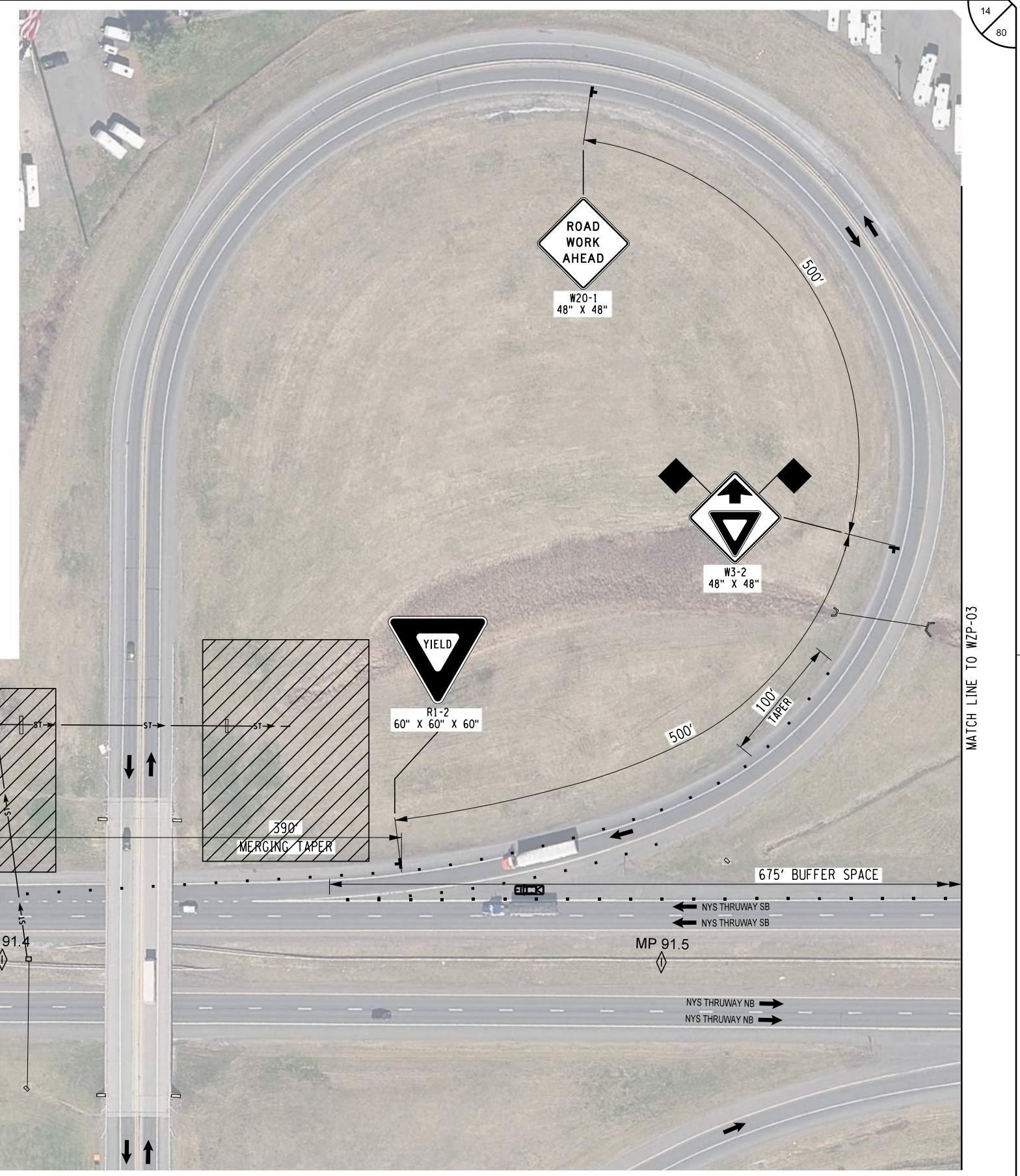
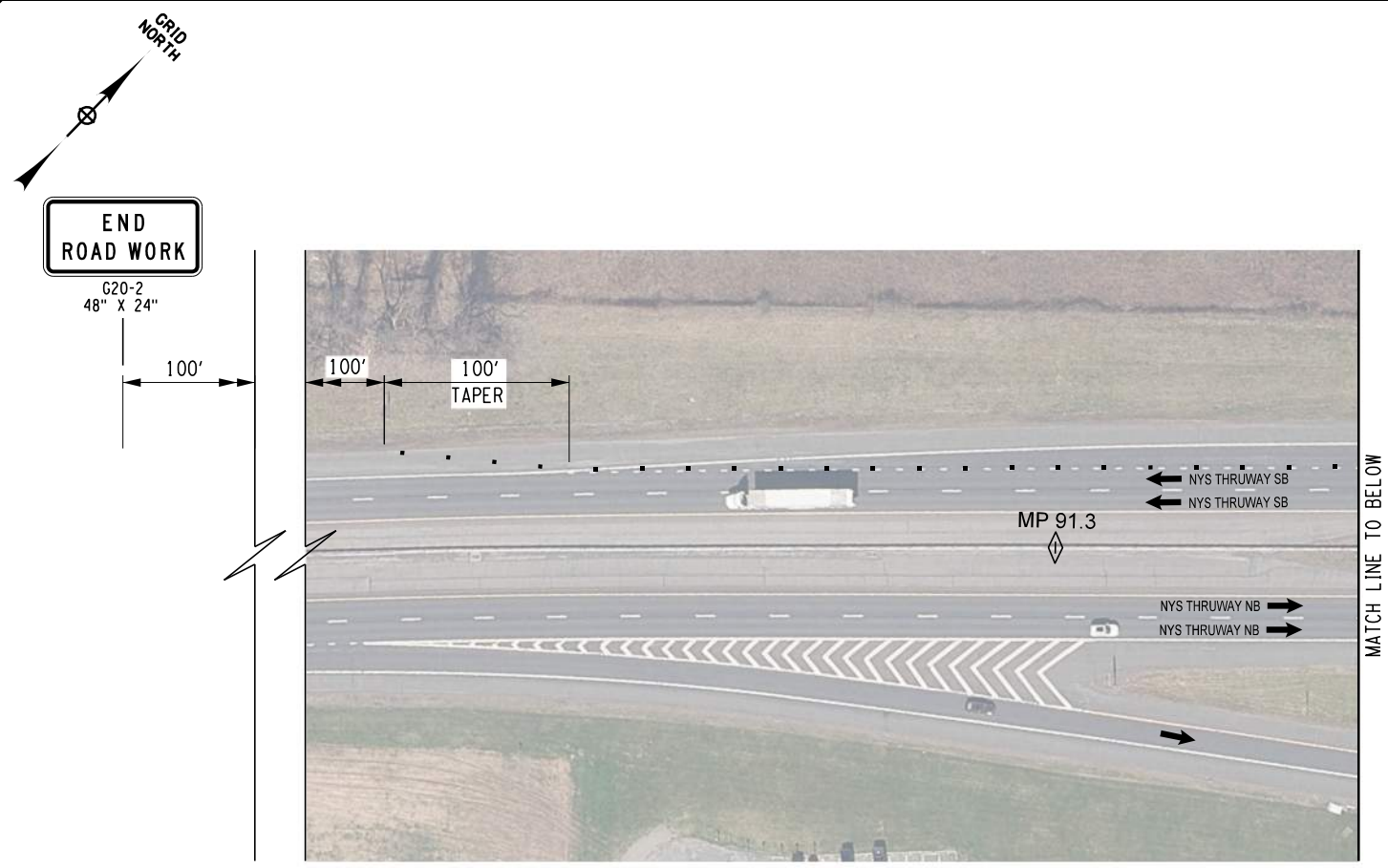
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REVISIONS			
DATE	DESCRIPTION	BY	SYML

TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL SINGLE LANE CLOSURE	DRAWING NUMBER: WZP-01

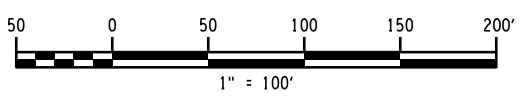
ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICES
- CONSTRUCTION SIGN
- CONSTRUCTION SIGN FACE
- M.U.T.C.D. DESIGNATION

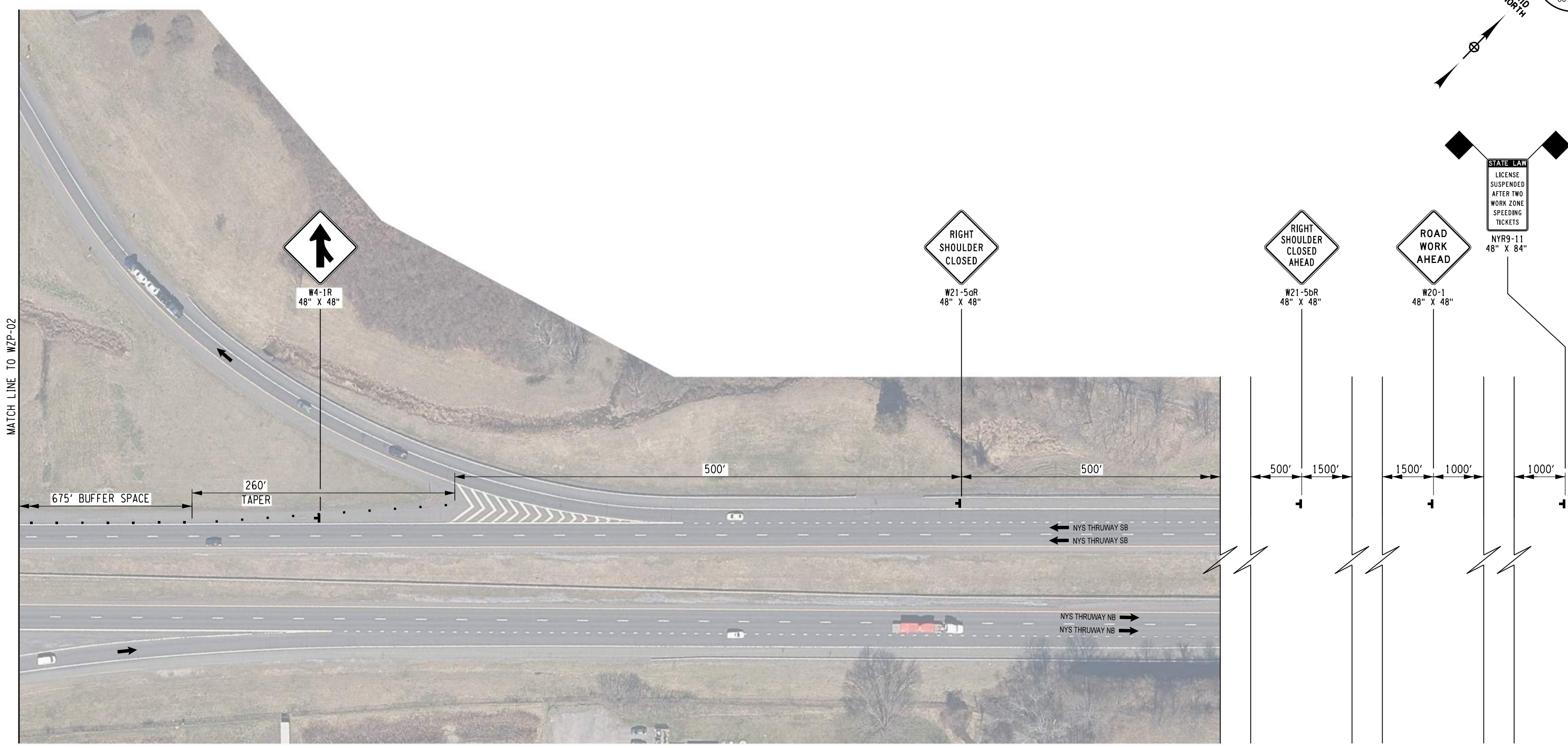


ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 09/24/2025
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

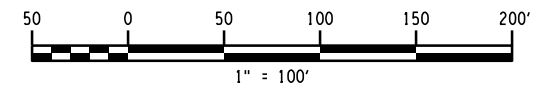
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	TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 91.4	



STATE LAW
LICENSE
SUSPENDED
AFTER TWO
WORK ZONE
SPEEDING
TICKETS
NYR9-11
48" X 84"

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICES
- CONSTRUCTION SIGN
- CONSTRUCTION SIGN FACE
- M.U.T.C.D. DESIGNATION



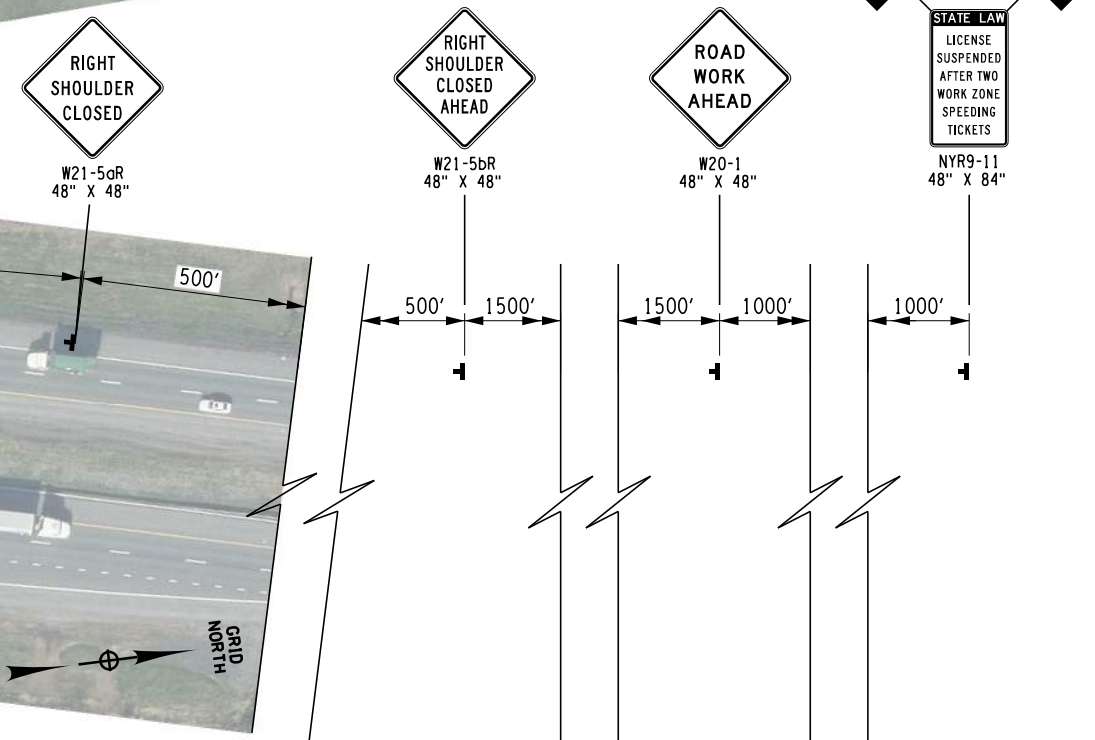
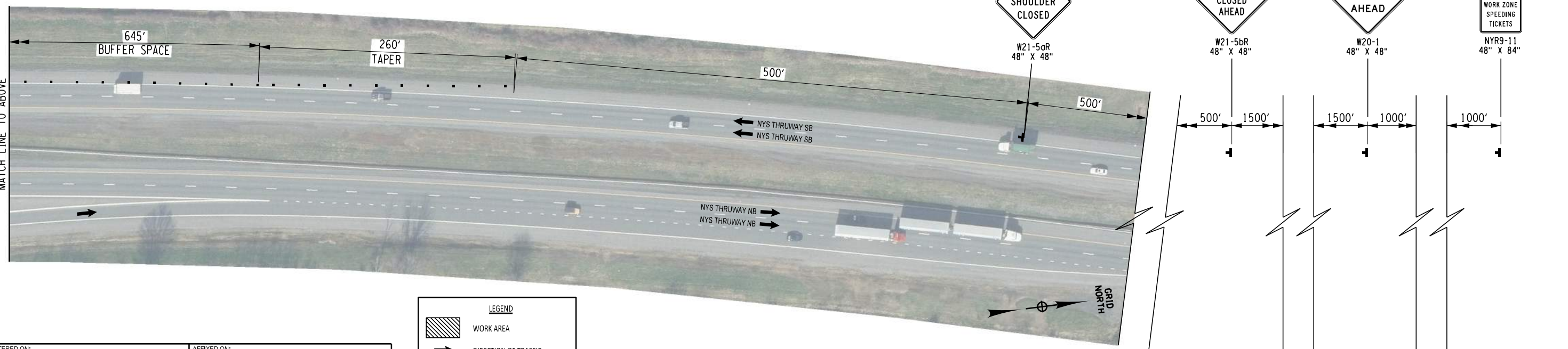
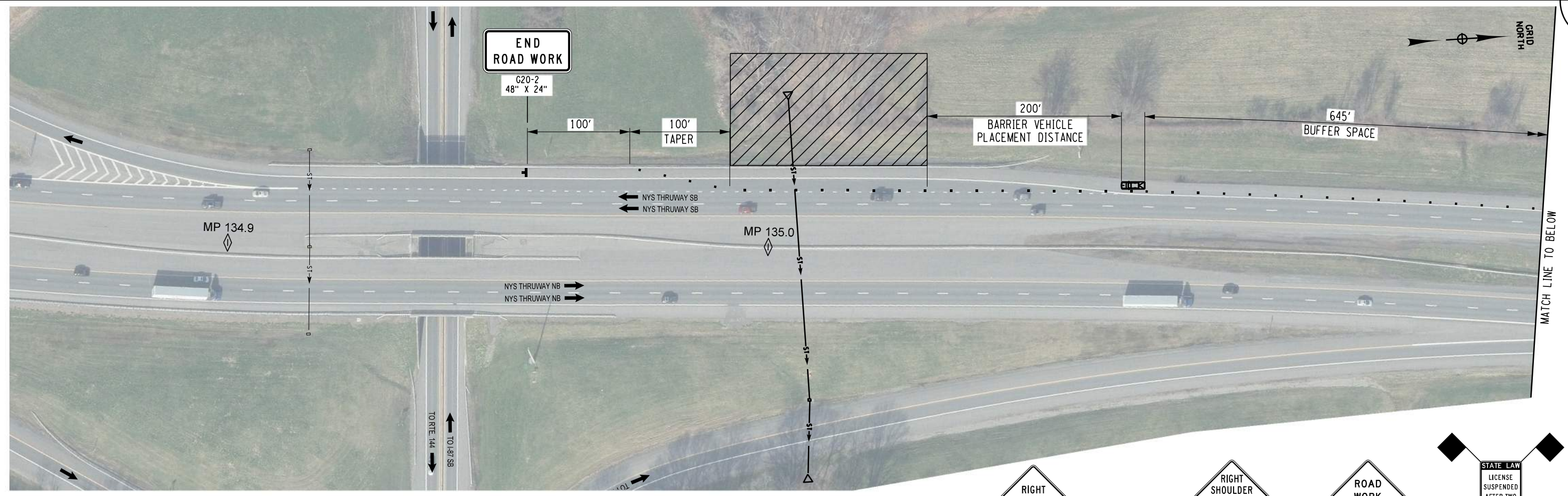
ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYML

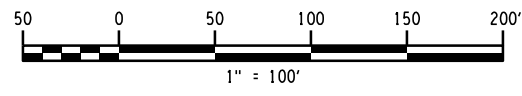
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	LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 91.4	DRAWING NUMBER: WZP-03

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



LEGEND

	WORK AREA
	DIRECTION OF TRAFFIC
	CHANNELIZING DEVICES
	CONSTRUCTION SIGN
	CONSTRUCTION SIGN FACE
W20-1	M.U.T.C.D. DESIGNATION



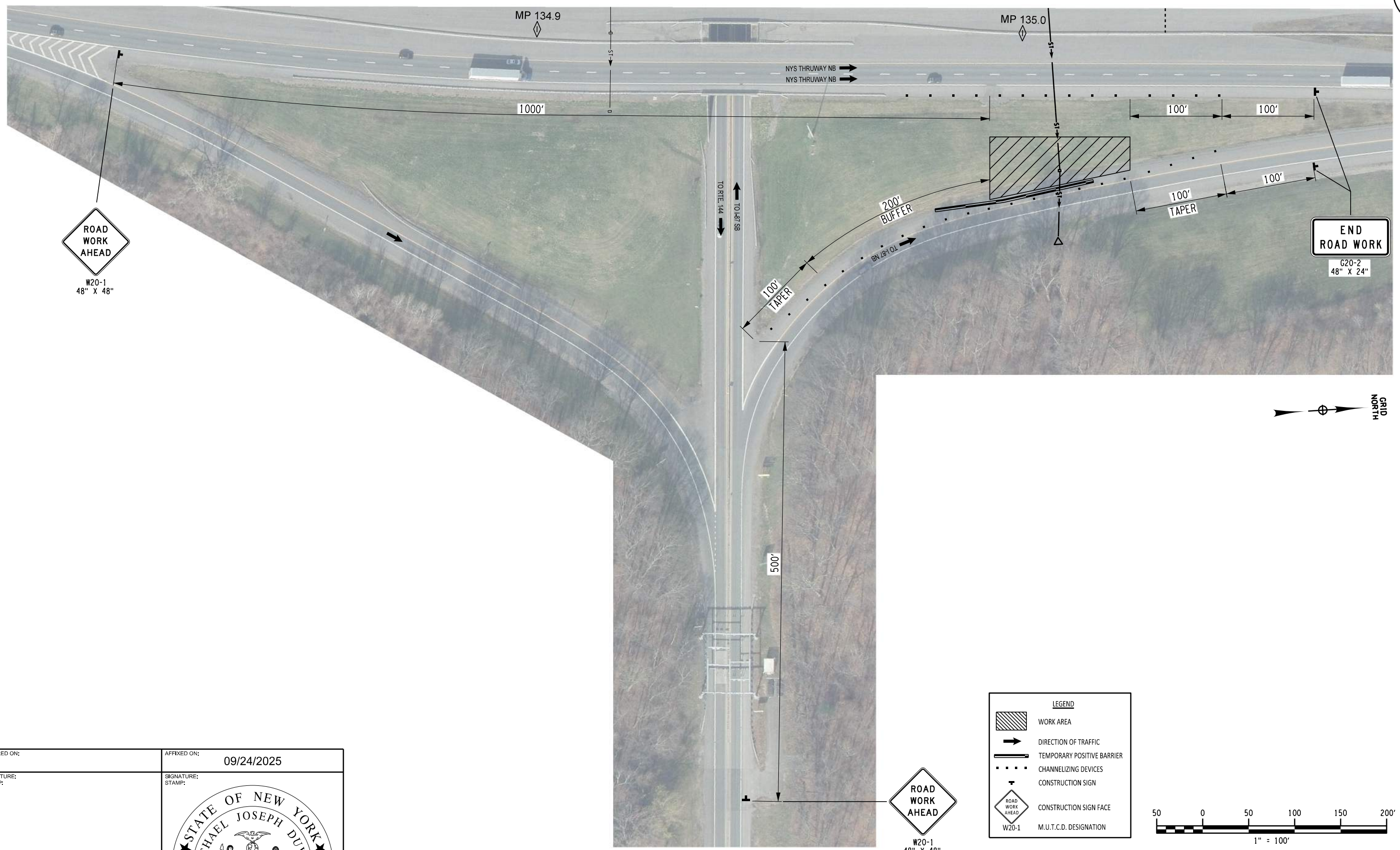
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 134.9 PHASE I	DRAWING NUMBER: WZP-04

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

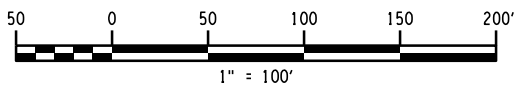


ROAD WORK AHEAD
W20-1
48" X 48"

END ROAD WORK
G20-2
48" X 24"

ROAD WORK AHEAD
W20-1
48" X 48"

LEGEND	
	WORK AREA
	DIRECTION OF TRAFFIC
	TEMPORARY POSITIVE BARRIER
	CHANNELIZING DEVICES
	CONSTRUCTION SIGN
	CONSTRUCTION SIGN FACE
	M.U.T.C.D. DESIGNATION



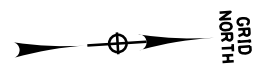
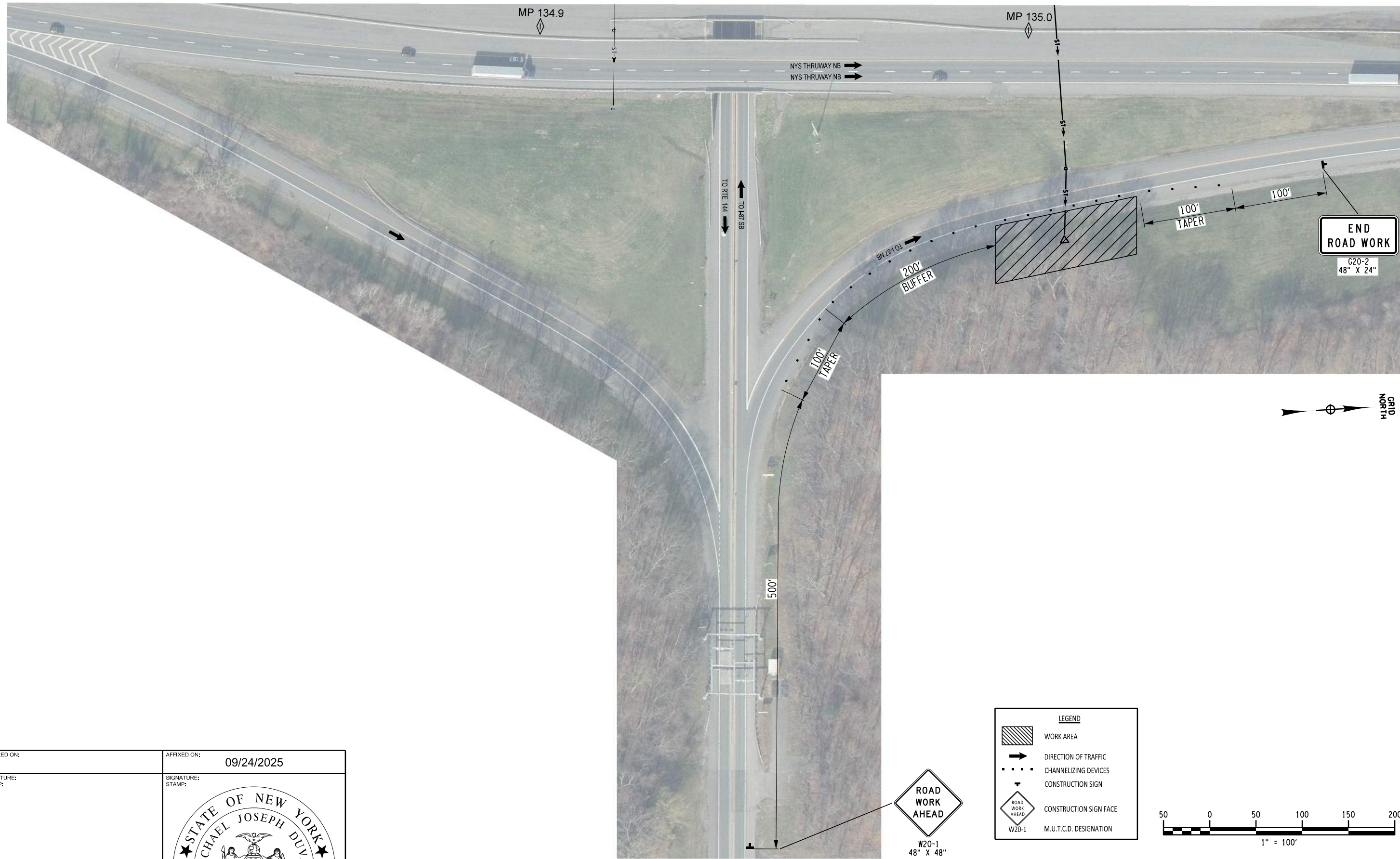
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REVISIONS			
DATE	DESCRIPTION	BY	SYL

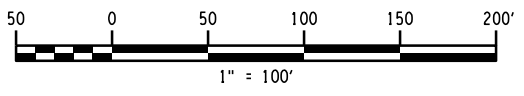


TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 134.9 PHASE II	DRAWING NUMBER: WZP-05



LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICES
- CONSTRUCTION SIGN
- CONSTRUCTION SIGN FACE
- M.U.T.C.D. DESIGNATION



ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

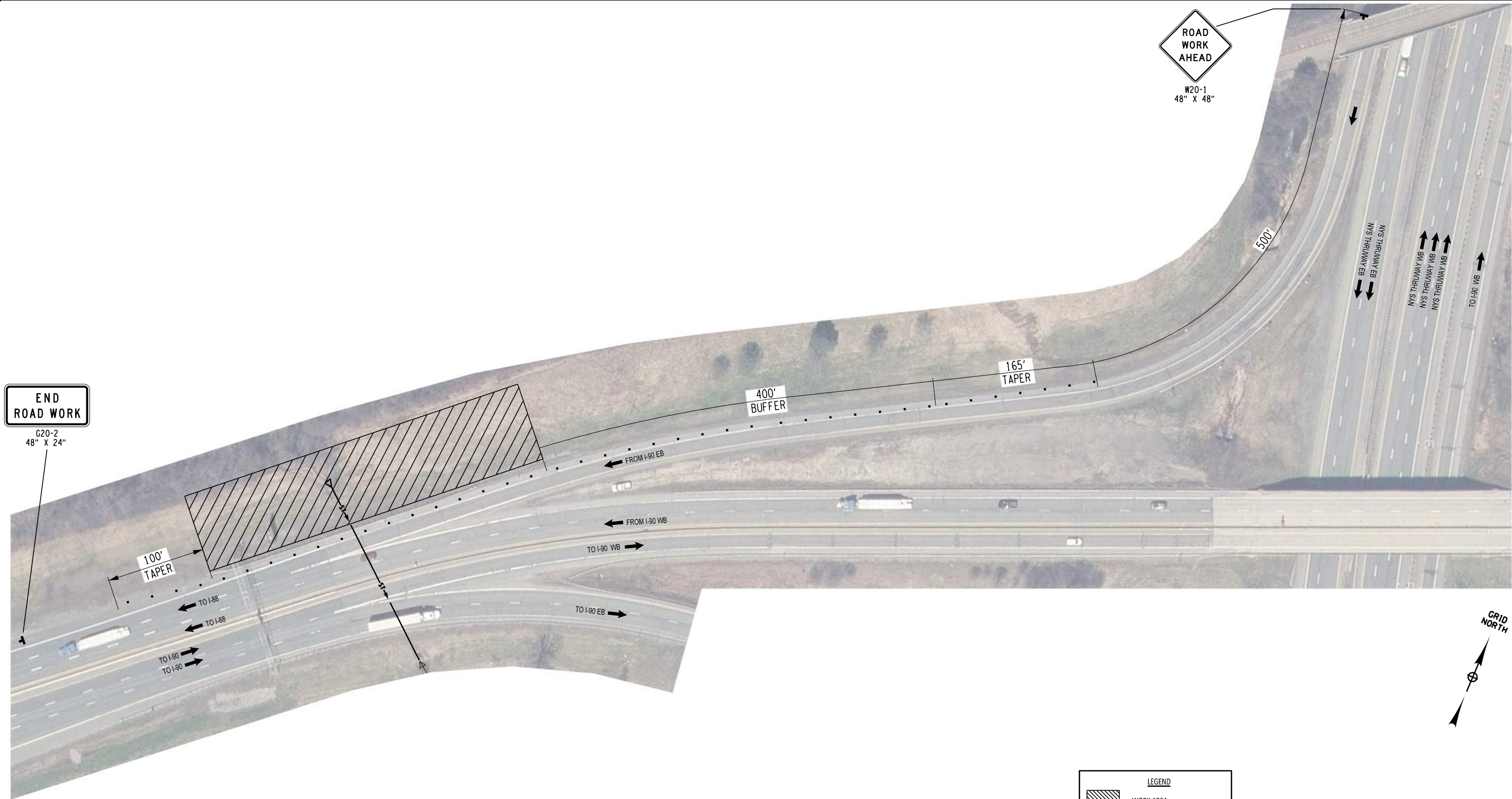
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REVISIONS			
DATE	DESCRIPTION	BY	SYML



TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 134.9 PHASE III	DRAWING NUMBER: WZP-06

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



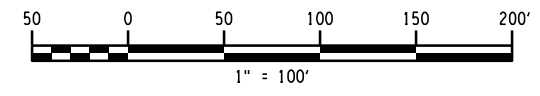
ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYL

LEGEND

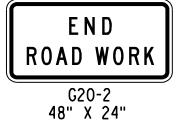
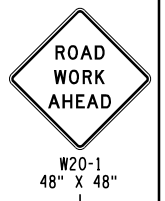
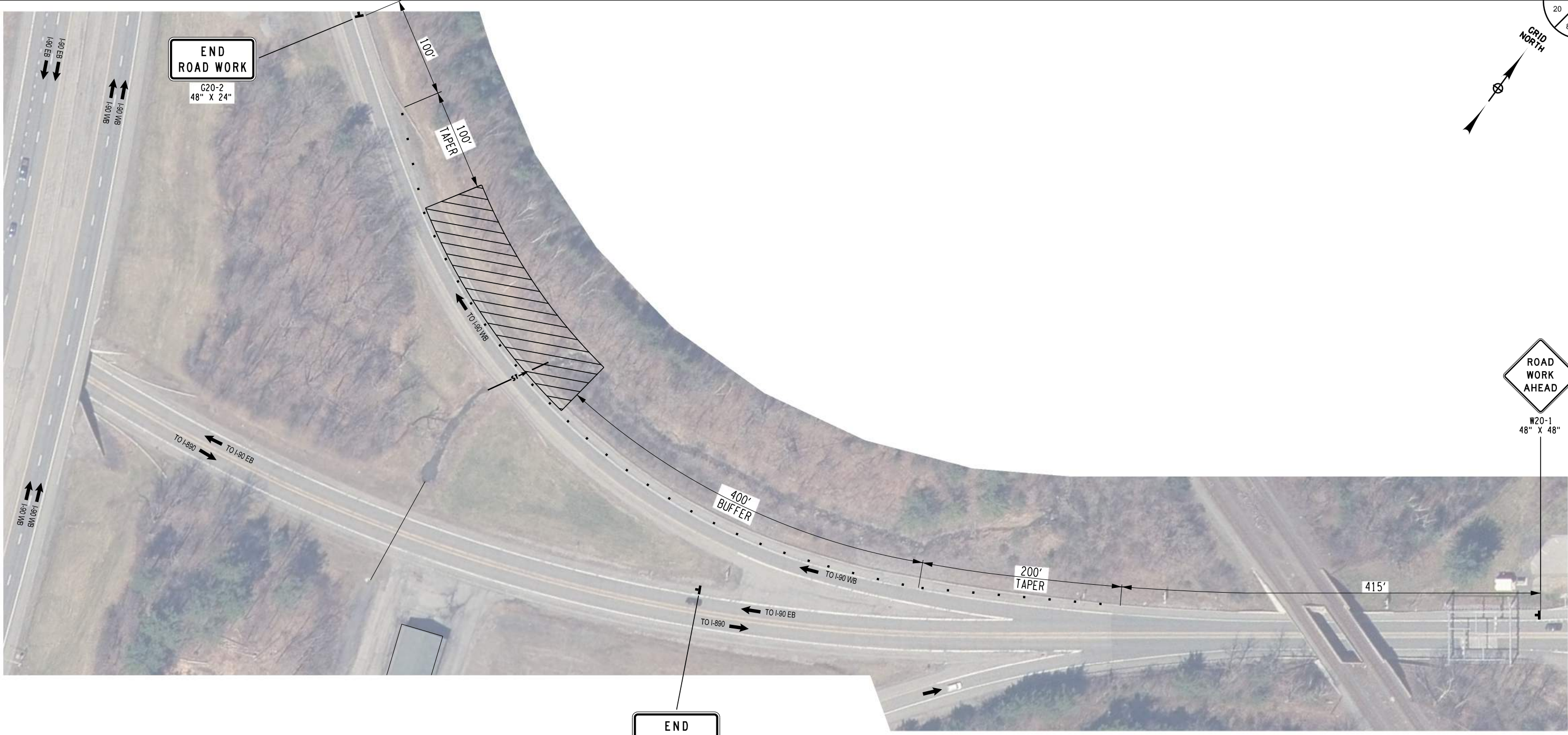
- WORK AREA
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICES
- CONSTRUCTION SIGN
- CONSTRUCTION SIGN FACE
- M.U.T.C.D. DESIGNATION



LaBella
Powered by partnership.

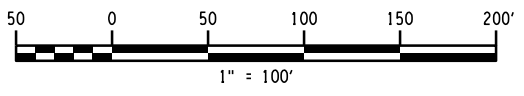
TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 158.8	DRAWING NUMBER: WZP-07


PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICES
- CONSTRUCTION SIGN
- CONSTRUCTION SIGN FACE
- M.U.T.C.D. DESIGNATION



ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYML



TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 162.2 PHASE I	DRAWING NUMBER: WZP-08

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

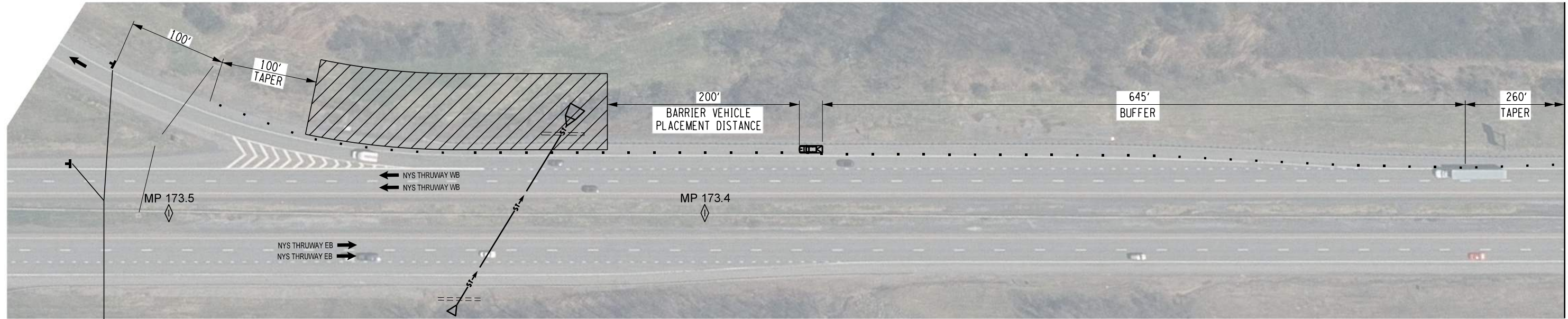
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYML

LEGEND	
	WORK AREA
	DIRECTION OF TRAFFIC
	CHANNELIZING DEVICES
	CONSTRUCTION SIGN
	CONSTRUCTION SIGN FACE
W20-1	M.U.T.C.D. DESIGNATION

	<p>LaBella Powered by partnership.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK</td> <td style="font-size: 8px;">CONTRACT NUMBER: TAA 25-23</td> </tr> <tr> <td style="font-size: 8px;">LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-</td> <td style="font-size: 8px;">DATE: 09/2025</td> </tr> <tr> <td style="font-size: 8px;">TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 162.2 PHASE II</td> <td style="font-size: 8px;">DRAWING NUMBER: WZP-09</td> </tr> </table>	TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23	LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025	TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 162.2 PHASE II	DRAWING NUMBER: WZP-09
TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23							
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025							
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 162.2 PHASE II	DRAWING NUMBER: WZP-09							

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



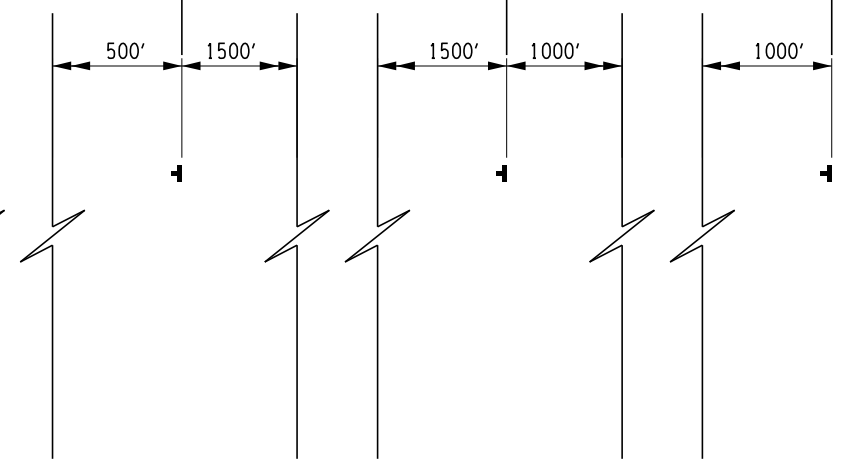
END ROAD WORK
G20-2
48" X 24"

RIGHT SHOULDER CLOSED
W21-5cR
48" X 48"

RIGHT SHOULDER CLOSED AHEAD
W21-5bR
48" X 48"

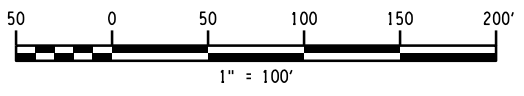
ROAD WORK AHEAD
W20-1
48" X 48"

STATE LAW
LICENSE SUSPENDED AFTER TWO WORK ZONE SPEEDING TICKETS
NYR9-11
48" X 84"



LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICES
- CONSTRUCTION SIGN
- CONSTRUCTION SIGN FACE
- W20-1 M.U.T.C.D. DESIGNATION



ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYML

	TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 173.4 PHASE I		DRAWING NUMBER: WZP-10

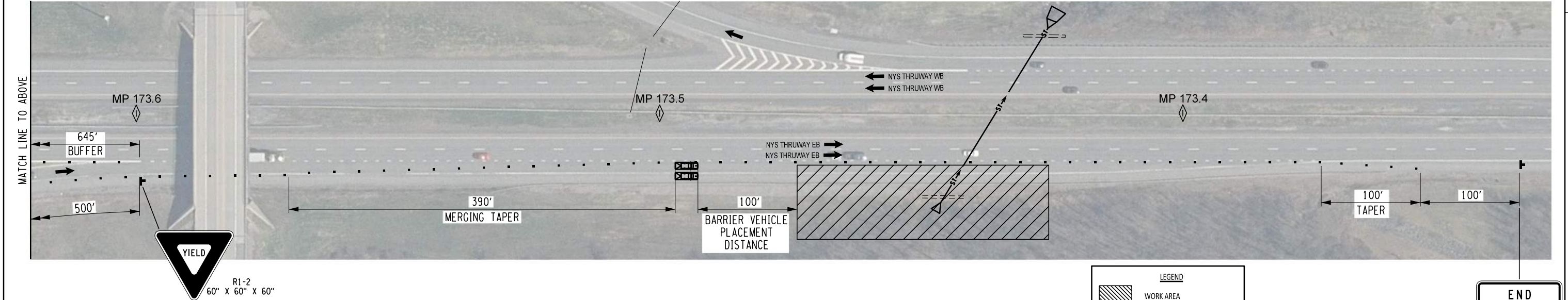
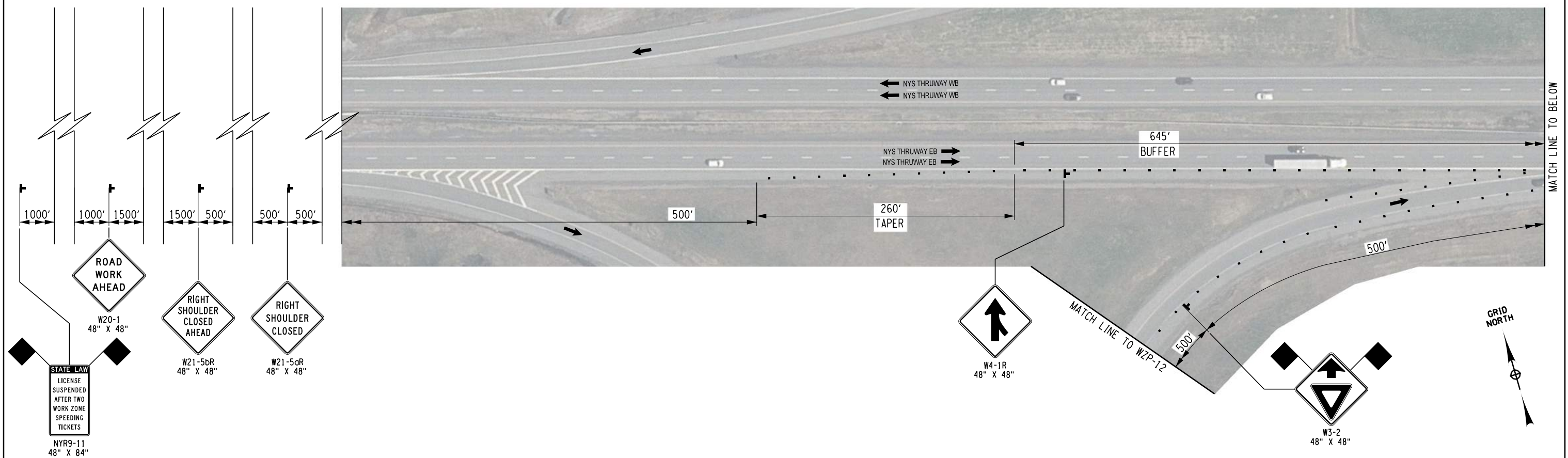
CHECKED BY: R. BENNETT

DRAFTED BY: E. ROSENZWEIG

CHECKED BY: M. DUVAL

DESIGNED BY: B. DEHAAN

DESIGN SUPERVISOR: R. BENNETT



ALTERED ON: _____ AFFIXED ON: 09/24/2025

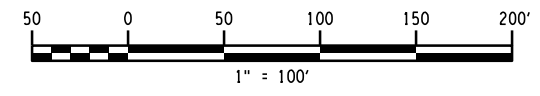
SIGNATURE: _____ SIGNATURE: _____
 STAMP: _____ STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICES
- CONSTRUCTION SIGN
- CONSTRUCTION SIGN FACE
- M.U.T.C.D. DESIGNATION



TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK

LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/-
MP B3.7+/- TO MP B21.5+/-

TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 173.4 PHASE II

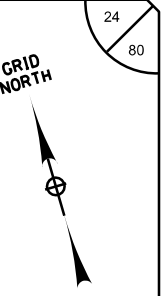
CONTRACT NUMBER: TAA 25-23

DATE: 09/2025

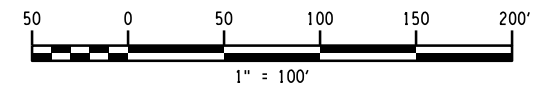
DRAWING NUMBER: WZP-11

END ROAD WORK

G20-2
48" X 24"



LEGEND	
	WORK AREA
	DIRECTION OF TRAFFIC
	CHANNELIZING DEVICES
	CONSTRUCTION SIGN
	CONSTRUCTION SIGN FACE
W20-1	M.U.T.C.D. DESIGNATION



ALTERED ON: _____ AFFIXED ON: 09/24/2025

SIGNATURE: _____ STAMP: _____

SIGNATURE: _____ STAMP: _____



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK
 LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/-, MP B3.7+/- TO MP B21.5+/-
 TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 173.4 PHASE II

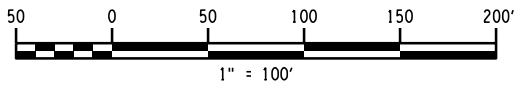
CONTRACT NUMBER: TAA 25-23
 DATE: 09/2025
 DRAWING NUMBER: WZP-12

PW/ R. BENNETT
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICES
- CONSTRUCTION SIGN
- CONSTRUCTION SIGN FACE
- M.U.T.C.D. DESIGNATION



ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 09/24/2025 SIGNATURE:
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

	TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 173.6	DRAWING NUMBER: WZP-13

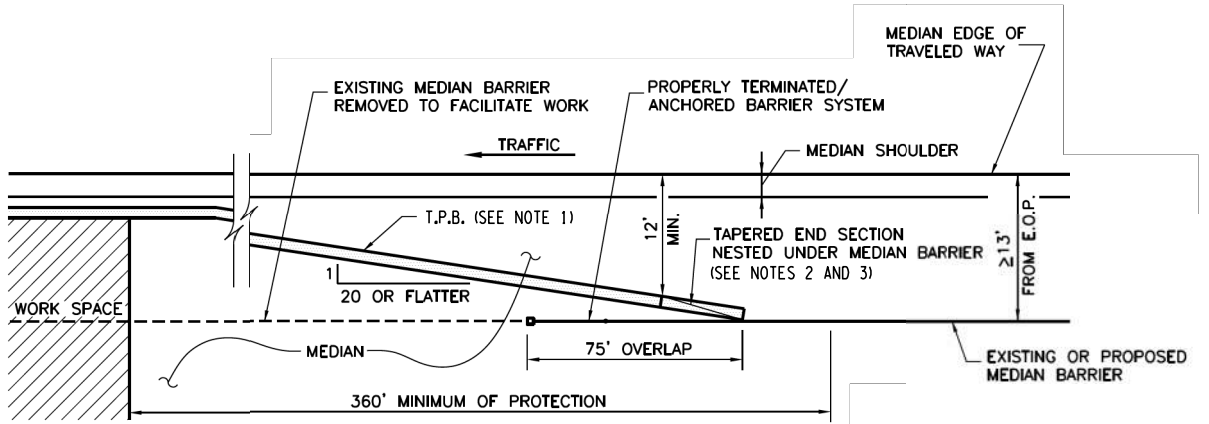
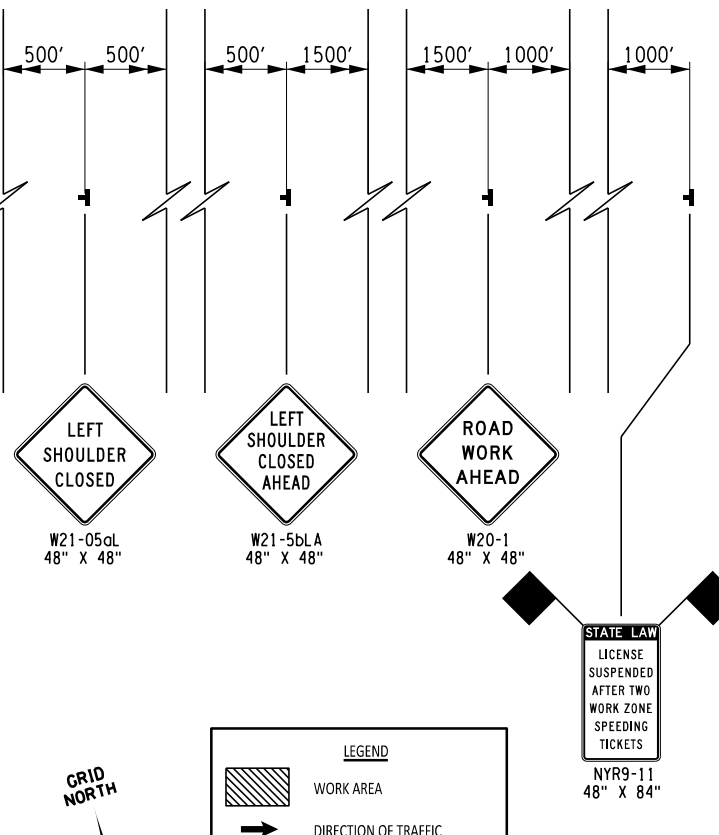
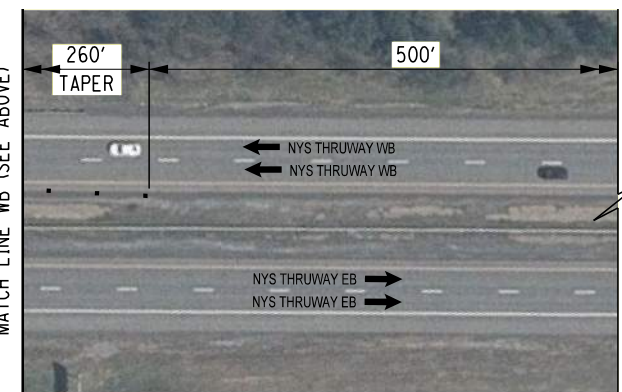
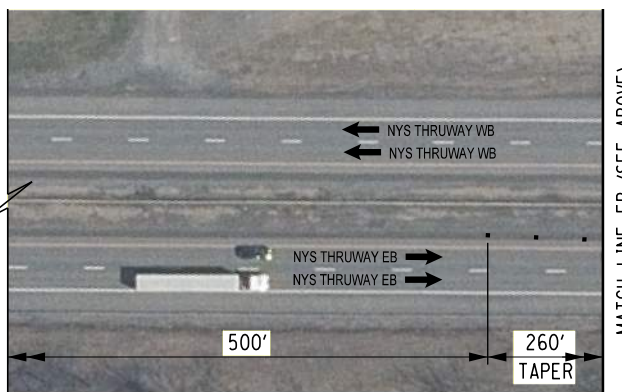
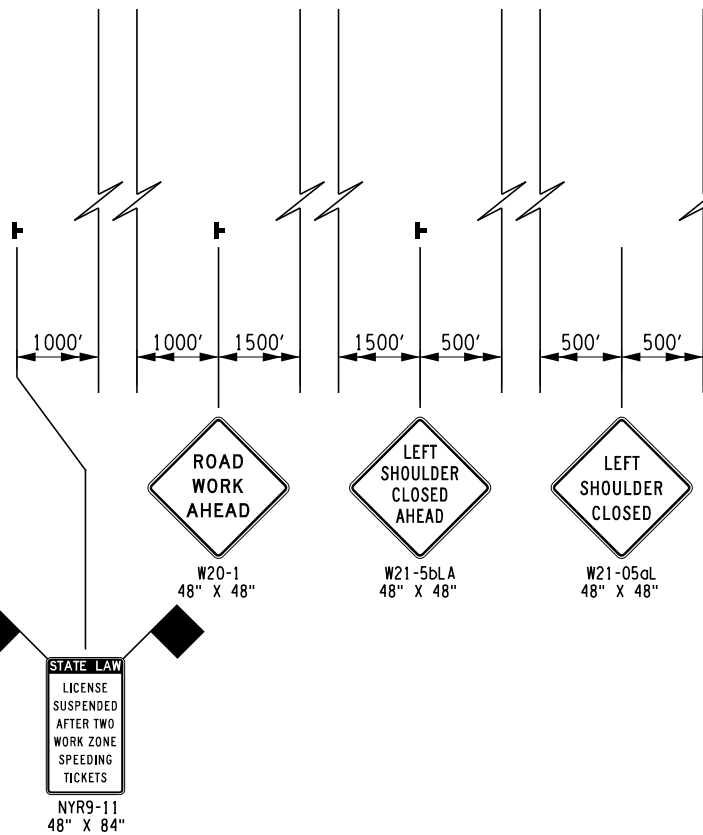
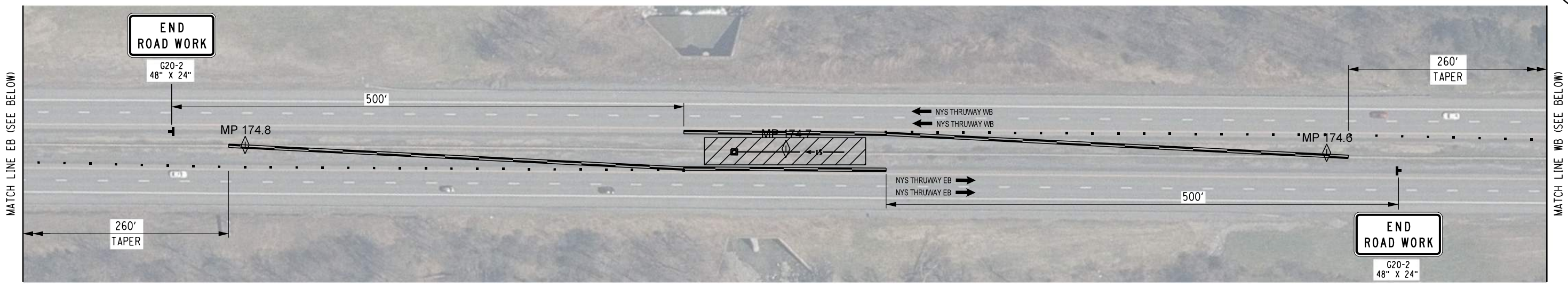
CHECKED BY: R. BENNETT

DRAFTED BY: E. ROSENZWEIG

CHECKED BY: M. DUVAL

DESIGNED BY: B. DEHAAN

DESIGN SUPERVISOR: R. BENNETT



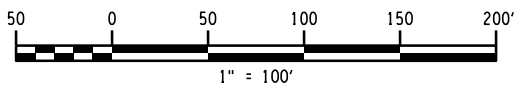
TEMPORARY POSITIVE BARRIER
PROTECTION FOR MEDIAN GUIDE RAIL BREAK
N.T.S.

NOTES:

- TEMPORARY POSITIVE BARRIER MUST BE INSTALLED ON 1:10 SLOPE OR FLATTER FOR A MINIMUM OF EITHER:
 - 3'-3" BEHIND T.P.B. WITH ENDS PINNED
 - 2'-2" BEHIND T.P.B.-BOX BEAM STIFFENED
 - 0'-8" BEHIND T.P.B.-FULLY PINNED
- INSTALL APPROVED ATTENUATOR IN LIEU OF TAPERED END SECTION WHEN <12'.
- SHOULD SITE ACCESS NOT BE AVAILABLE FROM THE DOWNSTREAM END OF THE WORK AREA, ACCESS MAY BE PROVIDED BETWEEN APPROVED TEMPORARY ATTENUATOR (OR TAPERED END SECTION, WHEN ALLOWED) AND THE EXISTING RAIL/BARRIER. ACCESS OPENING SHOULD BE MINIMIZED A.O.B.E.. T.P.B. SHALL EXTEND 360' PRIOR TO THE WORK AREA IN THESE SCENARIOS.
- SEE DWG. WZT-01 FOR GUIDE RAIL TABLE AND REMOVAL LIMITS.

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY POSITIVE BARRIER
- CHANNELIZING DEVICES
- CONSTRUCTION SIGN
- CONSTRUCTION SIGN FACE
- M.U.T.C.D. DESIGNATION



ALTERED ON: _____ AFFIXED ON: 09/24/2025

SIGNATURE: _____ SIGNATURE: _____
STAMP: _____

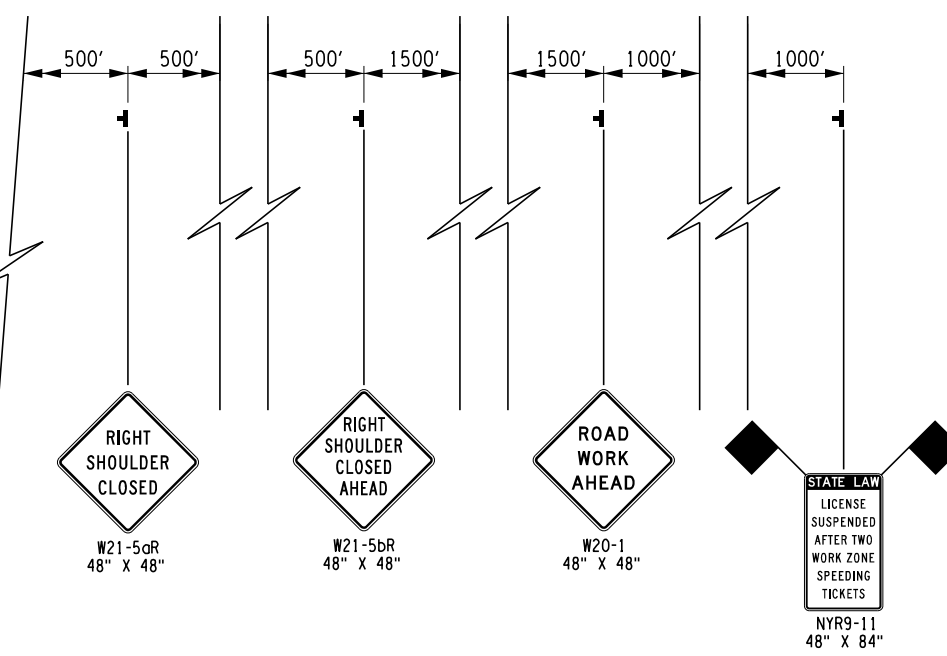
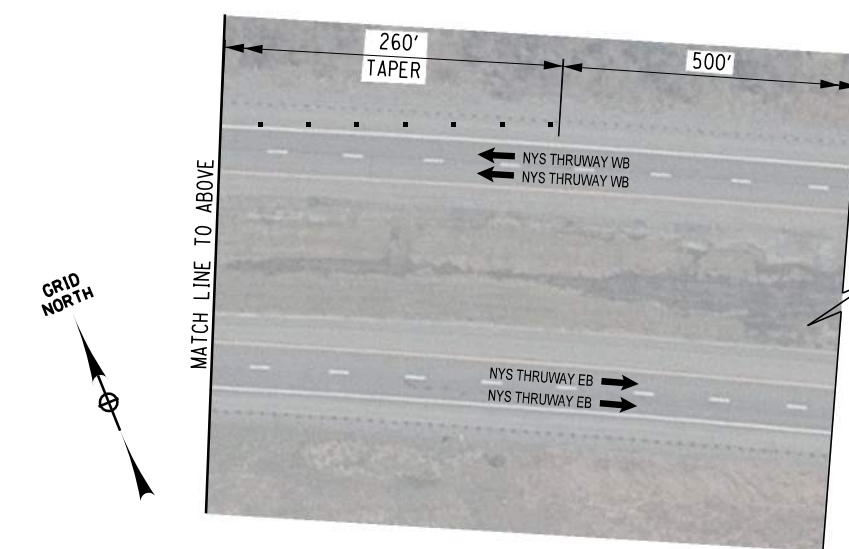
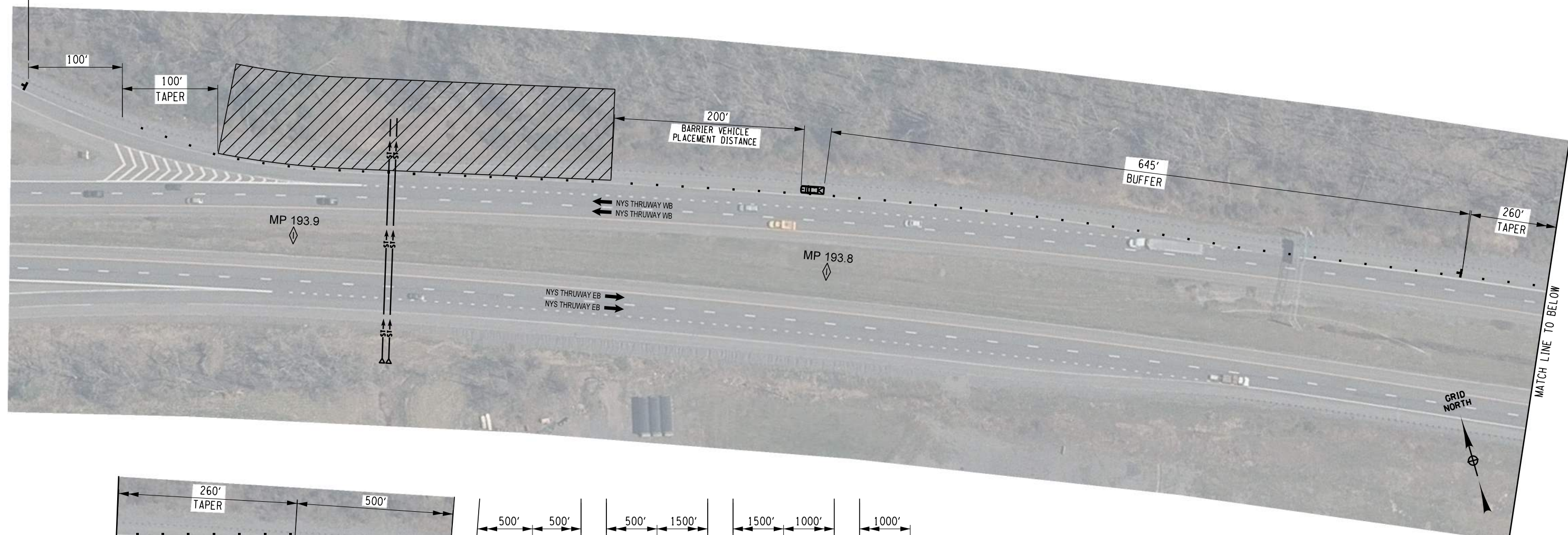
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 174.7	DRAWING NUMBER: WZP-14

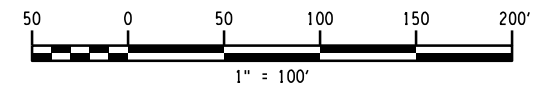
PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

END ROAD WORK
G20-2
48" X 24"



LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- CHANNELIZING DEVICES
- CONSTRUCTION SIGN
- CONSTRUCTION SIGN FACE
- M.U.T.C.D. DESIGNATION



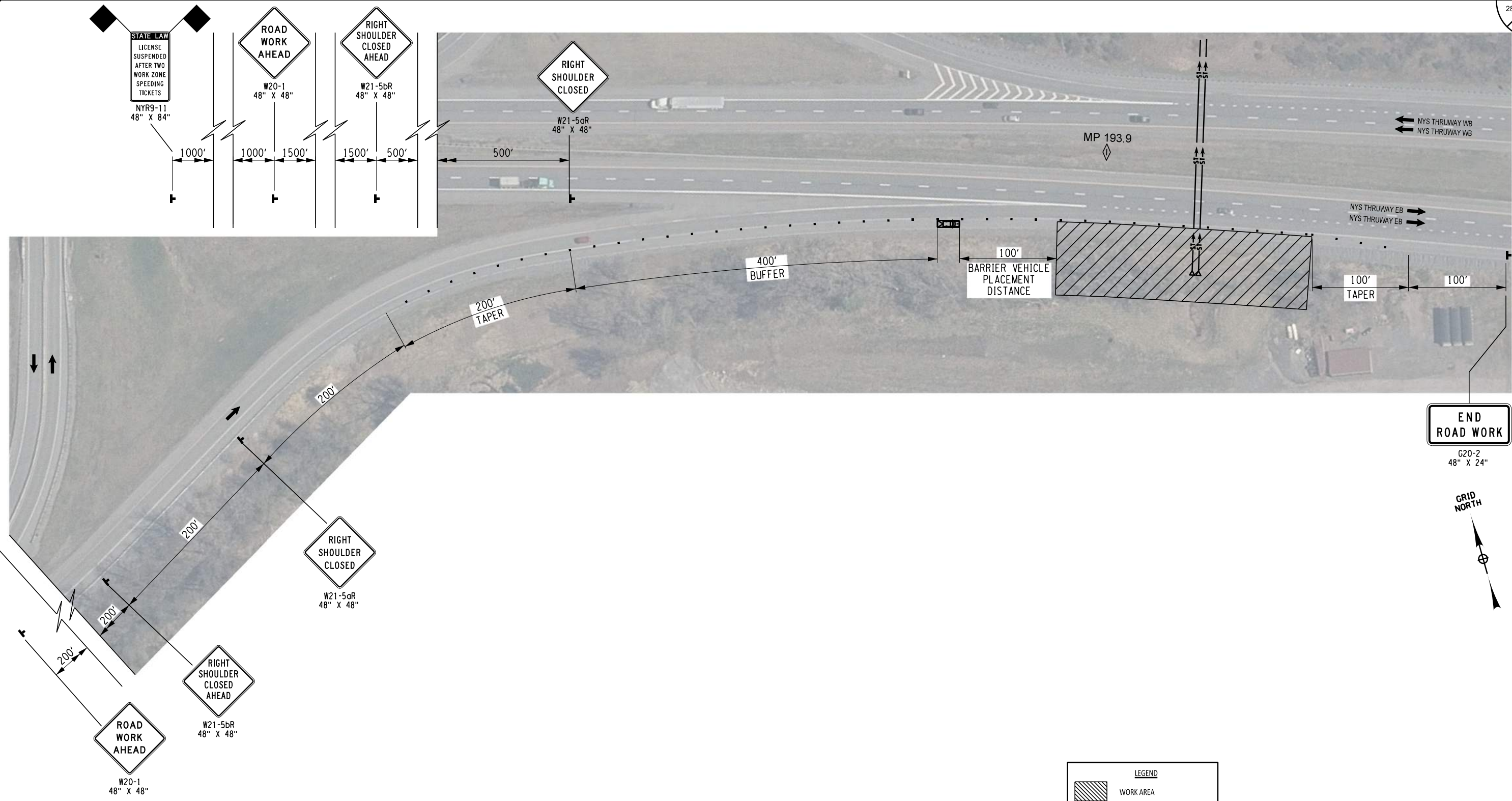
ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: <p style="text-align: center; font-weight: bold;">09/24/2025</p> SIGNATURE: STAMP:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	CONTRACT NUMBER: TAA 25-23 DATE: 09/2025 DRAWING NUMBER: WZP-15
	WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 193.9 PHASE I	

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



ALTERED ON:
 SIGNATURE:
 STAMP:

AFFIXED ON: 09/24/2025
 SIGNATURE:
 STAMP:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SITE SPECIFIC - MP 193.9 PHASE II	DRAWING NUMBER: WZP-16

CHECKED BY: R. BENNETT

DRAFTED BY: E. ROSENZWEIG


CHECKED BY: M. DUVAL

DESIGNED BY: B. DEHAAN

DESIGN SUPERVISOR: R. BENNETT



TEMPORARY WATERWAY DIVERSION STRUCTURES																		
ITEM NO.		DESCRIPTION																
553.0300XX		TEMPORARY WATERWAY DIVERSION STRUCTURE																
GNP #	APPROX. M.P.	DIRECTION OF TRAVEL (ACCESS FROM)	553.030001 (EA)	553.030002 (EA)	553.030003 (EA)	553.030004 (EA)	553.030005 (EA)	553.030006 (EA)	553.030007 (EA)	553.030008 (EA)	553.030009 (EA)	553.030010 (EA)	553.030011 (EA)	553.030012 (EA)	553.030013 (EA)	553.030014 (EA)	553.030015 (EA)	553.030016 (EA)
1	91.4	SB RT	1															
2	134.9	SB RT		1														
2	134.9	I-87 NB RAMP LT			1													
3	142.5	PRIVATE PROPERTY				1												
4	158.8	FROM I-90 EB RAMP TO I-88 WB RT					1											
5	162.2	I-90 WB RAMP RT						1										
6	164.1	EB RT							1									
6	164.1	EB RT								1								
7	167.7	EB RT									1							
8	173.4	EB RT										1						
9	173.6	TO RTE 30 SB LT											1					
11	181.2	EB RT												1				
13	193.9	EB RT													1			
14	197.3	EB RT														1		
15	B3.7	EB RT															1	
16	B21.4	EB RT																1
TOTAL:			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

DRAINAGE TABLE													
ITEM NO.		DESCRIPTION											
203.03		EMBANKMENT IN PLACE											
203.07		SELECT GRANULAR FILL											
206.0201		TRENCH AND CULVERT EXCAVATION											
209.1003		SEED AND MULCH - TEMPORARY											
552.17		SHIELDS AND SHORING											
610.1402		TOPSOIL - ROADSIDE											
610.1601		TURF ESTABLISHMENT - ROADSIDE											
GNP #	ROUTE NUMBER	APPROX. M.P.	DIRECTION OF TRAVEL (ACCESS FROM)	CULVERT IDENTIFICATION NUMBER (CIN)	PIPE SIZE (IN)	203.03 (CY)	203.07 (CY)	206.0201 (CY)	209.1003 (SY)	552.17 (SF)	610.1402 (CY)	610.1601 (SY)	
1	I-87	91.4	SB RT & MEDIAN	09136006XX	36	1	5.4	10.8	43.8	41	4.8	43.8	
1	I-87	91.4	SB RT	09137005XX	48	12.8	23.2	53.8	175.1	369	18	162	
2	I-87	134.9	NB RAMP LT & RT	13493007XX	48	1.0	6.5	13.4	53.7	0.0	5.9	53.7	
2	I-87	134.9	SB RT & NB RAMP LT	13499024XX	48	224.6	312.4	618.1	777.6	3173.1	81.1	1842.6	
3	I-87	142.5	PRIVATE PROPERTY	14254011AX	30	18.3	27.6	49.0	278.0	420.0	3.1	278.0	
3	I-87	142.5	PRIVATE PROPERTY	14254011CX	30	81.2	55.4	157.5	190.0	840.0	20.9	190.0	
3	I-87	142.5	PRIVATE PROPERTY	14256011BX	30	1.0	15.8	26.6	89.4	1.0	9.8	89.4	
4	I-90	158.8	FROM I-90 EB RAMP TO I-88 WB RT	15882004XX	48	16.8	31.5	71.0	206.8	369.0	22.7	206.8	
5	I-90	162.2	I-90 WB RAMP LT&RT	16222013XX	60	2.0	44.0	59.3	121.3	300.0	13.3	121.3	
6	I-90	164.1	EB RT	16402001AX	48	4.0	8.3	18.2	53.7	0.0	5.9	53.7	
6	I-90	164.1	EB RT & WB RT	16405002XX	48	2.6	40.5	50.1	67.2	380.0	7.0	67.2	
6	I-90	164.1	EB RT	16409003AX	36	3.4	8.3	17.4	52.1	0.0	5.7	52.1	
6	I-90	164.1	EB RT & WB RT	16409003XX	36	2.2	31.3	39.0	65.2	130.0	5.5	65.2	
7	I-90	167.7	WB RT & MEDIAN	16773024XX	48	4.0	8.3	18.2	53.7	0.0	5.9	53.7	
7	I-90	167.7	EB RT & MEDIAN	16775025XX	48	4.0	8.3	18.2	53.7	0.0	5.9	53.7	
8	I-90	173.4	WB RT & EB RT	17344009XX	72	33.8	121.6	189.4	30.0	960.0	34.0	330.8	
9	I-90	173.6	RTE 30 NB RAMP RT & PARKING LOT	17359006XX	36	3.4	8.3	17.4	52.1	0.0	5.7	52.1	
10	I-90	174.7	MEDIAN	17469008AX	18	0.0	17.8	60.8	76.6	480.0	7.8	76.6	
11	I-90	181.2	PRIVATE PROPERTY	18116002AX	36	43.7	37.4	73.9	82.6	420.0	20.9	82.6	
11	I-90	181.2	EB RT & PRIVATE PROPERTY	18116002XX	36	3.6	55.5	88.3	67.7	616.4	7.5	67.7	
12	I-90	186.1	EB RT & MEDIAN	18610001XX	24	5.4	54.0	59.1	252.3	0.0	27.7	252.3	
12	I-90	186.1	WB RT & MEDIAN	18610002XX	24	9.0	30.0	41.0	60.0	0.0	3.0	60.0	
13	I-90	193.9	WB RT & PRIVATE PROPERTY	19387009XX	TWIN 72	33.8	61.8	96.8	200.8	480.0	22.0	200.8	
14	I-90	197.3	WB RT & EB RT	19731002XX	72	171.0	215.2	278.4	456.0	1042.0	50.4	456.0	
15	I-90	B3.7	EB RT & LT	80370033XX	96 x 72 BOX								
16	I-90	B21.4	EB LT & PRIVATE PROPERTY	82141007XX	66	5.0	15.0	21.0	30.0	0.0	2.0	30.0	
TOTAL:						691.3	1285.1	2205.4	3716.2	10410.5	409.2	5068.4	

ALTERED ON:	AFFIXED ON: 09/24/2025
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING MISCELLANEOUS TABLES	DRAWING NUMBER: MT-01



PW/ R. BENNETT E. ROSENZWEIG M. DUVAL B. DEHAAN

TEMPORARY HAUL ROAD(S) TABLE																								
ITEM NO.			DESCRIPTION																					
203.6100XX25			TEMPORARY HAUL ROAD(S)																					
GNP #	APPROX. M.P.	DIRECTION OF TRAVEL (ACCESS FROM)	203.61000125 (LS)	203.61000225 (LS)	203.61000325 (LS)	203.61000425 (LS)	203.61000525 (LS)	203.61000625 (LS)	203.61000725 (LS)	203.61000825 (LS)	203.61000925 (LS)	203.61001025 (LS)	203.61001125 (LS)	203.61001225 (LS)	203.61001325 (LS)	203.61001425 (LS)	203.61001525 (LS)	203.61001625 (LS)	203.61001725 (LS)	203.61001825 (LS)	203.61001925 (LS)	203.61002025 (LS)	203.61002125 (LS)	COMMENTS
1	91.4	SB RT																						GRADUAL SLOPE, NO HAUL ROAD NECESSARY
2	134.9	SB RT	1																					
2	134.9	I-87 NB RAMP RT		1																				
3	142.5	PRIVATE PROPERTY			1																			
4	158.8	FROM I-90 EB RAMP TO I-88 WB RT																						GRADUAL SLOPE, NO HAUL ROAD NECESSARY
5	162.2	I-90 WB RAMP RT				1																		
6	164.1	WB RT					1																	
6	164.1	EB RT						1																
7	167.7	EB RT							1															
7	167.7	WB RT								1														
8	173.5	WB RT									1													
8	173.5	EB RT										1												
9	173.6	TO RTE 30 NB RAMP RT											1											
9	173.6	PARKING LOT												1										
10	174.7	MEDIAN																						MEDIAN ACCESS, NO HAUL ROAD NECESSARY
11	181.2	EB RT													1									
11	181.2	PRIVATE PROPERTY																						GRADUAL SLOPE, NO HAUL ROAD NECESSARY
12	186.1	WB RT																						GRADUAL SLOPE, NO HAUL ROAD NECESSARY
12	186.1	EB RT																						GRADUAL SLOPE, NO HAUL ROAD NECESSARY
13	193.9	PRIVATE PROPERTY														1								
13	193.9	WB RT															1							
14	197.3	WB RT																1						
14	197.3	EB RT																	1					
15	B3.7	EB LT																		1				
15	B3.7	EB RT																			1			
16	B21.4	PRIVATE PROPERTY																				1		
16	B21.4	EB LT																					1	
TOTAL:			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

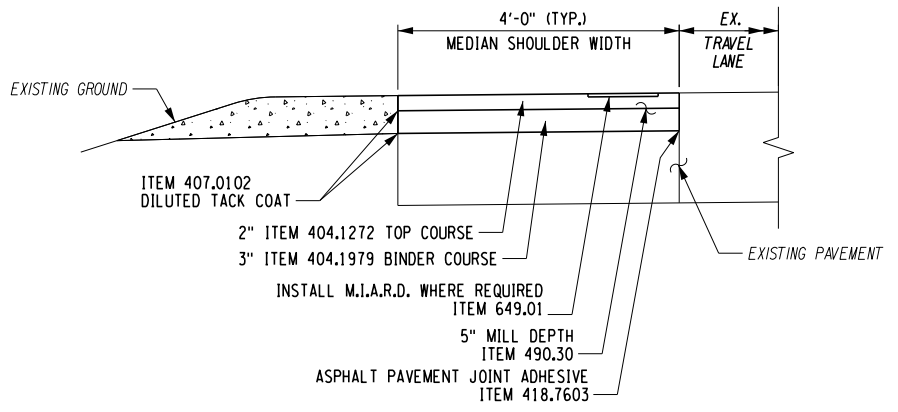
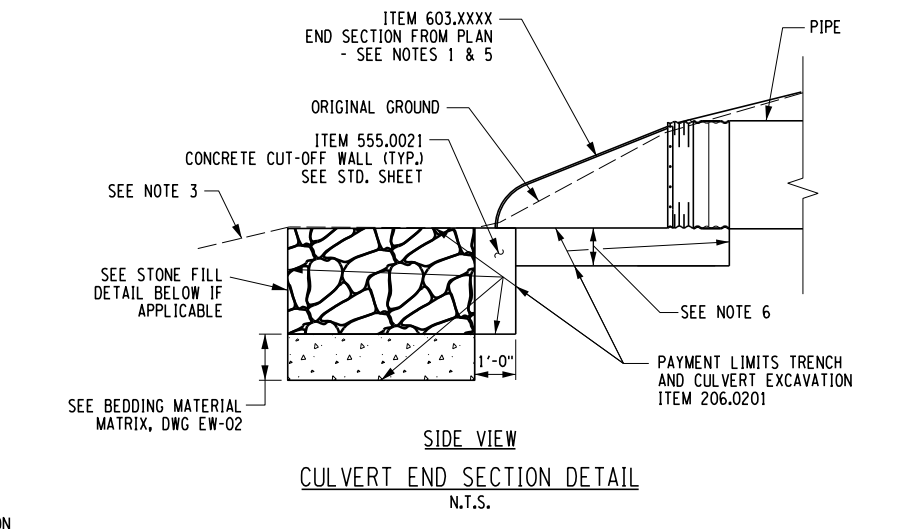
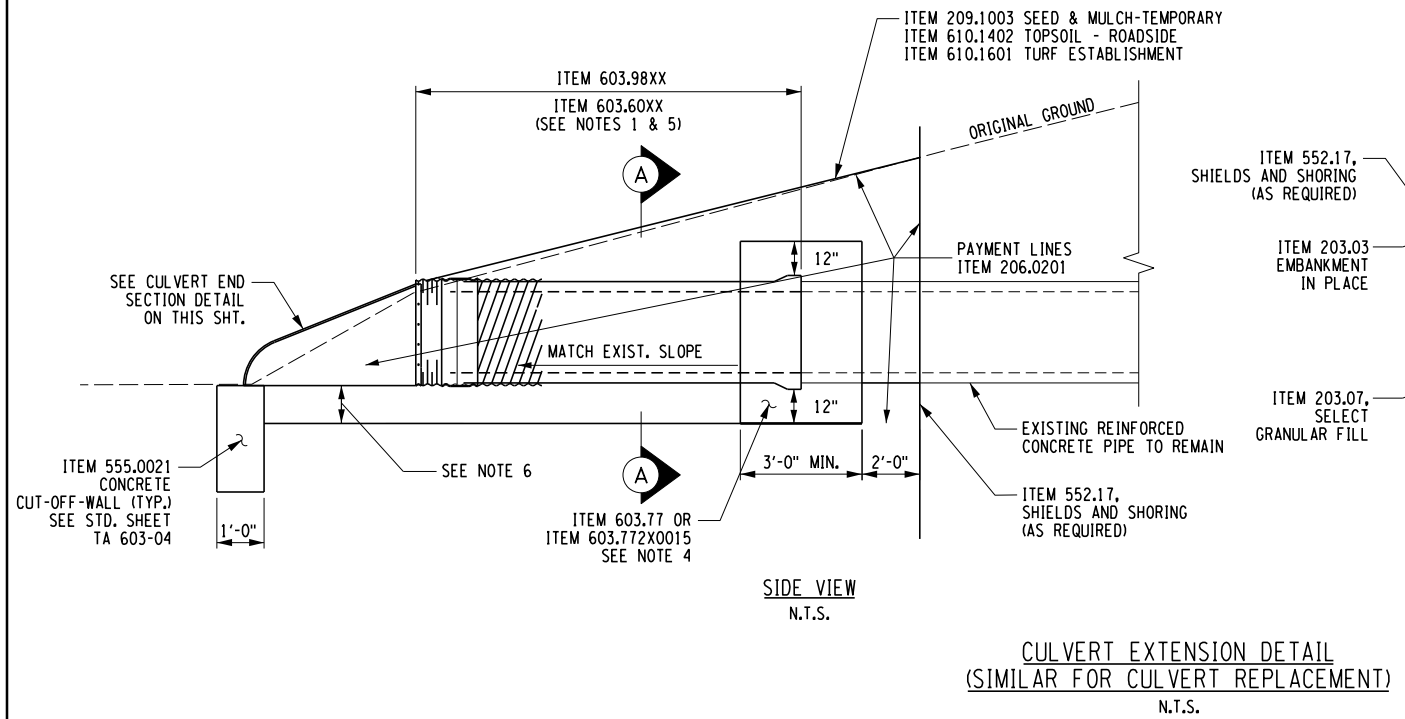
ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

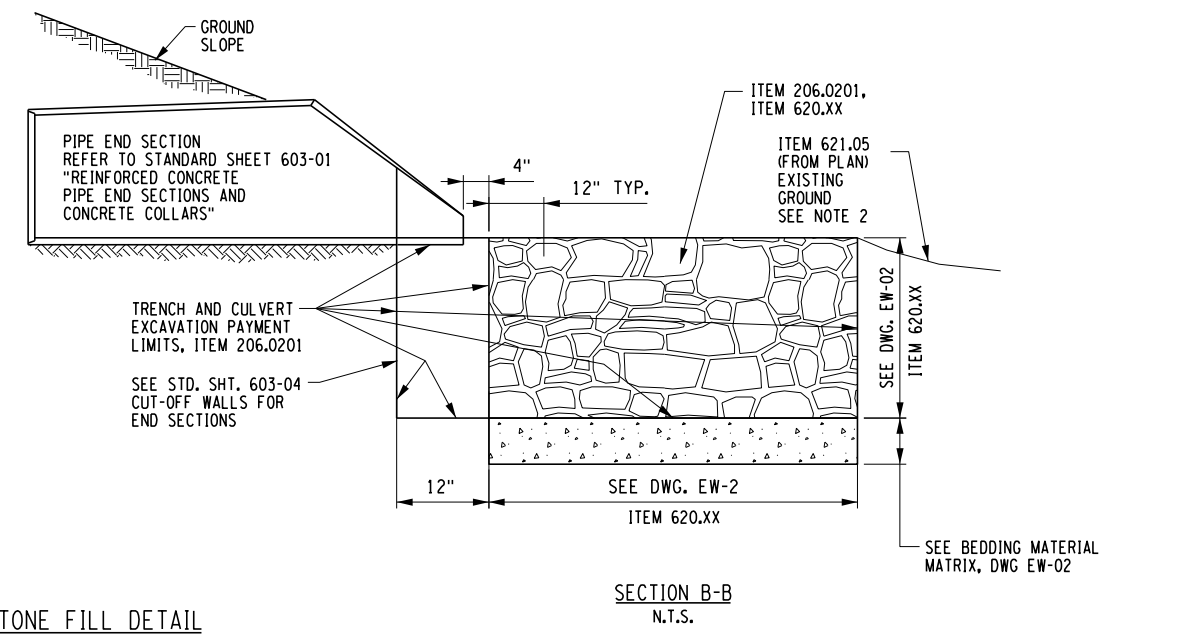
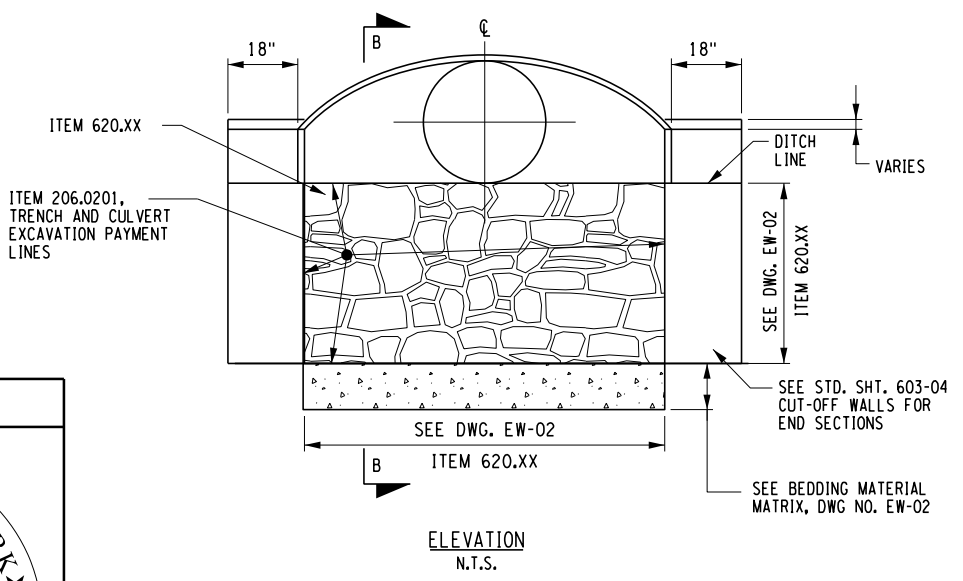
	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING MISCELLANEOUS TABLES	DRAWING NUMBER: MT-02

PWZ
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



- NOTES:
- SEE MISCELLANEOUS TABLE DWG. MT-01 FOR DRAINAGE ITEMS, QUANTITIES AND LOCATIONS.
 - SEE DRAWING EW-1 FOR ITEM 621.05 TABLE & DETAILS, IF APPLICABLE (SEE PLAN).
 - COSTS FOR ITEM 206.0201 SHALL INCLUDE REMOVAL OF THE EXISTING PIPE, PIPE COLLAR, AND END SECTION.
 - WHERE THERE IS NO EXISTING HEADWALL, SEE STD. SHEET 603-01 FOR ITEM 603.77, CONCRETE COLLARS.
 - THE CONTRACTOR SHALL DETERMINE ANGLES OR CHANGES IN GRADE TO MAKE PROPER CONNECTION BETWEEN SICPP LINING SECTIONS. UNLESS OTHERWISE NOTED OR AS MAY BE REQUIRED DURING CONSTRUCTION, EXISTING CULVERT GRADE IS TO BE MAINTAINED WITH THE PROPOSED PIPE. THE LENGTH OF THE PROPOSED PIPE IS ESTIMATED AT THE LENGTH OF THE PREVIOUS EXTENSION PLUS 4 FEET TO GET TO THE NEXT JOINT. IF THE FIELD DISTANCE TO THE FIRST JOINT IS DIFFERENT THAN 4 FEET THEN THE FIELD DISTANCE WILL DETERMINE THE QUANTITIES.
 - WITHIN THE AREA OF THE EXISTING DRAINAGE CHANNEL, THE CONTRACTOR SHALL EXCAVATE MATERIAL DEEMED UNSUITABLE BY ENGINEER, ITEM 206.0201, TRENCH AND CULVERT EXCAVATION, AND BACKFILL WITH SELECT GRANULAR FILL, ITEM 203.07. ASSUME 12" DEPTH BELOW THE PIPE FOR ESTIMATING PURPOSES. SEE STD. SHEET 203-05 FOR MINIMUM WIDTH.
 - PROTECT AND MAINTAIN ALL EXISTING 6" DIA. UNDERDRAIN.

- NOTES:
- MEDIAN SHOULDER PAVEMENT REPAIR DETAIL TO BE USED IF SHOULDER IS DAMAGED DURING CONSTRUCTION, A.O.B.E..
 - ASSUME 100' L X 4' W PER SITE. REFER TO DWG. GNP-10, GNP-12, GNP-15, AND GNP-16 FOR LOCATIONS.



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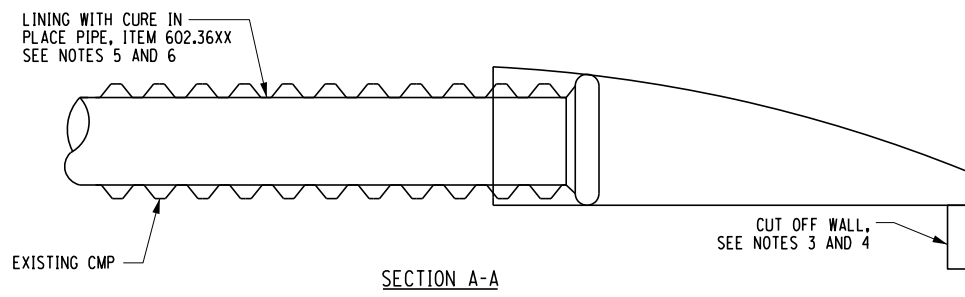
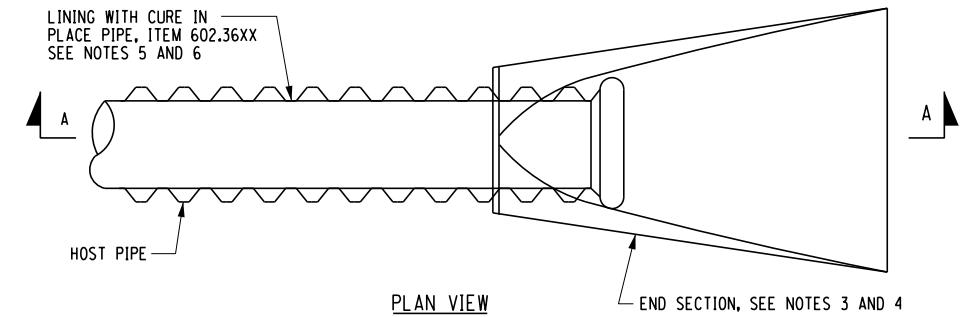
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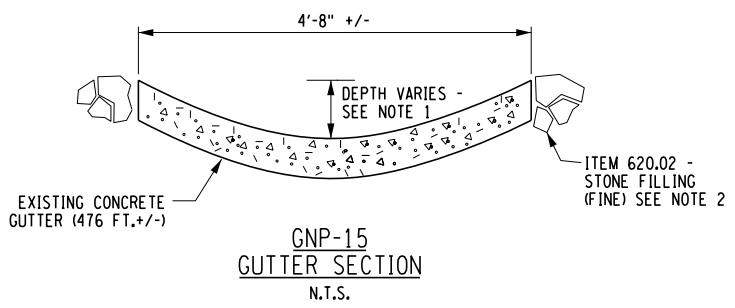
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TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: MISCELLANEOUS DETAILS	DRAWING NUMBER: MD-01

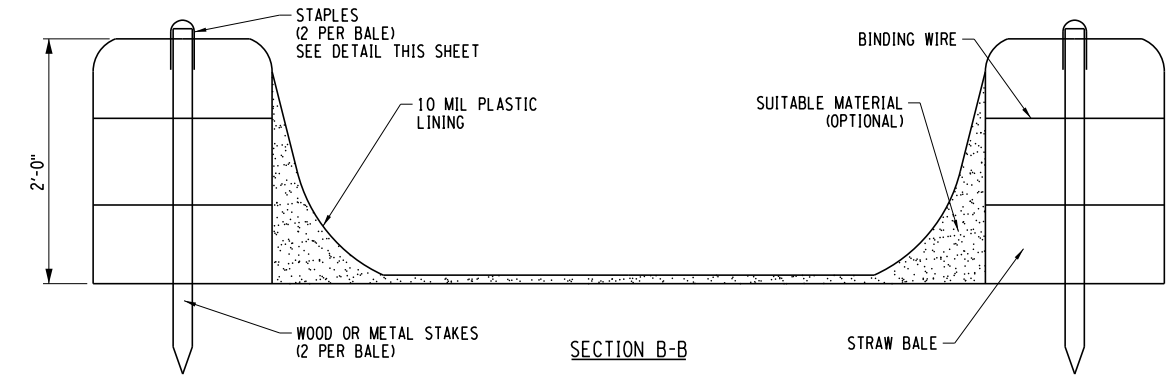
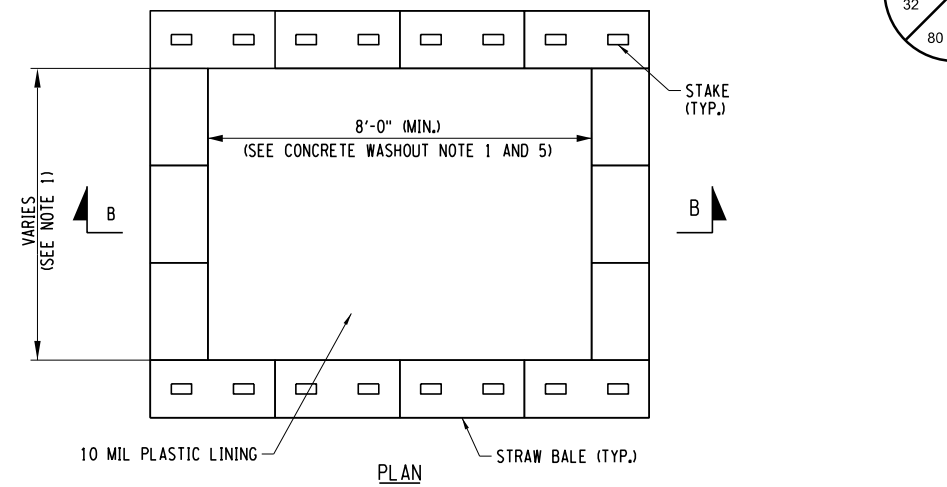
PW/ R. BENNETT
 CHECKED BY: E. ROSENZWEIG
 DRAFTED BY: M. DUVAL
 CHECKED BY: B. DEHAAN
 DESIGNED BY: R. BENNETT
 DESIGN SUPERVISOR:



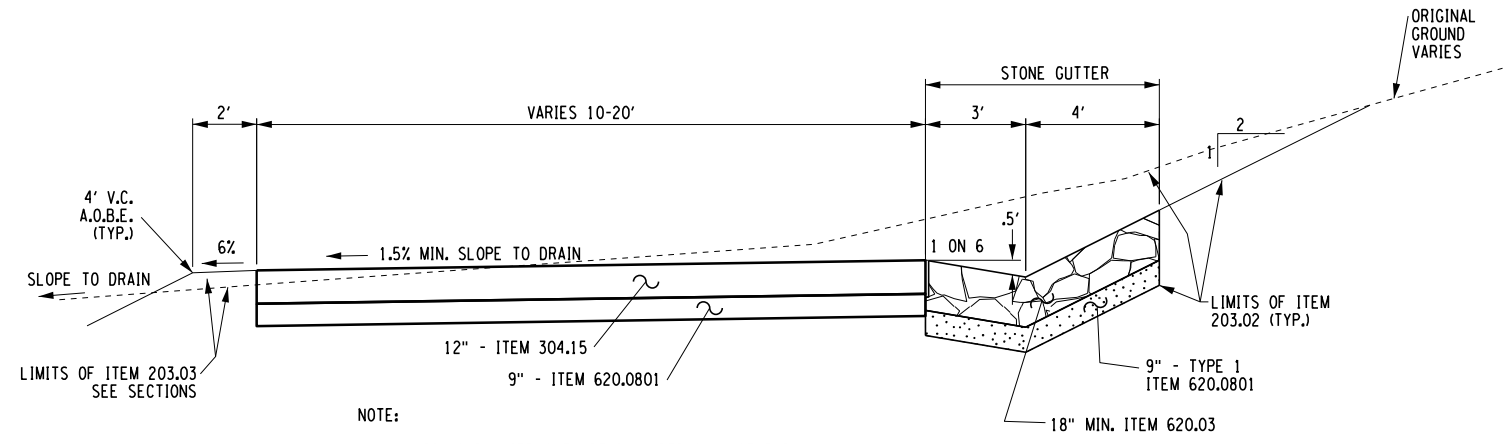
**CURED-IN-PLACE PIPE (CIPP)
WITH END SECTION DETAIL**
N.T.S.



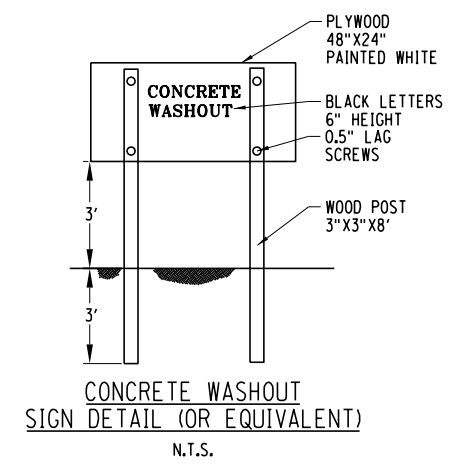
- NOTES:
- ALL SPOILS SHALL BE TAKEN OFF SITE. COST TO BE INCLUDED IN ITEM 621.51000015.
 - WHERE CONCRETE GUTTER EDGE IS CURRENTLY EXPOSED, STONE FILLING (FINE) SHALL BE PLACED CONTINUOUSLY TO MATCH EXISTING GRADE.
 - SEE DRAWING GNP-15 FOR GUTTER LOCATION.



CONCRETE WASHOUT DETAIL
N.T.S.

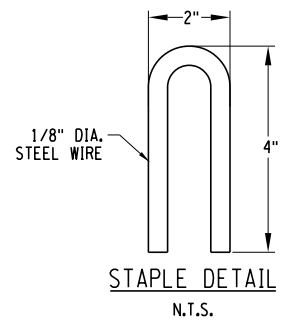


- NOTE:
- VARIOUS PAY ITEMS TO BE INCLUDED IN COST FOR TEMPORARY HAUL ROADS ITEM 203.6100XX25.



CONCRETE WASHOUT NOTES:

- ACTUAL LAYOUT AND LOCATION TO BE DETERMINED IN FIELD. CONCRETE WASHOUTS MAY BE LOCATED UP TO 2 MILES FROM THE JOB SITE. CONCRETE WASHOUTS ARE REQUIRED PER NYSDEC.
- THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 5 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
- LOCATE WASHOUT AREA AT LEAST 50-FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES. DO NOT ALLOW RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID OR SOLID WASTE.
- WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED PROPERLY.
- TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE) SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 10-FEET, BUT WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
- STRAW BALES, WOOD STAKES, AND SANDBAG MATERIALS SHALL CONFORM TO THE PROVISIONS IN THE EROSION AND SEDIMENT CONTROL SPECIFICATION.
- PLASTIC LINING MATERIAL SHALL BE A MINIMUM OF 10 MIL IN POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
- WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED FROM THE SITE OF THE WORK.
- HOLES, DEPRESSIONS, OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE BACKFILLED AND REPAIRED.
- TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 4-INCHES. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION. HARDENED CONCRETE MATERIALS SHOULD BE REMOVED AND DISPOSED.
- WASHOUT FACILITIES SHALL BE CLEANED, OR NEW FACILITIES SHALL BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
- THE COST FOR THE CONCRETE WASHOUTS SHALL BE INCLUDED IN THE PRICE BID FOR ALL CONCRETE ITEMS.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS FOR DISPOSAL OUTSIDE OF NYSTA ROW AT NO COST TO THE OWNER.



- NOTES:
- SEE DWG. MT-01 FOR DRAINAGE TABLE, AND ITEMS QUANTITIES AND LOCATIONS.
 - SEE DRAWING EW-01 FOR STONE FILLING TABLE AND DETAILS, IF APPLICABLE (SEE PLAN).
 - SEE NYS DOT STD. SHEET 603-02 AND 603-04 FOR END SECTIONS AND CAST-IN-PLACE CONCRETE CUT-OFF WALL DETAILS.
 - INSTALL END SECTION WITH CUT OFF WALL AFTER INSTALLING THE CURED IN PLACE PIPE (CIPP). WHERE EXISTING END SECTION OR HEADWALL OCCURS, CUT LINER FLUSH WITH END OF PIPE. COST TO CUT LINER FLUSH TO BE PAID FOR IN ITEM 602.3636, OR ITEM 602.3642 RESPECTIVELY.
 - THE CONTRACTOR SHALL DETERMINE ANGLES OR CHANGES IN GRADE TO MAKE PROPER CONNECTION BETWEEN PIPE SECTIONS. UNLESS OTHERWISE NOTED OR AS MAY BE REQUIRED DURING CONSTRUCTION, EXISTING CULVERT GRADE IS TO BE MAINTAINED WITH THE PROPOSED PIPE.
 - RECONNECT EXISTING 6" UNDERDRAIN AND RESTORE DRAINAGE, COSTS TO BE INCLUDED IN ITEM 206.0201.

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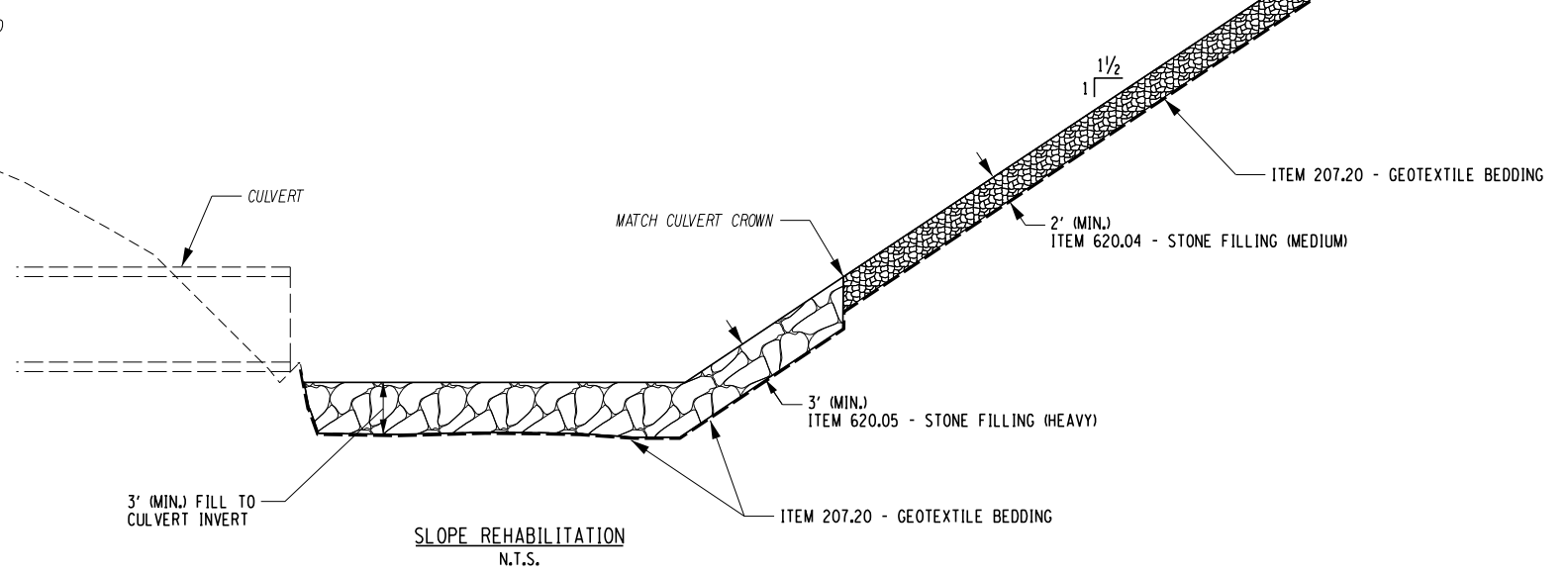
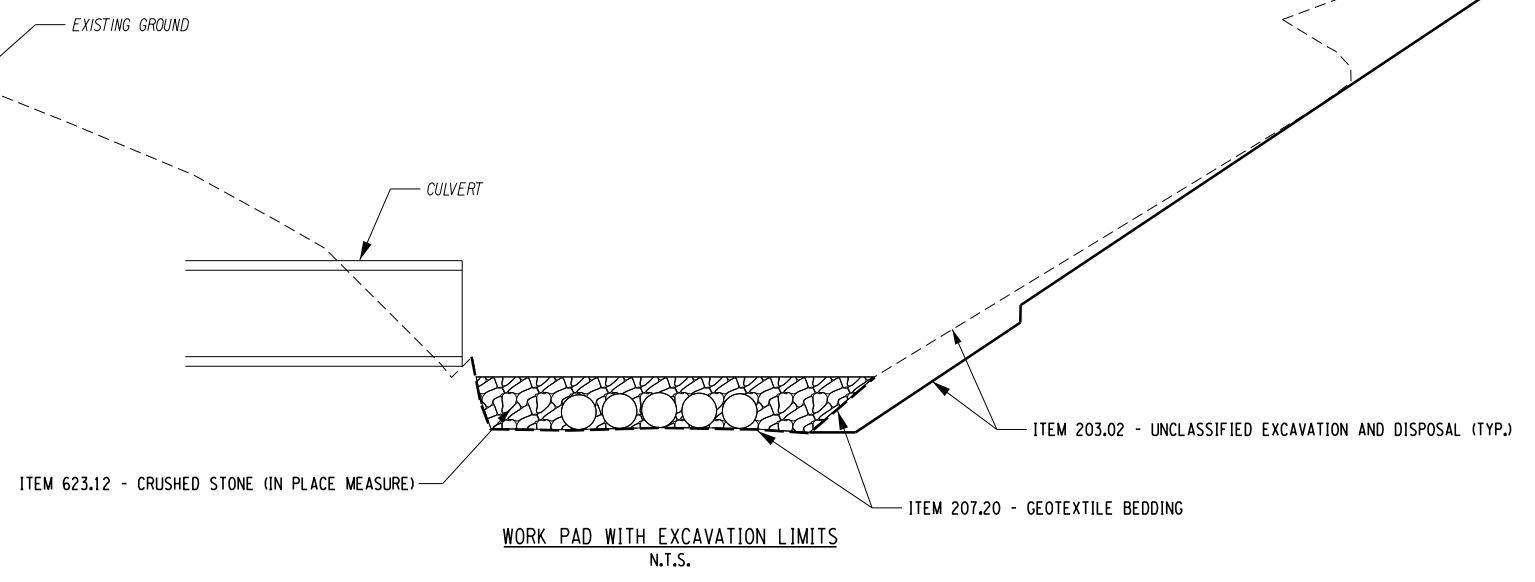
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

New York State Thruway Authority
LaBella
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TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: MISCELLANEOUS DETAILS	DRAWING NUMBER: MD-02

PW/ R. BENNETT
 CHECKED BY: R. BENNETT
 E. ROSENZWEIG
 DRAFTED BY: E. ROSENZWEIG
 M. DUVAL
 CHECKED BY: M. DUVAL
 B. DEHAAN
 DESIGNED BY: B. DEHAAN
 R. BENNETT
 DESIGN SUPERVISOR: R. BENNETT

- SCOPE OF WORK:**
1. PLACE GEOTEXTILE BEDDING ALONG THE STREAMBED AND UP TO 12 INCHES ABOVE THE STREAMBED.
 2. INSTALL FIVE 24 INCH DIAMETER PIPES ACROSS THE STREAMBED.
 3. PLACE AND COMPACT CRUSHED STONE TO A HEIGHT OF 12 INCHES ABOVE THE TOP OF THE PIPES.
 4. EXCAVATE AND SHAPE THE ADJACENT SLOPE TO A 1:1.5 (V:H) GRADE.
 5. REMOVE TEMPORARY PIPES AND CRUSHED STONE (IN PLACE MEASURE).
 6. INSTALL HEAVY STONE FILL UP TO THE CULVERT INVERT AS SHOWN IN THE SLOPE REHABILITATION DETAIL.
 7. POSITION MACHINING EQUIPMENT ON TOP OF THE INITIAL HEAVY STONE FILLING TO COMPLETE PLACEMENT OF THE REMAINING HEAVY AND MEDIUM STONE FILL ALONG THE SLOPE, IN ACCORDANCE WITH THE DETAIL PROVIDED.



- NOTES:**
1. THE CONTRACTOR SHALL PULL BACK THE CRUSHED STONE OF THE TEMPORARY WORK PLATFORM TO COMPLETE THE EXCAVATION OF THE SLOPE.
 2. THE EXISTING OUTFALL IS PERCHED APPROXIMATELY 3.5 FT ABOVE THE DROP POOL. THE INTENT IS NOT TO EXCAVATE THE BOTTOM OF THE DROP POOL.

ALTERED ON:	AFFIXED ON: 09/24/2025
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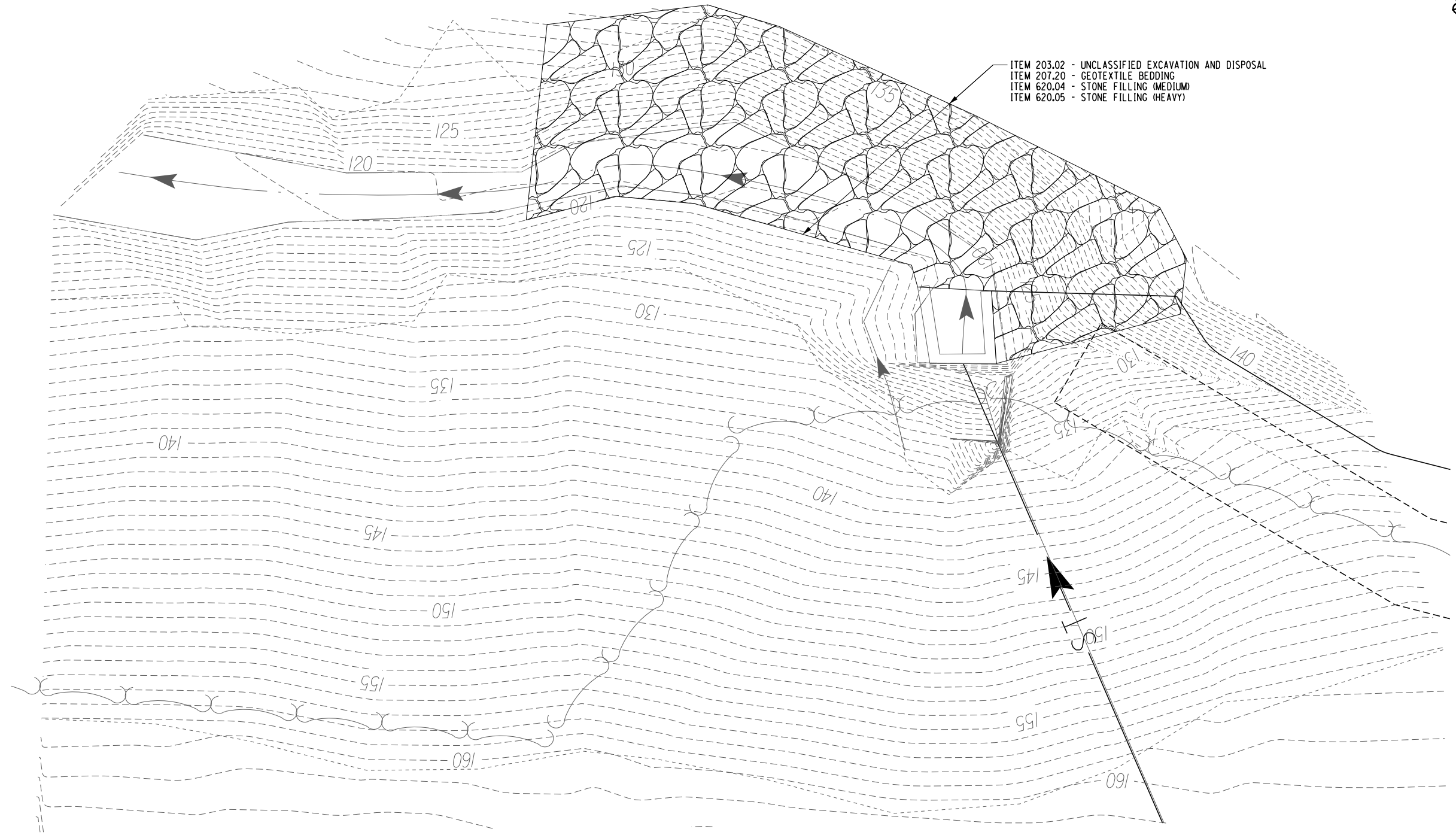
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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

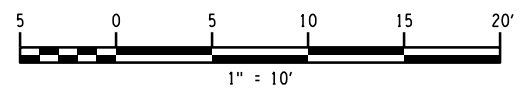
TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING	DRAWING NUMBER: MD-03

PWZ
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

34
80



SLOPE REHABILITATION
N.T.S.



ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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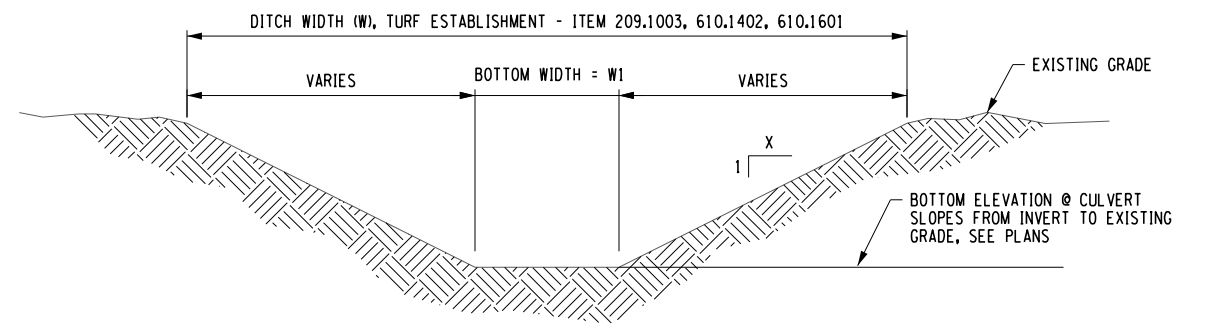
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING	DRAWING NUMBER: MD-04

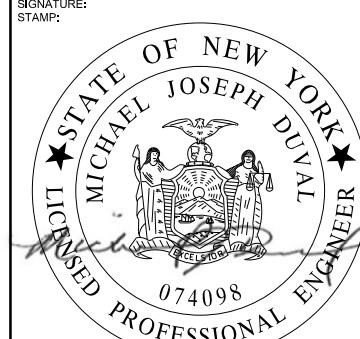
PWZ
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

DITCH TABLE

ITEM NO.	DESCRIPTION															
203.03	EMBANKMENT IN PLACE															
209.1003	SEED AND MULCH - TEMPORARY															
610.1402	TOPSOIL - ROADSIDE															
610.1601	TURF ESTABLISHMENT - ROADSIDE															
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES															
617.11000024	EQUIPMENT CLEANING FOR INVASIVE PLANT SPECIES															
621.05	CLEAN, GRADE AND SHAPE EXISTING ROADSIDE SECTION															
621.51000015	GRADING CLEANING AND RESHAPING EXISTING DITCHES															
GNP #	APPROX. M.P.	DIRECTION OF TRAVEL (ACCESS FROM)	CULVERT IDENTIFICATION NUMBER (C.I.N.)	PIPE SIZE (IN.)	SIDE SLOPE (X)	BOTTOM WIDTH (W1) (FT.)	DITCH WIDTH (W) (FT.)	203.03 (CY)	209.1003 (SY)	610.1402 (CY)	610.1601 (SY)	617.1000024 (CY)	617.11000024 (LS)	621.05 (LF)	621.51000015 (LF)	NOTES
1	91.4	SB RT & MEDIAN	09136006XX	36	4.0	4.0	12.0	1.0						5.0		SEE STONE FILLING TABLE ON DWG. EW-03
1	91.4	SB RT	09137005XI	48	4.0	4.0	12.0	1.0						50.0		SEE STONE FILLING TABLE ON DWG. EW-03
2	134.9	NB RAMP LT & RT	13493007XI	48								25.0	1.0			
2	134.9	SB RT & NB RAMP LT	13499024XX	48	2.0	4.0	8.0		44.4	4.9	44.4				50.0	
3	142.5	PRIVATE PROPERTY	14254011AX	30												
3	142.5	PRIVATE PROPERTY	14254011CX	30	4.0	4.0	12.0		266.7	29.3	266.7				200.0	SEE STONE FILLING TABLE ON DWG. EW-03
3	142.5	PRIVATE PROPERTY	14256011BX	30	4.0	2.5	10.5	1.0	58.3	6.4	58.3				50.0	
4	158.8	FROM I-90 EB RAMP TO I-88 WB RT	15882004XI	48	2.0	4.0	8.0	1.0	88.9	9.8	88.9				100.0	
5	162.2	I-90 WB RAMP LT&RT	16222013XI	60												
6	164.1	EB RT	16402001AX	48	2.0	4.0	8.0	1.0	111.1	12.2	111.1				125.0	
6	164.1	EB RT & WB RT	16405002XX	48	2.0	4.0	8.0					25.0	1.0			SEE STONE FILLING TABLE ON DWG. EW-03
6	164.1	EB RT	16409003AX	36	2.0	3.0	7.0	1.0	58.3	6.4	58.3				75.0	
6	164.1	EB RT & WB RT	16409003XX	36	4.0	4.0	12.0									SEE STONE FILLING TABLE ON DWG. EW-03
7	167.7	WB RT & MEDIAN	16773024XX	48												
7	167.7	EB RT & MEDIAN	16775025XX	48												
8	173.5	WB RT & EB RT	17344009XX	36	2.0	6.0	10.0	1.0	55.6	6.1	55.6				50.0	
9	173.6	RTE 30 NB RAMP RT & PARKING LOT	17359006XI	36	2.0	4.0	8.0	1.0	44.4	4.9	44.4				50.0	
10	174.7	MEDIAN	17469008AX	18												
11	181.2	PRIVATE PROPERTY	18116002AX	36												
11	181.2	EB RT & PRIVATE PROPERTY	18116002XX	36								25.0	1.0			
12	186.1	EB RT & MEDIAN	18610001XX	24	6.0	2.0	14.0	1.0	155.6	17.1	155.6				100.0	
12	186.1	WB RT & MEDIAN	18610002XX	24												
13	193.9	WB RT & PRIVATE PROPERTY	19387009XX	TWIN 72	2.0	12.0	16.0	1.0	355.6	39.1	355.6				200.0	
14	197.3	WB RT & EB RT	19731002XX	72	2.0	6.0	10.0	1.0	111.1	12.2	111.1				100.0	
15	B3.7	EB RT & LT	80370033XX	96 x 72 BOX												SEE STONE FILLING TABLE ON DWG. EW-03
16	B21.4	EB LT & PRIVATE PROPERTY	82141007XX	66												SEE STONE FILLING TABLE ON DWG. EW-03
TOTAL								11.0	1350.0	148.5	1350.0	75.0	3.0	255.0	900.0	





DITCH CROSS SECTION
 ITEM 621.05 OR ITEM 621.51000015 (TYP.)
 N.T.S.

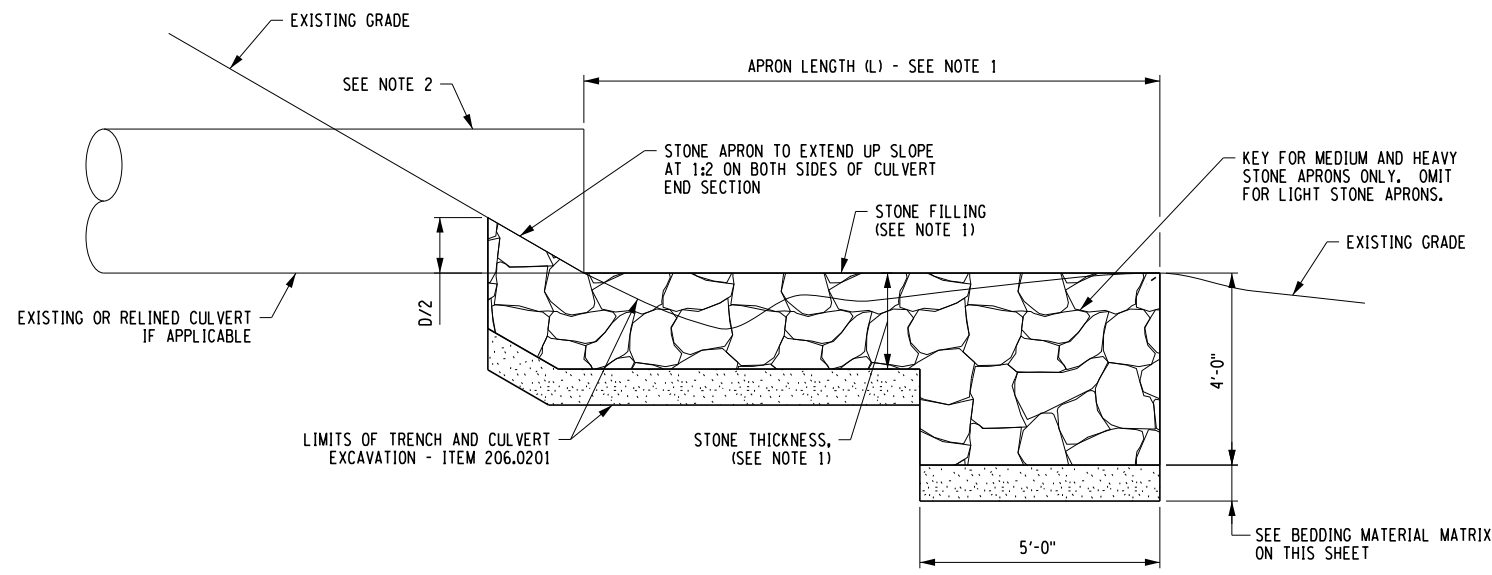
ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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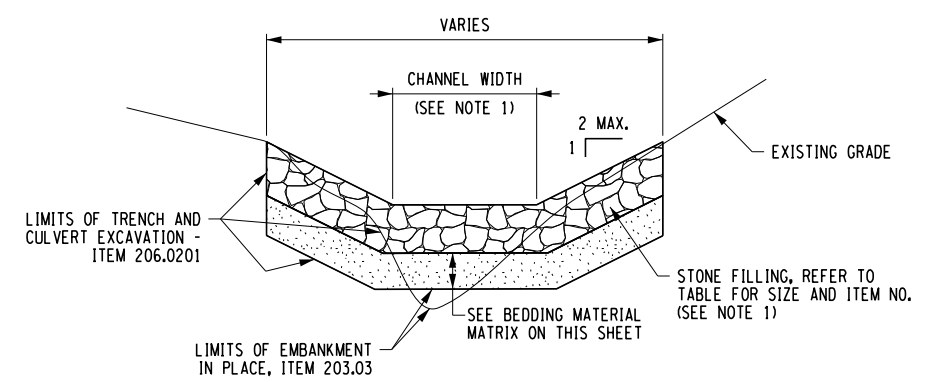
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

 Thruway Authority	TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
 Powered by partnership.	LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING: EARTH WORK DETAILS	DRAWING NUMBER: EW-01

PWZ
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

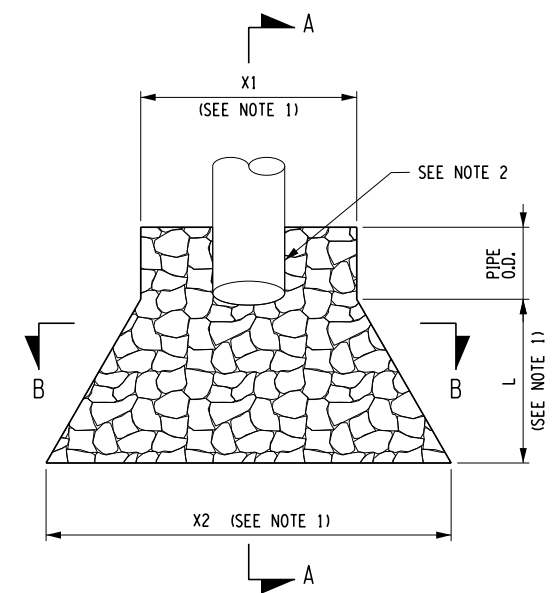


STONE APRON - SECTION A-A
N.T.S.

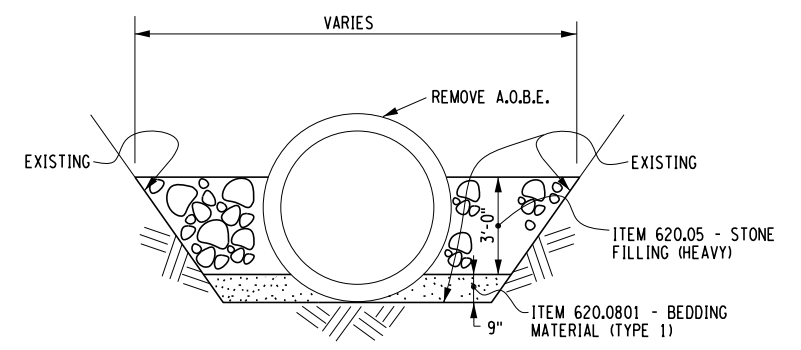


STONE APRON - SECTION B-B
N.T.S.

BEDDING MATERIAL MATRIX		ITEM 620.0801 BEDDING MATERIAL (TYPE 1) ITEM 620.0802 BEDDING MATERIAL (TYPE 2)			
STONE FILL SLOPE PROTECTION BLANKET		620.02 FINE STONE FILL	620.03 LIGHT STONE FILL	620.04 MEDIUM STONE FILL	620.05 HEAVY STONE FILL
EXISTING SOIL TO BE RETAINED	SILTY CLAY	9" OF BEDDING MATERIAL TYPE 2	9" OF BEDDING MATERIAL TYPE 2	6" OF BEDDING MATERIAL TYPE 2 OVERLAID BY 6" OF BEDDING MATERIAL TYPE 1	6" OF BEDDING MATERIAL TYPE 2 OVERLAID BY 6" OF BEDDING MATERIAL TYPE 1
	CLAYEY SILT	9" OF BEDDING MATERIAL TYPE 2	9" OF BEDDING MATERIAL TYPE 2	6" OF BEDDING MATERIAL TYPE 2 OVERLAID BY 6" OF BEDDING MATERIAL TYPE 1	6" OF BEDDING MATERIAL TYPE 2 OVERLAID BY 6" OF BEDDING MATERIAL TYPE 1
	SILTY FINE SAND	9" OF BEDDING MATERIAL TYPE 1	9" OF BEDDING MATERIAL TYPE 1	9" OF BEDDING MATERIAL TYPE 1	9" OF BEDDING MATERIAL TYPE 1
	GRAVELLY SAND	9" OF BEDDING MATERIAL TYPE 1	9" OF BEDDING MATERIAL TYPE 1	9" OF BEDDING MATERIAL TYPE 1	9" OF BEDDING MATERIAL TYPE 1



STONE APRON - SCHEMATIC PLAN
N.T.S.



EXTENDED APRON SECTION
N.T.S.

- NOTES:**
- REFER TO STONE FILLING TABLE ON DWG. EW-03.
 - END SECTIONS AND CUT-OFF WALLS NOT SHOWN FOR CLARITY. SEE DWG. MD-01 FOR DETAILS. SEE GNP SHEETS FOR LOCATIONS AND ITEMS.

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING EARTH WORK DETAILS	DRAWING NUMBER: EW-02




ALTERED ON:
AFFIXED ON: 09/24/2025
SIGNATURE:
STAMP:

PW/ R. BENNETT
CHECKED BY: R. BENNETT
E. ROSENZWEIG
DRAFTED BY: E. ROSENZWEIG
M. DUVAL
CHECKED BY: M. DUVAL
B. DEHAAN
DESIGNED BY: B. DEHAAN
R. BENNETT
DESIGN SUPERVISOR: R. BENNETT

STONE FILLING TABLE																		
ITEM NO.	DESCRIPTION																	
203.03	EMBANKMENT IN PLACE																	
206.0201	TRENCH AND CULVERT EXCAVATION																	
613.04000001	STOCKPILING AND PLACING EXISTING STREAM BED MATERIALS																	
620.03	STONE FILLING (LIGHT)																	
620.04	STONE FILLING (MEDIUM)																	
620.05	STONE FILLING (HEAVY)																	
620.0801	BEDDING MATERIAL, TYPE 1																	
620.0802	BEDDING MATERIAL, TYPE 2																	
GNP #	APPROX. M.P.	DIRECTION OF TRAVEL (ACCESS FROM)	CULVERT IDENTIFICATION NUMBER (C.I.N.)	PIPE SIZE (IN.)	CHANNEL WIDTH (FT.)	X1 (FT.)	X2 (FT.)	L (FT.)	STONE THICKNESS (IN.)	(SEE NOTE 1)							NOTES	
										203.03 (CY)	206.0201 (CY)	613.04000001 (CY)	620.03 (CY)	620.04 (CY)	620.05 (CY)	620.0801 (CY)		620.0802 (CY)
1	91.4	SB RT & MEDIAN	09136006XX	36	4.0	8.0	8.0	5.0	18	1.0	3.4							
1	91.4	SB RT	09137005XI	48	4.0	8.0	8.0	50.0	18	1.0	33.4		22.2				11.2	
2	134.9	NB RAMP LT & RT	13493007XI	48														
2	134.9	SB RT & NB RAMP LT	13499024XX	48														
3	142.5	PRIVATE PROPERTY	14254011AX	30														
3	142.5	PRIVATE PROPERTY	14254011CX	30	3.0	9.0	29.8	18.0	24	1.0	31.8			15.8			16.0	
3	142.5	PRIVATE PROPERTY	14256011BX	30														
4	158.8	FROM I-90 EB RAMP TO I-88 WB RT	15882004XI	48														
5	162.2	I-90 WB RAMP LT&RT	16222013XX	60														
6	164.1	EB RT	16402001AX	48														
6	164.1	EB RT & WB RT	16405002XX	48	4.0	12.0	23.6	10.0	36	1.0	33.9				28.9	5.0		
6	164.1	EB RT	16409003AX	36														
6	164.1	EB RT & WB RT	16409003XX	36	3.0	9.0	43.6	30.0	36	1.0	120.2				98.2	22.0		
7	167.7	WB RT & MEDIAN	16773024XX	48														
7	167.7	EB RT & MEDIAN	16775025XX	48														
8	173.5	WB RT & EB RT	17344009XX	72	5.0	15.0	38.1	20.0	36	1.0	143.2	14.1			117.9	25.4		
9	173.6	RTE 30 NB RAMP RT & PARKING LOT	17359006XI	36	3.0	9.0	29.8	18.0	18	1.0	42.8		33.1				9.7	
10	174.7	MEDIAN	17469008AX	18														
11	181.2	PRIVATE PROPERTY	18116002AX	36														
11	181.2	EB RT & PRIVATE PROPERTY	18116002XX	36														
12	186.1	EB RT & MEDIAN	18610001XX	24														
12	186.1	WB RT & MEDIAN	18610002XX	24	2.0	6.0	13.0	6.0	18	1.0	10.1		8.5			1.6		
13	193.9	WB RT & PRIVATE PROPERTY	19387009XX	TWIN 72														
14	197.3	WB RT & EB RT	19731002XX	72					18		16.7	14.8			11.1	5.6		
15	B3.7	EB RT & LT	80370033XX	96 x 72 BOX	8.0	16.0	73.7	50.0	36	1.0	339.0				276.6		62.4	
16	B21.4	EB LT & PRIVATE PROPERTY	82141007XX	54	4.5	13.5	29.1	13.5	18	1.0	62.9	18.2	30.6		16.2	8.1	8.0	
TOTAL										10.0	837.5	47.1	96.6	15.8	548.9	105.7	70.4	

NOTE:
1. REFER TO DRAWING EW-02 FOR DIMENSION LOCATIONS.

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



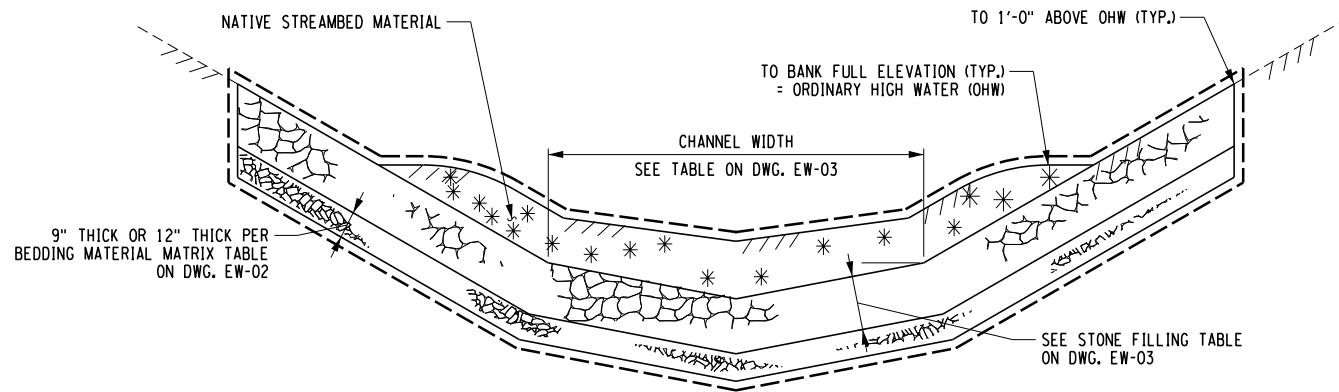
Thruway Authority



Powered by partnership.

TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING EARTH WORK DETAILS	DRAWING NUMBER: EW-03

PW/ CHECKED BY: R. BENNETT DRAFTED BY: E. ROSENZWEIG CHECKED BY: M. DUVAL DESIGNED BY: B. DEHAAN DESIGN SUPERVISOR: R. BENNETT



**OUTLET STREAM BANK PROTECTION
 RECONSTRUCTION WITH NATIVE STREAMBED MATERIAL**
 N.T.S.

CONTRACTOR NOTE:

FOR RETENTION OF THE TOPSOIL, THE SURFACE OF THE STONE FILL MAY BE GRADED OFF WITH FINE STONE OR SELECT GRANULAR FILL OR SUITABLE EXCAVATED MATERIAL OR SUFFICIENT TOPSOIL MAY BE PLACED TO "CHOKE" THE STONE BELOW THE 1 FOOT THICKNESS SHOWN. RETENTION INCLUDED IN STONE FILLING ITEMS.

LEGEND

- EXISTING GROUND SURFACE
- STONE FILLING (MEDIUM) (ITEM 620.04), STONE FILLING (FINE) (ITEM 620.02)
 STONE FILLING (HEAVY) (ITEM 620.05), STONE FILLING (LIGHT) (ITEM 620.03) } SEE TABLE ON DWG. EW-03
- BEDDING MATERIAL (ITEM 620.0801 OR 620.0802)
- NATIVE STREAMBED MATERIAL (ITEM 613.04000001)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LIMITS FOR TRENCH AND CULVERT EXCAVATION (ITEM 206.0201)

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYML

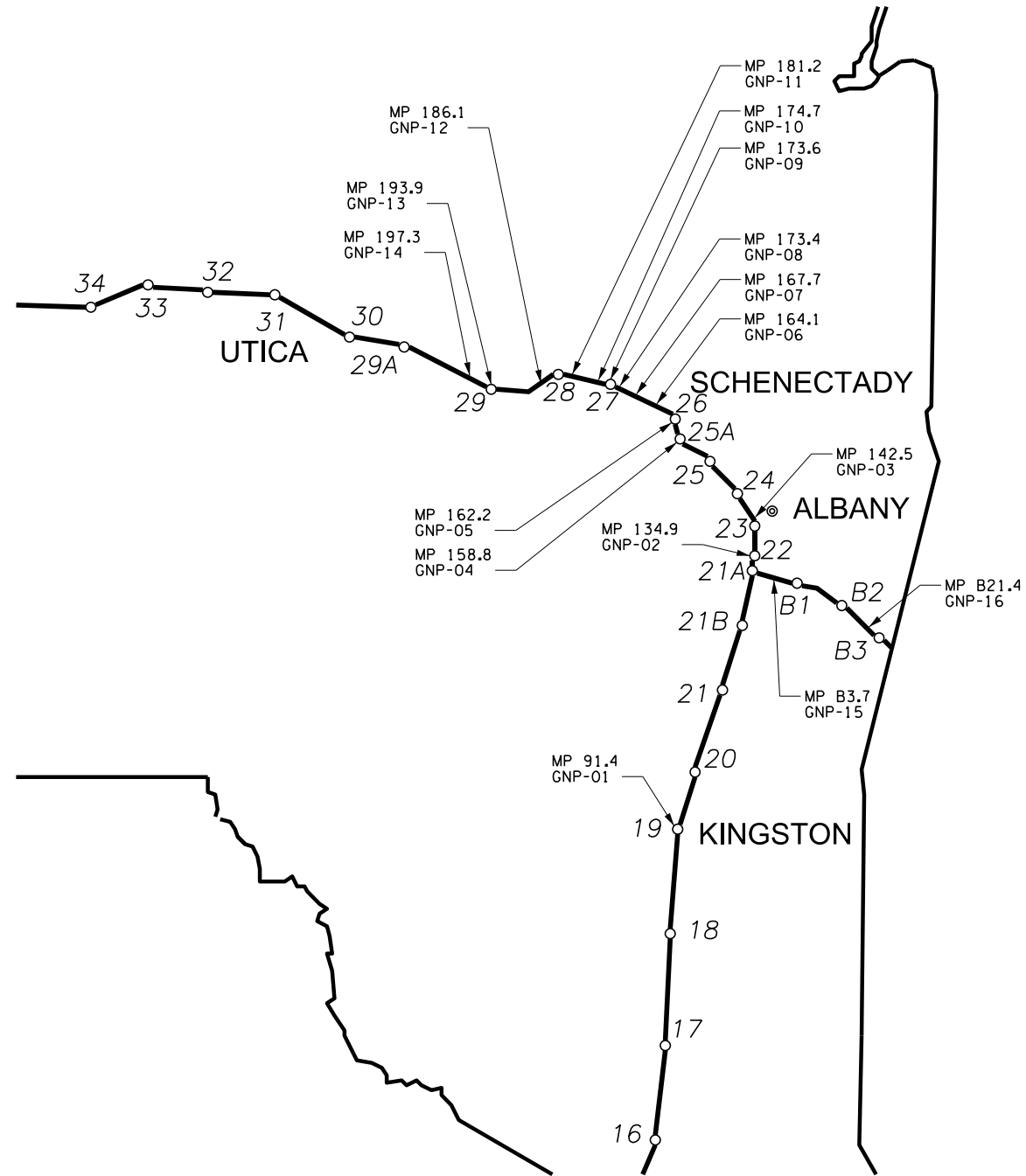
Thruway Authority

Powered by partnership.

TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING EARTH WORK DETAILS	DRAWING NUMBER: EW-04

CULVERT IDENTIFICATION NUMBERS (C.I.N.) INCLUDED IN THIS PROJECT ARE:

09136006XX
09137005XI
13493007XI
13499024XX
14254011AX
14256011BX
14254011CX
15882004XI
16222013XI
16402001AX
16405002XX
16409003AX
16409003XX
16773024XX
16775025XX
17344009XX
17359006XI
17469008AX
18116002AX
18116002XX
18610001XX
18610002XX
19387009XX
19731002XX
80370033XX
82141007XX



PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

ALTERED ON: _____ AFFIXED ON: 09/24/2025

SIGNATURE: _____
STAMP: _____

SIGNATURE: _____
STAMP: _____



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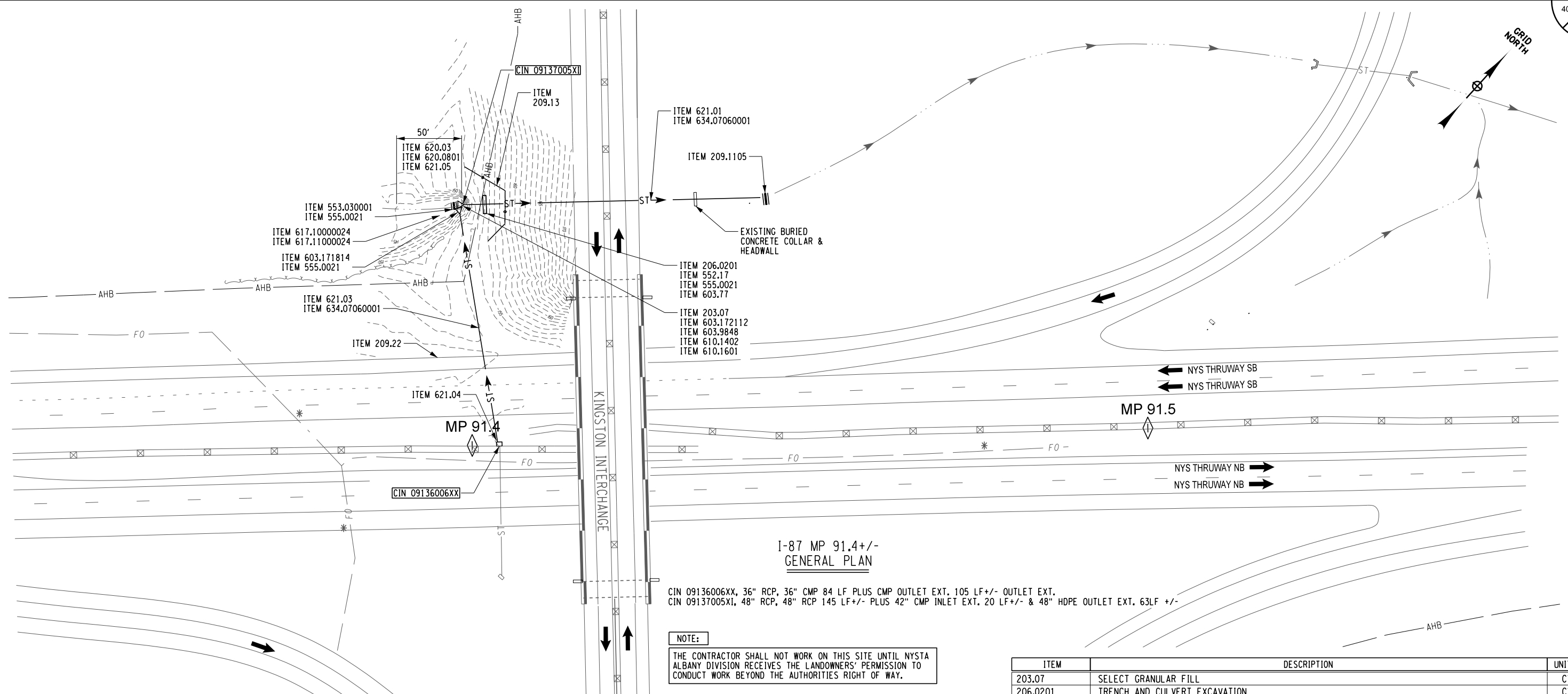
REVISIONS			
DATE	DESCRIPTION	BY	SYML

TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK
 LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/-
 MP B3.7+/- TO MP B21.5+/-
 TITLE OF DRAWING: KEY PLAN

CONTRACT NUMBER: TAA 25-23
 DATE: 09/2025
 DRAWING NUMBER: KEY-01

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

40
80



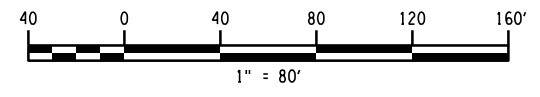
**I-87 MP 91.4+/-
GENERAL PLAN**

CIN 09136006XX, 36" RCP, 36" CMP 84 LF PLUS CMP OUTLET EXT. 105 LF +/- OUTLET EXT.
 CIN 09137005XI, 48" RCP, 48" RCP 145 LF +/- PLUS 42" CMP INLET EXT. 20 LF +/- & 48" HDPE OUTLET EXT. 63LF +/-

NOTE:
 THE CONTRACTOR SHALL NOT WORK ON THIS SITE UNTIL NYSTA ALBANY DIVISION RECEIVES THE LANDOWNERS' PERMISSION TO CONDUCT WORK BEYOND THE AUTHORITIES RIGHT OF WAY.

*** FIBER OPTIC NOTE:**
 THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-01).

- NOTES:**
- REFER TO WZP DRAWINGS.
 - REFER TO STANDARD SHEETS AND MT AND EW DRAWINGS FOR MISCELLANEOUS DETAILS AND EARTH WORK DETAILS.
 - THE CONTRACTOR SHALL ACCESS THE SITE FROM THE SOUTHBOUND RIGHT SHOULDER. COST TO BE INCLUDED ITEM 209.22.
 - THE CONTRACTOR SHALL ACCESS THIS SITE AFTER RECEIVING WRITTEN PERMISSION FROM THE CONSTRUCTION ENGINEER TO ACCESS THE SITE FROM THE ADJACENT PROPERTY OWNER.



- CIN 09137005XI
SOUTHBOUND RIGHT:**
- DISPOSE OF MATERIALS CONTAINING INVASIVE SPECIES.
 - REMOVE 42" CMP 20 LF +/- INLET EXTENSION, HEADWALL AND ONE SECTION OF 48" RCP.
 - INSTALL CONCRETE COLLAR AND 12 LF SECTIONS NEW 48" SICPP.
 - INSTALL NEW GALV. END SECTION WITH CUTOFF WALL.
 - CLEAN, GRADE, AND SHAPE EXISTING ROADSIDE SECTION.
 - CLEAN AND VIDEO INSPECT PIPE LINES.

- CIN 09136006XX
SOUTHBOUND RIGHT:**
- CUT AND REMOVE 36" CMP 8LF PLUS GALV. METAL END SECTION.
 - INSTALL 36" NEW METAL END SECTION.
 - INSTALL STONE LINED DITCH TO DRAIN TO CIN 09137005XI INLET.
 - GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
 - CLEAN AND VIDEO INSPECT PIPE LINES.
 - CLEAN DRAINAGE STRUCTURE IN MEDIAN.

ITEM	DESCRIPTION	UNITS
203.07	SELECT GRANULAR FILL	CY
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.1105	CHECK DAM, PREFABRICATED - TEMPORARY	LF
209.13	SILT FENCE - TEMPORARY	LF
209.22	STABILIZED CONSTRUCTION ACCESS	SY
552.17	SHIELDS AND SHORING	SF
553.030001	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
603.171814	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS) 36 INCH DIAMETER, 14 GAUGE	EA
603.172112	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS) 54 INCH DIAMETER, 12 GAUGE	EA
603.77	CONCRETE COLLARS	EA
603.9848	SMOOTH INTERIOR POLYETHYLENE CULVERT AND STORM DRAIN PIPE - 48 IN	LF
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.1100024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
620.03	STONE FILLING (LIGHT)	CY
620.0801	BEDDING MATERIAL, TYPE 1	CY
621.01	CLEANING CULVERTS WITH SPAN OF 50 IN. OR LESS	LF
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
621.05	CLEAN, GRADE AND SHAPE EXISTING ROADSIDE SECTION	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: GENERAL PLAN		DRAWING NUMBER: GNP-01

CIN 13499024XX
SOUTHBOUND RIGHT:

- INSTALL A TEMPORARY HAUL ROAD IF NECESSARY.
- AT THE INLET, INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
- REMOVE THE EXISTING INLET METAL END SECTION, 48 INCH CMP 50'+/- LONG, AND EXISTING CONCRETE COLLAR TO THE EXISTING HEADWALL.
- LEAVE THE EXISTING HEADWALL IN PLACE IF ALLOWED BY THE ENGINEER.
- INSTALL NEW CONCRETE COLLAR TO EXISTING HEADWALL WITH APPROPRIATE INVERT ELEVATION AND 48" SMOOTH INTERIOR CORRUGATED PLASTIC PIPE (SICPP) 50' +/- LONG TO EXISTING INLET LOCATION TO DRAIN.
- INSTALL NEW METAL INLET END SECTION, GRADE, CLEAN, AND RESHAPE EXISTING INLET DITCHES TO DRAIN.
- INSTALL STONE FILL (MED.) APRON
- GRADE, CLEAN, AND RESHAPE EXISTING DITCH
- CLEAN, RESHAPE, AND GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.

NORTHBOUND RIGHT:

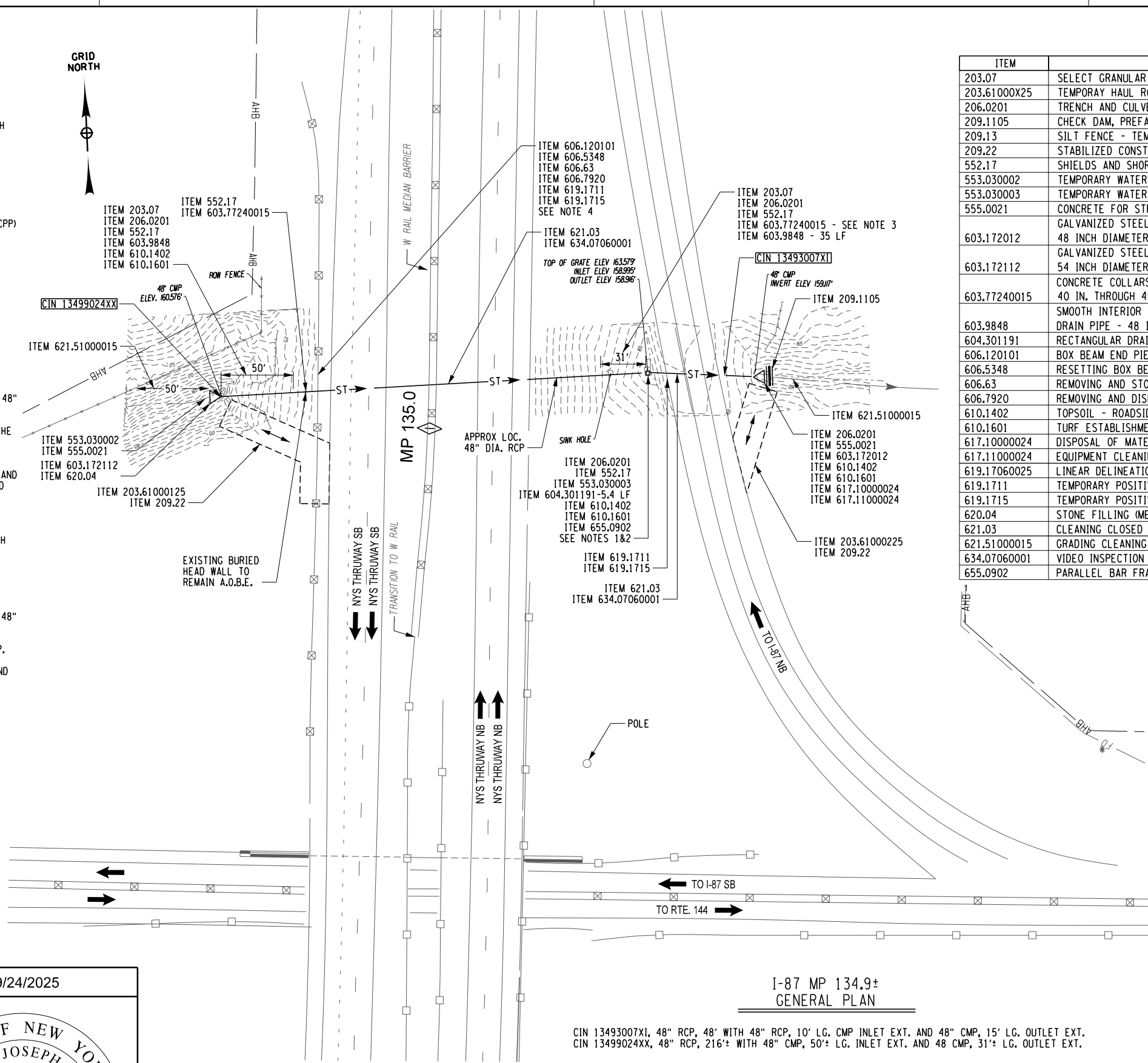
- REMOVE THE EXISTING DI AND 48" (31 FT.) CMP AND ONE 48" RCP SECTION (4 FT.) AND CONCRETE COLLAR.
- INSTALL A NEW DI TO RECEIVE SICPP INTO AND OUT OF THE DI.
- INSTALL A 48" SMOOTH INTERIOR CORRUGATED PLASTIC PIPE (SICPP) (35 FT.) BETWEEN THE EXISTING DI AND THE ORIGINAL 48" RCP CROSSPIPE BELOW THE NORTHBOUND ACCELERATION RAMP WITH A NEW CONCRETE COLLAR.
- GRADE, CLEAN, AND RESHAPE AREA TO DRAIN TO DI.
- GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF. CLEAN AND VIDEO INSPECT CULVERT.

CIN 13493007X1:
NORTHBOUND ACCELERATION RAMP LEFT:

- REMOVE THE 48" CMP (10 FT.) BETWEEN THE DI AND THE 48" RCP BELOW THE NORTHBOUND ACC. RAMP.
- REMOVE THE CONCRETE COLLAR AND ONE 4' LONG 48" RCP.
- INSTALL NEW 48" SICPP (14 FT.) BETWEEN THE NEW DI AND THE EXISTING 48" RCP BELOW RAMP WITH A NEW CONCRETE COLLAR.
- GRADE, CLEAN, AND RESHAPE AREA TO DRAIN TO DI.
- GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.

NORTHBOUND ACCELERATION RAMP RIGHT:

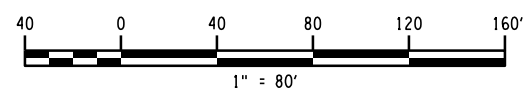
- REMOVE EXISTING OUTLET END SECTION, INSTALL NEW METAL END SECTION.
- DISPOSE OF MATERIALS CONTAINING INVASIVE SPECIES.
- GRADE, CLEAN, AND RESHAPE EXISTING OUTLET DITCH.
- GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
- CLEAN AND VIDEO INSPECT CULVERT.



ITEM	DESCRIPTION	UNITS
203.07	SELECT GRANULAR FILL	CY
203.61000X25	TEMPORAY HAUL ROAD(S)	LS
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.1105	CHECK DAM, PREFABRICATED - TEMPORARY	LF
209.13	SILT FENCE - TEMPORARY	LF
209.22	STABILIZED CONSTRUCTION ACCESS	SY
552.17	SHIELDS AND SHORING	SF
553.030002	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
553.030003	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
603.172012	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS) 48 INCH DIAMETER, 12 GAUGE	EA
603.172112	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS) 54 INCH DIAMETER, 12 GAUGE	EA
603.77240015	CONCRETE COLLARS FOR PIPE EXTENSIONS (INSIDE DIAMETER OR SPAN 40 IN. THROUGH 49 IN.)	EA
603.9848	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE - 48 INCH	LF
604.301191	RECTANGULAR DRAINAGE STRUCTURE TYPE K FOR PARALLEL BAR #11PC B FRAME	LF
606.120101	BOX BEAM END PIECE	EA
606.5348	RESETTING BOX BEAM GUIDE RAILING (NEW POSTS)	LF
606.63	REMOVING AND STORING BOX BEAM GUIDE RAILING	LF
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.11000024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
619.17060025	LINEAR DELINEATION SYSTEM	LS
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
620.04	STONE FILLING (MEDIUM)	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.51000015	GRADING CLEANING AND RESHAPING EXISTING DITCHES	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF
655.0902	PARALLEL BAR FRAME 11 PCB & PARALLEL BAR GRATE 11 PCB	EA

- NOTES:
- REMOVE AND DISPOSE EXISTING DRAINAGE STRUCTURE. COST TO BE INCLUDED IN ITEM 206.0201 (TYP).
 - DRAINAGE STRUCTURE HEIGHT AND WALL OPENING SHALL BE DETERMINED BY CONTRACTOR'S FIELD MEASUREMENTS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION (TYP).
 - REMOVE AND DISPOSE OF 48" CMP, BY 31'+/- LONG CONCRETE COLLAR AND ONE 48" RCP 4' LONG. SECTION. NOTE: THIS IS A FORMER SPOILS AREA. REFER TO TAA 85-13 SHT. 45R1/56. COST TO BE INCLUDED IN ITEM 206.0201 (TYP)
 - SEE DWG. WZT-01 FOR GUIDE RAIL TABLE.
- * FIBER OPTIC NOTE:
THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-01).

I-87 MP 134.9±
GENERAL PLAN
CIN 13493007X1, 48" RCP, 48' WITH 48" RCP, 10' LG. CMP INLET EXT. AND 48" CMP, 15' LG. OUTLET EXT.
CIN 13499024XX, 48" RCP, 216'± WITH 48" CMP, 50'± LG. INLET EXT. AND 48" CMP, 31'± LG. OUTLET EXT.



PW:7
CHECKED BY: R. BENNETT
DRAFTED BY: E. ROSENZWEIG
CHECKED BY: M. DUVAL
DESIGNED BY: B. DEHAAN
DESIGN SUPERVISOR: R. BENNETT

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: GENERAL PLAN	DRAWING NUMBER: GNP-02

PW:7
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

- CIN 14254011AX DELAWARE AVE. EASTBOUND LEFT:
- AT THE INLET, LOCATE AND REMOVE THE EXISTING BURIED EXISTING JUNCTION BOX USING SHIELDS AND SHORING.
 - CUT EXISTING 30" RCP PIPES NEAR THE NEW DI.
 - INSTALL NEW 72" ROUND PRECAST MANHOLE STRUCTURE.
 - INSTALL A 30" RCP STUB PIPE THRU DI WALL CONNECTING EACH PIPE TO THE 30" RCP WITH A CONCRETE COLLAR.
 - CLEAN AND VIDEO INSPECT PIPE.
 - CLEAN, RESHAPE, AND GRADE SLOPE TO MATCH EXISTING DITCH.

- CIN 14254011CX DELAWARE AVE. EASTBOUND LEFT:
- INSTALL 72" DIAM. PRECAST MANHOLE STRUCTURE.
 - INSTALL 30" SICPP WITH GALV. STEEL END SECTION AND CUT OFF WALL.
 - INSTALL A STONE FILL (HEAVY) APRON.
 - INSTALL STONE FILL (MED.) ALONG BANK 50' DOWNSTREAM FROM THE RCP END SECTION AND TO THE TOP OF THE BANK.
 - DISPOSE OF MATERIALS CONTAINING INVASIVE SPECIES.
 - GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
 - CLEAN AND VIDEO INSPECT CULVERT.

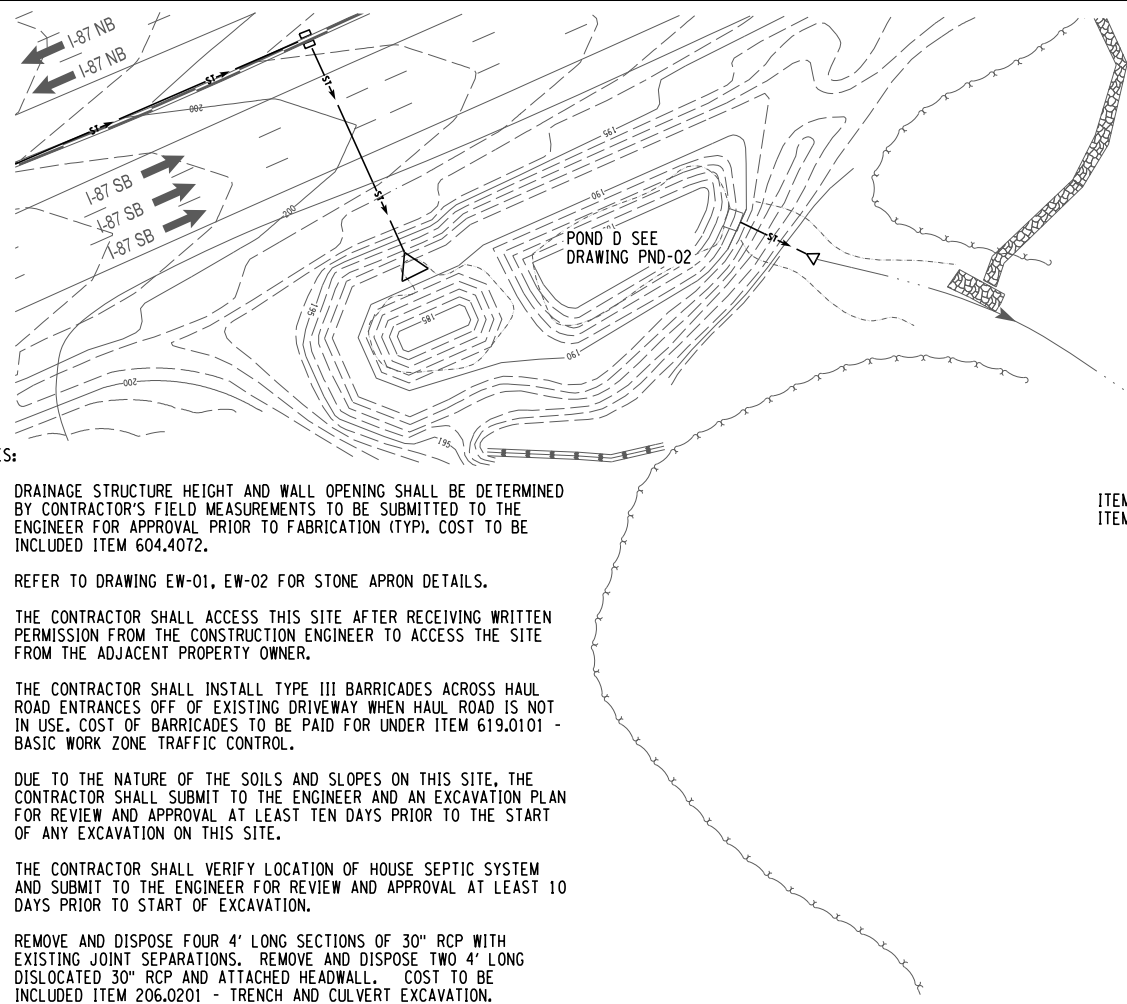
- CIN 14256011BX DELAWARE AVE. EASTBOUND LEFT:
- INSTALL A TEMPORARY HAUL ROAD IF NECESSARY.
 - DISPOSE OF MATERIALS CONTAINING INVASIVE SPECIES.
 - INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
 - REMOVE EXISTING HEADWALL AND ONE 4' SECTION OF 30" RCP.
 - INSTALL A NEW 4' LONG SECTION OF 30" RCP WITH A CONCRETE COLLAR.
 - INSTALL A NEW CONCRETE END SECTION.
 - GRADE, CLEAN, AND RESHAPE EXISTING INLET DITCH.
 - GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
 - CLEAN AND VIDEO INSPECT CULVERT.
 - REPAVE/ REPAIR DRIVEWAY AS NECESSARY

NOTES:

- DRAINAGE STRUCTURE HEIGHT AND WALL OPENING SHALL BE DETERMINED BY CONTRACTOR'S FIELD MEASUREMENTS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION (TYP). COST TO BE INCLUDED ITEM 604.4072.
- REFER TO DRAWING EW-01, EW-02 FOR STONE APRON DETAILS.
- THE CONTRACTOR SHALL ACCESS THIS SITE AFTER RECEIVING WRITTEN PERMISSION FROM THE CONSTRUCTION ENGINEER TO ACCESS THE SITE FROM THE ADJACENT PROPERTY OWNER.
- THE CONTRACTOR SHALL INSTALL TYPE III BARRICADES ACROSS HAUL ROAD ENTRANCES OFF OF EXISTING DRIVEWAY WHEN HAUL ROAD IS NOT IN USE. COST OF BARRICADES TO BE PAID FOR UNDER ITEM 619.0101 - BASIC WORK ZONE TRAFFIC CONTROL.
- DUE TO THE NATURE OF THE SOILS AND SLOPES ON THIS SITE, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AND AN EXCAVATION PLAN FOR REVIEW AND APPROVAL AT LEAST TEN DAYS PRIOR TO THE START OF ANY EXCAVATION ON THIS SITE.
- THE CONTRACTOR SHALL VERIFY LOCATION OF HOUSE SEPTIC SYSTEM AND SUBMIT TO THE ENGINEER FOR REVIEW AND APPROVAL AT LEAST 10 DAYS PRIOR TO START OF EXCAVATION.
- REMOVE AND DISPOSE FOUR 4' LONG SECTIONS OF 30" RCP WITH EXISTING JOINT SEPARATIONS. REMOVE AND DISPOSE TWO 4' LONG DISLOCATED 30" RCP AND ATTACHED HEADWALL. COST TO BE INCLUDED ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION.
- THE CONTRACTOR SHALL RESTORE DRIVEWAY AFTER CONSTRUCTION HAS BEEN COMPLETED. REFER TO NYS DOT STANDARD SHEET 608-03.

NOTE:

THE CONTRACTOR SHALL NOT WORK ON THIS SITE UNTIL NYSTA ALBANY DIVISION RECEIVES THE LANDOWNERS' PERMISSION TO CONDUCT WORK BEYOND THE AUTHORITIES RIGHT OF WAY.



ITEM 617.1000024
 ITEM 617.1100024
 ITEM 621.5100015

ITEM 203.07
 ITEM 553.030004

ITEM 206.0201
 ITEM 555.0021
 ITEM 603.6007
 ITEM 603.7307
 ITEM 603.77
 ITEM 610.1402
 ITEM 610.1601

ITEM 603.9830
 ITEM 621.03
 ITEM 634.0706001

APPROX. LOCATION OF JUNCTION BOX

ITEM 203.03
 ITEM 203.07
 ITEM 206.0201
 ITEM 552.17
 ITEM 603.77 (2EA)
 ITEM 604.4072 - 10 LF +/-
 ITEM 610.1402
 ITEM 610.1601
 ITEM 655.1202
 SEE NOTE 1.

72" INSIDE DIA. ROUND PRECAST MANHOLE

ITEM 203.02
 ITEM 304.12
 ITEM 608.020102
 SEE NOTE 8

ITEM 201.07
 ITEM 203.61000325
 ITEM 209.22
 SEE NOTES 3&4

ITEM 203.07
 ITEM 552.17
 ITEM 603.77 (1 EA)
 ITEM 604.4072 - 13LF +/-
 ITEM 610.1402
 ITEM 610.1601
 ITEM 655.1202
 SEE NOTES 5,6,&7.

72" INSIDE DIA. ROUND PRECAST MANHOLE

ITEM 603.9830 (24LF)
 ITEM 621.03
 ITEM 634.0706001

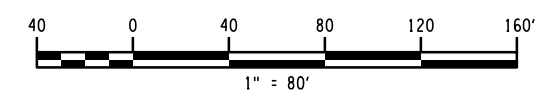
ITEM 203.02
 ITEM 203.03
 ITEM 203.07
 ITEM 206.0201
 ITEM 610.1402
 ITEM 610.1601
 ITEM 552.17
 ITEM 555.0021
 ITEM 603.171814
 ITEM 620.05 - SEE NOTE 2

ITEM 209.1105 - 14 LF @ 50' O.C.
 ITEM 620.04
 ITEM 621.5100015

ITEM	DESCRIPTION	UNITS
201.07	CLEARING AND GRUBBING	AC
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
203.03	EMBANKMENT IN PLACE	CY
203.07	SELECT GRANULAR FILL	CY
203.61000325	TEMPORARY HAUL ROAD	LS
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.1105	CHECK DAM, PREFABRICATED - TEMPORARY	LF
209.22	STABILIZED CONSTRUCTION ACCESS	SY
304.12	SUBBASE COURSE, TYPE 2	CY
552.17	SHIELDS AND SHORING	SF
553.030004	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS)	CY
603.171814	36 INCH DIAMETER, 14 GAUGE	EA
603.6007	REINFORCED CONCRETE PIPE CLASS III, 30 INCH DIAMETER	LF
603.7307	REINFORCED CONCRETE PIPE END SECTIONS 30 INCH DIAMETER	EA
603.9830	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE 30 INCH DIAMETER	LF
603.77	CONCRETE COLLARS	EA
604.4072	ROUND PRECAST MANHOLE, TYPE 72 FOR ROUND MANHOLE FRAME	LF
608.020102	ASPHALT SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS, AND VEGETATION CONTROL STRIPS	TON
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.1100024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
620.04	STONE FILLING (MEDIUM)	CY
620.05	STONE FILLING (HEAVY)	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.5100015	GRADING CLEANING AND RESHAPING EXISTING DITCHES	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF
655.1202	MANHOLE FRAME AND COVER	EA

1-87 MP 142.5+/-
 GENERAL PLAN

CIN 14254011AX, 30" RCP 238' +/-
 CIN 14254011CX, 30" HDPE 24' +/-
 CIN 14256011BX, 30" RCP 180' +/-



ALTERED ON:	AFFIXED ON: 09/24/2025
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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-03

PW:7
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

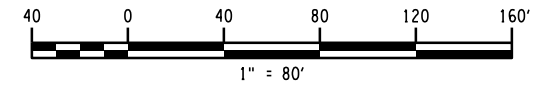
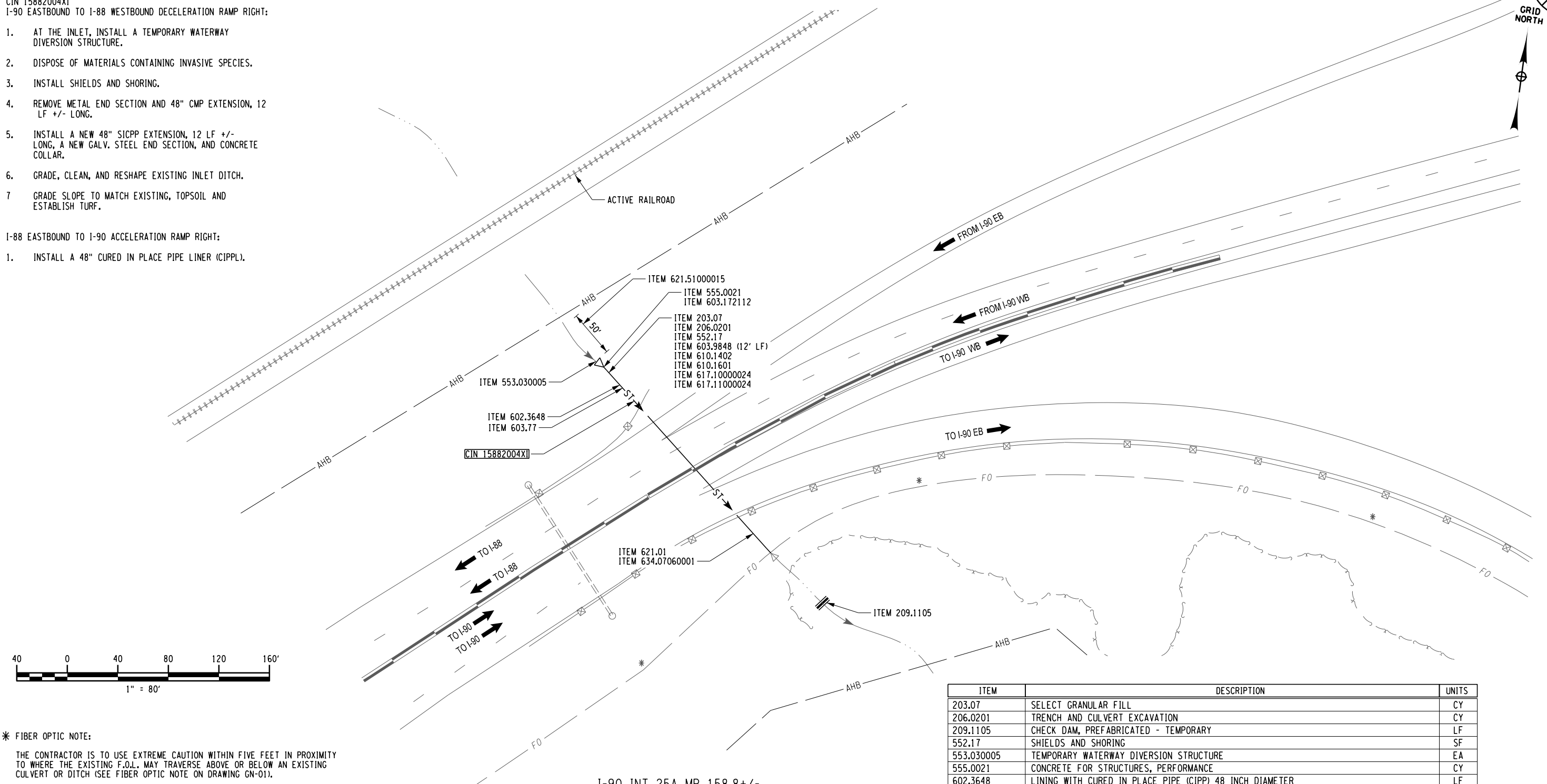
CIN 15882004X1
 I-90 EASTBOUND TO I-88 WESTBOUND DECELERATION RAMP RIGHT:

1. AT THE INLET, INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
2. DISPOSE OF MATERIALS CONTAINING INVASIVE SPECIES.
3. INSTALL SHIELDS AND SHORING.
4. REMOVE METAL END SECTION AND 48" CMP EXTENSION, 12 LF +/- LONG.
5. INSTALL A NEW 48" SICPP EXTENSION, 12 LF +/- LONG, A NEW GALV. STEEL END SECTION, AND CONCRETE COLLAR.
6. GRADE, CLEAN, AND RESHAPE EXISTING INLET DITCH.
7. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.

I-88 EASTBOUND TO I-90 ACCELERATION RAMP RIGHT:

1. INSTALL A 48" CURED IN PLACE PIPE LINER (CIPP).

43
80
GRID NORTH



* FIBER OPTIC NOTE:
 THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-01).

I-90 INT 25A MP 158.8+/-
 GENERAL PLAN

CIN 15882004X1, 48" CMP 180' LF +/- PLUS 48" CMP 12' LF +/- INLET EXT.
 PLUS 10' LF +/- OUTLET EXT.

ITEM	DESCRIPTION	UNITS
203.07	SELECT GRANULAR FILL	CY
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.1105	CHECK DAM, PREFABRICATED - TEMPORARY	LF
552.17	SHIELDS AND SHORING	SF
553.030005	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
602.3648	LINING WITH CURED IN PLACE PIPE (CIPP) 48 INCH DIAMETER	LF
603.172112	GALVANIZED STEEL END SECTION-PIPE 54 INCH DIA., 12 GA.	EA
603.77	CONCRETE COLLARS	EA
603.9848	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE - 48 INCH DIAMETER	LF
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.11000024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
621.01	CLEANING CULVERTS WITH SPAN OF 50 IN OR LESS	LF
621.51000015	GRADING CLEANING AND RESHAPING EXISTING DITCHES	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF

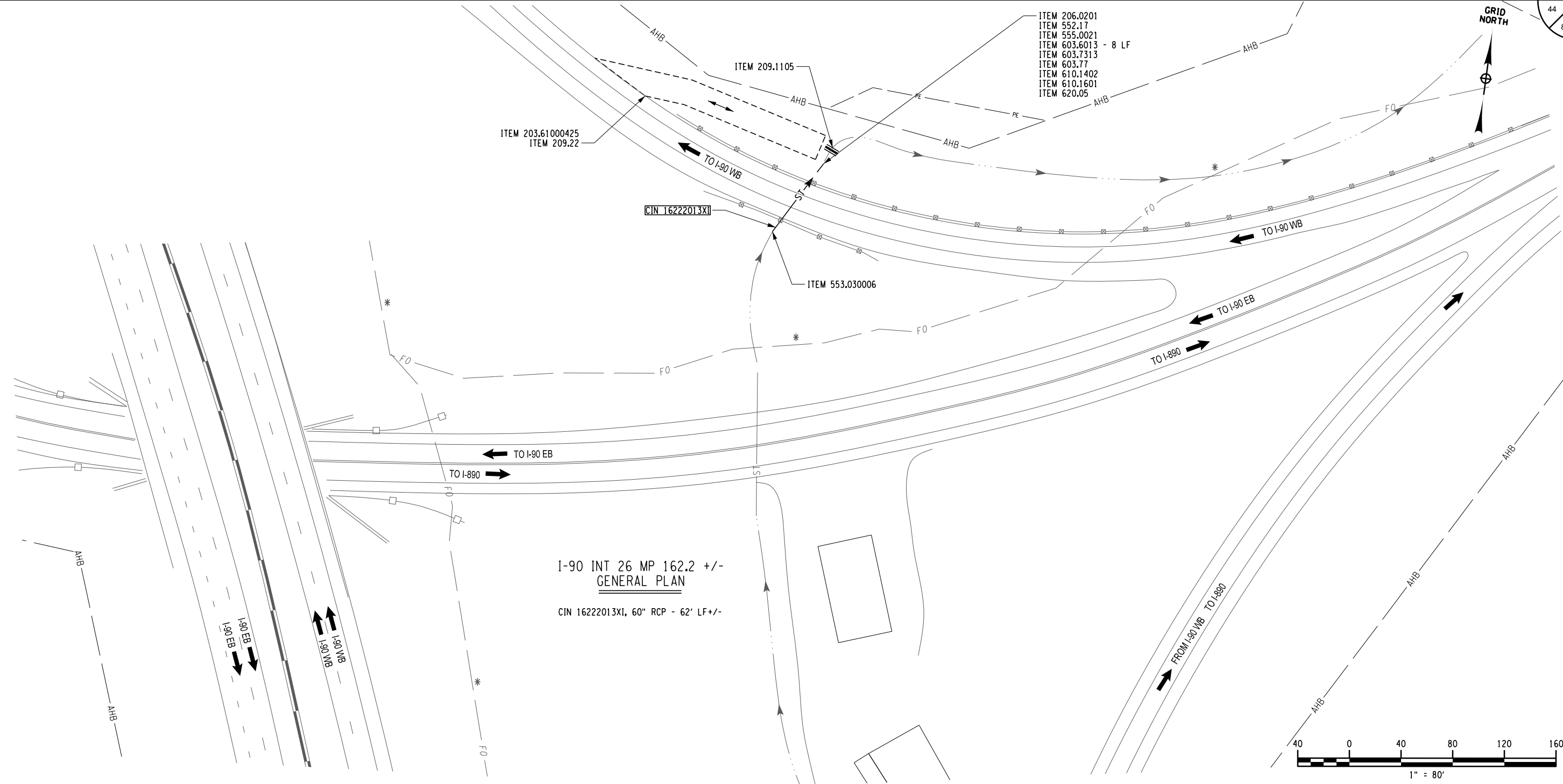
ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 09/24/2025
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/- TITLE OF DRAWING: GENERAL PLAN	CONTRACT NUMBER: TAA 25-23 DATE: 09/2025 DRAWING NUMBER: GNP-04
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*** FIBER OPTIC NOTE:**

THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-01).

CIN 16222013XI
I-90 WESTBOUND ACCELERATION RAMP LEFT:

1. INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.

I-90 WESTBOUND ACCELERATION RAMP RIGHT:

1. INSTALL A TEMPORARY HAUL ROAD IF NECESSARY.
2. AT THE OUTLET, REMOVE AND STOCKPILE EXISTING STONE FILLING (HEAVY), COST TO BE INCLUDED IN ITEM 206.0201.
3. REMOVE TWO 60" RCP - 4 LF LONG SECTIONS, COST TO BE INCLUDED IN ITEM 206.0201.

4. INSTALL TWO NEW 60 INCH DIA. RCP 4 LF LONG SECTIONS WITH A CONCRETE END SECTION WITH CUT OFF WALL.

5. INSTALL MECHANICALLY FASTENED GALVANIZED INTERNAL RESTRAINING DEVICES TIEING THREE RCP SECTIONS AND THE CONCRETE END SECTION.
6. INSTALL CONCRETE COLLAR.
7. REINSTALL EXISTING STONE FILLING (HEAVY) TO STABILIZE SLOPE.
8. INSTALL SHIELDS AND SHORING.
9. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.

ITEM	DESCRIPTION	UNITS
203.61000425	TEMPORARY HAUL ROAD	LS
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.1105	CHECK DAM, PREFABRICATED - TEMPORARY	LF
209.22	STABILIZED CONSTRUCTION ACCESS	SY
552.17	SHIELDS AND SHORING	SF
553.030006	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
603.6013	REINFORCED CONCRETE PIPE CLASS III, 60 INCH DIAMETER	LF
603.7313	REINFORCED CONCRETE PIPE END SECTIONS 60 INCH DIAMETER	EA
603.77	CONCRETE COLLARS	EA
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
620.05	STONE FILLING (HEAVY)	CY

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

LaBella
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TITLE OF PROJECT:
CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK

LOCATION OF PROJECT:
MP 91.3+/- TO MP 197.4+/-
MP B3.7+/- TO MP B21.5+/-

TITLE OF DRAWING:
GENERAL PLAN

CONTRACT NUMBER:
TAA 25-23

DATE:
09/2025

DRAWING NUMBER:
GNP-05

- CIN 16402001AX
EASTBOUND RIGHT:
1. INSTALL A TEMPORARY HAUL ROAD IF NECESSARY.
 2. DISPOSE OF MATERIALS CONTAINING INVASIVE SPECIES.
 3. INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
 4. REMOVE THE EXISTING INLET METAL END SECTION AND CUTOFF WALL. INSTALL 48 INCH CURED IN PLACE PIPE LINER.
 5. INSTALL NEW GALV. STEEL END SECTION WITH CUTOFF WALL AND MED. STONE APRON.
 6. GRADE, CLEAN, AND RESHAPE EXISTING INLET DITCHES TO DRAIN.
 7. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.

- CIN 16405002XX
EASTBOUND RIGHT:
1. IN AREA OF EXISTING SINKHOLE, EXPOSE LEAKING JOINTS IN STRUCTURE AND REPAIR LEAKS PRIOR TO BACKFILLING.
 2. INSTALL 48" CURED IN PLACE PIPE LINER (CIPPL) AFTER OUTLET WORK HAS BEEN PERFORMED.
 3. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.

- WESTBOUND RIGHT:
1. INSTALL A TEMPORARY HAUL ROAD IN THE SAME LOCATION AS THE OLD HAUL ROAD.
 2. DISPOSE OF MATERIALS CONTAINING INVASIVE SPECIES.
 3. REMOVE THE EXISTING OUTLET HEADWALL AND ONE 48" RCP - 4 LF LONG SECTION.
 4. INSTALL ONE NEW 48" RCP - 4 LF LONG SECTION
 5. INSTALL NEW R.C. END SECTION.
 6. INSTALL STONE FILLING (HEAVY) APRON.
 7. GRADE, CLEAN, AND RESHAPE EXISTING OUTLET DITCH TO DRAIN.
 8. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
 9. CLEAN AND VIDEO INSPECT CULVERT.

- CIN 16409003AX
EASTBOUND RIGHT:
1. INSTALL A TEMPORARY HAUL ROAD.
 2. DISPOSE OF MATERIALS CONTAINING INVASIVE SPECIES.
 3. INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
 4. INSTALL A CURED IN PLACE PIPE LINER (CIPPL).
 5. GRADE, CLEAN, AND RESHAPE EXISTING INLET DITCH.
 6. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.

- CIN 16409003XX
EAST BOUND RIGHT:
1. INSTALL A TEMPORARY HAUL ROAD.
 2. DISPOSE OF MATERIALS CONTAINING INVASIVE SPECIES.
 3. REMOVE THE EXISTING OUTLET HEADWALL AND SIX 36" RCP - 4 LF LONG SECTIONS THAT ARE SEPARATED FROM THE UPSTREAM 36" RCP.
 4. REMOVE TWO 36" RCP 4 LF LONG SECTIONS AT THE PRESENT OUTLET.
 5. INSTALL 36" SICPP - 32 LF LONG WITH A CONCRETE COLLAR PLACING FILL TO MATCH ORIGINAL LINES AND GRADES.
 6. INSTALL A CURED IN PLACE PIPE LINER (CIPPL).
 7. INSTALL A GALV. STEEL END SECTION WITH CUTOFF WALL AND A STONE FILLING (HEAVY) APRON.
 8. GRADE, CLEAN, AND RESHAPE EXISTING OUTLET DITCH TO DRAIN.
 9. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
 10. CLEAN AND VIDEO INSPECT CULVERT.

ITEM	DESCRIPTION	UNITS
201.07	CLEARING AND GRUBBING	AC
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
203.03	EMBANKMENT IN PLACE	CY
203.07	SELECT GRANULAR FILL	CY
203.61000X25	TEMPORARY HAUL ROAD(S)	LS
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.1105	CHECK DAM, PREFABRICATED - TEMPORARY	LF
209.13	SILT FENCE - TEMPORARY	LF
209.22	STABILIZED CONSTRUCTION ACCESS	SY
552.17	SHIELDS AND SHORING	SF
553.030007	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
553.030008	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.00021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
602.3636	LINING WITH CURED IN PLACE PIPE (CIPP) 36 INCH DIAMETER	LF
602.3648	LINING WITH CURED IN PLACE PIPE (CIPP) 48 INCH DIAMETER	LF
603.171912	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS) 42 INCH DIAMETER	EA
603.172012	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS) 48 INCH DIAMETER, 12 GAUGE	EA
603.6011	REINFORCED CONCRETE PIPE CLASS III, 48 INCH DIAMETER	LF
603.7311	REINFORCED CONCRETE PIPE END SECTIONS 48 INCH DIAMETER	EA
603.77	CONCRETE COLLARS	EA
603.9836	SMOOTH INTERIOR POLYETHYLENE CULVERT PIPE 36 INCH DIAMETER	LF
604.070101	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.5148	RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS)	LF
606.61	REMOVING AND STORING CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS	EA
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
614.060X0	TREE REMOVAL OVER X INCHES TO X INCHES DIAMETER BREAST HEIGHT - STUMPS GRUBBED	EA
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.1100024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
619.1706--25	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
620.04	STONE FILLING (MEDIUM)	CY
620.05	STONE FILLING (HEAVY)	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
621.51000015	GRADING CLEANING AND RESHAPING EXISTING DITCHES	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF

ALTERED ON: 09/24/2025


AFFIXED ON: 09/24/2025

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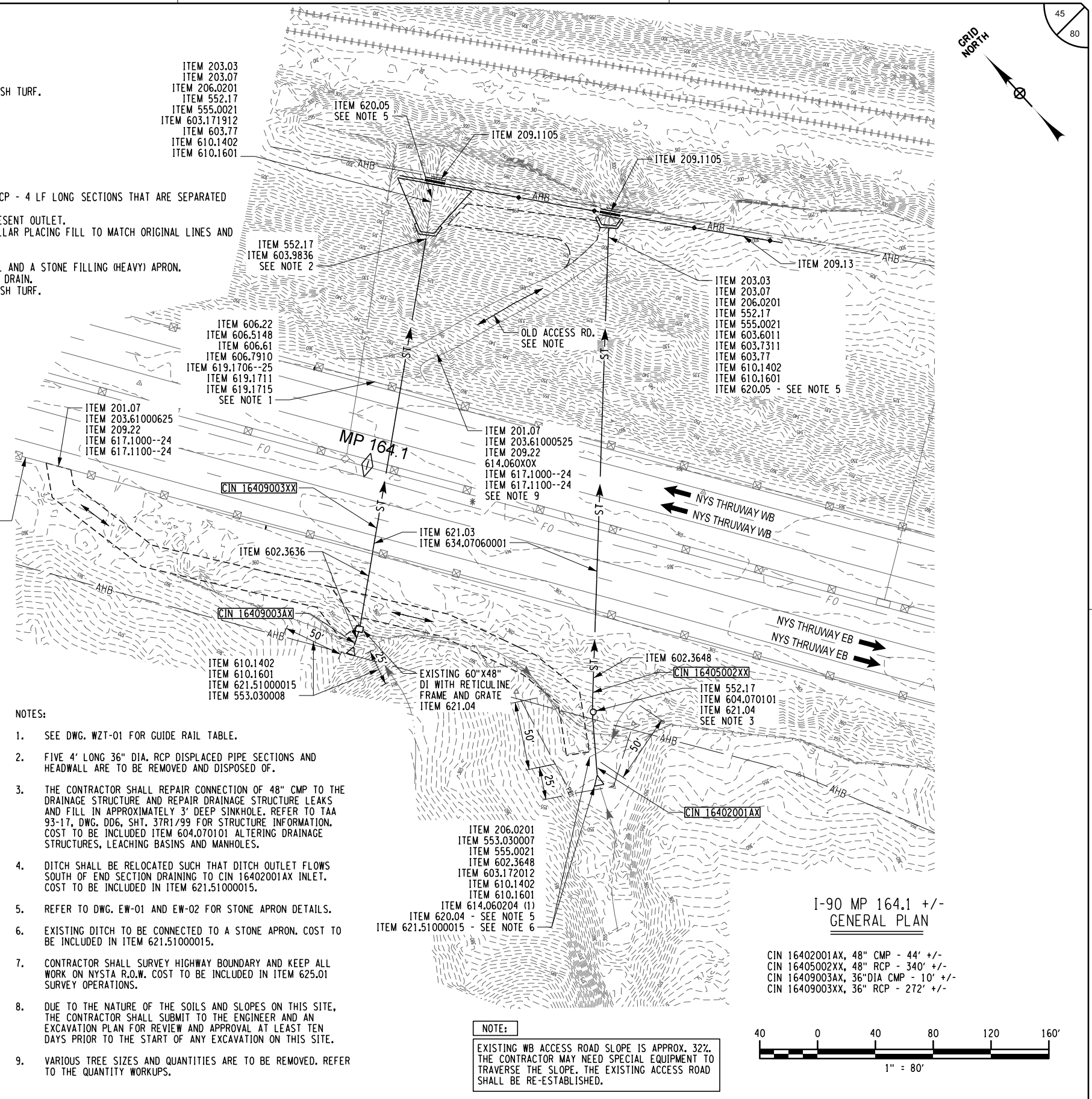
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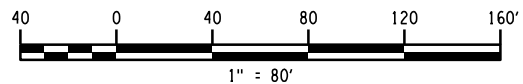
FIBER OPTIC NOTE:
* THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-01).

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- NOTES:
1. SEE DWG. WZT-01 FOR GUIDE RAIL TABLE.
 2. FIVE 4' LONG 36" DIA. RCP DISPLACED PIPE SECTIONS AND HEADWALL ARE TO BE REMOVED AND DISPOSED OF.
 3. THE CONTRACTOR SHALL REPAIR CONNECTION OF 48" CMP TO THE DRAINAGE STRUCTURE AND REPAIR DRAINAGE STRUCTURE LEAKS AND FILL IN APPROXIMATELY 3' DEEP SINKHOLE. REFER TO TAA 93-17, DWG. DD6, SHT. 37R1/99 FOR STRUCTURE INFORMATION. COST TO BE INCLUDED ITEM 604.070101 ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES.
 4. DITCH SHALL BE RELOCATED SUCH THAT DITCH OUTLET FLOWS SOUTH OF END SECTION DRAINING TO CIN 16402001AX INLET. COST TO BE INCLUDED IN ITEM 621.51000015.
 5. REFER TO DWG. EW-01 AND EW-02 FOR STONE APRON DETAILS.
 6. EXISTING DITCH TO BE CONNECTED TO A STONE APRON. COST TO BE INCLUDED IN ITEM 621.51000015.
 7. CONTRACTOR SHALL SURVEY HIGHWAY BOUNDARY AND KEEP ALL WORK ON NYSTA R.O.W. COST TO BE INCLUDED IN ITEM 625.01 SURVEY OPERATIONS.
 8. DUE TO THE NATURE OF THE SOILS AND SLOPES ON THIS SITE, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AND AN EXCAVATION PLAN FOR REVIEW AND APPROVAL AT LEAST TEN DAYS PRIOR TO THE START OF ANY EXCAVATION ON THIS SITE.
 9. VARIOUS TREE SIZES AND QUANTITIES ARE TO BE REMOVED. REFER TO THE QUANTITY WORKUPS.

NOTE:
EXISTING WB ACCESS ROAD SLOPE IS APPROX. 32%. THE CONTRACTOR MAY NEED SPECIAL EQUIPMENT TO TRAVERSE THE SLOPE. THE EXISTING ACCESS ROAD SHALL BE RE-ESTABLISHED.



I-90 MP 164.1 +/-
GENERAL PLAN

CIN 16402001AX, 48" CMP - 44' +/-
CIN 16405002XX, 48" RCP - 340' +/-
CIN 16409003AX, 36" DIA CMP - 10' +/-
CIN 16409003XX, 36" RCP - 272' +/-

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-06

PW/ CHECKED BY: R. BENNETT DRAFTED BY: E. ROSENZWEIG CHECKED BY: M. DUVAL DESIGNED BY: B. DEHAAN DESIGN SUPERVISOR: R. BENNETT

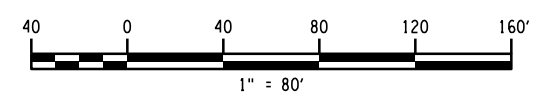
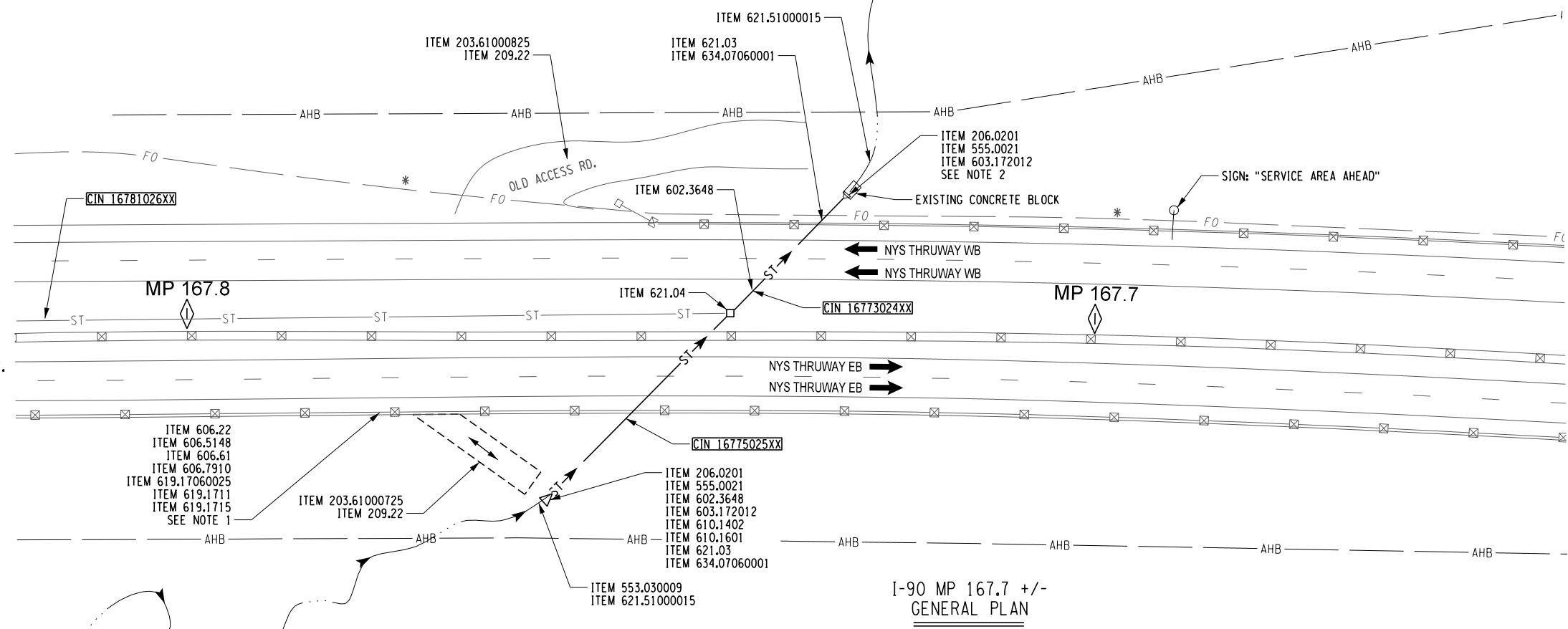
- CIN 16773024XX
WESTBOUND RIGHT:
1. INSTALL A TEMPORARY HAUL ROAD.
 2. REMOVE EXISTING END SECTION.
 3. INSTALL NEW GALV. STEEL END SECTION WITH SHORT CUTOFF WALL ON EXISTING CONCRETE WEDGE SUPPORT.

- WESTBOUND LEFT:
1. INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
 2. CLEAN DI. INSTALL CURED IN PLACE PIPE LINER (CIPPL).
 3. CLEAN AND VIDEO INSPECT CULVERT.

- CIN 16775025XX
EASTBOUND RIGHT:
1. INSTALL A TEMPORARY HAUL ROAD.
 2. INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
 3. REMOVE METAL END SECTION.
 4. INSTALL CURED IN PLACE PIPE LINER (CIPPL).
 5. INSTALL NEW GALV. STEEL END SECTION WITH CUTOFF WALL.
 6. GRADE, CLEAN, AND RESHAPE EXISTING INLET DITCH TO DRAIN.
 7. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
 8. CLEAN AND VIDEO INSPECT CULVERT.

- NOTES:
1. SEE DWG. WZT-01 FOR GUIDE RAIL TABLE.
 2. SEE DWG. MD-02 FOR END SECTION DETAILS DETAILS.

FIBER OPTIC NOTE:
* THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-01).



I-90 MP 167.7 +/-
GENERAL PLAN

CIN 16773024XX, 48" RCP - 89' +/-, 48" CMP, 17' +/- INLET EXT.
CIN 16775025XX, 48" RCP - 88' +/-, 48" CMP, 17' +/- OUTLET EXT.
CIN 16781026XX, 12" RCP - 393' +/-

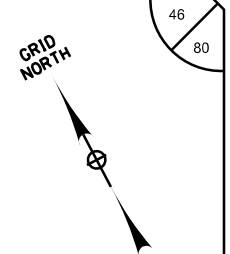
ITEM	DESCRIPTION	UNITS
203.61000825	TEMPORARY HAUL ROAD(S)	LS
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.22	STABILIZED CONSTRUCTION ACCESS	SY
553.030009	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
602.3648	LINING WITH CURED IN PLACE PIPE (CIPP) 48 INCH DIAMETER	LF
603.172012	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS) 48 INCH DIAMETER, 12 GAUGE	EA
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.5148	RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS)	LF
606.61	REMOVING AND STORING CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
621.51000015	GRADING CLEANING AND RESHAPING EXISTING DITCHES	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYL

 	TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: GENERAL PLAN	DRAWING NUMBER: GNP-07	

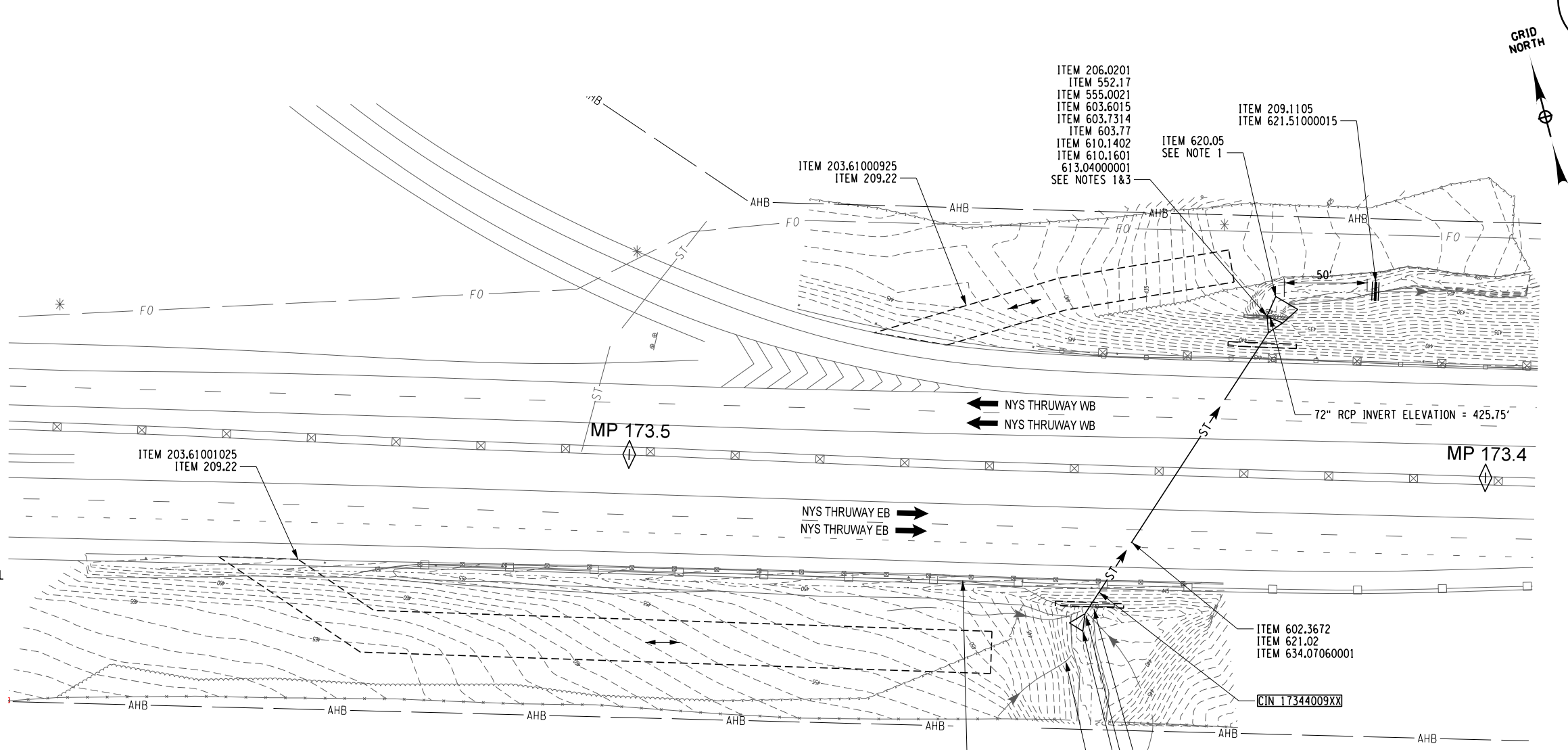


PW/ R. BENNETT
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

- NOTES:**
- REFER TO ST, MD AND EW DRAWINGS FOR DETAILS.
 - ITEM 602.3672 DESIGN REQUIREMENTS INCLUDE:
 - THE CULVERTS MAXIMUM DEPTH COVER OF COVER IS APPROXIMATELY 7' OVER THE PIPE CROWN.
 - THE ESTIMATED MODULUS OF SOIL REACTION $E' = 700$ PSI.
 - THE ESTIMATED WATER TABLE ELEVATION ABOVE THE CULVERT INVERT IS 6 FEET.
 - THE CONTRACTOR SHALL REMOVE ONLY THE MINIMUM STREAM BED MATERIAL NECESSARY TO INSTALL THE NEW PIPE LININGS AND STONE APRON. EXISTING STREAM BED MATERIAL WILL BE STORED IN AN UPLAND LOCATION FOR LATER USE. ONCE THE CULVERTS ARE LINED WITH NEW PIPE, THE MATERIAL WHICH WAS REMOVED WILL BE USED TO RESTORE THE STREAM BED TO THE PRE-CONSTRUCTION CONDITIONS. COST TO BE INCLUDED IN ITEM 613.04000001.
 - SEE DWG. WZT-01 FOR GUIDE RAIL TABLE.
 - THE CONTRACTOR SHALL ACCESS FROM THE WEST BOUND RIGHT SHOULDER TO THE CULVERT OUTLET. COST TO BE INCLUDED IN ITEM 203.61000925.
 - THE CONTRACTOR SHALL REMOVE BRANCHES AND DEBRIS RESTRICTING FLOW WITHIN 50' OF CULVERT INLET A.O.B.E. COST TO BE INCLUDED IN ITEM 602.3672.
 - THE CONTRACTOR SHALL RESTORE THIS SITE TO ORIGINAL LESS TREES AND BRUSH A.O.B.E. COST TO BE INCLUDED IN ITEM 203.61000925 AND 203.61001025.

- CIN 17344009XX EASTBOUND RIGHT:**
- INSTALL A TEMPORARY HAUL ROAD IF NECESSARY.
 - INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
 - EXTEND 72" DIAM. PIPE A MINIMUM OF 4 FT. FROM THE EXISTING HEADWALL WITH 72" DIAM. RCP AND A CONCRETE COLLAR.
 - INSTALL NEW R.C. END SECTION WITH A CUTOFF WALL. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
 - GRADE, CLEAN, AND RESHAPE EXISTING INLET DITCH TO DRAIN.

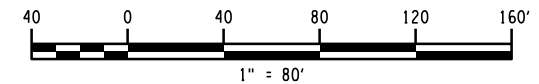
- WESTBOUND RIGHT:**
- INSTALL A TEMPORARY HAUL ROAD IF NECESSARY.
 - INSTALL SHIELDS AND SHORING.
 - REPLACE TWO SECTIONS OF PIPE WITH NEW 4 LF 72" RCP SECTIONS AND A CONCRETE COLLAR.
 - EXTEND 72" DIAM. PIPE A MINIMUM OF 4 FT. FROM THE EXISTING HEADWALL WITH 72" DIAM. RCP AND A CONCRETE COLLAR
 - LINE PIPE WITH A 72" DIAM. CURED-IN-PLACE-PIPE LINER (CIPPL).
 - INSTALL NEW R.C. END SECTION WITH CUTOFF WALL. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
 - GRADE, CLEAN, AND RESHAPE EXISTING INLET DITCH TO DRAIN.



ITEM	DESCRIPTION	UNITS
203.6100XX25	TEMPORARY HAUL ROAD(S)	LS
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.1105	CHECK DAM, PREFABRICATED - TEMPORARY	LF
209.22	STABILIZED CONSTRUCTION ACCESS	SY
552.17	SHIELDS AND SHORING	SF
553.030010	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
602.3672	LINING WITH CURED IN PLACE PIPE (CIPP) 72 INCH DIAMETER	LF
603.6015	REINFORCED CONCRETE PIPE CLASS III, 72 INCH DIAMETER	LF
603.7314	REINFORCED CONCRETE PIPE END SECTIONS 72 INCH DIAMETER	EA
603.77	CONCRETE COLLARS	EA
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.5801	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING (NEW POSTS)	LF
606.66	REMOVING AND STORING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
613.04000001	STOCKPILING AND PLACING EXISTING STREAM BED MATERIALS	CY
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
620.05	STONE FILLING (HEAVY)	CY
621.02	CLEANING CULVERTS WITH SPAN OF MORE THAN 50 IN.	LF
621.51000015	GRADING CLEANING AND RESHAPING EXISTING DITCHES	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF

I-90 MP 173.4 +/-
 GENERAL PLAN
 CIN 17344009XX 72" RCP - 200' +/-

FIBER OPTIC NOTE:
 * THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-01).



ALTERED ON: _____ AFFIXED ON: **09/24/2025**

SIGNATURE: _____ STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-08

CIN 17359006X1
SOUTHERLY OF THE RAMP:

1. INSTALL A TEMPORARY HAUL ROAD IF NECESSARY.
2. INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE IF NECESSARY.
3. INSTALL A CONCRETE END SECTION AND CUTOFF WALL.
4. INSTALL A CURED IN PLACE PIPE LINER (CIPPL).
5. INSTALL A STONE FILL (MED.) APRON.
6. CLEAN, GRADE AND RESHAPE EXISTING ROADSIDE SECTION.
7. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.

NORTHERLY OF THE RAMP:

1. INSTALL A TEMPORARY HAUL ROAD IF NECESSARY.
2. INSTALL A 10 LF LONG SICPP PIPE EXTENSION.
3. INSTALL GALV. STEEL END SECTION AND A CUTOFF WALL.
4. INSTALL A STONE FILL (MED.) APRON.
5. INSTALL A 3 FT. X 6 FT. X 10 FT. STONE FILL (HEAVY) FLOW DEFLECTOR TO REDIRECT OUTFALL.
6. CLEAN, GRADE, AND RESHAPE EXISTING ROADSIDE SECTION.
7. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.

NOTES:

1. DRAINAGE STRUCTURE HEIGHT AND WALL OPENING SHALL BE DETERMINED BY CONTRACTOR'S FIELD MEASUREMENTS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION (TYP). A POURED IN PLACE THRUST BLOCK SHALL BE INSTALLED. REFER TO MD DRAWINGS. COST TO BE INCLUDED IN RESPECTIVE ITEMS.
2. REFER TO DWG. EW-01 AND EW-02 FOR STONE APRON DETAILS.
3. DUE TO THE NATURE OF THE SOILS AND SLOPES ON THIS SITE, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AND AN EXCAVATION PLAN FOR REVIEW AND APPROVAL AT LEAST TEN DAYS PRIOR TO THE START OF ANY EXCAVATION ON THIS SITE.
4. SEE DWG. WZT-01 FOR GUIDE RAIL TABLE

GRID NORTH

ITEM	DESCRIPTION	UNITS
203.6100X25	TEMPORARY HAUL ROAD(S)	LS
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.22	STABILIZED CONSTRUCTION ACCESS	SY
552.17	SHIELDS AND SHORING	SF
553.030011	TEMPORARY WATER DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
602.3636	LINING WITH CURED IN PLACE PIPE (CIPP) 36 INCH DIAMETER	LF
603.171912	GALVANIZED STEEL END SECTION-PIPE (2-2/3" X 1/2" CORRUGATIONS) 42" DIA., 12 GAUGE	EA
603.7309	REINFORCED CONCRETE PIPE END SECTIONS 36 INCH DIAMETER	EA
603.77	CONCRETE COLLARS	EA
603.9836	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORMDRAIN 36 INCH DIAMETER	LF
606.120101	BOX BEAM END PIECE	EA
606.5348	RESETTING BOX BEAM GUIDE RAILING (NEW POSTS)	LF
606.63	REMOVING AND STORING BOX BEAM GUIDE RAILING	LF
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TE RMINAL	EA
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
620.04	STONE FILLING (MEDIUM)	CY
620.05	STONE FILLING (HEAVY)	CY
621.01	CLEANING CULVERTS WITH SPAN OF 50 IN. OR LESS	LF
621.51000015	GRADING CLEANING AND RESHAPING EXISTING DITCHES	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF

ALTERED ON: 09/24/2025

SIGNATURE:
STAMP:



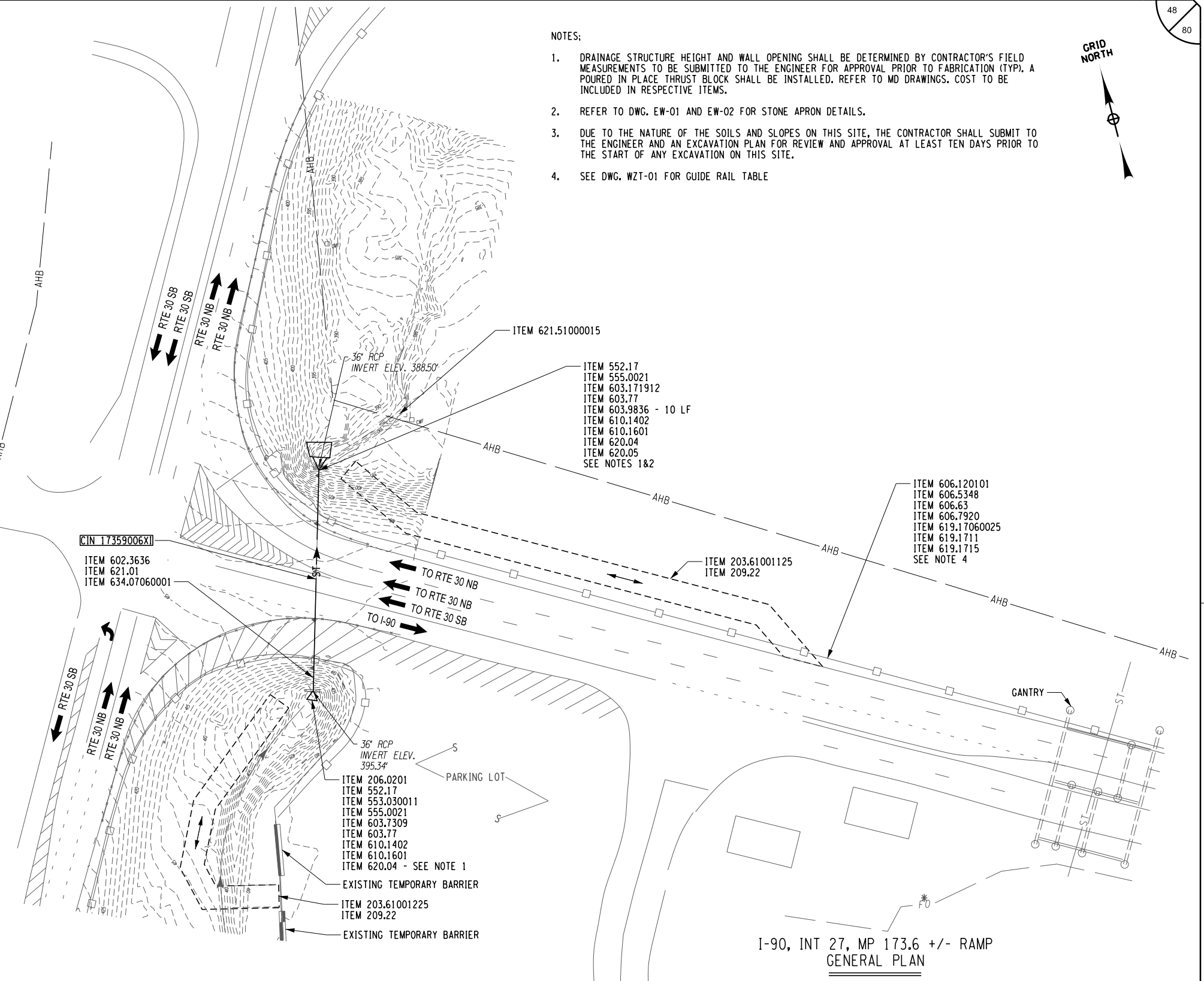
FIBER OPTIC NOTE:
* THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-01).

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: GENERAL PLAN	DRAWING NUMBER: GNP-09

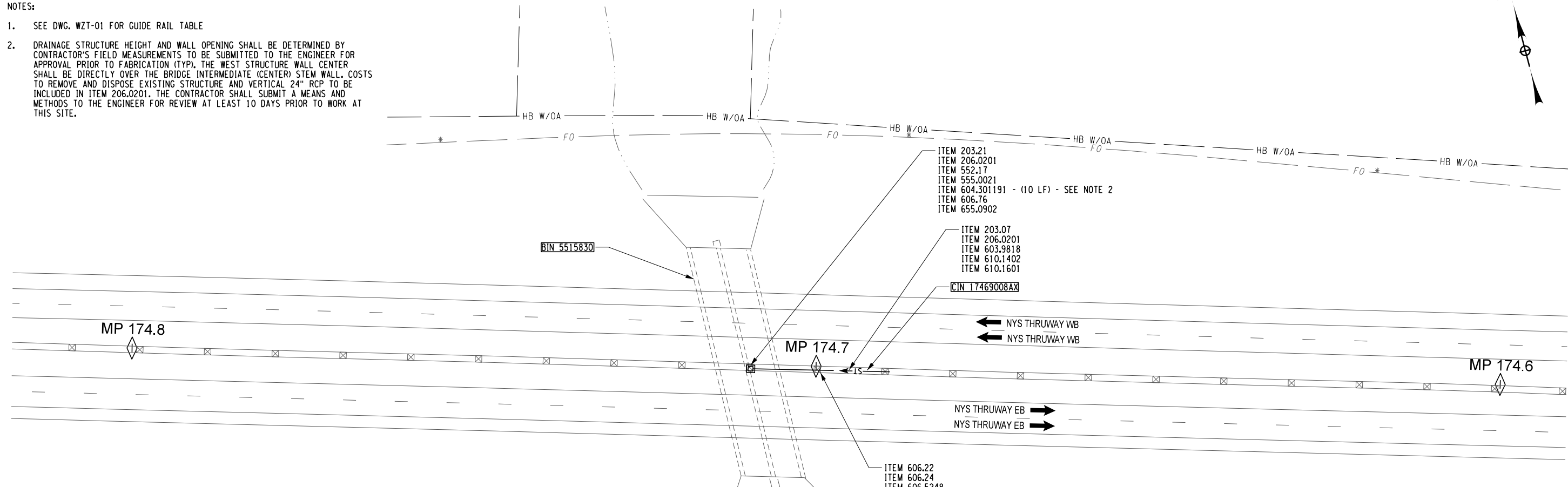


I-90, INT 27, MP 173.6 +/- RAMP
GENERAL PLAN

CIN 17359006X1 36" RCP - 157' +/-

NOTES:

- SEE DWG. W2T-01 FOR GUIDE RAIL TABLE
- DRAINAGE STRUCTURE HEIGHT AND WALL OPENING SHALL BE DETERMINED BY CONTRACTOR'S FIELD MEASUREMENTS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION (TYP). THE WEST STRUCTURE WALL CENTER SHALL BE DIRECTLY OVER THE BRIDGE INTERMEDIATE (CENTER) STEM WALL. COSTS TO REMOVE AND DISPOSE EXISTING STRUCTURE AND VERTICAL 24" RCP TO BE INCLUDED IN ITEM 206.0201. THE CONTRACTOR SHALL SUBMIT A MEANS AND METHODS TO THE ENGINEER FOR REVIEW AT LEAST 10 DAYS PRIOR TO WORK AT THIS SITE.



ITEM	DESCRIPTION	UNITS
203.07	SELECT GRANULAR FILL	CY
203.21	SELECT STRUCTURE FILL	CY
206.0201	TRENCH AND CULVERT EXCAVATION	CY
552.17	SHIELDS AND SHORING	SF
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
603.9818	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 18 INCH DIA.	LF
604.301191	RECTANGULAR DRAINAGE STRUCTURE TYPE K FOR PARALLEL BAR #11PCB FRAME	LF
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.24	ANCHORAGE UNITS FOR CORRUGATED BEAM MEDIAN BARRIER	EA
606.5248	RESETTING CORRUGATED BEAM MEDIAN BARRIER (NEW POSTS)	LF
606.62	REMOVING AND STORING CORRUGATED BEAM MEDIAN BARRIER	LF
606.76	REMOVING AND DISPOSING OF GUIDE POSTS, GUIDE RAIL POSTS, AND MEDIAN BARRIER POSTS	EA
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
619.17060025	LINEAR DELINEATION SYSTEM	LF
655.0902	PARALLEL BAR FRAME 11 PCB & PARALLEL BAR GRATE 11 PCB	EA

I-90 MP 174.7 +/-
GENERAL PLAN

CIN 17469008AX 18" CMP, 105' +/-
BIN 5515830 TWIN BOX CULVERT BRIDGE, EACH SPAN = 24' +/-

CIN 17469008AX

WESTBOUND LEFT DI (CIN INLET):

- AFTER INSTALLING TEMPORARY BARRIER NEAR EASTBOUND AND WESTBOUND PASSING LANES, REMOVE AND DISPOSE OF EXISTING DI WITH CUSTOM VERTICAL PIPE EXTENSION OVER BIN 5515830 TO TOP OF SLAB, REMOVE 4 FT. OF EXISTING CIN. INSTALL BULKHEAD AT OUTLET END OF EXISTING CIN.
- INSTALL A NEW DI WITH EXISTING CULVERT OUTLET WITH WESTERLY DI SIDE ALIGNED DIRECTLY ABOVE THE INTERMEDIATE CHANNEL WALL.
- REMOVE MEDIAN RAIL BEFORE REMOVING DI.
- REINSTALL MEDIAN RAIL WITH NEW POSTS.

WESTBOUND LEFT DI (CIN INLET):

- REMOVE EXISTING DRAINAGE STRUCTURE TO TOP OF EXISTING CIN.
- PLACE CONTROLLED LOW STRENGTH MATERIAL (ITEM 204.01) IN EXISTING CIN.
- INSTALL NEW DRAINAGE STRUCTURE AT SAME LOCATION SUCH THAT NEW OUTLET PIPE CROWN IS A MINIMUM OF 6 INCHES BELOW MEDIAN RAIL POSTS.
- INSTALL NEW 18 INCH DIAM. SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT STORM DRAIN PIPE (SCPP) FROM NEW DI TO DI OVER BOX CULVERT. INSTALL PIPE AT AN ELEVATION SUCH THAT THE CROWN OF THE PIPE IS 6 INCHES BELOW THE MEDIAN RAIL POSTS.
- BACKFILL PIPE AND DI AS PER STANDARD SHEETS. GRADE DITCH LINE AND RESTORE USING TOPSOIL AND SEED.

* FIBER OPTIC NOTE:

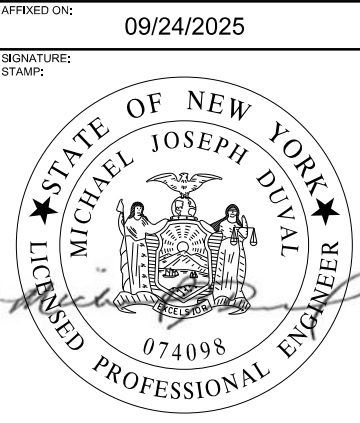
THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-01).

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-10



ALTERED ON: _____ AFFIXED ON: 09/24/2025

SIGNATURE: _____ STAMP: _____

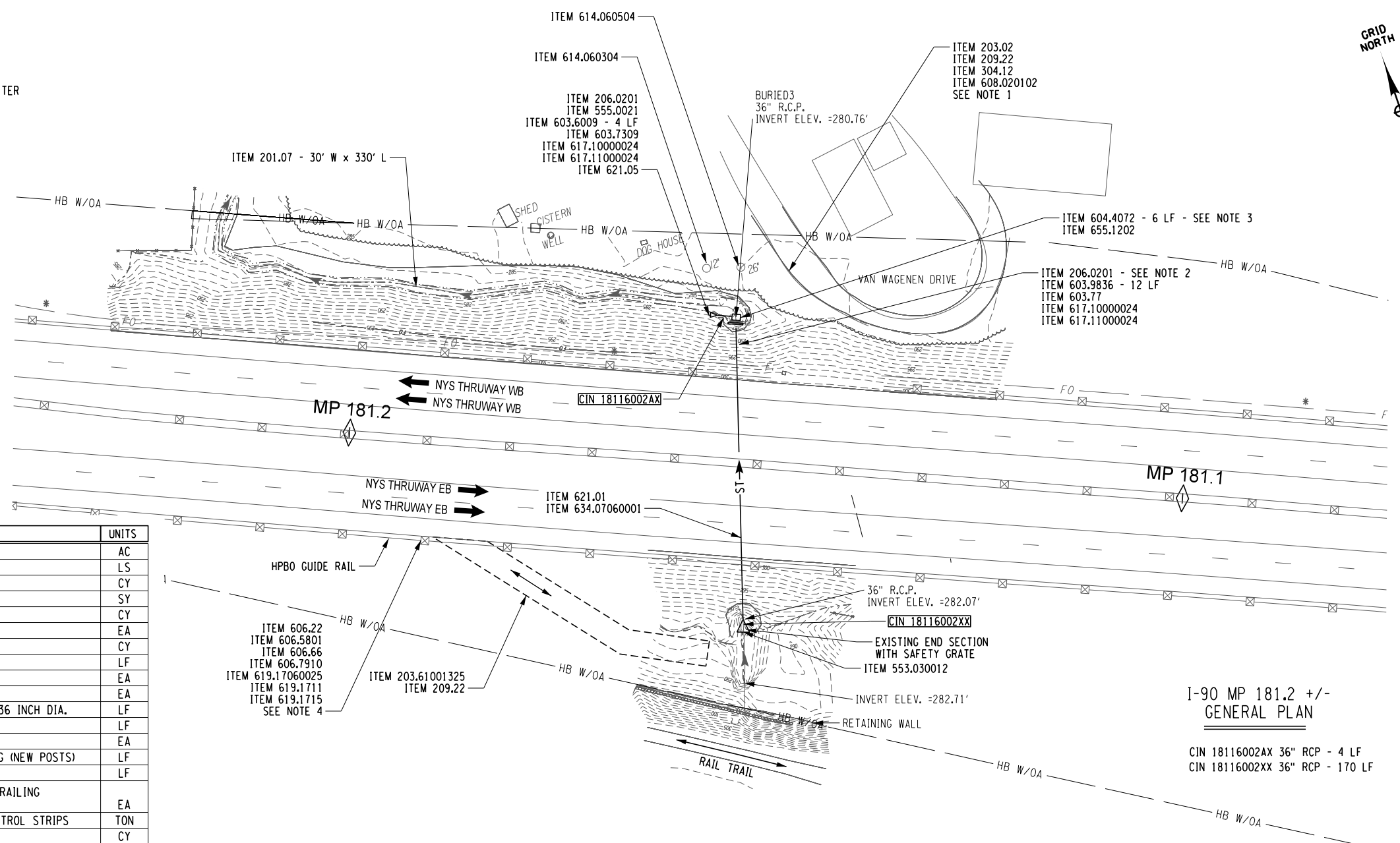
PW/ R. BENNETT
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

CIN 18116002XX
WESTBOUND RIGHT:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE IF NECESSARY, FROM NEIGHBOR'S DRIVE AFTER OBTAINING OWNER'S WRITTEN PERMISSION.
2. REMOVE AND GRUB TWO DEAD ASH TREES NEAR CULVERT OUTLET.
3. INSTALL SHIELDS AND SHORING.
4. REMOVE HEADWALL WITH FIRST SECTION OF 36" RCP.
5. INSTALL 36" SICPP 12' LONG. INSTALL NEW 72 DIAM. MANHOLE WITH COVER.
6. INSTALL 36" RCP 4' LONG WITH CONCRETE END SECTION WITH CUTOFF WALL.
7. CLEAN, GRADE AND RESHAPE EXISTING ROADSIDE SECTION.
8. REMOVE AND DISPOSE OF INVASIVE SPECIES.
9. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
10. REPAVE/REPAIR DRIVEWAY AS NEEDED.

EASTBOUND RIGHT:

1. INSTALL TEMPORARY HAUL ROAD IF NECESSARY.
2. INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
3. REMOVE SAFETY GRATE AND STORE IN DIVISION APPROVED LOCATION.
4. CLEAN AND VIDEO INSPECT CULVERT.



ITEM	DESCRIPTION	UNITS
201.07	CLEARING AND GRUBBING	AC
203.61001325	TEMPORARY HAUL ROAD	LS
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.22	STABILIZED CONSTRUCTION ACCESS	SY
304.12	SUBBASE COURSE, TYPE 2	CY
553.030012	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
603.6009	REINFORCED CONCRETE PIPE CLASS III, 36 INCH DIAMETER	LF
603.7309	REINFORCED CONCRETE PIPE END SECTIONS 36 INCH DIAMETER	EA
603.77	CONCRETE COLLARS	EA
603.9836	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 36 INCH DIA.	LF
604.4072	ROUND PRECAST CONCRETE MANHOLE TYPE 72	LF
606.22	ROUND PRECAST CONCRETE MANHOLE TYPE 72	EA
606.5801	ESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING (NEW POSTS)	LF
606.66	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA
608.020102	ASPHALT SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS, AND VEGETATION CONTROL STRIPS	TON
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
614.060304	TREE REMOVAL OVER 12 INCHES TO 18 INCHES DIAMETER BREASTHEIGHT - STUMPS GRUBBED	EA
614.060504	TREE REMOVAL OVER 24 INCHES TO 36 INCHES DIAMETER BREASTHEIGHT - STUMPS GRUBBED	EA
617.10000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	EA
617.11000024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	CY
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
621.01	CLEANING CULVERTS WITH SPAN OF 50 IN. OR LESS	LF
621.05	CLEAN, GRADE AND SHAPE EXISTING ROADSIDE SECTION	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF
655.1202	MANHOLE FRAME AND COVER	EA

ALTERED ON: 09/24/2025

AFFIXED ON: 09/24/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

LaBella
Powered by partnership.

TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK

LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/-
MP B3.7+/- TO MP B21.5+/-

TITLE OF DRAWING: GENERAL PLAN

CONTRACT NUMBER: TAA 25-23

DATE: 09/2025

DRAWING NUMBER: GNP-11

NOTES:

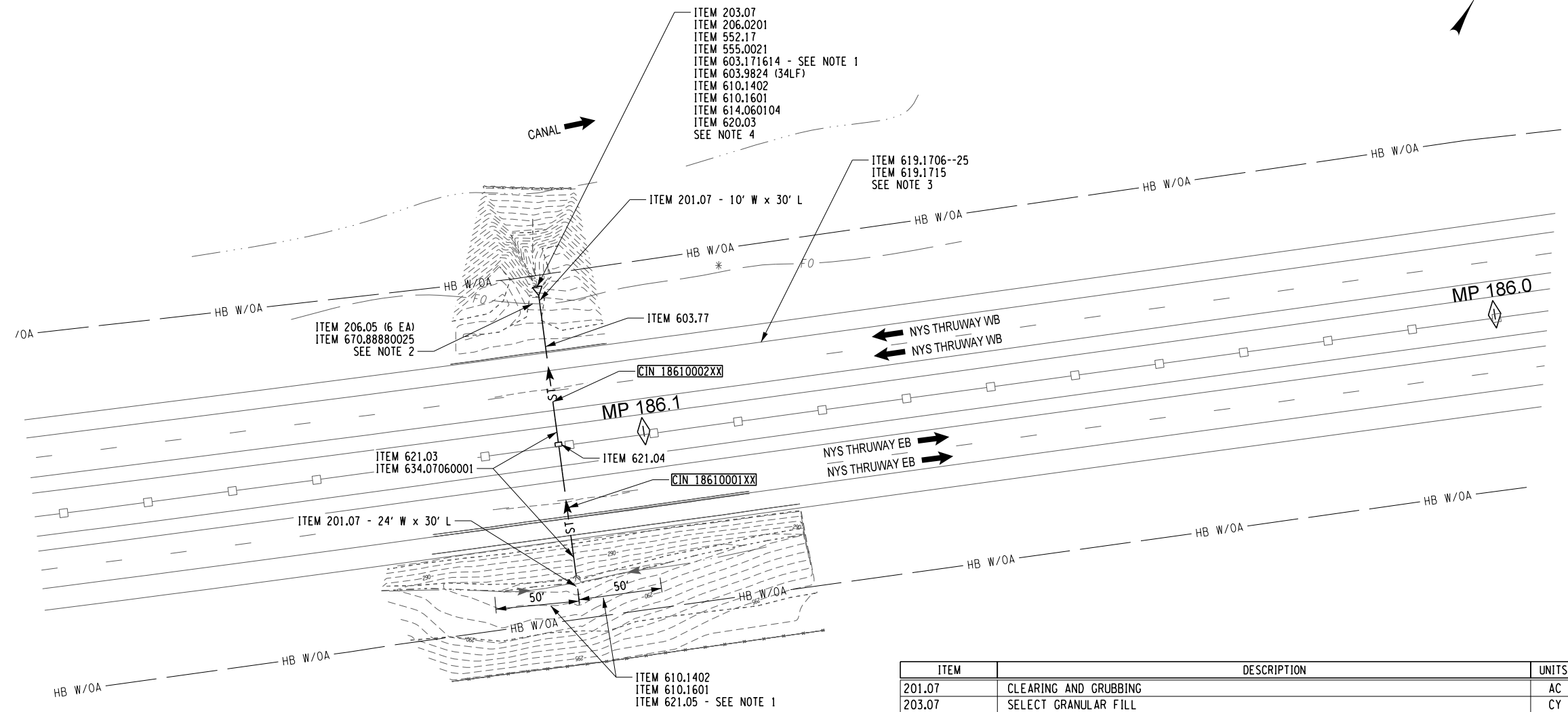
1. THE CONTRACTOR SHALL ACCESS THIS SITE AFTER RECEIVING WRITTEN PERMISSION FROM THE CONSTRUCTION ENGINEER TO ACCESS THE SITE FROM THE ADJACENT PROPERTY OWNER. THE CONTRACTOR SHALL RESTORE DRIVEWAY AFTER CONSTRUCTION HAS BEEN COMPLETED. REFER TO NYS DOT STANDARD SHEET 608-03.
2. REMOVE HEADWALL AND ONE 36" RCP 4' LONG SECTION. COST TO BE INCLUDED ITEM 206.0201.
3. DRAINAGE STRUCTURE HEIGHT AND WALL OPENING SHALL BE DETERMINED BY CONTRACTOR'S FIELD MEASUREMENTS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION (TYP).
4. SEE DWG. W2T-01 FOR GUIDE RAIL TABLE.

* FIBER OPTIC NOTE:

THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-011).

- CIN 18610001XX
EASTBOUND RIGHT:
- CLEAN, GRADE AND RESHAPE EXISTING ROADSIDE SECTION TO DRAIN TO THE INLET 50' IN EACH DIRECTION.
 - GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
 - CLEAN AND VIDEO INSPECT CULVERT.

- CIN 18610002XX
WESTBOUND RIGHT:
- RELOCATE EXISTING FIBER OPTIC LINE (FOL) FROM CENTER OF 24" DIA. PERFORATED CMP.
 - CUT AND REMOVE ENTIRE 24" CMP.
 - REMOVE EXISTING CONCRETE COLLAR AND ONE 24" RCP 4 LF LG. SECTION.
 - INSTALL 24" SMOOTH INTERIOR CORRUGATED PLASTIC PIPE (SICPP) WITH CONCRETE COLLAR.
 - INSTALL GALV. STEEL END SECTION WITH CUTOFF WALL.
 - INSTALL OUTLET STONE FILL (LIGHT) APRON.
 - CLEAN MEDIAN DI.
 - CLEAN AND VIDEO INSPECT CULVERT.



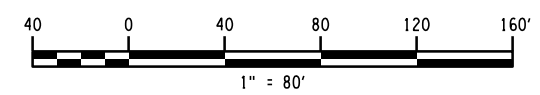
- NOTES:
- REFER TO MD AND EW DRAWINGS FOR DETAILS.
 - REFER TO THRUWAY STANDARD SHEET TA 670-01 FOR DETAILS.
 - REFER TO WZP DRAWINGS.
 - REFER TO DRAWING GN-02 FOR NOTES RELATED TO THE NEW YORK STATE CANAL CORPORATION (NYS CC) OR THE CANAL.

* FIBER OPTIC NOTE:
THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-01).

I-90 MP 186.1+/-
GENERAL PLAN

CIN 18610001XX 24" RCP 64'+/- LG. PLUS 24" CMP INLET EXT. 15'+/- LG.
CIN 18610002XX 24" RCP 64'+/- LG. PLUS 24" CMP OUTLET EXT. 30'+/- LG.

ITEM	DESCRIPTION	UNITS
201.07	CLEARING AND GRUBBING	AC
203.07	SELECT GRANULAR FILL	CY
206.0201	TRENCH AND CULVERT EXCAVATION	CY
206.05	TEST PIT EXCAVATION	EA
552.17	SHIELDS AND SHORING	SF
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
603.171614	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS)	EA
603.77	CONCRETE COLLARS	EA
603.9824	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORMDRAIN 24 INCH DIAMETER	LF
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
614.060104	TREE REMOVAL OVER 4 INCHES TO 6 INCHES DIAMETER BREAST HEIGHT - STUMPS GRUBBED	EA
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
620.03	STONE FILLING (LIGHT)	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	EA
621.05	CLEAN, GRADE AND SHAPE EXISTING ROADSIDE SECTION	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF
670.88880025	RELOCATING EXISTING FIBER OPTIC INFRASTRUCTURE	LF



ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING: GENERAL PLAN	DRAWING NUMBER: GNP-12

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN

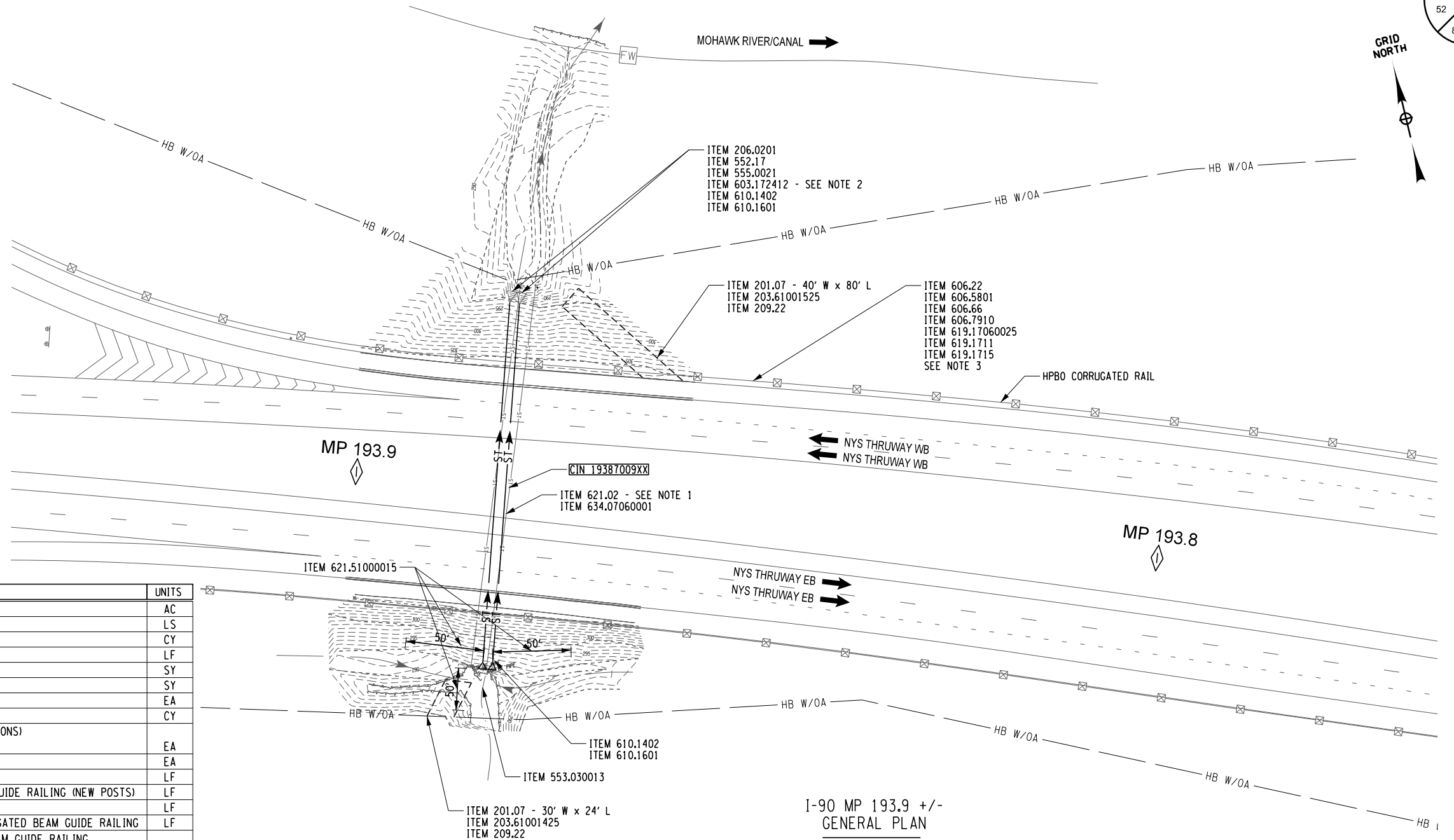
PW/ R. BENNETT
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

CIN 19387009XX
WESTBOUND RIGHT:

1. INSTALL A TEMPORARY HAUL ROAD IF NECESSARY.
2. INSTALL SHIELDS AND SHORING.
3. INSTALL TEMPORARY WATERWAY DIVERSION STRUCTURE.
4. INSTALL SILT FENCE.
5. REMOVE EXISTING 72" CMP OUTLET END SECTIONS.
6. INSTALL NEW 72" CMP END SECTIONS WITH CONCRETE CUTOFF WALLS.
7. CLEAN, GRADE AND RESHAPE EXISTING ROADSIDE SECTION.
8. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
9. CLEAN AND VIDEO INSPECT CULVERT.

EASTBOUND RIGHT:

1. INSTALL A TEMPORARY HAUL ROAD IF NECESSARY.
2. INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
3. CLEAN, GRADE AND RESHAPE EXISTING ROADSIDE SECTION.
4. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.



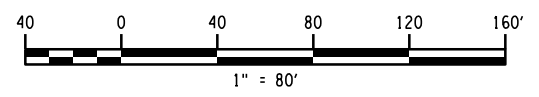
ITEM	DESCRIPTION	UNITS
201.07	CLEARING AND GRUBBING	AC
203.6100X25	TEMPORARY HAUL ROAD(S)	LS
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.13	SILT FENCE - TEMPORARY	LF
209.22	STABILIZED CONSTRUCTION ACCESS	SY
552.17	SHIELDS AND SHORING	SY
553.030013	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS)	
603.172412	72 INCH DIAMETER, 12 GAUGE	EA
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.5148	RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS)	LF
606.5801	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING (NEW POSTS)	LF
606.61	REMOVING AND STORING CORRUGATED BEAM GUIDE RAILING	LF
606.66	REMOVING AND STORING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	
606.7910		EA
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
619.1803	TEMPORARY IMPACT ATTENUATOR - REDIRECTIVE (TEST LEVEL 3)	EA
621.02	CLEANING CULVERTS WITH SPAN OF MORE THAN 50 IN	LF
621.51000015	GRADING CLEANING AND RESHAPING EXISTING DITCHES	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF

I-90 MP 193.9 +/-
GENERAL PLAN

CIN 19387009XX TWIN 72" RCP, 219' LONG PLUS 72" CMP 15'+/- INLET EXT. AND 72" CMP 20'+/- OUTLET EXT. = 254' TOTAL

NOTES:

1. CULVERT SHALL BE CLEANED TO EXPOSED INVERTS INCLUDING BOTTOM CORRUGATIONS ON CMP EXTENSIONS FOR ENGINEER TO INSPECT FOR PENETRATIONS, DOCUMENT CONDITIONS AND EVALUATE THE CULVERT CONDITIONS A.O.B.E. COSTS TO BE INCLUDED IN ITEM 621.02.
2. REFER TO DRAWING GN-02 FOR NOTES RELATED TO THE NEW YORK STATE CANAL CORPORATION (NYS CC) OR THE CANAL.
3. SEE DWG. WZT-01 FOR GUIDE RAIL TABLE
4. THE CONTRACTOR SHALL ACCESS THIS SITE AFTER RECEIVING WRITTEN PERMISSION FROM THE CONSTRUCTION ENGINEER TO ACCESS THE SITE FROM THE ADJACENT PROPERTY OWNER.
5. THE ERIE CANAL NAVIGATION SEASON ORDINARY WATER ELEVATION IN THIS REACH OF THE CANAL IS EL 286.



ALTERED ON:	AFFIXED ON: 09/24/2025
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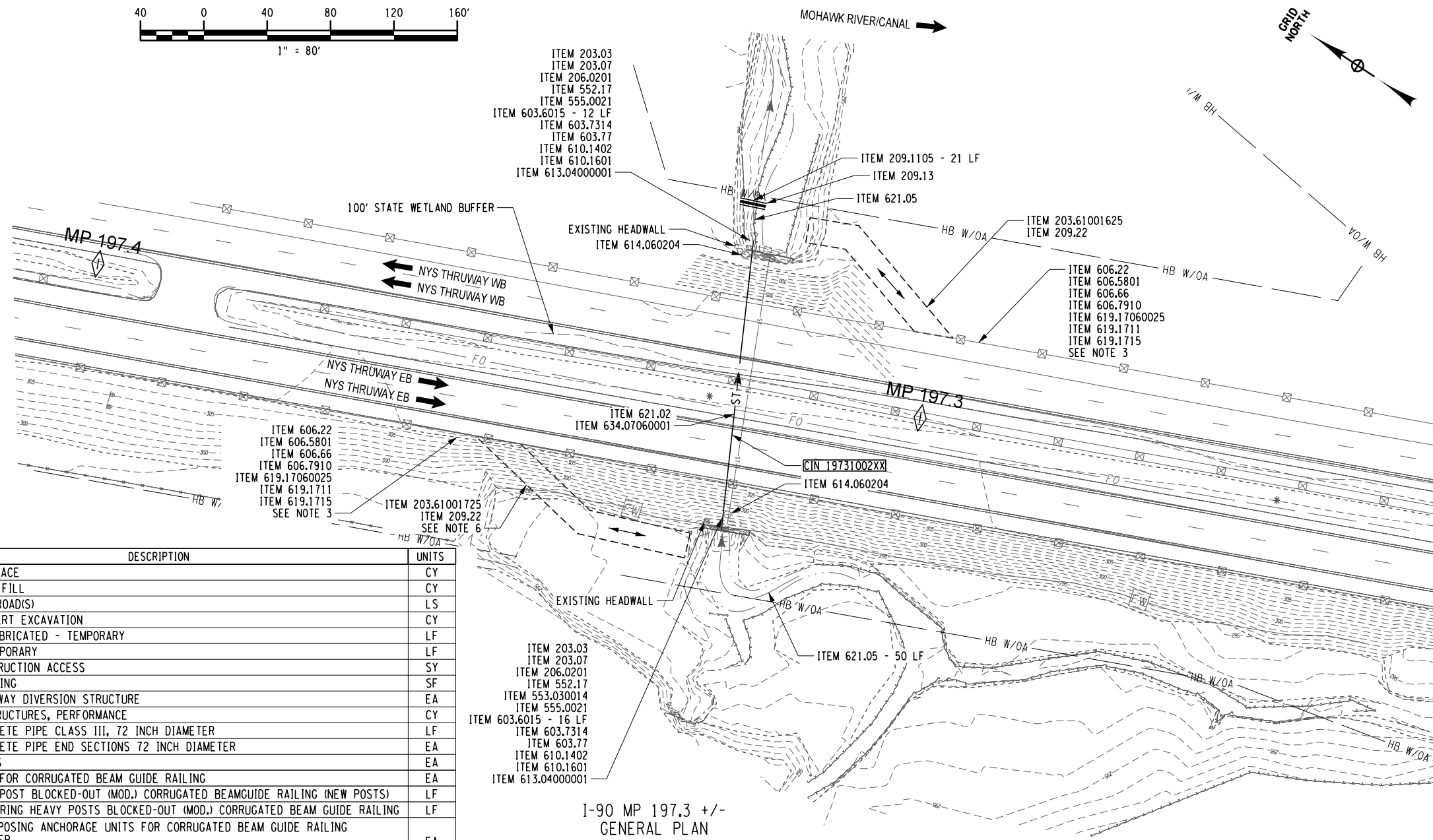
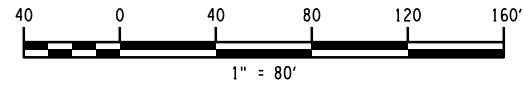
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-13

PWZ
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

* FIBER OPTIC NOTE:
 THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-01).



ITEM	DESCRIPTION	UNITS
203.03	EMBANKMENT IN PLACE	CY
203.07	SELECT GRANULAR FILL	CY
203.6100X25	TEMPORARY HAUL ROAD(S)	LS
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.1105	CHECK DAM, PREFABRICATED - TEMPORARY	LF
209.13	SILT FENCE - TEMPORARY	LF
209.22	STABILIZED CONSTRUCTION ACCESS	SY
552.17	SHIELDS AND SHORING	SF
553.030014	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
603.6015	REINFORCED CONCRETE PIPE CLASS III, 72 INCH DIAMETER	LF
603.7314	REINFORCED CONCRETE PIPE END SECTIONS 72 INCH DIAMETER	EA
603.77	CONCRETE COLLARS	EA
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.5801	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING (NEW POSTS)	LF
606.66	REMOVING AND STORING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
613.04000001	STOCKPILING AND PLACING EXISTING STREAM BED MATERIALS	CY
614.060204	TREE REMOVAL OVER 6 INCHES TO 12 INCHES DIAMETER BREAST HEIGHT - STUMPS GRUBBED	EA
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
621.02	CLEANING CULVERTS WITH SPAN OF MORE THAN 50 IN	LF
621.05	CLEAN, GRADE AND SHAPE EXISTING ROADSIDE SECTION	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF

I-90 MP 197.3 +/-
 GENERAL PLAN
 CIN 19731002XX, 72" RCP 176' +/-

CIN 19731002XX
 WESTBOUND RIGHT (OUTLET):

1. INSTALL TEMPORARY HAUL ROAD IF NECESSARY.
2. INSTALL SHIELDS AND SHORING.
3. INSTALL CHECKDAM, PREFABRICATED (TEMP.).
4. INSTALL SILT FENCE.
5. REMOVE AND STOCKPILE EXISTING STREAM BED MATERIAL.
6. REMOVE AND DISPOSE OF EXISTING HEADWALL AND TWO 72" RCP 4 LF SECTIONS.
7. INSTALL THREE 72" RCP 4 LF SECTIONS AND A CONCRETE END SECTION WITH A CUTOFF WALL.
8. INSTALL A GALVANIZED EXTERNAL RESTRAINING DEVICE ON EACH SIDE TYING PIPE SECTIONS TO THE CONCRETE END SECTION.
9. INSTALL A CONCRETE COLLAR.
10. REINSTALL STOCKPILED STREAM BED MATERIAL.
11. CLEAN, GRADE AND SHAPE EXISTING ROADSIDE SECTIONS FROM OUTLET TO R.O.W.
12. RETAIN EXISTING HAUL/MOWING ROAD PROFILE ABOVE CULVERT AND GRADE.
13. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
14. CLEAN AND VIDEO INSPECT CULVERT.

EASTBOUND RIGHT (INLET):

1. INSTALL TEMPORARY HAUL ROAD IF NECESSARY.
2. INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
3. INSTALL SHIELDS AND SHORING.
4. REMOVE TREES NEAR INLET AND BETWEEN INLET AND EDGE OF PAVEMENT.
5. REMOVE AND DISPOSE OF EXISTING HEADWALL AND THREE 72" RCP 4 LF LONG SECTIONS.
6. INSTALL FOUR 72" RCP 4 LF LONG SECTIONS AND A CONCRETE END SECTION WITH A CUTOFF WALL.
7. INSTALL A GALVANIZED EXTERNAL RESTRAINING DEVICE ON EACH SIDE TYING PIPE SECTIONS TO THE CONCRETE END SECTION.
8. INSTALL A CONCRETE COLLAR.
9. REINSTALL STOCKPILED STREAM BED MATERIAL A.O.B.E.
10. CLEAN, GRADE AND SHAPE EXISTING ROADSIDE SECTION FROM INLET TO R.O.W.
11. GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.

- NOTES:
1. REFER TO ST, MD AND EW DRAWINGS FOR DETAILS.
 2. THE CONTRACTOR SHALL REMOVE ONLY THE MINIMUM STREAM BED MATERIAL NECESSARY TO INSTALL THE NEW PIPE END SECTIONS AND STONE APRON. EXISTING STREAM BED MATERIAL WILL BE STORED IN AN UPLAND LOCATION FOR LATER USE. ONCE THE CULVERTS ARE LINED WITH NEW PIPE, THE MATERIAL WHICH WAS REMOVED WILL BE USED TO RESTORE THE STREAM BED TO THE PRE-CONSTRUCTION CONDITIONS. COST TO BE INCLUDED IN ITEM 613.04000001.
 3. SEE DWG. WZT-01 FOR GUIDE RAIL TABLE.
 4. THE CONTRACTOR SHALL ACCESS FROM THE WEST BOUND RIGHT SHOULDER TO THE CULVERT OUTLET. COST TO BE INCLUDED IN ITEM 203.61001625.
 5. THE CONTRACTOR SHALL REMOVE BRANCHES AND DEBRIS RESTRICTING FLOW WITHIN 50' OF CULVERT INLET A.O.B.E. COST TO BE INCLUDED IN ITEM 621.05.
 6. THE CONTRACTOR SHALL REMOVE HAUL ROAD AND RESTORE THIS SITE TO ORIGINAL LESS TREES AND BRUSH A.O.B.E. COST TO BE INCLUDED IN ITEM 203.61001725.
 7. REFER TO GENERAL NOTE #16 ON DWG GN-01 FOR NOTE REGARDING TREE CUTTING RESTRICTION FOR BAT CONSERVATION.
 8. THE ERIE CANAL NAVIGATION SEASON ORDINARY WATER ELEVATION IN THIS REACH OF THE CANAL IS EL 294.

ALTERED ON:	AFFIXED ON: 09/24/2025
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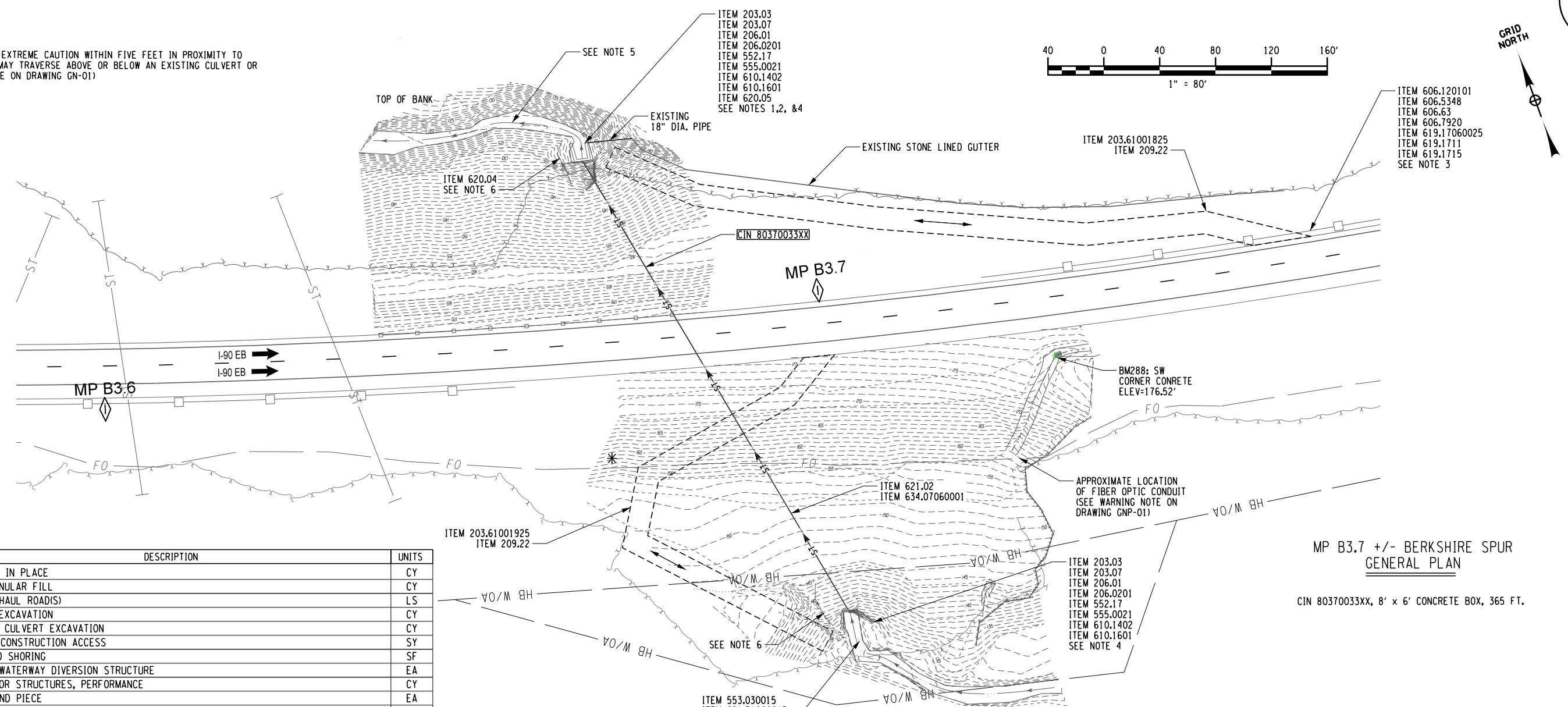
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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: GENERAL PLAN	DRAWING NUMBER: GNP-14

PWZ/ R. BENNETT
 CHECKED BY: E. ROSENZWEIG
 DRAFTED BY: M. DUVAL
 CHECKED BY: B. DEHAAN
 DESIGNED BY: R. BENNETT
 DESIGN SUPERVISOR: R. BENNETT

*** FIBER OPTIC NOTE:**
 THE CONTRACTOR IS TO USE EXTREME CAUTION WITHIN FIVE FEET IN PROXIMITY TO WHERE THE EXISTING F.O.L. MAY TRAVERSE ABOVE OR BELOW AN EXISTING CULVERT OR DITCH (SEE FIBER OPTIC NOTE ON DRAWING GN-01)



ITEM	DESCRIPTION	UNITS
203.03	EMBANKMENT IN PLACE	CY
203.07	SELECT GRANULAR FILL	CY
203.6100X25	TEMPORARY HAUL ROAD(S)	LS
206.01	STRUCTURE EXCAVATION	CY
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.22	STABILIZED CONSTRUCTION ACCESS	SY
552.17	SHIELDS AND SHORING	SF
553.030015	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
606.120101	BOX BEAM END PIECE	EA
606.5348	RESETTING BOX BEAM GUIDE RAILING (NEW POSTS)	LF
606.63	REMOVING AND STORING BOX BEAM GUIDE RAILING	LF
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.1100024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
620.04	STONE FILLING (MEDIUM)	CY
620.05	STONE FILLING (HEAVY)	CY
621.02	CLEANING CULVERTS WITH SPAN OF MORE THAN 50 IN	LF
621.51000015	GRADING CLEANING AND RESHAPING EXISTING DITCHES	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF

ALTERED ON: _____ AFFIXED ON: 09/24/2025

SIGNATURE: _____ STAMP: _____

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NOTES:

- REFER TO MD AND EW DRAWINGS FOR DETAILS.
- REFER TO MT AND EW DRAWINGS FOR THE APPROPRIATE TABLES WITH ITEMS AND QUANTITIES.
- SEE DWG. WZT-01 FOR GUIDE RAIL TABLE.
- REFER TO ST DRAWINGS FOR DETAILS.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF THREE 12" LOOSE GALV. APPROX. 4' LONG CMP SECTIONS LOCATED NEAR THE STREAM SOUTH BANK. COST TO BE INCLUDED IN ITEM 206.01 STRUCTURE EXCAVATION.
- FILL EXISTING DITCHES WITH STONE FILLING (MEDIUM) A.O.B.E. REFER TO STONE TABLE.

CIN 80370033XX EASTBOUND LEFT:

- INSTALL TEMPORARY HAUL ROAD IF NECESSARY.
- INSTALL SHIELDS AND SHORING.
- ON THE EASTBOUND LEFT OUTLET, REMOVE WINGWALLS LAYING ON APRON.
- SAWCUT AND REMOVE WINGWALLS.
- INSTALL NEW CUTOFF WALL BELOW APRON EDGE.
- GROUT BELOW APRON TO ENSURE FULL CONTACT BEARING OF APRON.
- INSTALL NEW CONCRETE WINGWALLS.
- ARMOR BANKS OF STREAM WITH HEAVY STONE.
- INSTALL GEO-TEXTILE FABRIC IN STREAM BOTTOM, OVER HEAVY STONE APRON.
- INSTALL FIVE 18" SICPP (TEMP.) AND BACKFILL WITH CRUSHED STONE.
- INSTALL HEAVY STONE APRON.
- INSTALL LIGHT STONE CHANNELS ALONG EACH WINGWALL.
- REMOVE AND DISPOSE OF THREE LOOSE 4' LONG SECTIONS OF 12" CMP ALONG SOUTH STREAM BANK.
- REMOVE CRUSHED STONE, PIPE, AND GEO-TEXTILE FABRIC TO RESTORE STREAM.
- GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.

EASTBOUND RIGHT:

- INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
- REPLACE INLET WINGWALLS AND PERFORM CONCRETE REPAIRS TO UNDERSIDE OF THE CEILING SLAB AND ON THE FASCIA FACE.
- INSTALL BOTTOM SLAB REPAIR.
- FILL IN 3 FT +/- DEEP GULLY WESTERLY OF WING WALL.
- INSTALL INTERCEPT DRAIN ABOVE AND TO THE WEST SIDE OF THE INLET.
- CLEAN GRADE AND SHAPE EXISTING ROADSIDE SECTIONS.
- GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
- CLEAN AND VIDEO INSPECT CULVERT.
- INSTALL STABILIZED CONSTRUCTION ACCESS.
- INSTALL SHIELDS AND SHORING AS NEEDED.
- FILL ERODED AREAS AROUND INLET.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-15

NOTES:

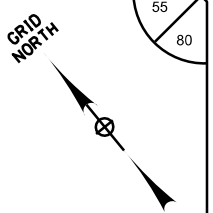
- REFER TO ST, MD AND EW DRAWINGS FOR DETAILS.
- ITEM 602.3666 DESIGN REQUIREMENTS INCLUDE:
 - THE CULVERTS MAXIMUM DEPTH COVER OF COVER IS APPROX. 5.8' OVER THE PIPE CROWN.
 - THE ESTIMATED MODULUS OF SOIL REACTION E' = 700 PSI.
 - THE ESTIMATED WATER TABLE ELEVATION ABOVE THE CULVERT INVERT IS 5.5 FEET.
- THE CONTRACTOR SHALL REMOVE ONLY THE MINIMUM STREAM BED MATERIAL NECESSARY TO INSTALL THE NEW PIPE LININGS AND STONE APRON. EXISTING STREAM BED MATERIAL WILL BE STORED IN AN UPLAND LOCATION FOR LATER USE. ONCE THE CULVERTS ARE LINED WITH NEW PIPE, THE MATERIAL WHICH WAS REMOVED WILL BE USED TO RESTORE THE STREAM BED TO THE PRE-CONSTRUCTION CONDITIONS. COST TO BE INCLUDED IN ITEM 613.04000001.
- REFER TO WZP DRAWINGS. A TEMPORARY CONCRETE BARRIER LANE SHIFT MAY BE NECESSARY AT THIS SITE. REFER TO NYSTA STANDARD SHEETS.
- THE CONTRACTOR SHALL ACCESS FROM THE EAST BOUND LEFT SHOULDER TO THE CULVERT OUTLET. COST TO BE INCLUDED IN ITEM 203.61002125.
- THE CONTRACTOR SHALL REMOVE BRANCHES AND DEBRIS RESTRICTING FLOW WITHIN 50' OF CULVERT INLET A.O.B.E. COST TO BE INCLUDED IN ITEM 602.3666.
- THE CONTRACTOR SHALL RESTORE THIS SITE TO ORIGINAL LESS TREES AND BRUSH A.O.B.E. COST TO BE INCLUDED IN ITEM 203.61002025 AND 203.61002125.
- DUE TO THE NATURE OF THE SOILS AND SLOPES ON THIS SITE, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AND AN EXCAVATION PLAN FOR REVIEW AND APPROVAL AT LEAST TEN DAYS PRIOR TO THE START OF ANY EXCAVATION ON THIS SITE.
- THE CONTRACTOR SHALL ACCESS THIS SITE AFTER RECEIVING WRITTEN PERMISSION FROM THE CONSTRUCTION ENGINEER TO ACCESS THE SITE FROM THE ADJACENT PROPERTY OWNER.

CIN 82141007XX
EASTBOUND LEFT:

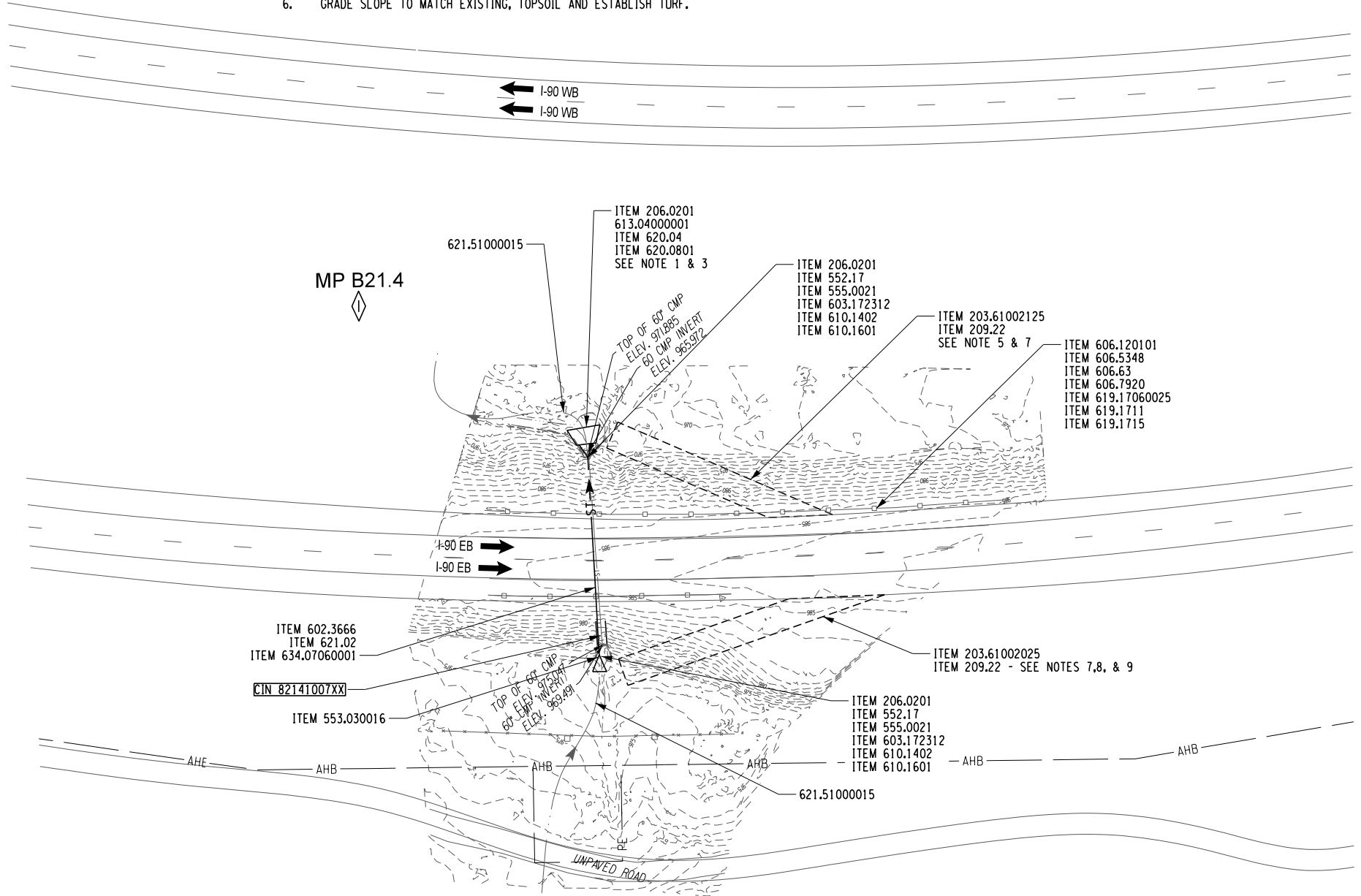
- INSTALL A TEMPORARY HAUL ROAD.
- REMOVE AND DISPOSE OF THE LOOSE END SECTION.
- INSTALL A 66" SOLID WALL CIPP LINER. INSTALL A NEW GALV. STEEL END SECTION AND CUTOFF WALL.
- INSTALL STONE FILLING (MED.) APRON.
- CLEAN, GRADE AND SHAPE EXISTING ROADSIDE SECTIONS.
- GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.

EASTBOUND RIGHT:

- INSTALL A TEMPORARY HAUL ROAD FROM THRUWAY MAINLINE.
- INSTALL A TEMPORARY WATERWAY DIVERSION STRUCTURE.
- CLEAN, GRADE AND SHAPE EXISTING ROADSIDE SECTIONS.
- GRADE SLOPE TO MATCH EXISTING, TOPSOIL AND ESTABLISH TURF.
- CLEAN AND INSPECT THE CULVERT.

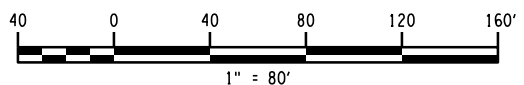


ITEM	DESCRIPTION	UNITS
203.6100X25	TEMPORARY HAUL ROAD(S)	LS
206.0201	TRENCH AND CULVERT EXCAVATION	CY
209.22	STABILIZED CONSTRUCTION ACCESS	SY
552.17	SHIELDS AND SHORING	SF
553.030016	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY
602.3666	LINING WITH CURED IN PLACE PIPE (CIPP) 66 INCH DIAMETER GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS)	LF
603.172312	66 INCH DIAMETER, 12 GAUGE	EA
606.120101	BOX BEAM END PIECE	EA
606.5348	RESETTING BOX BEAM GUIDE RAILING (NEW POSTS)	LF
606.63	REMOVING AND STORING BOX BEAM GUIDE RAILING	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
613.04000001	STOCKPILING AND PLACING EXISTING STREAM BED MATERIALS	CY
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.1100024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
620.04	STONE FILLING (MEDIUM)	CY
620.0801	BEDDING MATERIAL, TYPE 1	CY
621.02	CLEANING CULVERTS WITH SPAN OF MORE THAN 50 IN	LF
621.51000015	GRADING CLEANING AND RESHAPING EXISTING DITCHES	LF
634.07060001	VIDEO INSPECTION OF PIPE LINES	LF



I-90 MP B21.4 +/-
GENERAL PLAN

CIN 82141007XX, 66" RCP, 86' LF +/- PLUS 66" CMP, 15' LF +/- INLET EXT.
PLUS 72" CMP 20' LF +/- OUTLET EXT.



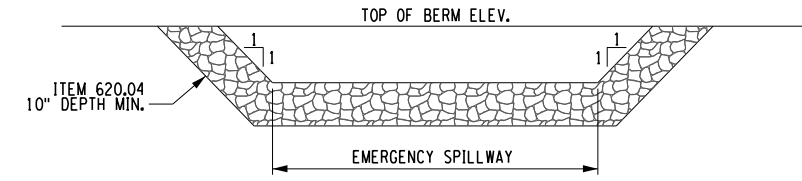
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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

	TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING: GENERAL PLAN	DRAWING NUMBER: GNP-16

PW/ R. BENNETT E. ROSENZWEIG M. DUVAL B. DEHAAN



TYPICAL SPILLWAY DETAIL
N.T.S.

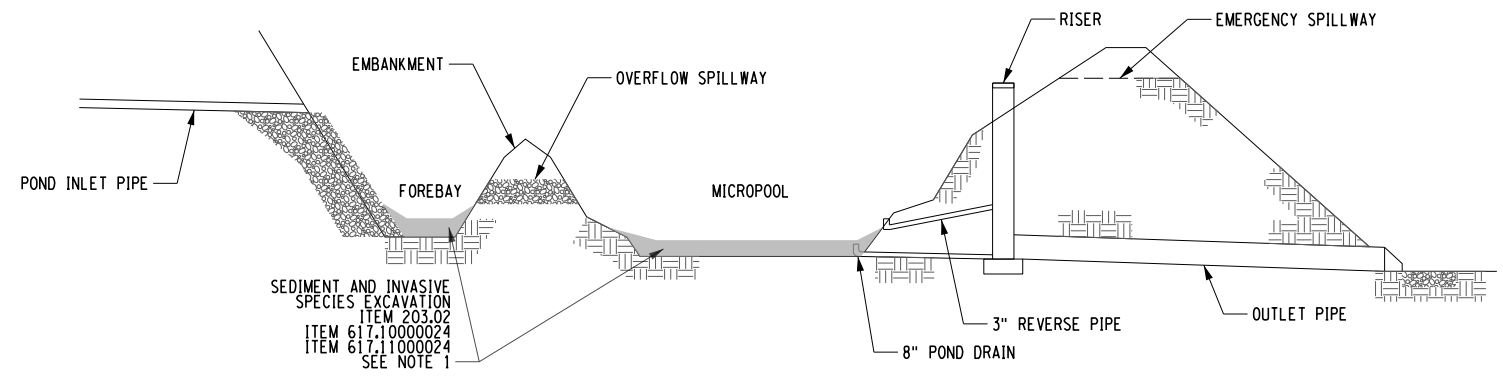
WORK TO BE DONE - APPLICABLE FOR ALL POND LOCATIONS

THE SCOPE OF WORK INCLUDES DRAINING THE DETENTION PONDS USING THE EXISTING POND DRAINS. THE DRAINS MAY NEED TO BE LOCATED AND CLEANED PRIOR TO THE DRAINING OPERATION, EXCAVATING AND DISPOSING OF POND SEDIMENT AND THE DISPOSAL OF INVASIVE VEGETATION THAT HAS ACCUMULATED SINCE THE PONDS WERE CONSTRUCTED UNDER CONTRACT TAA 10-36, AS SHOWN ON THE PLANS, DETAILS AND NOTES. THE GOAL IS TO REMOVE AND RESHAPE THE PONDS TO THE PROPOSED CONTOURS IN THE TAA 10-36 AS-BUILT PLANS.

THE POND DRAINS AND ALL EXISTING OUTLET STRUCTURE PLUMBING SHALL BE PROTECTED DURING THE POND CLEANING OPERATION. ANY DAMAGE CAUSED BY THE CLEANING OPERATION SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

THE INVASIVE SPECIES TO BE DISPOSED INCLUDES PHRAGMITES (PHRAGMITES AUSTRALIS). METHODS OF DISPOSAL INCLUDES CUTTING THE PLANT TO THE GROUND AND DISPOSING OF THE CUT PLANT MATERIAL AND SOIL CONTAINING SEEDS, ROOTS AND/OR RHIZOMES IN ACCORDANCE WITH ITEM 617.10000024 - DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES. ALL EQUIPMENT USED IN AREAS CONTAINING INVASIVE PLANT SPECIES SHALL BE CLEANED IN ACCORDANCE WITH ITEM 617.11000024 - EQUIPMENT CLEANING FOR INVASIVE SPECIES.

IT HAS BEEN ASSUMED THAT ALL EXCAVATED POND SEDIMENT MATERIAL IS CONTAMINATED WITH PHRAGMITES.



PROFILE
TYPICAL POND DETAIL
N.T.S.

NOTE:
1. ASSUME ALL EXCAVATED POND MATERIAL IS CONTAMINATED WITH PHRAGMITES.

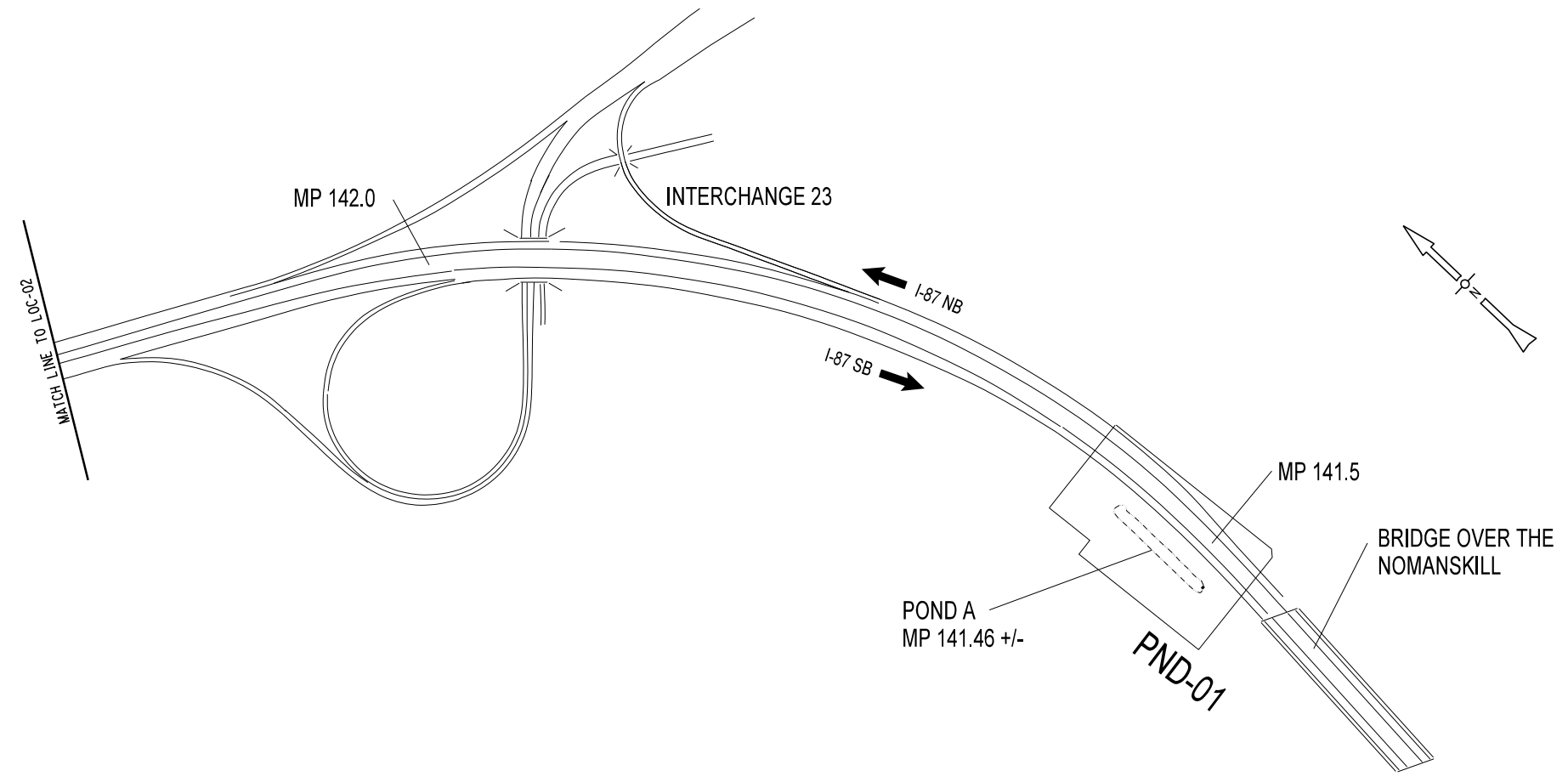
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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

 Thruway Authority	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
 Powered by partnership.	TITLE OF DRAWING POND DETAILS	DRAWING NUMBER: PDD-01

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



SOUTHBOUND PONDS	NORTHBOUND PONDS
POND A_ MP 141.46 +/-	

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYL

TITLE OF PROJECT:
CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK

LOCATION OF PROJECT:
MP 91.3+/- TO MP 197.4+/-
MP B3.7+/- TO MP B21.5+/-

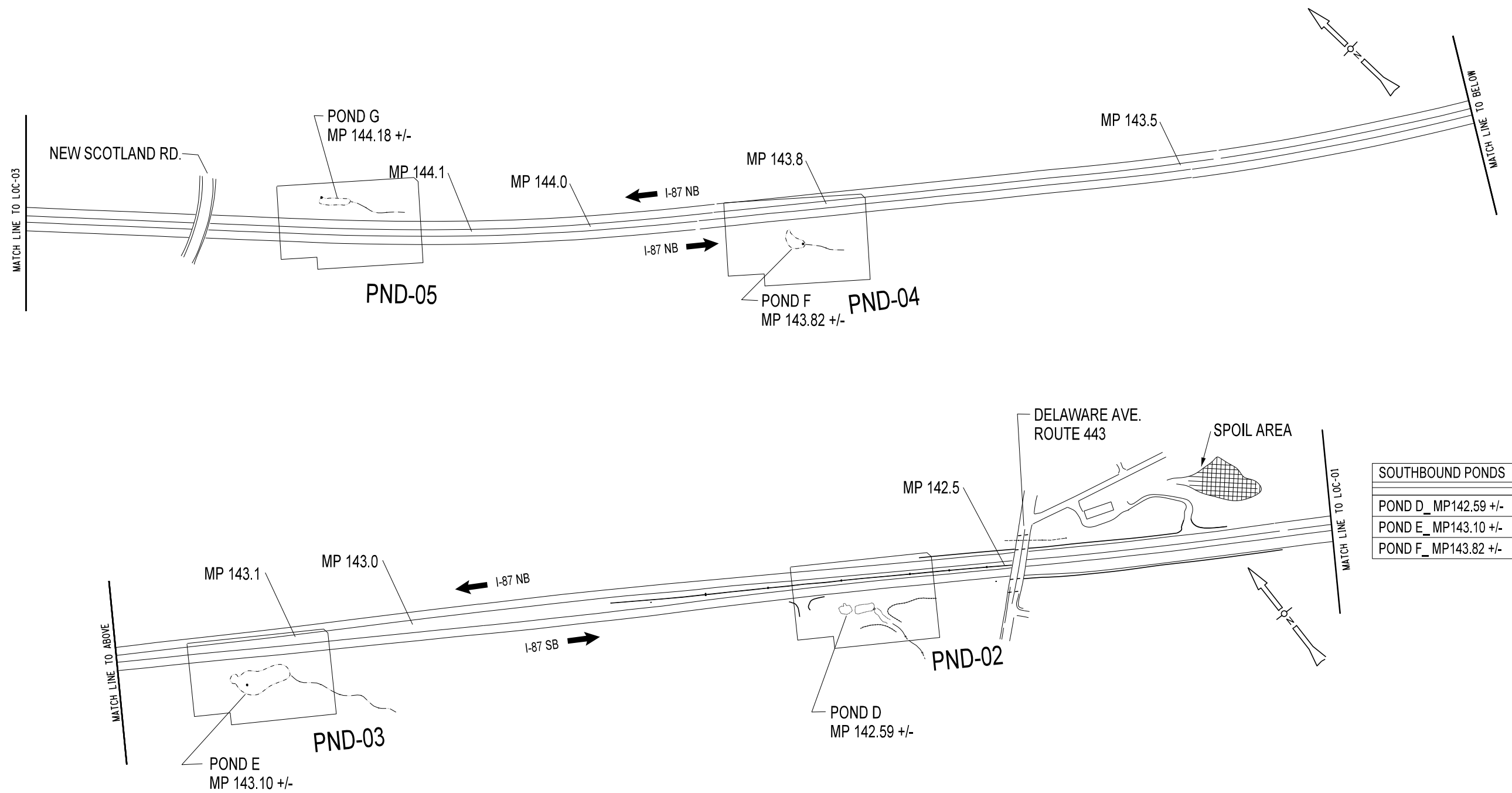
TITLE OF DRAWING:
LOCATION PLAN

CONTRACT NUMBER:
TAA 25-23

DATE:
09/2025

DRAWING NUMBER:
LOC-01

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



SOUTHBOUND PONDS	NORTHBOUND PONDS
POND D_ MP142.59 +/-	POND G_ 144.18 +/-
POND E_ MP143.10 +/-	
POND F_ MP143.82 +/-	

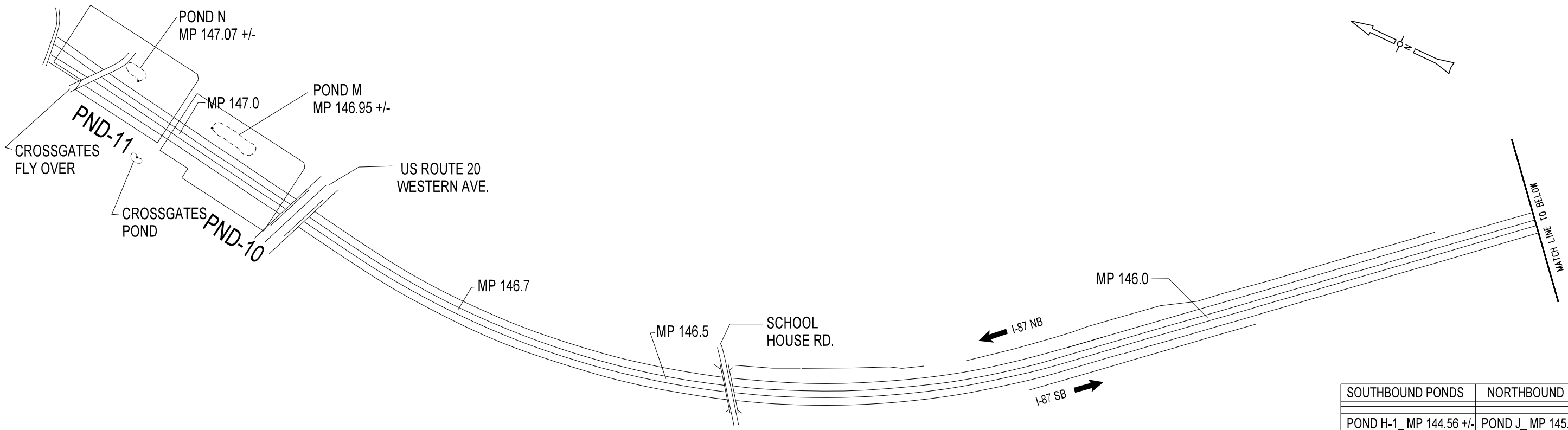
ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

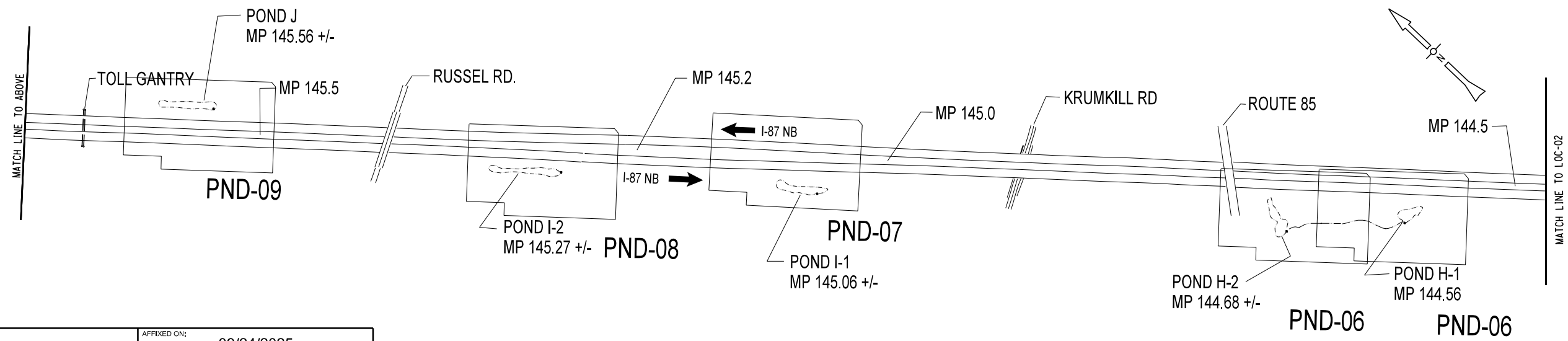
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3 +/- TO MP 197.4 +/- MP B3.7 +/- TO MP B21.5 +/-	DATE: 09/2025
TITLE OF DRAWING: LOCATION PLAN	DRAWING NUMBER: LOC-02

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



SOUTHBOUND PONDS	NORTHBOUND PONDS
POND H-1_MP 144.56 +/-	POND J_MP 145.56 +/-
POND H-2_MP 144.68 +/-	POND M_MP 146.95 +/-
POND I-1_MP 145.06 +/-	POND N_MP 147.07 +/-
POND I-2_MP 145.27 +/-	

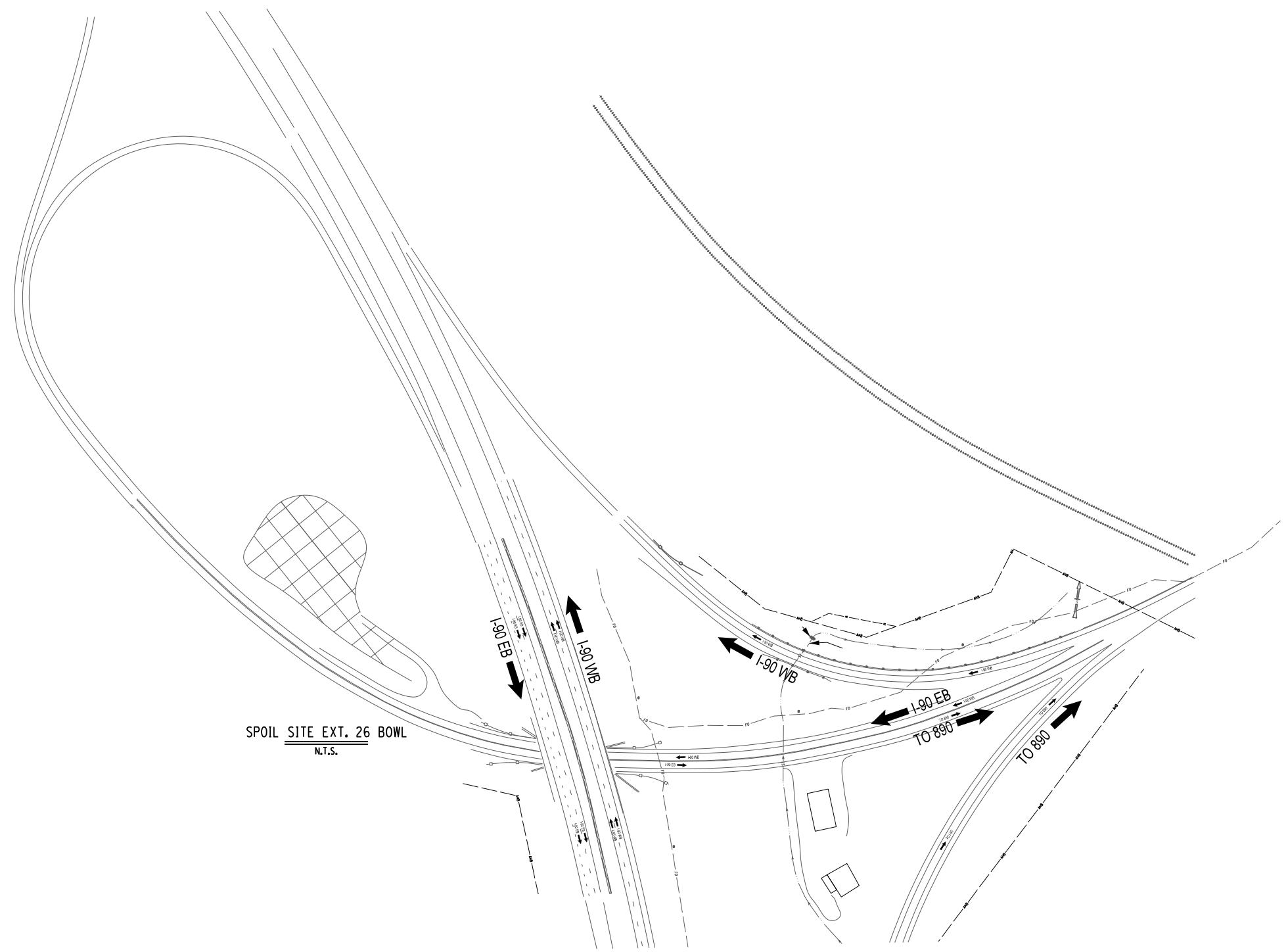


ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYL

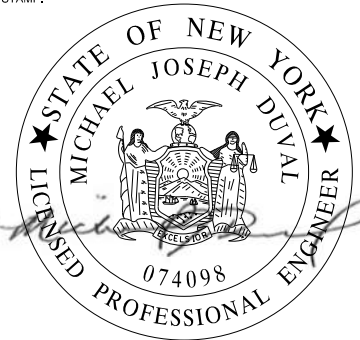
	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING LOCATION PLAN	DRAWING NUMBER: LOC-03



ALTERED ON: AFFIXED ON: 09/24/2025

SIGNATURE: STAMP:

SIGNATURE: STAMP:



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

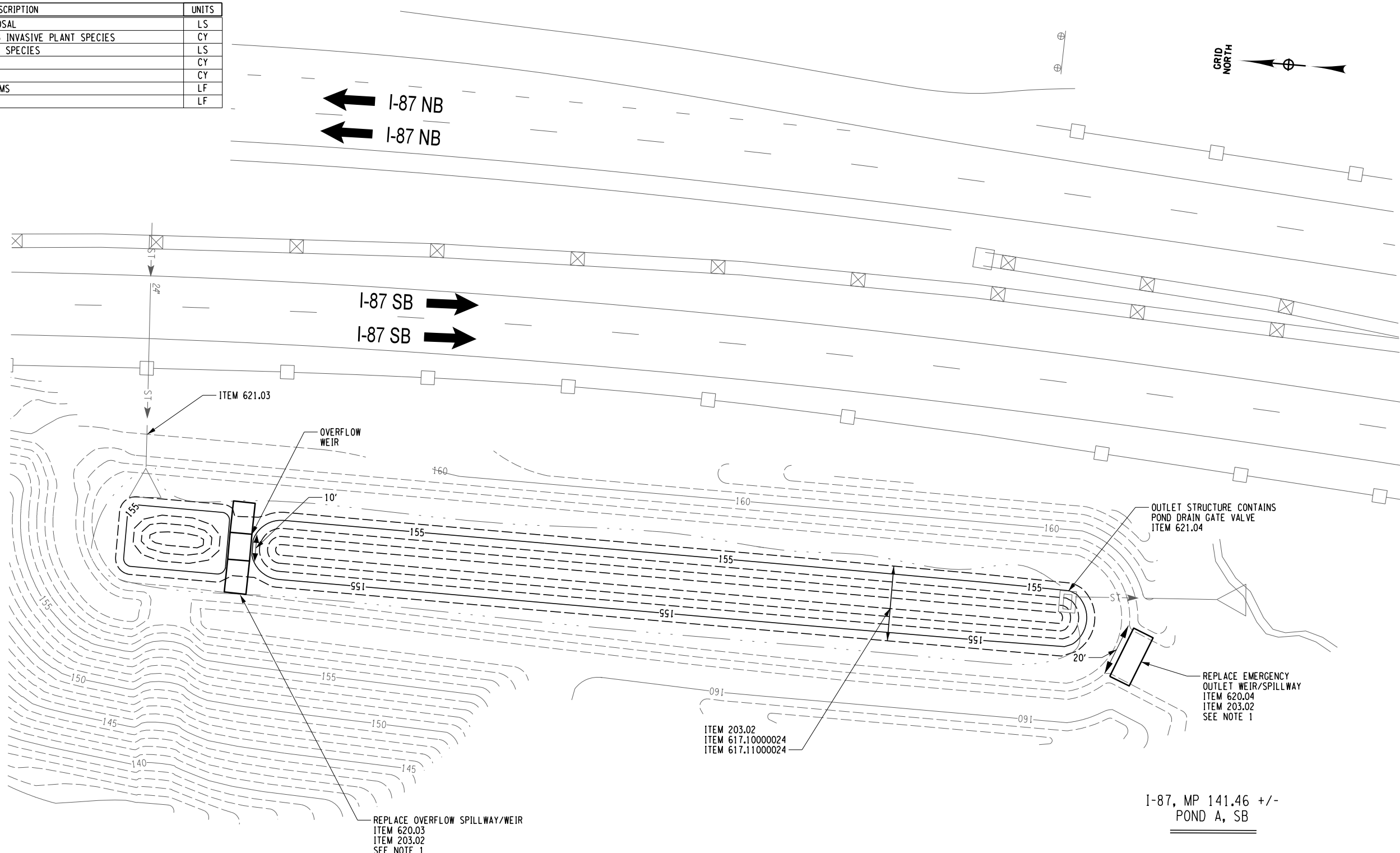
REVISIONS			
DATE	DESCRIPTION	BY	SYML



TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK
 LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-
 TITLE OF DRAWING: SPOIL SITE

CONTRACT NUMBER: TAA 25-23
 DATE: 09/2025
 DRAWING NUMBER: LOC-04

ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	LS
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.1100024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
620.03	STONE FILLING (LIGHT)	CY
620.04	STONE FILLING MEDIUM	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	LF



PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

POND	ESTIMATED SEDIMENT DEPTH (FT)	ESTIMATED POND SEDIMENT VOLUME (CF)	ESTIMATED FOREBAY SEDIMENT VOLUME (CF)	ESTIMATED FLAT AREA SEDIMENT VOLUME (CF)	OVERFLOW WEIR WIDTH (LF)	OUTLET WEIR WIDTH (LF)
A	1.25	1405	27.9	2124	10	20

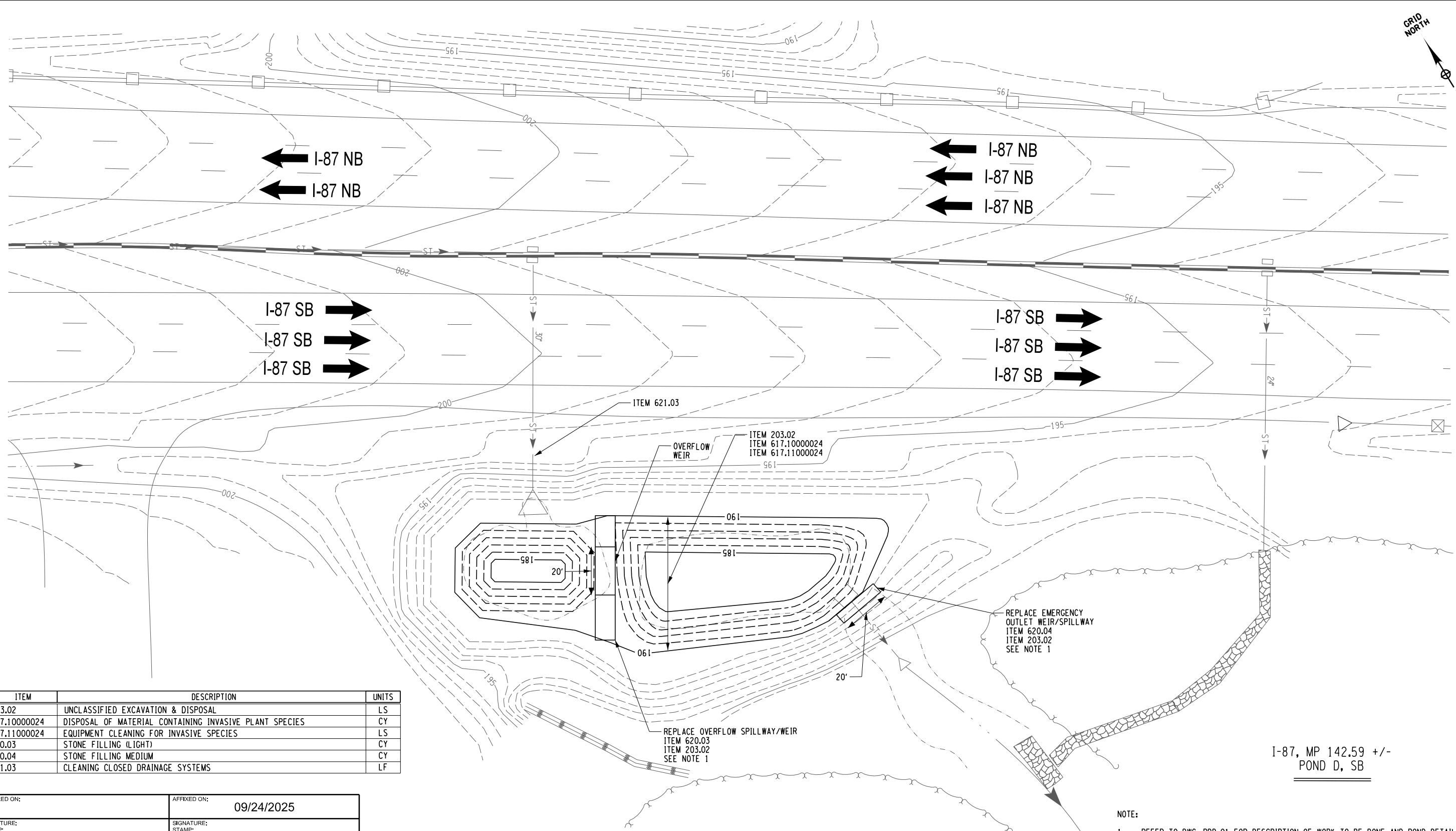
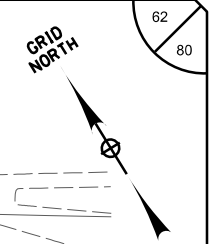
NOTE:
1. REFER TO DWG. POD-01 FOR DESCRIPTION OF WORK TO BE DONE AND POND DETAILS.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING MP 141.46 POND A	DRAWING NUMBER: PND-01

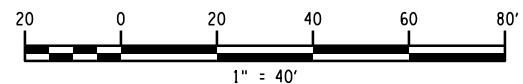
PW:7
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	LS
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.11000024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
620.03	STONE FILLING (LIGHT)	CY
620.04	STONE FILLING MEDIUM	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF

I-87, MP 142.59 +/-
POND D, SB

NOTE:
1. REFER TO DWG. PDD-01 FOR DESCRIPTION OF WORK TO BE DONE AND POND DETAILS.



ALTERED ON: _____ AFFIXED ON: 09/24/2025

SIGNATURE:
STAMP:



POND	ESTIMATED SEDIMENT DEPTH (FT)	ESTIMATED POND SEDIMENT VOLUME (CF)	ESTIMATED FOREBAY SEDIMENT VOLUME (CF)	ESTIMATED FLAT AREA SEDIMENT VOLUME (CF)	OVERFLOW WEIR WIDTH (LF)	OUTLET WEIR WIDTH (LF)
D	2	1210	387	1650	20	20

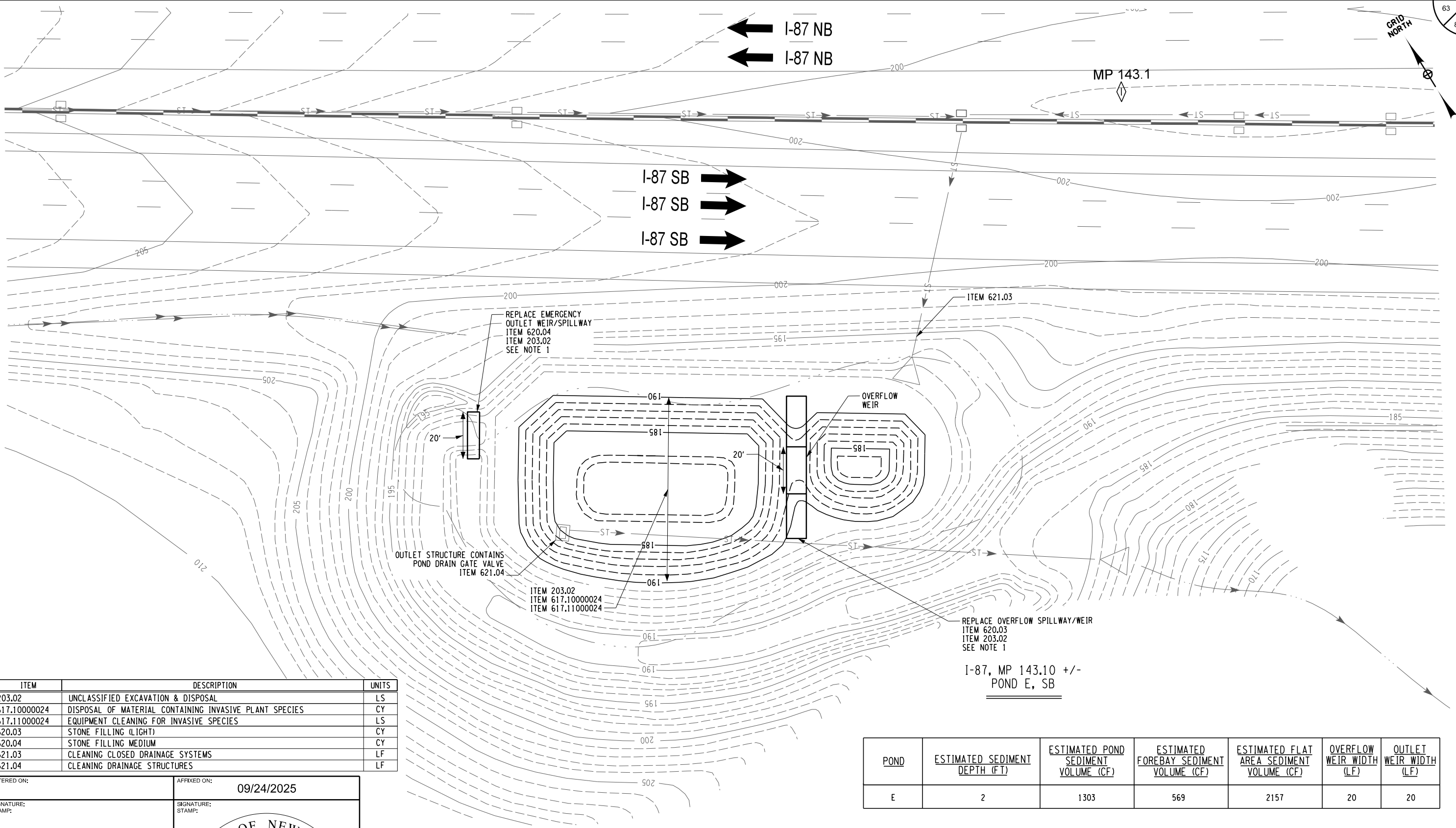
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING MP 142.59 POND D	DRAWING NUMBER: PND-02

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	LS
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.1100024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
620.03	STONE FILLING (LIGHT)	CY
620.04	STONE FILLING MEDIUM	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	LF

ALTERED ON: _____ AFFIXED ON: **09/24/2025**

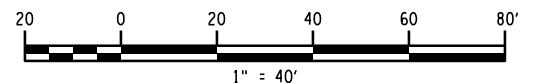
SIGNATURE: _____ STAMP: _____

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

POND	ESTIMATED SEDIMENT DEPTH (FT)	ESTIMATED POND SEDIMENT VOLUME (CF)	ESTIMATED FOREBAY SEDIMENT VOLUME (CF)	ESTIMATED FLAT AREA SEDIMENT VOLUME (CF)	OVERFLOW WEIR WIDTH (LF)	OUTLET WEIR WIDTH (LF)
E	2	1303	569	2157	20	20

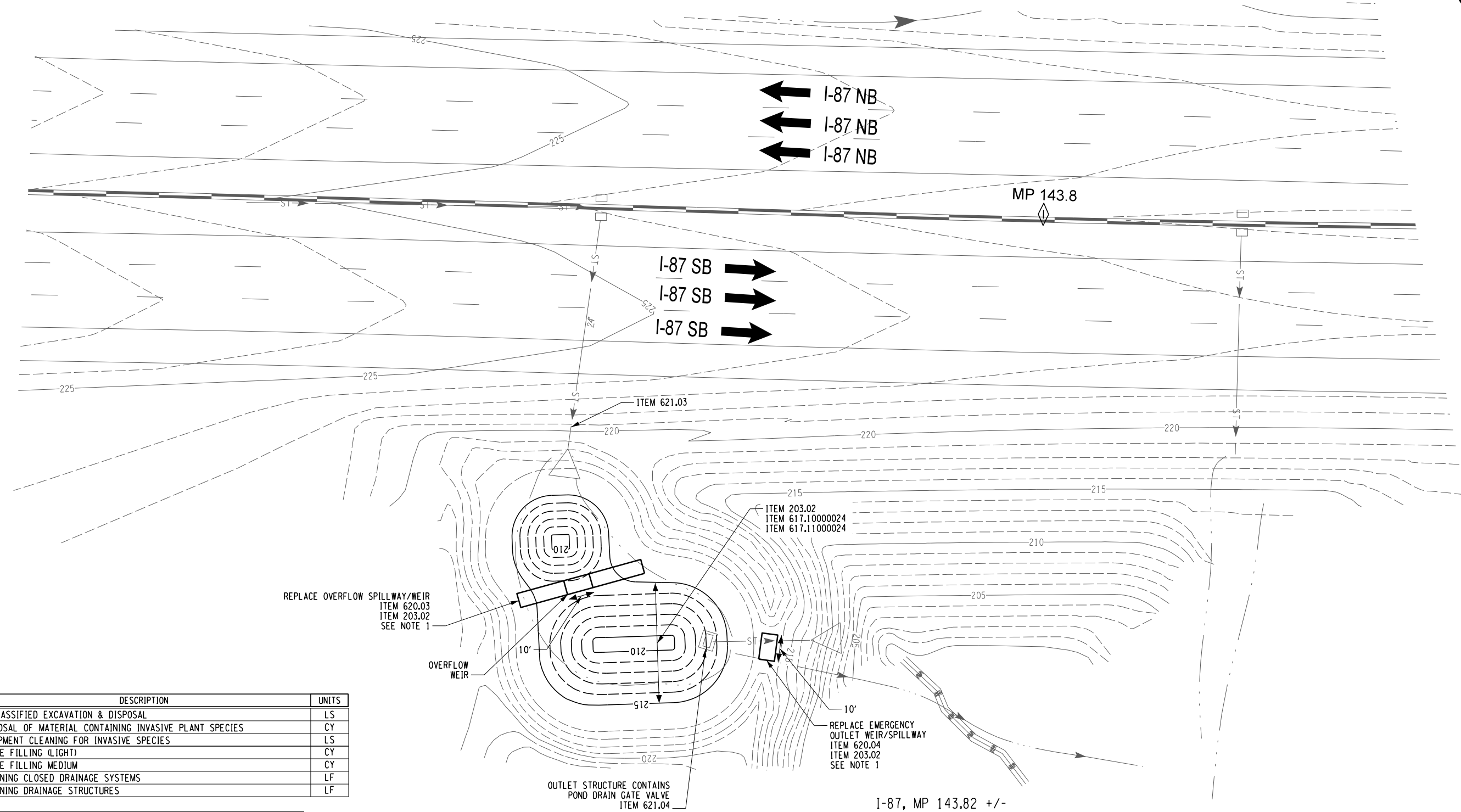
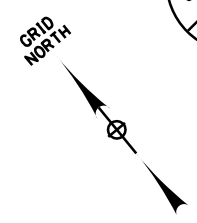
NOTE:
 1. REFER TO DWG. PDD-01 FOR DESCRIPTION OF WORK TO BE DONE AND POND DETAILS.



TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING MP 143.10 POND E	DRAWING NUMBER: PND-03

PW: / CHECKED BY: R. BENNETT / DRAFTED BY: E. ROSENZWEIG / CHECKED BY: M. DUVAL / DESIGNED BY: B. DEHAAN / DESIGN SUPERVISOR: R. BENNETT

64
80



ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	LS
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.1100024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
620.03	STONE FILLING (LIGHT)	CY
620.04	STONE FILLING MEDIUM	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	LF

ALTERED ON: _____ AFFIXED ON: 09/24/2025

SIGNATURE: _____ STAMP: _____

POND	ESTIMATED SEDIMENT DEPTH (FT)	ESTIMATED POND SEDIMENT VOLUME (CF)	ESTIMATED FOREBAY SEDIMENT VOLUME (CF)	ESTIMATED FLAT AREA SEDIMENT VOLUME (CF)	OVERFLOW WEIR WIDTH (LF)	OUTLET WEIR WIDTH (LF)
F	1.5	348	128	1119	10	10

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

LaBella
Powered by partnership.

TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK

LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-

TITLE OF DRAWING: MP 143.82 POND F

CONTRACT NUMBER: TAA 25-23

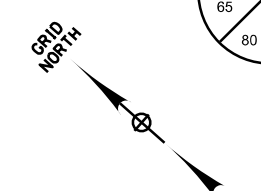
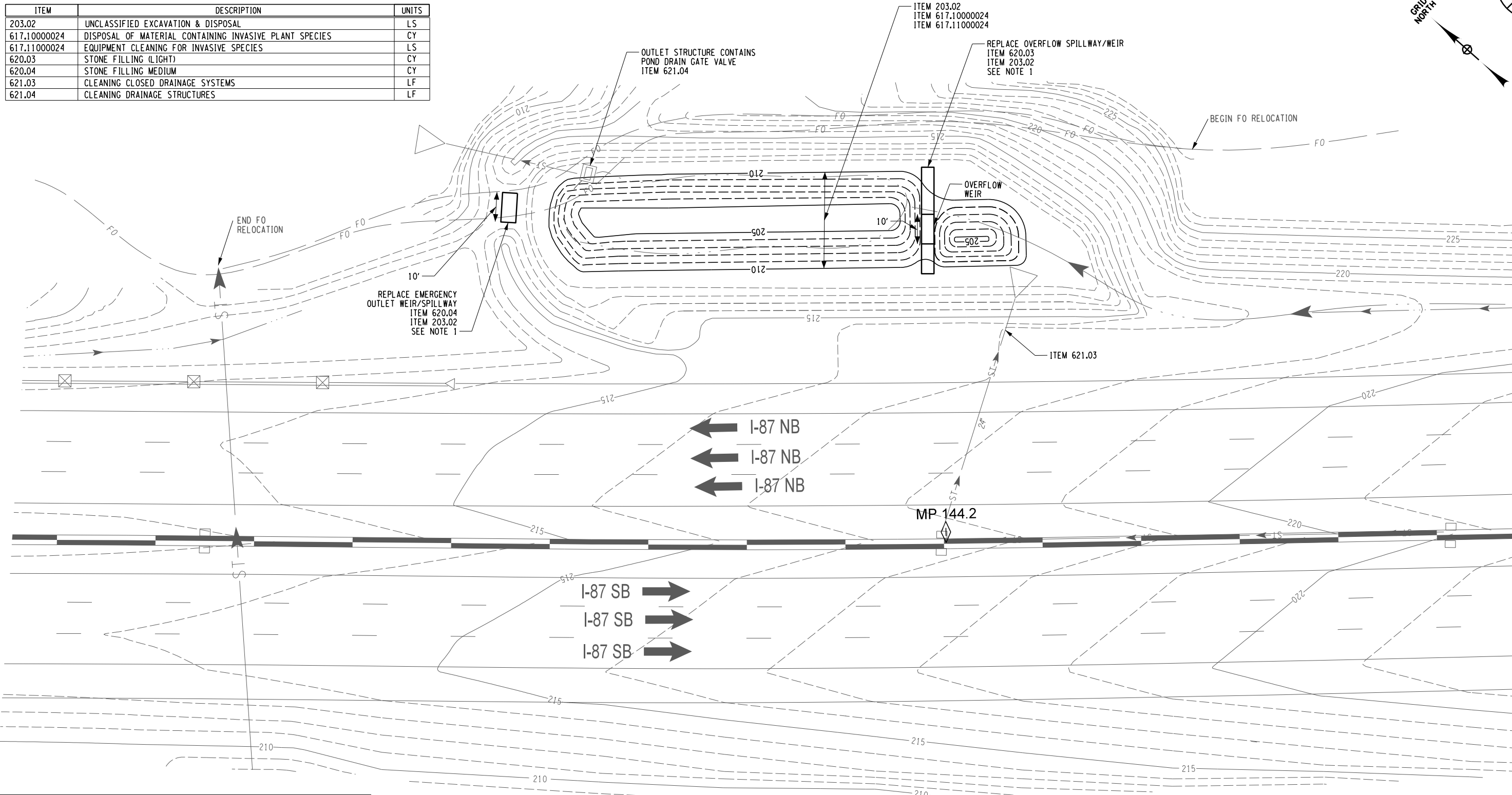
DATE: 09/2025

DRAWING NUMBER: PND-04

NOTE:
1. REFER TO DWG. POD-01 FOR DESCRIPTION OF WORK TO BE DONE AND POND DETAILS.

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	LS
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.1100024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
620.03	STONE FILLING (LIGHT)	CY
620.04	STONE FILLING MEDIUM	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	LF



ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

MICHAEL JOSEPH DUVAL
 LICENSED PROFESSIONAL ENGINEER
 074098

POND	ESTIMATED SEDIMENT DEPTH (FT)	ESTIMATED POND SEDIMENT VOLUME (CF)	ESTIMATED FOREBAY SEDIMENT VOLUME (CF)	ESTIMATED FLAT AREA SEDIMENT VOLUME (CF)	OVERFLOW WEIR WIDTH (LF)	OUTLET WEIR WIDTH (LF)
G	2	1701	243	1298	12	12

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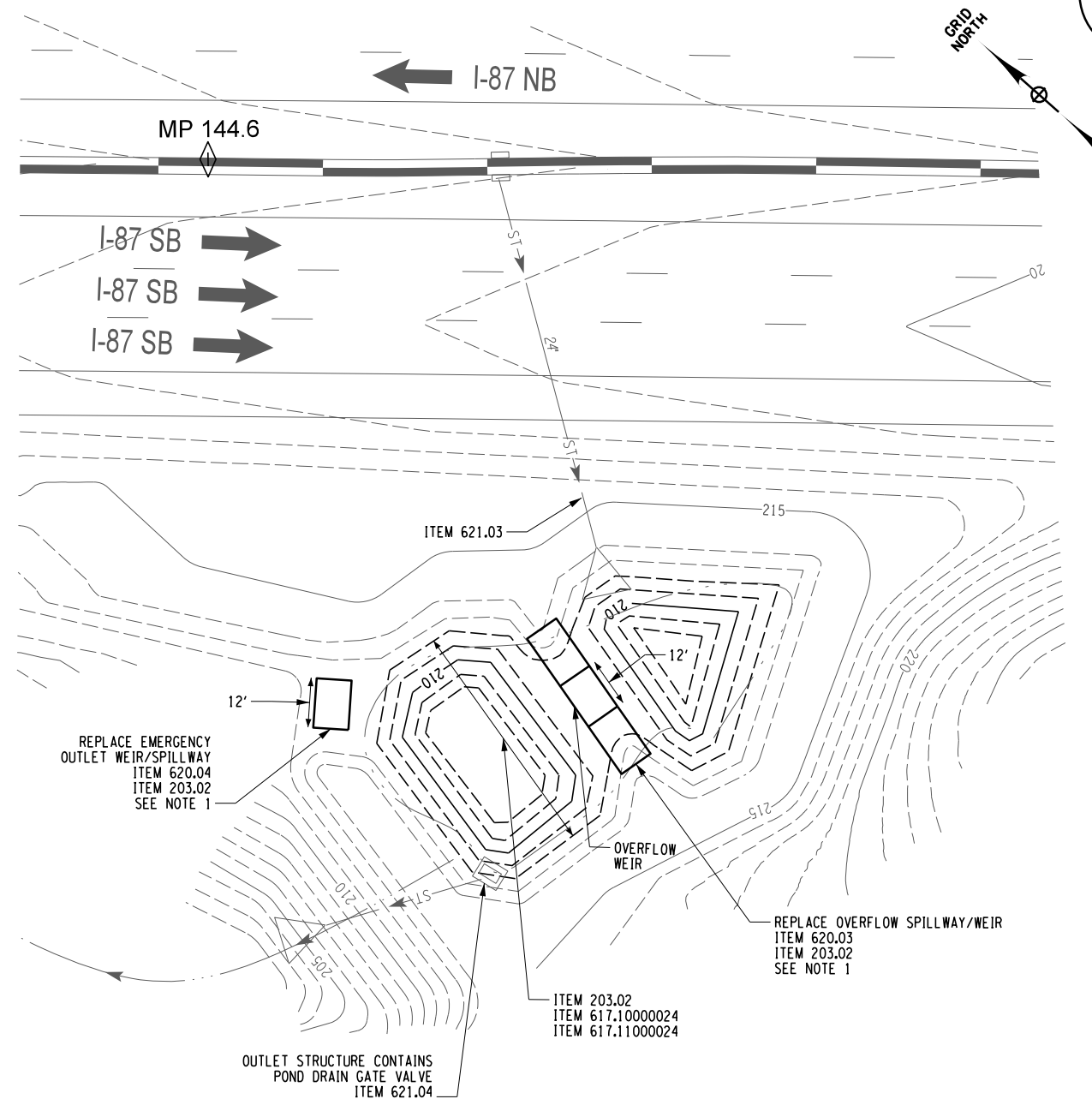
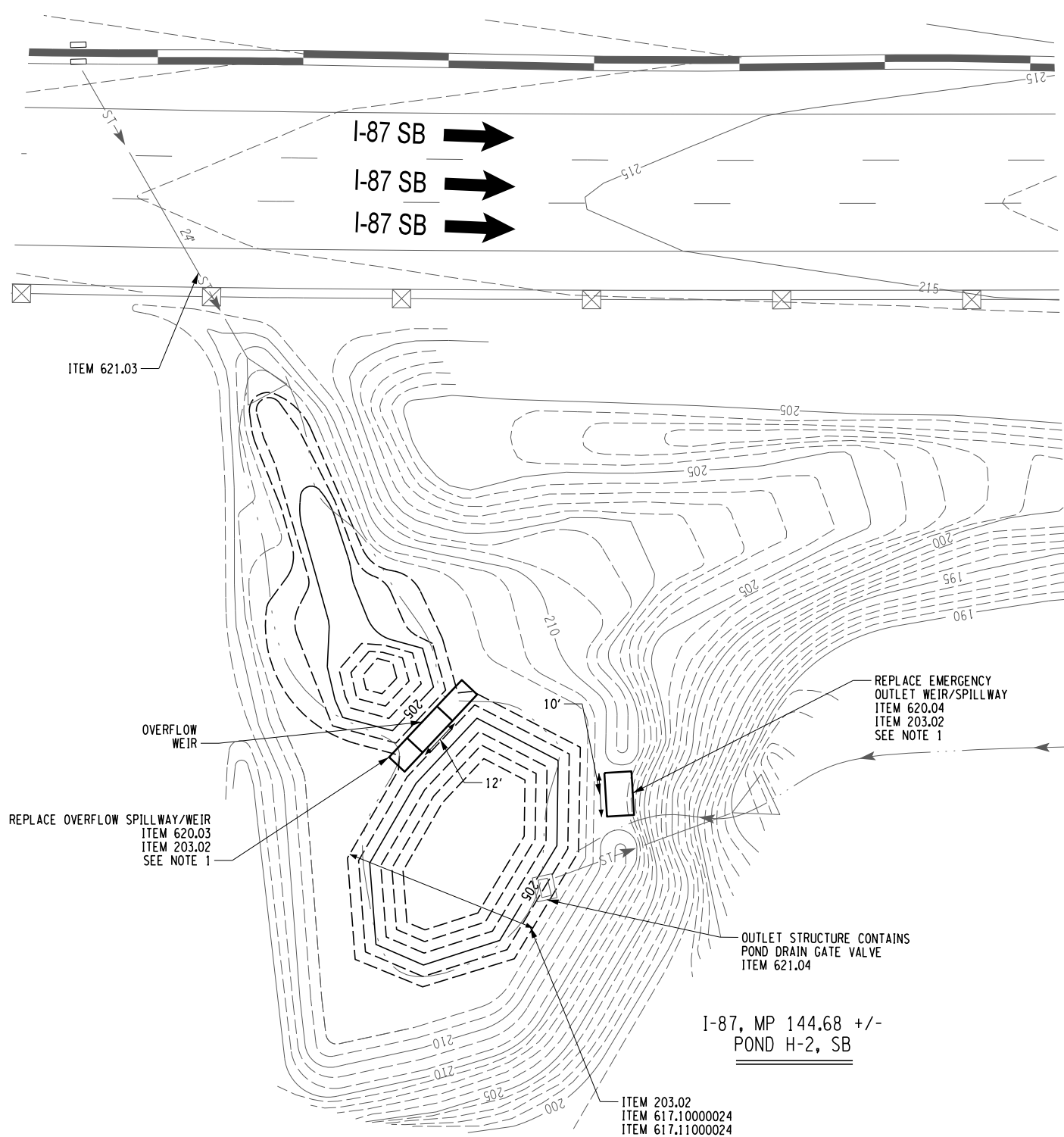
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NOTE:
1. REFER TO DWG. PDD-01 FOR DESCRIPTION OF WORK TO BE DONE AND POND DETAILS.

1" = 40'

TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING: MP 144.18 POND G	DRAWING NUMBER: PND-05

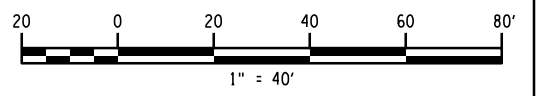
PW:7
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



I-87, MP 144.56 +/-
POND H-1, SB

ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	LS
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.11000024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
620.03	STONE FILLING (LIGHT)	CY
620.04	STONE FILLING MEDIUM	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	LF

NOTE:
1. REFER TO DWG. PDD-01 FOR DESCRIPTION OF WORK TO BE DONE AND POND DETAILS.



POND	ESTIMATED SEDIMENT DEPTH (FT)	ESTIMATED POND SEDIMENT VOLUME (CF)	ESTIMATED FOREBAY SEDIMENT VOLUME (CF)	ESTIMATED FLAT AREA SEDIMENT VOLUME (CF)	OVERFLOW WEIR WIDTH (LF)	OUTLET WEIR WIDTH (LF)
H-1	1.5	324	254	918	12	12
H-2	2	757	271	1605	12	12

ALTERED ON: _____ AFFIXED ON: **09/24/2025**

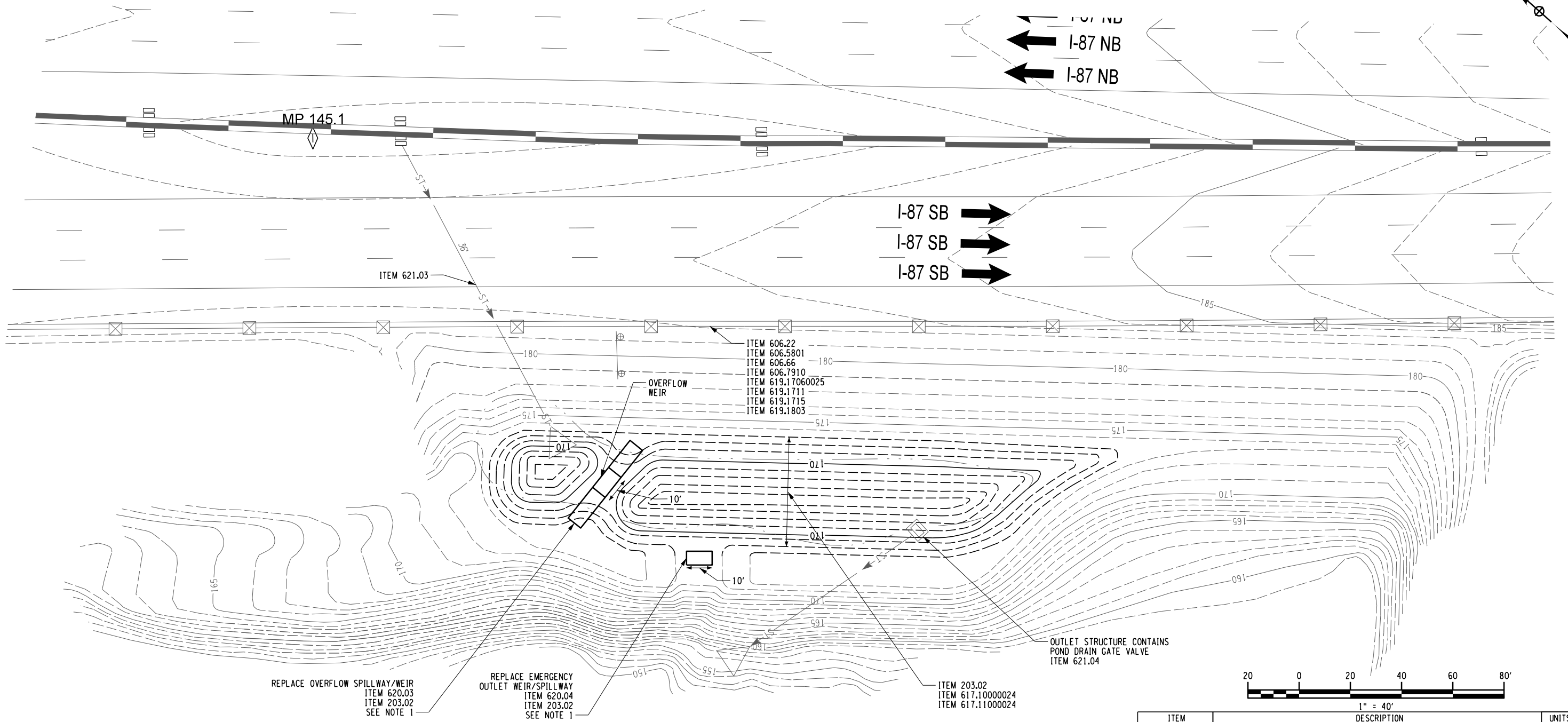
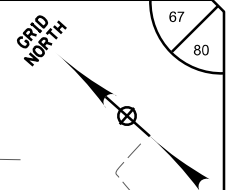
SIGNATURE: _____ STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK
 LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-
 TITLE OF DRAWING: MP 144.56 POND H-1 MP 144.68 POND H-2
 CONTRACT NUMBER: TAA 25-23
 DATE: 09/2025
 DRAWING NUMBER: PND-06

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



REPLACE OVERFLOW SPILLWAY/WEIR
 ITEM 620.03
 ITEM 203.02
 SEE NOTE 1

REPLACE EMERGENCY
 OUTLET WEIR/SPILLWAY
 ITEM 620.04
 ITEM 203.02
 SEE NOTE 1

I-87, MP 145.06 +/-
 POND I-1, SB

ITEM 606.22
 ITEM 606.5801
 ITEM 606.66
 ITEM 606.7910
 ITEM 619.17060025
 ITEM 619.1711
 ITEM 619.1715
 ITEM 619.1803

OUTLET STRUCTURE CONTAINS
 POND DRAIN GATE VALVE
 ITEM 621.04

ITEM 203.02
 ITEM 617.10000024
 ITEM 617.11000024

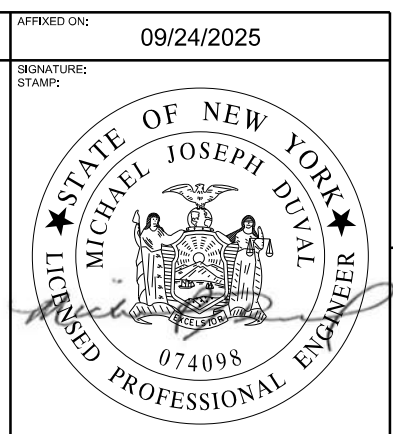
NOTE:
 1. REFER TO DWG. PDD-01 FOR DESCRIPTION OF WORK TO BE DONE AND POND DETAILS.

POND	ESTIMATED SEDIMENT DEPTH (FT)	ESTIMATED POND SEDIMENT VOLUME (CF)	ESTIMATED FOREBAY SEDIMENT VOLUME (CF)	ESTIMATED FLAT AREA SEDIMENT VOLUME (CF)	OVERFLOW WEIR WIDTH (LF)	OUTLET WEIR WIDTH (LF)
I-1	1	360	121	1085	10	10

ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	LS
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.5801	RESETTING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING (NEW POSTS)	LF
606.66	REMOVING AND STORING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS	EA
617.10000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.10000024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
619.1803	TEMPORARY IMPACT ATTENUATOR - REDIRECTIVE (TEST LEVEL 3)	LF
620.03	STONE FILLING (LIGHT)	CY
620.04	STONE FILLING MEDIUM	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	LF

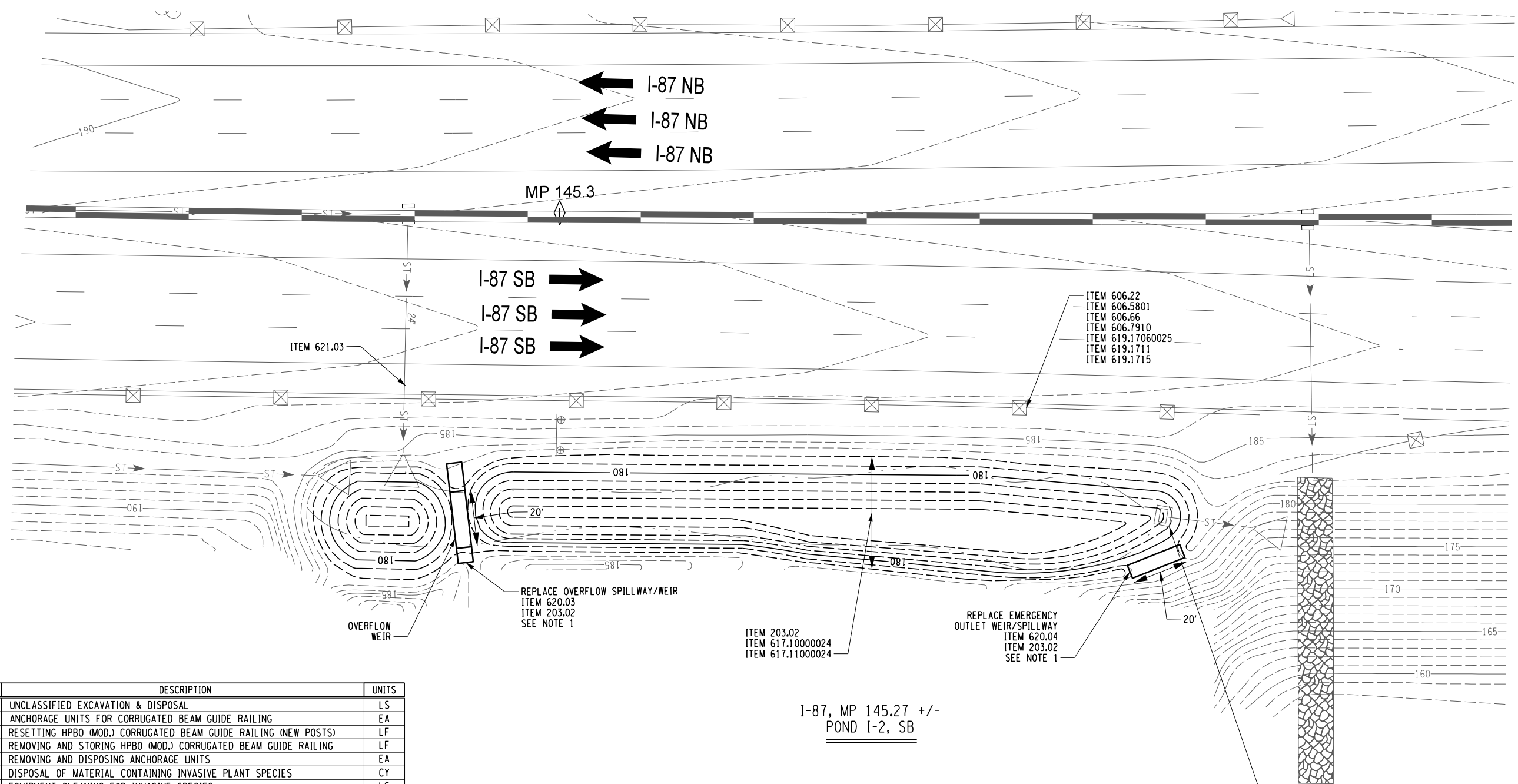
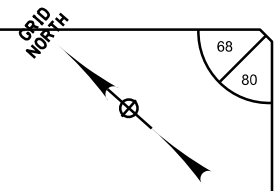
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING MP 145.06 POND I-1	DRAWING NUMBER: PND-07

PW/ CHECKED BY: R. BENNETT DRAFTED BY: E. ROSENZWEIG CHECKED BY: M. DUVAL DESIGNED BY: B. DEHAAN DESIGN SUPERVISOR: R. BENNETT

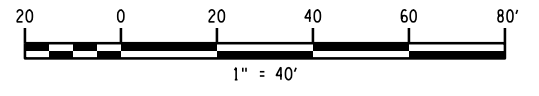


ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	LS
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.5801	RESETTING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING (NEW POSTS)	LF
606.66	REMOVING AND STORING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS	EA
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.11000024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
620.03	STONE FILLING (LIGHT)	CY
620.04	STONE FILLING (MEDIUM)	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	LF

I-87, MP 145.27 +/-
POND I-2, SB

POND	ESTIMATED SEDIMENT DEPTH (FT)	ESTIMATED POND SEDIMENT VOLUME (CF)	ESTIMATED FOREBAY SEDIMENT VOLUME (CF)	ESTIMATED FLAT AREA SEDIMENT VOLUME (CF)	OVERFLOW WEIR WIDTH (LF)	OUTLET WEIR WIDTH (LF)
I-2	3	5633	122	743	20	20

NOTE:
1. REFER TO DWG. PDD-01 FOR DESCRIPTION OF WORK TO BE DONE AND POND DETAILS.



ALTERED ON: _____ AFFIXED ON: 09/24/2025

SIGNATURE: _____ STAMP: _____

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

Powered by partnership.

TITLE OF PROJECT:
CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK

LOCATION OF PROJECT:
MP 91.3+/- TO MP 197.4+/-
MP B3.7+/- TO MP B21.5+/-

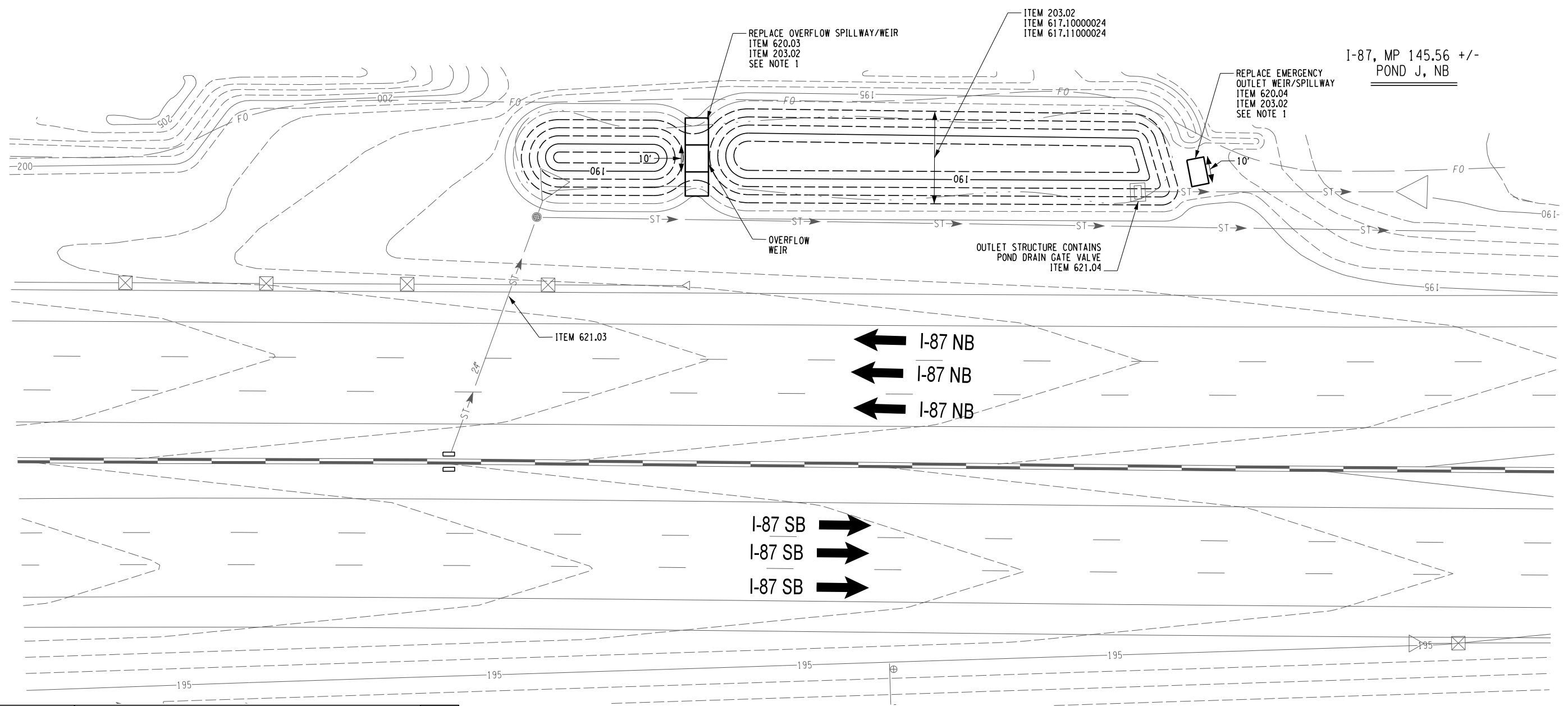
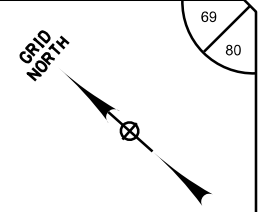
TITLE OF DRAWING:
MP 145.27 POND I-2

CONTRACT NUMBER:
TAA 25-23

DATE:
09/2025

DRAWING NUMBER:
PND-08

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT



ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	LS
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.1100024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
620.03	STONE FILLING (LIGHT)	CY
620.04	STONE FILLING MEDIUM	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	LF

ALTERED ON: _____ AFFIXED ON: 09/24/2025

SIGNATURE: _____ STAMP: _____

POND	ESTIMATED SEDIMENT DEPTH (FT)	ESTIMATED POND SEDIMENT VOLUME (CF)	ESTIMATED FOREBAY SEDIMENT VOLUME (CF)	ESTIMATED FLAT AREA SEDIMENT VOLUME (CF)	OVERFLOW WEIR WIDTH (LF)	OUTLET WEIR WIDTH (LF)
J	1.5	1741	326	1471	10	10

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

LaBella
Powered by partnership.

TITLE OF PROJECT: CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK

LOCATION OF PROJECT: MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-

TITLE OF DRAWING: MP 145.56+/- POND J

CONTRACT NUMBER: TAA 25-23

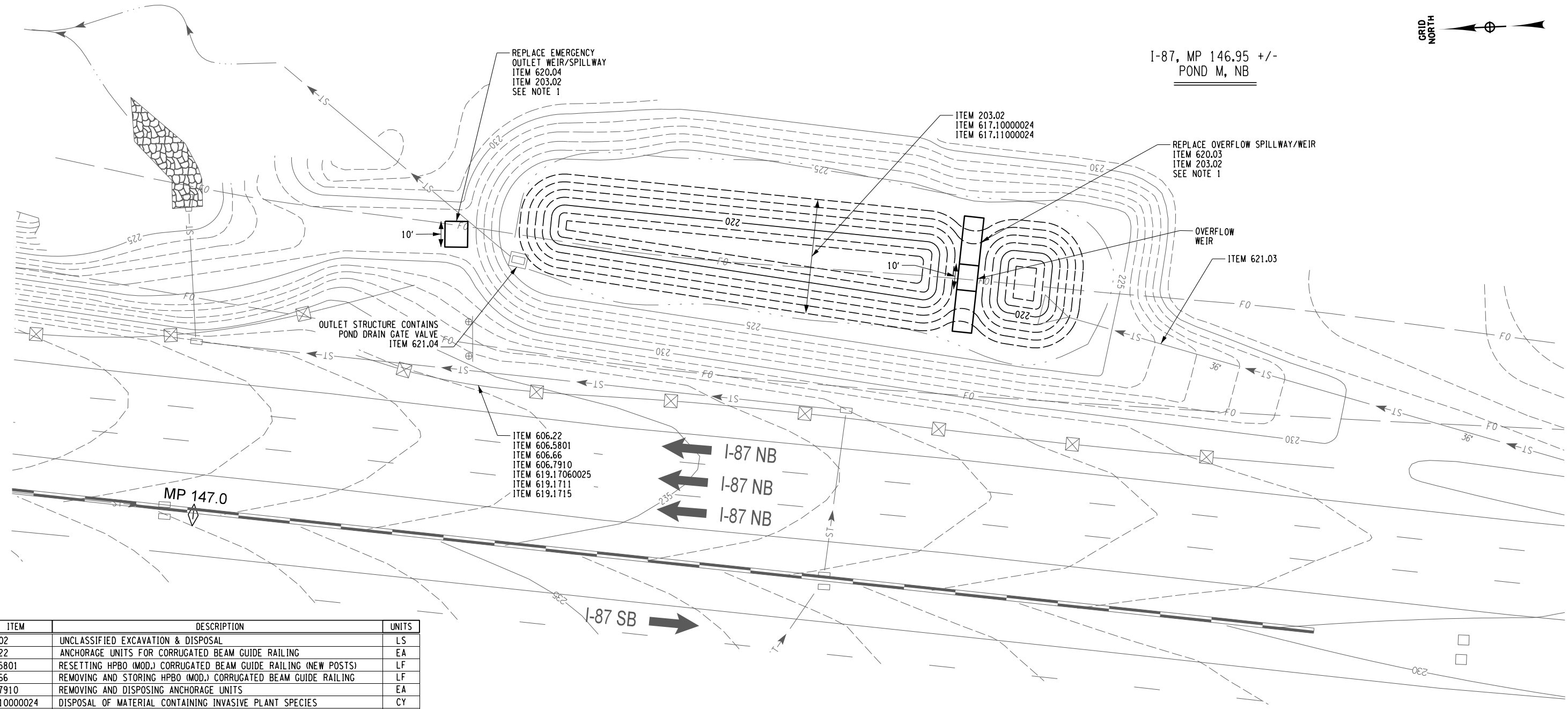
DATE: 09/2025

DRAWING NUMBER: PND-09

NOTE:
1. REFER TO DWG. PDD-01 FOR DESCRIPTION OF WORK TO BE DONE AND POND DETAILS.

PW/ R. BENNETT
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

70
80



ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	LS
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.5801	RESETTING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING (NEW POSTS)	LF
606.66	REMOVING AND STORING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS	EA
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.1100024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
620.03	STONE FILLING (LIGHT)	CY
620.04	STONE FILLING MEDIUM	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	LF

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

POND	ESTIMATED SEDIMENT DEPTH (FT)	ESTIMATED POND SEDIMENT VOLUME (CF)	ESTIMATED FOREBAY SEDIMENT VOLUME (CF)	ESTIMATED FLAT AREA SEDIMENT VOLUME (CF)	OVERFLOW WEIR WIDTH (LF)	OUTLET WEIR WIDTH (LF)
M	2	1973	370	1195	10	10

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING MP 146.95+/- POND M	DRAWING NUMBER: PND-10

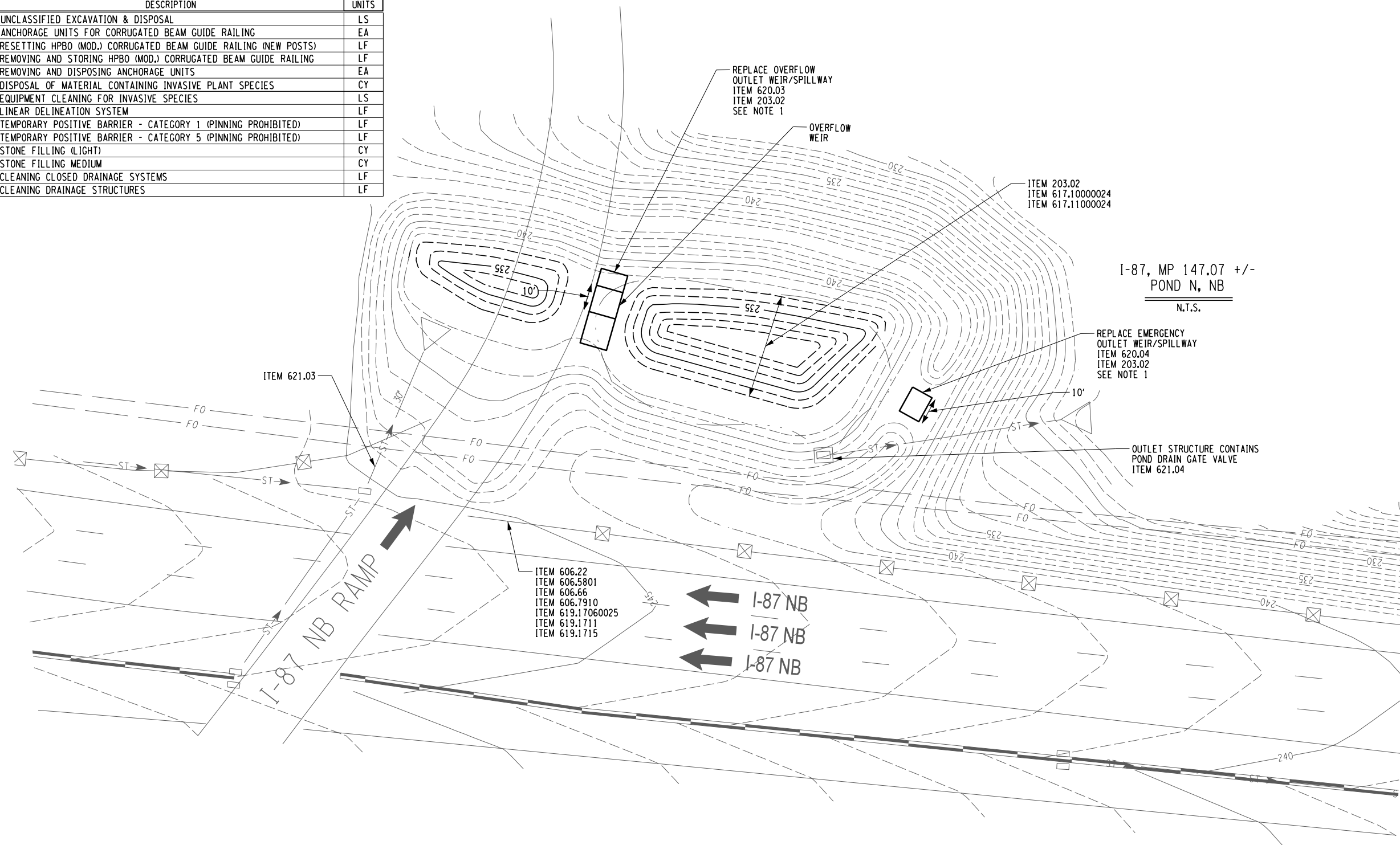
NOTE:
1. REFER TO DWG. PDD-01 FOR DESCRIPTION OF WORK TO BE DONE AND POND DETAILS.

PW: /
 CHECKED BY: R. BENNETT
 DRAFTED BY: E. ROSENZWEIG
 CHECKED BY: M. DUVAL
 DESIGNED BY: B. DEHAAN
 DESIGN SUPERVISOR: R. BENNETT

ITEM	DESCRIPTION	UNITS
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	LS
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.5801	RESETTING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING (NEW POSTS)	LF
606.66	REMOVING AND STORING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS	EA
617.1000024	DISPOSAL OF MATERIAL CONTAINING INVASIVE PLANT SPECIES	CY
617.11000024	EQUIPMENT CLEANING FOR INVASIVE SPECIES	LS
619.17060025	LINEAR DELINEATION SYSTEM	LF
619.1711	TEMPORARY POSITIVE BARRIER - CATEGORY 1 (PINNING PROHIBITED)	LF
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF
620.03	STONE FILLING (LIGHT)	CY
620.04	STONE FILLING MEDIUM	CY
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF
621.04	CLEANING DRAINAGE STRUCTURES	LF



71
80



ALTERED ON: _____ AFFIXED ON: 09/24/2025

SIGNATURE: _____
STAMP: _____

SIGNATURE: _____
STAMP: _____



POND	ESTIMATED SEDIMENT DEPTH (FT)	ESTIMATED POND SEDIMENT VOLUME (CF)	ESTIMATED FOREBAY SEDIMENT VOLUME (CF)	ESTIMATED FLAT AREA SEDIMENT VOLUME (CF)	OVERFLOW WEIR WIDTH (LF)	OUTLET WEIR WIDTH (LF)
N	1.5	499	302	732	10	10

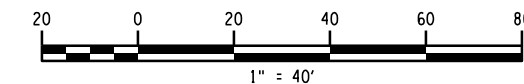
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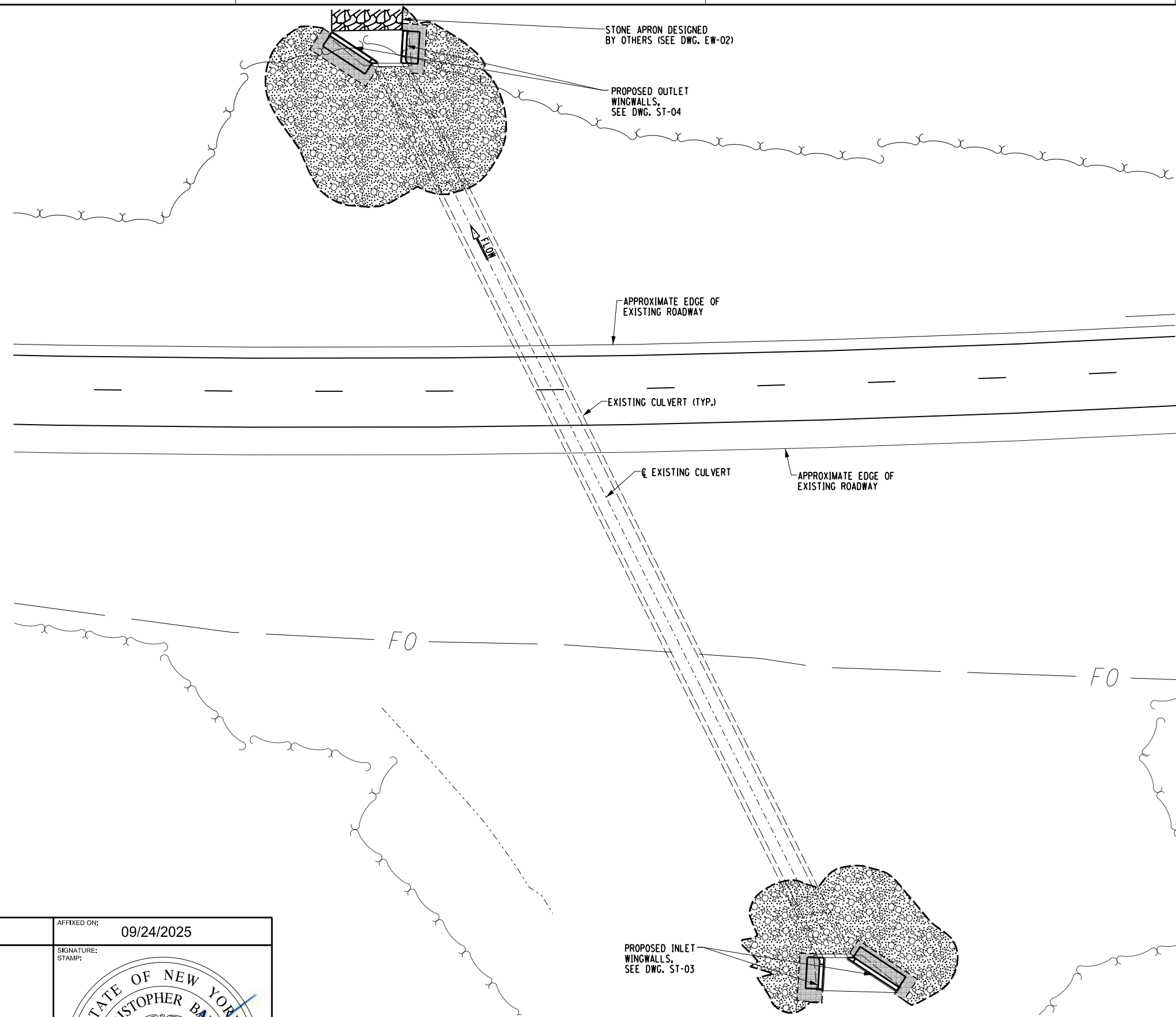
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING MP 147.07+/- POND N	DRAWING NUMBER: PND-11

NOTE:
1. REFER TO DWG. PDD-01 FOR DESCRIPTION OF WORK TO BE DONE AND POND DETAILS.

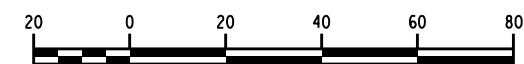




LEGEND

- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR EXCAVATION (ITEM 206.01)
- EMBANKMENT IN PLACE (ITEM 203.03)
- SELECT STRUCTURAL FILL (ITEM 203.21)

- NOTES:**
- 1.) HAUL ROADS TO BE PROVIDED UNDER ITEM 203.6100XX25, DESIGNED BY OTHERS.
 - 2.) SEE DWG. GNP-03 FOR GENERAL PLAN OF THE SITE.



ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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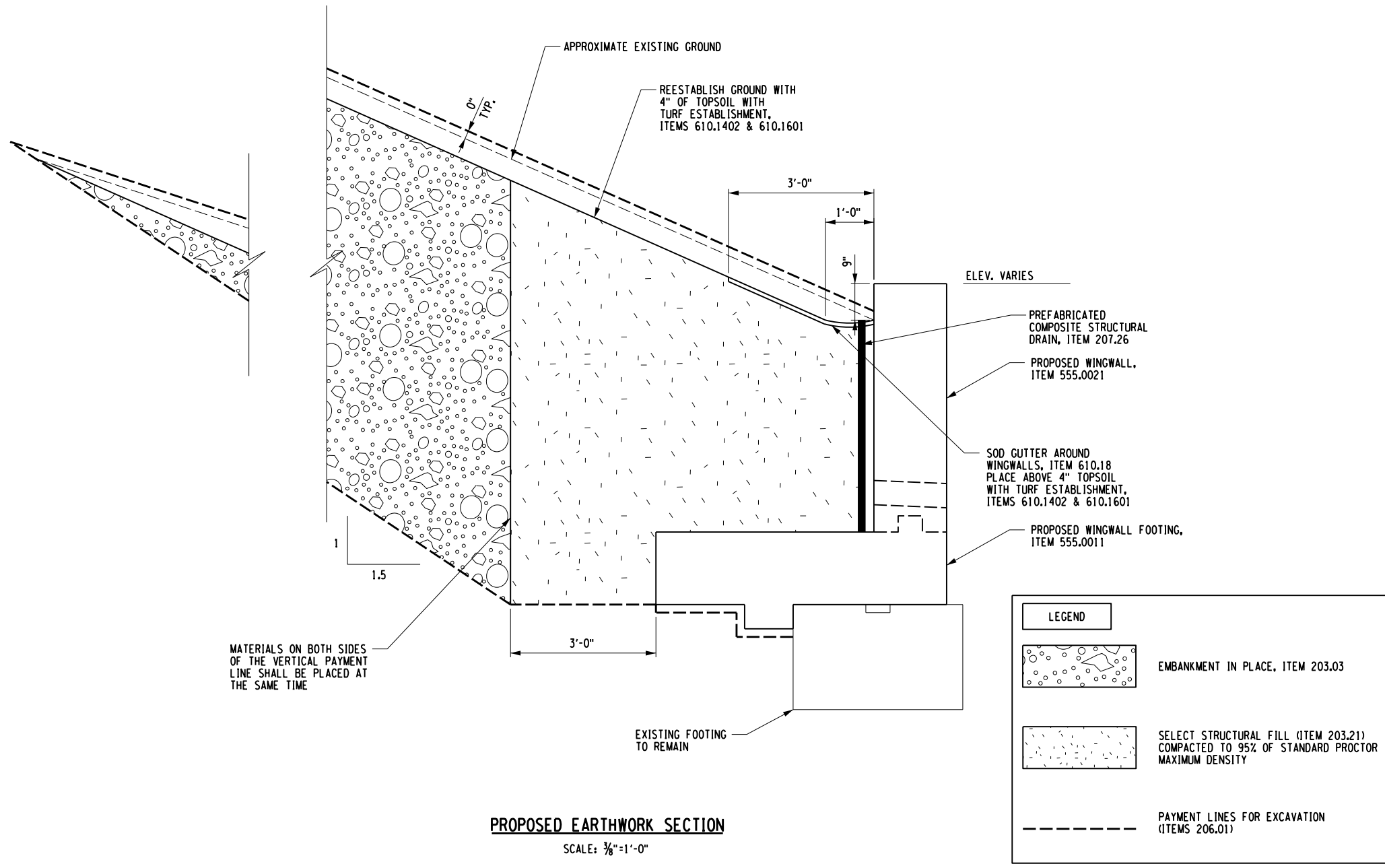
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

Thruway Authority

Powered by partnership.

TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING GENERAL PLAN MP B3.70	DRAWING NUMBER: ST-01

PW/ CHECKED BY: C. BAYER DRAFTED BY: S. DENMARK CHECKED BY: C. BAYER DESIGNED BY: J. RYLAND DESIGN SUPERVISOR: R. BENNETT



PROPOSED EARTHWORK SECTION

SCALE: 3/8"=1'-0"

LEGEND	
	EMBANKMENT IN PLACE, ITEM 203.03
	SELECT STRUCTURAL FILL (ITEM 203.21) COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY
	PAYMENT LINES FOR EXCAVATION (ITEMS 206.01)

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

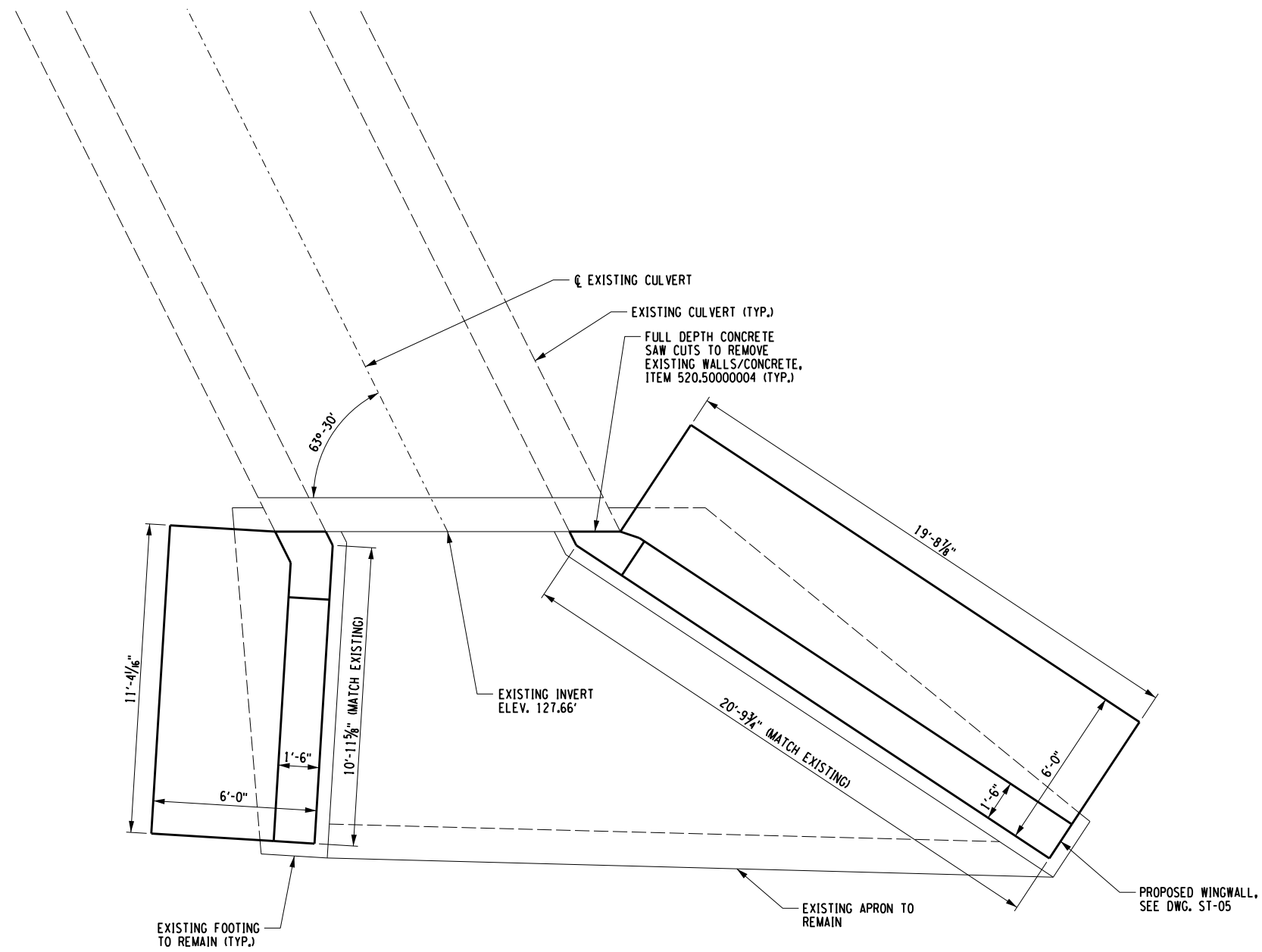
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REVISIONS			
DATE	DESCRIPTION	BY	SYL.

TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING EARTHWORK SECTION MP B3.70	DRAWING NUMBER: ST-02



PW/ CHECKED BY: C. BAYER DRAFTED BY: S. DENMARK DESIGNED BY: J. RYLAND CHECKED BY: C. BAYER DESIGN SUPERVISOR: R. BENNETT



PROPOSED INLET PLAN

SCALE: 3/16" = 1'-0"

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

Thruway Authority

Powered by partnership.

TITLE OF PROJECT
CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK

LOCATION OF PROJECT
MP 91.3+/- TO MP 197.4+/-
MP B3.7+/- TO MP B21.5+/-

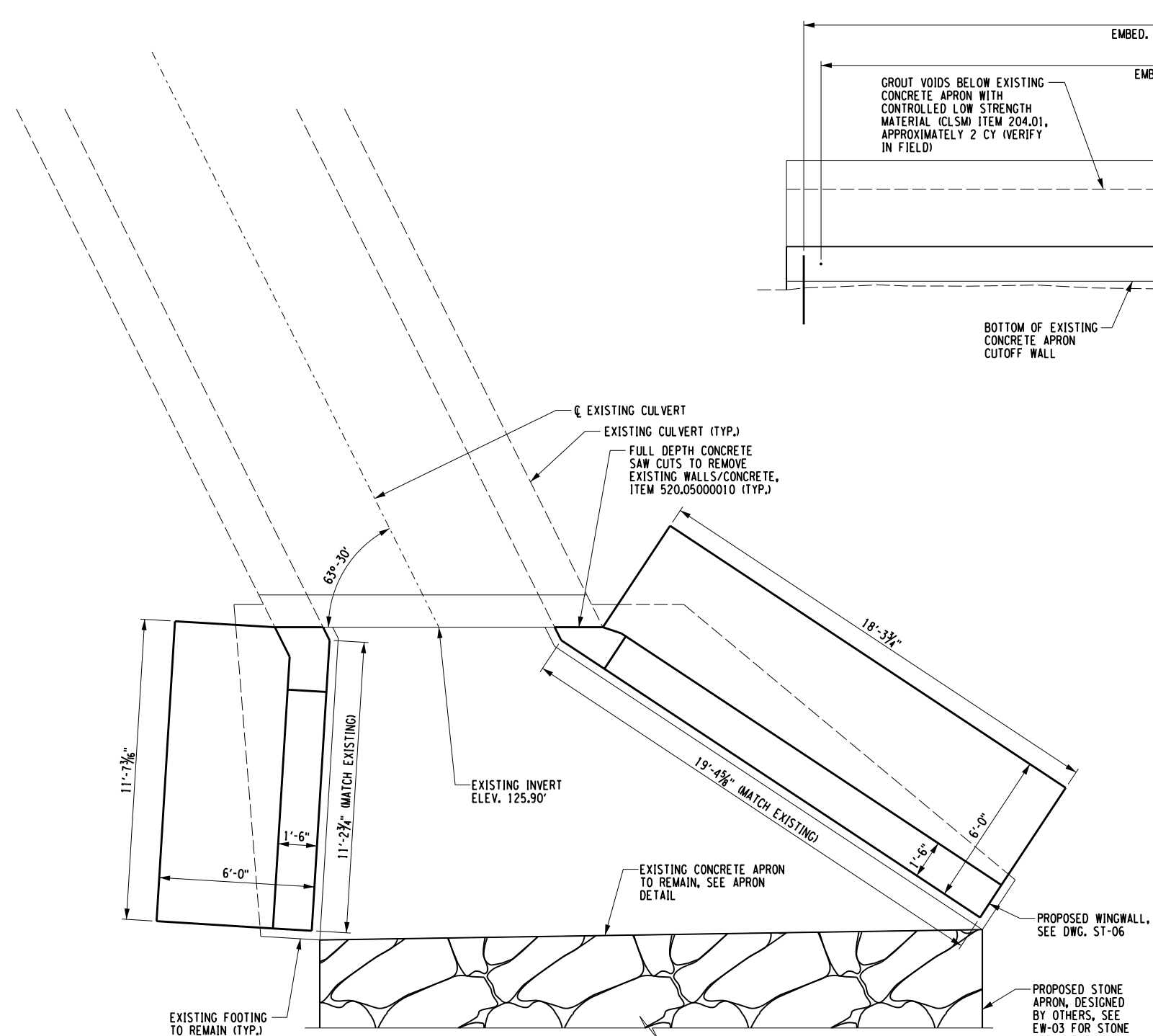
TITLE OF DRAWING
INLET PLAN
MP B3.70

CONTRACT NUMBER:
TAA 25-23

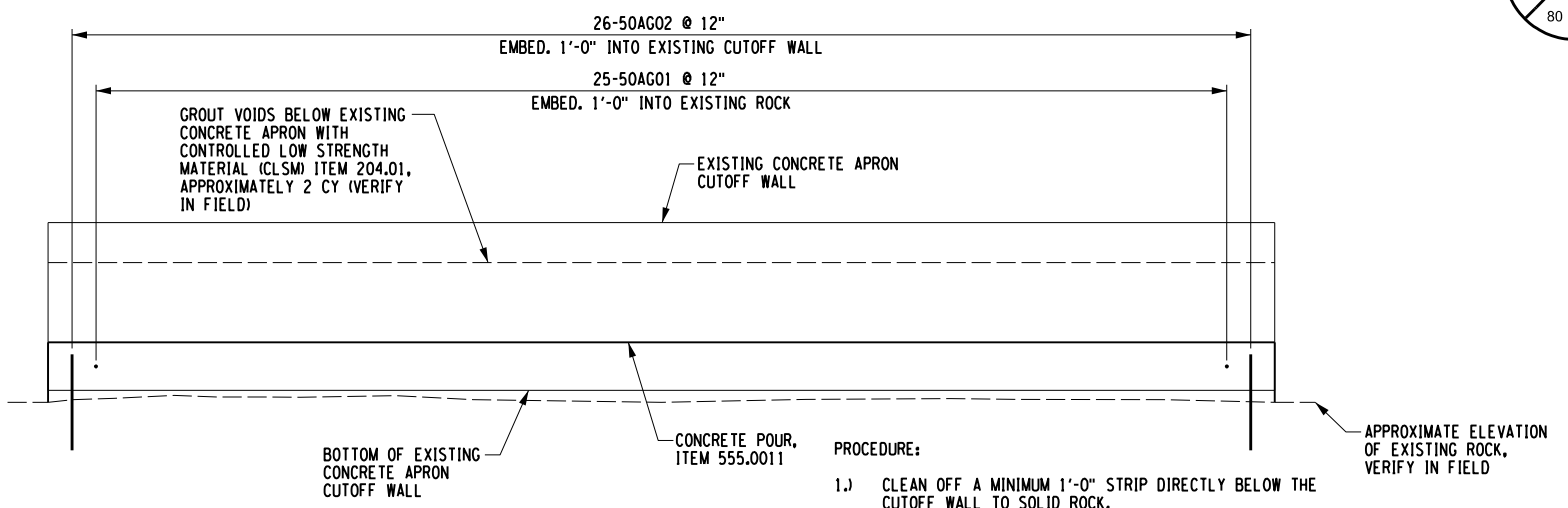
DATE:
09/2025

DRAWING NUMBER:
ST-03

PW/ CHECKED BY: C. BAYER DRAFTED BY: S. DENMARK CHECKED BY: C. BAYER DESIGNED BY: J. RYLAND DESIGN SUPERVISOR: R. BENNETT

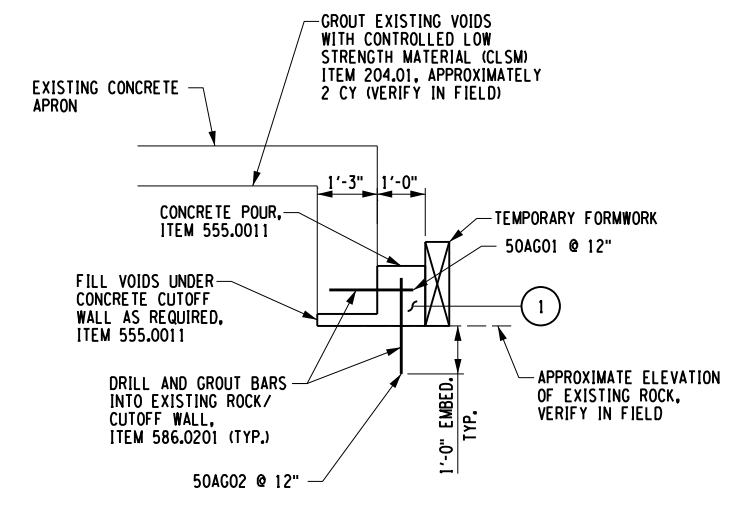


PROPOSED OUTLET PLAN
SCALE: 3/16" = 1'-0"



OUTLET CONCRETE APRON DETAIL
SCALE: 1/4" = 1'-0"

- PROCEDURE:**
- 1.) CLEAN OFF A MINIMUM 1'-0" STRIP DIRECTLY BELOW THE CUTOFF WALL TO SOLID ROCK.
 - 2.) DRILL AND GROUT REINFORCEMENT INTO EXISTING ROCK AND CUTOFF WALL. PLACE FORMWORK 1'-0" FROM CUTOFF WALL.
 - 3.) PLACE CONCRETE BETWEEN FORM AND EXISTING CUTOFF WALL.
 - 4.) AFTER CONCRETE CURES CORE SEVERAL HOLES (3-4 OR AS REQUIRED) IN EXISTING APRON. FILL VOIDS WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM), ITEM 204.01.
 - 5.) PATCH THE CORE HOLES WITH NON-SHRINK GROUT.



OUTLET CONCRETE APRON SECTION
SCALE: 1/4" = 1'-0"

LEGEND
① INDICATES CONCRETE PLACEMENT NUMBER

CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	1.5 CY	555.0011

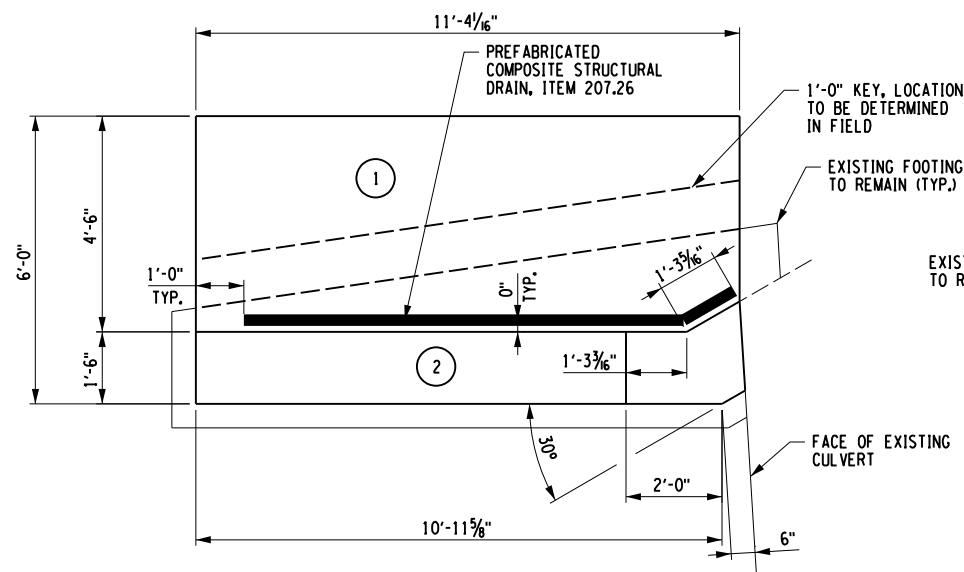
ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

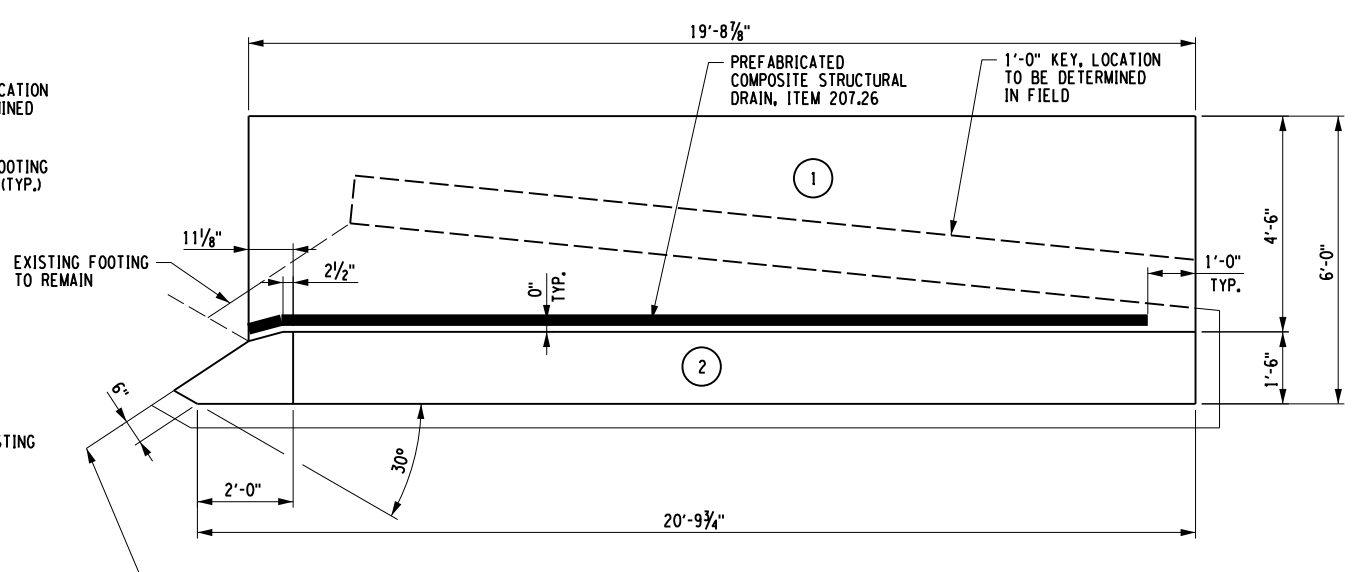
REVISIONS			
DATE	DESCRIPTION	BY	SYL.

	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING OUTLET PLAN MP B3.70	DRAWING NUMBER: ST-04

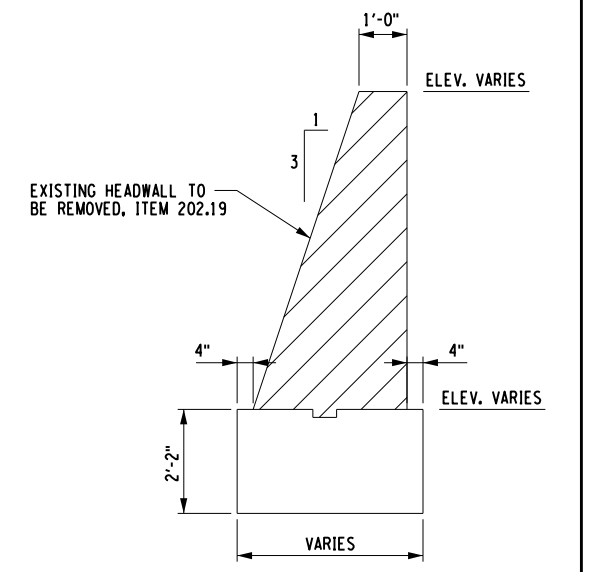
PW/ CHECKED BY: C. BAYER DRAFTED BY: S. DENMARK CHECKED BY: C. BAYER DESIGNED BY: J. RYLAND DESIGN SUPERVISOR: R. BENNETT



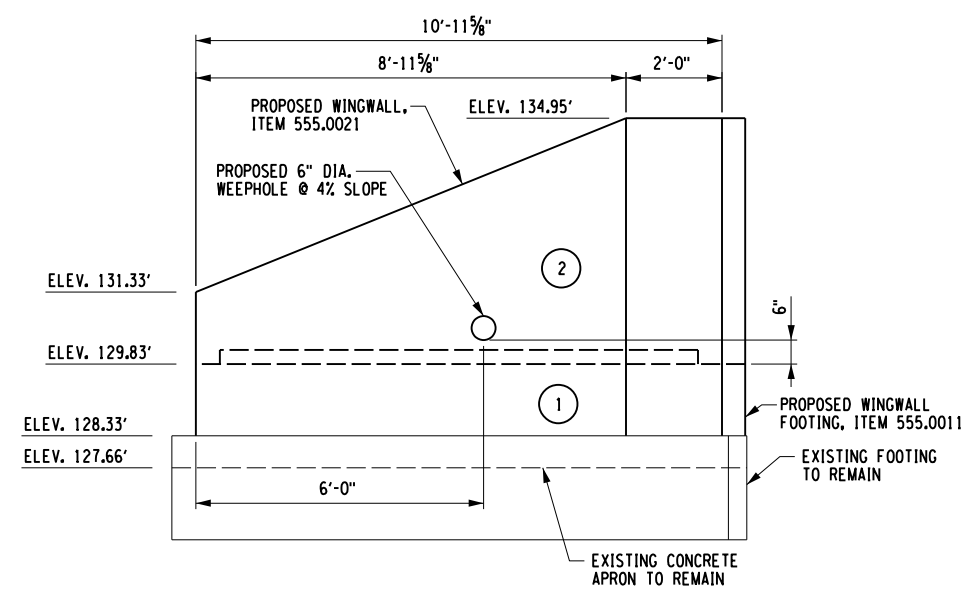
**INLET LEFT WINGWALL PLAN
LOOKING DOWNSTREAM**
SCALE: 1/4"=1'-0"



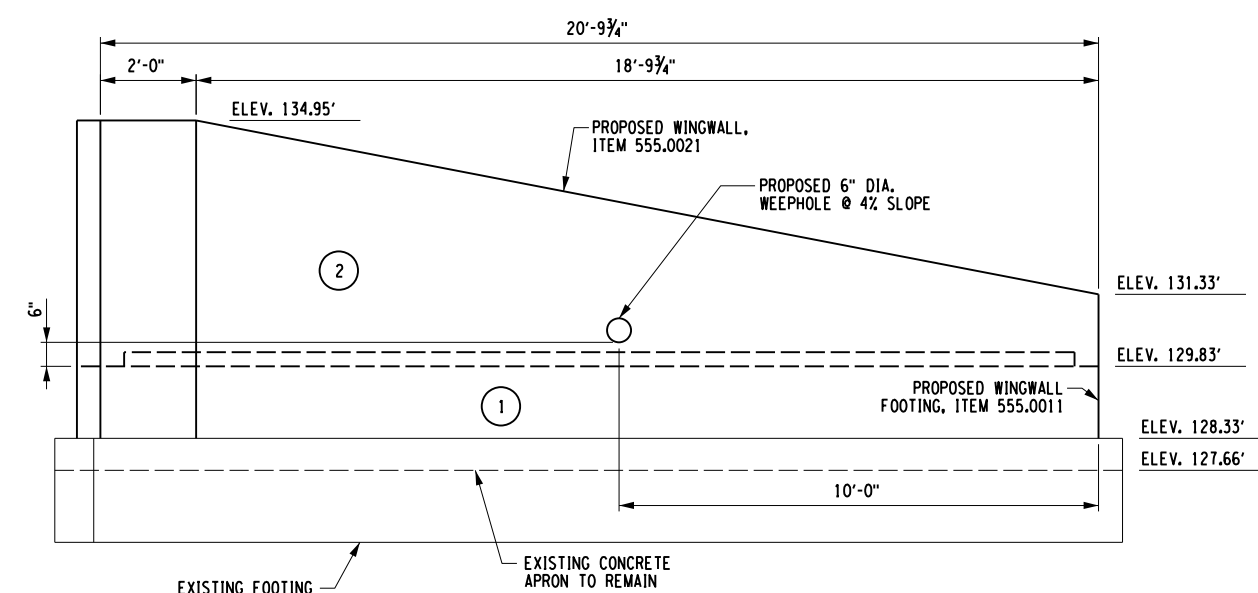
**INLET RIGHT WINGWALL PLAN
LOOKING DOWNSTREAM**
SCALE: 1/4"=1'-0"



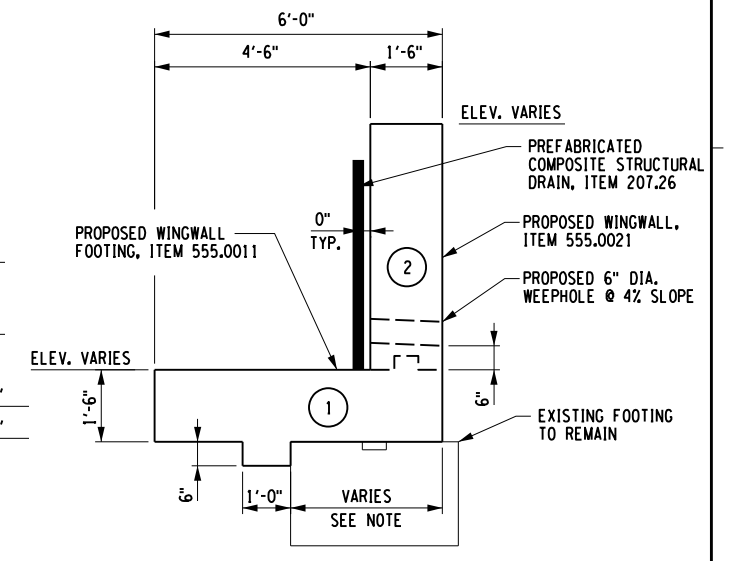
EXISTING WINGWALL SECTION
SCALE: 1/4"=1'-0"



**INLET LEFT WINGWALL ELEVATION
LOOKING DOWNSTREAM**
SCALE: 1/4"=1'-0"



**INLET RIGHT WINGWALL ELEVATION
LOOKING DOWNSTREAM**
SCALE: 1/4"=1'-0"



TYPICAL WINGWALL SECTION
SCALE: 1/4"=1'-0"

NOTE: KEY LOCATION TO BE DETERMINED IN FIELD

LEGEND
① INDICATES CONCRETE PLACEMENT NUMBER

INLET LEFT CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	4.0 CY	555.0011
2	2.4 CY	555.0021

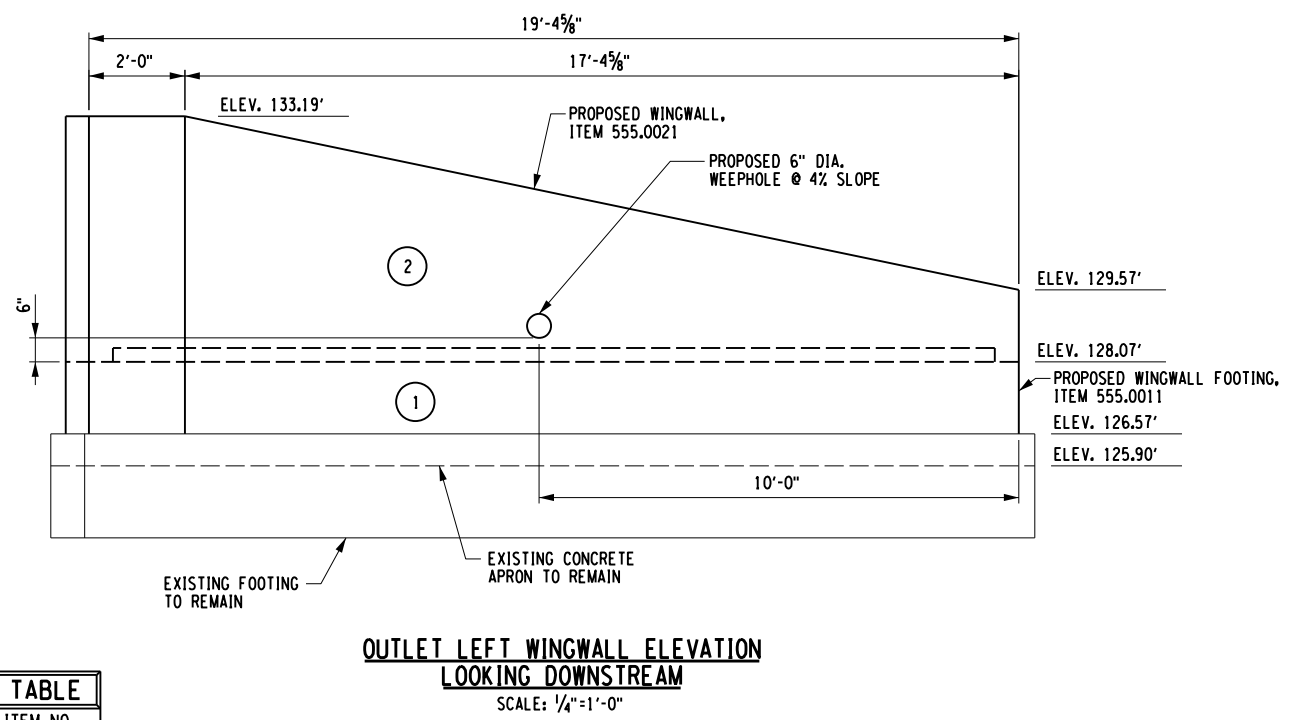
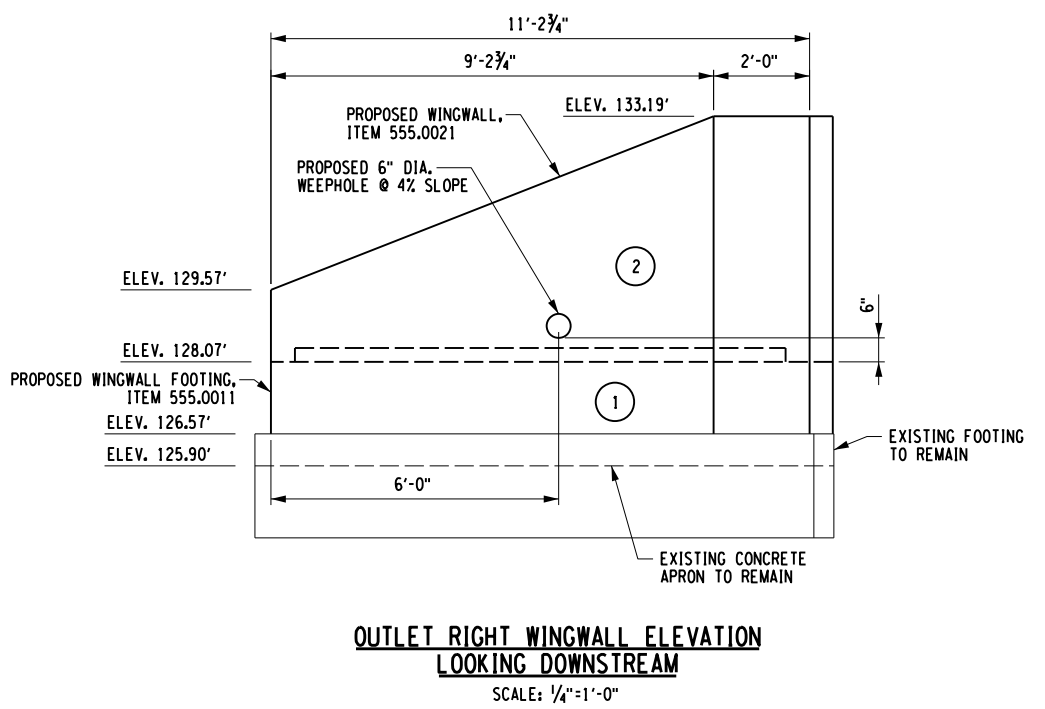
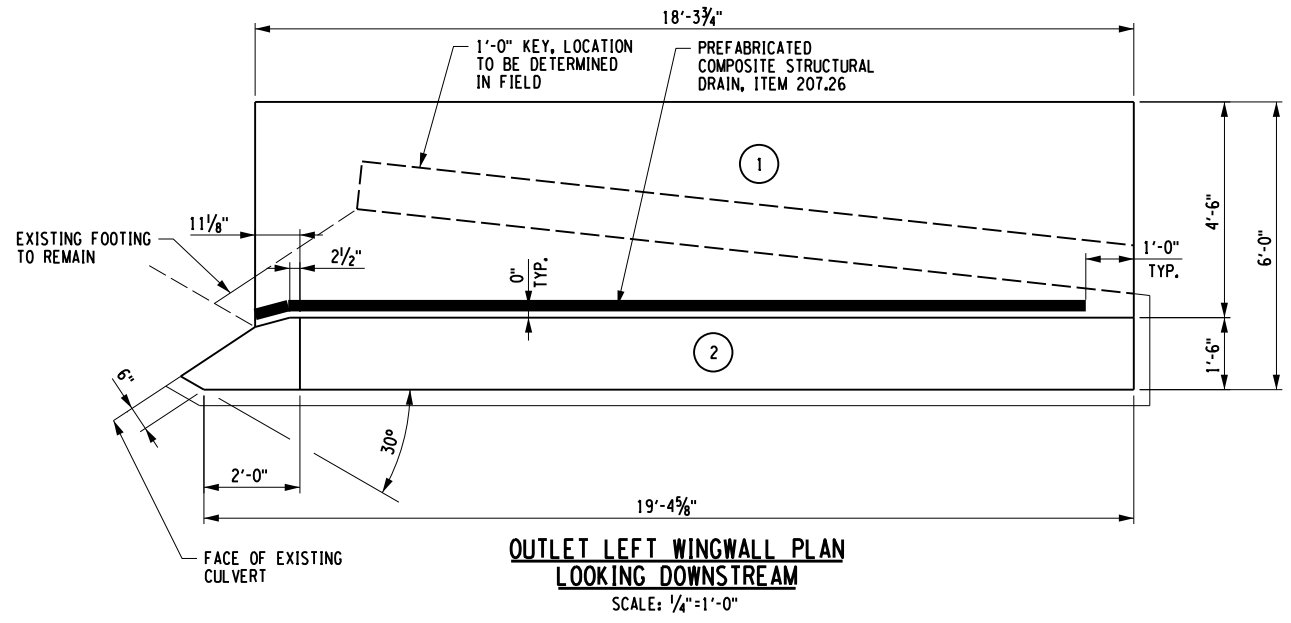
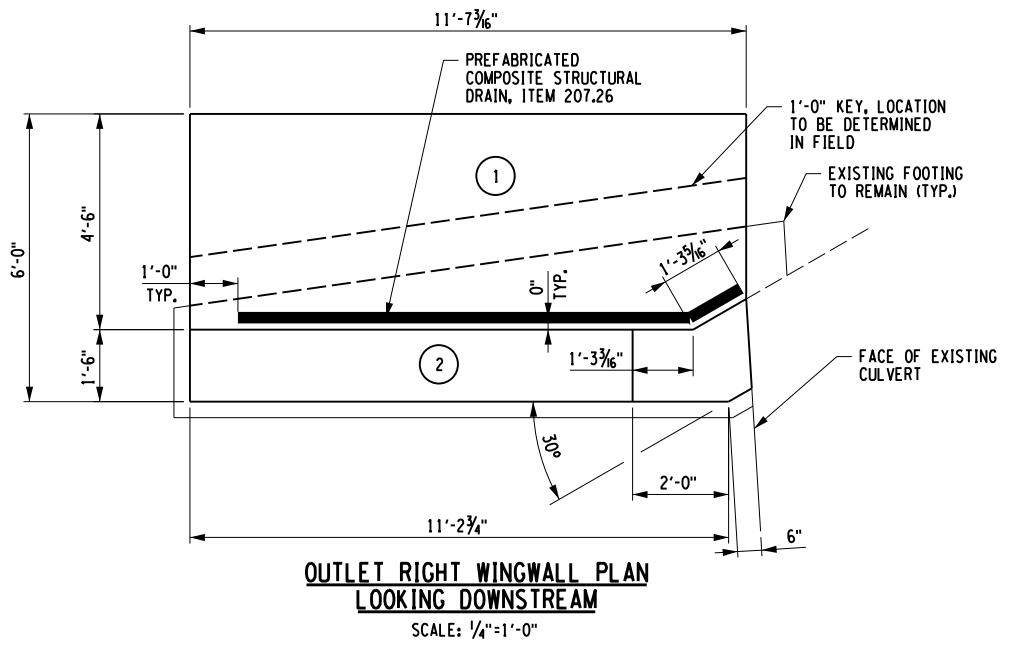
INLET RIGHT CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	7.0 CY	555.0011
2	3.9 CY	555.0021

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYL.

	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
	LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
	TITLE OF DRAWING INLET WINGWALL PLANS & ELEVATIONS MP B3.70	DRAWING NUMBER: ST-05



OUTLET LEFT CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	6.5 CY	555.0011
2	3.7 CY	555.0021

OUTLET RIGHT CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	4.1 CY	555.0011
2	2.5 CY	555.0021

LEGEND
① INDICATES CONCRETE PLACEMENT NUMBER

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

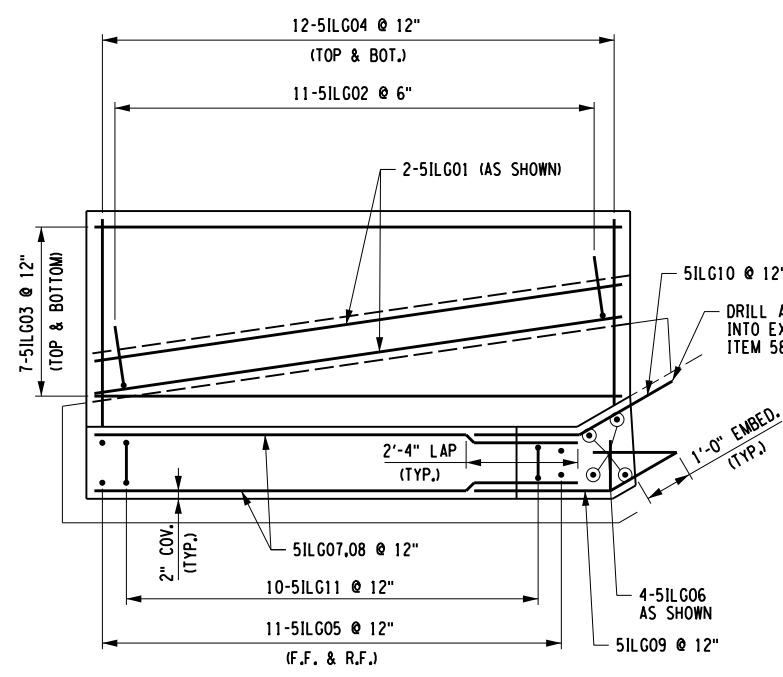


TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING OUTLET WINGWALL PLANS & ELEVATIONS MP B3.70	DRAWING NUMBER: ST-06

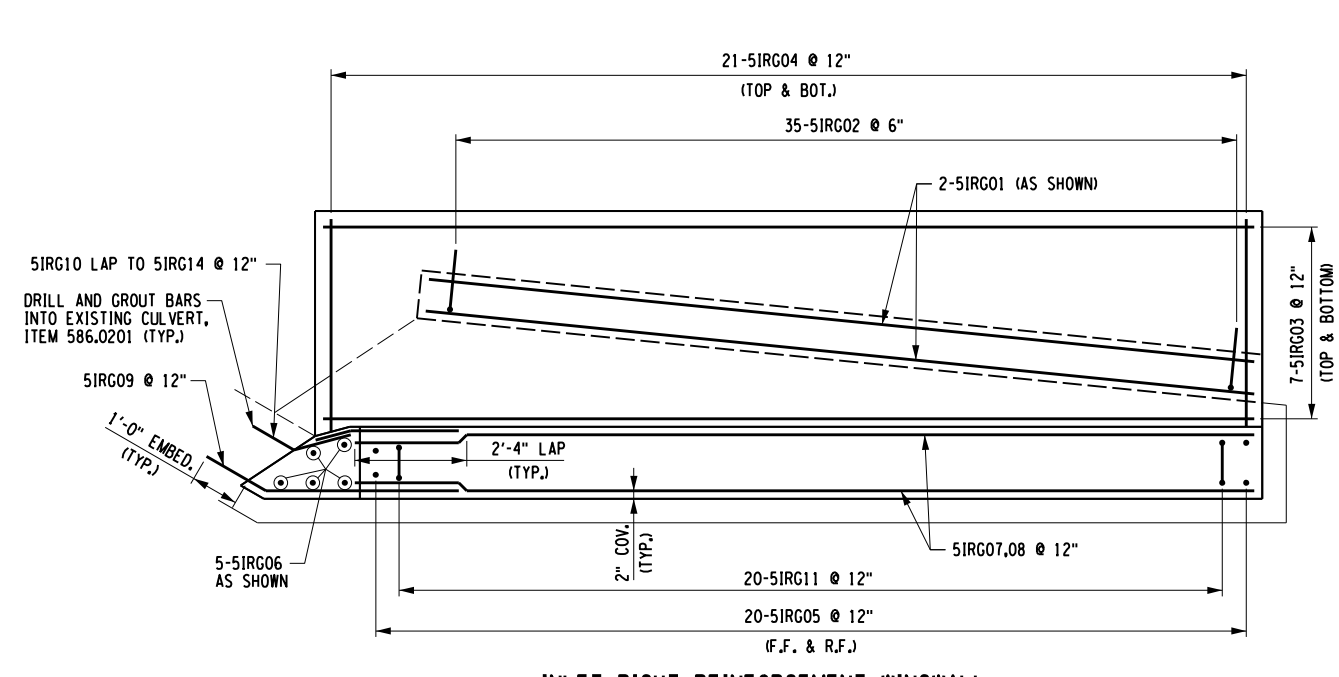
PW/ CHECKED BY: C. BAYER DRAFTED BY: S. DENMARK DESIGNED BY: J. RYLAND CHECKED BY: C. BAYER DESIGN SUPERVISOR: R. BENNETT

ALTERED ON: _____ AFFIXED ON: 09/24/2025

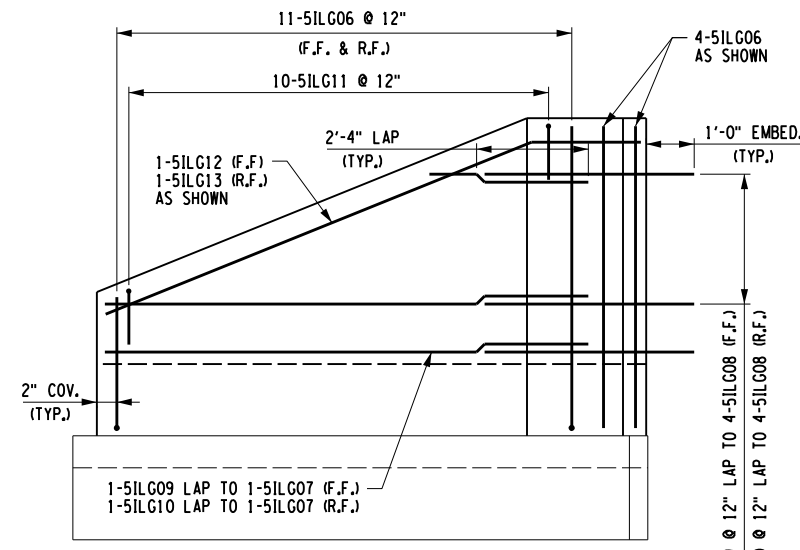
SIGNATURE: _____ SIGNATURE: _____
STAMP: _____



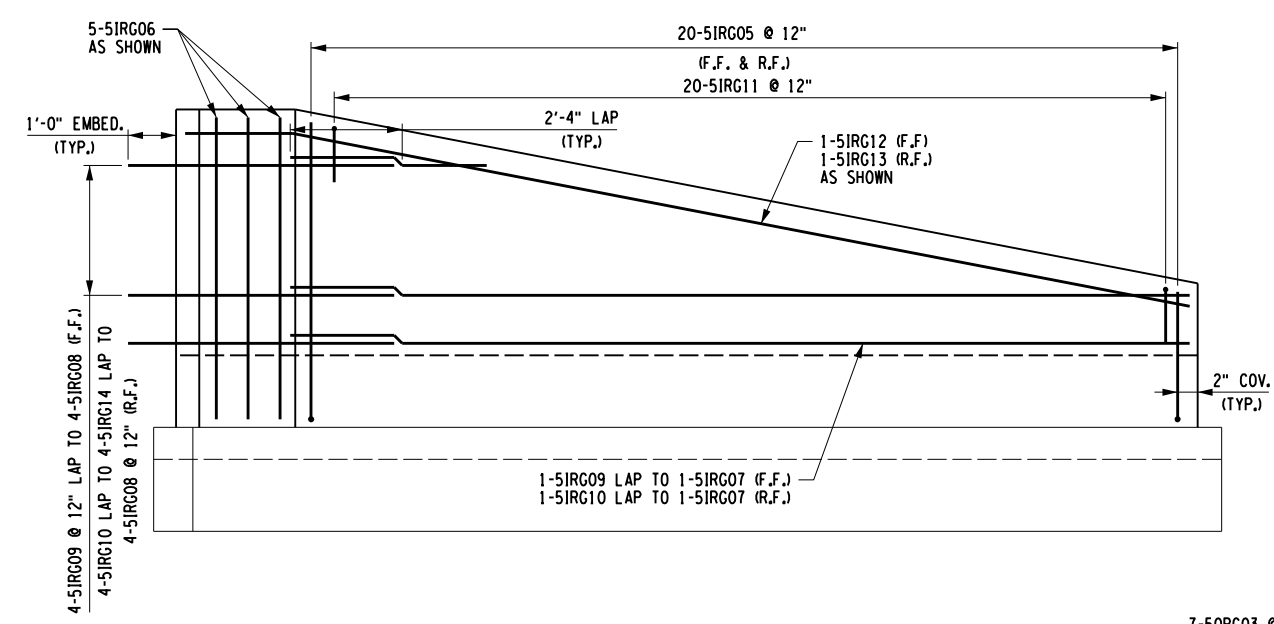
**INLET LEFT REINFORCEMENT WINGWALL
PLAN LOOKING DOWNSTREAM**
SCALE: 1/4"=1'-0"



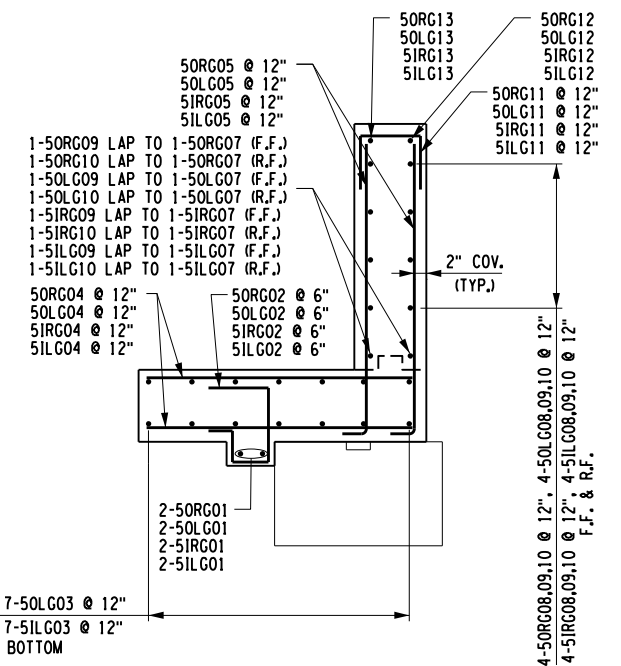
**INLET RIGHT REINFORCEMENT WINGWALL
PLAN LOOKING DOWNSTREAM**
SCALE: 1/4"=1'-0"



**INLET LEFT REINFORCEMENT WINGWALL
ELEVATION LOOKING DOWNSTREAM**
SCALE: 1/4"=1'-0"



**INLET RIGHT REINFORCEMENT WINGWALL
ELEVATION LOOKING DOWNSTREAM**
SCALE: 1/4"=1'-0"



**TYPICAL WINGWALL SECTION
(INLET AND OUTLET)**
SCALE: 1/4"=1'-0"

NOTE
ALL REINFORCEMENT SHALL BE GALVANIZED AND PAID FOR UNDER ITEM 556.0203

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REVISIONS			
DATE	DESCRIPTION	BY	SYL



TITLE OF PROJECT
CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK
LOCATION OF PROJECT
MP 91.3+/- TO MP 197.4+/-
MP B3.7+/- TO MP B21.5+/-
TITLE OF DRAWING
INLET WINGWALL REINFORCEMENT PLANS & ELEVATIONS MP B3.70

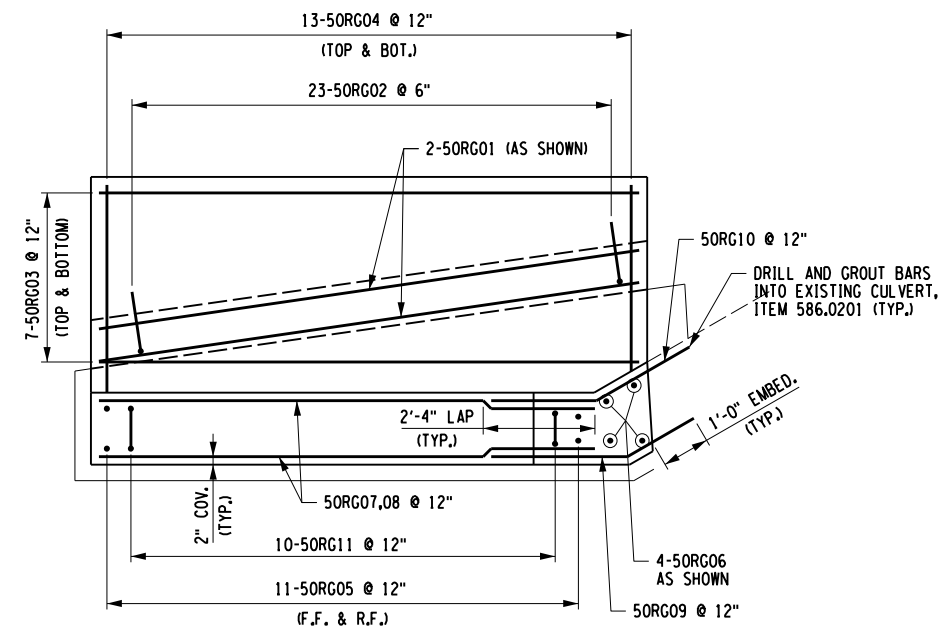
CONTRACT NUMBER:
TAA 25-23
DATE:
09/2025
DRAWING NUMBER:
ST-07

ALTERED ON: _____ AFFIXED ON: 09/24/2025

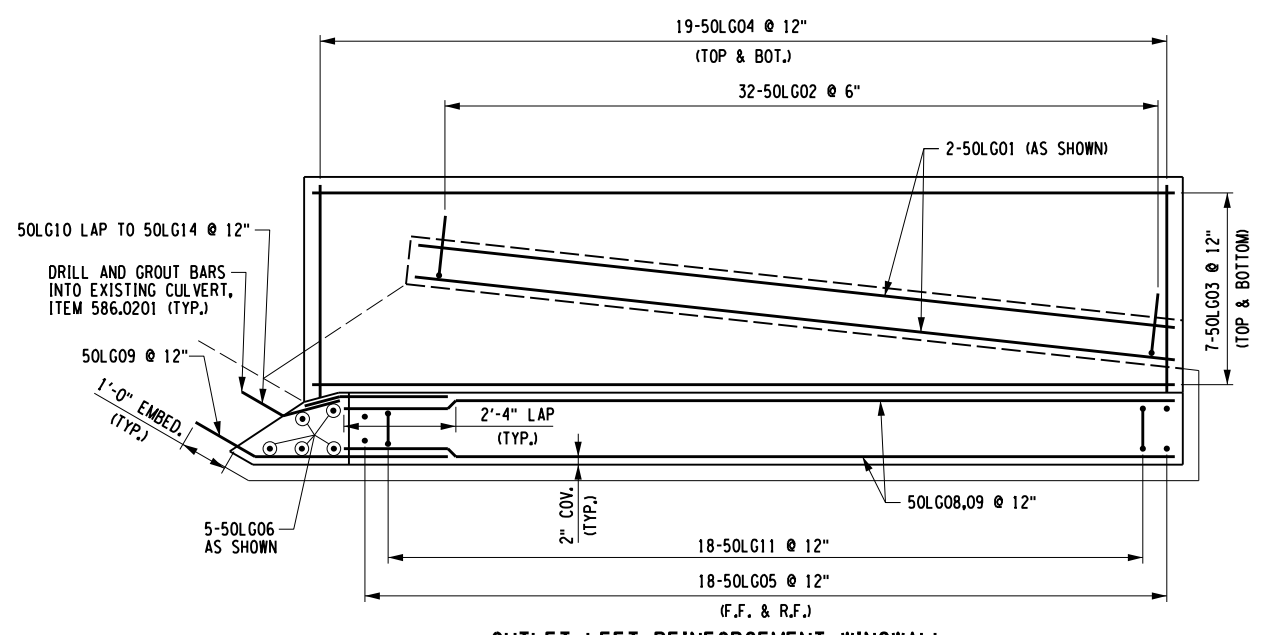
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SIGNATURE: _____ STAMP: _____

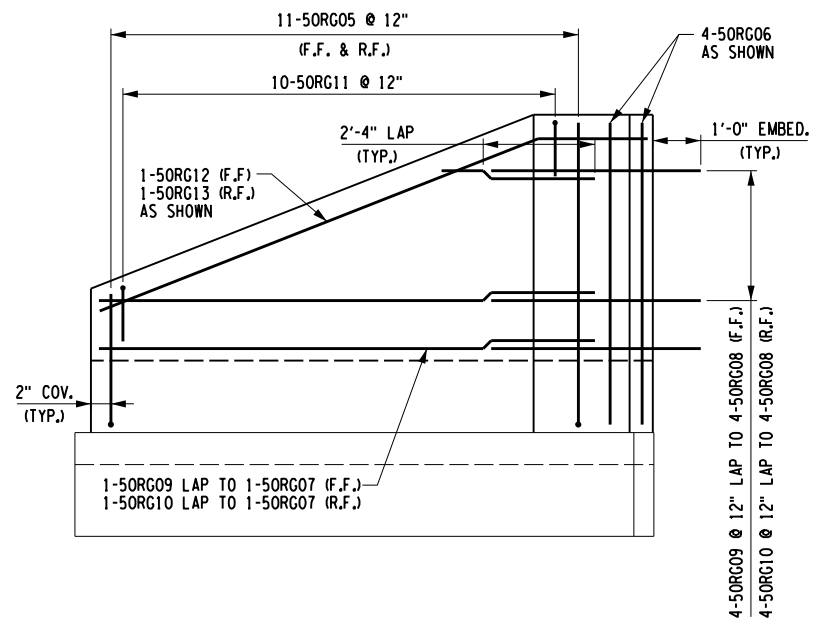
PW/ CHECKED BY: C. BAYER DRAFTED BY: S. DENMARK DESIGNED BY: J. RYLAND CHECKED BY: C. BAYER DESIGN SUPERVISOR: R. BENNETT



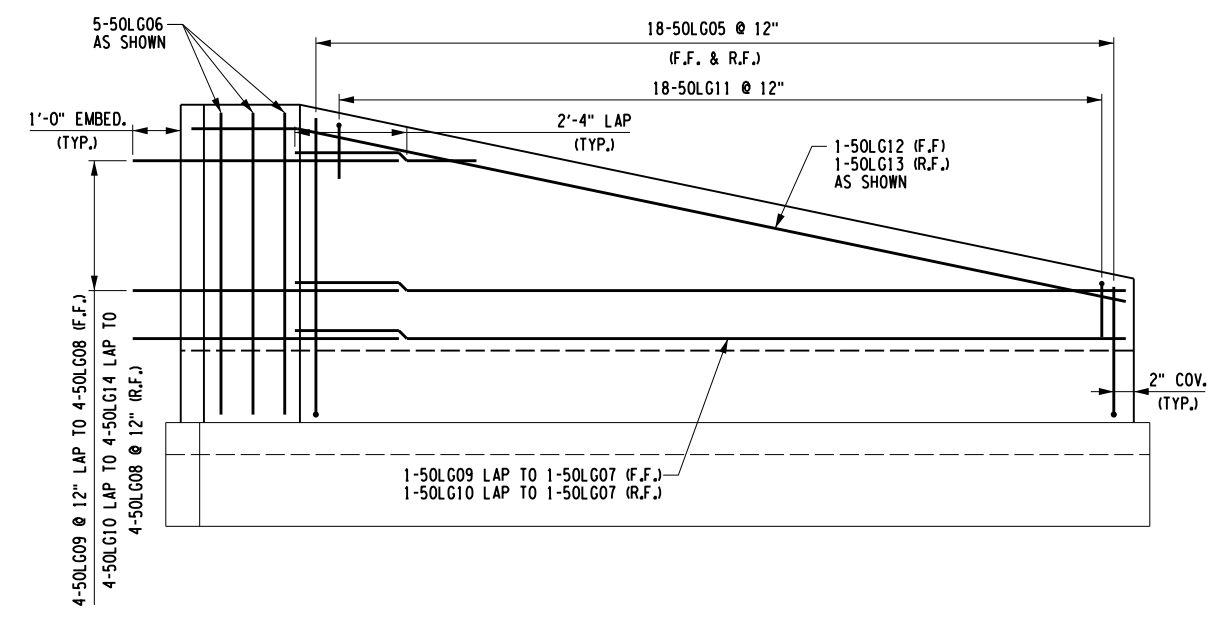
**OUTLET RIGHT REINFORCEMENT WINGWALL
PLAN LOOKING DOWNSTREAM**
SCALE: 1/4"=1'-0"



**OUTLET LEFT REINFORCEMENT WINGWALL
PLAN LOOKING DOWNSTREAM**
SCALE: 1/4"=1'-0"



**OUTLET RIGHT REINFORCEMENT WINGWALL
ELEVATION LOOKING DOWNSTREAM**
SCALE: 1/4"=1'-0"



**OUTLET LEFT REINFORCEMENT WINGWALL
ELEVATION LOOKING DOWNSTREAM**
SCALE: 1/4"=1'-0"

NOTE
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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK	CONTRACT NUMBER: TAA 25-23
LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	DATE: 09/2025
TITLE OF DRAWING OUTLET WINGWALL REINFORCEMENT PLANS & ELEVATIONS MP B3.70	DRAWING NUMBER: ST-08

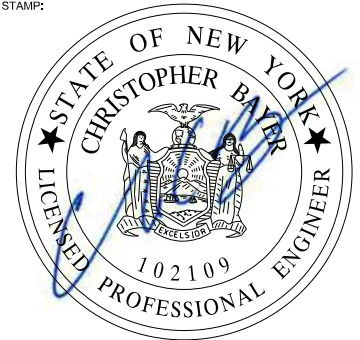
PW/ CHECKED BY: C. BAYER DRAFTED BY: S. DENMARK DESIGNED BY: J. RYLAND CHECKED BY: C. BAYER DESIGN SUPERVISOR: R. BENNETT

PW/ CHECKED BY: C. BAYER DRAFTED BY: S. DENMARK CHECKED BY: C. BAYER DESIGNED BY: J. RYLAND DESIGN SUPERVISOR: R. BENNETT

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H _{HI}	H ₂	J	K _{KI}	K ₂	L	O	R	
INLET LEFT WINGWALL																				
5ILG01	2	11'-1"	NI	23														11'-1"		
5ILG02	22	4'-3"	S5	98	1'-3"	1'-5"	0'-8"	0'-5"			0'-6"									
5ILG03	14	11'-0"	NI	161														11'-0"		
5ILG04	24	5'-8"	NI	142														5'-8"		
5ILG05	22	4'-12"	17	114		- -	4'-6"	0'-6"												
DIMENSION "C" VARIES FROM 2'-8" TO 6'-3"																				
5ILG06	4	6'-9"	17	28		- -	6'-3"	0'-6"												
5ILG07	2	10'-1"	NI	21														10'-1"		
5ILG08	8	6'-8"	NI	56														6'-8"		
DIMENSION "O" VARIES FROM 3'-3" TO 10'-1"																				
5ILG09	5	4'-5"	16	23	- -	- -	2'-10"	1'-7"				0'-10"			1'-5"			4'-3"		
5ILG10	5	4'-4"	16	23	- -	- -	2'-1"	2'-3"				1'-1"			1'-11"			4'-0"		
5ILG11	10	3'-4"	17	35		1'-1"	1'-2"	1'-1"												
5ILG12	1	11'-2"	16	12	- -	- -	1'-8"	9'-6"				3'-6"			8'-10"			10'-6"		
5ILG13	1	10'-5"	16	11	- -	- -	0'-11"	9'-6"				3'-6"			8'-10"			10'-6"		
SUBTOTAL GALVANIZED BARS =				747 lb																
SUBTOTAL EPOXY BARS =				0 lb																
INLET RIGHT WINGWALL																				
5IRG01	2	17'-3"	NI	36														17'-3"		
5IRG02	35	4'-3"	S5	155	1'-3"	1'-5"	0'-8"	0'-5"			0'-6"									
5IRG03	14	19'-4"	NI	282														19'-4"		
5IRG04	42	5'-8"	NI	248														5'-8"		
5IRG05	40	4'-12"	17	207		- -	4'-6"	0'-6"												
DIMENSION "C" VARIES FROM 2'-8" TO 6'-3"																				
5IRG06	5	6'-9"	17	35		- -	6'-3"	0'-6"												
5IRG07	2	18'-8"	NI	39														18'-8"		
5IRG08	8	11'-5"	NI	95														11'-5"		
DIMENSION "O" VARIES FROM 4'-1" TO 18'-8"																				
5IRG09	5	5'-5"	16	28	- -	- -	4'-0"	1'-5"				0'-9"			1'-3"			5'-3"		
5IRG10	5	2'-2"	16	11	- -	- -	1'-2"	1'-0"				0'-8"			0'-8"			1'-10"		
5IRG11	20	3'-4"	17	70		1'-1"	1'-2"	1'-1"												
5IRG12	1	20'-9"	16	22	- -	- -	1'-8"	19'-1"				3'-7"			18'-9"			20'-5"		
5IRG13	1	19'-1"	NI	20														19'-1"		
5IRG14	4	3'-0"	16	13	- -	- -	0'-9"	2'-3"				0'-6"			2'-2"			2'-11"		
SUBTOTAL GALVANIZED BARS =				1 261 lb																
SUBTOTAL EPOXY BARS =				0 lb																



MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H _{HI}	H ₂	J	K _{KI}	K ₂	L	O	R	
OUTLET RIGHT WINGWALL																				
5ILG01	2	11'-4"	NI	24															11'-4"	
5ILG02	23	4'-3"	S5	102	1'-3"	1'-5"	0'-8"	0'-5"			0'-6"									
5ILG03	14	11'-3"	NI	164														11'-3"		
5ILG04	26	5'-8"	NI	154														5'-8"		
5ILG05	22	4'-12"	17	114		- -	4'-6"	0'-6"												
DIMENSION "C" VARIES FROM 2'-8" TO 6'-3"																				
5ILG06	4	6'-9"	17	28		- -	6'-3"	0'-6"												
5ILG07	2	10'-4"	NI	22														10'-4"		
5ILG08	8	6'-9"	NI	56														6'-9"		
DIMENSION "O" VARIES FROM 3'-2" TO 10'-4"																				
5ILG09	5	4'-5"	16	23	- -	- -	2'-10"	1'-7"				0'-10"			1'-5"			4'-3"		
5ILG10	5	4'-4"	16	23	- -	- -	2'-1"	2'-3"				1'-1"			1'-11"			4'-0"		
5ILG11	10	3'-4"	17	35		1'-1"	1'-2"	1'-1"												
5ILG12	1	11'-5"	16	12	- -	- -	1'-8"	9'-9"				3'-7"			9'-1"			10'-9"		
5ILG13	1	10'-8"	16	11	- -	- -	0'-11"	9'-9"				3'-7"			9'-1"			10'-0"		
SUBTOTAL GALVANIZED BARS =				768 lb																
SUBTOTAL EPOXY BARS =				0 lb																
OUTLET LEFT WINGWALL																				
5IRG01	2	15'-10"	NI	33															15'-10"	
5IRG02	32	4'-3"	S5	142	1'-3"	1'-5"	0'-8"	0'-5"			0'-6"									
5IRG03	14	17'-11"	NI	262														17'-11"		
5IRG04	38	5'-8"	NI	225														5'-8"		
5IRG05	36	4'-12"	17	186		- -	4'-6"	0'-6"												
DIMENSION "C" VARIES FROM 2'-8" TO 6'-3"																				
5IRG06	5	6'-9"	17	35		- -	6'-3"	0'-6"												
5IRG07	2	17'-3"	NI	36														17'-3"		
5IRG08	8	10'-6"	NI	88														10'-6"		
DIMENSION "O" VARIES FROM 3'-9" TO 17'-3"																				
5IRG09	5	5'-5"	16	28	- -	- -	4'-0"	1'-5"				0'-9"			1'-3"			5'-3"		
5IRG10	5	2'-2"	16	11	- -	- -	1'-2"	1'-0"				0'-8"			0'-8"			1'-10"		
5IRG11	18	3'-4"	17	63		1'-1"	1'-2"	1'-1"												
5IRG12	1	19'-4"	16	20	- -	- -	1'-8"	17'-8"				3'-7"			17'-3"			18'-11"		
5IRG13	1	17'-8"	NI	18														17'-8"		
5IRG14	4	3'-0"	16	13	- -	- -	0'-9"	2'-3"				0'-6"			2'-2"			2'-11"		
SUBTOTAL GALVANIZED BARS =				1 160 lb																
SUBTOTAL EPOXY BARS =				0 lb																
OUTLET CUTOFF WALL																				
5OAG01	25	2'-0"	NI	52															2'-0"	
5OAG02	26	1'-10"	NI	50															1'-10"	
SUBTOTAL GALV. BARS =				102 lb																
SUBTOTAL EPOXY BARS =				0 lb																
TOTAL GALVANIZED BARS IN BOX CULVERT =				4038 lb																
TOTAL EPOXY BARS IN BOX CULVERT =				- lb																

NOTE
ALL REINFORCEMENT SHALL BE GALVANIZED AND PAID FOR UNDER ITEM 556.0203

ALTERED ON:	AFFIXED ON: 09/24/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYL

 	TITLE OF PROJECT CULVERT REHABILITATION, DRAINAGE REPAIRS AND MISCELLANEOUS WORK LOCATION OF PROJECT MP 91.3+/- TO MP 197.4+/- MP B3.7+/- TO MP B21.5+/-	CONTRACT NUMBER: TAA 25-23 DATE: 09/2025
	TITLE OF DRAWING OUTLET WINGWALL REINFORCEMENT TABLES MP B3.70	DRAWING NUMBER: ST-09