



BUFFALO DIVISION  
PLANS FOR  
SAFETY IMPROVEMENTS AND MISCELLANEOUS WORK ON I-90  
FROM  
MP 467.00 TO MP 485.50 WB  
AND  
MP 467.00 TO MP 483.00 EB  
IN  
CHAUTAUQUA COUNTY  
TAB 25-15      D215036  
125 SHEETS

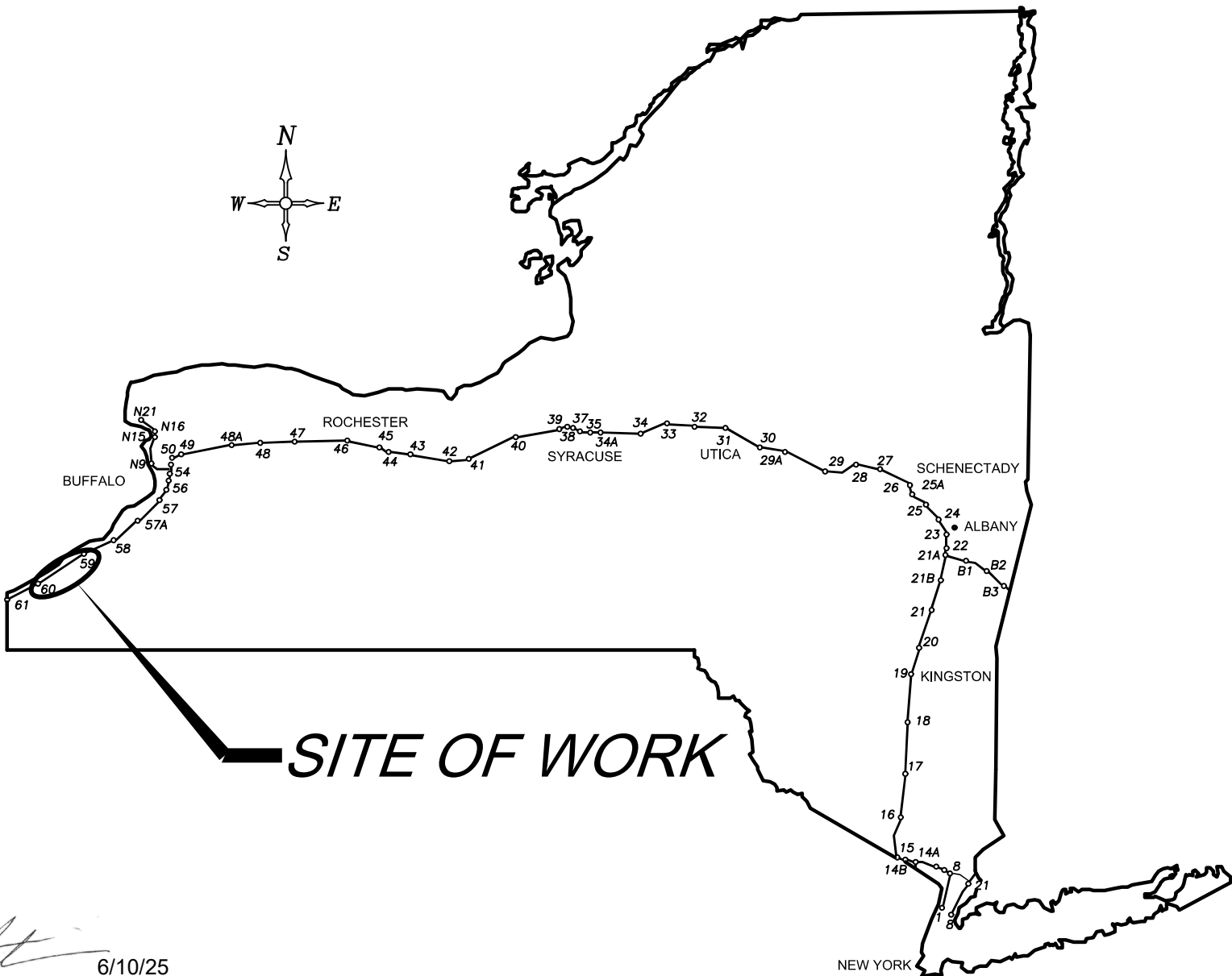
TYPE OF CONSTRUCTION:  
SAFETY IMPROVEMENTS & MISCELLANEOUS WORK INCLUDING GUIDE RAIL/MEDIAN PIER PROTECTION, DRAINAGE IMPROVEMENTS & GUIDE SIGN/FOUNDATION IMPROVEMENTS BETWEEN INTERCHANGES 59 & 60.

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".


THE CONTRACTOR SHALL REFER TO DRAWINGS GNN-1 & MST-1 FOR A LIST OF CULVERTS THAT ARE BEING WORKED ON IN THIS PROJECT.



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:  DATE: 6/10/25  
DIRECTOR, OFFICE OF DESIGN

RECOMMENDED BY:  DATE: 6/11/25  
DIVISION DIRECTOR

RECOMMENDED BY:  DATE: 6/10/2025  
TRAFFIC ENGINEER

RECOMMENDED BY:  DATE: 06/11/2025  
DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT

RECOMMENDED BY:  DATE: 06/11/2025  
DIRECTOR OF MAINTENANCE AND OPERATIONS

APPROVED BY:  DATE: 06/11/2025  
CHIEF ENGINEER

PREPARED AND RECOMMENDED BY:  
 DATE: 05/09/2025  
STANTEC CONSULTING SERVICES, INC  
BRYCE A. WALKER, P.E.  
LIC. #079340 

Plotted By: sromeliser  
Design File: 04US0258-PF5501.dgn  
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CHECKED BY: J. JOHNS

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DESIGNED BY: J. HOFMANN

CHECKED BY: S. ROMEISER

DRAFTED BY: S. ROMEISER

CHECKED BY: B. WALKER

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
℄	BASELINE	BDY	BOUNDARY	GP	GUY POLE
BRG	BEARING	BLDG	BUILDING	GSB	GAS SERVICE BOX (HOUSE LINE)
℄	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		
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE	ABBR.	DESCRIPTION
R	RADIUS	MB	MAILBOX	REPLACE ABBREVIATION "AB" WITH:	
SC	SPIRAL TO CURVE	MON	MONUMENT		
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER	AH	HAND AUGER
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND	CP	CONE PENETROMETER
STA	STATION	O/H	OVERHEAD	DA	2¼ INCHES CASD DRILL HOLE
T	TANGENT LENGTH	P	PARCEL	DM	DRILLING MUD
TGL	THEORETICAL GRADE LINE	PAV'T	PAVEMENT	DN	4 INCHES CASD DRILL HOLE
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT	FH	HOLLOW FLIGHT AUGER
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE	PA	POWER AUGER
TOPOGRAPHY (DRAINAGE)		R	PROPERTY LINE	PH	PROBE
		POR	PORCH	PT	PERCOLATION TEST HOLE
ABBR.	DESCRIPTION	RR	RAILROAD	RP	1 INCH SAMPLER (RETRACTABLE PLUG)
BB	BOTTOM OF BANK (STREAM)	RTE	ROUTE	TO BE DEFINED AT THE TIME OF EXPLORATION	
BC	BOTTOM OF CURB	ROW	RIGHT OF WAY		
BO	BOTTOM OF OPENING	RW	RETAINING WALL	SP	SEISMIC POINT
CAP	CORRUGATED ALUMINUM PIPE	SH	STATE HIGHWAY	TP	TEST PIT
CB	CATCH BASIN	SHLDR	SHOULDER	ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:	
CIP	CAST IRON PIPE	SPK	SPIKE		
℄ STRM	CENTERLINE OF STREAM	ST	STREET	B	BRIDGE
CMP	CORRUGATED METAL PIPE	STK	STAKE	C	CUT
CP	CONCRETE PIPE	STY	STORY	D	DAM
CSP	CORRUGATED STEEL PIPE	SW	SIDEWALK	F	FILL
CULV	CULVERT	TE	TEMPORARY EASEMENT	K	CULVERT
DIA	DIAMETER	TO	TEMPORARY OCCUPANCY	W	WALL
DMH	DRAINAGE MANHOLE	U/G	UNDERGROUND	X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE
DS	DRAINAGE STRUCTURE PIPE	WW	WING WALL		
D'XING	DITCH CROSSING				
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
ft²	SF	SQUARE FEET
YD²	SY	SQUARE YARD
AC	AC	ACRES
YD³	CY	CUBIC YARD
GAL	GAL	GALLON
lb	LB	POUND
TON	TON	TON

INDEX		TOTAL NUMBER OF SHEETS	125
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER	
1	TITLE SHEET	COVER	
2	INDEX AND ABBREVIATIONS	INDEX	
3-4	LEGEND, LINE AND POINT SYMBOLOLOGY	LEG-1 TO LEG-2	
5	PROJECT MILEPOST DIAGRAM	PMD-1	
6	STANDARD SHEET	SS-1	
7	GENERAL NOTES	GNN-1	
8-16	MISCELLANEOUS TABLES	MST-1 TO MST-9	
17-20	WORK ZONE TRAFFIC CONTROL	WZTC-1 TO WZTC-4	
21-34	DRAINAGE DETAILS	DD-1 TO DD-14	
35	KEY PLAN	KEY-1	
36-125	GENERAL PLANS	GNP-1 TO GNP-90	

REVISIONS						TITLE OF PROJECT	CONTRACT NUMBER:
DATE	DESCRIPTION	BY	SYM.			ROADSIDE SAFETY IMPROVEMENTS	TAB 25-15
						LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE:
						TITLE OF DRAWING INDEX & ABBREVIATIONS	05/09/2025
							DRAWING NUMBER:
							INDEX

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Plotted: 5/8/2025 8:24:35 AM  
DESIGNED BY: J. JOHNS  
CHECKED BY: J. JOHNS  
DRAFTED BY: S. ROWEISER  
CHECKED BY: S. ROWEISER  
DESIGNED BY: B. WALKER  
CHECKED BY: B. WALKER  
DESIGN SUPERVISOR: J. HOFMANN

ALIGNMENT			LANDSCAPE			ROADWAY			TRAFFIC WORK ZONE		
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		LAWL	AREA, WATERS EDGE		RGC	GUIDE RAIL, CABLE	UTILITIES		
	BSHT	SHEET PILING		LCUT_P	CUT LIMIT		RGCB	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		LWH	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				RRPS	RAIL, PHOTO, SMALL SCALE		UESS	ELECTRIC, SUBSTATIONS
	DDS_P	DITCH, STONE LINED		MDL	DEED LINE		RRS	RUMBLE STRIP		UF0	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		RRSS	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		MF_P	FEE ACQUISITION, W/ ACCESS		SSO	STRUCTURE, OVERHEAD		UIC	INFORM CABLE, UNDERGROUND
	EDMC	DAM, COFFER		MFA_P	FEE ACQUISITION, APPROXIMATE		SSOC	STRUCTURE, OVHD, CANTILEVER		UICH	INFORM CABLE, HANGING
	EDMEC_P	DAM, EARTHEN CHECK		MFS_P	FEE ACQUISITION, SHAPE	STRIPING				UO	OIL LINE, UNDERGROUND
	EDMGSC_P	DAM, GRAVEL BAG/SAND BAG CHECK		MFWOA_P	FEE ACQUISITION, W/O ACCESS		STB*	BROKEN LINE		UOH	OIL LINE, HANGING
	EDMPC_P	DAM, PREFABRICATED CHECK		MHA	HISTORICAL, ACQUISITION		STDB*	DOUBLE BROKEN LINE		UPBP	POLE, BRACE, PUSH BRACE
	EDMSC_P	DAM, STONE CHECK		MHB	HIGHWAY BOUNDARY		STDL*	DOTTED LINE LONG		UPGW	POLE, GUY WIRE
	EFNS	FENCE, SILT		MHBA	HIGHWAY BOUNDARY, APPROX.		STDS*	DOTTED LINE SHORT		USA	SANITARY SEWER, UNDERGROUND
	EFNSV	FENCE, SILT & VEGETATION		MHBW	HWY BOUNDARY, FACE OF WALL		STFB*	FULL BARRIER LINE		USAH	SANITARY SEWER, HANGING
	EFNV	FENCE, VEGETATION		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STPB*	PARTIAL BARRIER LINE		USAF	SANITARY SEWER, FORCE MAIN, UGND
	EWAA_P	WETLAND, ADJACENT AREA		MJC	JURISDICTION, CITY		STRCT	ROUNDABOUT, CAT TRACKS		USAFH	SANITARY SEWER, FORCE MAIN, HANG
	EWL	WETLAND, FEDERAL		MJCY	JURISDICTION, COUNTY		STRYL	ROUNDABOUT, YIELD LINE		UT	TELEPHONE, UNDERGROUND
	EWFS	WETLAND, FEDERAL AND STATE		MJHD	JURISDICTION, HISTORIC DISTRICT		STSB	STOP BAR		UTH	TELEPHONE, HANGING
	EWM	WETLAND, MITIGATION AREA		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STSE*	SOLID, EDGE		UTO	TELEPHONE, OVERHEAD
	EWS	WETLAND, STATE		MJN	JURISDICTION, NATION		STXL	X WALK, LADDER LINE		UTV	CABLE TV, UNDERGROUND
				MJPB	JURISDICTION, PUBLIC LANDS		STXLB	X WALK, LADDER BAR LINE		UTVH	CABLE TV, HANGING
				MJS	JURISDICTION, STATE	* = W (WHITE) OR Y (YELLOW)				UTVO	CABLE TV, OVERHEAD
				MJT	JURISDICTION, TOWN	TRAFFIC CONTROL				UUU	UNKNOWN, UNDERGROUND
				MJV	JURISDICTION, VILLAGE		TCSW	SIGNAL, SPAN WIRE		UUH	UNKNOWN, HANGING
				MPL	PROPERTY LOT LINE					UO	UNKNOWN, OVERHEAD
				MPLA	PROPERTY LOT LINE, APPROXIMATE					UW	WATER LINE, UNDERGROUND
				MSL	SUB LOT LINE					UWH	WATER LINE, HANGING
										UWO	WATER LINE, OVERHEAD

REVISIONS						TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
DATE	DESCRIPTION	BY	SYM.				
						LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
						TITLE OF DRAWING LEGEND - LINE SYMBOLOGY	DRAWING NUMBER: LEG-1

Plotted By: sromeliser  
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DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

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			
	ADPI.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" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U		ICNTLCAB	CONTROLLER CABINET		MEPP.P	EASEMENT, PERM., BACK LINE		SRSC4	SHLD, CTY, 4 DIG.		UGP	GAS/FUEL PUMP			
	AEVT	EVENT STATION	ENVIRONMENTAL				ICPB	COMMUNICATION PULL BOX		MEPSP.P	EASEMENT, PERM., SHAPE		SRSCT2	SHLD, CTY TOUR, 1-2 DIG.		UGV	GAS, VALVE			
	APC	POINT OF CURVATURE					ICTD	CONDUIT TURNING DOWN		MFAP.P	FEE ACQUISITION, APPROX.		SRSCT4	SHLD, CTY TOUR, 3-4 DIG.		UGVT	GAS, VENT			
	APCC	POINT OF COMPOUND CURVATURE		ICTU	CONDUIT TURNING UP		MFP.P	FEE ACQUISITION, BACK LINE		MFSP.P	FEE ACQUISITION, SHAPE		SRSI	SHLD, INTERSTATE		ULP	LIGHTING, POLE			
	API	POINT OF INTERSECTION		ICVTRT	COMM. VEH. ROAD TRANSCEIVER		MHBP	HIGHWAY BNDRY., APPROX.		SRSN2	SHLD, NATIONAL, 2 DIG.		ULPM	LIGHTING, POLE, MEDIAN		ULPP	LIGHTING, POLE, PED.			
	APOB	POINT OF BEGINNING		IDEFAULT	DEFAULT		MHBCP	HISTORICAL, BLDG. CORNERS		SRSS2	SHLD, STATE, 2 DIG.		UMFC	MISC. FILLER CAP		UOLM	OIL, LINE MARKER			
	APOC	POINT OF CURVATURE		IEZR	E-ZPASS READER		MHBP	HIGHWAY BNDRY, PT.		SRSS3	SHLD, STATE, 3 DIG.		UP	POLE, WITH UTILITY		UPD	POLE, DEAD (NO UTILITY)			
	APOE	POINT OF END		IEZTR	TRANSMITTAL READER		MPBC	PT., BUILDING CORNER		SRS4	SHLD, STATE, 4 DIG.	TRAFFIC CONTROL				UPL	POLE, WITH LIGHT			
	APOL	POINT ON LINE		IFOXCAB	FIBER OPTIC X-CONNECT CABINET		MPCC	PT., CROSS CUT		TCBJ	BOX, JUNCTION					USMH	SANITARY SEWER MANHOLE			
	APOS	POINT ON SPIRAL		IFUSSPL	FUSION SPLICE		MPDH	PT., DRILL HOLE		TCBP	BOX, PULL BOX		UTB	TELEPHONE, BOOTH		UTLM	TELEPHONE, LINE MARKER			
	APOT	POINT ON TANGENT		IHARADV	HAR ADVISORY SIGN		TCBS	BOX, SPLICE		MPIP	PT., IRON PIPE		UTCM	MICROCOMPUTER CABINET		UTMH	TELEPHONE, MANHOLE			
	APOVC	POINT ON VERTICAL CURVE		IHARST	HAR SITE		TCPP	PED POLE		MPIR	PT., IRON ROD		UTCSH	SIGNAL HEADS		UTVLM	CABLE TV, LINE MARKER			
	APOVT	POINT ON VERTICAL TANGENT		ILC	LOAD CENTER		TCSH	SIGNAL HEADS		MPMM	PT., MONUMENT, MISC.		TCSP	SIGNAL POLE		UTVPB	CABLE TV, PULL BOX			
	APORC	POINT ON REVERSE CURVE		IMECSPL	MECHANICAL SPLICE		UUB	UNKNOWN, BOX		MPN	PT., NAIL	TRAFFIC WORK ZONE				UUJB	UNKNOWN, JUNCTION BOX			
	APT	POINT OF TANGENCY		IMSCS	PORT. SPEED & COUNT SENSOR		MPRS	PT., RAILROAD SPIKE		MPST	PT., SPIKE					UUMH	UNKNOWN, MANHOLE			
	APVC	POINT OF VERTICAL CURVATURE		IMSCTS	MICRO SPEED & COUNT SENSOR		MPSP	PT., SPIKE		MPTW	PT., TREE W/ WIRE		UUPB	UNKNOWN, PULL BOX		UUVL	UNKNOWN, VALVE			
	APVCC	POINT OF VERT. CMPND CURVE		IMT	MICROWAVE TRANSCEIVER		MPWL	PT., WALL LOCATION	ROW ACQUISITION				UUVT	UNKNOWN, VENT		UUW	UNKNOWN, WELL			
	APVI	POINT OF VERT. INTERSECTION		IOVHVS	PERM. OVERHEAD VMS		MFS.P.T	FEE ACQUISITION					TWZAP.P	ARROW PANEL		UWFH	WATER, FIRE HYDRANT			
	APVRC	POINT OF VERT. REVERSE CURVE		IPASCS	PORT. ACCOU. SPD & CNT. SENSOR		MEPS.P.T	EASEMENT, PERMANENT		TWZAPT.P	ARROW PANEL, TRAILER OR SUPPORT		UWM	WATER, METER		UWMH	WATER, MANHOLE			
	APVT	POINT OF VERTICAL TANGENCY	LANDSCAPE				METS.P.T	EASEMENT, TEMPORARY		TWZBCD.P	BARRICADE (TYPE III)		UWV	WATER, VALVE		UWW	WATER, WELL			
	ASC	SPIRAL TO CURVE					METS.P.T	OCCUPANCY, TEMPORARY		TWZCMS.P	CHANGEABLE MESSAGE SIGN (PVMS)		TWZFLG.P	FLAGGER						
	ASPI	SPIRAL POINT OF INTERSECTION		MFS.P.T	FEE ACQUISITION W/O ACCESS		TWZFT.P	FLAG TREE		TWZIA.P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)									
	ASTS	SPIRAL TO SPIRAL		MFS.P.T	FEE ACQUISITION		TWZLUM.P	LUMINAIRE (TEMPORARY)		TWZSDT.P	SYMBOL, DIRECTION OF TRAFFIC									
	AST	SPIRAL TO TANGENT		MFS.P.T	FEE ACQUISITION		TWZSDTD.P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR		TWZSGN.P	SIGN (TEMPORARY)									
	ATS	TANGENT TO SPIRAL		MFS.P.T	FEE ACQUISITION		TWZSIG.P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)		TWZWL.P	WARNING LIGHT									
	AVEVT	VERTICAL EVENT POINT		MFS.P.T	FEE ACQUISITION		TWZWV.P	WORK VEHICLE		TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR									
	AVHIGH	VERTICAL HIGH POINT		MFS.P.T	FEE ACQUISITION	ROADWAY														
	AVLOW	VERTICAL LOW POINT		MFS.P.T	FEE ACQUISITION															
BRIDGE				RES P	ELEVATION, SPOT		RGA	GUIDE RAIL, ANCHOR		RGP	GUIDE POST, SINGLE									
				BSC	BRIDGE, SCUPPER		RGA	GUIDE RAIL, ANCHOR		RGP	GUIDE POST, SINGLE									
CONTROL			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.			REVISIONS			DATEDESCRIPTIONBYSYM.						TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS LOCATION OF PROJECT BUFFALO DIVISION			CONTRACT TAB DATE:		

REVISIONS						TITLE OF PROJECT	CONTRACT NUMBER:
DATE	DESCRIPTION	BY	SYM.			ROADSIDE SAFETY IMPROVEMENTS	TAB 25-15
						LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
						TITLE OF DRAWING LEGEND - POINT SYMBOLOGY	DRAWING NUMBER: LEG-2

Plotted By: smriseer  
 Design File: 090520258-PF5501\$shared\projects\192810473\transportation\design\drawingPhase 2\plans\PHUD0214811-03\_cph\_pmd\_PHUD01.dgn  
 Plotted: 5/8/2025 6:24:36 AM

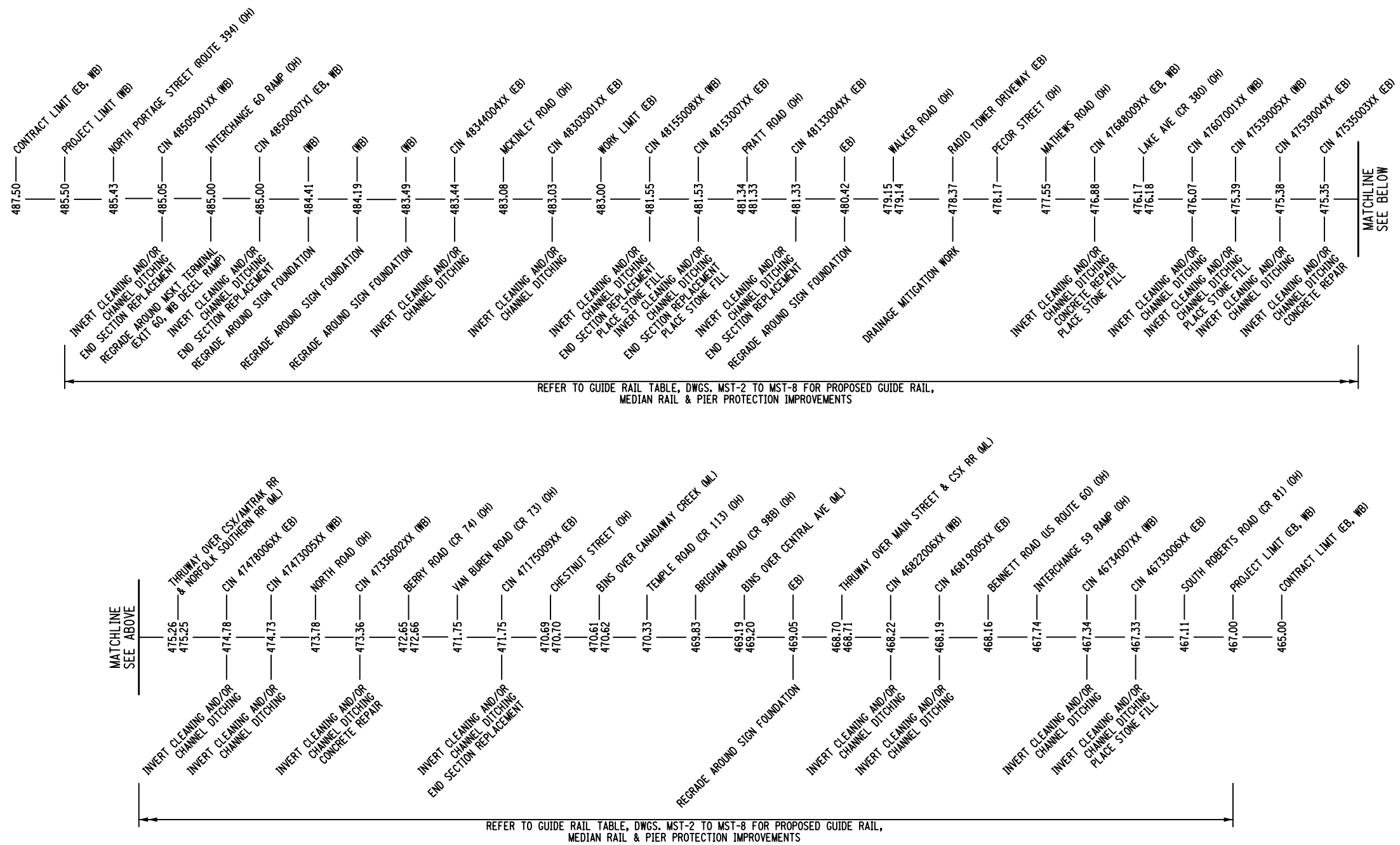
CHECKED BY: B. WALKER


**DRAFTED BY: S. ROMEISER**

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER



DESIGN SUPERVISOR: J. HOFMANN



ALTERED ON:	AFFIXED ON: 05/09/2025
	

NOTES:

1. ALL MILEPOSTS ARE APPROXIMATE. EXACT LIMITS SHALL BE A.O.B.E..
2. (OH) = OVERHEAD BRIDGE, (ML) = MAINLINE, (EB) = EASTBOUND, (WB) = WESTBOUND.

<p>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 ARCHITECT, 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.</p>	<p style="text-align: center;"><b>REVISIONS</b></p>				 	<p><b>TITLE OF PROJECT</b> ROADSIDE SAFETY IMPROVEMENTS</p>	<p><b>CONTRACT NUMBER:</b> TAB 25-15</p>
	<p><b>DATE</b></p>	<p><b>DESCRIPTION</b></p>	<p><b>BY</b></p>	<p><b>SYM.</b></p>		<p><b>LOCATION OF PROJECT</b> BUFFALO DIVISION MP 467.00 TO MP 485.50</p>	<p><b>DATE:</b> 05/09/2025</p>
						<p><b>TITLE OF DRAWING</b> PROJECT MILEPOST DIAGRAM</p>	<p><b>DRAWING NUMBER:</b> PMD-1</p>

CHECKED BY: T. MASI

DRAFTED BY: D. HOLLNER

CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR:

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
	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)
	TA 603-01	Culvert Extension Details
	TA 605-01	Underdrain Details
	TA 606-01	Modified Thrie Beam (Mod.) Guiderail (Dwg. GR-1)
	TA 606-02	Vacant
X	TA 606-03	Corrugated Median Barrier to Corrugated Beam Guide Railing Transition Detail D (Dwg. GR-4)
X	TA 606-04	Box Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-5)
X	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
	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
	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
X	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
	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)
	TA 619-31	Albany Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	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)
X	TA 619-35	Buffalo Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
X	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)
	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	10 ft 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>

Highway Work Type

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

MILEPOST FROM:		WB 485.50	EB 483.00				
TO:		WB 467.00	EB 467.00				
PROJECT TYPE	X	X	X	X	X	X	X
1R Resurfacing							
2R Resurfacing							
3R Rehabilitation							
Reconstruction							
Safety Improvements	X	X					
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							
Fendor 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>

REVISIONS					TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
DATE	DESCRIPTION	BY	SYM.			
					LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
					TITLE OF DRAWING NYSTA STANDARD SHEETS LISTING AND WORK TYPE TABLES	DRAWING NUMBER: SS-1

Plotted By: sromeliser  
Design File: 04US0258-PFF 5501.dgn  
Plot Date: 5/8/2025  
26plans&CMM0214811-03\_cph-gm-gnn-1.dgn  
26plans&CMM0214811-03\_cph-gm-gnn-1.dgn

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

GENERAL NOTES:

- MATERIAL AND CONSTRUCTION SPECIFICATIONS NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (U.S. CUSTOMARY) DATED AS SHOWN ON THE FRONT COVER OF THE PROPOSAL, EXCEPT AS MODIFIED IN THESE PLANS AND THE PROPOSAL.
- THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE ITS WORK WITH OTHER CONTRACTORS AND AUTHORITY MAINTENANCE FORCES, AND SHALL SCHEDULE ITS OPERATIONS SO AS TO CAUSE MINIMUM DISRUPTION TO TRAFFIC.
- NO EMBANKMENT AREAS FOR SURPLUS MATERIALS ARE AVAILABLE FOR THIS CONTRACT WITHIN THE AUTHORITY'S RIGHT OF WAY. THEREFORE, ALL MATERIAL TO BE REMOVED FROM THE JOB SITE SHALL BE DISPOSED OF BY THE CONTRACTOR OFF THE AUTHORITY'S PROPERTY. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE REGULATIONS THAT APPLY TO THE AREA CHOSEN FOR THE DISPOSAL OF THIS MATERIAL. ALL COST ASSOCIATED WITH THE SPOIL AREA AND REMOVAL OF SPOIL MATERIAL SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE FOLLOWING THRUWAY AUTHORITY PROJECT:
  - TAB 24-17 / D214971, MP 465.81 - MP 467.00 WB / MP 467.00 - MP 462.56 EB - PAVEMENT REPAIRS (SPRING 2024 - FALL 2025)
  - TAB 24-13 / D214968, MP 467.00 - MP 485.50 WB / MP 467.00 - MP 483.00 EB - PAVEMENT REHABILITATION (SPRING 2024 - JUNE 2025)

RECONSTRUCTION NOTES:

- 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 ENGINEER. 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.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF CONSTRUCTION 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 WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- 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 ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL CONDUCT HIS/HER REMOVAL OPERATIONS TO THE SATISFACTION OF THE ENGINEER SO AS NOT TO UNDULY DISTURB UNDERLYING MATERIALS WHICH ARE TO REMAIN IN PLACE.

MISCELLANEOUS NOTES:

- THE CONTRACTOR IS ADVISED THAT ADDITIONAL "NOTES" WILL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTRACT PROPOSAL AND SUCH "NOTES", WHILE PERTAINING TO THE SPECIFIC SHEETS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
- PRIVATE VEHICLES OWNED BY THE CONTRACTOR OR THE CONTRACTOR'S WORKERS SHALL BE PARKED, DURING WORKING AND NON-WORKING HOURS, OUTSIDE THE WORK ZONE AND OFF THE TRAVELED WAY.

EROSION AND SEDIMENT CONTROL NOTES:

- CONTRACTOR SHALL CLEAN SEDIMENT AND DEBRIS OFF ALL PAVED SURFACES AT THE END OF EACH DAY AS DIRECTED BY THE ENGINEER. COST OF CLEANING SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.
- THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE ENGINEER A WRITTEN PROPOSED MEASURES FOR TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL WORK AND SCHEDULE OF OPERATIONS AS REQUIRED BY SECTION 209 OF THE NYS DOT STANDARD SPECIFICATIONS.
- 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 SPECIFICATION. THE COST OF INSTALLING, CLEANING AND REMOVING TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE PAID FOR UNDER THE ITEMS SHOWN.
- ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT CONTAMINATION OF ANY STREAM OR WATERWAY BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE OR SLURRY LEACHATE OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION AND CONSTRUCTION PROCEDURES.
- ALL CONTROLS SHALL BE PLACED PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL EROSION CONTROL MEASURES THAT MAY BE REQUIRED OR AS ORDERED BY THE ENGINEER.
- CONTRACTOR STAGING AREAS SHALL BE EXISTING AREAS OF NON-DISTURBABLE COVER (I.E. ASPHALT MILLING, ASPHALT OR CONCRETE PAVEMENT). IF THE CONTRACTOR CREATES A STAGING AREA ON DISTURBABLE COVER (I.E. GRASS) THEN THE ENTIRE AREA SHALL BE ENCLOSED WITH SILT FENCE.
- CONTRACTOR SHALL ESTABLISH A STABILIZED CONSTRUCTION ENTRANCE INTO AND OUT OF EACH WORK AREA AND EACH STAGING AREA CONSTRUCTED ON DURABLE COVER.
- THE ALLOWABLE DISTURBANCE AREA IS 1.0 ACRE; THE CONTRACTOR IS RESPONSIBLE FOR APPLICABLE PERMITS IF ACREAGE OVER 1.0 ACRE IS EXCEEDED, AT NO COST TO THE AUTHORITY.
- ALL STREAM WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE USACE TRANSPORTATION REGIONAL GENERAL PERMIT (TRGP-1), PREPARED BY THE NYS THRUWAY AUTHORITY. THE CONTRACTOR SHALL COMPLY WITH ALL GENERAL CONDITIONS OF THE PERMIT, AS DETAILED IN THE PROPOSAL.

ALTERED ON:	AFFIXED ON: 05/09/2025

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.

UTILITY NOTES:

- LOCATIONS OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED AS EXISTING AND/OR TO BE CONSTRUCTED AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THEIR EXACT LOCATION SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT HIS OPERATIONS AND TAKE THE NECESSARY PRECAUTIONS TO PREVENT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION.
- IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN SAID SERVICE, HE/SHE SHALL IMMEDIATELY STOP WORK AND RESTORE SERVICE AND MAY NOT COMMENCE HIS WORK OPERATION UNTIL SERVICE IS RESTORED.
- 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 ENGINEER.
- THE AUTHORITY'S FIBER OPTIC INFRASTRUCTURE RUNS ALONG THE RIGHT SIDE OF THE WESTBOUND LANES.
- THE AUTHORITY'S FIBER OPTIC INFRASTRUCTURE IS LOCATED WITHIN THE ENTIRE WORK LIMITS OF THIS PROJECT, THE CONTRACTOR IS ADVISED TO CONTACT UDIG NY AT 811 OR 1-800-962-7962, PRIOR TO ANY EXCAVATION.
- WARNING - EXISTING UNDERGROUND UTILITIES MAY BE LOCATED WITHIN THE WORK LIMITS AND MAY BE ENCOUNTERED DURING CONSTRUCTION. EXTREME CARE SHOULD BE EXERCISED TO AVOID DAMAGE TO THESE FACILITIES. ANY DAMAGE SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER AND TO THE OWNER TO THE UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPAIRS. IN ACCORDANCE WITH 16NYCRR, PART 753, "PROTECTION OF UNDERGROUND FACILITIES", UDIG NY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION AT 1-800-962-7962 OR 811. THRUWAY AUTHORITY UTILITIES WILL BE LOCATED BY THRUWAY STAFF.

WORK TO BE DONE:

THE FOLLOWING IS A GENERAL DESCRIPTION OF THE WORK TO BE DONE UNDER THIS CONTRACT, THIS LIST IS INTENDED TO GIVE THE CONTRACTOR A GENERAL DESCRIPTION OF THE WORK INVOLVED IN THIS CONTRACT AND IS NOT A COMPLETE LISTING OF ALL WORK TO BE DONE. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS EVEN THOUGH NOT SPECIFICALLY MENTIONED IN THIS LIST.

- PROVIDE BASIC WORK ZONE TRAFFIC CONTROL ACCORDING TO THE CONTRACT DOCUMENTS AND AS ORDERED BY THE ENGINEER.
- PERFORM THE WORK ACCORDING TO THE CONTRACT DOCUMENTS.
- PERFORM MISCELLANEOUS WORK AS ORDERED BY THE ENGINEER.
- CLEAN AND RESTORE ALL DISTURBED AREAS.
- SAFETY WORK:

PROVIDE GUIDE RAIL IMPROVEMENTS:

- PROVIDE MEDIAN PIER PROTECTION AT TWENTY-TWO (22) LOCATIONS;
- RESET, REMOVE & DISPOSE, PROVIDE NEW GUIDE RAIL, TRANSITIONS AND END TERMINALS PER THE GUIDE RAIL TABLE, DWGS. MST-2 TO MST-8

SECTIONS OF GUIDE RAIL ARE TO BE REPLACED IMMEDIATELY FOLLOWING ALTERATION OR REMOVAL:

- ALL PIER PROTECTION, LEFT (MEDIAN) AND RIGHT SIDES
- GUIDE RAIL REPLACEMENT ON THE RAMPS AT INTERCHANGES 59 (MP 467.74) AND 60 (MP 485.00)
- ALL MAINLINE BRIDGE APPROACH GUIDE RAIL

ALL OTHER GUIDE RAIL SHALL BE REPLACED OR THE LOCATION PROTECTED WITHIN FOURTEEN (14) CALEDAR DAYS PER STANDARD SPECIFICATION 619.3.02.3.

6. DRAINAGE WORK:

- CIN 46733006XX - HYDE CREEK - EB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, CLEANING CULVERT, INFILL SCOUR, PLACE STONE FILLING, CONCRETE REPAIR
- CIN 46734007XX - HYDE CREEK - WB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, CLEANING CULVERT, INFILL SCOUR
- CIN 46819005XX - DITCH - EB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, CLEANING CULVERT
- CIN 46822006XX - DITCH - WB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, CLEANING CULVERT
- CIN 47175009XX - DITCH - EB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, RESET STONE FILLING, END SECTION REPLACEMENT
- CIN 47336002XX - UNNAMED STREAM - WB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, CONCRETE REPAIRS
- CIN 47473005XX - UNNAMED STREAM - WB LEFT SIDE - GRADING, CLEANING & RESHAPING DITCH, RESET STONE FILLING
- CIN 47478006XX - UNNAMED STREAM - EB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, RESET STONE FILLING
- CIN 47535003XX - SWEDE CREEK - EB RIGHT SIDE - CONCRETE REPAIR
- CIN 47538004XX - SWEDE CREEK - EB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH
- CIN 47539005XX - SWEDE CREEK - WB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, PLACE STONE FILLING
- CIN 47607001XX - DITCH - WB LEFT SIDE - GRADING, CLEANING & RESHAPING DITCH, RESET STONE FILLING
- CIN 47688009XX - SLIPPERY ROCK CREEK TRIBUTARY - EB & WB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, INFILL SCOUR, PLACE STONE FILLING, CONCRETE REPAIR, RESET STONE FILLING
- CIN 48133004XX - DITCH - EB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, CLEANING CULVERT, END SECTION REPLACEMENT
- CIN 48153007XX - UNNAMED STREAM - EB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, INFILL SCOUR, PLACE STONE FILLING, END SECTION REPLACEMENT
- CIN 48155008XX - UNNAMED STREAM - WB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, CLEANING CULVERT, PLACE STONE FILLING, END SECTION REPLACEMENTS
- CIN 48303001XX - BOURNES CREEK - EB RIGHT SIDE - GRADING, CLEANING & RESHAPING DITCH, CLEANING CULVERT, RESET STONE FILLING
- CIN 48344004XX - UNNAMED CREEK - EB LEFT & RIGHT SIDES - GRADING, CLEANING & RESHAPING DITCH, CLEANING CULVERT, END SECTION REPLACEMENT
- CIN 48500007XI - DITCH - EXIT 60 RAMP E LEFT & RIGHT SIDE - GRADING, CLEANING & RESHAPING DITCH, END SECTION REPLACEMENT
- CIN 48505001XX - DITCH - EXIT 60 WB RAMP A RIGHT SIDE - GRADING, CLEANING & RESHAPING DITCH, CLEANING CULVERT, END SECTION REPLACEMENT

7. SIGNAGE:

- MP 484.41 WB RIGHT SIDE - PROVIDE MINOR GRADING
- MP 484.19 WB RIGHT SIDE - PROVIDE MINOR GRADING
- MP 483.49 WB RIGHT SIDE - PROVIDE MINOR GRADING
- MP 480.42 EB RIGHT SIDE - PROVIDE MINOR GRADING
- MP 469.05 EB RIGHT SIDE - PROVIDE MINOR GRADING

8. TREE MAINTENANCE:

- TREES SHALL BE REMOVED AS SHOWN ON TREE REMOVAL TABLE, DWG. MST-9.

9. UTILITIES:

- PROVIDE UTILITY COORDINATION AS NECESSARY.

REVISIONS					TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
DATE	DESCRIPTION	BY	SYM.			
					LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
					TITLE OF DRAWING GENERAL NOTES	DRAWING NUMBER: GNN-1



Plotted By: sromeliser  
Design File: 04US0258-PFF 5501denorred.projects\1928104734transportation\design\drawingPhase 2\plans\MS1002.dgn  
Ported: 5/8/2025  
CHECKED BY: J. JOHNS  
DESIGNED BY: B. WALKER  
DRAFTED BY: S. ROWEISER  
CHECKED BY: B. WALKER  
DESIGN SUPERVISOR: J. HOFMANN

TABLE OF GUIDE RAIL AND MEDIAN BARRIER																																		
	START		END		DIRECTION	APPROX. MILEPOST TO MILEPOST	LENGTH OF PROPOSED WORK																											DESCRIPTION OF WORK
RUN #	GNP	SIDE	GNP	SIDE				606.10	606.120101	606.1203	606.18	606.22	606.27	606.2701	606.2703	606.3042	606.53	606.54	606.58	606.59100125	606.59200125	606.71	606.7101	606.73	606.7910	606.7911	606.7920	606.7921	606.81030025	606.8803	606.8901	606.8902	606.8903	
								LF	EA	EA	LF	EA	EA	LF	EA	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA		
3	GNP-9	RT	GNP-10	RT	WB	483.68 TO 483.86	957.2	900.0	1.0	1.0											896.3				1	1							REMOVE BBGR ENERGY ABSORBING TERMINAL, BBGR AND TURNED DOWN END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY, BBGR AND TURNED DOWN END TERMINAL	
7	GNP-14	RT	GNP-14	RT	EB	482.82 TO 482.82	50.0			1.0																1							REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
8	GNP-15	RT	GNP-15	RT	WB	482.58 TO 482.59	50.0			1.0																1							REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
9	GNP-17	RT	GNP-17	RT	EB	482.03 TO 483.04	50.0			1.0																1							REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
10	GNP-18	RT	GNP-18	RT	WB	481.92 TO 481.92	50.0			1.0																1							REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
12	GNP-22	RT	GNP-22	RT	EB	481.02 TO 481.03	50.0						50.0								50.0												REMOVE HPBO. INSTALL HPBO (MOD.)	
15	GNP-23	RT	GNP-23	RT	WB	480.86 TO 480.98	615.2	558.0	1.0	1.0											554.0				1	1							REMOVE BBGR ENERGY ABSORBING TERMINAL, BBGR AND TURNED DOWN END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY, BBGR AND TURNED DOWN END TERMINAL	
17	GNP-25	RT	GNP-25	RT	WB	480.46 TO 480.47	50.0			1.0																1							REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
18	GNP-25	RT	GNP-26	RT	WB	480.27 TO 480.35	425.0						400.0	1.0						400.0			1										REMOVE WEAK POST CBGR AND ANCHOR. INSTALL HPBO (MOD.) AND ANCHOR	
20	GNP-28	RT	GNP-28	RT	WB	479.73 TO 479.74	50.0			1.0																1							REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
SHEET 1 SUBTOTAL:								1458.0	2.0	8.0	0.0	0.0	0.0	450.0	1.0	0.0	0.0	0.0	0.0	400.0	50.0	1450.3	1.0	0.0	2.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

- NOTES:
- THE CONTRACTOR SHALL FIELD VERIFY EXISTING GUIDE RAIL JOINTS FOR RESET ITEMS AND ADJUST LENGTHS BASED ON BRIDGE & GUIDE RAIL JOINTS AS NECESSARY.
  - THE CONTRACTOR SHALL PROVIDE SPECIAL FIELD CUT AND DRILLED (NOT BURNED) RAIL SECTIONS AS REQUIRED. ALL NON-STANDARD LENGTHS OF CUT RAIL SHALL BE MORE THAN HALF THE STANDARD LENGTH. IF A SECTION LESS THAN HALF IS REQUIRED, AN ADJACENT SECTION SHALL BE CUT CREATING TWO (2) ADJACENT NON-STANDARD SECTIONS OF SIMILAR SIZE. THE COST OF THIS WORK, INCLUDING FURNISHING AND INSTALLING ANY ADDITIONAL POSTS, BLOCKOUTS, HARDWARE, FIELD CUT, FIELD GALVANIZING, ETC. SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE GUIDE RAIL/MEDIAN RAIL ITEM.
  - SECTIONS OF GUIDE RAIL ARE TO BE REPLACED IMMEDIATELY FOLLOWING ALTERATION OR REMOVAL:  
-ALL PIER PROTECTION, LEFT (MEDIAN) AND RIGHT SIDES  
-GUIDE RAIL REPLACEMENT ON THE RAMPS AT INTERCHANGES 59 (MP 467.74) AND 60 (MP 485.00)
  - ALL OTHER GUIDE RAIL WORK SHALL BE REPLACED WITHIN 14 CALENDAR DAYS OR THE LOCATION PROTECTED PER STANDARD SPECIFICATION 619.3.02.3
  - CONTRACTOR SHALL REFER TO WORK ZONE TRAFFIC CONTROL DRAWINGS FOR ITEM 606.5148 - RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS) REQUIRED BY THE STABILIZED CONSTRUCTION ACCESS ENTRANCES (MP 475.35, MP 475.39).

ALTERED ON:

05/09/2025

ITEM NO.	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.120101	BOX BEAM END PIECE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.18	WEAK-POST CORRUGATED BEAM GUIDE RAILING	LF
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.27	HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING END TERMINAL (ENERGY-ABSORBING)	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.2703	ANCHORAGE UNITS FOR HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	EA
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.54	RESETTING BOX BEAM MEDIAN BARRIER	LF
606.58	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING	LF
606.59100125	RESETTING END TERMINAL FOR HEAVY POST BLOCKED OUT CORRUGATED GUIDE RAIL AND MEDIAN BARRIER	EA
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA

ITEM NO.	DESCRIPTION	UNIT
606.7911	REMOVING AND DISPOSING WEAK AND HEAVY POST CORRUGATED BEAM ENERGY ABSORBING TERMINALS	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.81030025	REMOVING AND DISPOSING GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION)	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8805	TRANSITION BETWEEN BOX BEAM MEDIAN BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER	EA
606.8901	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO BOX BEAM GUIDE RAILING	EA
606.8902	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO WEAK POST CORRUGATED BEAM GUIDE RAILING	EA
606.8903	TRANSITION: HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER	EA
606.9003	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLESLOPE CONCRETE BARRIER (LEFT POCKET)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA

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 ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING MISCELLANEOUS TABLES GUIDE RAIL AND MEDIAN BARRIER TABLE	DRAWING NUMBER: MST-2

Plotted By: **msromiser**  
 Model: **MS0258 - PPF S501 (shored, project#192810473941-transportationdesign)rowingPhase 2 (plans#MST0214811-03\_coh.mst - MST03.dgn**  
 Design File:  
 5/8/2025 8:24:50 AM Plotted:

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN


TABLE OF GUIDE RAIL AND MEDIAN BARRIER																																						
	START		END		DIRECTION	APPROX. MILEPOST TO MILEPOST	LENGTH OF PROPOSED WORK	606.10	606.120101	606.1203	606.18	606.22	606.27	606.2701	606.2703	606.3042	606.53	606.54	606.58	606.59100125	606.59200125	606.71	606.7101	606.73	606.7910	606.7911	606.7920	606.7921	606.81030025	606.8803	606.8901	606.8902	606.8903	606.9003	606.9004	DESCRIPTION OF WORK		
RUN #	GNP	SIDE	GNP	SIDE																																		
BROUGHT FORWARD:								LF	EA	EA	LF	EA	EA	LF	EA	LF	LF	LF	EA	EA	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA			
22	GNP-29	RT	GNP-29	RT	WB	479.52 TO 479.52	50.0			1.0																		1									REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
25	GNP-30	RT	GNP-30	RT	EB	479.40 TO 479.40	50.0			1.0																		1									REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
29	GNP-37	RT	GNP-37	RT	EB	477.99 TO 480.00	50.0			1.0																		1									REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
30	GNP-37	RT	GNP-37	RT	WB	477.79 TO 477.80	50.0			1.0																		1									REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
33	GNP-41	RT	GNP-41	RT	EB	476.96 TO 476.99	125.0												125.0																		RESET HPBO FOR HEIGHT	
34	GNP-43	RT	GNP-43	RT	EB	476.53 TO 476.55	50.0												50.0																		RESET HPBO FOR HEIGHT	
35	GNP-43	RT	GNP-44	RT	WB	476.41 TO 476.71	1612.5							1525.0	1.0							1475.0	50.0			1											REMOVE HPBO, TRANSITION HPBO TO 230 WEAK POST CBGR, WEAK POST CBGR AND ANCHOR. INSTALL HPBO (MOD.) AND ANCHOR.	
38	GNP-47	RT	GNP-47	RT	EB	475.66 TO 475.68	50.0							50.0									50.0														REMOVE HPBO. INSTALL HPBO (MOD.)	
41	GNP-51	RT	GNP-51	RT	WB	474.93 TO 474.93	50.0			1.0																			1									REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.
42	GNP-51	RT	GNP-51	RT	EB	474.86 TO 474.87	50.0			1.0																			1									REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.
45	GNP-51	RT	GNP-52	RT	WB	474.60 TO 474.75	850.0							825.0	1.0							775.0	50.0			1											REMOVE HPBO, WEAK POST CBGR AND ANCHOR. INSTALL HPBO (MOD.) AND ANCHOR	
46	GNP-55	RT	GNP-55	RT	EB	473.99 TO 474.00	50.0			1.0																			1									REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.
47	GNP-56	RT	GNP-56	RT	WB	473.83 TO 473.85	50.0							50.0									50.0														REMOVE HPBO. INSTALL HPBO (MOD.)	
50	GNP-57	RT	GNP-57	RT	EB	473.51 TO 473.52	50.0			1.0																			1									REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.
SHEET 2 SUBTOTAL:								0.0	0.0	8.0	0.0	0.0	0.0	2450.0	2.0	0.0	0.0	175.0	0.0	0.0	2250.0	200.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING GUIDE RAIL JOINTS FOR RESET ITEMS AND ADJUST LENGTHS BASED ON BRIDGE & GUIDE RAIL JOINTS AS NECESSARY.
2. THE CONTRACTOR SHALL PROVIDE SPECIAL FIELD CUT AND DRILLED (NOT BURNED) RAIL SECTIONS AS REQUIRED. ALL NON-STANDARD LENGTHS OF CUT RAIL SHALL BE MORE THAN HALF THE STANDARD LENGTH. IF A SECTION LESS THAN HALF IS REQUIRED, AN ADJACENT SECTION SHALL BE CUT CREATING TWO (2) ADJACENT NON-STANDARD SECTIONS OF SIMILAR SIZE. THE COST OF THIS WORK, INCLUDING FURNISHING AND INSTALLING ANY ADDITIONAL POSTS, BLOCKOUTS, HARDWARE, FIELD CUT, FIELD GALVANIZING, ETC. SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE GUIDE RAIL/MEDIAN RAIL ITEM.
3. SECTIONS OF RAIL ARE TO BE REPLACED IMMEDIATELY FOLLOWING ALTERATION OR REMOVAL:
  - ALL PIER PROTECTION, LEFT (MEDIAN) AND RIGHT SIDES
  - GUIDE RAIL REPLACEMENT ON THE RAMPS AT INTERCHANGES 59 (MP 467.74) AND 60 (MP 485.00)
4. ALL OTHER GUIDE RAIL WORK SHALL BE REPLACED WITHIN 14 CALENDAR DAYS OR THE LOCATION PROTECTED PER STANDARD SPECIFICATION 619.3.02.3
5. CONTRACTOR SHALL REFER TO WORK ZONE TRAFFIC CONTROL DRAWINGS FOR ITEM 606.5148 - RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS) REQUIRED BY THE STABILIZED CONSTRUCTION ACCESS ENTRANCES (MP 475.35, MP 475.39).

ITEM NO.	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.120101	BOX BEAM END PIECE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.18	WEAK-POST CORRUGATED BEAM GUIDE RAILING	LF
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.27	HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING END TERMINAL (ENERGY-ABSORBING)	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.2703	ANCHORAGE UNITS FOR HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	EA
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.54	RESETTING BOX BEAM MEDIAN BARRIER	LF
606.58	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING	LF
606.59100125	RESETTING END TERMINAL FOR HEAVY POST BLOCKED OUT CORRUGATED GUIDE RAIL AND MEDIAN BARRIER	EA
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA

ITEM NO.	DESCRIPTION	UNIT
606.7911	REMOVING AND DISPOSING WEAK AND HEAVY POST CORRUGATED BEAM ENERGY ABSORBING TERMINALS	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.81030025	REMOVING AND DISPOSING GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION)	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8805	TRANSITION BETWEEN BOX BEAM MEDIAN BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER	EA
606.8901	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO BOX BEAM GUIDE RAILING	EA
606.8902	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO WEAK POST CORRUGATED BEAM GUIDE RAILING	EA
606.8903	TRANSITION: HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER	EA
606.9003	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLESLOPE CONCRETE BARRIER (LEFT POCKET)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA

ALTERED ON:	AFFIXED ON: 05/09/2025
	 <p>The seal is circular with the text "STATE OF NEW YORK" at the top and "LICENSED PROFESSIONAL ENGINEER" at the bottom. In the center is the coat of arms of the State of New York, featuring a figure holding a staff with a serpent entwined around it, and a shield with a sun and a river. Below the coat of arms is a banner that reads "EXCELSIOR". The name "BRYCE A. WALKER" is arched above the coat of arms, and the number "079340" is arched below it. There are two stars on either side of the coat of arms. The seal is stamped in black ink on a white background.</p>

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 ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING MISCELLANEOUS TABLES GUIDE RAIL AND MEDIAN BARRIER TABLE	DRAWING NUMBER: MST-3

Plotted By: sromeliser  
Design File: 04US0258-PFF 5501denorad.projects\041928104734transportation\design\drawingPhase 2\plans\MS140214811-03\_cen\_mst\_MST04.dgn  
Plotted: 5/8/2025 8:24:53 AM  
CHECKED BY: J. JOHNS  
DESIGNED BY: B. WALKER  
DRAFTED BY: S. ROWEISER  
CHECKED BY: B. WALKER

TABLE OF GUIDE RAIL AND MEDIAN BARRIER																																					
	START		END		DIRECTION	APPROX. MILEPOST TO MILEPOST	LENGTH OF PROPOSED WORK	606.10	606.120101	606.1203	606.18	606.22	606.27	606.2701	606.2703	606.3042	606.53	606.54	606.58	606.59100125	606.59200125	606.71	606.7101	606.73	606.7910	606.7911	606.7920	606.7921	606.81030025	606.8803	606.8901	606.8902	606.8903	606.9003	606.9004	DESCRIPTION OF WORK	
RUN #	GNP	SIDE	GNP	SIDE				LF	EA	EA	LF	EA	EA	LF	EA	LF	EA	LF	LF	LF	EA	EA	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA		EA
BROUGHT FORWARD:								1458.0	2.0	16.0	0.0	0.0	0.0	2900.0	3.0	0.0	0.0	0.0	175.0	0.0	0.0	2650.0	250.0	1450.3	3.0	0.0	2.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
56	GNP-66	RT	GNP-66	RT	WB	471.55 TO 471.55	50.0			1.0																		1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
57	GNP-68	RT	GNP-68	RT	EB	471.01 TO 471.02	50.0			1.0																		1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
63	GNP-70	RT	GNP-71	RT	WB	470.52 TO 471.60	379.0							375.0								364.5							1		1					REMOVE 230 WEAK POST CBGR AND TRANSITION WEAK POST TO BBGR. INSTALL HPBO (MOD.) AND TRANSITION HPBO (MOD.) TO BBGR.	
67	GNP-76	RT	GNP-76	RT	EB	469.50 TO 469.50	50.0			1.0																		1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
69	GNP-76	RT	GNP-77	RT	WB	469.20 TO 469.34	745.2	738.0	1.0													675.0			1			1								REMOVE TRANSITION BBGR TO 230 WEAK POST CBGR, 230 WEAK POST CBGR AND ANCHOR. INSTALL BBGR AND END PIECE	
71	GNP-78	RT	GNP-78	RT	EB	468.99 TO 468.98	50.0			1.0																		1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
73	GNP-77	RT	GNP-79	RT	WB	468.72 TO 469.17	2350.6	2350.6														2281.6							2							REMOVE TRANSITION BBGR TO WEAK POST CBGR, WEAK POST CBGR AND TRANSITION WEAK POST CBGR TO BBGR. INSTALL BBGR. PROVIDE SPECIAL FIELD CUT & DRILLED RAIL SECTIONS AS REQUIRED (SEE NOTE 2).	
75	GNP-79	RT	GNP-80	RT	EB	468.70 TO 468.49	1105.2										1098.0				1															RESET BBGR AND BBGR TURNED DOWN END TERMINAL FOR HEIGHT	
76	GNP-79	RT	GNP-80	RT	WB	468.46 TO 468.66	1111.5							1025.0								964.5	50.0						1		1					REMOVE HPBO, TRANSITION HPBO TO WEAK POST CBGR, WEAK POST CBGR, AND TRANSITION WEAK POST CBGR TO BBGR. INSTALL HPBO (MOD.) AND TRANSITION HPBO (MOD.) TO BBGR	
78	GNP-81	RT	GNP-82	RT	WB	468.17 TO 468.39	1165.2	1158.0	1.0													1068.2		18.0	1				1							REMOVE BBGR, TRANSITION BBGR TO WEAK POST CBGR, WEAK POST CBGR AND END TERMINAL. INSTALL BBGR AND TURNED DOWN END TERMINAL	
83	GNP-84	RT	GNP-85	RT	WB A RAMP	APPROACH BRIDGE	244.6							244.6								7.1	237.5													REMOVE HPBO AND W-BEAM TO THRIE BEAM TRANSITION. INSTALL HPBO (MOD.) AND TRANSITION HPBO (MOD.) TO THRIE BEAM	
84	GNP-84	RT	GNP-86	RT	WB A RAMP	DEPART BRIDGE	244.6							244.6								7.1	237.5													REMOVE W-BEAM TO THRIE BEAM TRANSITION, AND HPBO. INSTALL TRANSITION THRIE BEAM TO HBPO (MOD.) AND HPBO (MOD.).	
85	GNP-87	RT	GNP-88	RT	WB	467.27 TO 467.49	1225.0				1100.0	1.0		50.0								1100.0	100.0		1						1					REMOVE HPBO, TRANSITION HPBO TO WEAK POST CBGR, WEAK POST CBGR AND ANCHOR. INSTALL HPBO (MOD.), TRANSITION HPBO (MOD.) TO WEAK POST CBGR, WEAK POST CBGR AND ANCHOR.	
87	GNP-88	RT	GNP-88	RT	EB	467.42 TO 467.43	50.0			1.0																			1							REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
SHEET 3 SUBTOTAL:								4246.6	2.0	5.0	1100.0	1.0	0.0	1939.2	0.0	0.0	1098.0	0.0	0.0	0.0	1.0	6468.0	625.0	18.0	3.0	0.0	0.0	5.0	8.0	0.0	2.0	1.0	0.0	0.0	0.0		
RIGHT SIDE TOTAL:								5704.6	4.0	21.0	1100.0	1.0	0.0	4839.2	3.0	0.0	1098.0	0.0	175.0	0.0	1.0	9118.0	875.0	1468.3	6.0	0.0	2.0	21.0	8.0	0.0	2.0	1.0	0.0	0.0	0.0		

NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING GUIDE RAIL JOINTS FOR RESET ITEMS AND ADJUST LENGTHS BASED ON BRIDGE & GUIDE RAIL JOINTS AS NECESSARY.
2. THE CONTRACTOR SHALL PROVIDE SPECIAL FIELD CUT AND DRILLED (NOT BURNED) RAIL SECTIONS AS REQUIRED. ALL NON-STANDARD LENGTHS OF CUT RAIL SHALL BE MORE THAN HALF THE STANDARD LENGTH. IF A SECTION LESS THAN HALF IS REQUIRED, AN ADJACENT SECTION SHALL BE CUT CREATING TWO (2) ADJACENT NON-STANDARD SECTIONS OF SIMILAR SIZE. THE COST OF THIS WORK, INCLUDING FURNISHING AND INSTALLING ANY ADDITIONAL POSTS, BLOCKOUTS, HARDWARE, FIELD CUT, FIELD GALVANIZING, ETC. SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE GUIDE RAIL/MEDIAN RAIL ITEM.
3. SECTIONS OF RAIL ARE TO BE REPLACED IMMEDIATELY FOLLOWING ALTERATION OR REMOVAL:  
-ALL PIER PROTECTION, LEFT (MEDIAN) AND RIGHT SIDES  
-GUIDE RAIL REPLACEMENT ON THE RAMPS AT INTERCHANGES 59 (MP 467.74) AND 60 (MP 485.00)
4. ALL OTHER GUIDE RAIL WORK SHALL BE REPLACED WITHIN 14 CALENDAR DAYS OR THE LOCATION PROTECTED PER STANDARD SPECIFICATION 619.3.02.3
5. CONTRACTOR SHALL REFER TO WORK ZONE TRAFFIC CONTROL DRAWINGS FOR ITEM 606.5148 - RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS) REQUIRED BY THE STABILIZED CONSTRUCTION ACCESS ENTRANCES (MP 475.35, MP 475.39).

ITEM NO.	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.120101	BOX BEAM END PIECE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.18	WEAK-POST CORRUGATED BEAM GUIDE RAILING	LF
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.27	HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING END TERMINAL (ENERGY-ABSORBING)	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.2703	ANCHORAGE UNITS FOR HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	EA
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.54	RESETTING BOX BEAM MEDIAN BARRIER	LF
606.58	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING	LF
606.59100125	RESETTING END TERMINAL FOR HEAVY POST BLOCKED OUT CORRUGATED GUIDE RAIL AND MEDIAN BARRIER	EA
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA

ITEM NO.	DESCRIPTION	UNIT
606.7911	REMOVING AND DISPOSING WEAK AND HEAVY POST CORRUGATED BEAM ENERGY ABSORBING TERMINALS	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.81030025	REMOVING AND DISPOSING GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION)	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8805	TRANSITION BETWEEN BOX BEAM MEDIAN BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER	EA
606.8901	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO BOX BEAM GUIDE RAILING	EA
606.8902	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO WEAK POST CORRUGATED BEAM GUIDE RAILING	EA
606.8903	TRANSITION: HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER	EA
606.9003	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLESLOPE CONCRETE BARRIER (LEFT POCKET)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA

ALTERED ON:

AFFIXED ON:  
05/09/2025

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 ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING MISCELLANEOUS TABLES GUIDE RAIL AND MEDIAN BARRIER TABLE	DRAWING NUMBER: MST-4

Plotted By: sromeliser  
Design File: 04US0258-PFF 5501denarored,projectset1928104734transportationdesignanddrawingPhase 2plansMST0214811-03\_cen\_met\_MST05.dgn  
Portred: 8/24/2025 8:24:57 AM

CHECKED BY: B. WALKER

DRAFTED BY: S. ROWEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

TABLE OF GUIDE RAIL AND MEDIAN BARRIER

	START		END		DIRECTION	APPROX. MILEPOST TO MILEPOST	LENGTH OF PROPOSED WORK																							DESCRIPTION OF WORK						
RUN #	GNP	SIDE	GNP	SIDE				606.10	606.120101	606.1203	606.18	606.22	606.27	606.2701	606.2703	606.3042	606.53	606.54	606.58	606.59100125	606.59200125	606.71	606.7101	606.73	606.7910	606.7911	606.7920	606.7921	606.81030025		606.8803	606.8901	606.8902	606.8903	606.9003	606.9004
							LF	EA	EA	LF	EA	EA	LF	EA	LF	LF	LF	EA	EA	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA				
1	GNP-1	LT	GNP-1	LT	WB	485.39 TO 485.50	886.0			1.0					100.0	594.0						221.0				1		2				1	1	REMOVE BBGR ENERGY ABSORBING END TERMINAL AND BBGR. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY, TRANSITION FROM BBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, SINGLE SLOPE CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE CONCRETE BARRIER TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO BBGR. RESET BBGR		
2	GNP-3	LT	GNP-3	LT	WB	484.98 TO 485.02	264.0			1.0					100.0	36.0						198.0			1	1		1					1	REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY. RESET BBGR. REMOVE BBGR AND END PIECE. INSTALL TRANSITION FROM BBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER		
4	GNP-10	LT	GNP-10	LT	WB	483.70 TO 483.71	50.0			1.0																1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.		
6	GNP-13	LT	GNP-13	LT	WB	483.05 TO 483.09	211.2			1.0					120.0							159.0			1	1		1					1	REMOVE BBGR ENERGY ABSORBING END TERMINAL, BBGR AND END PIECE. INSTALL BBGR ENERGY APSORBING END ASSEMBLY, TRANSITION FROM BBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER		
11	GNP-21	LT	GNP-21	LT	WB	481.25 TO 481.34	475.2						312.5		80.0			1		412.5	50.0		1							1		1	RESET HPBO (MOD.) CBGR END TERMINAL. REMOVE HPBO CBGR, WEAK POST CBGR AND ANCHORAGE UNIT. INSTALL HPBO (MOD.) CBGR AND TRANSITION TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE CONCRETE HALF SECTION BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER			
13	GNP-22	LT	GNP-22	LT	EB	480.92 TO 481.02	50.0						50.0							50.0														REMOVE HPBO. INSTALL HPBO (MOD.)		
14	GNP-23	LT	GNP-23	LT	WB	480.87 TO 480.87	50.0			1.0																1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.		
16	GNP-24	LT	GNP-24	LT	EB	480.56 TO 480.71	790.7			1.0						733.5			1							1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY. RESET BBGR AND BBGR TURNED DOWN END TERMINAL FOR HEIGHT		
19	GNP-27	LT	GNP-27	LT	EB	479.96 TO 479.97	50.0			1.0																1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.		
21	GNP-28	LT	GNP-29	LT	EB	479.55 TO 479.69	765.2	558.0	1.0	1.0						198.0				506.5			1			1	1							REMOVE BBGR ENERGY ABSORBING TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY. RESET BBGR FOR HEIGHT. REMOVE TRANSITION BBGR TO CBGR, 230 WEAK POST CBGR AND CBGR ANCHOR. INSTALL BBGR AND BBGR TURNED DOWN END TERMINAL		
23	GNP-29	LT	GNP-29	LT	WB	479.51 TO 479.51	50.0			1.0																	1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
24	GNP-30	LT	GNP-30	LT	EB	479.29 TO 479.42	702.0			1.0						644.8			1								1								REMOVE BBGR ENERGY ABSORBING TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY. RESET BBGR AND BBGR END PIECE.	
26	GNP-30	LT	GNP-31	LT	EB	479.13 TO 479.25	562.0							400.0		100.0					562.5			1							1	1	1	REMOVE HPBO, WEAK POST CBGR AND ANCHORAGE UNIT. INSTALL HPBO (MOD.) CBGR, TRANSITION TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE CONCRETE HALF SECTION BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER		
27	GNP-36	LT	GNP-36	LT	WB	478.14 TO 478.19	232.0			1.0						120.0							157.0			1	1		1				1	REMOVE BBGR ENERGY ABSORBING TERMINAL, BBGR AND END PIECE. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY, TRANSITION BBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER		
28	GNP-36	LT	GNP-36	LT	EB	478.18 TO 478.22	212.0			1.0						100.0							178.7			1	1		1				1	REMOVE BBGR ENERGY ABSORBING TERMINAL, BBGR AND END PIECE. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY, TRANSITION BBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER		
SHEET 1 SUBTOTAL:								558.0	1.0	12.0	0.0	0.0	0.0	762.5	0.0	720.0	2206.3	0.0	0.0	1.0	2.0	1481.5	100.0	913.7	3.0	0.0	4.0	12.0	1.0	6.0	0.0	0.0	2.0	1.0	7.0	

NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING GUIDE RAIL JOINTS FOR RESET ITEMS AND ADJUST LENGTHS BASED ON BRIDGE & GUIDE RAIL JOINTS AS NECESSARY.
2. THE CONTRACTOR SHALL PROVIDE SPECIAL FIELD CUT AND DRILLED (NOT BURNED) RAIL SECTIONS AS REQUIRED. ALL NON-STANDARD LENGTHS OF CUT RAIL SHALL BE MORE THAN HALF THE STANDARD LENGTH. IF A SECTION LESS THAN HALF IS REQUIRED, AN ADJACENT SECTION SHALL BE CUT CREATING TWO (2) ADJACENT NON-STANDARD SECTIONS OF SIMILAR SIZE. THE COST OF THIS WORK, INCLUDING FURNISHING AND INSTALLING ANY ADDITIONAL POSTS, BLOCKOUTS, HARDWARE, FIELD CUT, FIELD GALVANIZING, ETC. SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE GUIDE RAIL/MEDIAN RAIL ITEM.
3. SECTIONS OF RAIL ARE TO BE REPLACED IMMEDIATELY FOLLOWING ALTERATION OR REMOVAL:  
-ALL PIER PROTECTION, LEFT (MEDIAN) AND RIGHT SIDES  
-GUIDE RAIL REPLACEMENT ON THE RAMPS AT INTERCHANGES 59 (MP 467.74) AND 60 (MP 485.00)
4. ALL OTHER GUIDE RAIL WORK SHALL BE REPLACED WITHIN 14 CALENDAR DAYS OR THE LOCATION PROTECTED PER STANDARD SPECIFICATION 619.3.02.3
5. CONTRACTOR SHALL REFER TO WORK ZONE TRAFFIC CONTROL DRAWINGS FOR ITEM 606.5148 - RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS) REQUIRED BY THE STABILIZED CONSTRUCTION ACCESS ENTRANCES (MP 475.35, MP 475.39).

ALTERED ON:	AFFIXED ON: 05/09/2025

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.

ITEM NO.	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.120101	BOX BEAM END PIECE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.18	WEAK-POST CORRUGATED BEAM GUIDE RAILING	LF
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.27	HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING END TERMINAL (ENERGY-ABSORBING)	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.2703	ANCHORAGE UNITS FOR HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	EA
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.54	RESETTING BOX BEAM MEDIAN BARRIER	LF
606.58	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING	LF
606.59100125	RESETTING END TERMINAL FOR HEAVY POST BLOCKED OUT CORRUGATED GUIDE RAIL AND MEDIAN BARRIER	EA
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

ITEM NO.	DESCRIPTION	UNIT
606.7911	REMOVING AND DISPOSING WEAK AND HEAVY POST CORRUGATED BEAM ENERGY ABSORBING TERMINALS	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.81030025	REMOVING AND DISPOSING GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION)	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8805	TRANSITION BETWEEN BOX BEAM MEDIAN BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER	EA
606.8901	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO BOX BEAM GUIDE RAILING	EA
606.8902	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO WEAK POST CORRUGATED BEAM GUIDE RAILING	EA
606.8903	TRANSITION: HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER	EA
606.9003	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLESLOPE CONCRETE BARRIER (LEFT POCKET)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING MISCELLANEOUS TABLES GUIDE RAIL AND MEDIAN BARRIER TABLE	DRAWING NUMBER: MST-5

Plotted By: sromeliser  
Design File: 04US0258-PFF 5501.dgn  
Ported: 5/8/2025  
Checked By: J. JOHNS  
Design Supervisor: J. HOFMANN  
Designed By: B. WALKER  
Drafted By: S. ROWEISER  
Checked By: B. WALKER

TABLE OF GUIDE RAIL AND MEDIAN BARRIER																																					
	START		END		DIRECTION	APPROX. MILEPOST TO MILEPOST	LENGTH OF PROPOSED WORK	606.10	606.120101	606.1203	606.18	606.22	606.27	606.2701	606.2703	606.3042	606.53	606.54	606.58	606.59100125	606.59200125	606.71	606.7101	606.73	606.7910	606.7911	606.7920	606.7921	606.81030025	606.8803	606.8901	606.8902	606.8903	606.9003	606.9004	DESCRIPTION OF WORK	
RUN #	GNP	SIDE	GNP	SIDE																																	
BROUGHT FORWARD:								LF	EA	EA	LF	EA	EA	LF	EA	LF	LF	LF	LF	EA	EA	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA			
31	GNP-38	LT	GNP-39	LT	EB	477.61 TO 477.62		558.0	1.0	12.0	0.0	0.0	0.0	762.5	0.0	720.0	2206.3	0.0	0.0	1.0	2.0	1481.5	100.0	913.7	3.0	0.0	4.0	12.0	1.0	1.0	6.0	0.0	0.0	2.0	1.0		7.0
32	GNP-39	LT	GNP-39	LT	WB	477.51 TO 477.52	50			1.0																		1.0								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
36	GNP-44	LT	GNP-45	LT	EB	476.28 TO 476.16	484.0			1.0						120.0	252.0							194.6			1	1		1					1	REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY. RESET BBGR. REMOVE BBGR AND END PIECE. INSTALL TRANSITION BBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER	
37	GNP-45	LT	GNP-45	LT	WB	476.10 TO 476.18	422.4			1.0						100.0	216.0							213.0			1	1		1					1	REMOVE BBGR ENERGY ABSORBING TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY. RESET BBGR. REMOVE BBGR AND TURNED DOWN END TERMINAL. INSTALL BBGR TO HALF SECTION SINGLE SLOPE CONCRETE BARRIER, TRANSITION HALF SECTION SINGLE SLOPE CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER.	
39	GNP-48	LT	GNP-48	LT	EB	475.50 TO 475.51	50.0												50.0																RESET HPBO FOR HEIGHT		
40	GNP-50	LT	GNP-50	LT	WB	475.13 TO 475.14	50.0			1.0																		1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
43	GNP-51	LT	GNP-51	LT	EB	474.85 TO 474.86	50.0			1.0																		1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
44	GNP-51	LT	GNP-52	LT	WB	474.66 TO 474.75	450.0							425.0	1.0								375.0	50.0		1										REMOVE HPBO, WEAK POST CBGR AND ANCHOR. INSTALL HPBO (MOD.) AND ANCHOR	
48	GNP-56	LT	GNP-56	LT	EB	473.83 TO 473.79	212.0			1.0						100.0											1	1		1					1	REMOVE BBGR ENERGY ABSORBING END TERMINAL, BBGR AND BBGR END PIECE. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY, TRANSITION FROM BBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, & SINGLE SLOPE CONCRETE BARRIER	
49	GNP-56	LT	GNP-56	LT	WB	473.75 TO 473.79	212.0			1.0						100.0											1	1		1					1	REMOVE BBGR ENERGY ABSORBING TERMINAL, BBGR AND TURNED DOWN END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY, TRANSITION BBGR TO HALF SECTION SINGLE SLOPE CONCRETE BARRIER, TRANSITION HALF SECTIONS INGLE SLOPE CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER.	
51	GNP-57	LT	GNP-57	LT	EB	473.49 TO 473.50	50.0			1.0																			1							REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
52	GNP-61	LT	GNP-61	LT	EB	472.72 TO 472.62	528.0			1.0						100.0	324.0											1	1		1					1	REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY. RESET BBGR. REMOVE BBGR AND BBGR END PIECE. INSTALL TRANSITION FROM BBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, & SINGLE SLOPE CONCRETE BARRIER
53	GNP-61	LT	GNP-62	LT	WB	472.55 TO 472.66	580.8							300.0		100.0			50.0	1			475.0			1							1		1	RESET CBGR ENERGY ABSORBING END TERMINAL AND HPBO (MOD.) CBGR. REMOVE WEAK POST CBGR AND ANCHOR BLOCK. INSTALL HPBO (MOD.) CBGR, TRANSITION HPBO (MOD.) CBGR TO HALF SECTION SINGLE SLOPE CONCRETE BARRIER, TRANSITION HALF SECTION SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER.	
SHEET 2 SUBTOTAL:								0.0	0.0	10.0	0.0	0.0	0.0	725.0	1.0	620.0	792.0	0.0	100.0	1.0	0.0	850.0	50.0	893.6	2.0	0.0	5.0	10.0	0.0	5.0	0.0	0.0	1.0	0.0	6.0		

- NOTES:
1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING GUIDE RAIL JOINTS FOR RESET ITEMS AND ADJUST LENGTHS BASED ON BRIDGE & GUIDE RAIL JOINTS AS NECESSARY.
  2. THE CONTRACTOR SHALL PROVIDE SPECIAL FIELD CUT AND DRILLED (NOT BURNED) RAIL SECTIONS AS REQUIRED. ALL NON-STANDARD LENGTHS OF CUT RAIL SHALL BE MORE THAN HALF THE STANDARD LENGTH. IF A SECTION LESS THAN HALF IS REQUIRED, AN ADJACENT SECTION SHALL BE CUT CREATING TWO (2) ADJACENT NON-STANDARD SECTIONS OF SIMILAR SIZE. THE COST OF THIS WORK, INCLUDING FURNISHING AND INSTALLING ANY ADDITIONAL POSTS, BLOCKOUTS, HARDWARE, FIELD CUT, FIELD GALVANIZING, ETC. SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE GUIDE RAIL/MEDIAN RAIL ITEM.
  3. SECTIONS OF GUIDE RAIL ARE TO BE REPLACED IMMEDIATELY FOLLOWING ALTERATION OR REMOVAL:  
-ALL PIER PROTECTION, LEFT (MEDIAN) AND RIGHT SIDES  
-GUIDE RAIL REPLACEMENT ON THE RAMPS AT INTERCHANGES 59 (MP 467.74) AND 60 (MP 485.00)
  4. ALL OTHER GUIDE RAIL WORK SHALL BE REPLACED WITHIN 14 CALENDAR DAYS OR THE LOCATION PROTECTED PER STANDARD SPECIFICATION 619.3.02.3
  5. CONTRACTOR SHALL REFER TO WORK ZONE TRAFFIC CONTROL DRAWINGS FOR ITEM 606.5148 - RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS) REQUIRED BY THE STABILIZED CONSTRUCTION ACCESS ENTRANCES (MP 475.35, MP 475.39).

ITEM NO.	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.120101	BOX BEAM END PIECE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.18	WEAK-POST CORRUGATED BEAM GUIDE RAILING	LF
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.27	HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING END TERMINAL (ENERGY-ABSORBING)	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.2703	ANCHORAGE UNITS FOR HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	EA
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.54	RESETTING BOX BEAM MEDIAN BARRIER	LF
606.58	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING	LF
606.59100125	RESETTING END TERMINAL FOR HEAVY POST BLOCKED OUT CORRUGATED GUIDE RAIL AND MEDIAN BARRIER	EA
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA

ITEM NO.	DESCRIPTION	UNIT
606.7911	REMOVING AND DISPOSING WEAK AND HEAVY POST CORRUGATED BEAM ENERGY ABSORBING TERMINALS	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.81030025	REMOVING AND DISPOSING GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION)	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8805	TRANSITION BETWEEN BOX BEAM MEDIAN BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER	EA
606.8901	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO BOX BEAM GUIDE RAILING	EA
606.8902	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO WEAK POST CORRUGATED BEAM GUIDE RAILING	EA
606.8903	TRANSITION: HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER	EA
606.9003	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLESLOPE CONCRETE BARRIER (LEFT POCKET)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA

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 ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING MISCELLANEOUS TABLES GUIDE RAIL AND MEDIAN BARRIER TABLE	DRAWING NUMBER: MST-6

Plotted By: sromeliser 09/05/2025 8:25:03 AM  
Design File: 578/2025  
Ported:  
CHECKED BY: J. JOHNS  
DESIGNED BY: B. WALKER  
DRAFTED BY: S. ROWEISER  
CHECKED BY: B. WALKER

TABLE OF GUIDE RAIL AND MEDIAN BARRIER																																					
	START		END		DIRECTION	APPROX. MILEPOST TO MILEPOST	LENGTH OF PROPOSED WORK	606.10	606.120101	606.1203	606.18	606.22	606.27	606.2701	606.2703	606.3042	606.53	606.54	606.58	606.59100125	606.59200125	606.71	606.7101	606.73	606.7910	606.7911	606.7920	606.7921	606.81030025	606.8803	606.8901	606.8902	606.8903	606.9003	606.9004	DESCRIPTION OF WORK	
RUN #	GNP	SIDE	GNP	SIDE																																	
BROUGHT FORWARD:								LF	EA	EA	LF	EA	EA	LF	EA	LF	LF	LF	EA	EA	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA			
54	GNP-65	LT	GNP-65	LT	EB	471.72 TO 471.82	528.0			1.0						120.0	216.0							211.0				1	1		1					1	REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY. RESET BBGR. REMOVE BBGR AND BBGR TURNED DOWN TERMINAL. INSTALL TRANSITION FROM BBGR TO SINGLE SLOPE HALF SECTION CONCRETE CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER
55	GNP-65	LT	GNP-65	LT	WB	471.66 TO 471.75	475.2							187.5					50.0	1		371.0			1								1		1	RESET CBGR ENERGY ABSORBING END TERMINAL AND CBGR. REMOVE WEAK POST CBGR AND ANCHOR BLOCK. INSTALL HPBO (MOD.) CBGR, TRANSITION HPBO (MOD.) CBGR TO HALF SECTION SINGLE SLOPE CONCRETE BARRIER, TRANSITION HALF SECTION SINGLE SLOPE CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER.	
58	GNP-68	LT	GNP-69	LT	EB	471.01 TO 471.02	50.0			1.0																		1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
59	GNP-69	LT	GNP-69	LT	WB	470.84 TO 470.85	50.0						1.0														1									REMOVE SKT-350 ENERGY ABSORBING TERMINAL. INSTALL HPBO (MOD.) ENERGY ABSORBING END TERMINAL	
60	GNP-70	LT	GNP-70	LT	EB	470.77 TO 470.64	748.0			1.0						100.0	474.0							224.0				1		2				1	1	REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY. RESET BBGR. REMOVE BBGR. INSTALL TRANSITION FROM BBGR TO SINGLE SLOPE HALF SECTION CONCRETE CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, SINGLE SLOPE CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE CONCRETE BARRIER TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO BBGR. RESET BBGR. PROVIDE SPECIAL FIELD CUT & DRILLED RAIL SECTIONS AS REQUIRED (SEE NOTE 2)	
61	GNP-70	LT	GNP-70	LT	WB	470.64 TO 470.71	369.6									120.0	198.0							233.0			1			1					1	RESET BBGR. INSTALL TRANSITION BBGR TO HALF SECTION SINGLE SLOPE CONCRETE BARRIER, TRANSITION HALF SECTION SINGLE SLOPE CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER. REMOVE BBGR AND BBGR END TERMINAL	
62	GNP-70	LT	GNP-71	LT	WB	470.52 TO 470.60	422.4							375.0						1		300.0							1		1					RESET HPBO (MOD.) CBGR END TERMINAL REMOVE HPBO, WEAK POST CBGR AND TRANSITION TO BBGR W ANCHOR BLOCK. INSTALL HPBO (MOD.) CBGR AND TRANSITION TO BBGR	
64	GNP-72	LT	GNP-72	LT	WB	470.26 TO 470.35	475.2							162.5		120.0				50.0	1		328.0		1							1		1	RESET CBGR ENERGY ABSORBING TERMINAL AND CBGR. REMOVE WEAK POST CBGR AND ANCHOR BLOCK. INSTALL HPBO (MOD.) CBGR, TRANSITION HPBO (MOD.) CBGR TO HALF SECTION SINGLE SLOPE CONCRETE BARRIER, TRANSITION HALF SECTION SINGLE SLOPE CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER.		
65	GNP-74	LT	GNP-74	LT	WB	469.81 TO 469.85	212.0			1.0						100.0								186.0			1	1		1					1	REMOVE BBGR ENERGY ABSORBING END TERMINAL, BBGR AND END PIECE. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY, TRANSITION FROM BBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER	
66	GNP-74	LT	GNP-74	LT	EB	469.88 TO 469.84	212.0			1.0						100.0								178.0			1	1		1					1	REMOVE BBGR ENERGY ABSORBING END TERMINAL, BBGR AND BBGR END PIECE. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY, TRANSITION FROM BBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, & SINGLE SLOPE CONCRETE BARRIER	
68	GNP-76	LT	GNP-76	LT	EB	469.32 TO 469.32	50.0			1.0																		1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
70	GNP-77	LT	GNP-77	LT	WB	469.12 TO 469.17	276.0	252.0															241.5							1		1				REMOVE WEAK POST CBGR AND TRANS WEAK POST TO BBGR. INSTALL TRANS HPBO (MOD.) TO BBGR AND BBGR	
72	GNP-79	LT	GNP-79	LT	EB	468.83 TO 468.83	50.0			1.0																			1							REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
SHEET 3 SUBTOTAL:								252.0	0.0	7.0	0.0	0.0	1.0	725.0	0.0	660.0	888.0	0.0	100.0	3.0	0.0	1240.5	0.0	1032.0	2.0	1.0	4.0	7.0	2.0	6.0	2.0	0.0	2.0	1.0	7.0		

NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING GUIDE RAIL JOINTS FOR RESET ITEMS AND ADJUST LENGTHS BASED ON BRIDGE & GUIDE RAIL JOINTS AS NECESSARY.
2. THE CONTRACTOR SHALL PROVIDE SPECIAL FIELD CUT AND DRILLED (NOT BURNED) RAIL SECTIONS AS REQUIRED. ALL NON-STANDARD LENGTHS OF CUT RAIL SHALL BE MORE THAN HALF THE STANDARD LENGTH. IF A SECTION LESS THAN HALF IS REQUIRED, AN ADJACENT SECTION SHALL BE CUT CREATING TWO (2) ADJACENT NON-STANDARD SECTIONS OF SIMILAR SIZE. THE COST OF THIS WORK, INCLUDING FURNISHING AND INSTALLING ANY ADDITIONAL POSTS, BLOCKOUTS, HARDWARE, FIELD CUT, FIELD GALVANIZING, ETC. SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE GUIDE RAIL/MEDIAN RAIL ITEM.
3. SECTIONS OF RAIL ARE TO BE REPLACED IMMEDIATELY FOLLOWING ALTERATION OR REMOVAL:  
-ALL PIER PROTECTION, LEFT (MEDIAN) AND RIGHT SIDES  
-GUIDE RAIL REPLACEMENT ON THE RAMPS AT INTERCHANGES 59 (MP 467.74) AND 60 (MP 485.00)
4. ALL OTHER GUIDE RAIL WORK SHALL BE REPLACED WITHIN 14 CALENDAR DAYS OR THE LOCATION PROTECTED PER STANDARD SPECIFICATION 619.3.02.3
5. CONTRACTOR SHALL REFER TO WORK ZONE TRAFFIC CONTROL DRAWINGS FOR ITEM 606.5148 - RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS) REQUIRED BY THE STABILIZED CONSTRUCTION ACCESS ENTRANCES (MP 475.35, MP 475.39).

ITEM NO.	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.120101	BOX BEAM END PIECE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.18	WEAK-POST CORRUGATED BEAM GUIDE RAILING	LF
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.27	HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING END TERMINAL (ENERGY-ABSORBING)	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.2703	ANCHORAGE UNITS FOR HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	EA
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.54	RESETTING BOX BEAM MEDIAN BARRIER	LF
606.58	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING	LF
606.59100125	RESETTING END TERMINAL FOR HEAVY POST BLOCKED OUT CORRUGATED GUIDE RAIL AND MEDIAN BARRIER	EA
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA

ITEM NO.	DESCRIPTION	UNIT
606.7911	REMOVING AND DISPOSING WEAK AND HEAVY POST CORRUGATED BEAM ENERGY ABSORBING TERMINALS	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.81030025	REMOVING AND DISPOSING GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION)	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8805	TRANSITION BETWEEN BOX BEAM MEDIAN BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER	EA
606.8901	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO BOX BEAM GUIDE RAILING	EA
606.8902	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO WEAK POST CORRUGATED BEAM GUIDE RAILING	EA
606.8903	TRANSITION: HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER	EA
606.9003	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLESLOPE CONCRETE BARRIER (LEFT POCKET)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA

ALTERED ON:

05/09/2025

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 ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING MISCELLANEOUS TABLES GUIDE RAIL AND MEDIAN BARRIER TABLE	DRAWING NUMBER: MST-7

Plotted By: sromeliser  
Design File: 04US0258-PFF 5501denorred.projects\set1928104734transportation\design\drawingPhase 2\plans\MS108.dgn  
Plotted: 8/25/2025 8:25:06 AM

CHECKED BY: B. WALKER

DRAFTED BY: S. ROWEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

TABLE OF GUIDE RAIL AND MEDIAN BARRIER

	START		END		DIRECTION	APPROX. MILEPOST TO MILEPOST	LENGTH OF PROPOSED WORK	606.10	606.120101	606.1203	606.18	606.22	606.27	606.2701	606.2703	606.3042	606.53	606.54	606.58	606.59100125	606.59200125	606.71	606.7101	606.73	606.7910	606.7911	606.7920	606.7921	606.81030025	606.8803	606.8901	606.8902	606.8903	606.9003	606.9004	DESCRIPTION OF WORK	
RUN #	GNP	SIDE	GNP	SIDE																																	
BROUGHT FORWARD:								LF	EA	EA	LF	EA	EA	LF	EA	LF	LF	LF	EA	EA	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA			
74	GNP-79	LT	GNP-80	LT	WB	468.58 TO 468.66	436.5						1.0	362.5								294.5	50.0			1			1		1				REMOVE HPBO ENERGY ABSORBING TERMINAL, HPBO, TRANSITION HPBO TO WEAK POST CBGR, WEAK POST CBGR, AND TRANSITION WEAK POST CBGR TO BBGR. INSTALL HPBO (MOD.) ENERGY ABSORBING TERMINAL, HPBO (MOD.), AND TRANSITION HPBO (MOD.) TO BBGR		
77	GNP-80	LT	GNP-80	LT	EB	468.49 TO 468.50	50.0			1.0																		1							REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.		
79	GNP-81	LT	GNP-82	LT	EB	468.15 TO 468.31	728.0			1.0						130.0	486.0										1	1		1					1	REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY. RESET BBGR. REMOVE BBGR AND BBGR END PIECE. INSTALL TRANSITION FROM BBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, & SINGLE SLOPE CONCRETE BARRIER	
80	GNP-82	LT	GNP-82	LT	WB	468.12 TO 468.17	329.2		1.0	1.0						120.0	90.0											1		1					1	REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY. RESET BBGR. REMOVE BBGR. INSTALL TRANSITION BBGR TO HALF SECTION SINGLE SLOPE CONCRETE BARRIER, TRANSITION HALF SECTION SINGLE SLOPE CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER. INSTALL BBGR TURNED DOWN END TERMINAL.	
81	GNP-84	LT	GNP-84	LT	WB	467.71 TO 467.76	287.0							50.0		100.0				1		187.5	50.0		1							1			1	RESET HPBO (MOD.) CBGR ENERGY ABSORBING END TERMINAL. REMOVE HPBO (MOD.) CBGR, WEAK POST CBGR AND ANCHORAGE UNIT. INSTALL HPBO (MOD.) CBGR. TRANSITION FROM HPBO (MOD.) CBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER	
82	GNP-84	LT	GNP-84	LT	EB	467.80 TO 467.76	252.0			1.0						140.0											1	1		1						1	REMOVE BBGR ENERGY ABSORBING END TERMINAL, BBGR AND BBGR END PIECE. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY, TRANSITION FROM BBGR TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER, TRANSITION FROM SINGLE SLOPE HALF SECTION CONCRETE BARRIER TO SINGLE SLOPE CONCRETE BARRIER, AND SINGLE SLOPE CONCRETE BARRIER
86	GNP-88	LT	GNP-88	LT	EB	467.43 TO 467.44	50.0			1.0																		1								REMOVE BBGR ENERGY ABSORBING END TERMINAL. INSTALL BBGR ENERGY ABSORBING END ASSEMBLY.	
88	GNP-89	LT	GNP-89	LT	WB	467.00 TO 467.12	396.0											396.0																		RESET BOX BEAM MEDIAN BARRIER FOR HEIGHT.	
SHEET 4 SUBTOTAL:								0.0	1.0	5.0	0.0	0.0	1.0	412.5	0.0	490.0	576.0	396.0	0.0	1.0	0.0	482.0	100.0	551.0	1.0	1.0	2.0	5.0	1.0	3.0	1.0	0.0	1.0	0.0	4.0		
LEFT SIDE TOTAL:								810.0	2.0	34.0	0.0	0.0	2.0	2625.0	1.0	2490.0	4462.3	396.0	200.0	6.0	2.0	4054.0	250.0	3390.3	8.0	2.0	15.0	34.0	4.0	20.0	3.0	0.0	6.0	2.0	24.0		
BOTH SIDES TOTAL:								6514.6	6.0	55.0	1100.0	1.0	2.0	7464.2	4.0	2490.0	5560.3	396.0	375.0	6.0	3.0	13172.0	1125.0	4858.6	14.0	2.0	17.0	55.0	10.0	20.0	5.0	1.0	6.0	2.0	24.0		

NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING GUIDE RAIL JOINTS FOR RESET ITEMS AND ADJUST LENGTHS BASED ON BRIDGE & GUIDE RAIL JOINTS AS NECESSARY.
2. THE CONTRACTOR SHALL PROVIDE SPECIAL FIELD CUT AND DRILLED (NOT BURNED) RAIL SECTIONS AS REQUIRED. ALL NON-STANDARD LENGTHS OF CUT RAIL SHALL BE MORE THAN HALF THE STANDARD LENGTH. IF A SECTION LESS THAN HALF IS REQUIRED, AN ADJACENT SECTION SHALL BE CUT CREATING TWO (2) ADJACENT NON-STANDARD SECTIONS OF SIMILAR SIZE. THE COST OF THIS WORK, INCLUDING FURNISHING AND INSTALLING ANY ADDITIONAL POSTS, BLOCKOUTS, HARDWARE, FIELD CUT, FIELD GALVANIZING, ETC. SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE GUIDE RAIL/MEDIAN RAIL ITEM.
3. SECTIONS OF GUIDE RAIL ARE TO BE REPLACED IMMEDIATELY FOLLOWING ALTERATION OR REMOVAL:  
-ALL PIER PROTECTION, LEFT (MEDIAN) AND RIGHT SIDES  
-GUIDE RAIL REPLACEMENT ON THE RAMPS AT INTERCHANGES 59 (MP 467.74) AND 60 (MP 485.00)
4. ALL OTHER GUIDE RAIL WORK SHALL BE REPLACED WITHIN 14 CALENDAR DAYS OR THE LOCATION PROTECTED PER STANDARD SPECIFICATION 619.3.02.3
5. CONTRACTOR SHALL REFER TO WORK ZONE TRAFFIC CONTROL DRAWINGS FOR ITEM 606.5148 - RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS) REQUIRED BY THE STABILIZED CONSTRUCTION ACCESS ENTRANCES (MP 475.35, MP 475.39).

ALTERED ON:	05/09/2025
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ITEM NO.	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.120101	BOX BEAM END PIECE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.18	WEAK-POST CORRUGATED BEAM GUIDE RAILING	LF
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.27	HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING END TERMINAL (ENERGY-ABSORBING)	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.2703	ANCHORAGE UNITS FOR HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	EA
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.54	RESETTING BOX BEAM MEDIAN BARRIER	LF
606.58	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING	LF
606.59100125	RESETTING END TERMINAL FOR HEAVY POST BLOCKED OUT CORRUGATED GUIDE RAIL AND MEDIAN BARRIER	EA
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA

ITEM NO.	DESCRIPTION	UNIT
606.7911	REMOVING AND DISPOSING WEAK AND HEAVY POST CORRUGATED BEAM ENERGY ABSORBING TERMINALS	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.81030025	REMOVING AND DISPOSING GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION)	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8805	TRANSITION BETWEEN BOX BEAM MEDIAN BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER	EA
606.8901	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO BOX BEAM GUIDE RAILING	EA
606.8902	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO WEAK POST CORRUGATED BEAM GUIDE RAILING	EA
606.8903	TRANSITION: HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER	EA
606.9003	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLESLOPE CONCRETE BARRIER (LEFT POCKET)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING MISCELLANEOUS TABLES GUIDE RAIL AND MEDIAN BARRIER TABLE	DRAWING NUMBER: MST-8

Plotted By: sromeliser 06/05/2025-PPF 5501\denard\projects\1928104\transportation\design\drawing\Phase 2\plans\MST09.dgn  
Design File: 5/16/2025  
Plotted: 5/16/2025

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

TREE REMOVAL TABLE					
ITEM NO.	DESCRIPTION				PAY UNIT
614.060202	TREE REMOVAL OVER 6 INCHES TO 12 INCHES DIAMETER BREAST HEIGHT - STUMPS CUT FLUSH				EA
614.060302	TREE REMOVAL OVER 12 INCHES TO 18 INCHES DIAMETER BREAST HEIGHT - STUMPS CUT FLUSH				EA
614.060402	TREE REMOVAL OVER 18 INCHES TO 24 INCHES DIAMETER BREAST HEIGHT - STUMPS CUT FLUSH				EA
614.060502	TREE REMOVAL OVER 24 INCHES TO 36 INCHES DIAMETER BREAST HEIGHT - STUMPS CUT FLUSH				EA
614.060602	TREE REMOVAL OVER 36 INCHES TO 48 INCHES DIAMETER BREAST HEIGHT - STUMPS CUT FLUSH				EA
LOCATION		614.060202	614.060302	614.060402	614.060502
WESTBOUND		217	158	86	42
EASTBOUND		298	179	66	32
TOTALS:		515	337	152	74

- NOTES:
1. THE PROJECT LIMITS HAVE BEEN SURVEYED FOR REQUIRED TREE REMOVAL BY A NYSTA ENVIRONMENTAL REPRESENTATIVE. THE CONTRACTOR WILL BE INSTRUCTED BY N.Y.S.T.A. REPRESENTATIVE AS TO SPECIFIC TREES WHICH ARE TO BE REMOVED AFTER AWARD OF PROJECT.
  2. PLEASE SEE PROPOSAL FOR "SPECIAL NOTE: FOREST INSECT DISEASE CONTROL".
  3. CONTRACTOR SHALL HAVE ALL DEBRIS AND HAZARDS REMOVED FROM CLEAR ZONE AT END OF EACH WORK DAY AS APPROVED BY EIC.
  4. BRANCHES AND TRIMMINGS MAY BE DISPOSED OF THROUGH CHIPPING AND DISPOSED OF WITHIN THE NYSTA ROW AS APPROVED BY EIC.
  5. TREES MAY BE DISPOSED OF WITHIN NYSTA ROW PER APPROVAL OF EIC. HOWEVER, DUE TO SOME CONSTRAINTS, SOME TREES MAY BE REQUIRED TO BE MOVED FROM SITE OR REMOVED FROM PROJCT LIMITS COMPLETELY.
  6. THREATENED AND ENDANGERED SPECIES:  
THE PROJECT IS WITHIN THE RANGE OF FEDERALLY-LISTED ENDANGERED NORTHERN LONG EARED BAT (MYOTIS SEPTENTRIONALIS), THE PROPOSED ENDANGERED TRICOLORED BAT (PERIMYOTIS SUBFLAVUS) SPECIES AND THE NEW YORK-LISTED THREATENED BALD EAGLE (HALIAEETUS IEUCOCEPHALUS) SPECIES. THE CONTRACTOR SHALL NOTE THERE IS A NESTING SITE AT MP 479.4 WB RIGHT SIDE (DWG. GNP-30) THAT ILLUSTRATES A NO TREE CUTTING ZONE WITHOUT PRIOR APPROVAL FROM THE NYSTA. THIS PROJECT HAS OBTAINED REGULATORY APPROVAL FOR THE ELIMINATION OF TREES, AS SPECIFIED IN TABLE ABOVE. ALL TREES TO BE REMOVED WILL BE PHYSICALLY IDENTIFIED IN THE FIELD BY THE PROJECT ENGINEER. THE TREE REMOVALS HAVE BEEN APPROVED FOR THE WINTER CUTTING WINDOW (NOVEMBER 1 TO MARCH 31). NO TREES THREE (3) INCHES DBH OR GREATER SHALL BE CUT BETWEEN APRIL 1 AND OCTOBER 31ST. ALL TREES ADJACENT TO THE IDENTIFIED TREE(S) TO BE REMOVED SHALL REMAIN UNHARMED.
  7. NO TREES SHALL BE CUT OR REMOVED NEAR THE NESTING SITE AT MP 479.4 WB, RT. (DWGS. GNP-29 & GNP-30) WITHOUT PRIOR APPROVAL FROM NYSTA.
  8. CONTACT NYSTA ENVIRONMENTAL SPECIALIST TOM MOORE (716) 635-6291, TWO (2) WEEKS PRIOR TO ACCESSING THIS AREA.
  9. NYSTA ENVIRONMENTAL SPECIALIST SHALL BE ON SITE DURING ANY TREE REMOVAL ACTIVITIES IN THIS DESIGNATED AREA.

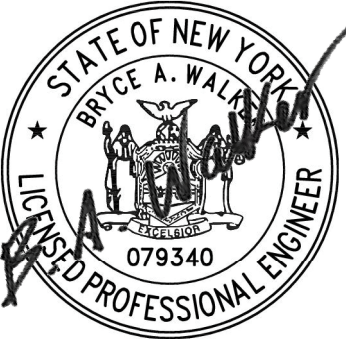
SNOWPLOW MARKER TABLE							
LOCATION					646.08010025	646.08020025	646.50000025
RUN #	FROM		TO				
	MILEPOST	OFFSET	MILEPOST	OFFSET			
EASTBOUND							
7	482.82	RT	482.82	RT	-	1	2
9	482.03	RT	482.04	RT	-	1	2
12	481.02	RT	481.03	RT	-	1	2
13	480.92	LT	481.02	LT	-	1	2
16	480.56	LT	480.71	LT	1	1	3
19	479.96	LT	479.97	LT	-	1	2
21	479.55	LT	479.69	LT	1	1	2
24	479.29	LT	479.42	LT	1	1	3
25	479.40	RT	479.40	RT	-	1	2
26	479.13	LT	479.25	LT	1	1	3
28	478.18	LT	478.22	LT	1	1	3
29	477.99	RT	480.00	RT	-	1	2
31	477.55	LT	477.61	LT	1	1	3
33	476.96	RT	476.99	RT	-	1	2
34	476.53	RT	476.55	RT	-	1	2
36	476.16	LT	476.28	LT	1	1	3
38	475.66	RT	485.68	RT	-	1	2
39	475.50	LT	475.51	LT	-	1	2
42	474.86	RT	474.87	RT	-	1	2
43	474.85	LT	474.86	LT	-	1	2
46	473.99	RT	474.00	RT	-	1	2
48	473.79	LT	473.83	LT	1	1	3
50	473.51	RT	473.52	RT	-	1	2
51	473.49	LT	473.50	LT	-	1	2
52	472.62	LT	472.72	LT	1	1	3
54	471.72	LT	471.82	LT	1	1	3
57	471.01	RT	471.02	RT	-	1	2
58	471.01	LT	471.01	LT	-	1	2
60	470.64	LT	470.77	LT	-	1	2
66	469.84	LT	469.88	LT	1	1	3
67	469.50	RT	469.50	RT	-	1	2
68	469.32	LT	469.32	LT	-	1	2
71	468.98	RT	468.99	RT	-	1	2
72	468.83	LT	468.83	LT	-	1	2
75	468.49	RT	468.70	RT	1	-	1
77	468.49	LT	468.50	LT	-	1	1
79	468.15	LT	468.31	LT	1	1	3
82	467.76	LT	467.80	LT	1	1	3
86	467.43	LT	467.44	LT	-	1	2
87	467.42	RT	467.43	RT	-	1	2
SUBTOTAL					14	39	90

SNOWPLOW MARKER TABLE							
LOCATION					646.08010025	646.08020025	646.50000025
RUN #	FROM		TO				
	MILEPOST	OFFSET	MILEPOST	OFFSET			
WESTBOUND							
1	485.39	LT	485.50	LT	-	1	2
2	484.98	LT	485.02	LT	1	1	3
3	483.70	RT	483.86	RT	1	-	1
4	483.70	LT	483.71	LT	-	1	2
5	483.68	RT	483.68	RT	-	1	2
6	483.05	LT	483.09	LT	1	1	3
8	482.58	RT	482.59	RT	-	1	1
10	481.92	RT	481.92	RT	-	1	2
11	481.25	LT	481.34	LT	1	1	3
14	480.87	LT	480.87	LT	-	1	2
15	480.86	RT	480.98	RT	1	1	2
17	480.46	RT	480.47	RT	-	1	2
18	480.27	RT	480.35	RT	1	-	1
20	479.73	RT	479.74	RT	-	1	2
22	479.52	RT	479.52	RT	-	1	2
23	479.51	LT	479.51	LT	-	1	2
27	478.14	LT	478.19	LT	1	1	3
30	477.79	RT	477.80	RT	-	1	2
32	477.51	LT	477.57	LT	1	1	3
35	476.41	RT	476.71	RT	1	1	3
37	476.10	LT	476.18	LT	1	1	3
40	475.13	LT	475.14	LT	-	1	2
41	474.93	RT	474.93	RT	-	1	2
44	474.66	LT	474.75	LT	1	1	3
45	474.60	RT	474.75	RT	1	1	3
47	473.83	RT	473.85	RT	-	1	2
49	473.75	LT	473.79	LT	1	1	3
53	472.55	LT	472.66	LT	1	1	2
55	471.66	LT	471.75	LT	1	1	3
56	471.55	RT	471.55	RT	-	1	2
59	470.84	LT	470.85	LT	-	1	2
61	470.64	LT	470.71	LT	1	-	1
62	470.52	LT	470.60	LT	-	1	2
63	470.52	RT	470.60	RT	-	1	2
64	470.26	LT	470.35	LT	1	1	3
65	469.81	LT	469.85	LT	1	1	3
69	469.20	RT	469.34	RT	1	-	1
70	469.12	LT	469.17	LT	-	-	-
73	468.72	RT	469.17	RT	-	-	-
74	468.58	LT	468.66	LT	-	1	2
76	468.46	RT	468.66	RT	-	1	2
78	468.17	RT	468.39	RT	1	-	1
80	468.12	LT	468.17	LT	1	1	3
81	467.71	LT	467.76	LT	1	1	3
85	467.27	RT	467.49	RT	1	1	3
88	467.00	LT	467.12	LT	1	-	1
SUBTOTAL					24	38	97
RAMPS							
83	WB A APPROACH BRIDGE				-	1	2
84	WB A DEPART BRIDGE				1	-	-
SUBTOTAL					1	1	2
TOTALS					39	78	189

ITEM NO.	DESCRIPTION	PAY UNIT
646.08010025	INSTALL SNOWPLOW MARKER, SINGLE UNIT	EA
646.08020025	INSTALL SNOWPLOW MARKER, DOUBLE UNIT	EA
646.50000025	REMOVE AND DISPOSE OF DELINEATORS AND MARKERS	EA

ALTERED ON:

AFFIXED ON:  
05/09/2025

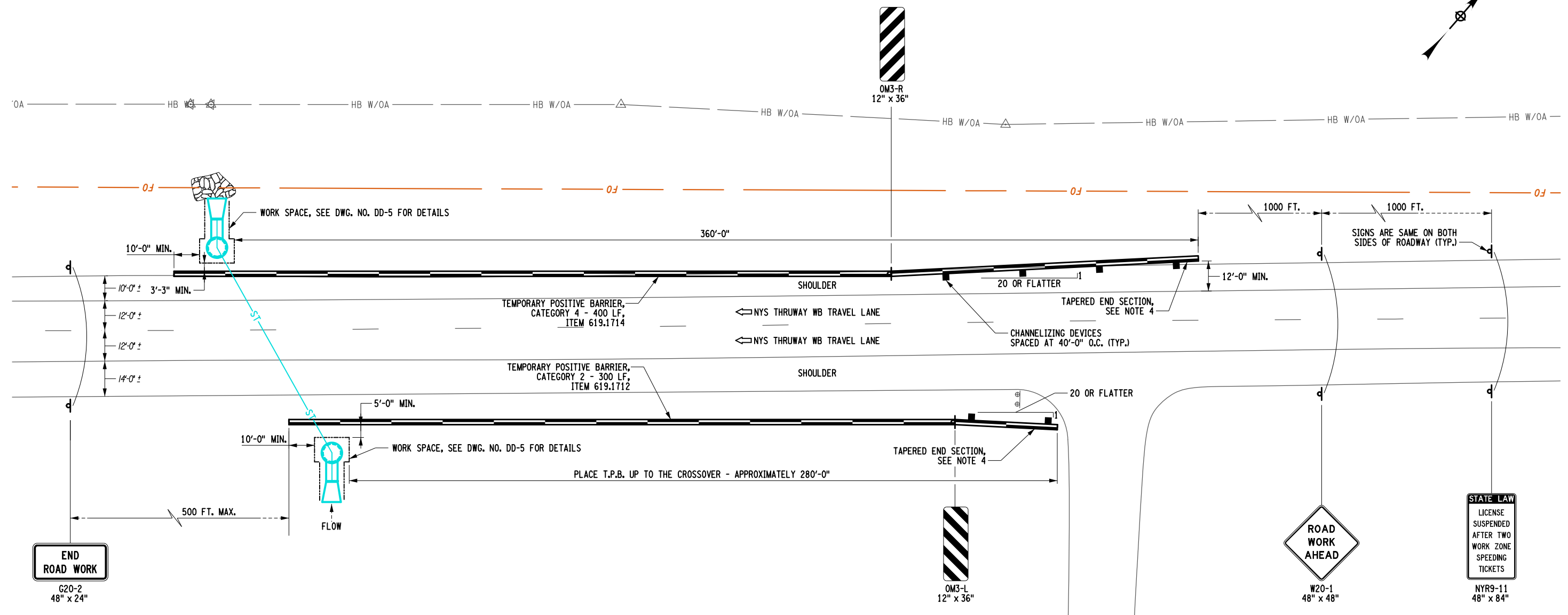
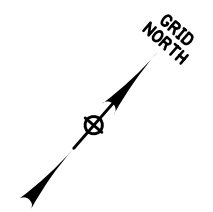


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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

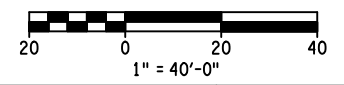


TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING MISCELLANEOUS TABLES SNOW PLOW MARKER TABLE	DRAWING NUMBER: MST-9



WZTC DETAIL AT MP 481.55  
SCALE: 1" = 40'-0"



- NOTES:
- SEE STANDARD SHEET TA 619-05 (PLAN B) FOR ADDITIONAL LAYOUT INFORMATION AND SIGNAGE REQUIREMENTS.
  - CATEGORY 2 AND CATEGORY 4 TEMPORARY POSITIVE BARRIER SHALL BE OFFSET A MINIMUM OF 5 FT. AND 3 FT. 3 IN. RESPECTIVELY, FROM THE EDGE OF THE EXCAVATION.
  - TEMPORARY POSITIVE BARRIER IS TO EXTEND 10 FT. MIN. BEYOND THE WORK SPACE.
  - TEMPORARY POSITIVE BARRIER SHALL BE FLARED AT A 1:20 RATE TO OBTAIN A 12 FT. MIN. OFFSET TO THE EDGE OF TRAVEL WAY (EDGE STRIPE). IF BARRIER IS SET AT GREATER THAN 12 FT. OFF THE STRIPE, THEN THE TAPERED END SECTION AND THE FIRST FULL HEIGHT PIECE SHALL BE FLARED AT THE 1:20 RATE.
  - SIGN PLACEMENT SHOWN ASSUMES BOTH SHOULDERS CLOSED AT THE SAME TIME.



ALTERED ON:	AFFIXED ON: 05/09/2025

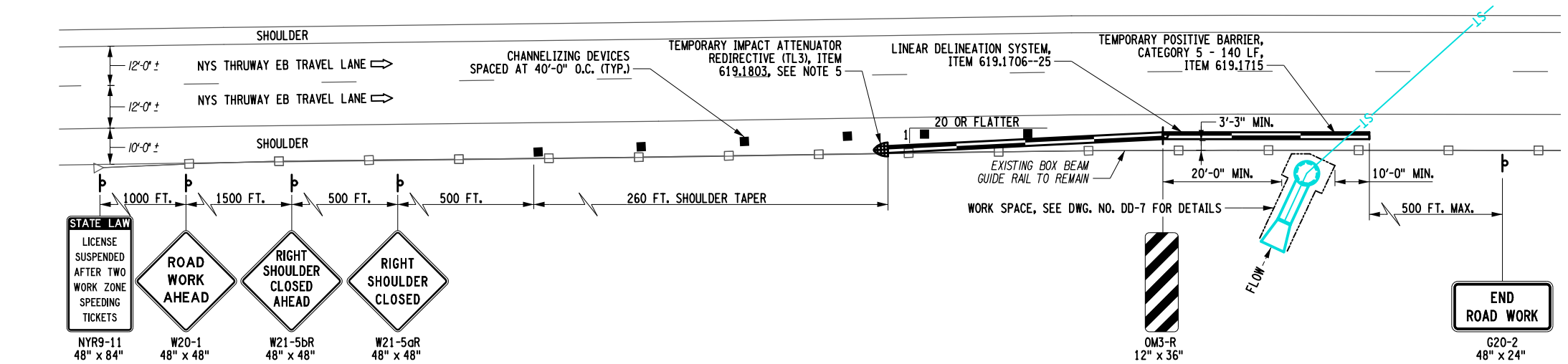
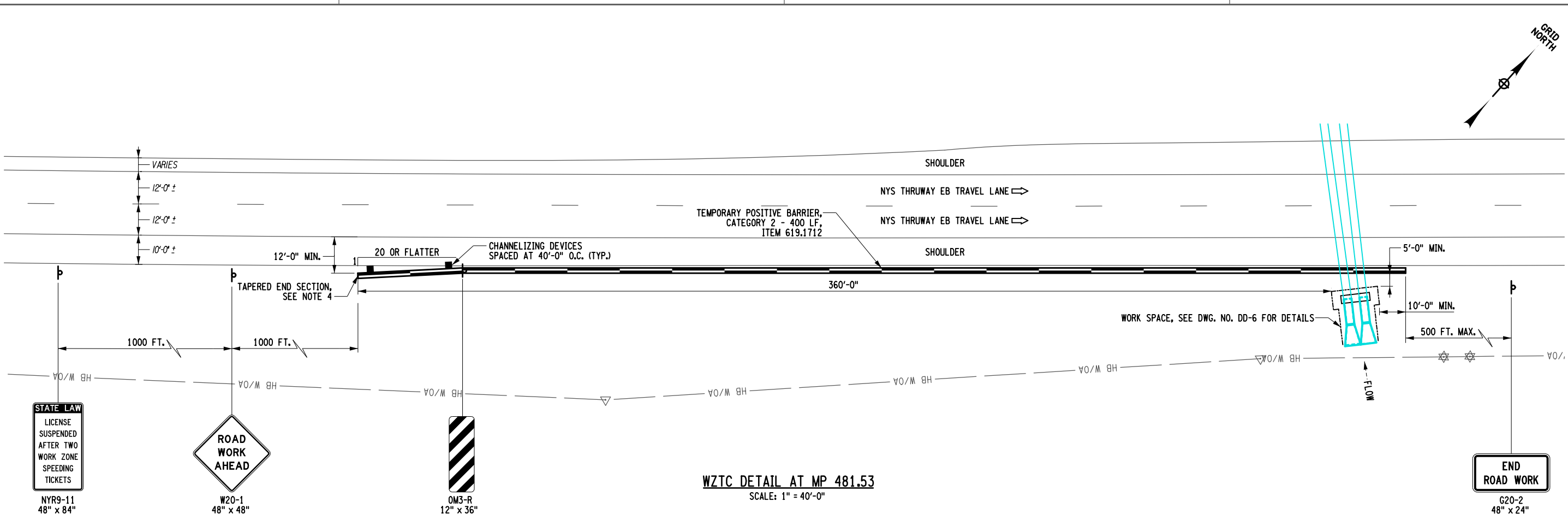
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

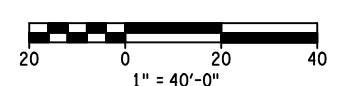
 	TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL T.P.B. PROTECTION FOR DRAINAGE WORK AREAS	DRAWING NUMBER: WZTC-01

DESIGNED BY: S. LOFORTE  
CHECKED BY: E. THOMPSON  
DRAFTED BY: S. LOFORTE  
CHECKED BY: E. THOMPSON  
PLOTTER: D215036.coh.wztc.dgn  
PLOT DATE: 5/6/2025  
PLOT TIME: 2:17:23 PM

DESIGNED BY: S. LOFORTE  
CHECKED BY: E. THOMPSON  
DRAFTED BY: S. LOFORTE  
CHECKED BY: E. THOMPSON  
241738 PM 5/6/2025  
D215036.cdw.wztc.dgn  
Plotted By: M. Thompson  
Design File: D215036.cdw.wztc.dgn  
Plotted: 5/6/2025



- NOTES:
- SEE STANDARD SHEET TA 619-05 FOR ADDITIONAL LAYOUT INFORMATION AND SIGNAGE REQUIREMENTS.
  - CATEGORY 2 TEMPORARY POSITIVE BARRIER SHALL BE OFFSET A MINIMUM OF 5 FT. FROM THE EDGE OF THE EXCAVATION. CATEGORY 5 TEMPORARY POSITIVE BARRIER SHALL BE OFFSET A MINIMUM OF 3 FT. 3 IN. FROM FACE OF THE EXISTING GUIDE RAIL.
  - TEMPORARY POSITIVE BARRIER IS TO EXTEND 10 FT. MIN. BEYOND THE WORK SPACE.
  - TEMPORARY POSITIVE BARRIER SHALL BE FLARED AT A 1:20 RATE TO OBTAIN A 12 FT. MIN. OFFSET TO THE EDGE OF TRAVEL WAY (EDGE STRIPE). IF BARRIER IS SET AT GREATER THAN 12 FT. OFF THE STRIPE, THEN THE TAPERED END SECTION AND THE FIRST FULL HEIGHT PIECE SHALL BE FLARED AT THE 1:20 RATE.
  - TEMPORARY POSITIVE BARRIER SHALL BE FLARED AT A 1:20 RATE UNTIL IT ENDS AT THE EXISTING GUIDE RAIL. A TEMPORARY IMPACT ATTENUATOR SHALL BE INSTALLED AT THE LEADING EDGE.



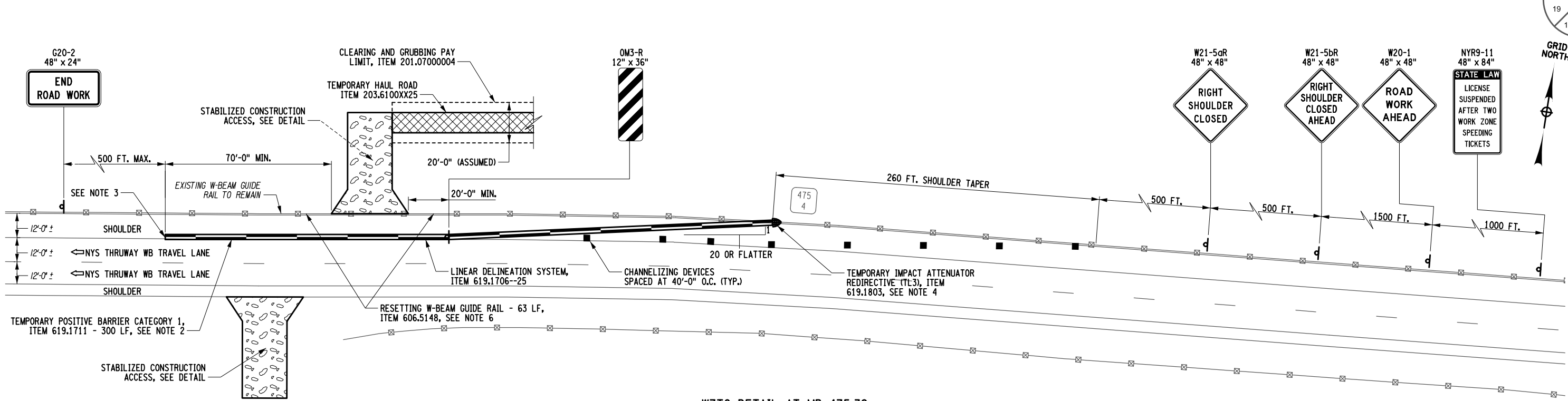
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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.

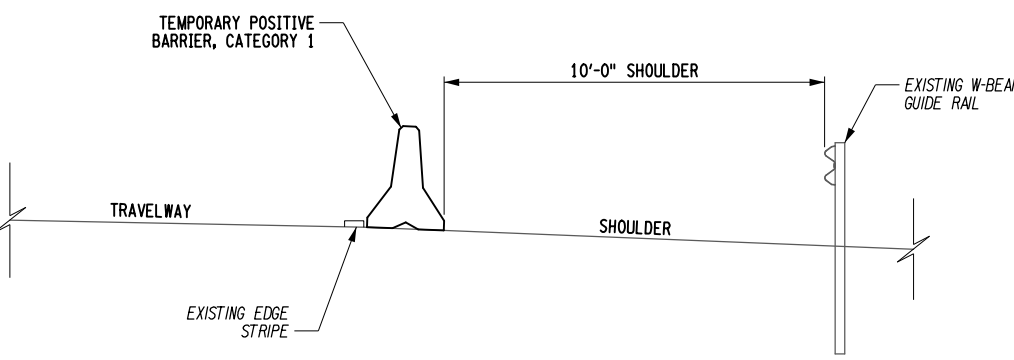


TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL T.P.B. PROTECTION FOR DRAINAGE WORK AREAS	DRAWING NUMBER: WZTC-02

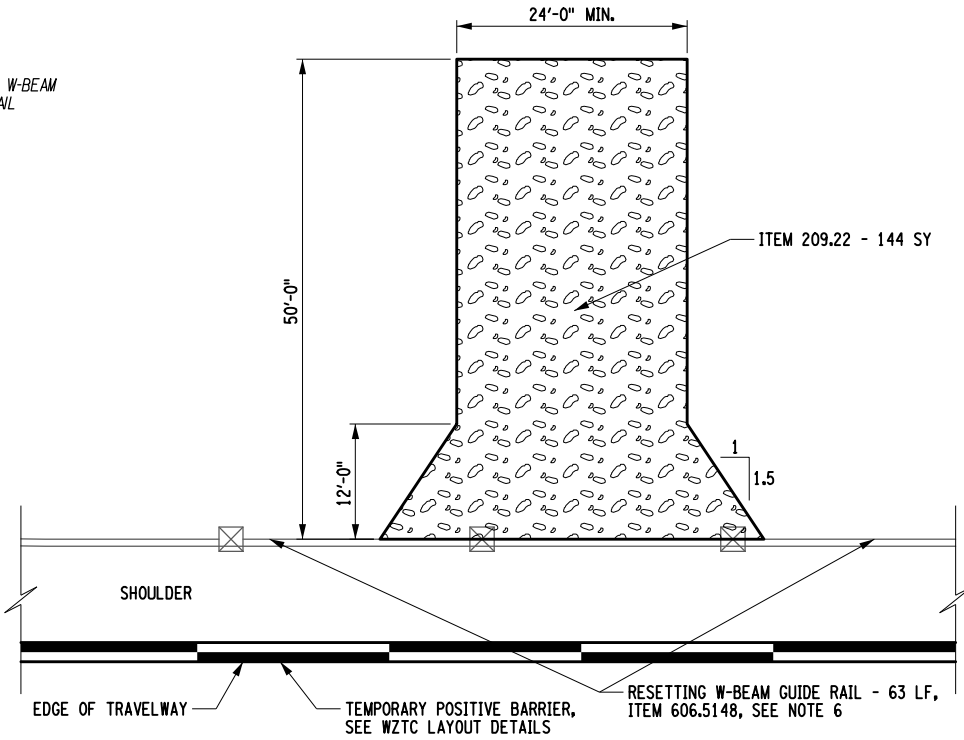
DESIGNED BY: S. LOFORTE  
CHECKED BY: E. THOMPSON  
DRAFTED BY: S. LOFORTE  
CHECKED BY: E. THOMPSON  
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5/6/2025  
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WZTC DETAIL AT MP 475.39  
NOT TO SCALE



BARRIER POSITION  
NOT TO SCALE

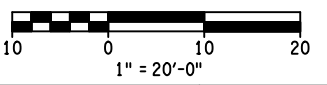


STABILIZED CONSTRUCTION ACCESS  
SCALE: 1" = 20'-0"

LOCATION	HAUL ROAD	CLEARING AND GRUBBING QUANTITY, ITEM 201.07000004 (SY)
1	203.61000125	322
2	203.61000225	489
3	203.61000325	356

NOTES:

- SEE STANDARD SHEET TA 619-05 (PLAN A) FOR ADDITIONAL LAYOUT INFORMATION AND SIGNAGE REQUIREMENTS.
- TEMPORARY POSITIVE BARRIER SHALL BE INSTALLED AT THE EDGE OF TRAVEL WAY (EDGE STRIPE).
- TEMPORARY POSITIVE BARRIER SHALL EXTEND 70 FT. MIN. BEYOND THE BREAK IN THE GUIDE RAIL.
- TEMPORARY POSITIVE BARRIER SHALL BE FLARED AT 1:20 RATE UNTIL IT ENDS AT THE EXISTING GUIDE RAIL. A TEMPORARY IMPACT ATTENUATOR SHALL BE INSTALLED AT THE LEADING EDGE.
- TO UTILIZE THE CONSTRUCTION ENTRANCE A INTERMEDIATE-TERM LANE CLOSURE WILL BE REQUIRED. SEE STANDARD SHEET TA 619-08 FOR LANE CLOSURE DETAILS AND SIGNAGE REQUIREMENTS. WORK IS NOT PERMITTED TO TAKE PLACE AT THE SAME TIME ON BOTH SIDES OF THE ROADWAY.
- THE EXISTING W-BEAM GUIDE RAIL IS TO BE REMOVED TO ALLOW FOR INSTALLATION OF THE STABILIZED CONSTRUCTION ACCESS. THE RAIL WILL BE RESET USING NEW POSTS, UNDER ITEM 606.5148.
- THE LOCATION OF THE STABILIZED CONSTRUCTION ACCESS SHOWN ON THE GENERAL PLANS IS FOR ILLUSTRATIVE PURPOSES ONLY. THE CONTRACTOR MAY CHOOSE THE LOCATION OF THE STABILIZED CONSTRUCTION ACCESS WITH THE APPROVAL OF THE ENGINEER.



ALTERED ON: AFFIXED ON: 05/09/2025

STATE OF NEW YORK  
ERIC J. THOMPSON  
LICENSED PROFESSIONAL ENGINEER  
066268

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.

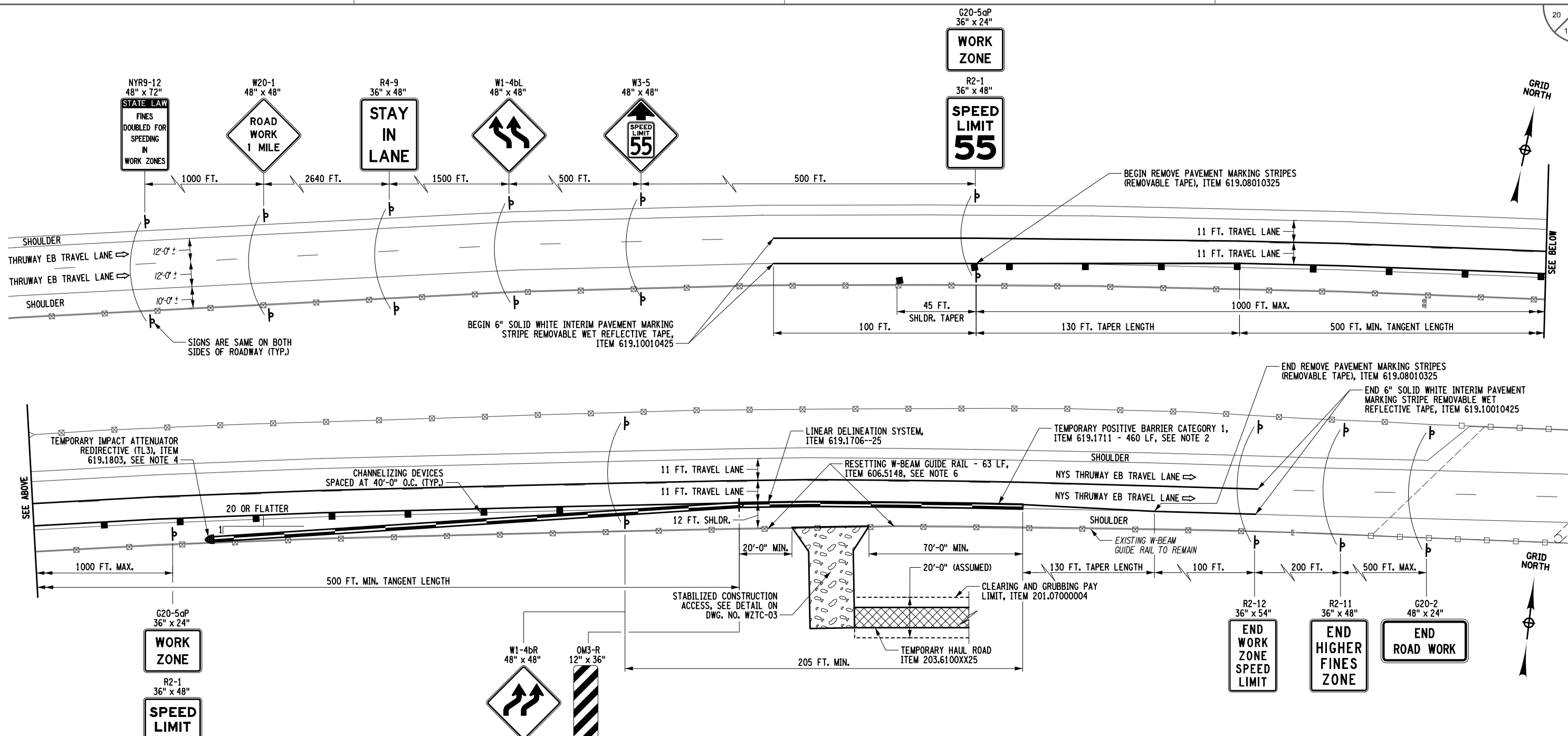
NEW YORK STATE Thruway Authority

POPPI DESIGN GROUP

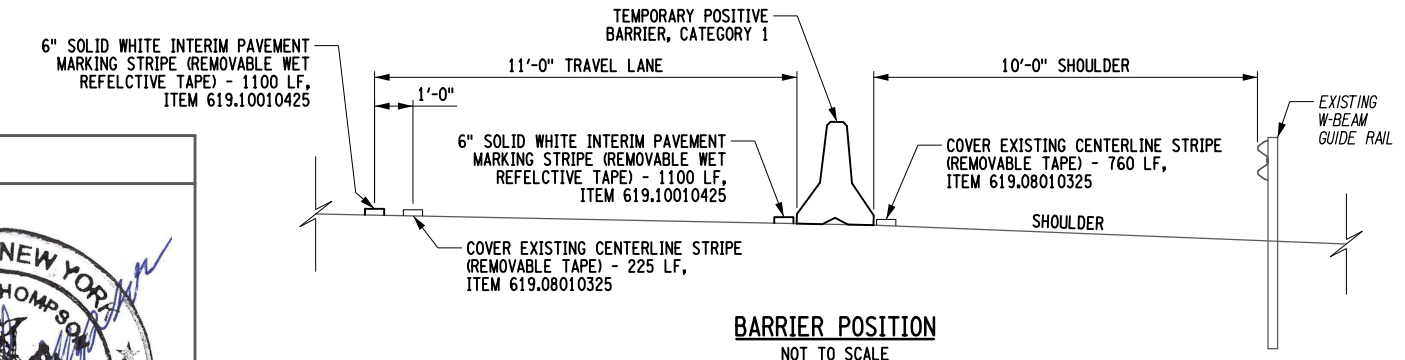
TITLE OF PROJECT: ROADSIDE SAFETY IMPROVEMENTS  
LOCATION OF PROJECT: BUFFALO DIVISION MP 467.00 TO MP 485.50  
TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL T.P.B. PROTECTION FOR DRAINAGE WORK AREAS

CONTRACT NUMBER: TAB 25-15  
DATE: 05/09/2025  
DRAWING NUMBER: WZTC-03

DESIGNED BY: S. LOFORTE  
CHECKED BY: E. THOMPSON  
DRAFTED BY: S. LOFORTE  
21813 PM 5/6/2025  
Plotted By: D215036.dgn  
Design File: WZTC.dgn  
Plotted: 5/6/2025



**WZTC DETAIL AT MP 475.35**  
NOT TO SCALE



- NOTES:**
- SEE STANDARD SHEET TA 619-11 FOR ADDITIONAL LAYOUT INFORMATION AND SIGNAGE REQUIREMENTS.
  - TEMPORARY POSITIVE BARRIER SHALL BE INSTALLED AT THE EDGE OF TRAVEL WAY (EDGE STRIPE).
  - TEMPORARY POSITIVE BARRIER SHALL EXTEND 70 FT. MIN. BEYOND THE BREAK IN THE GUIDE RAIL.
  - TEMPORARY POSITIVE BARRIER SHALL BE FLARED AT 1:20 RATE UNTIL IT ENDS AT THE EXISTING GUIDE RAIL. A TEMPORARY IMPACT ATTENUATOR SHALL BE INSTALLED AT THE LEADING EDGE.
  - TO UTILIZE THE CONSTRUCTION ENTRANCE A INTERMEDIATE-TERM LANE CLOSURE WILL BE REQUIRED. SEE STANDARD SHEET TA 619-08 FOR LANE CLOSURE DETAILS AND SIGNAGE REQUIREMENTS.
  - THE EXISTING W-BEAM GUIDE RAIL IS TO BE REMOVED TO ALLOW FOR INSTALLATION OF THE STABILIZED CONSTRUCTION ACCESS. THE RAIL WILL BE RESET USING NEW POSTS, UNDER ITEM 606.5148.
  - THE LOCATION OF THE STABILIZED CONSTRUCTION ACCESS SHOWN ON THE GENERAL PLANS IS FOR ILLUSTRATIVE PURPOSES ONLY. THE CONTRACTOR MAY CHOOSE THE LOCATION OF THE STABILIZED CONSTRUCTION ACCESS WITH THE APPROVAL OF THE ENGINEER.

ALTERED ON: AFFIXED ON: 05/09/2025

**STATE OF NEW YORK**  
ERIC J. THOMPSON  
LICENSED PROFESSIONAL ENGINEER  
066268

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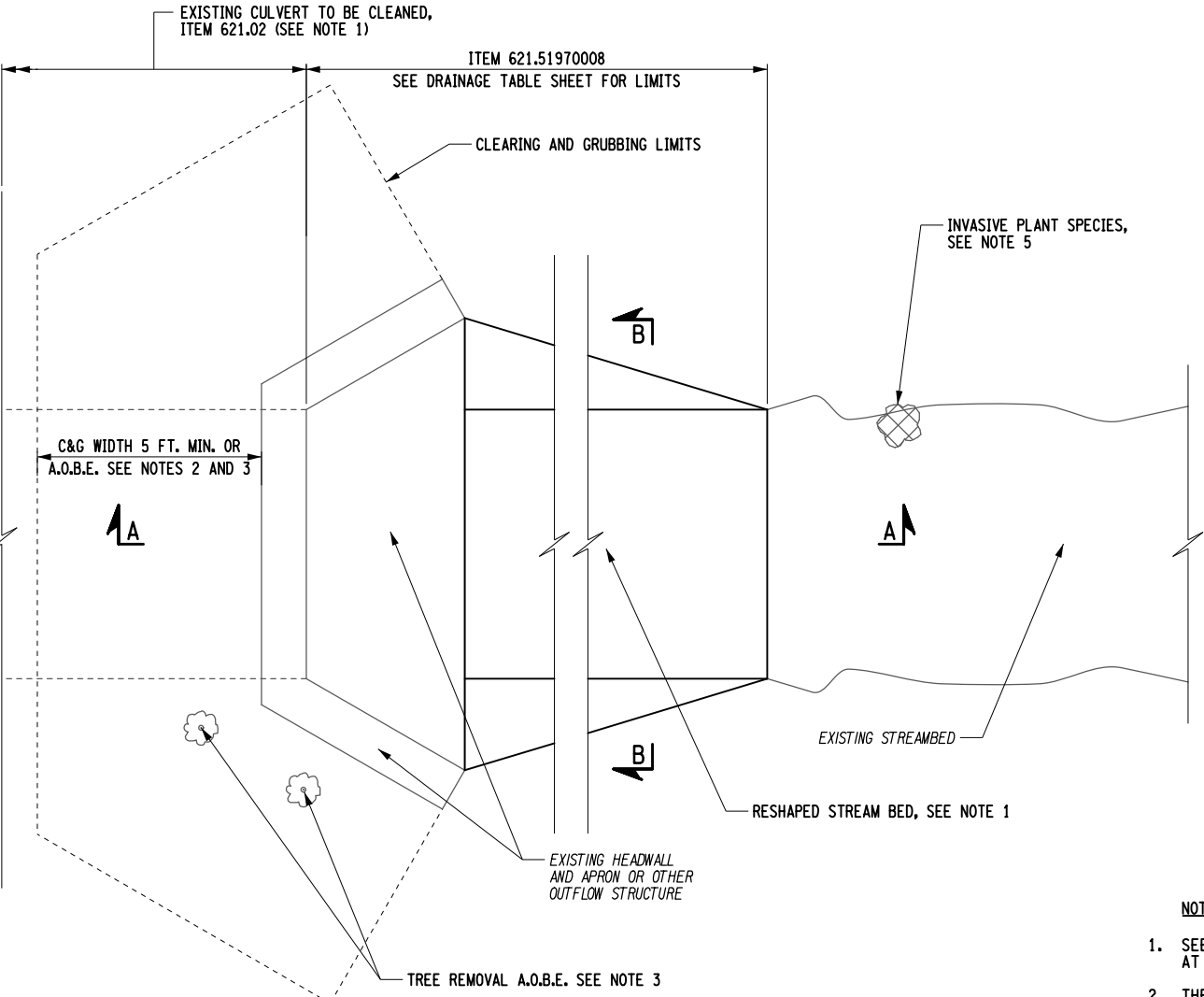
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

**NEW YORK STATE** Thruway Authority

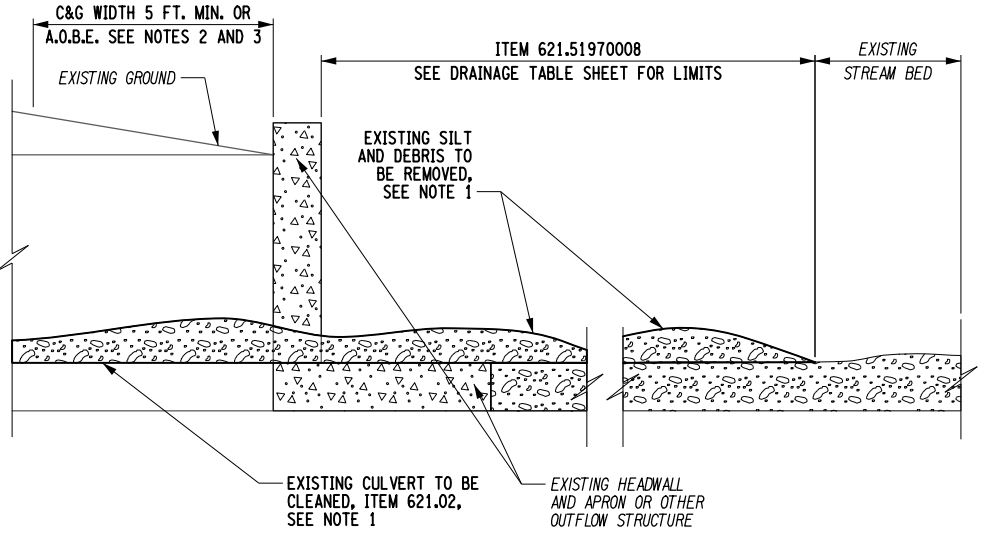
**PDG**  
POPULI DESIGN GROUP

TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL T.P.B. PROTECTION FOR DRAINAGE WORK AREAS	DRAWING NUMBER: WZTC-04

CLEANING AND RESHAPING TABLE				
STRUCTURE MP	STRUCTURE CIN	GENERAL PLAN SHEET	CULVERT SPAN	ASSUMED STREAM WIDTH
			FT	FT
485.05	48505001XX	GNP-03	48 IN. PIPE	10
485.00	48500007XX	GNP-90	48 IN. PIPE	10
483.44	48344004XX	GNP-11	48 IN. PIPE	10
483.03	48303001XX	GNP-13	10	16
481.55	48155008XX	GNP-20	54 IN. PIPE	10.5
481.53	48153007XX	GNP-20	TWIN 36 IN. PIPES	14
481.33	48133004XX	GNP-21	60 IN. PIPE	11
476.88	47688009XX	GNP-42	6	12
476.07	47607001XX	GNP-45	TWIN 36 IN. PIPES	14
475.39	47539005XX	GNP-39	10	16
475.38	47538004XX	GNP-39	10	16
475.35	47535003XX	GNP-39	4.5	10.5
474.78	47478006XX	GNP-51	6	12
474.73	47473005XX	GNP-52	6	12
473.36	47336002XX	GNP-58	8	14
471.75	47175009XX	GNP-65	48 IN. PIPE	10
468.22	46822006XX	GNP-81	6	12
468.19	46819005XX	GNP-82	6	12
467.34	46734007XX	GNP-88	10	16
467.33	46733006XX	GNP-88	10	16

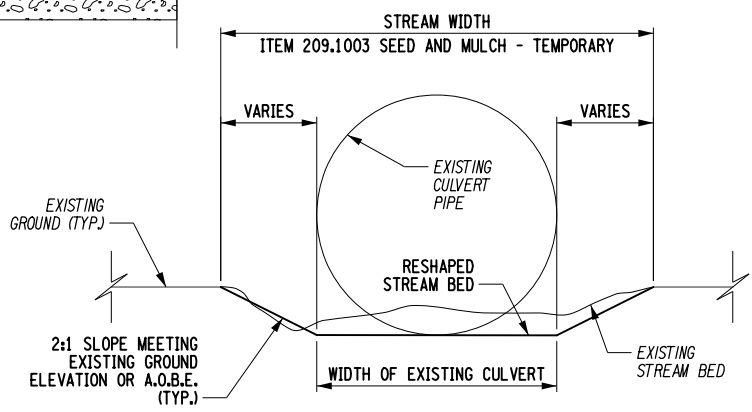


TYPICAL CLEANING AND RESHAPING STREAM BED DETAIL  
SCALE: 1/4" = 1'-0"



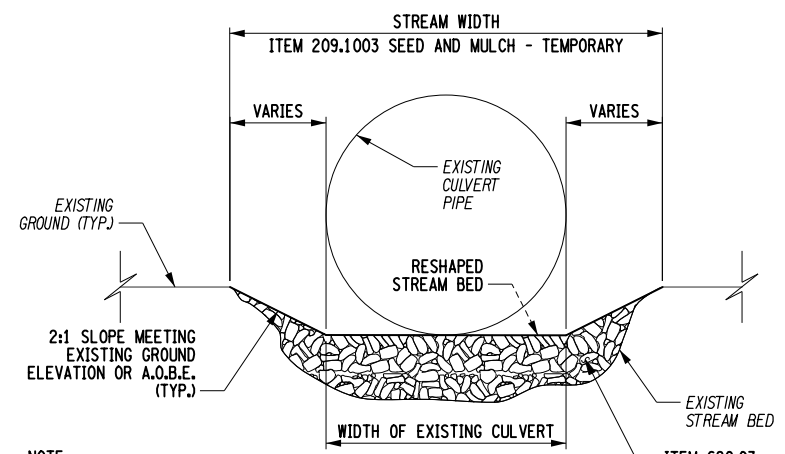
NOTE:  
SECTION A-A IS ALSO APPLICABLE TO PIPES.

SECTION A-A  
SCALE: 1/4" = 1'-0"



NOTE:  
SECTION B-B IS ALSO APPLICABLE TO BOX CULVERTS.

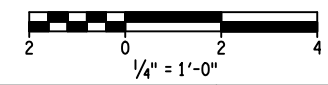
SECTION B-B  
STREAM WITH DEBRIS BUILD UP  
SCALE: 1/4" = 1'-0"



NOTE:  
SECTION B-B IS ALSO APPLICABLE TO BOX CULVERTS.

SECTION B-B  
STREAM WITH SCOUR  
SCALE: 1/4" = 1'-0"

- NOTES:
- SEE THE DRAINAGE TABLE SHEET FOR THE ITEMS AND QUANTITIES AT CLEANING AND RESHAPING LOCATIONS.
  - THE CONTRACTOR SHALL CLEAR AND GRUB, ITEM 201.07000004, BEHIND THE STRUCTURE, HEADWALL OR PIPE END SECTION A MINIMUM OF 5 FT. OR A.O.B.E. AT THE SPECIFIED LOCATIONS CALLED OUT ON THE DRAINAGE TABLE SHEET.
  - THE CONTRACTOR SHALL REMOVE TREES AROUND HEADWALL AS NECESSARY WITHIN THE CLEARING AND GRUBBING LIMITS A.O.B.E. THE COST SHALL BE INCLUDED IN ITEM 201.07000004.
  - THE CONTRACTOR SHALL CLEAN THE CULVERT AND STREAM BED ONLY WHEN THE STREAM BED IS DRY OR A.O.B.E.
  - VEGETATIVE INVASIVE PLANT SPECIES HAVE BEEN IDENTIFIED WITHIN THE PROJECT LIMITS. PAY ITEMS HAVE BEEN INCLUDED IN THE CONTRACT TO CONTROL THESE PLANT SPECIES. LOCATION AND MEANS OF REMOVAL SHALL BE A.O.B.E.
  - DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH 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 BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL 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.
  - ALL STREAM WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE USACE TRANSPORTATION REGIONAL GENERAL PERMIT (TRGP-1), PREPARED BY THE NYS THRUWAY AUTHORITY. THE CONTRACTOR SHALL COMPLY WITH ALL GENERAL CONDITIONS OF THE PERMIT, AS DETAILED IN THE PROPOSAL.



DESIGNED BY: S. LOFORTE  
CHECKED BY: N. ARTIS  
DRAFTED BY: S. LOFORTE  
CHECKED BY: N. ARTIS  
20251119 PM  
D215036.csh.drd.dgn  
5/6/2025  
Plotted By: Design File  
Plotted: 5/6/2025

ALTERED ON:

AFFIXED ON: 05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

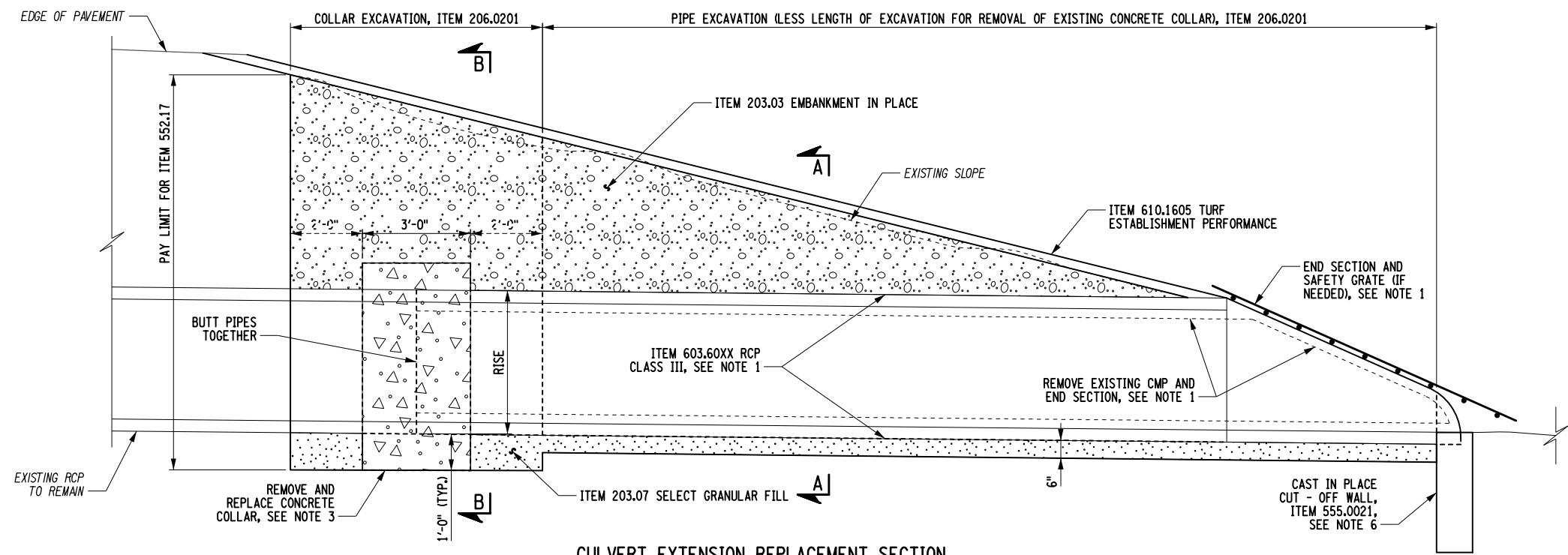
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
DRAINAGE  
CLEANING AND RESHAPING  
DETAILS

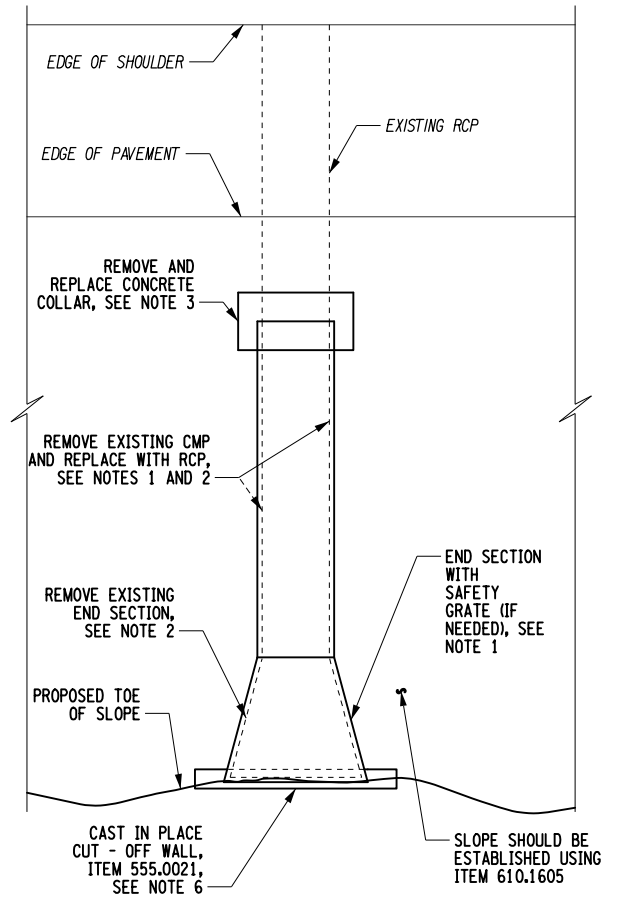
CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
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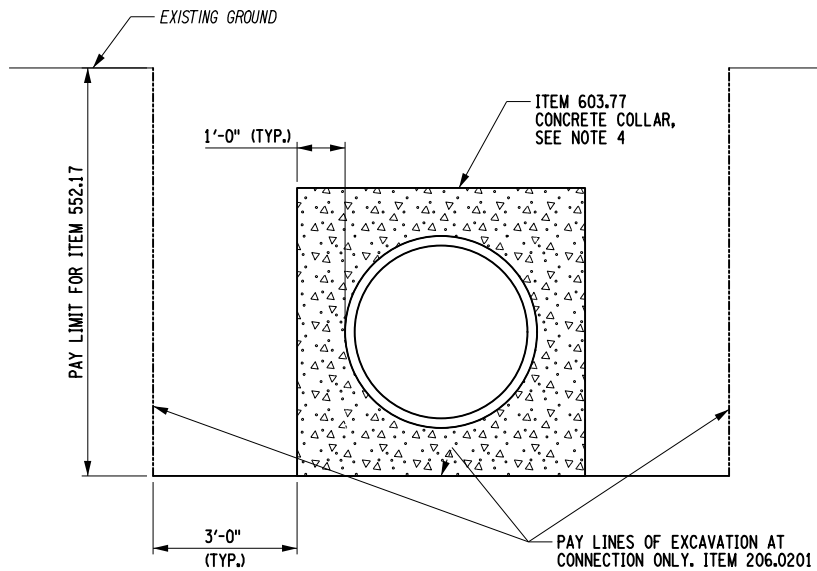
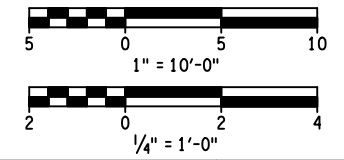


**CULVERT EXTENSION REPLACEMENT SECTION**  
(DRAINAGE STRUCTURE (NOT SHOWN) USED IN LIEU OF CONCRETE COLLAR AT SELECT LOCATIONS)  
NOT TO SCALE

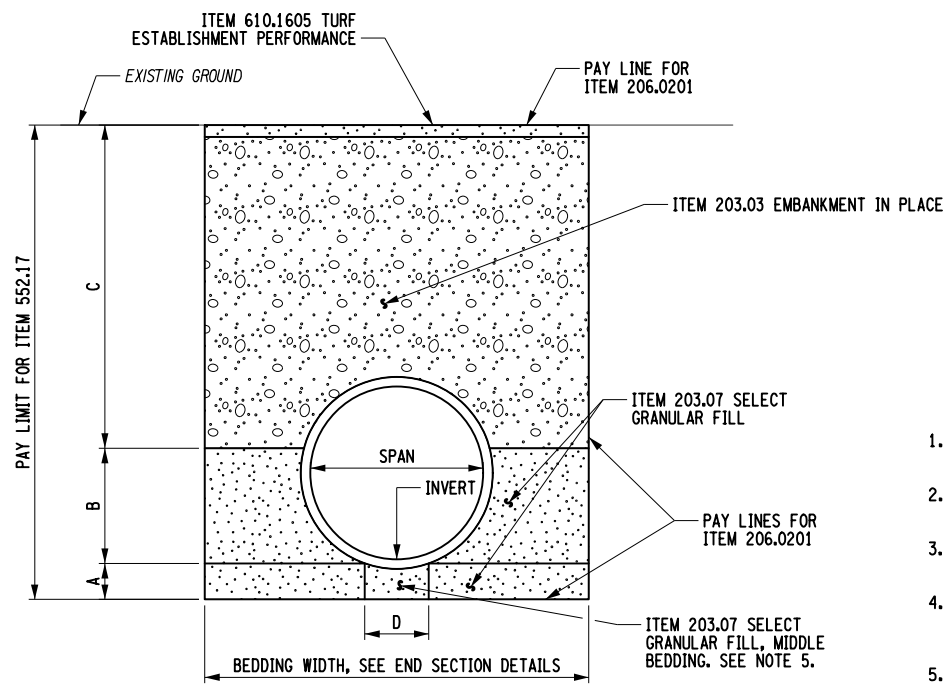


**CULVERT EXTENSION REPLACEMENT PLAN**  
(DRAINAGE STRUCTURE (NOT SHOWN) USED IN LIEU OF CONCRETE COLLAR AT SELECT LOCATIONS)  
SCALE: 1" = 10'-0"

- NOTES:**
1. SEE DRAINAGE TABLE SHEET FOR ITEMS AND QUANTITIES AT EACH EXTENSION REPLACEMENT LOCATION.
  2. COST OF REMOVAL OF END SECTION AND EXISTING CMP TO BE INCLUDED IN ITEM 206.0201.
  3. EXISTING CONCRETE COLLAR REMOVAL TO BE PAID FOR UNDER ITEM 580.01. PROPOSED CONCRETE COLLAR TO BE PAID FOR UNDER ITEM 603.77.
  4. THE HEIGHT OF THE CONCRETE COLLAR ABOVE THE CROWN OF THE NEW PIPE MAY NEED TO BE REDUCED A.O.B.E. FROM THE 12" SHOWN IN THE DETAIL IN ORDER TO ACHIEVE THE MINIMUM DEPTH OF GROUND COVER (3") OVER THE COLLAR.
  5. LOOSELY PLACE SELECT GRANULAR FILL IN MIDDLE BEDDING AREA. DO NOT COMPACT MIDDLE BEDDING AREA.
  6. FOR CUT - OFF WALLS FOR END SECTIONS DIMENSIONS AND DETAILS SEE NYSDOT STANDARD SHEET 603-04.
  7. THE LAST THREE SECTIONS, INCLUDING THE END SECTION, SHALL BE PHYSICALLY LONGITUDINALLY RESTRAINED. THE COST FOR THE RESTRAINT SHALL BE INCLUDED IN THE END SECTION ITEM.



**SECTION B-B**  
SCALE: 1/4" = 1'-0"



**SECTION A-A**  
SCALE: 1/4" = 1'-0"

EXCAVATION AND BACKFILL TABLE							
STRUCTURE MP	STRUCTURE CIN	GENERAL PLAN SHEET	A	B	C Inlet (Max.)	C Outlet (Max.)	D
			FT	FT	FT	FT	FT
485.05	48505001XX	GNP-03	0.5	2.9	-	9.3	1.6
485.00	48500007XX	GNP-90	0.5	2.9	6.9	5.4	1.6
481.55	48155008XX	GNP-20	0.5	3.3	2.8	4.1	1.8
481.53	48153007XX	GNP-20	0.5	2.2	2.9	-	1.2
471.75	47175009XX	GNP-65	0.5	2.9	5.7	-	1.6

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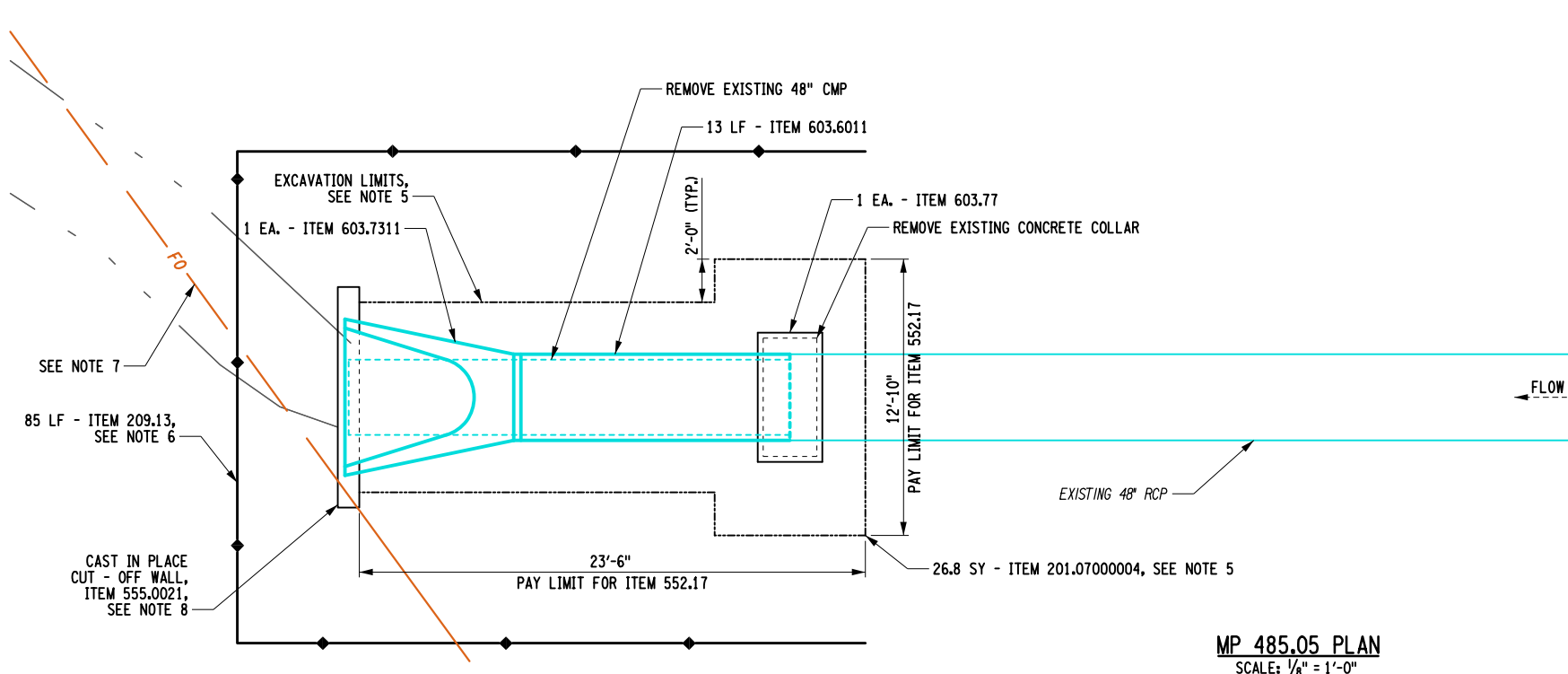
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



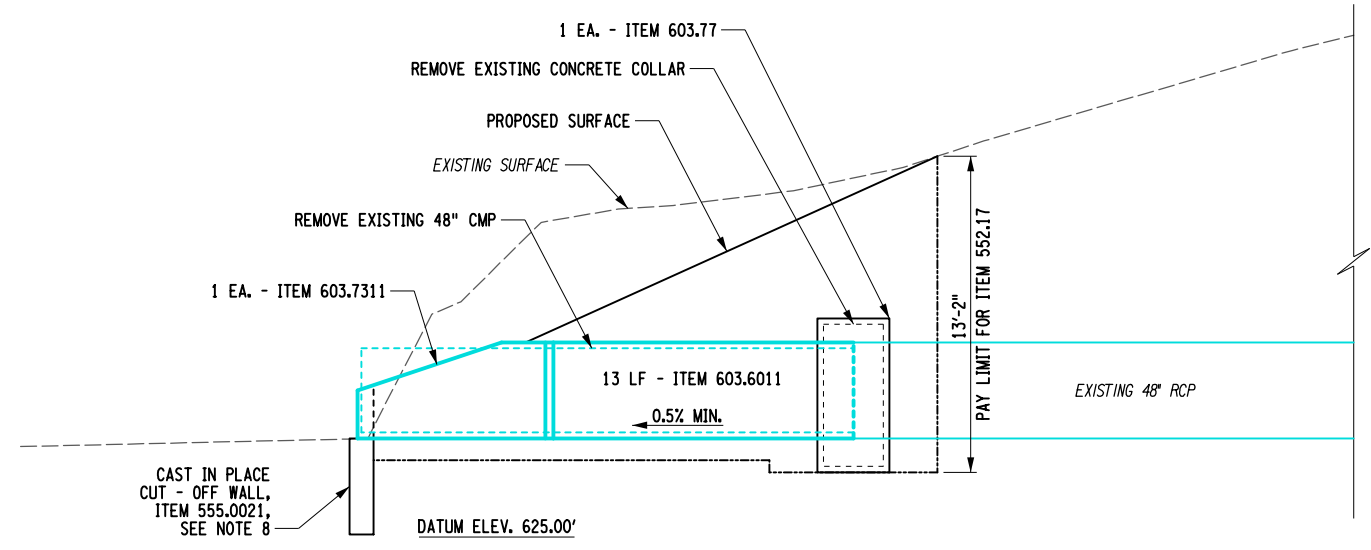
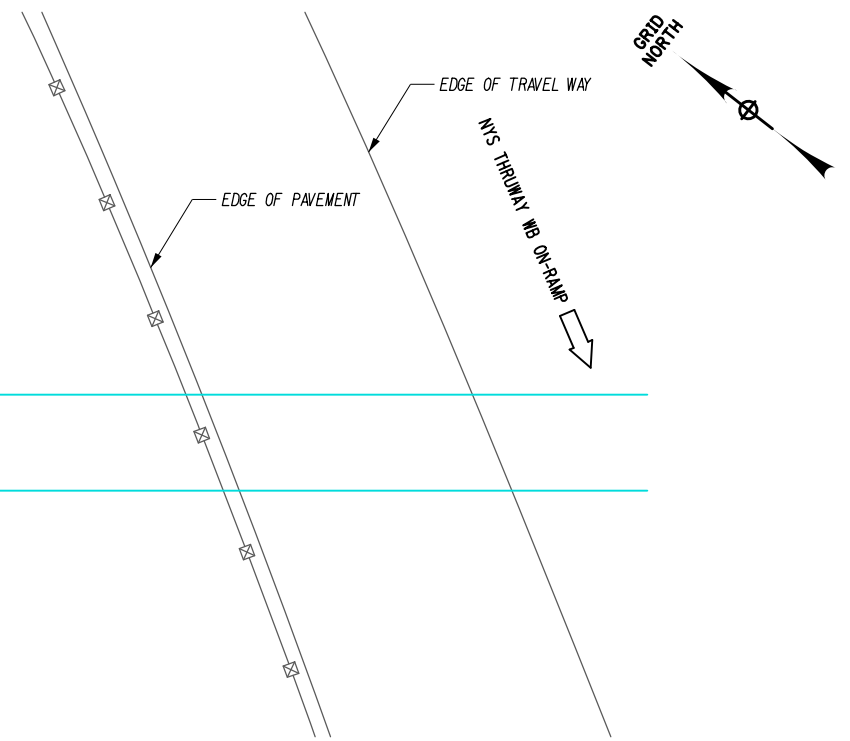
TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING DRAINAGE CULVERT EXTENSION DETAILS	DRAWING NUMBER: DD-2

DESIGNED BY: S. LOFORTE  
CHECKED BY: N. ARTIS  
DRAFTED BY: S. LOFORTE  
CHECKED BY: N. ARTIS  
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5/6/2025  
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Design File  
Plotted:  
5/6/2025

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CHECKED BY: S. LOFORTE  
DRAFTED BY: N. ARTIS  
CHECKED BY: S. LOFORTE  
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Plotted: 5/6/2025



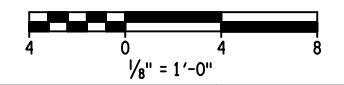
MP 485.05 PLAN  
SCALE: 1/8" = 1'-0"



MP 485.05 ELEVATION  
SCALE: 1/8" = 1'-0"

NOTES:

1. FOR ADDITIONAL DETAILS SEE THE DRAINAGE CULVERT EXTENSION DETAILS SHEET.
2. ALL EXCAVATION WORK SHALL HAVE A SHORING SYSTEM INSTALLED TO PREVENT COLLAPSE.
3. WHERE THE EXCAVATION IS LESS THAN 5'-0" DEEP, EXCAVATION PROTECTION IS NOT NECESSARY A.O.B.E.
4. ALL DIMENSIONS, INVERTS AND EXISTING CONDITIONS NEED TO BE VERIFIED BY THE CONTRACTOR BEFORE STARTING DRAINAGE WORK.
5. THE AREA ENCLOSED WITHIN THE EXCAVATION LIMITS SHALL BE CLEARED AND GRUBBED. THERE ARE SEVERAL TREES THAT HAVE FALLEN ACROSS THE STREAM. THESE TREES SHALL BE REMOVED AND THE COST TO PERFORM THIS WORK SHALL BE INCLUDED IN ITEM 201.07000004.
6. FOR SILT FENCE AND CHECK DAM DETAILS SEE NYSDOT STANDARD SHEETS 209-01 AND 209-02, RESPECTIVELY.
7. THE THRUWAY AUTHORITY'S FIBER OPTIC SYSTEM IS LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT. THE APPROXIMATE LOCATION IS SHOWN IN THE CONTRACT DOCUMENTS. PRIOR TO WORK, THE ONE-CALL NOTIFICATION SYSTEM SERVING THE AREA SHALL BE CONTACTED ACCORDING TO STANDARD SPECIFICATION SECTION 107-07.
8. FOR CUT - OFF WALLS FOR END SECTIONS DIMENSIONS AND DETAILS SEE NYSDOT STANDARD SHEET 603-04.
9. THE LAST THREE SECTIONS, INCLUDING THE END SECTION, SHALL BE PHYSICALLY LONGITUDINALLY RESTRAINED. THE COST FOR THE RESTRAINT SHALL BE INCLUDED IN THE END SECTION ITEM.



ALTERED ON:

AFFIXED ON: 05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

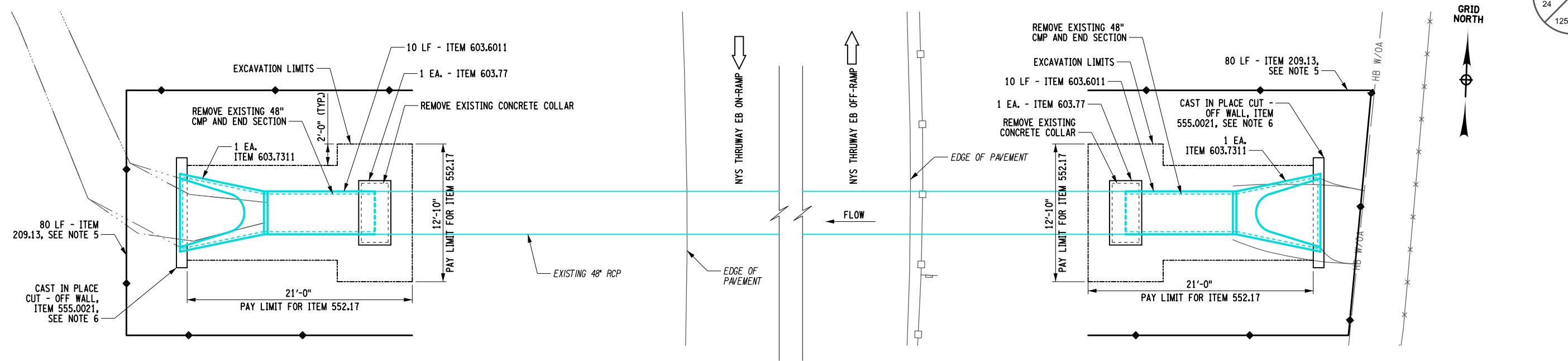
TITLE OF DRAWING  
DRAINAGE  
END SECTION DETAILS  
MP 485.05

CONTRACT NUMBER:  
TAB 25-15

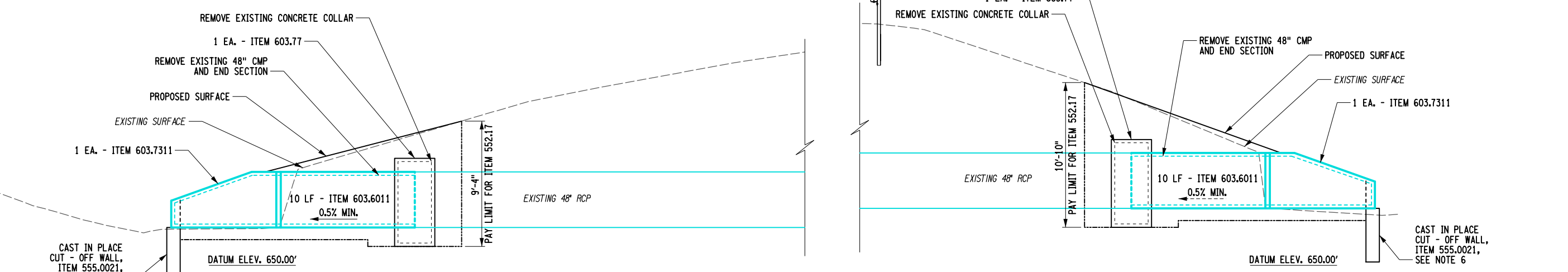
DATE:  
05/09/2025

DRAWING NUMBER:  
DD-3

Plotted By: M510036.coh.drd.485.00.dgn  
Design File: 211447 PM  
Plot Date: 5/6/2025  
Checked By: N. ARTIS  
Drafted By: S. LOFORTE  
Designed By: S. LOFORTE

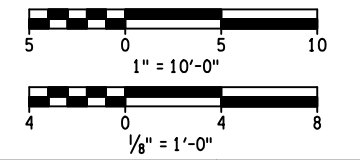


MP 485.00 PLAN  
SCALE: 1" = 10'-0"



MP 485.00 ELEVATION  
SCALE: 1/8" = 1'-0"

- NOTES:
1. FOR ADDITIONAL DETAILS SEE THE DRAINAGE CULVERT EXTENSIONS DETAILS SHEETS.
  2. ALL EXCAVATION WORK SHALL HAVE A SHORING SYSTEM INSTALLED TO PREVENT COLLAPSE.
  3. WHERE THE EXCAVATION IS LESS THAN 5'-0" DEEP, EXCAVATION PROTECTION IS NOT NECESSARY A.O.B.E.
  4. ALL DIMENSIONS, INVERTS AND EXISTING CONDITIONS NEED TO BE VERIFIED BY THE CONTRACTOR BEFORE STARTING DRAINAGE WORK.
  5. FOR SILT FENCE AND CHECK DAM DETAILS SEE NYSDOT STANDARD SHEETS 209-01 AND 209-02, RESPECTIVELY.
  6. FOR CUT - OFF WALLS FOR END SECTIONS DIMENSIONS AND DETAILS SEE NYSDOT STANDARD SHEET 603-04.
  7. THE LAST THREE SECTIONS, INCLUDING THE END SECTION, SHALL BE PHYSICALLY LONGITUDINALLY RESTRAINED. THE COST FOR THE RESTRAINT SHALL BE INCLUDED IN THE END SECTION ITEM.



ALTERED ON: AFFIXED ON: 05/09/2025

STATE OF NEW YORK  
ERIC J. THOMPSON  
LICENSED PROFESSIONAL ENGINEER  
066268

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.

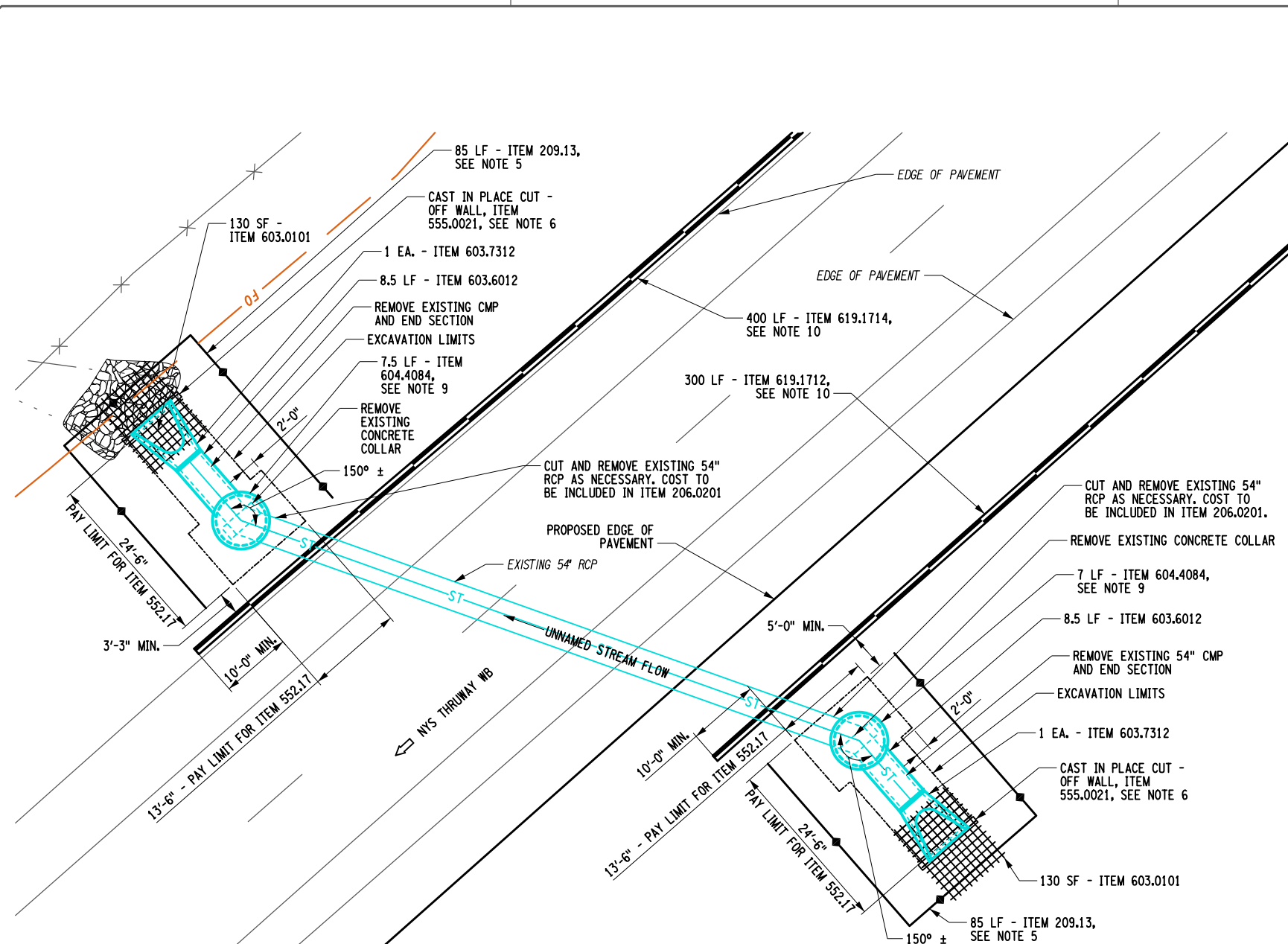
NEW YORK STATE Thruway Authority

POPPI DESIGN GROUP

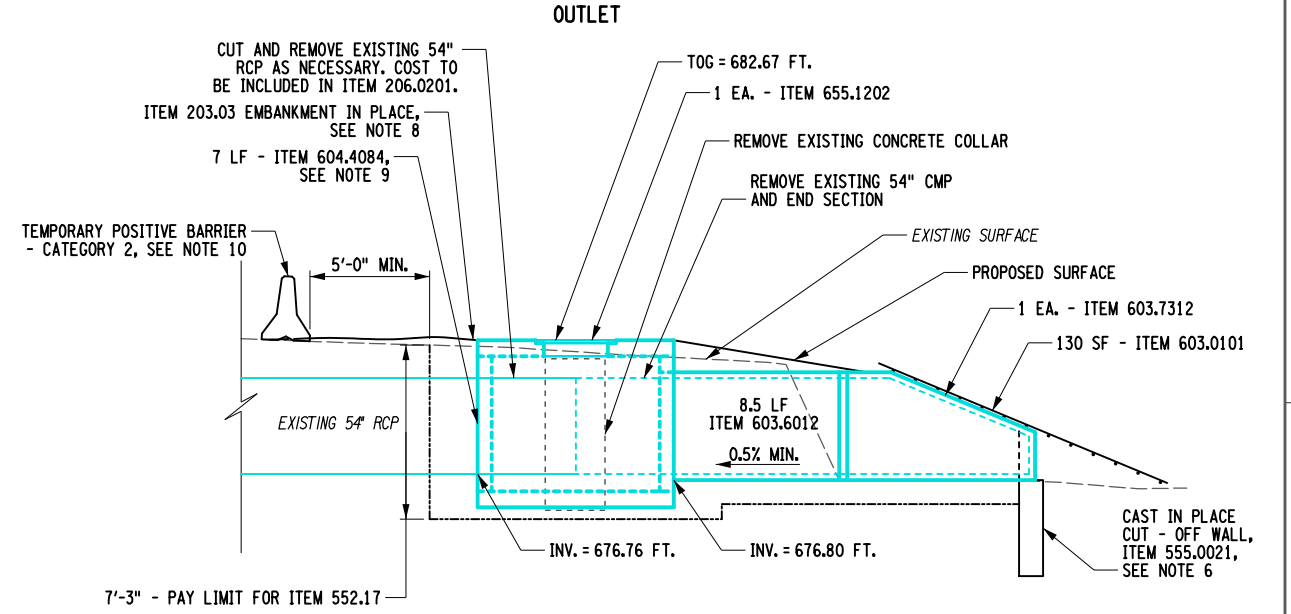
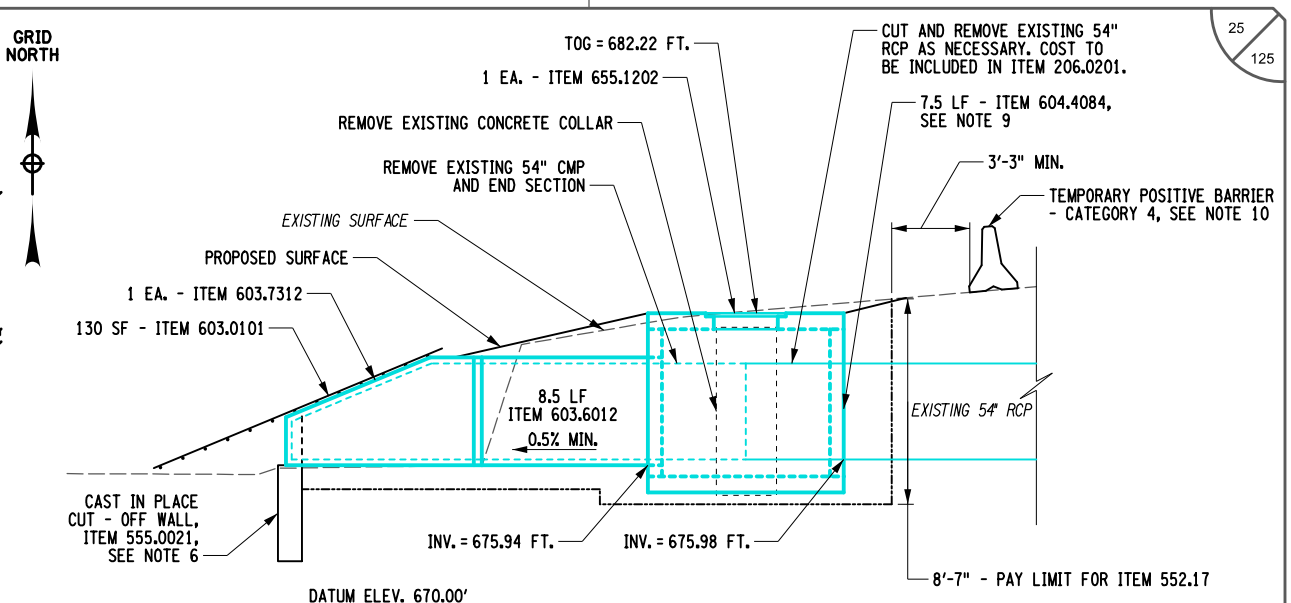
TITLE OF PROJECT: ROADSIDE SAFETY IMPROVEMENTS  
LOCATION OF PROJECT: BUFFALO DIVISION  
MP 467.00 TO MP 485.50  
TITLE OF DRAWING: DRAINAGE  
END SECTION DETAILS  
MP 485.00

CONTRACT NUMBER: TAB 25-15  
DATE: 05/09/2025  
DRAWING NUMBER: DD-4

DESIGNED BY: N. ARTIS  
CHECKED BY: S. LOFORTE  
DRAFTED BY: N. ARTIS  
CHECKED BY: S. LOFORTE  
PLOTTER: D215036.con, dr.d, 481.55.dgn  
5/6/2025 2:14:11 PM



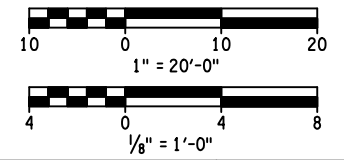
MP 481.55 PLAN  
SCALE: 1" = 20'-0"



INLET  
MP 481.55 ELEVATION  
SCALE: 1/8" = 1'-0"

NOTES:

1. FOR ADDITIONAL DETAILS SEE THE DRAINAGE CULVERT EXTENSION DETAILS SHEET.
2. ALL EXCAVATION WORK SHALL HAVE A SHORING SYSTEM INSTALLED TO PREVENT COLLAPSE.
3. WHERE THE EXCAVATION IS LESS THEN 5'-0" DEEP, EXCAVATION PROTECTION IS NOT NECESSARY A.O.B.E.
4. ALL DIMENSIONS, INVERTS AND EXISTING CONDITIONS NEED TO BE VERIFIED BY THE CONTRACTOR BEFORE STARTING DRAINAGE WORK.
5. FOR SILT FENCE AND CHECK DAM DETAILS SEE NYSDOT STANDARD SHEETS 209-01 AND 209-02, RESPECTIVELY.
6. FOR CUT - OFF WALLS FOR END SECTIONS DIMENSIONS AND DETAILS SEE NYSDOT STANDARD SHEET 603-04.
7. THE LAST THREE SECTIONS, INCLUDING THE END SECTION, SHALL BE PHYSICALLY LONGITUDINALLY RESTRAINED. THE COST FOR THE RESTRAINT SHALL BE INCLUDED IN THE END SECTION ITEM.
8. PROVIDE EMBANKMENT IN PLACE AS NECESSARY OVER EXISTING GROUND TO ACHIEVE A FLUSH FINISH BETWEEN THE EDGE OF THE DRAINAGE STRUCTURE AND THE FINISHED GROUND LINE.
9. ALL INVERT ELEVATIONS ARE ESTIMATES. INVERT ELEVATIONS SHOULD BE FIELD-VERIFIED AND CORRECTED AS NECESSARY. A FORMED INVERT SHOULD BE PROVIDED FOR EACH DRAINAGE STRUCTURE IN ACCORDANCE WITH NYSDOT STANDARD SHEET 604-02.
10. SEE DWG. NO. WZTC-01 FOR THE WORK ZONE TRAFFIC CONTROL PLAN.



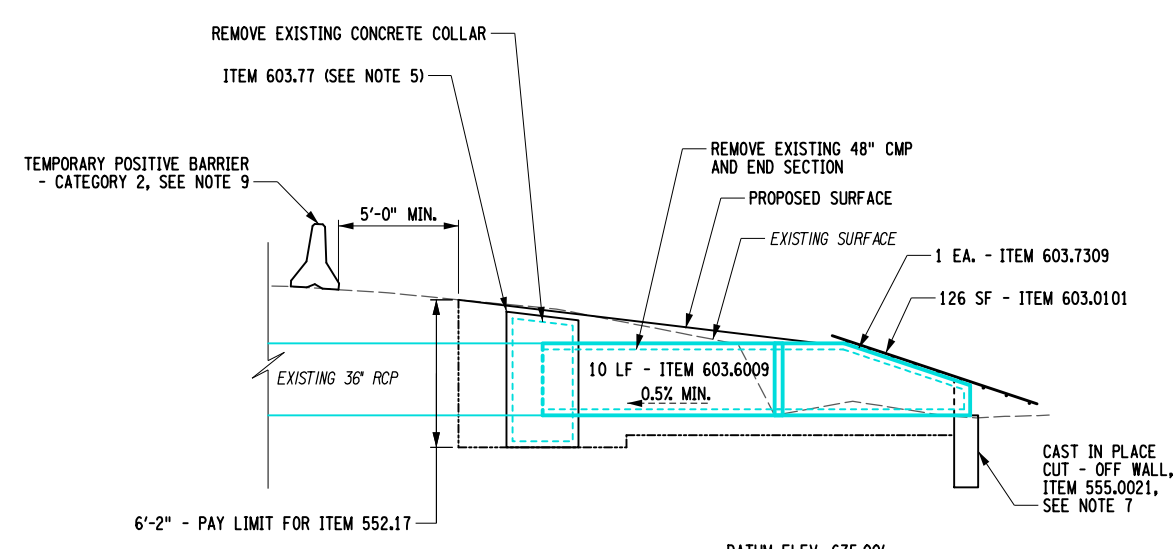
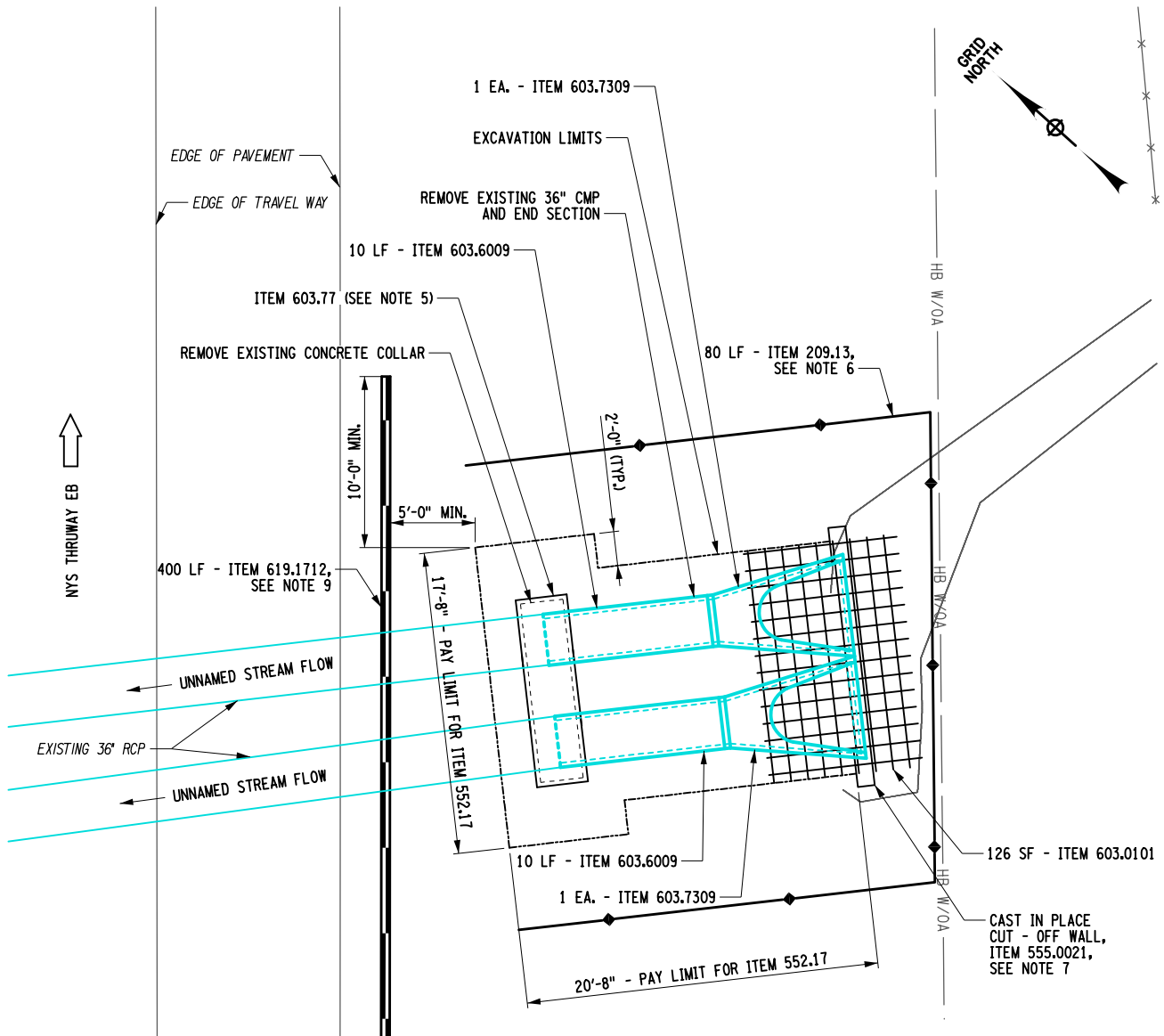
ALTERED ON: AFFIXED ON: 05/09/2025

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.

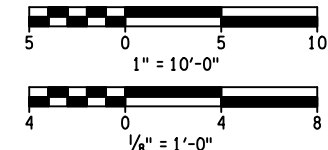
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING DRAINAGE END SECTION DETAILS MP 481.55	DRAWING NUMBER: DD-5

DESIGNED BY: N. ARTIS  
CHECKED BY: S. LOFORTE  
DRAFTED BY: N. ARTIS  
CHECKED BY: S. LOFORTE  
PLOTTER: D215036.coh.drd.481.53.dgn  
5/6/2025 2:13:36 PM  
DESIGN SUPERVISOR:



- NOTES:
- FOR ADDITIONAL DETAILS SEE THE DRAINAGE CULVERT EXTENSIONS DETAILS SHEET.
  - ALL EXCAVATION WORK SHALL HAVE A SHORING SYSTEM INSTALLED TO PREVENT COLLAPSE.
  - WHERE THE EXCAVATION IS LESS THAN 5'-0" DEEP, EXCAVATION PROTECTION IS NOT NECESSARY A.O.B.E.
  - ALL DIMENSIONS, INVERTS AND EXISTING CONDITIONS NEED TO BE VERIFIED BY THE CONTRACTOR BEFORE STARTING DRAINAGE WORK.
  - MP 481.53 CONSISTS OF TWIN PIPES. THE EXISTING SPACING OF THE PIPES SHALL BE MAINTAINED. A SINGLE COLLAR MAY BE PLACED A.O.B.E. AND PAYMENT WILL BE MADE TWICE UNDER ITEM 603.77.
  - FOR SILT FENCE DETAILS SEE NYSDOT STANDARD SHEET 209-01.
  - FOR CUT - OFF WALLS FOR END SECTIONS DIMENSIONS AND DETAILS SEE NYSDOT STANDARD SHEET 603-04.
  - THE LAST THREE SECTIONS, INCLUDING THE END SECTION, SHALL BE PHYSICALLY LONGITUDINALLY RESTRAINED. THE COST FOR THE RESTRAINT SHALL BE INCLUDED IN THE END SECTION ITEM.
  - SEE DWG. NO. W2TC-02 FOR THE WORK ZONE TRAFFIC CONTROL PLAN.



ALTERED ON:

AFFIXED ON: 05/09/2025

STATE OF NEW YORK  
ERIC J. THOMPSON  
LICENSED PROFESSIONAL ENGINEER  
066268

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.

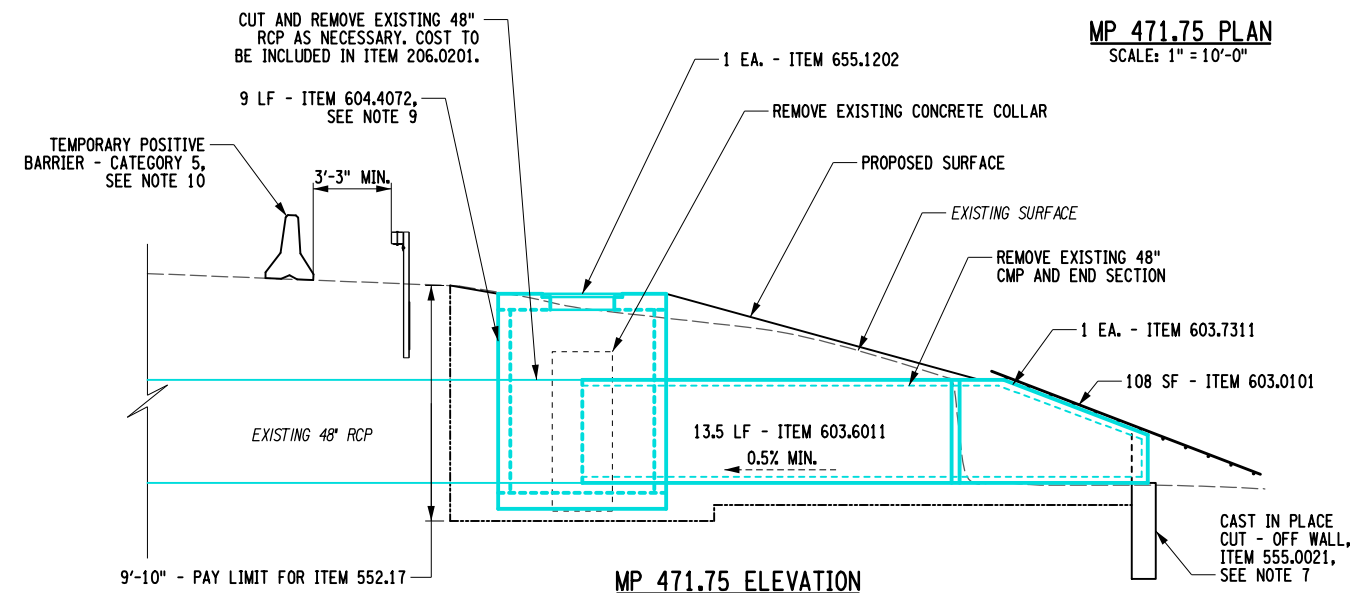
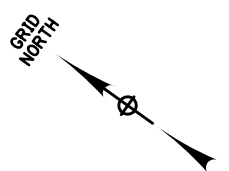
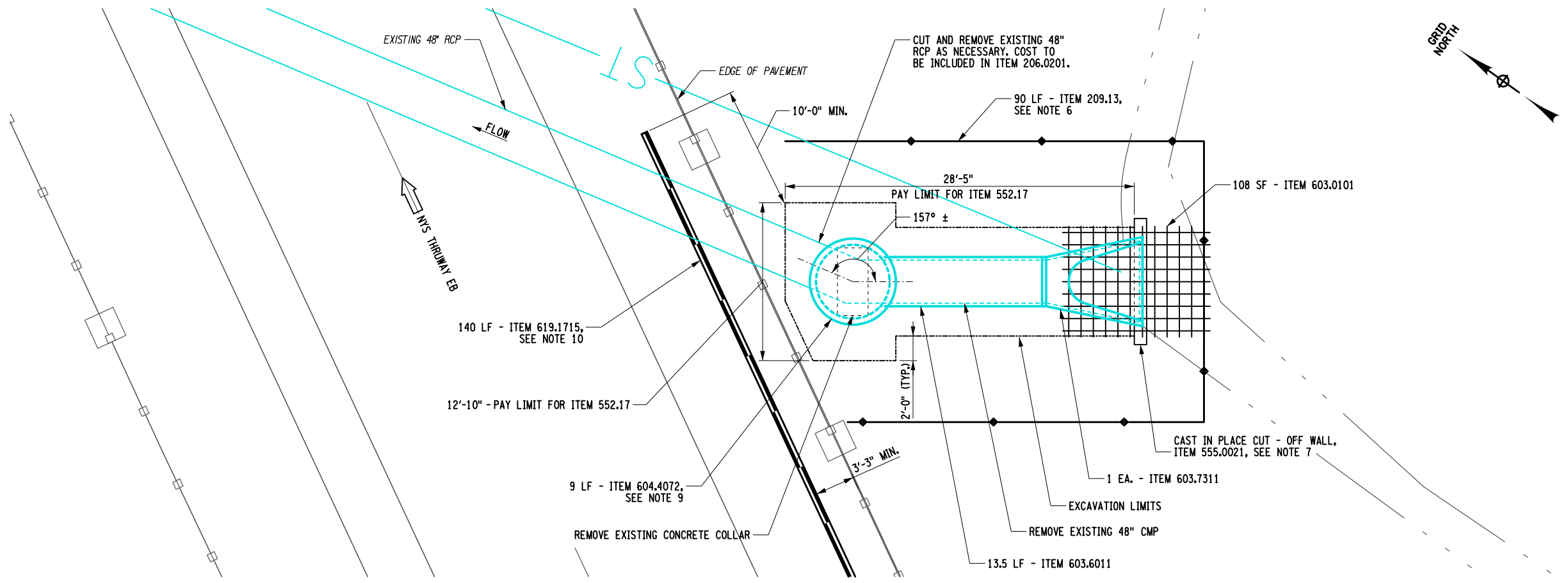
NEW YORK STATE Thruway Authority

POPPI DESIGN GROUP

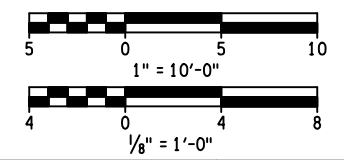
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LOCATION OF PROJECT: BUFFALO DIVISION MP 467.00 TO MP 485.50  
TITLE OF DRAWING: DRAINAGE END SECTION DETAILS MP 481.53

CONTRACT NUMBER: TAB 25-15  
DATE: 05/09/2025  
DRAWING NUMBER: DD-6

DESIGNED BY: S. LOFORTE  
CHECKED BY: N. ARTIS  
DRAFTED BY: S. LOFORTE  
CHECKED BY: N. ARTIS  
Plotted By: D215036.coh.drd, 471.75.dgn, 5/6/2025, 2:11:07 PM  
DESIGN SUPERVISOR:



- NOTES:**
1. NO SURVEY WAS PROVIDED FOR THIS LOCATION. THE PIPE LOCATION AND ALL DIMENSIONS ARE APPROXIMATE. TOP OF GRADE AND INVERT ELEVATIONS SHOULD BE DETERMINED IN THE FIELD.
  2. FOR ADDITIONAL DETAILS SEE THE DRAINAGE CULVERT EXTENSION DETAILS SHEET
  3. ALL EXCAVATION WORK SHALL HAVE A SHORING SYSTEM INSTALLED TO PREVENT COLLAPSE.
  4. WHERE THE EXCAVATION IS LESS THAN 5'-0" DEEP, EXCAVATION PROTECTION IS NOT NECESSARY A.O.B.E.
  5. ALL DIMENSIONS, INVERTS AND EXISTING CONDITIONS NEED TO BE VERIFIED BY THE CONTRACTOR BEFORE STARTING DRAINAGE WORK.
  6. FOR SILT FENCE DETAILS SEE NYSDOT STANDARD SHEET 209-01.
  7. FOR CUT - OFF WALLS FOR END SECTIONS DIMENSIONS AND DETAILS SEE NYSDOT STANDARD SHEET 603-04.
  8. THE LAST THREE SECTIONS, INCLUDING THE END SECTION, SHALL BE PHYSICALLY LONGITUDINALLY RESTRAINED. THE COST FOR THE RESTRAINT SHALL BE INCLUDED IN THE END SECTION ITEM.
  9. A FORMED INVERT SHOULD BE PROVIDED FOR EACH DRAINAGE STRUCTURE IN ACCORDANCE WITH NYSDOT STANDARD SHEET 604-02.
  10. SEE DWG. NO. WZTC-02 FOR THE WORK ZONE TRAFFIC CONTROL PLAN.



ALTERED ON: \_\_\_\_\_ AFFIXED ON: 05/09/2025

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.

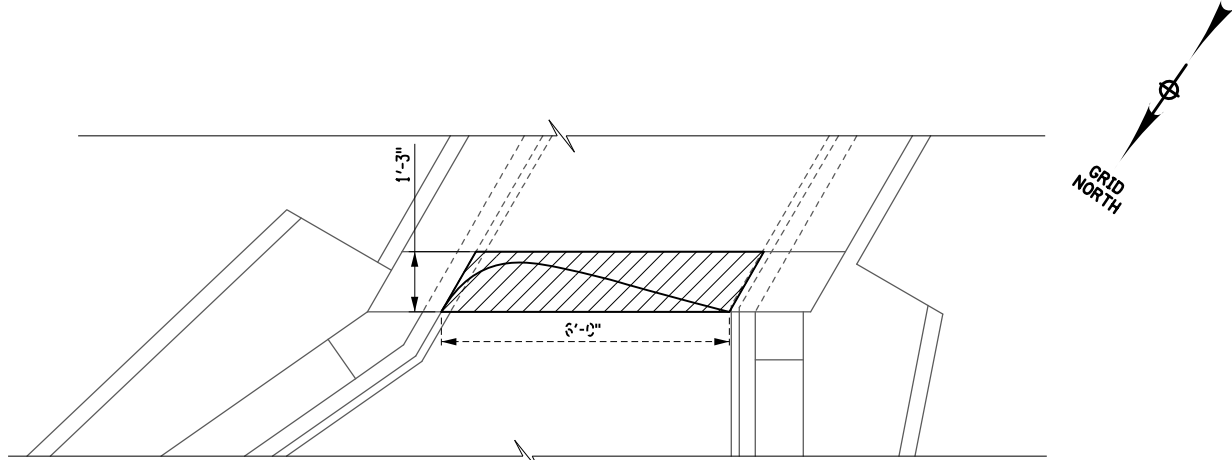
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING DRAINAGE END SECTION DETAILS MP 471.75	DRAWING NUMBER: DD-7

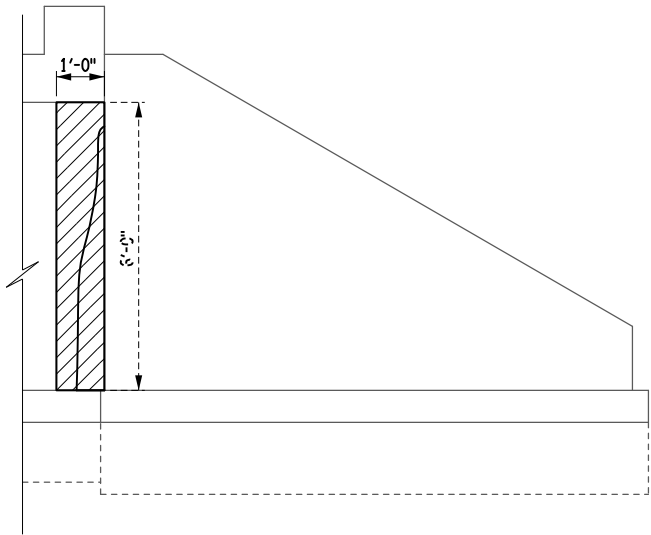
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DATE:	05/09/2023
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Plotted By: M. Thompson  
Design File: D215036.con.dwg  
Plotted: 5/6/2025 2:12:48 PM  
Checked By: S. Loforte  
Drafted By: N. Artis

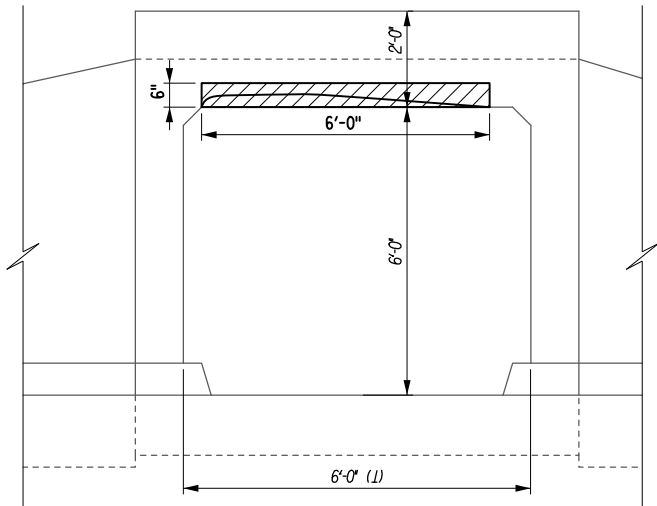
DESIGNED BY: N. ARTIS  
DESIGN SUPERVISOR:



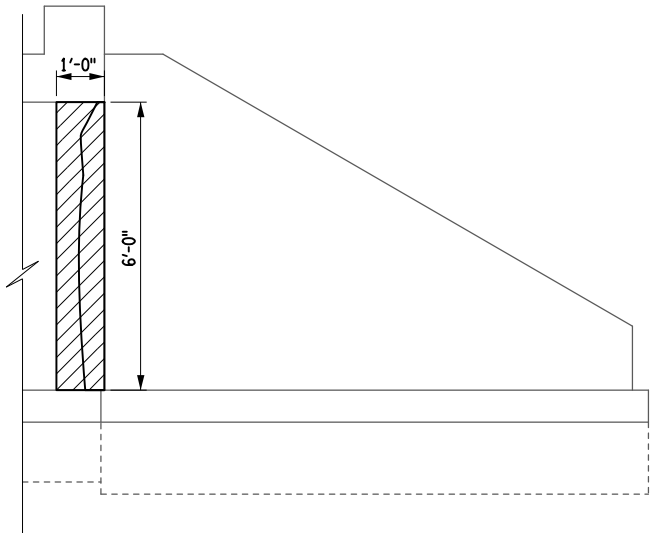
OUTLET PLAN



SOUTHWEST WINGWALL ELEVATION



OUTLET ELEVATION



NORTHWEST WINGWALL ELEVATION

MP 476.88  
SCALE: 1/4" = 1'-0"

LEGEND

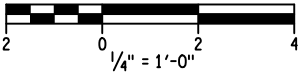


ITEM 582.0051 - REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE (SEE NOTE 2)

CONCRETE REPAIR		
MP	LOCATION	ITEM 582.0051
476.88	CULVERT INLET	0.11 CY
476.88	CULVERT OUTLET	0.25 CY
476.88	CULVERT BARREL	0.00 CY
TOTAL		0.36 CY

NOTES:

1. THERE IS EXISTING REINFORCEMENT LOCATED IN ALL REGIONS OF THE PROPOSED CONCRETE REPAIRS.
2. THE "SECTION A-A, FOR REGIONS WITH EXISTING REINFORCEMENT" DETAIL ON THE CONCRETE REPAIR DETAILS SHEET SHALL BE USED FOR ALL CONCRETE REPAIR LOCATIONS.



ALTERED ON:

AFFIXED ON: 05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

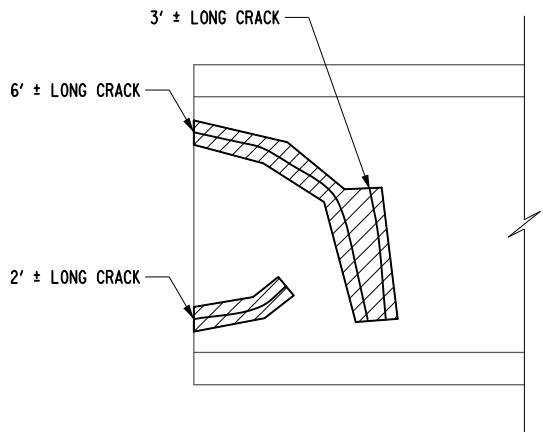


TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING DRAINAGE CONCRETE REPAIR DETAIL MP 476.88	DRAWING NUMBER: DD-9

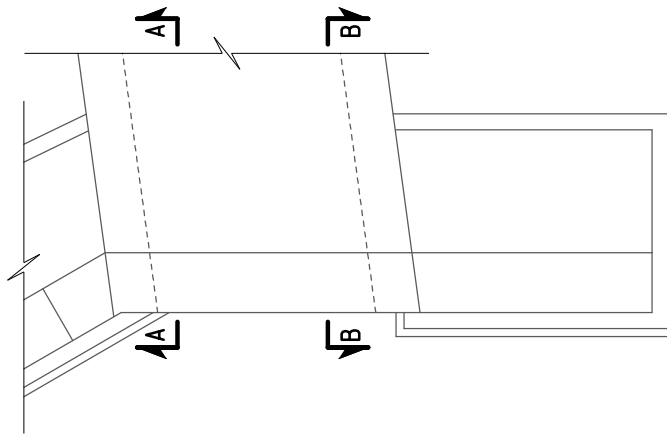
Plotted By: M.Torres  
Design File: D215036.con.dwg  
Plotted: 5/6/2025 2:12:26 PM  
Checked By: S. LOFORTE  
Drafted By: N. ARTIS

DESIGNED BY: N. ARTIS  
DESIGN SUPERVISOR:

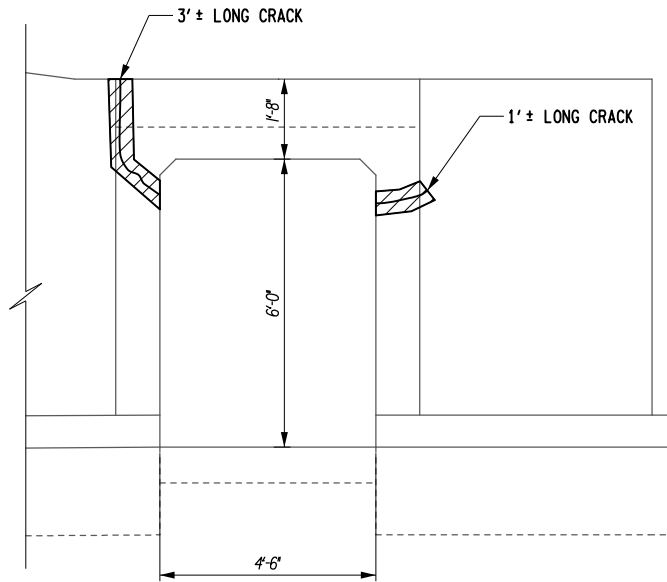
CHECKED BY: S. LOFORTE  
DRAFTED BY: N. ARTIS



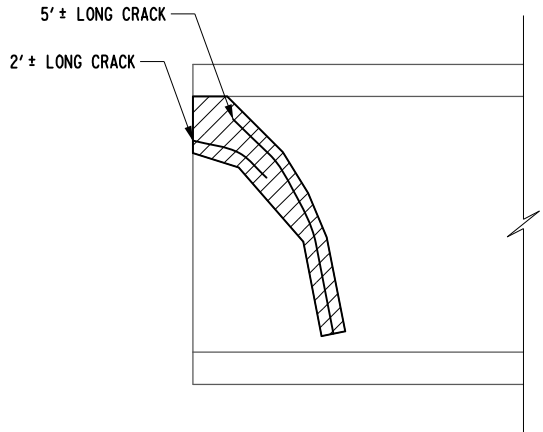
NORTH WALL LONGITUDINAL SECTION A-A



INLET PLAN



INLET ELEVATION



SOUTH WALL LONGITUDINAL SECTION B-B

MP 475.35  
SCALE: 1/4" = 1'-0"

LEGEND

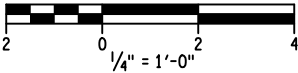


ITEM 582.0051 - REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE (SEE NOTE 2)

CONCRETE REPAIR		
MP	LOCATION	ITEM 582.0051
475.35	CULVERT INLET	0.04 CY
475.35	CULVERT OUTLET	0.00 CY
475.35	CULVERT BARREL	0.19 CY
TOTAL		0.23 CY

NOTES:

1. THERE IS EXISTING REINFORCEMENT LOCATED IN ALL REGIONS OF THE PROPOSED CONCRETE REPAIRS.
2. THE "SECTION A-A, FOR REGIONS WITH EXISTING REINFORCEMENT" DETAIL ON THE CONCRETE REPAIR DETAILS SHEET SHALL BE USED FOR ALL CONCRETE REPAIR LOCATIONS.



ALTERED ON:	AFFIXED ON: 05/09/2025

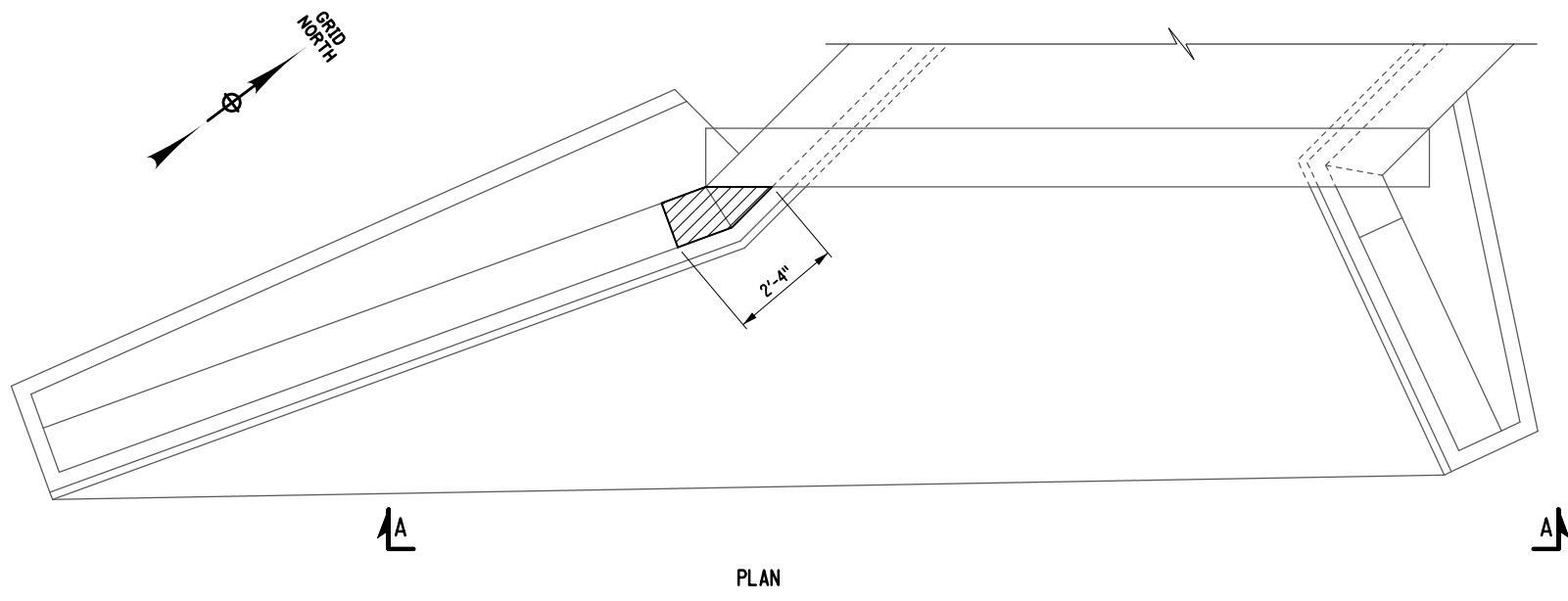
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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.



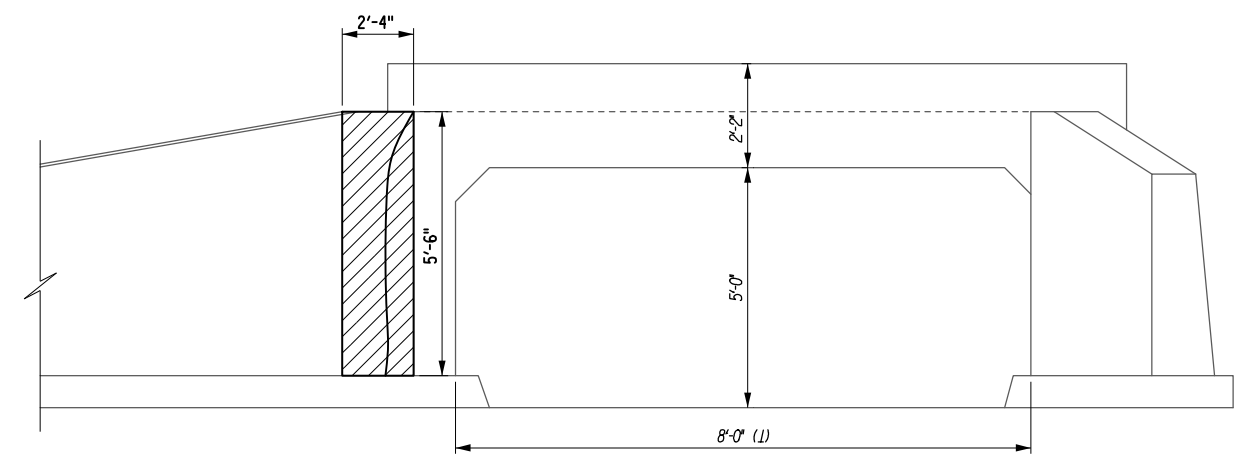
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LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING DRAINAGE CONCRETE REPAIR DETAIL MP 475.35	DRAWING NUMBER: DD-10

DESIGNED BY: N. ARTIS  
CHECKED BY: S. LOFORTE  
DRAFTED BY: N. ARTIS  
CHECKED BY: S. LOFORTE  
PLOTTED BY: S. LOFORTE  
D215036.con.drd.473.36.dgn  
5/6/2025 2:11:57 PM

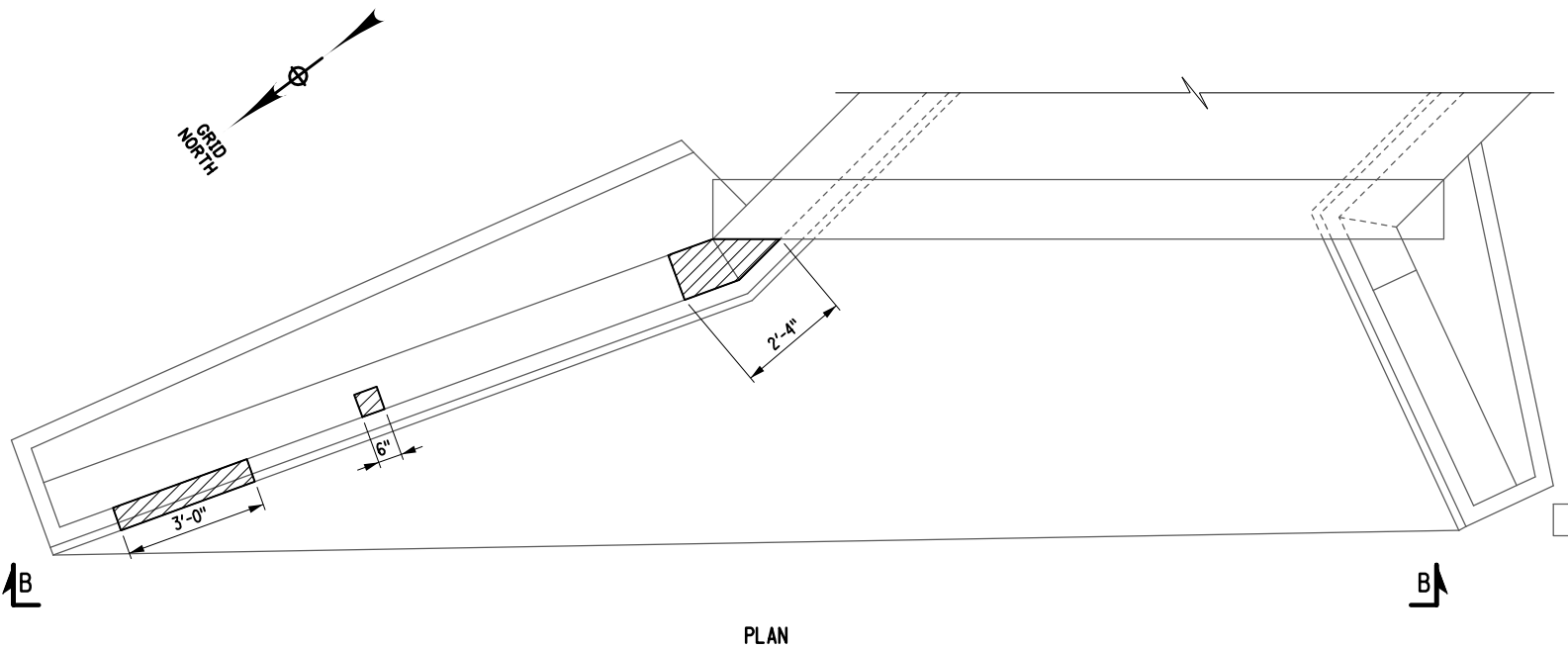


PLAN

MP 473.36 INLET  
SCALE: 1/4" = 1'-0"

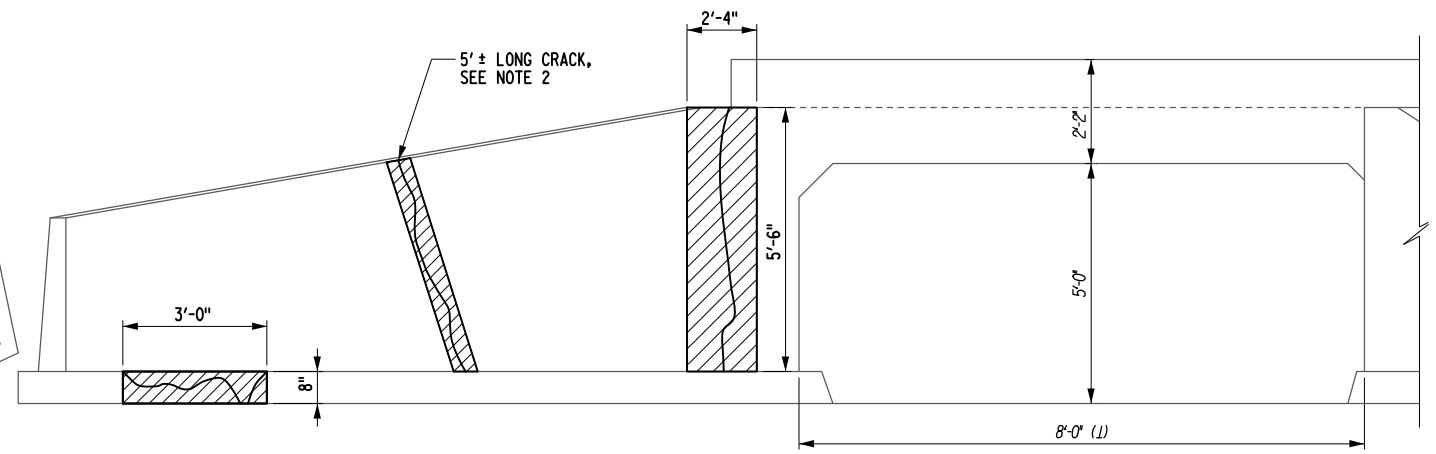


ELEVATION A-A



PLAN

MP 473.36 OUTLET  
SCALE: 1/4" = 1'-0"



ELEVATION B-B

NOTES:

1. THE EXISTING WINGWALLS AT MP 473.36 ARE GRAVITY WALLS AND DO NOT CONTAIN REINFORCEMENT. SEE DWG. DD-8 & DD-12 FOR REINFORCEMENT DETAILS
2. THE "SECTION A-A, FOR REGIONS WITHOUT EXISTING REINFORCEMENT" DETAIL ON THE CONCRETE REPAIR DETAILS SHEET SHALL BE USED FOR ALL CONCRETE REPAIR LOCATIONS AT MP 473.36.

ALTERED ON:

AFFIXED ON: 05/09/2025

STATE OF NEW YORK  
ERIC J. THOMPSON  
LICENSED PROFESSIONAL ENGINEER  
066268

LEGEND

ITEM 582.0051 - REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE (SEE NOTE 2)

CONCRETE REPAIR		
MP	LOCATION	ITEM 582.0051
473.36	CULVERT INLET	0.44 CY
473.36	CULVERT OUTLET	0.35 CY
473.36	CULVERT BARREL	0.00 CY
TOTAL		0.79 CY

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE  
Thruway Authority

POPPI DESIGN GROUP

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

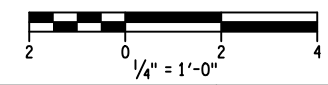
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
DRAINAGE  
CONCRETE REPAIR DETAIL  
MP 473.36

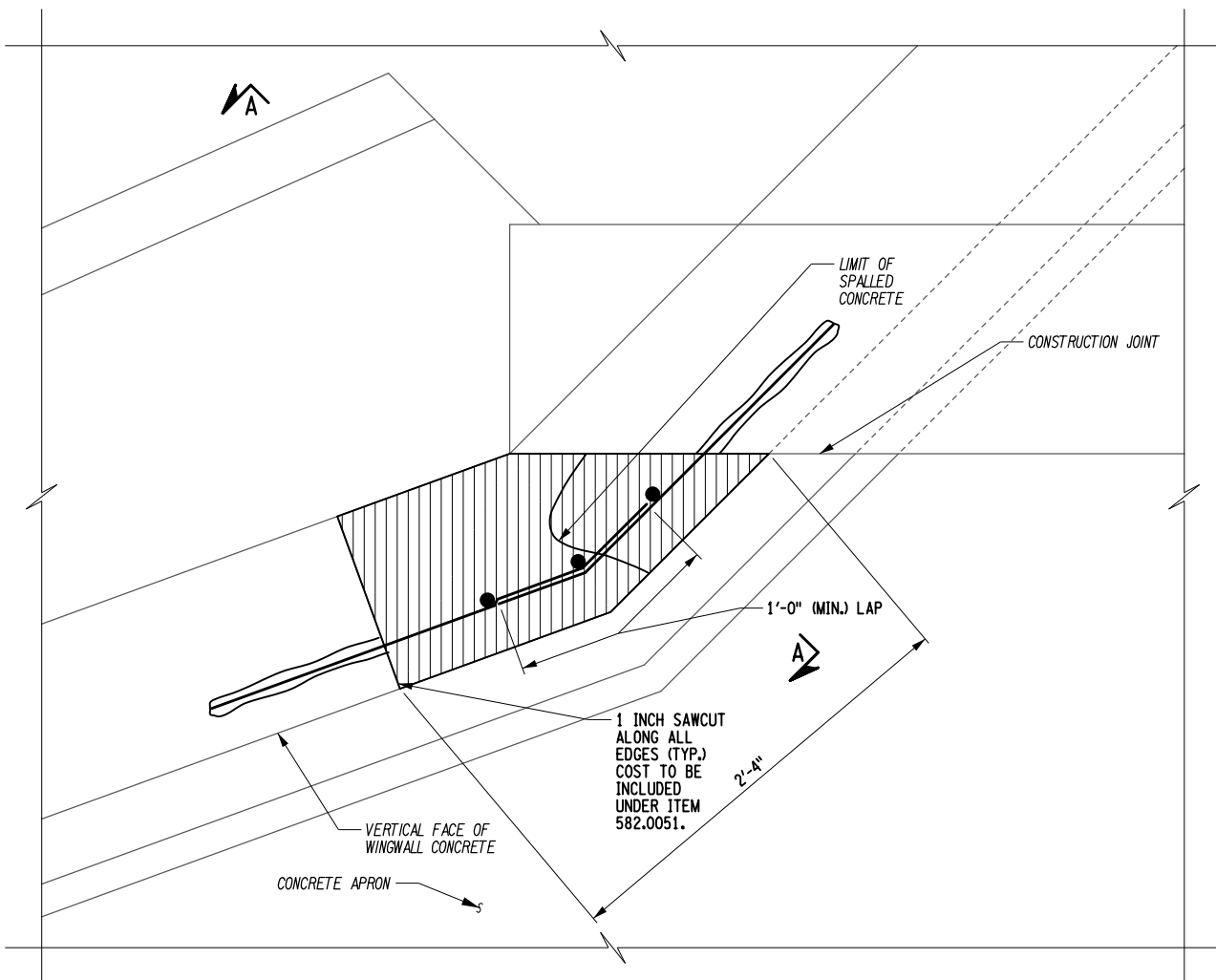
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TAB 25-15

DATE:  
05/09/2025

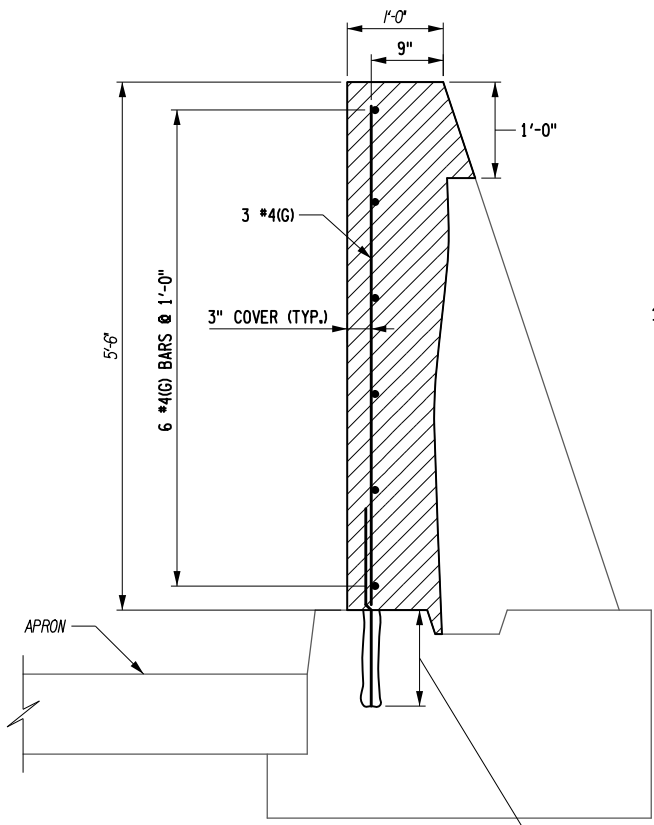
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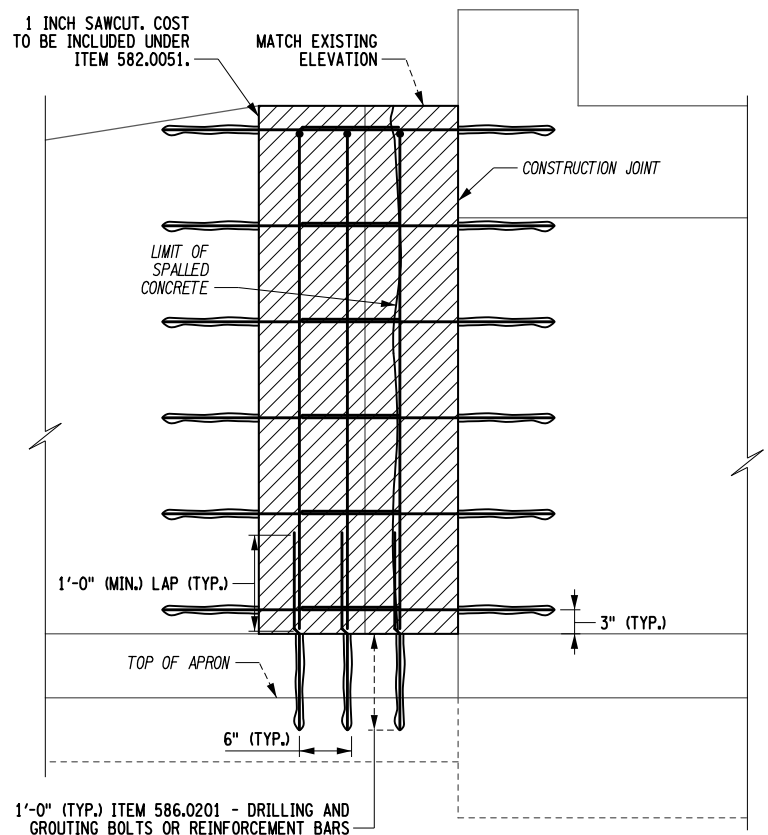
DESIGNED BY: S. LOFORTE  
CHECKED BY: N. ARTIS  
DRAFTED BY: S. LOFORTE  
CHECKED BY: N. ARTIS  
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5/6/2025 2:15:56 PM  
DESIGNED BY: S. LOFORTE  
CHECKED BY: N. ARTIS  
DRAFTED BY: S. LOFORTE  
CHECKED BY: N. ARTIS



INLET PLAN VIEW (OUTLET SIMILAR)  
NOT TO SCALE



SECTION A-A  
NOT TO SCALE



INLET ELEVATION (OUTLET SIMILAR)  
NOT TO SCALE

NOTES:

1. THE MINIMUM DEPTH OF REMOVAL SHALL NOT BE LESS THAN 6" FROM THE VERTICAL FACE OF THE CONCRETE WINGWALL OR TO SOUND CONCRETE, WHICHEVER IS GREATER.
2. REFER TO THE CONCRETE REPAIR DETAILS SHEET FOR ADDITIONAL CONCRETE REPAIR NOTES.

ALTERED ON: AFFIXED ON: 05/09/2025

**LEGEND**

ITEM 582.0051 - REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE

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 ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING DRAINAGE GRAVITY WINGWALL DETAILS MP 473.36	DRAWING NUMBER: DD-12

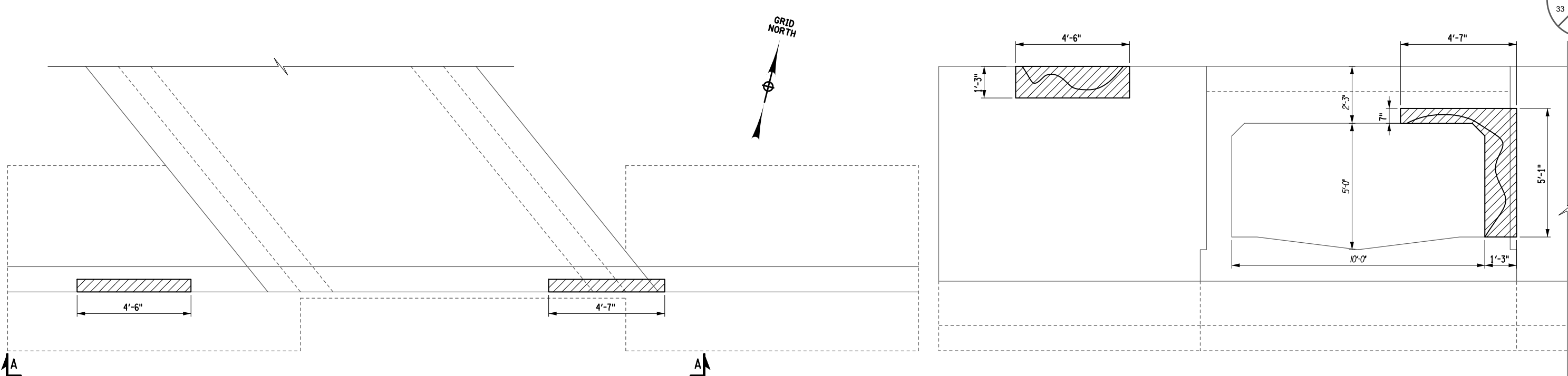
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CHECKED BY: S. LOFORTE

DRAFTED BY: N. ARTIS

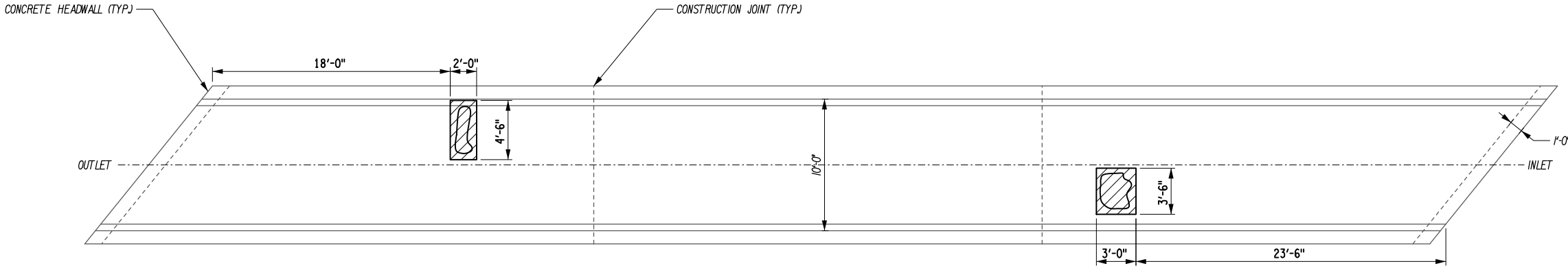
DESIGNED BY: N. ARTIS

DESIGN SUPERVISOR:



MP 467.33 INLET PLAN  
SCALE: 1/4" = 1'-0"

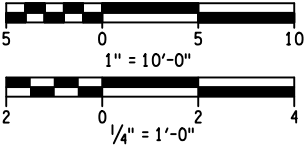
MP 467.33 INLET ELEVATION A-A  
SCALE: 1/4" = 1'-0"



MP 467.33 LONGITUDINAL SECTION CEILING SLAB  
SCALE: 1"=10'-0"

NOTES:

1. THE EXISTING WINGWALLS AT MP 467.33 CONTAIN EXISTING REINFORCEMENT.
2. THE "SECTION A-A, FOR REGIONS WITH EXISTING REINFORCEMENT" DETAIL ON THE CONCRETE REPAIR DETAILS SHEET SHALL BE USED FOR ALL CONCRETE REPAIR LOCATIONS AT MP 467.33.



ALTERED ON:

AFFIXED ON: 05/09/2025

LEGEND

ITEM 582.0051 - REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE (SEE NOTE 2)

CONCRETE REPAIR		
MP	LOCATION	ITEM 582.0051
467.33	CULVERT INLET	0.25 CY
467.33	CULVERT OUTLET	0.00 CY
467.33	CULVERT BARREL	0.36 CY
TOTAL		0.61 CY

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING DRAINAGE CONCRETE REPAIR DETAIL MP 467.33	DRAWING NUMBER: DD-13

DESIGN SUPERVISOR: E. THOMPSON

TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS		CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50		DATE: 05/09/2025
TITLE OF DRAWING DRAINAGE DRIVEWAY CULVERT MP 478.37		DRAWING NUMBER: DD-14

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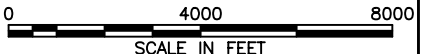
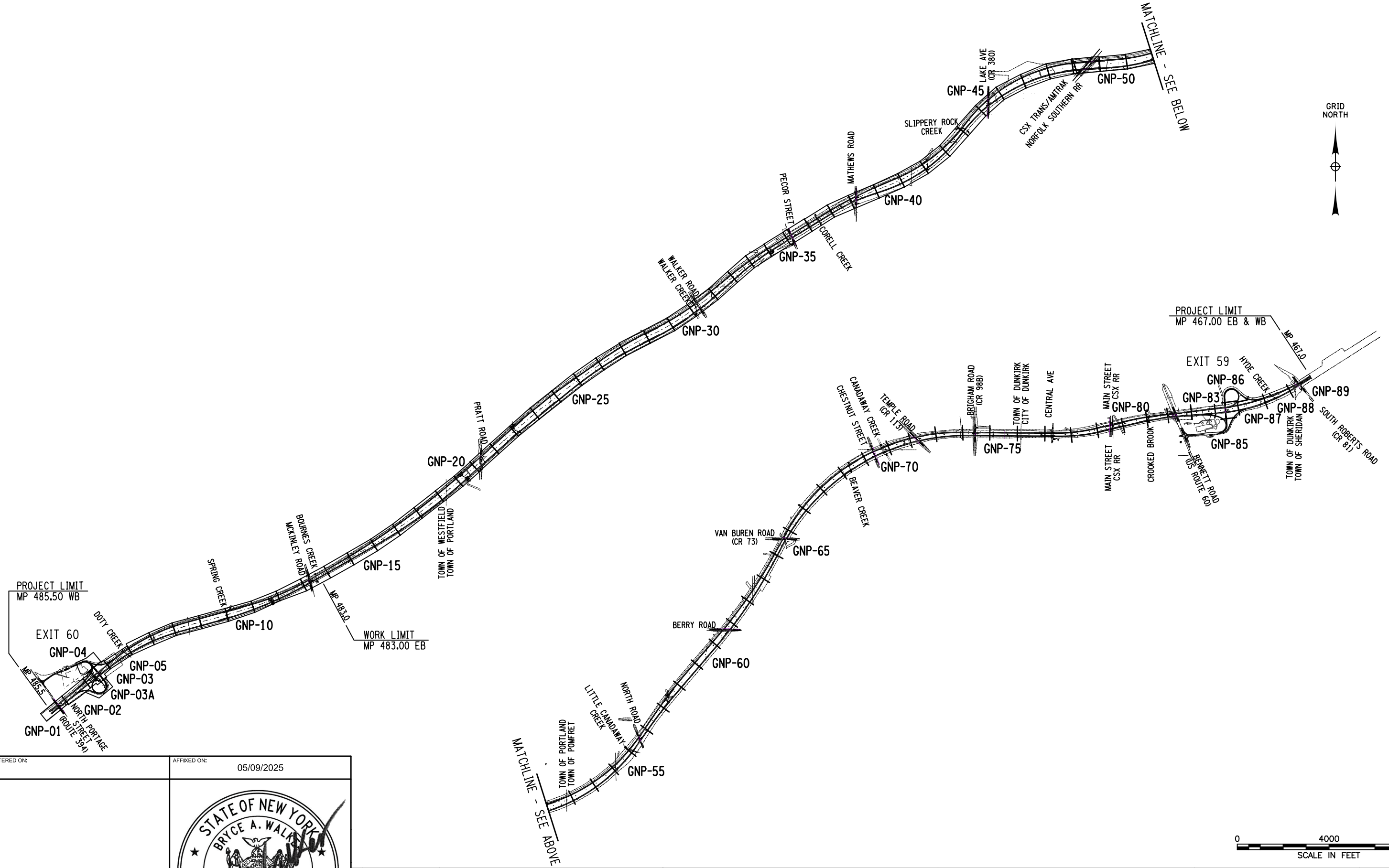
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER



DESIGN SUPERVISOR: J. HOFMANN



ALTERED ON:	AFFIXED ON: 05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING KEY PLAN	DRAWING NUMBER: KEY-1

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Checked By: J. JOHNS  
8/25/2025 8:25:53 AM

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

ALTERED ON:

AFFIXED ON:  
05/09/2025

STATE OF NEW YORK  
BRYCE A. WALKER  
LICENSED PROFESSIONAL ENGINEER  
079340

GENERAL ROADWAY PLAN NOTES:

- PROJECT / WORK LIMITS FOR EASTBOUND ARE MP 467.0 TO MP 483.0, AND WESTBOUND ARE MP 467.0 TO MP 485.5.
- LOCATION OF FIBER OPTIC CONDUIT IS APPROXIMATE AND WAS LOCATED FROM RECORD PLANS.
- INFORMATION REGARDING THE MAINTENANCE OF EXISTING ROADSIDE SIGNS, DELINEATORS AND MARKERS IS INCLUDED IN NYSDOT STANDARD SPEC 619-3.02D: MILEPOST AND TENTH-MILEPOST MARKERS SHALL BE MAINTAINED AT ALL TIMES DURING ALL STAGES OF WORK. WHERE WORK OPERATIONS REQUIRE TEMPORARY RELOCATION OF THESE MARKERS, THEY SHALL BE PLACED ADJACENT TO THE WORK AREA WITHIN VIEW OF THE TRAVELED WAY. UPON COMPLETION OF THE WORK OPERATIONS, OR AS DIRECTED BY THE ENGINEER, THE MARKERS SHALL BE RESET OR REPLACED IN THEIR ORIGINAL POSITION. THE RELOCATION AND RESETTING OF THESE MARKERS SHALL BE AT NO COST TO THE AUTHORITY.

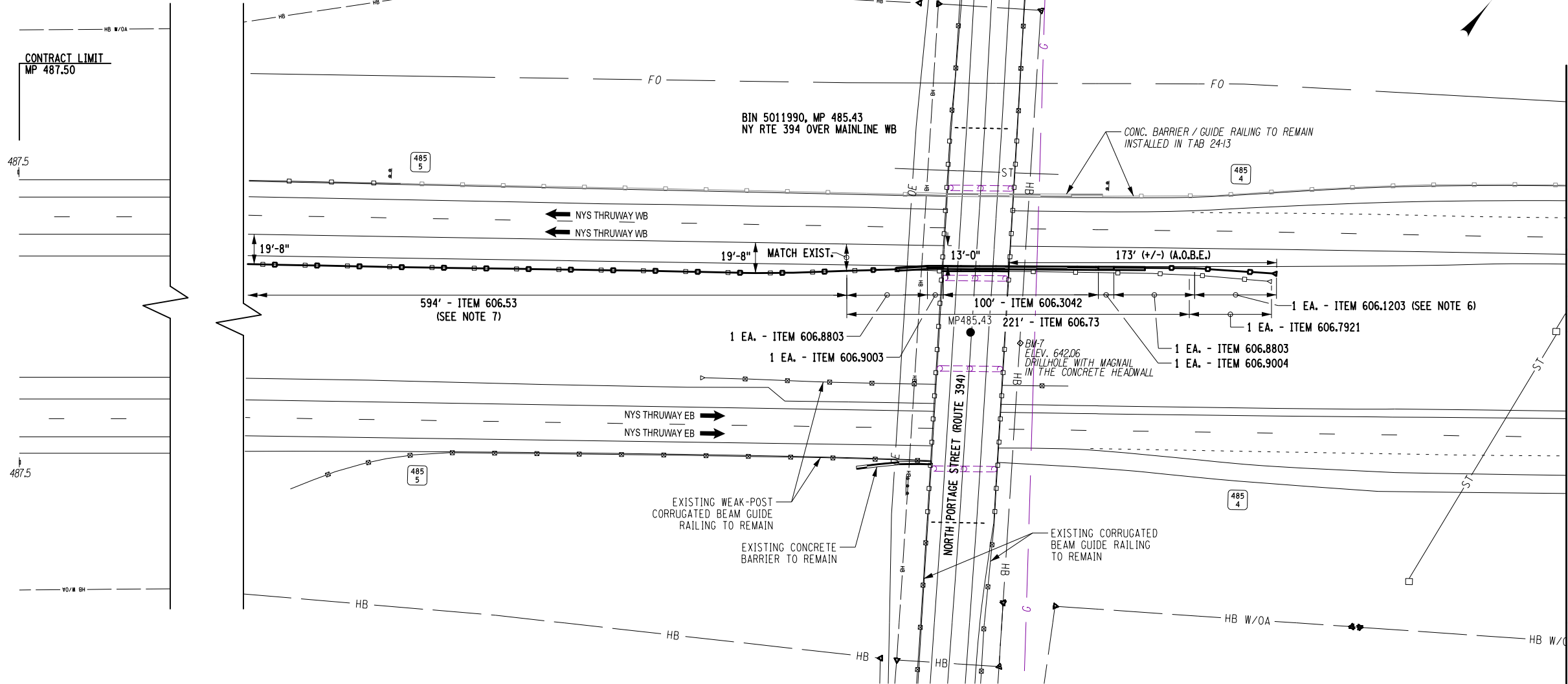
- SEE DWG. MST-1 FOR DRAINAGE STRUCTURE TABLE.
- SEE DWGS. MST-2 TO MST-8 FOR GUIDE RAIL TABLE.
- CONTRACTOR SHALL USE 2'-10" END PLATE DISTANCE "E" AS SHOWN ON NYSDOT STANDARD SHEET 606-06 TABLE 1 FOR 18'-0" RAIL LENGTHS.
- RESET GUIDE RAIL SHALL MATCH EXISTING OFFSET & RUN PARALLEL TO EDGE STRIPE.

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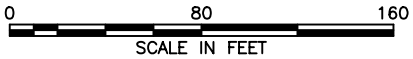
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-1



ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.9003	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (LEFT POCKET)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA

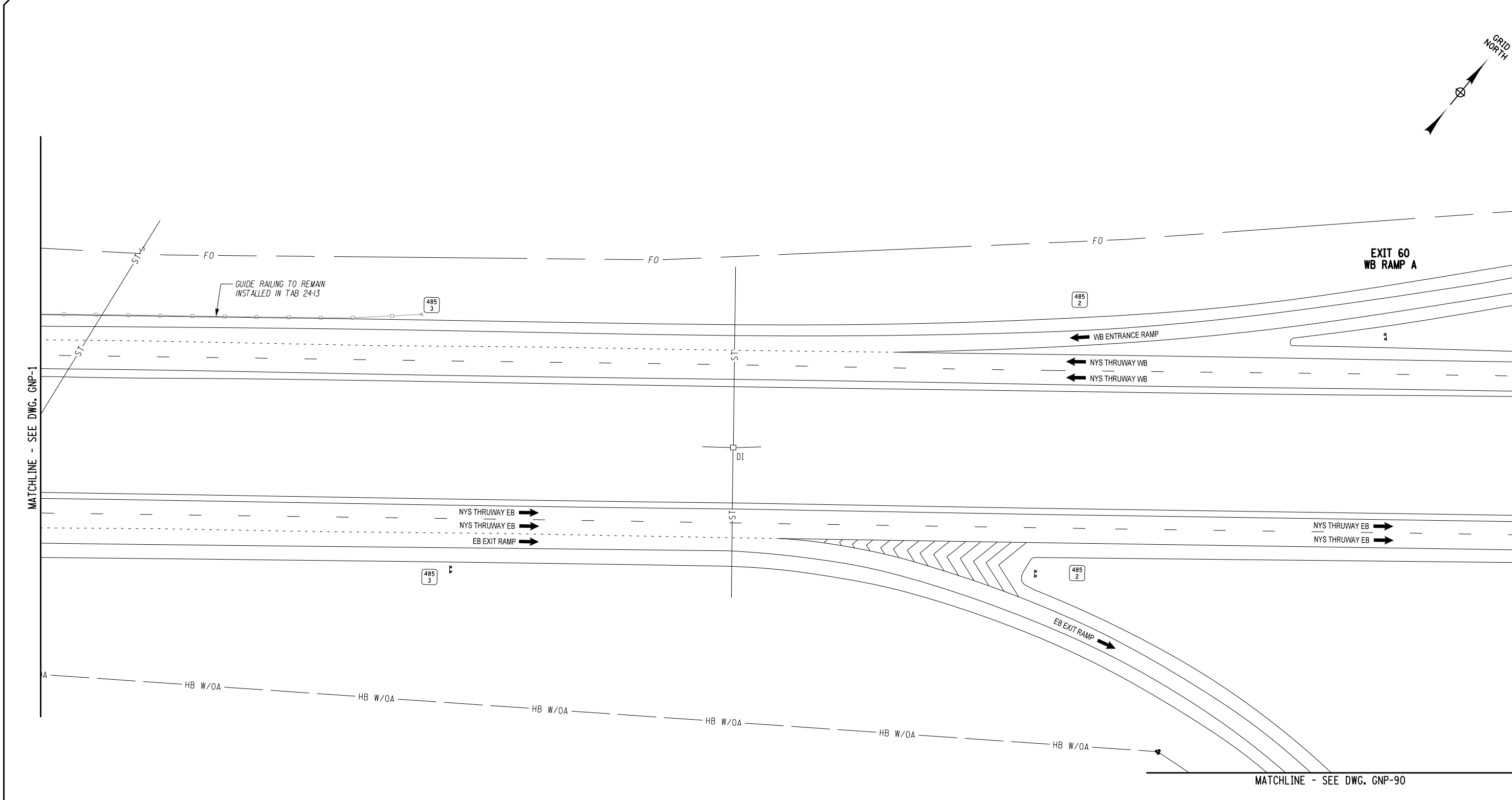


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Printed: 5/8/2025 8:25:57 AM

DESIGNED BY: B. WALKER  
CHECKED BY: J. HOFMANN

DESIGNED BY: J. JOHNS  
CHECKED BY: S. ROMEISER

DESIGNED BY: B. WALKER  
CHECKED BY: B. WALKER



ALTERED ON:

AFFIXED ON:  
05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

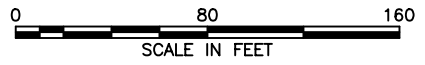
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MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

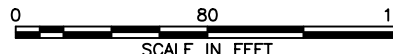
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GNP-2



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DESIGN SUPERVISOR: J. HOFMANN

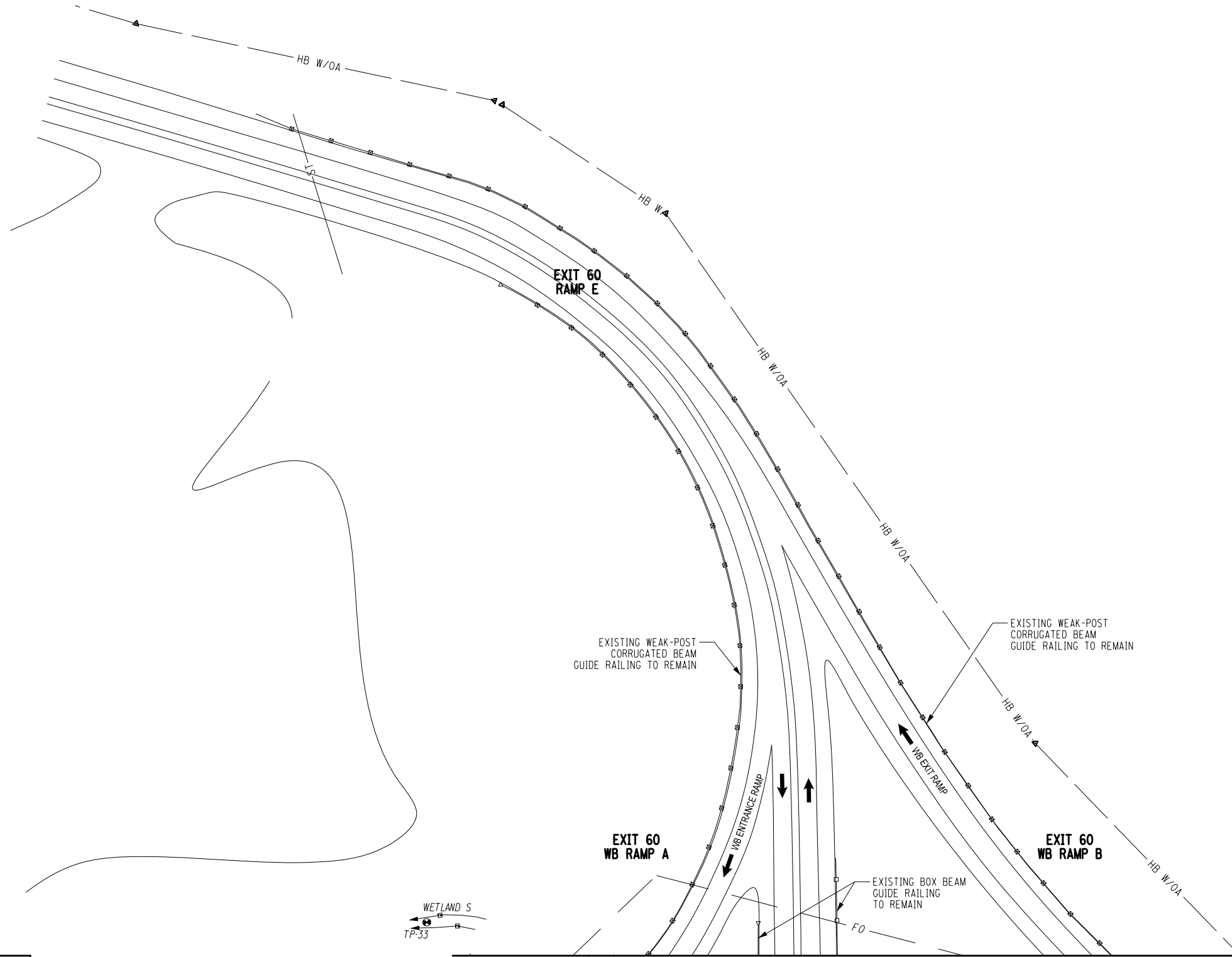
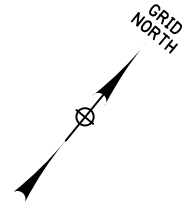


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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING  GENERAL PLAN	DRAWING NUMBER: GNP-3



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DATE	DESCRIPTION	BY	SYM.

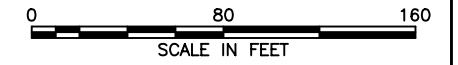


Thruway  
Authority



TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS  
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50  
TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15  
DATE:  
05/09/2025  
DRAWING NUMBER:  
GNP-4



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CHECKED BY: J. JOHNS  
DRAFTED BY: S. ROMEISER  
CHECKED BY: B. WALKER

DESIGNED BY: B. WALKER  
DESIGN SUPERVISOR: J. HOFMANN

Plotted By: sromeliser  
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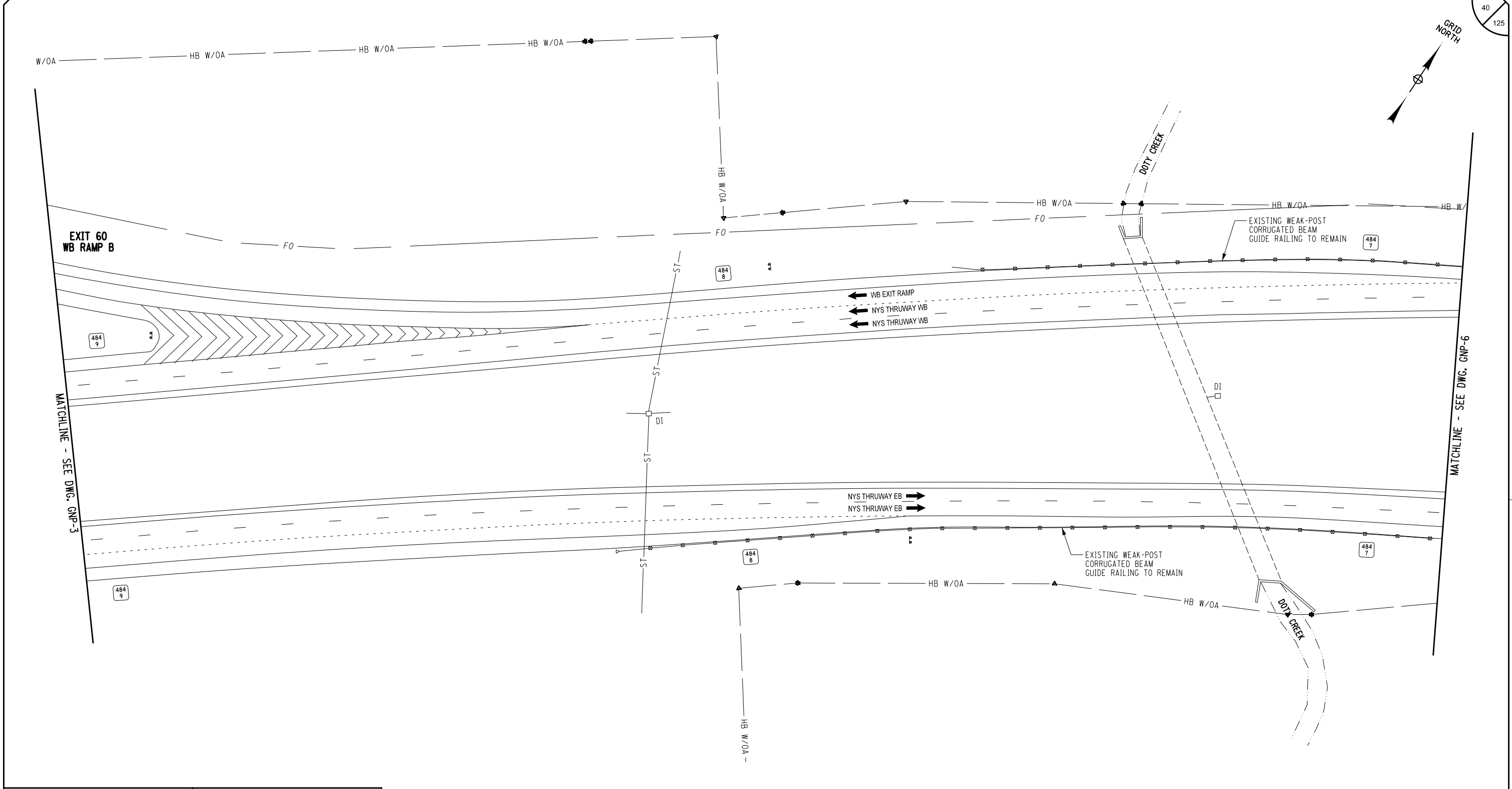
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DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

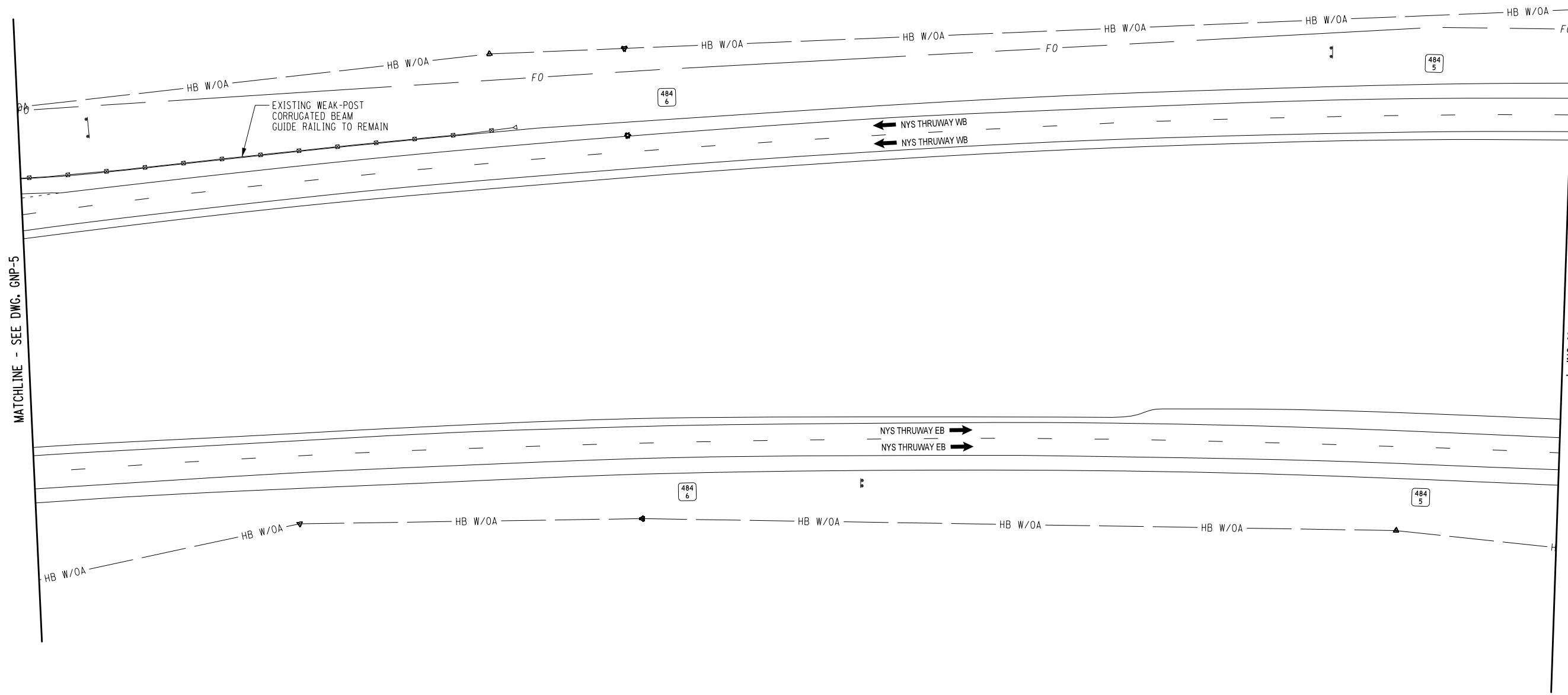
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GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-5


MATCHLINE - SEE DWG. GNP-7




MATCHLINE - SEE DWG. GNP-5

— EXISTING WEAK-POST  
CORRUGATED BEAM  
GUIDE RAILING TO REMAIN

← NYS THRUWAY WB  
← NYS THRUWAY WB

NYS THRUWAY EB 

NYS THRUWAY EB 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT	ROADSIDE SAFETY IMPROVEMENTS
LOCATION OF PROJECT	BUFFALO DIVISION MP 467.00 TO MP 485.50
TITLE OF DRAWING	GENERAL PLAN

CONTRACT NUMBER: <b>TAB 25-15</b>
DATE: <b>05/09/2025</b>
DRAWING NUMBER: <b>GNP-6</b>

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SCALE IN FEET

CHECKED BY: B. WALKER

**DRAFTED BY: S. ROMEISER**

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

Plotted By: smriseer  
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CHECKED BY: B. WALKER

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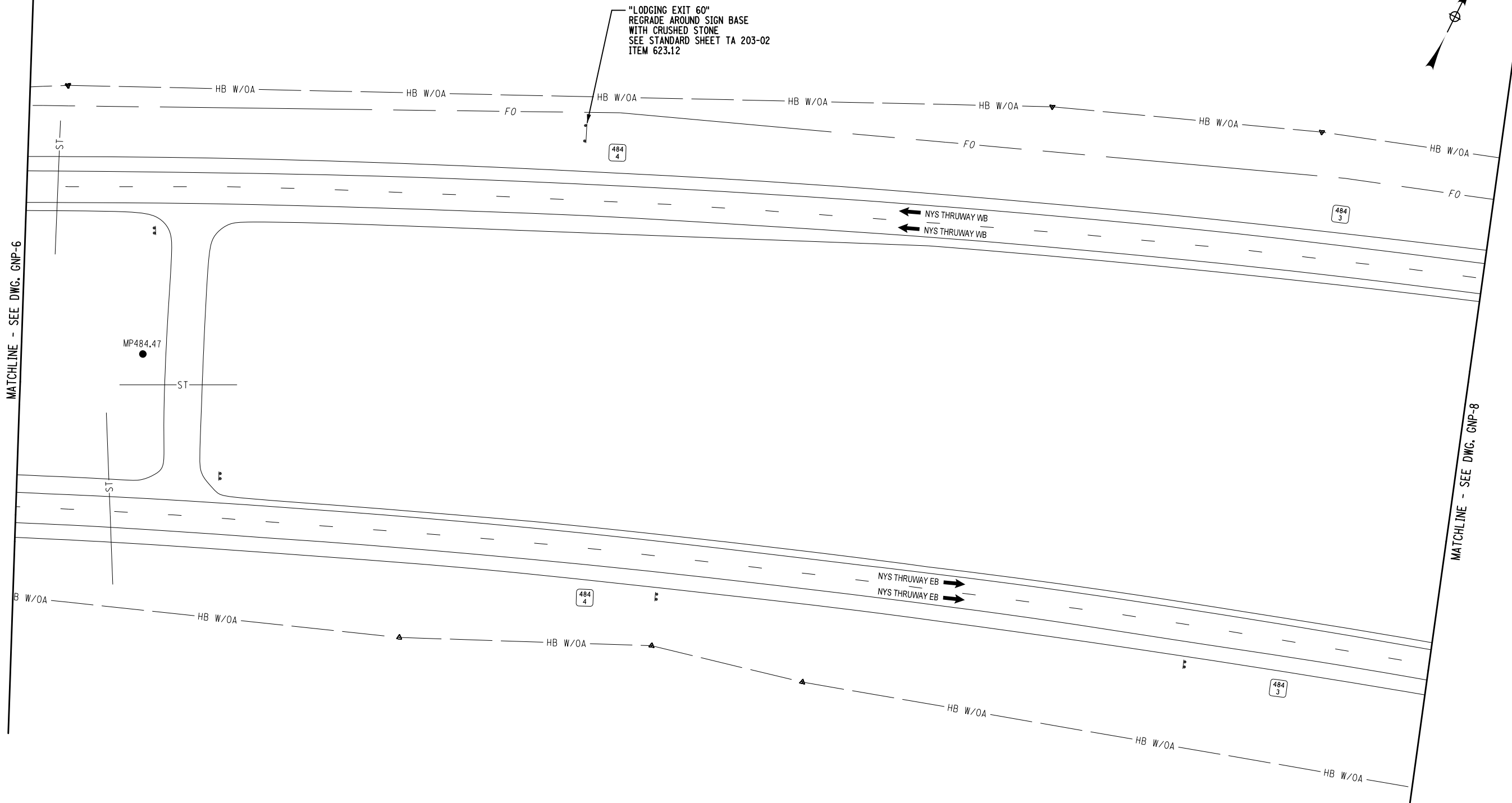
DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-6

MATCHLINE - SEE DWG. GNP-8



42  
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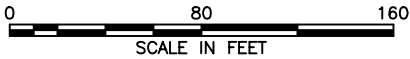
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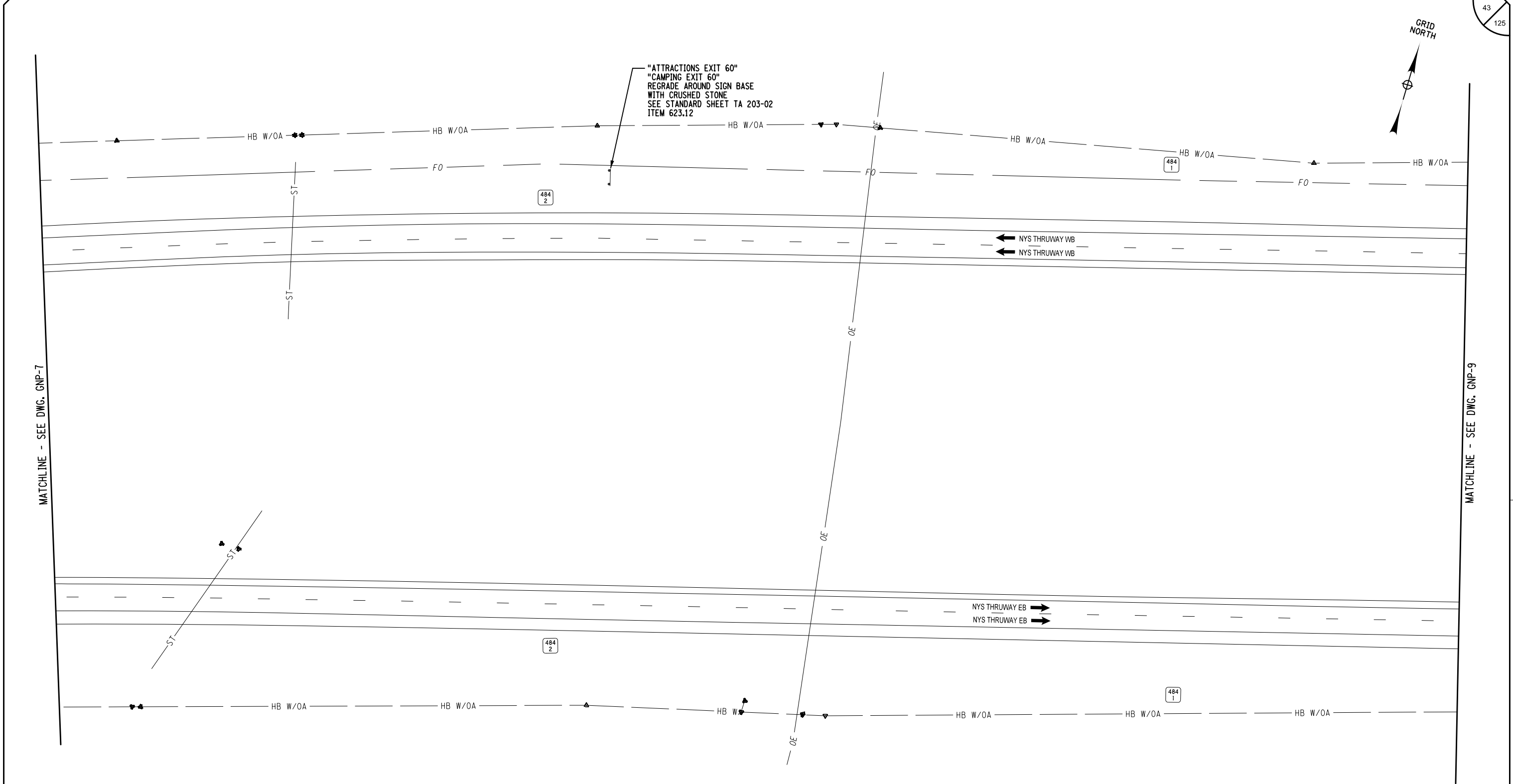
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	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-7

ITEM	DESCRIPTION	UNIT
623.12	CRUSHED STONE (IN-PLACE MEASURE)	CY



Plotted By: sromeliser  
Design File: 04US0256-PFF 5501.dgn  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN  
Checked By: S. ROMEISER  
Drafted By: S. ROMEISER  
Checked By: B. WALKER



ALTERED ON: AFFIXED ON: 05/09/2025

STATE OF NEW YORK  
BRYCE A. WALKER  
LICENSED PROFESSIONAL ENGINEER  
079340

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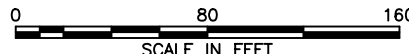
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DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

Stantec

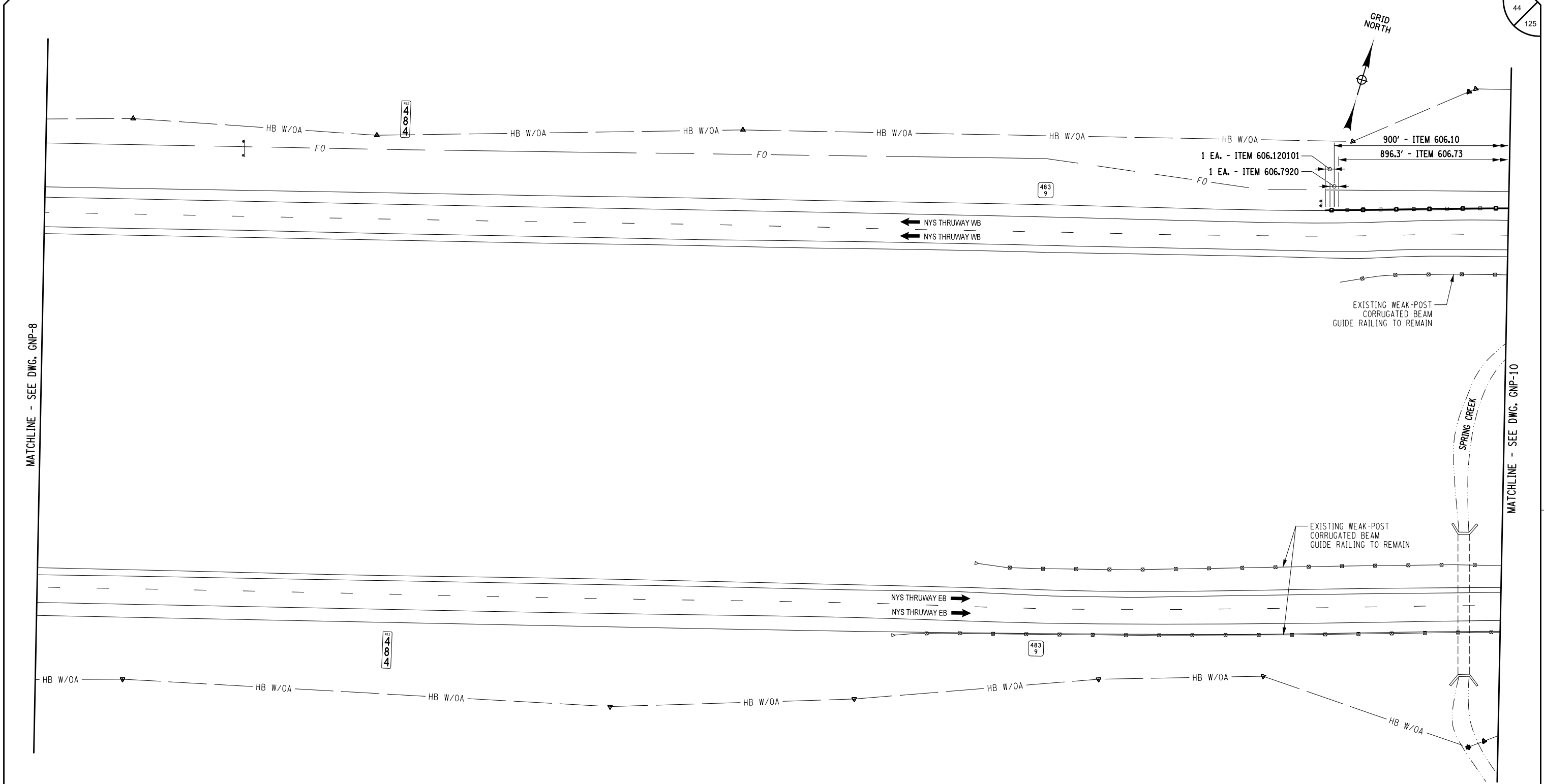
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LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-8

ITEM	DESCRIPTION	UNIT
623.12	CRUSHED STONE (IN-PLACE MEASURE)	CY



Plotted By: sromeliser  
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Project: 04US0258-PFF 5501.dgn  
Date: 5/8/2025 8:28:16 AM  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN

Checked By: S. ROMEISER  
Drafted By: S. ROMEISER  
Matchline - See DWG. GNP-8  
Matchline - See DWG. GNP-10



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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.

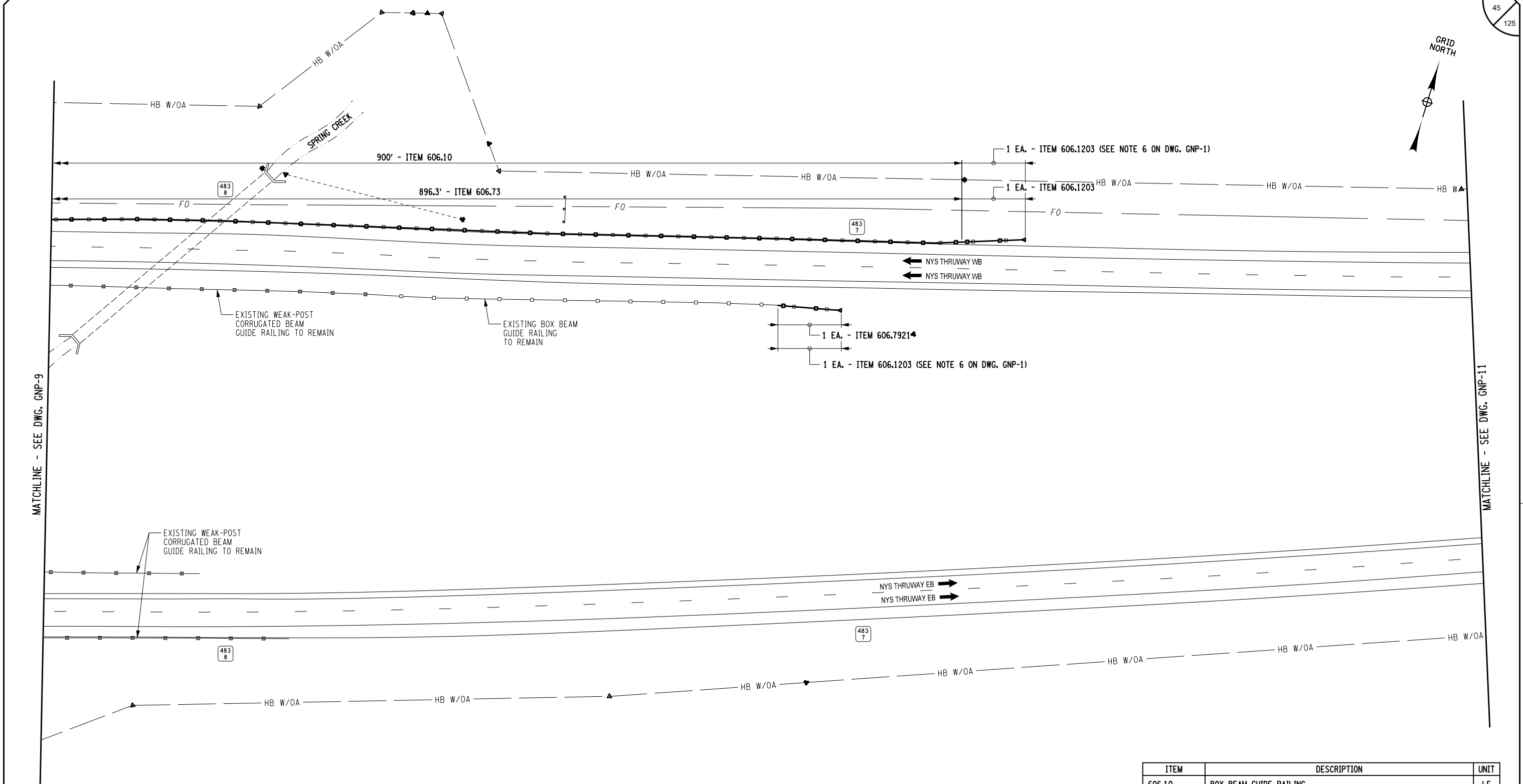
ITEM	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.120101	BOX BEAM END PIECE	EA
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA

TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-9

Plotted By: sromeliser  
Design File: 04US0258-PFF 5501.dgn  
Printed: 5/8/2025 8:26:20 AM

DESIGNED BY: B. WALKER  
CHECKED BY: J. JOHNS  
DRAFTED BY: S. ROMEISER  
CHECKED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



ALTERED ON: \_\_\_\_\_ AFFIXED ON: 05/09/2025

STATE OF NEW YORK  
BRYCE A. WALKER  
LICENSED PROFESSIONAL ENGINEER  
079340

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

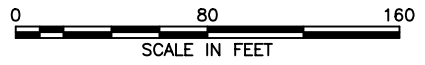
TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-10

ITEM	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA



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Design File: 04US0258-PF5501.dgn  
Printed: 5/8/2025 8:26:22 AM

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

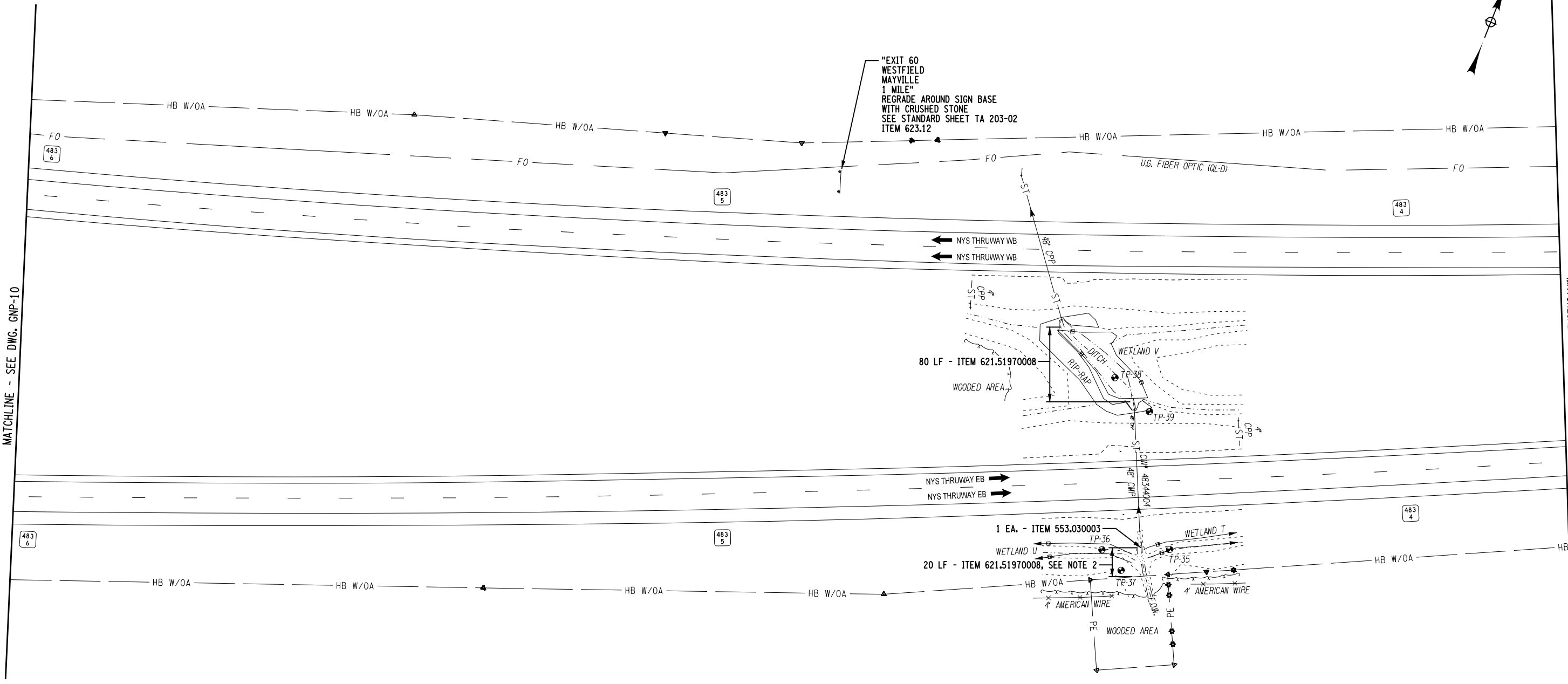
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-10

MATCHLINE - SEE DWG. GNP-12



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05/09/2025

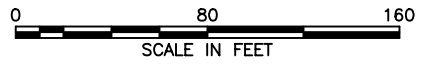
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- NOTES:**
- FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
  - FOR DETAILS SEE CLEANING AND RESHAPING DETAILS, DWG. DD-1.

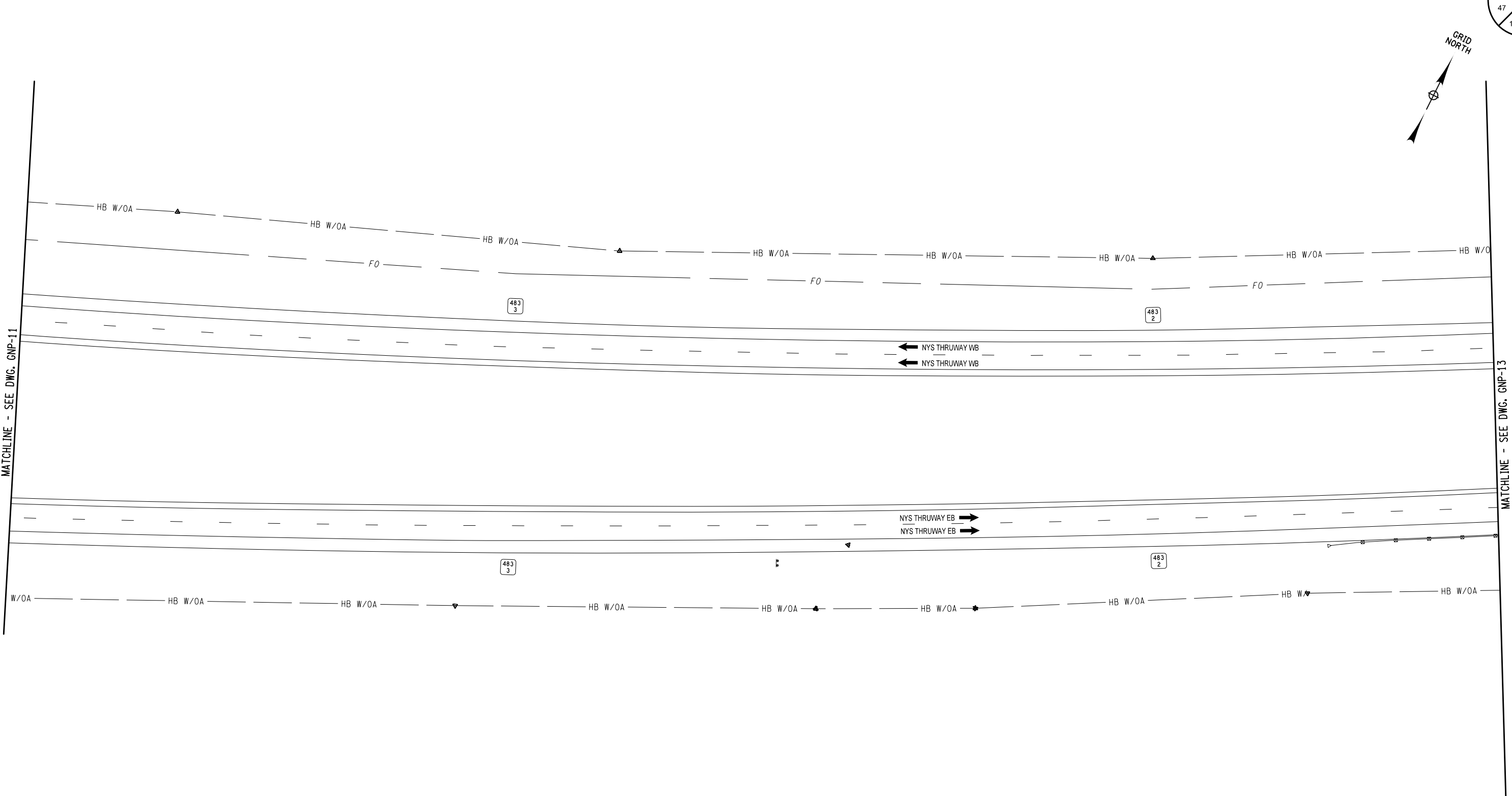
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DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-11

ITEM	DESCRIPTION	UNIT
553.030003	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF
623.12	CRUSHED STONE (IN-PLACE MEASURE)	CY



Plotted By: sromeliser  
Design File: 04US0258-PF5501.dgn  
Project: 826225 AM  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN  
Drafted By: S. ROMEISER  
Checked By: B. WALKER





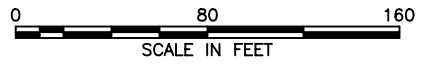
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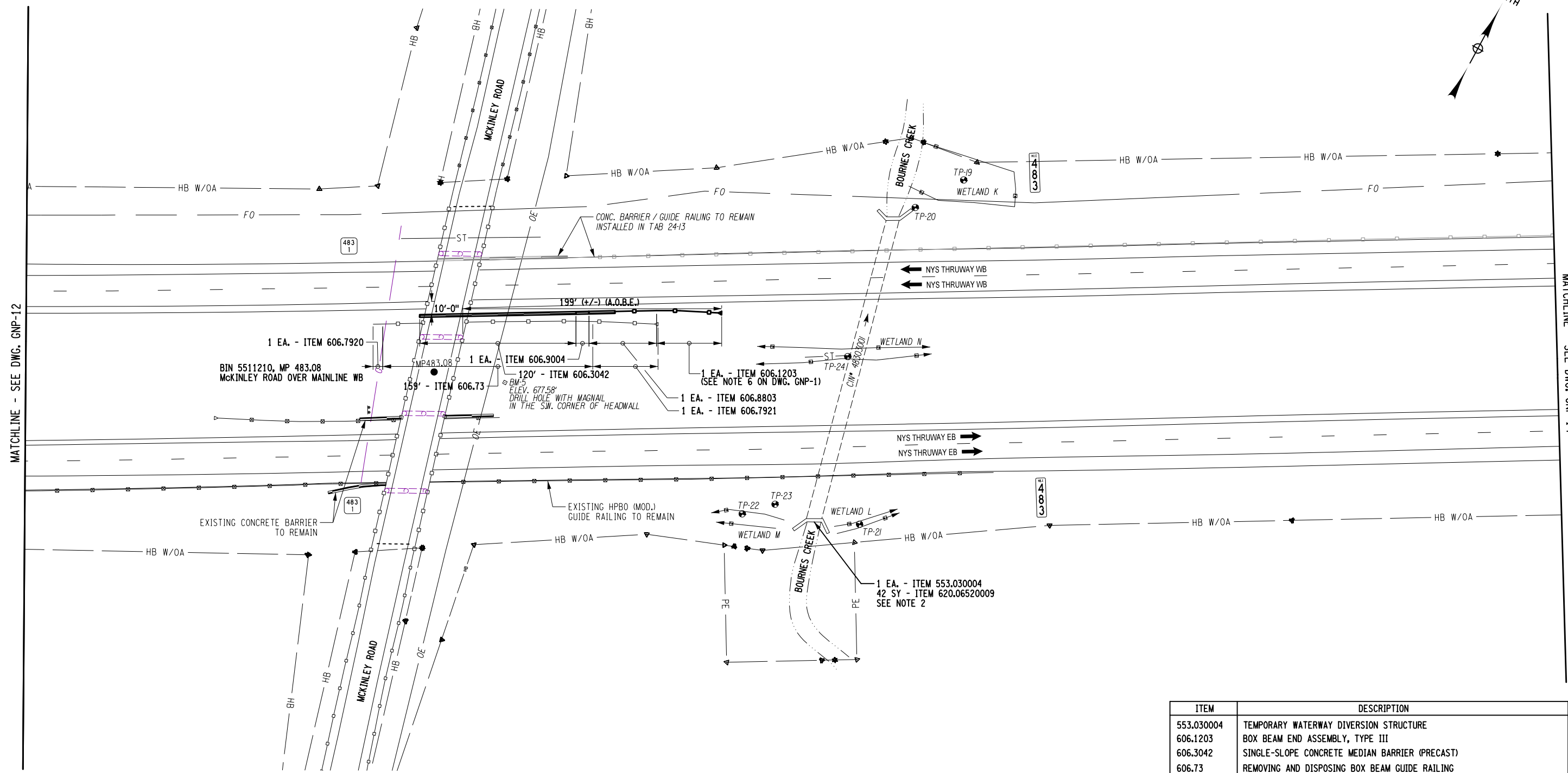
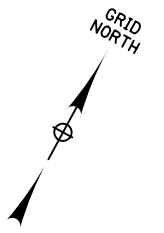
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

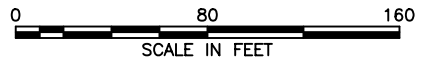
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	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-12





ITEM	DESCRIPTION	UNIT
553.030004	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA
620.06520009	RESET EXISTING STONE FILLING	SY

- NOTES:**
- FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
  - THE EXISTING STONE FILLING HAS PILED UP AT THE INLET APRON. THIS STONE FILLING SHOULD BE RESET UPSTREAM TO REMOVE THE DROP OFF THAT CURRENTLY EXISTS AT THE INLET.





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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

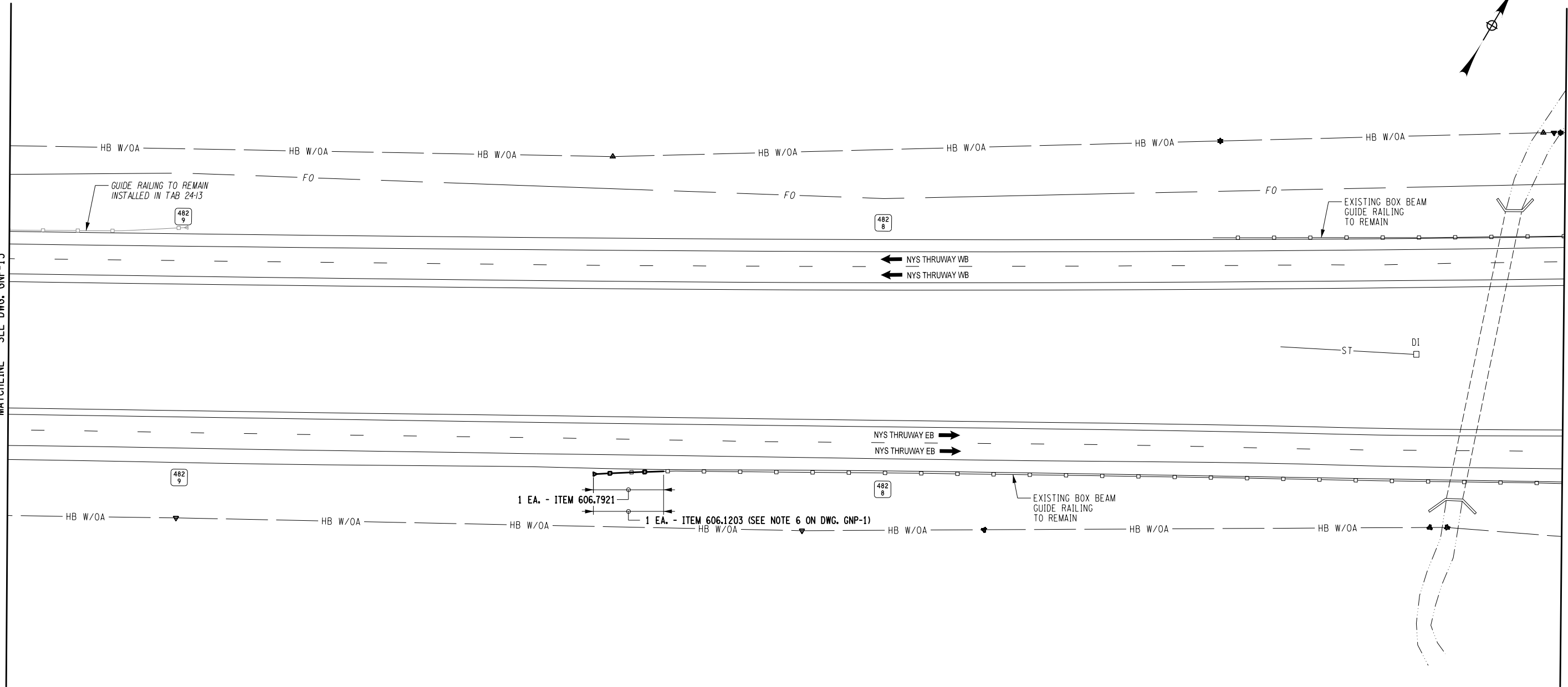
DRAWING NUMBER:  
GNP-13

DESIGNED BY: J. JOHNS  
CHECKED BY: J. JOHNS  
DRAFTED BY: S. ROMEISER  
CHECKED BY: S. ROMEISER  
DESIGNED BY: B. WALKER  
CHECKED BY: B. WALKER  
DESIGN SUPERVISOR: J. HOFMANN

Plotted By: sromeiser  
Design File: 04US0258-PFF5501denared.projects\1281047341transportation\design\drawingPhase 2\plans\GNP\0214811-03\_coh-gnp-GNP13.dgn  
Printed: 5/8/2025 8:26:27 AM

MATCHLINE - SEE DWG. GNP-13

MATCHLINE - SEE DWG. GNP-15





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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

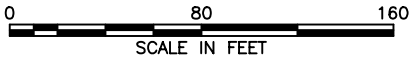
TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-14

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA



Plotted By: sromeliser  
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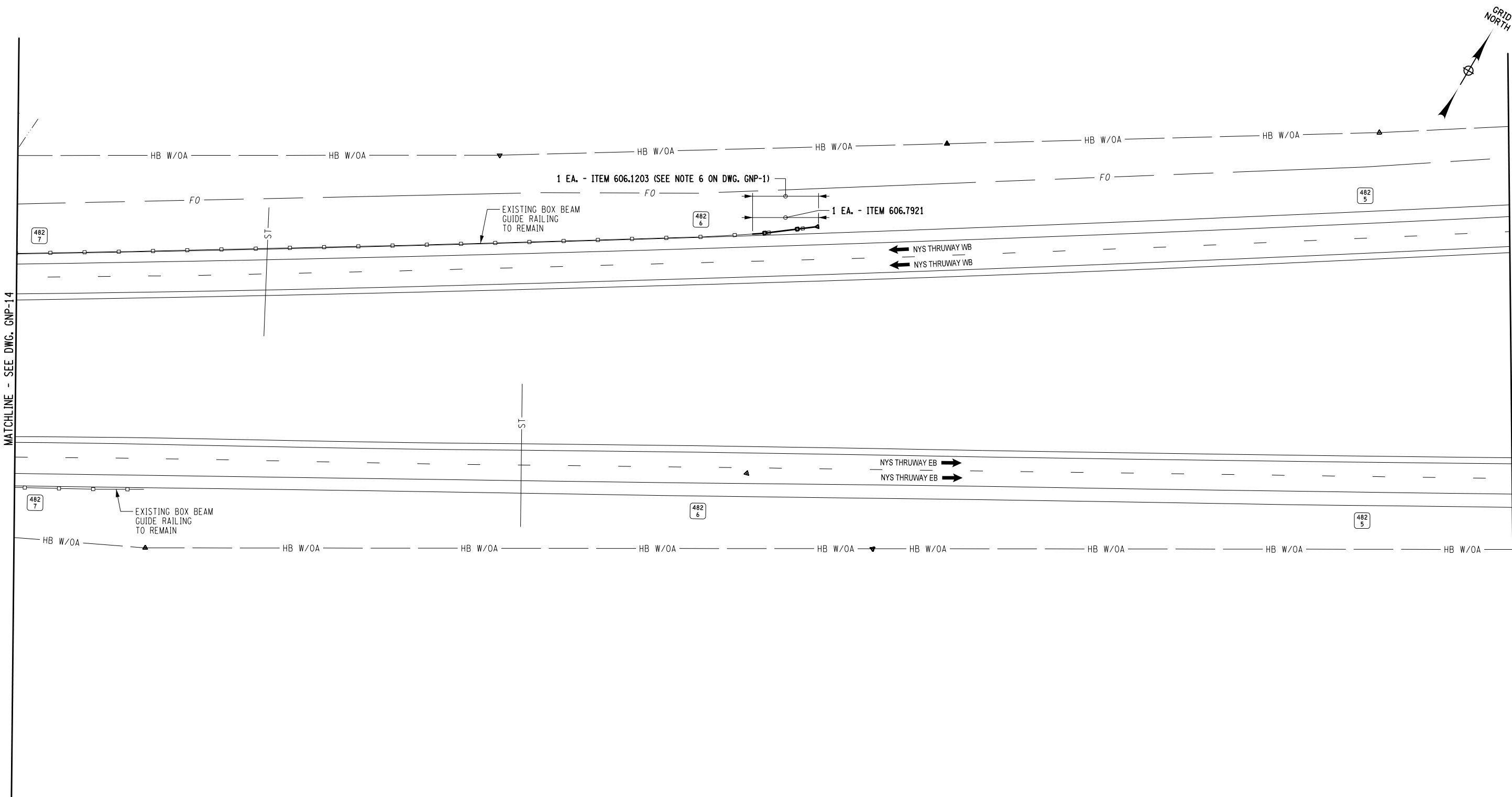
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER



ALTERED ON:

AFFIXED ON:  
05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-15

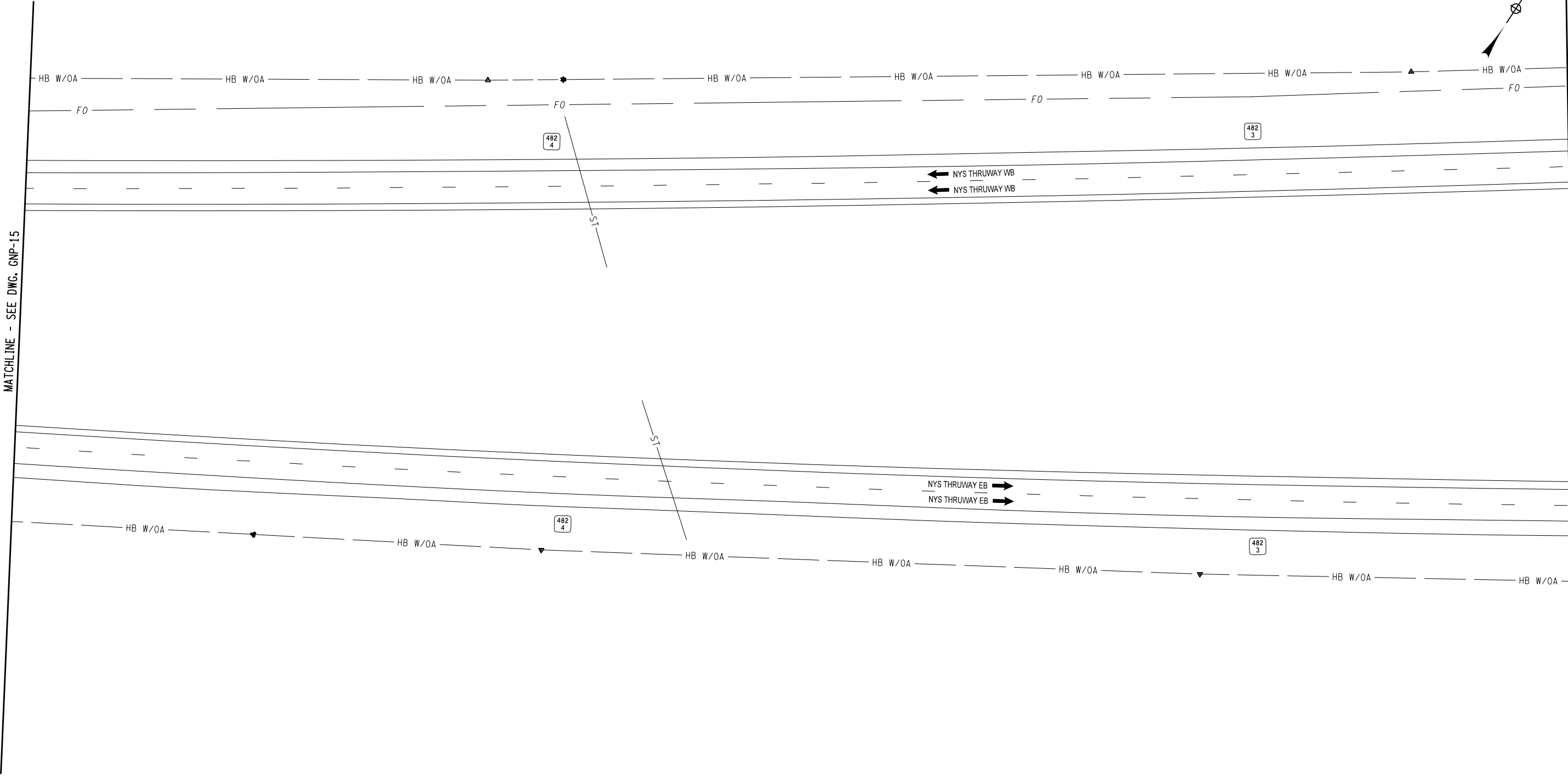
ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA



Plotted By: sromeliser  
Design File: 04US0258-PFF 5501.dgn  
Printed: 5/8/2025 8:28:37 AM  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN  
Drafted By: S. ROMEISER  
Checked By: B. WALKER

MATCHLINE - SEE DWG. GNP-15

MATCHLINE - SEE DWG. GNP-17



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

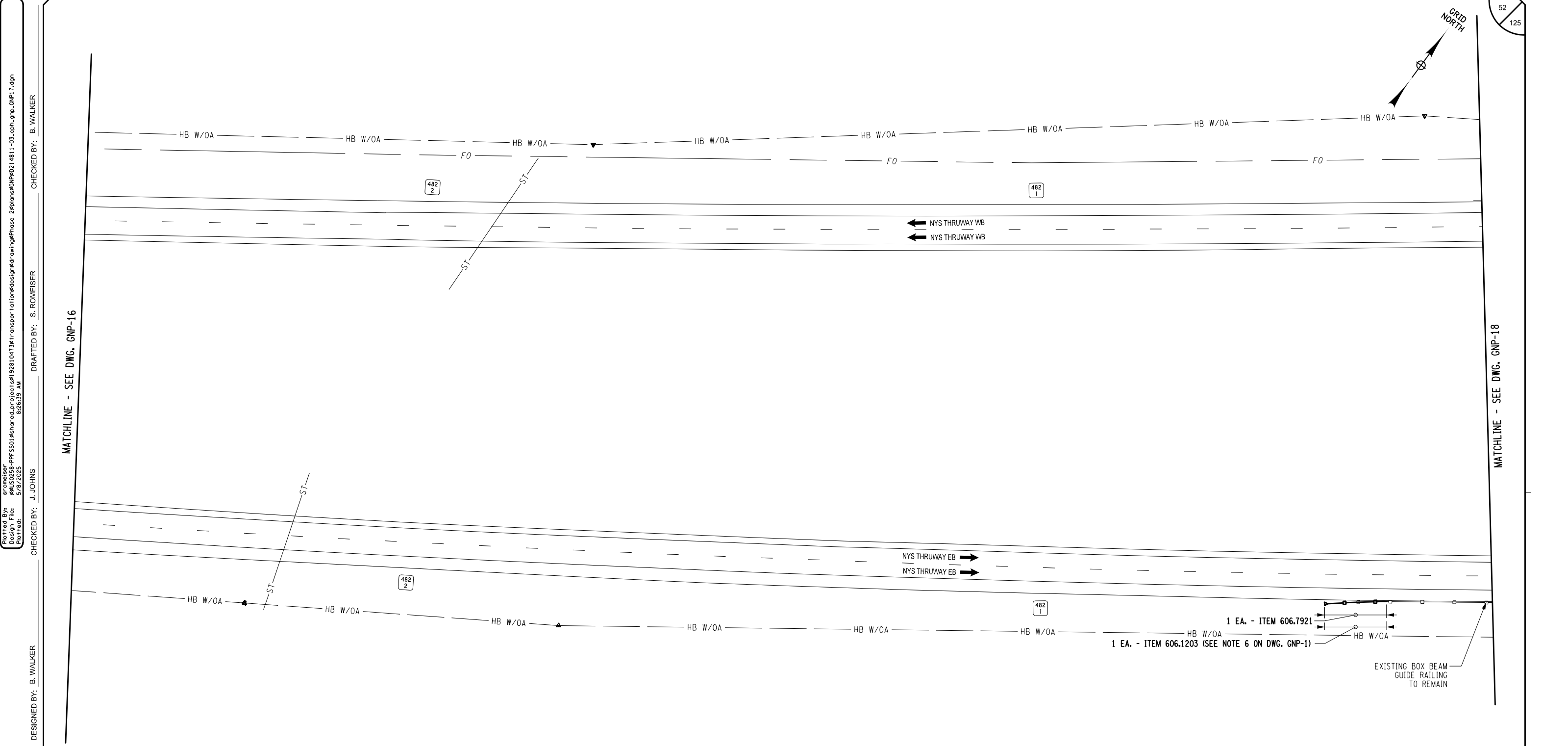


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Authority



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-16





Plotted By: sromeliser  
Design File: 04050258-PFF 5501.dgn  
Printed: 5/8/2025 8:28:39 AM


CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

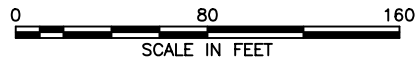
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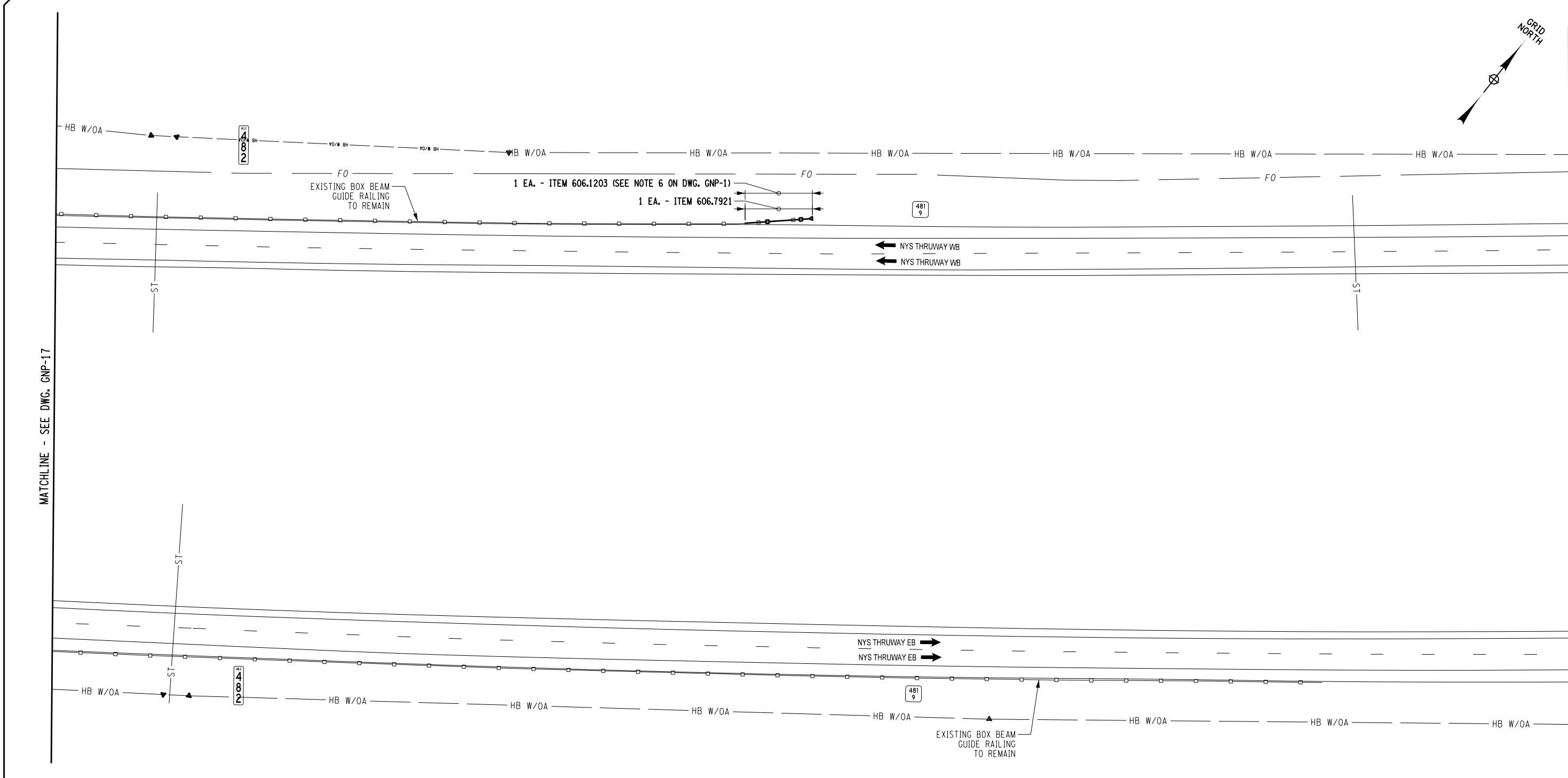
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	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-17

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA



Plotted By: sromeliser 04/05/2025 8:26:43 AM  
Design File: 04/05/2025-PPF 5501.dgn  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN  
Checked By: S. ROMEISER  
Drafted By: S. ROMEISER  
Checked By: B. WALKER



ALTERED ON: \_\_\_\_\_ AFFIXED ON: 05/09/2025

STATE OF NEW YORK  
BRYCE A. WALKER  
LICENSED PROFESSIONAL ENGINEER  
079340

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA

0 80 160  
SCALE IN FEET

NEW YORK STATE Thruway Authority  
Stantec

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

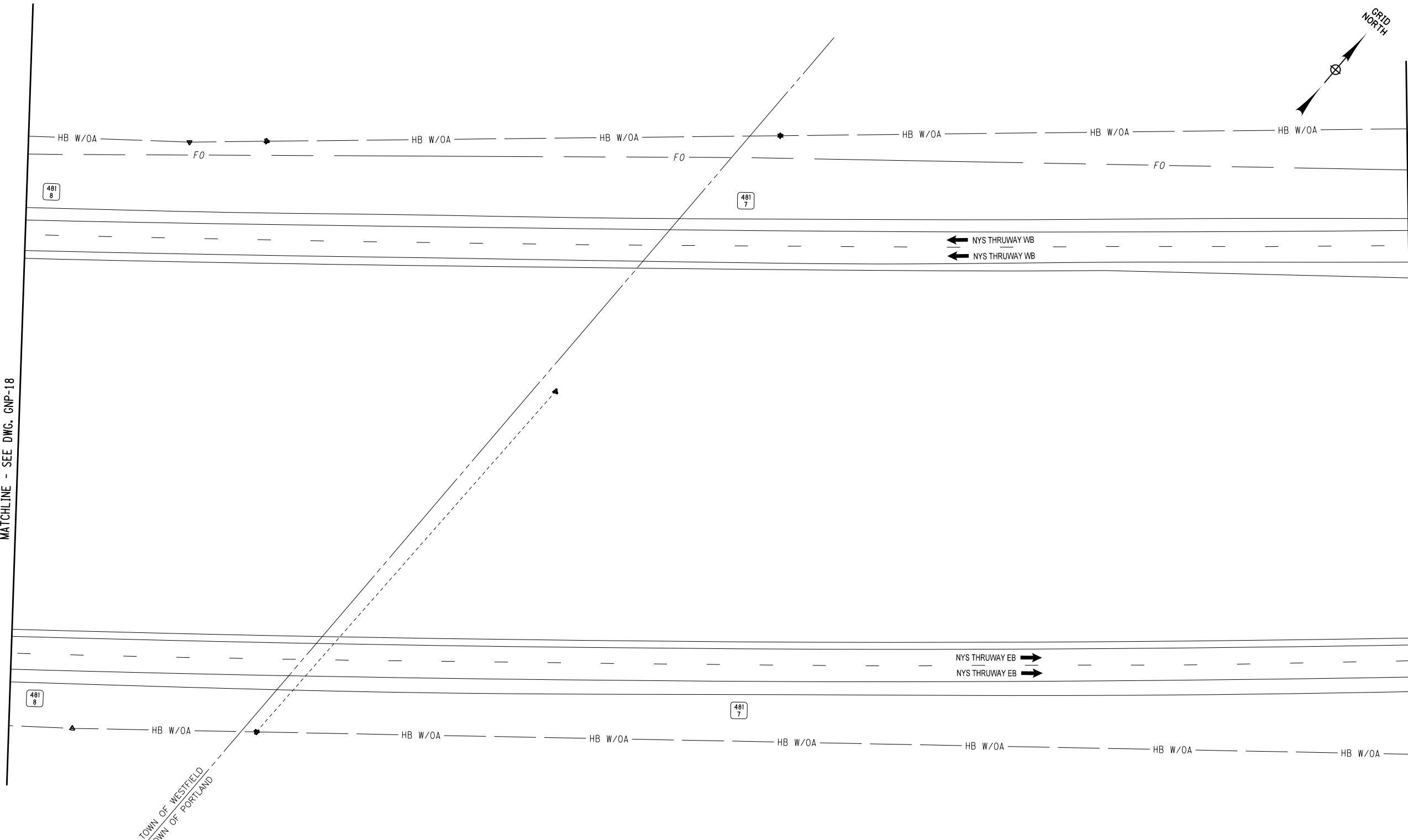
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TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-18

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Design File: 04US0256-PF5501.dgn  
Project: 04US0256-PF5501.dgn  
Date: 5/8/2025 8:26:45 AM  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Drafted By: S. ROMEISER  
Checked By: B. WALKER

MATCHLINE - SEE DWG. GNP-18

MATCHLINE - SEE DWG. GNP-20



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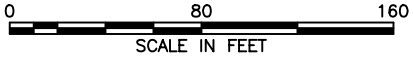
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



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TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-19

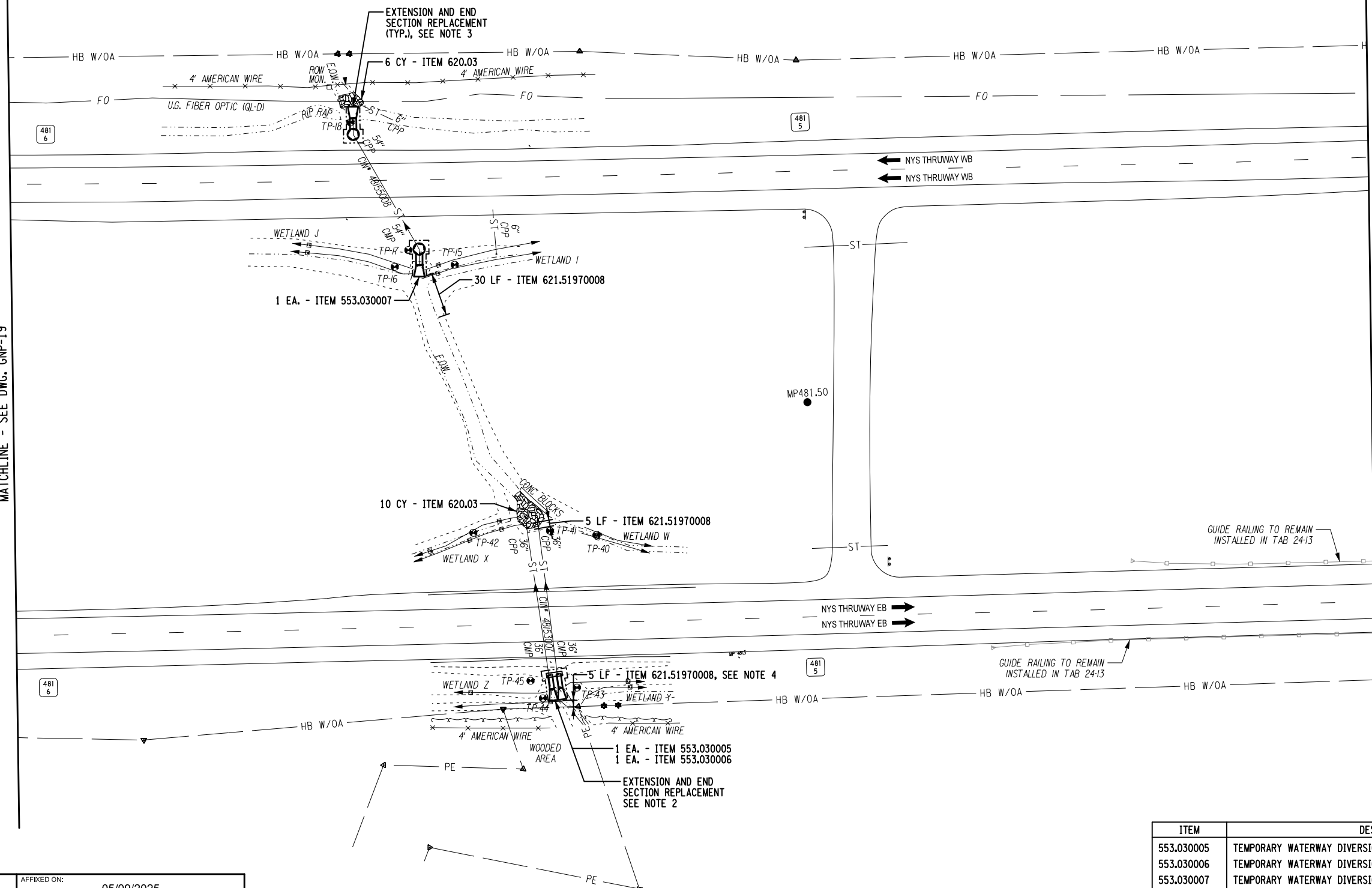


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Design File: 04US0258-PF5501.dgn  
Project: 04US0258-PF5501.dgn  
Date: 5/8/2025 8:26:48 AM  
Checked By: J. JOHNS  
Drafted By: S. ROMEISER  
Checked By: B. WALKER

DESIGNED BY: B. WALKER  
DESIGN SUPERVISOR: J. HOFMANN

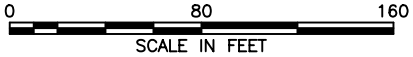
MATCHLINE - SEE DWG. GNP-19

MATCHLINE - SEE DWG. GNP-21



ITEM	DESCRIPTION	UNIT
553.030005	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
553.030006	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
553.030007	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
620.03	STONE FILLING (LIGHT)	CY
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF

- NOTES:
- FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
  - FOR DETAILS SEE DRAINAGE END SECTION DETAILS MP 481.53, DWG. DD-6.
  - FOR DETAILS SEE DRAINAGE END SECTION DETAILS MP 481.55, DWG. DD-5.
  - FOR DETAILS SEE CLEANING AND RESHAPING DETAILS, DWG. DD-1.



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.

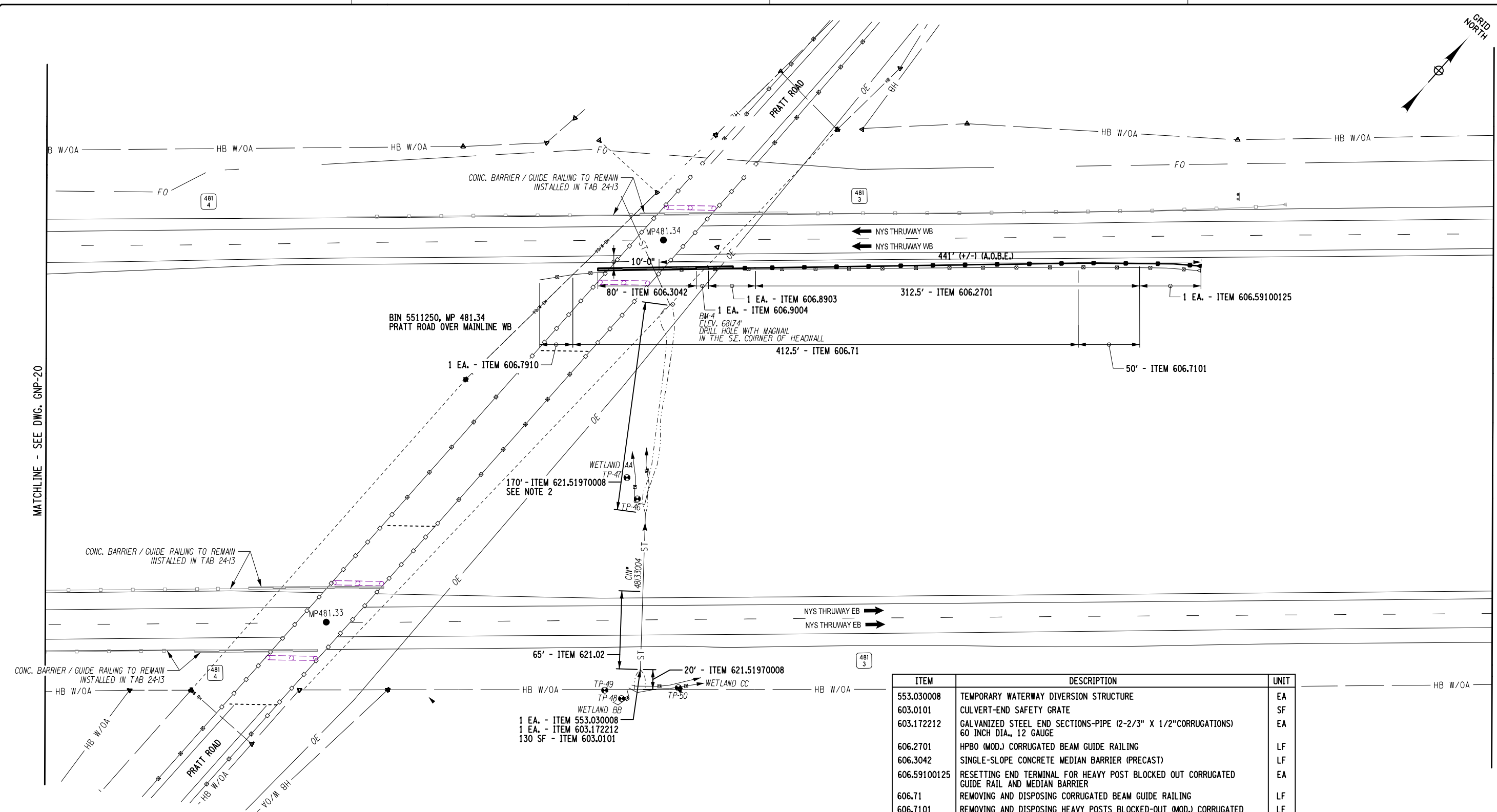


TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-20

MATCHLINE - SEE DWG. GNP-20

DESIGN SUPERVISOR: J. HOFMANN

Plotted By: smriseer  
 Design File: 0903US258-PF5501\$shored\_projects\$192810473for transportation\$design\$drawings\$Phase 2\$plans\$GNP2021481-03.coh.gnp.GNP21.dgn  
 Plotted: 5/8/2025 6:6:51 AM



ITEM	DESCRIPTION	UNIT
553.030008	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
603.0101	CULVERT-END SAFETY GRATE	SF
603.172212	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS) 60 INCH DIA., 12 GAUGE	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.59100125	RESETTING END TERMINAL FOR HEAVY POST BLOCKED OUT CORRUGATED GUIDE RAIL AND MEDIAN BARRIER	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7910	RESETTING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.8903	TRANSITION; HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE CONCRETE HALF SECTION BARRIER	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA
621.02	CLEANING CULVERTS WITH SPAN OF MORE THAN 50 IN.	LF
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF

NOTES:

1. FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
2. FOR DETAILS SEE CLEANING AND RESHAPING DETAILS, DWG. DD-1.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



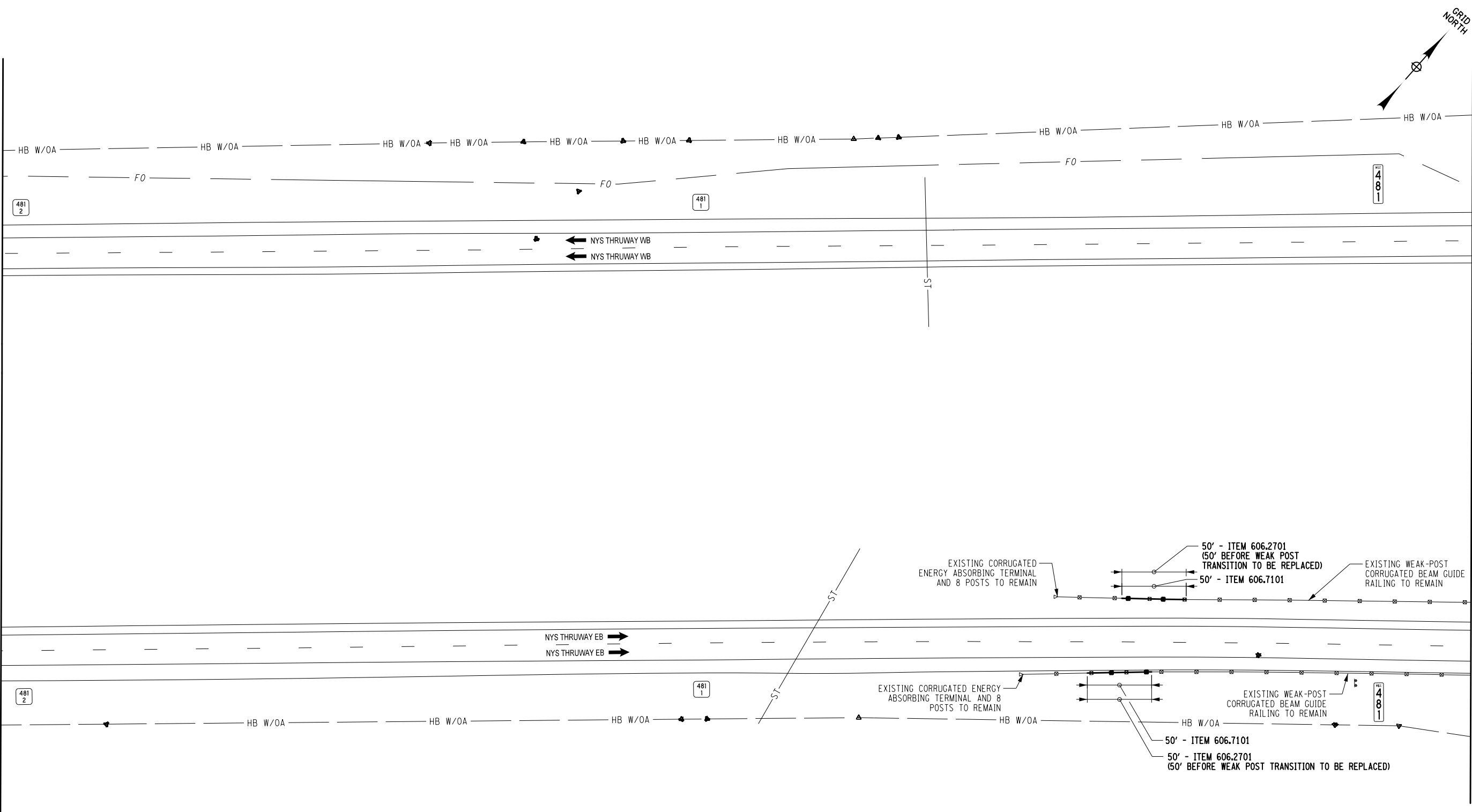
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LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50		DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN		DRAWING NUMBER: GNP-21



Plotted By: sromeliser  
Design File: 04US0258-PF5501.dgn  
Project: 04US0258-PF5501.dgn  
Date: 5/8/2025 8:28:56 AM  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Drafted By: S. ROMEISER  
Checked By: B. WALKER


MATCHLINE - SEE DWG. GNP-21

MATCHLINE - SEE DWG. GNP-23





ALTERED ON:

AFFIXED ON: 05/09/2025



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  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-22



Plotted By: sromeliser  
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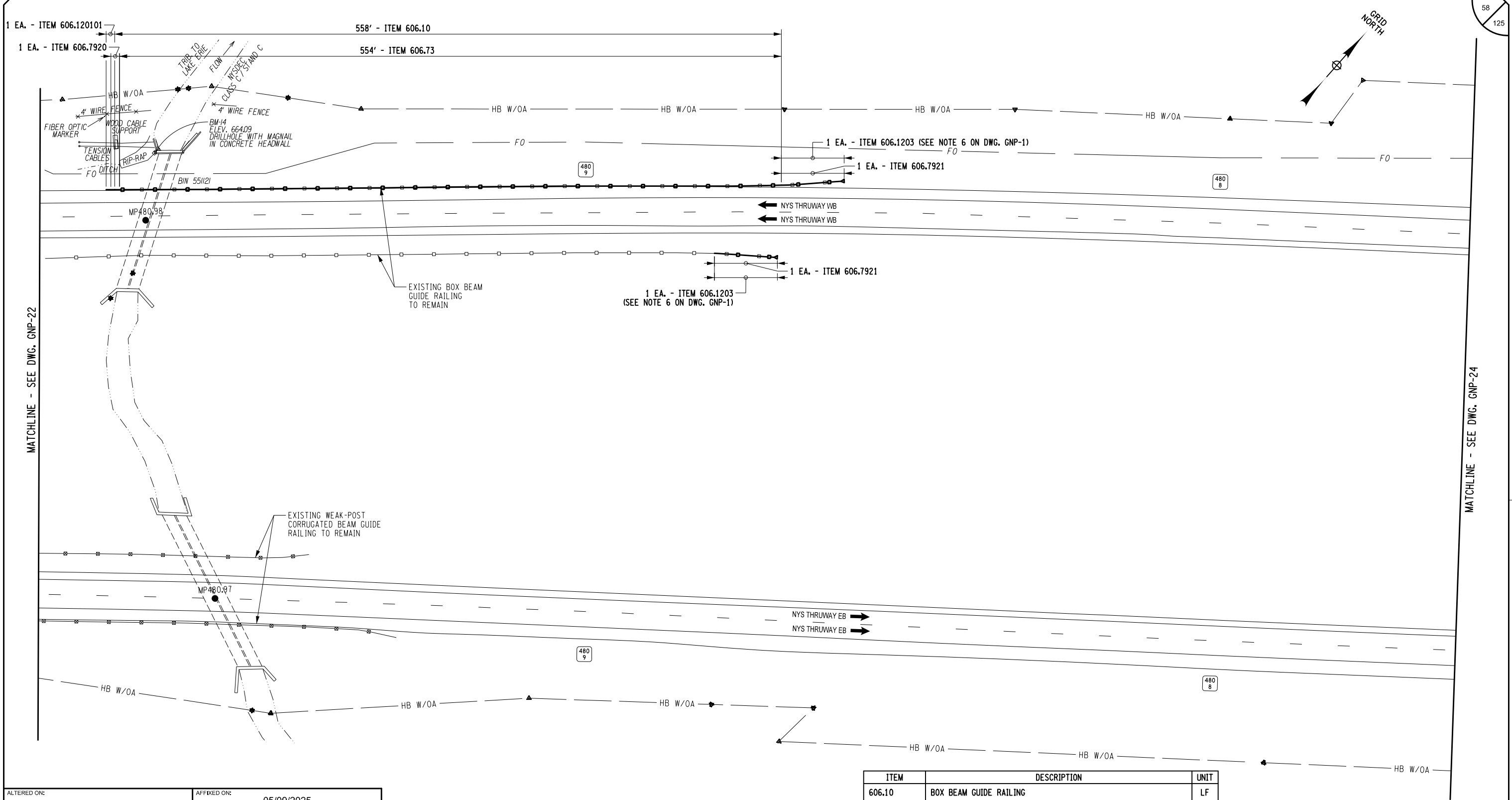
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN





ALTERED ON:

AFFIXED ON: 05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

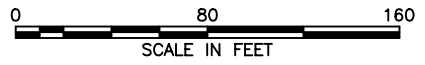
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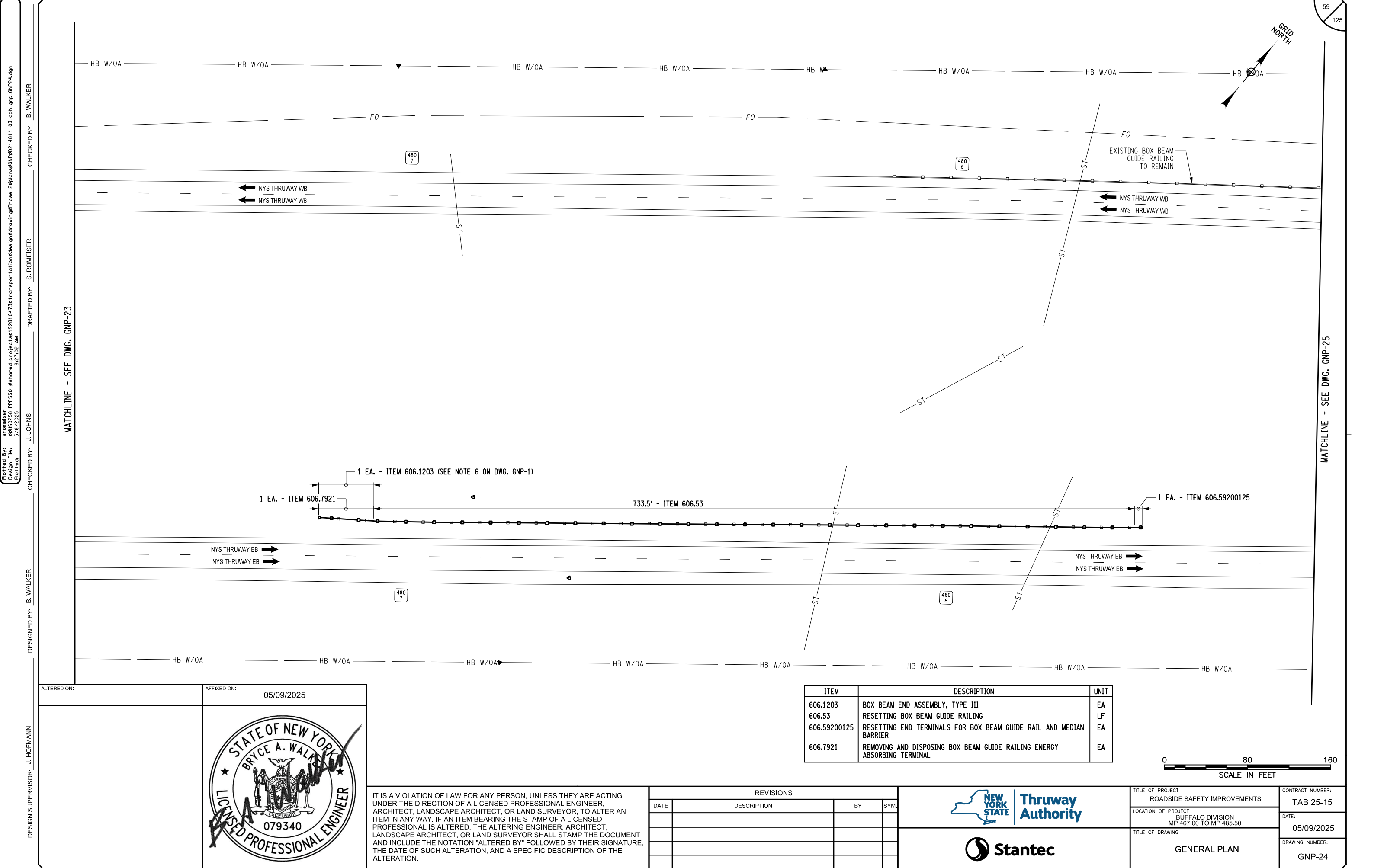
CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-23

ITEM	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.120101	BOX BEAM END PIECE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA





Plotted By: sromeliser  
Design File: 04050258-PFF 5501.dgn  
Project: 04050258-PFF 5501.dgn  
Checked By: J. JOHNS  
8/27/2025 8:27:02 AM

DESIGNED BY: B. WALKER  
CHECKED BY: J. JOHNS  
DRAFTED BY: S. ROMEISER  
CHECKED BY: B. WALKER

ALTERED ON:

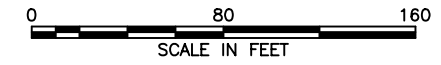
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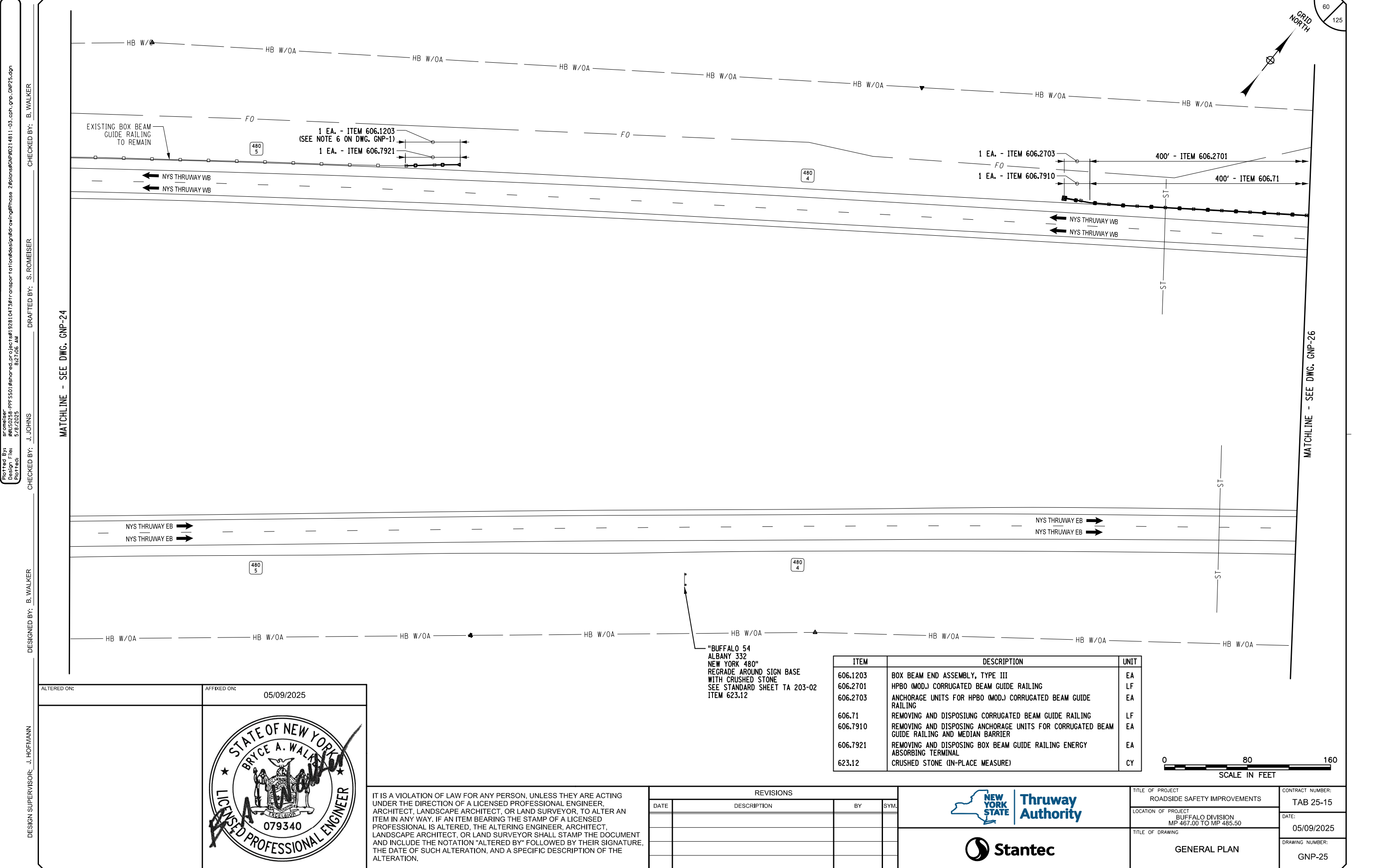
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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.

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA

TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-24





Plotted By: sromeliser  
Design File: 04050258-PF5501denared.projects\1928104734\transportation\design\drawingPhase 2\plans\GNP\0214811-03\_coh-gnp-GNP25.dgn  
Checked By: J. JOHNS  
8/27/2025 8:27:06 AM

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

ALTERED ON:

AFFIXED ON: 05/09/2025

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.



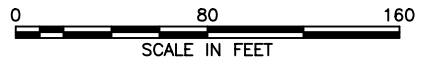
Thruway  
Authority



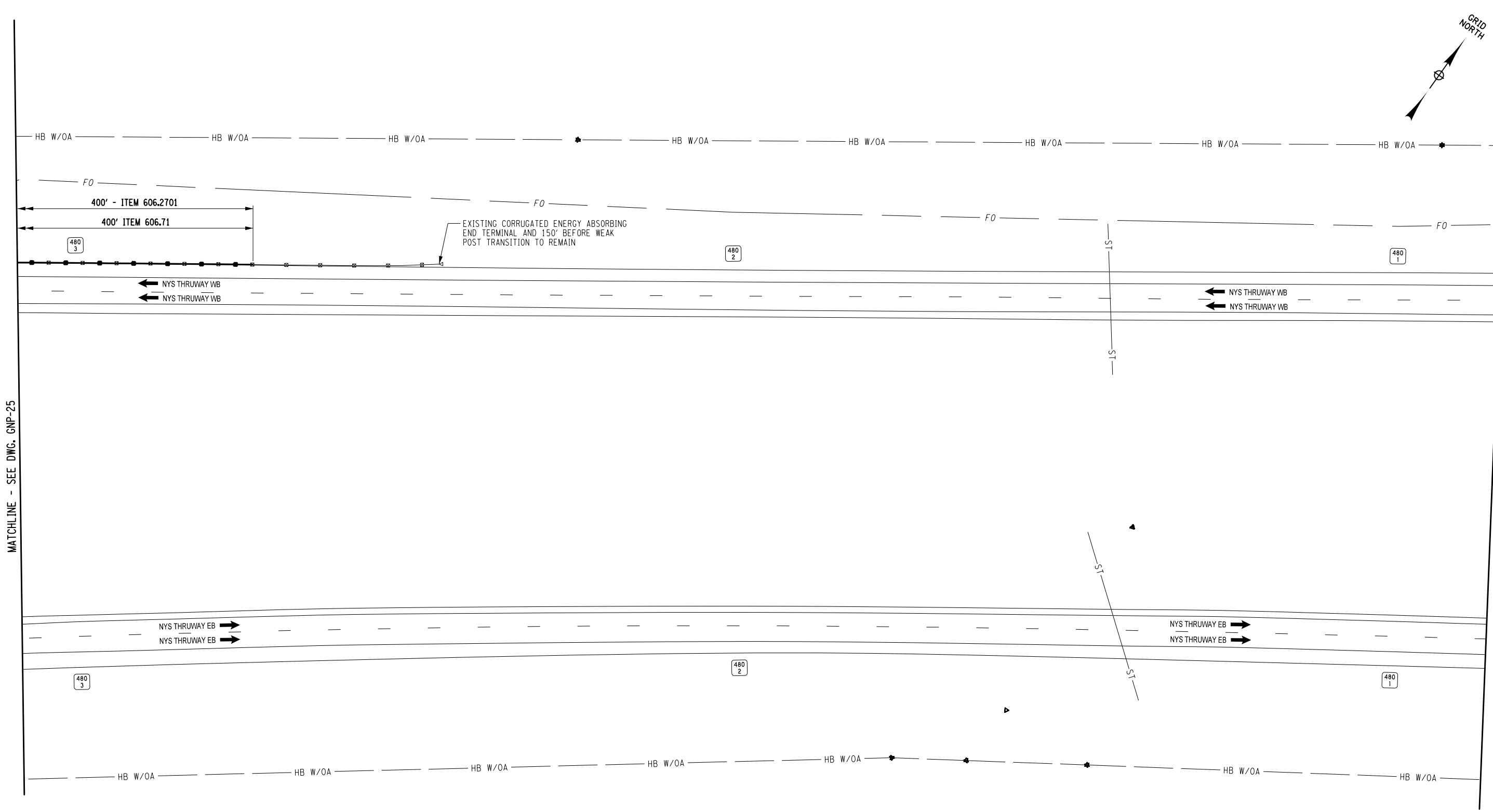
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LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-25

"BUFFALO 54  
ALBANY 332  
NEW YORK 480"  
REGRADE AROUND SIGN BASE  
WITH CRUSHED STONE  
SEE STANDARD SHEET TA 203-02  
ITEM 623.12

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.2703	ANCHORAGE UNITS FOR HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
623.12	CRUSHED STONE (IN-PLACE MEASURE)	CY



Plotted By: sromeliser  
Design File: 04050256-PF5501.dgn  
Project: 04050256-PF5501.dgn  
Date: 5/8/2025 8:27:08 AM  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Drafted By: S. ROMEISER  
Checked By: B. WALKER




ALTERED ON:


AFFIXED ON:  
05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway  
Authority



TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

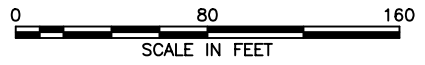
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GENERAL PLAN

CONTRACT NUMBER:  
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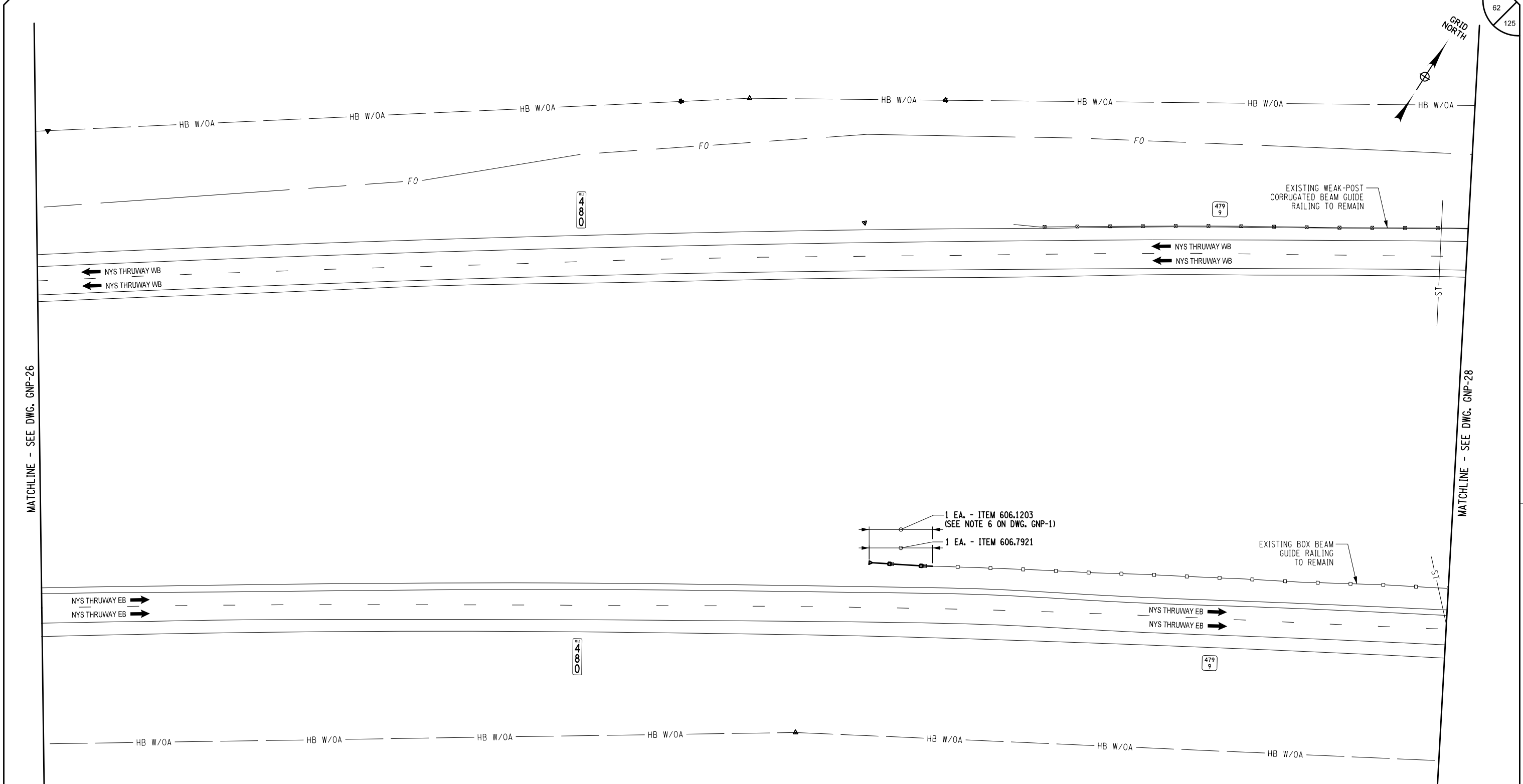
DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-26

ITEM	DESCRIPTION	UNIT
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF



Plotted By: sromeliser 04/05/2025 8:27:11 AM  
Design File: 04/05/2025 8:27:11 AM  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN  
Checked By: S. ROMEISER  
Drafted By: S. ROMEISER  
Checked By: B. WALKER





ALTERED ON:	AFFIXED ON: 05/09/2025

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-27	

Plotted By: sromeiser  
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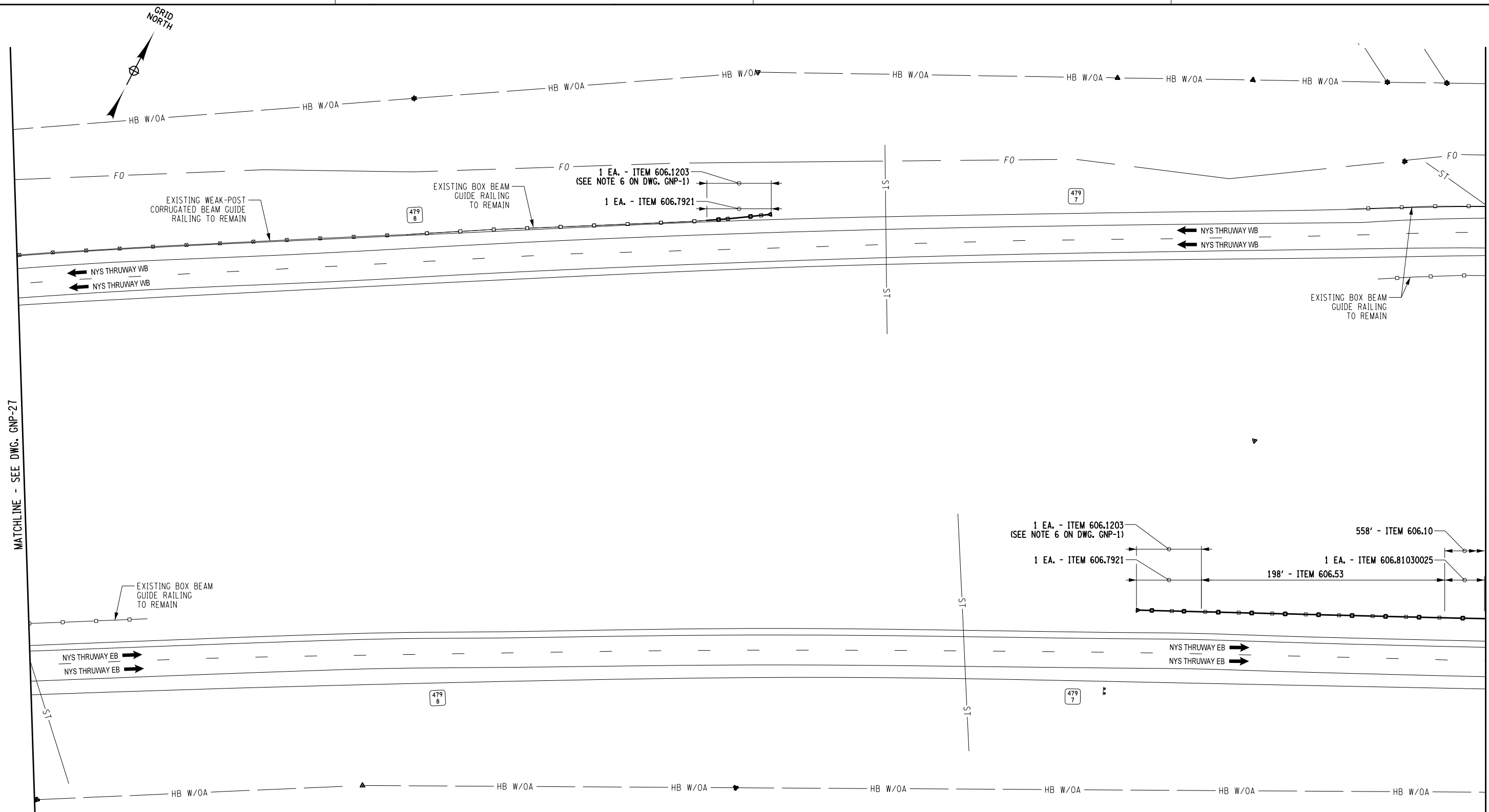
CHECKED BY: B. WALKER


DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

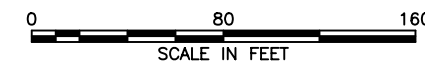
DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



ALTERED ON:	AFFIXED ON: 05/09/2025
	

ITEM	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.53	RESETTING BOX BEAM GUIDE RAILING	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.81030025	REMOVING AND DISPOSING GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION)	EA



REVISIONS			
DATE	DESCRIPTION	BY	SYM



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS		CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50		DATE: 05/09/2025
TITLE OF DRAWING  GENERAL PLAN		DRAWING NUMBER: GNP-28

Plotted By: sromeliser  
Design File: 04US0258-PF5501.dgn  
Plotted: 5/16/2025 3:25:49 PM

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

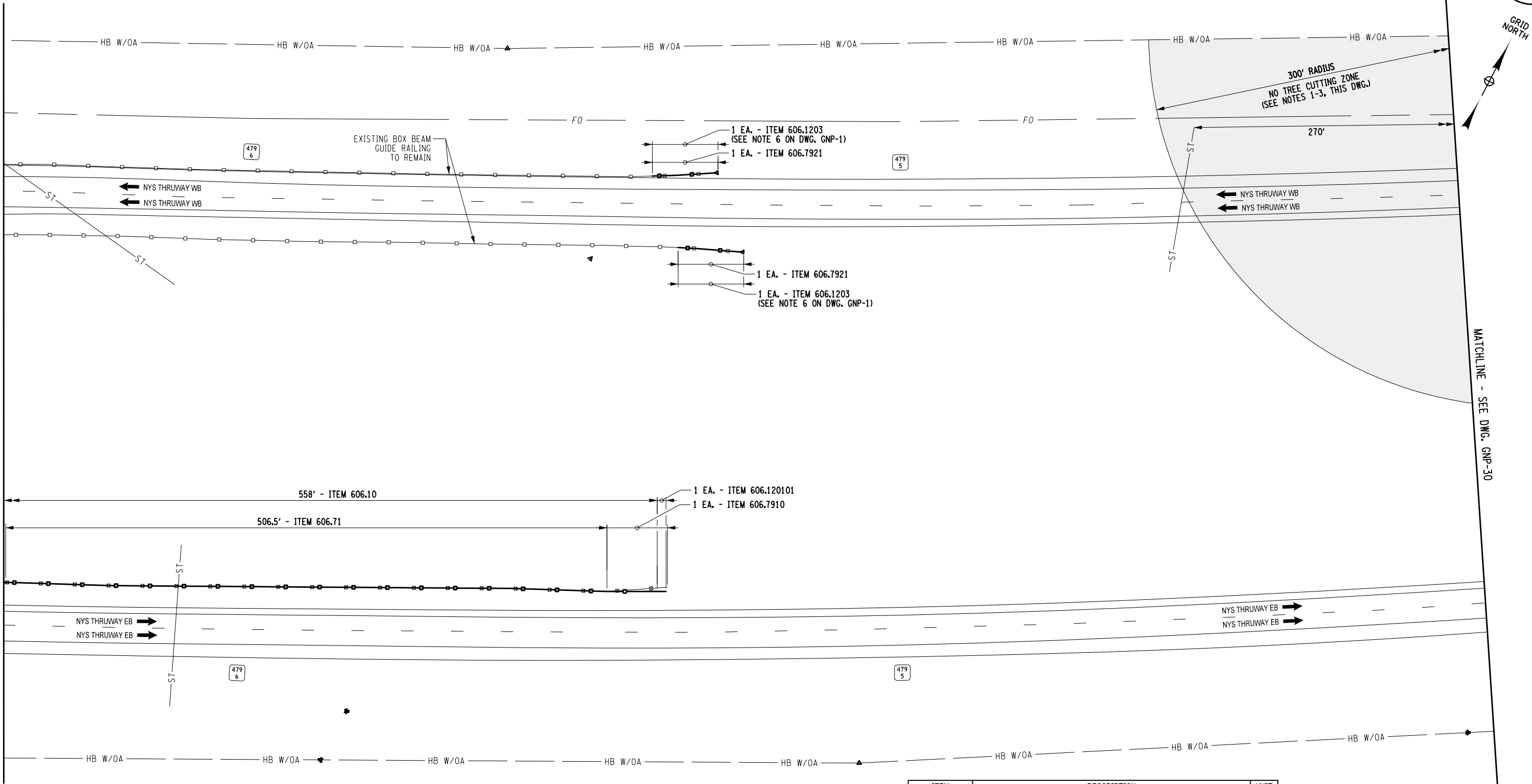
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-28

MATCHLINE - SEE DWG. GNP-30



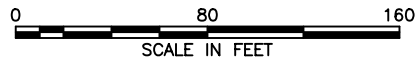
ALTERED ON:

AFFIXED ON: 05/09/2025

- NOTES:**
- NO TREES SHALL BE CUT OR REMOVED FROM THIS AREA WITHOUT PRIOR APPROVAL FROM NYSTA.
  - CONTACT NYSTA ENVIRONMENTAL SPECIALIST TOM MOORE (716) 635-6291, TWO (2) WEEKS PRIOR TO ACCESSING THIS AREA.
  - NYSTA ENVIRONMENTAL SPECIALIST SHALL BE ON SITE DURING ANY TREE REMOVAL ACTIVITIES IN THIS DESIGNATED AREA.

LEGEND	
	NO TREE CUTTING ZONE

ITEM	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.120101	BOX BEAM END PIECE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-29

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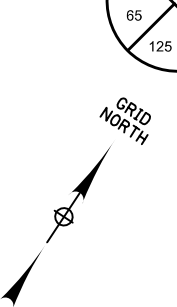
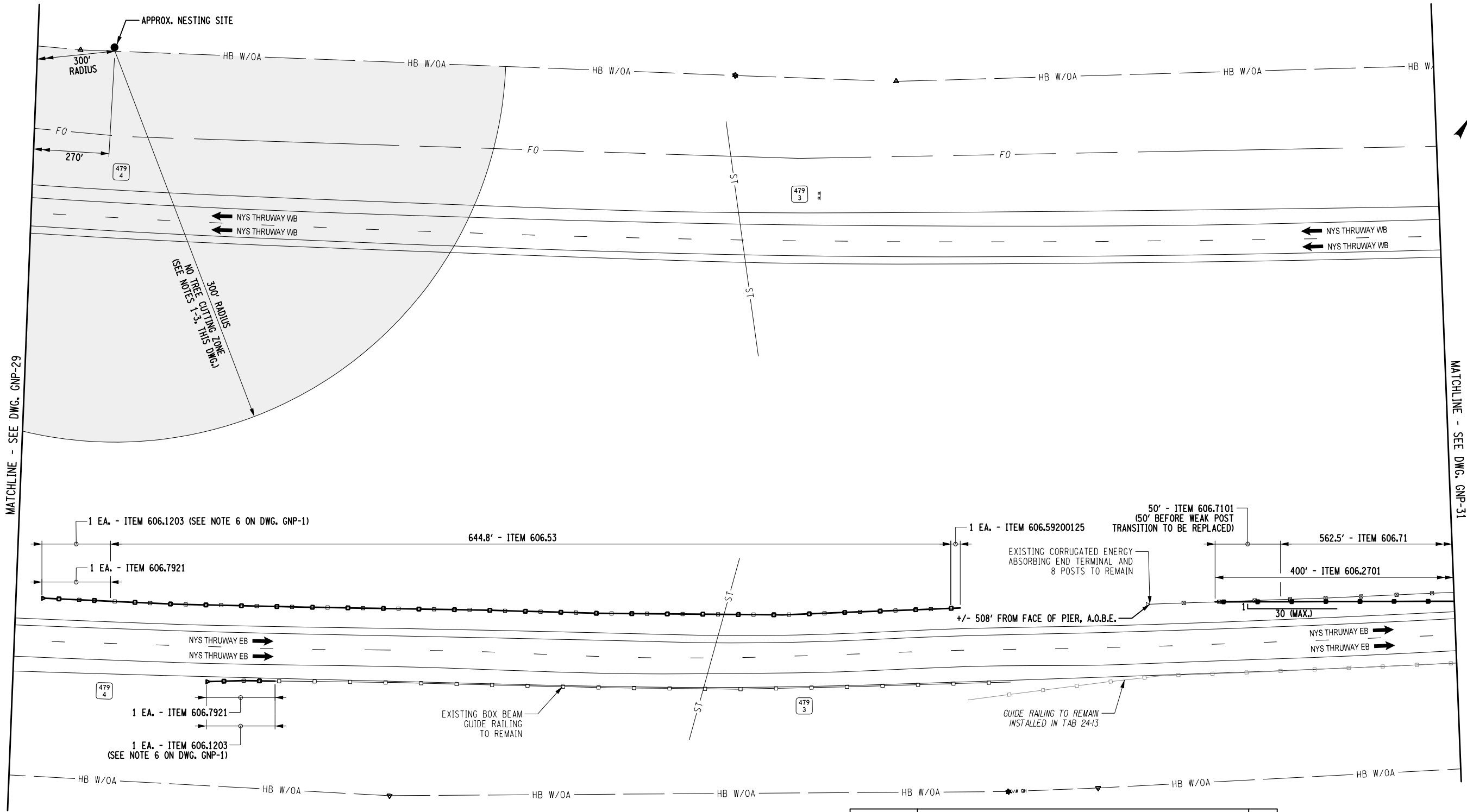
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

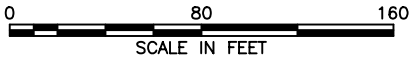


ALTERED ON: \_\_\_\_\_ AFFIXED ON: 05/09/2025

- NOTES:**
1. NO TREES SHALL BE CUT OR REMOVED FROM THIS AREA WITHOUT PRIOR APPROVAL FROM NYSTA.
  2. CONTACT NYSTA ENVIRONMENTAL SPECIALIST TOM MOORE (716) 635-6291, TWO (2) WEEKS PRIOR TO ACCESSING THIS AREA.
  3. NYSTA ENVIRONMENTAL SPECIALIST SHALL BE ON SITE DURING ANY TREE REMOVAL ACTIVITIES IN THIS DESIGNATED AREA.

LEGEND	
	NO TREE CUTTING ZONE

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-30

Plotted By: sromeliser  
Design File: 04US0258-PFF5501denared.projects\set19281047341transportation\design\drawingPhase 2\plans\GNP-31.dgn  
Plotted: 5/8/2025 8:27:24 AM

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

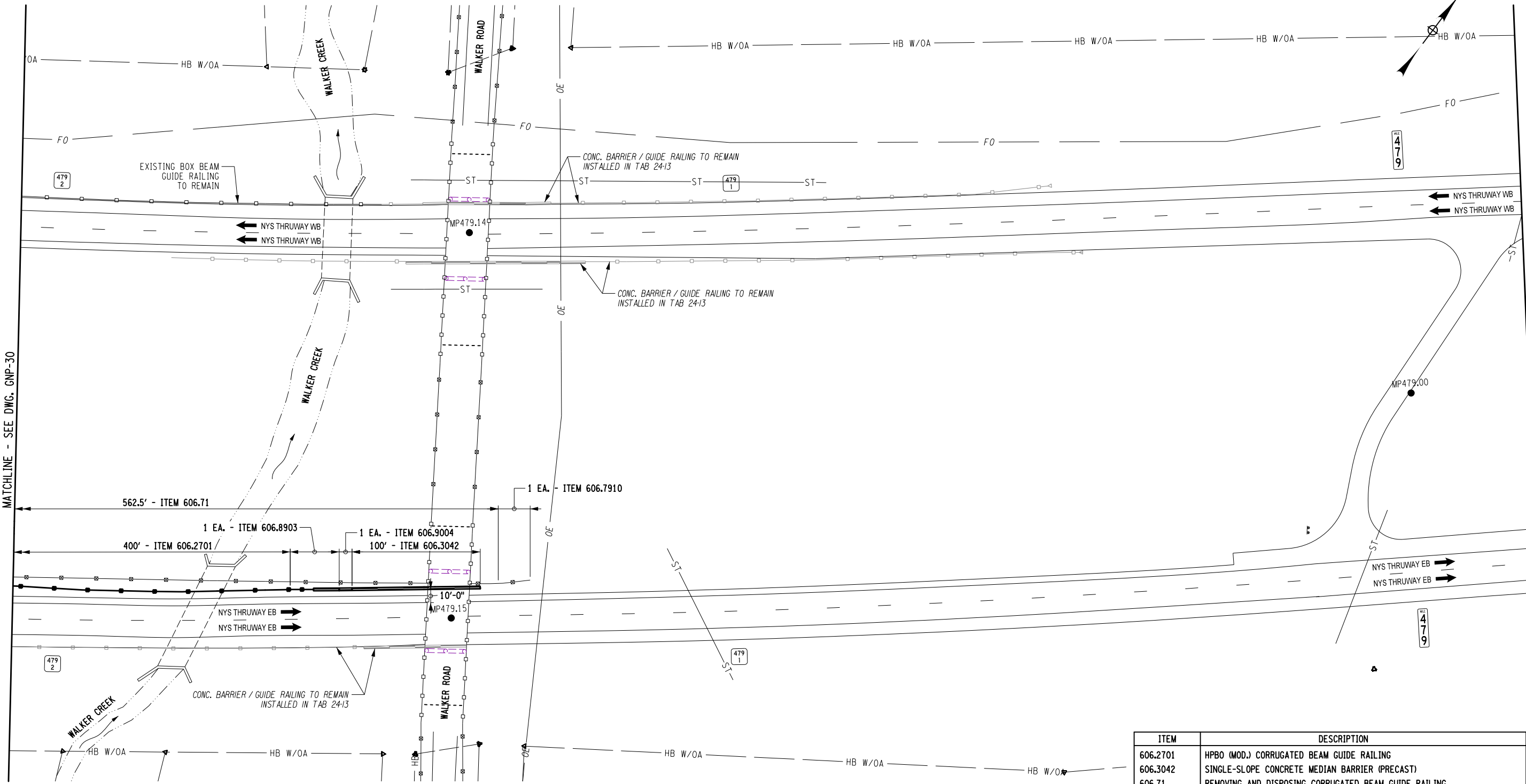
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

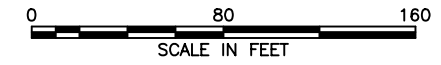
DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-30

MATCHLINE - SEE DWG. GNP-32



ITEM	DESCRIPTION	UNIT
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA
606.8903	TRANSITION: HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

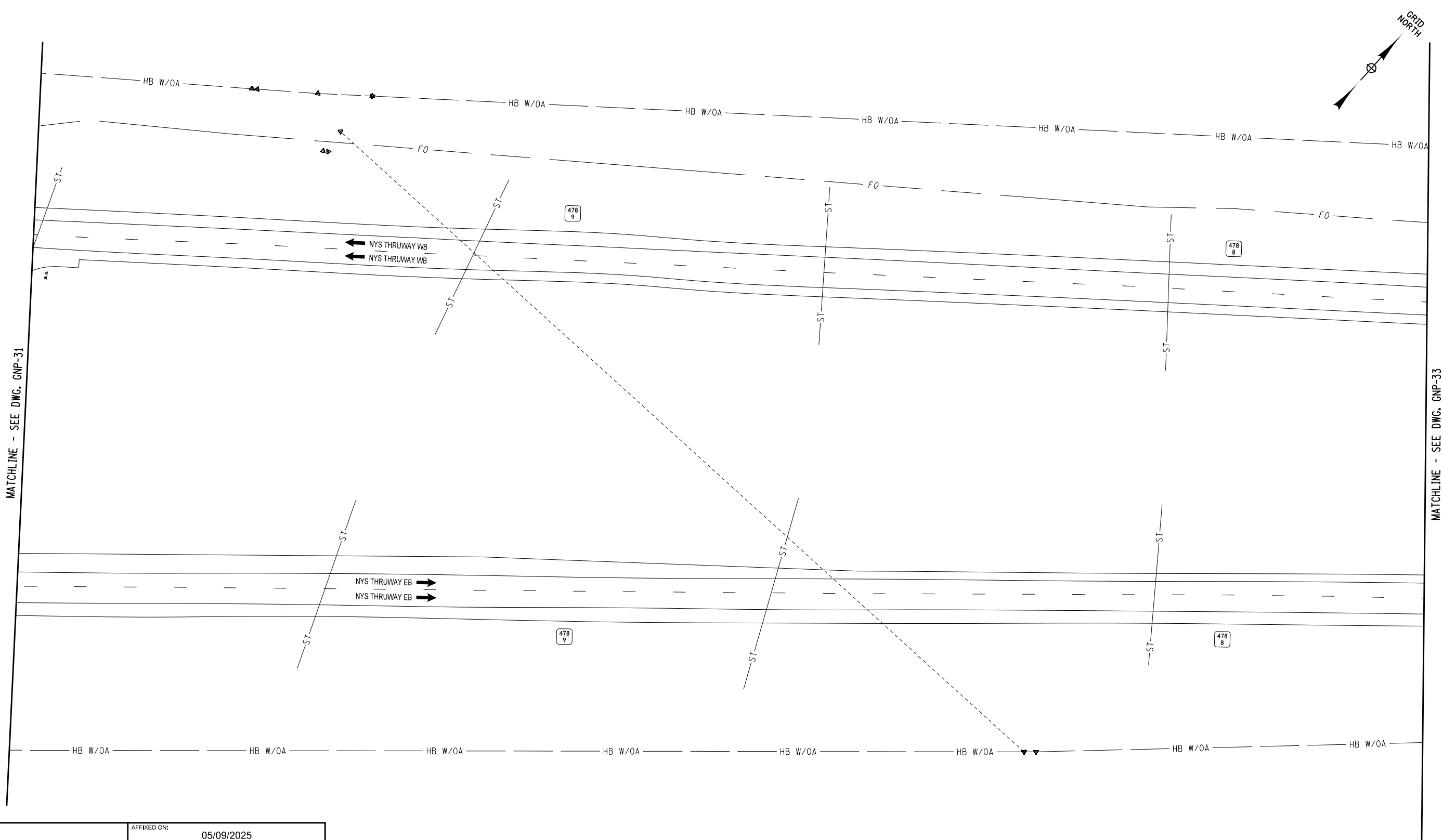
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DRAWING NUMBER:  
GNP-31

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Date: 5/8/2025 8:21:26 AM

DESIGNED BY: J. JOHNS  
CHECKED BY: B. WALKER  
DRAFTED BY: S. ROMEISER  
CHECKED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



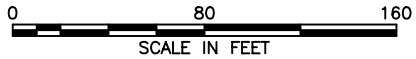
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-32



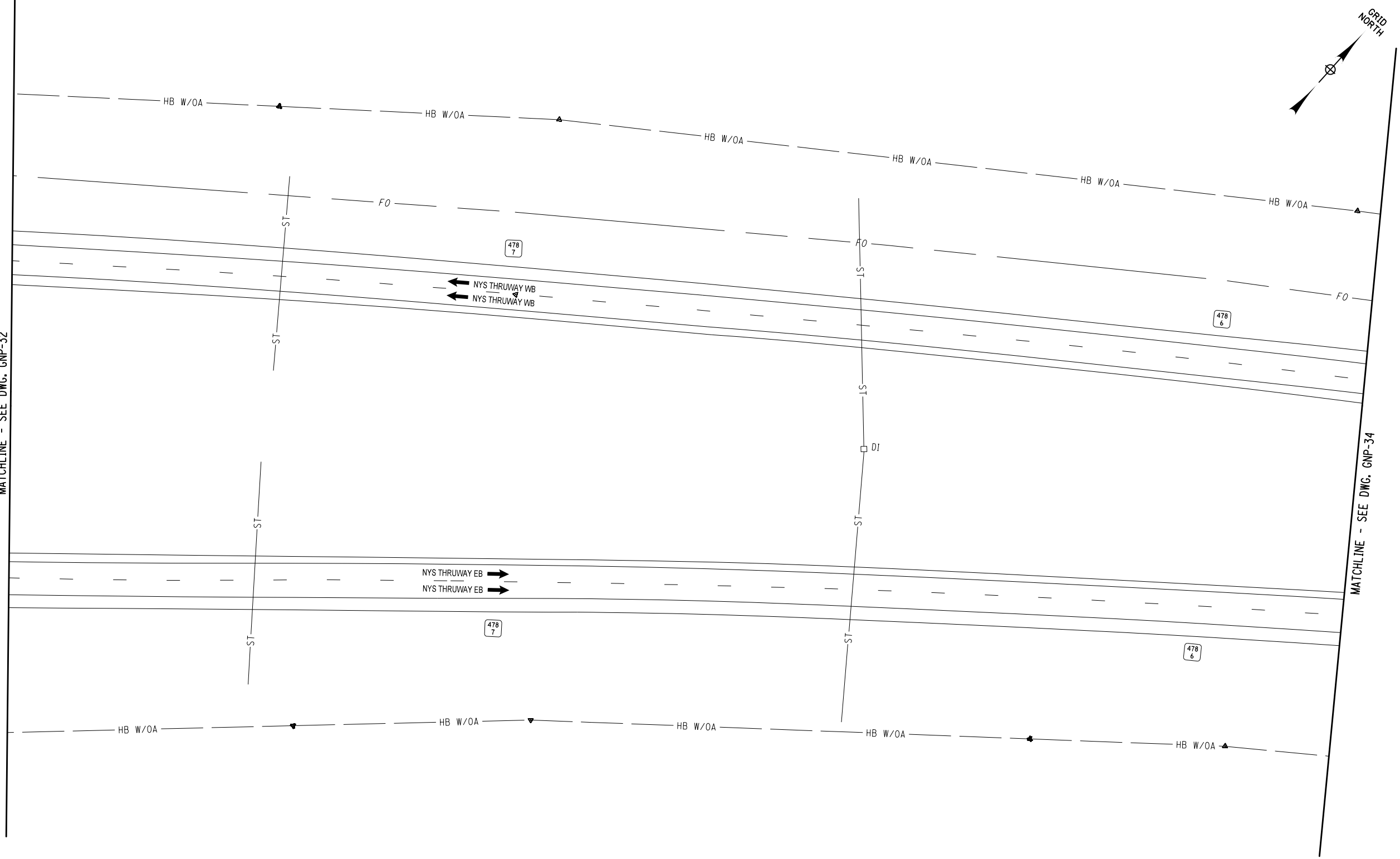
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Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN

04/05/2025 8:27:50 AM  
Checked By: S. ROMEISER  
Drafted By: S. ROMEISER

04/05/2025 8:27:50 AM  
Checked By: B. WALKER  
Checked By: B. WALKER

MATCHLINE - SEE DWG. GNP-32

MATCHLINE - SEE DWG. GNP-34



ALTERED ON:

AFFIXED ON: 05/09/2025

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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  
ROADSIDE SAFETY IMPROVEMENTS

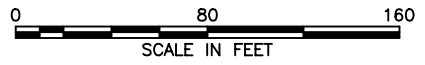
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-33



Plotted By: sromeiser  
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DRAFTED BY: S. ROMEISER

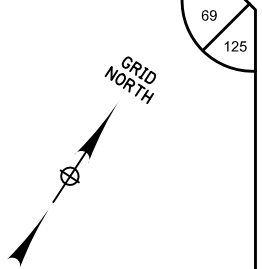
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-33

MATCHLINE - SEE DWG. GNP-35



ALTERED ON:	AFFIXED ON: 05/09/2025

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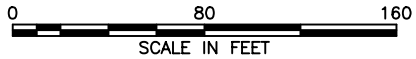
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DATE	DESCRIPTION	BY	SYM.



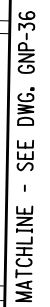
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TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-34



DESIGN SUPERVISOR: J. HOFMANN

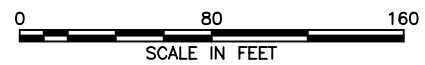


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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS		CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50		DATE: 05/09/2025
TITLE OF DRAWING  GENERAL PLAN		DRAWING NUMBER:  GNP-35



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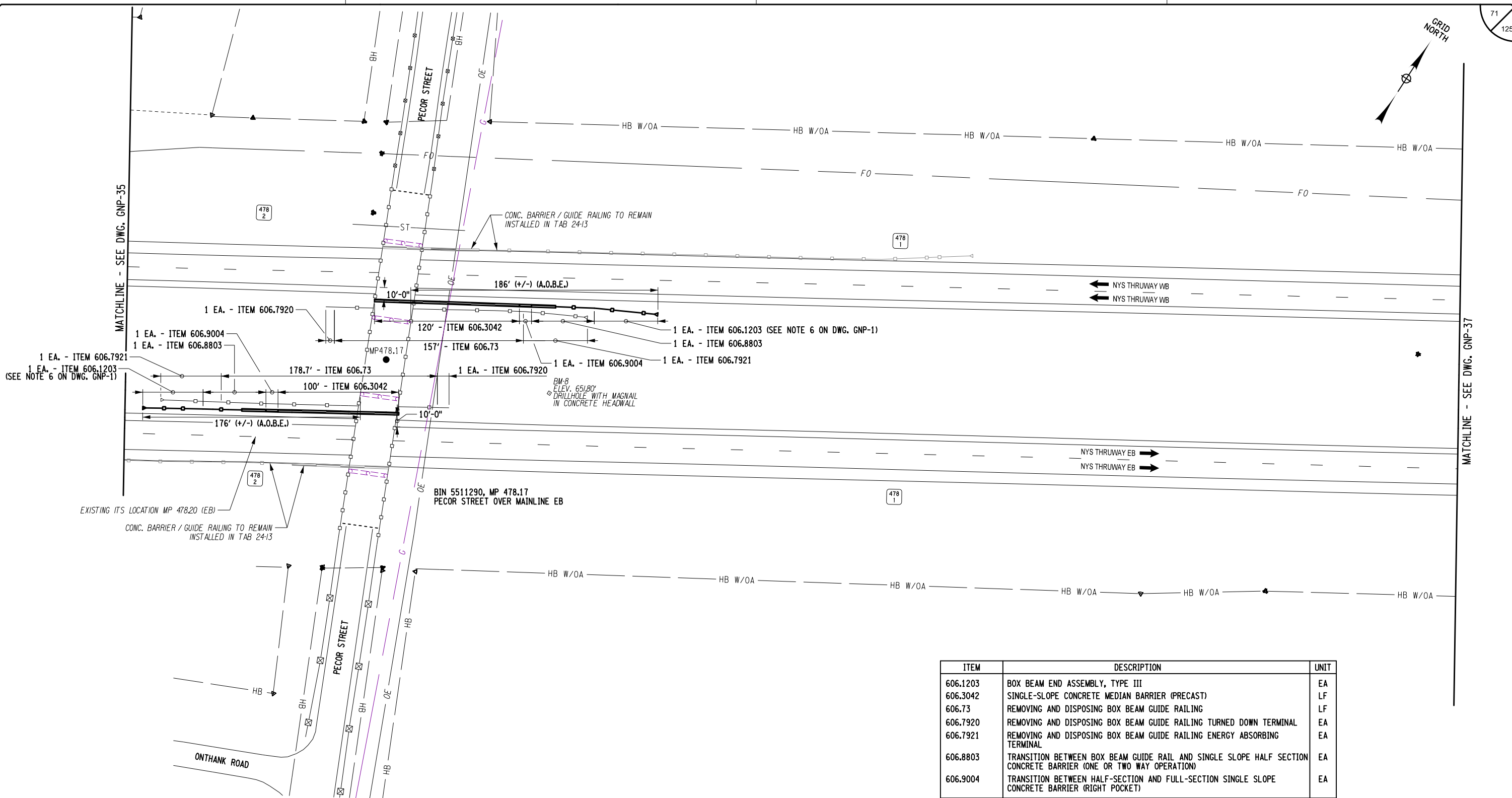
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA

ALTERED ON:

AFFIXED ON: 05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

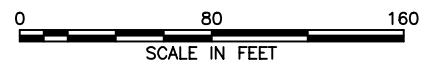
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MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

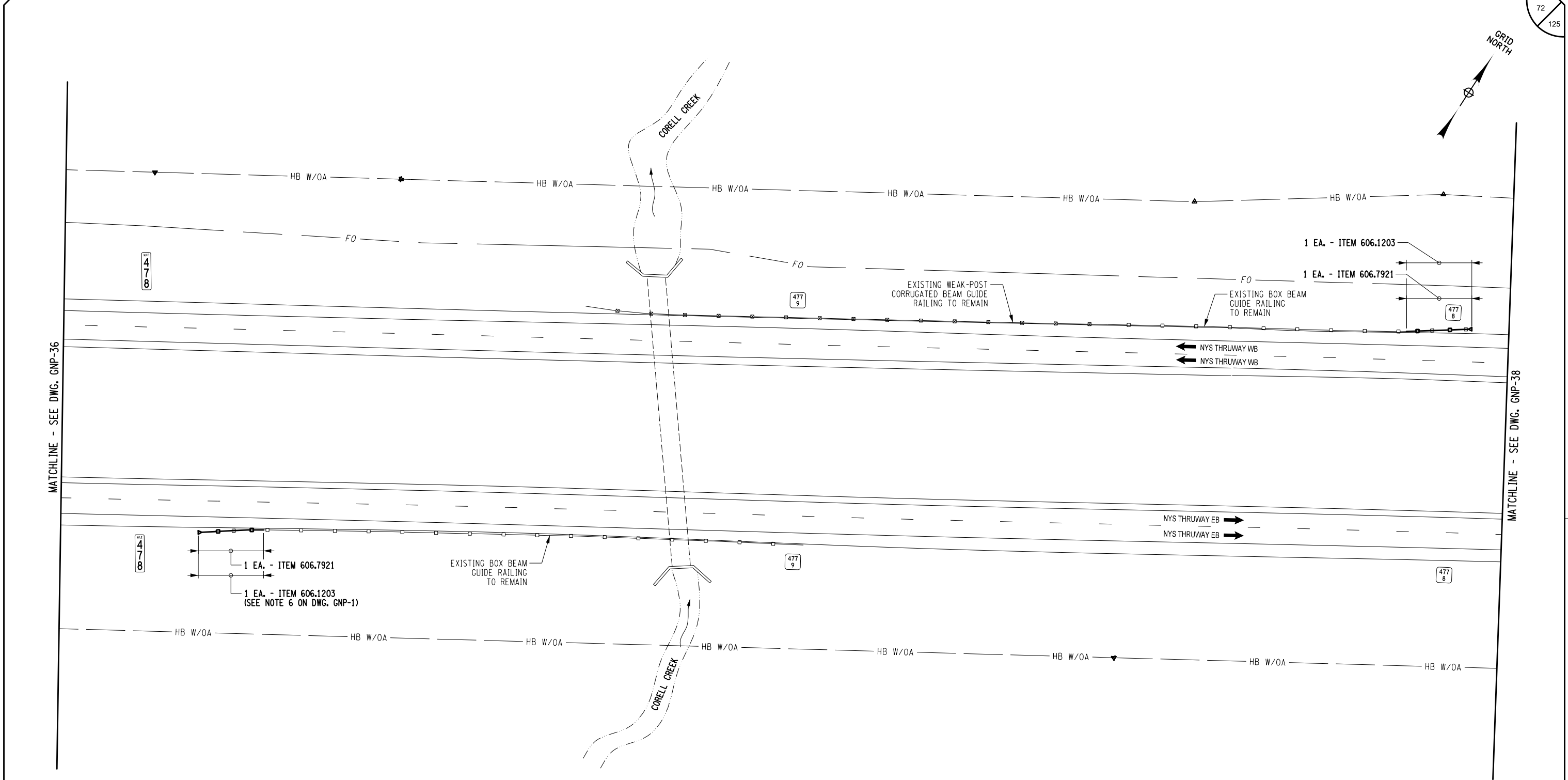
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CHECKED BY: B. WALKER  
DRAFTED BY: S. ROMEISER  
DESIGNED BY: J. JOHNS  
DESIGN SUPERVISOR: J. HOFMANN





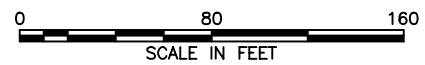
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA

 	TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN		DRAWING NUMBER: GNP-37



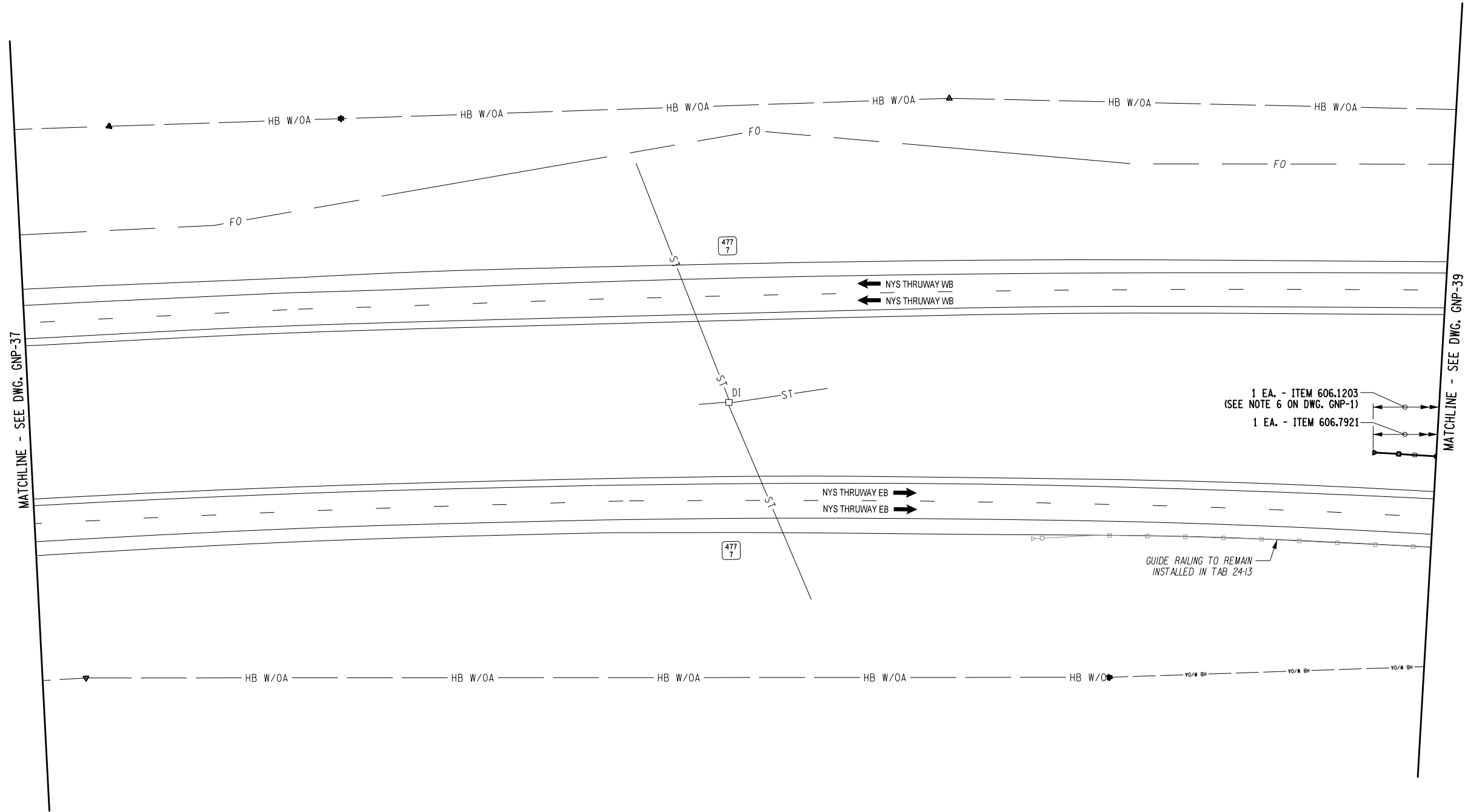
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5/8/2025 8:21:46 AM

Checked By: B. WALKER  
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Drafted By: S. ROMEISER

Designed By: B. WALKER

Design Supervisor: J. HOFMANN



ALTERED ON:

AFFIXED ON:  
05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

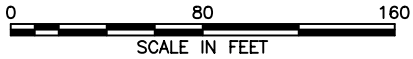
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GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
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ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA



Plotted By: sromeliser  
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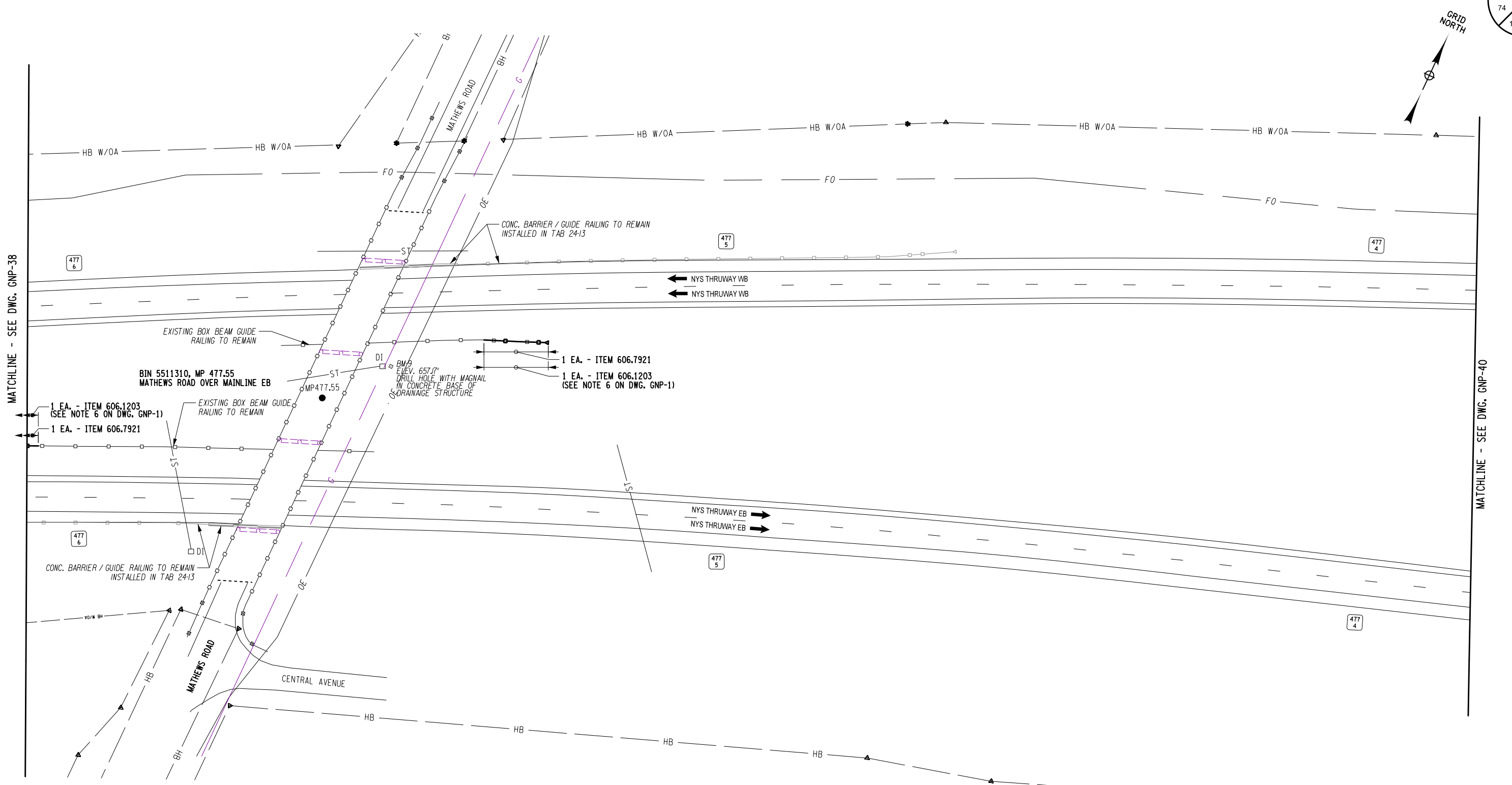
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA

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SCALE IN FEET

TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-39

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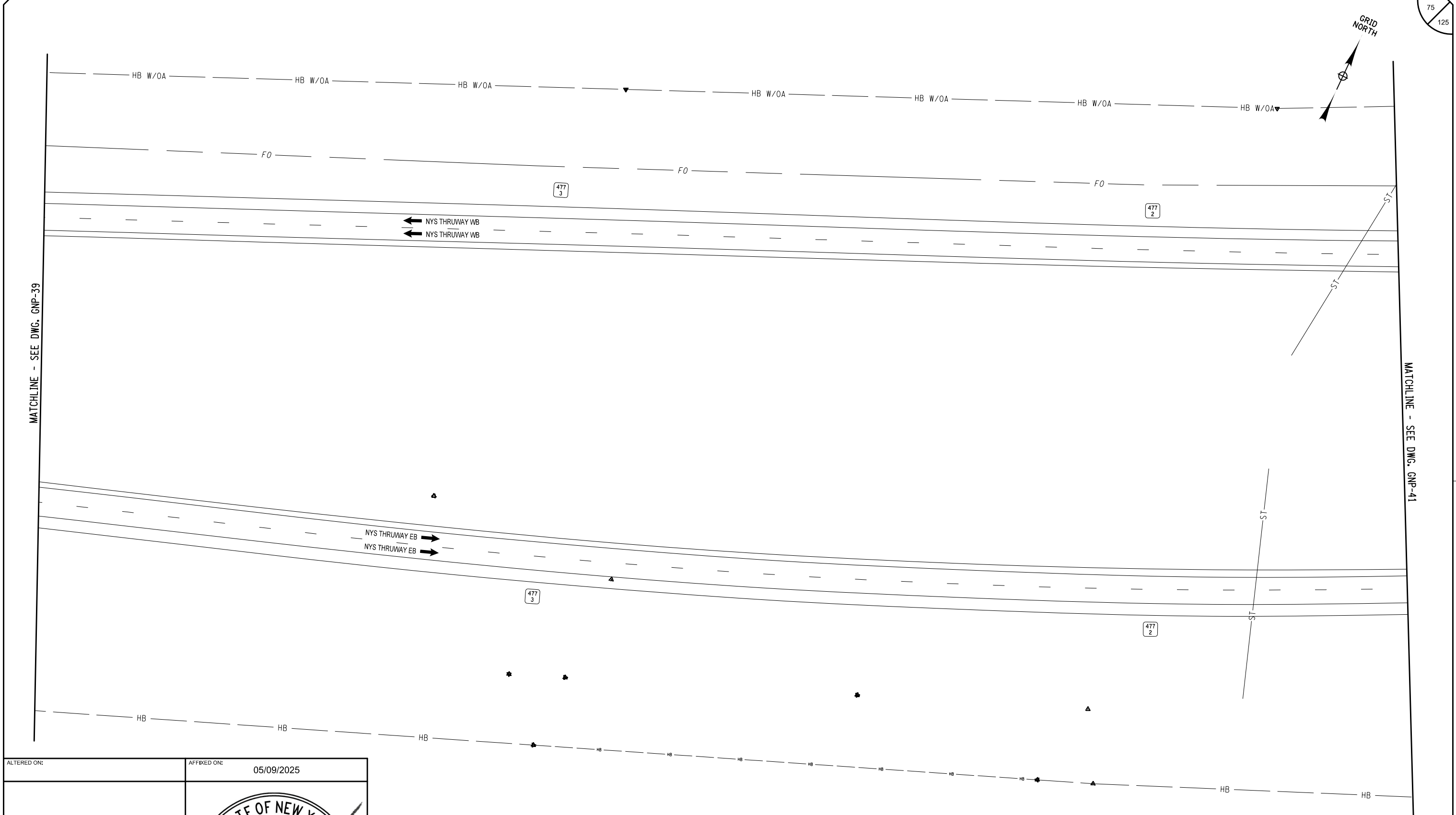
DESIGNED BY: J. JOHNS

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



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AFFIXED ON: 05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

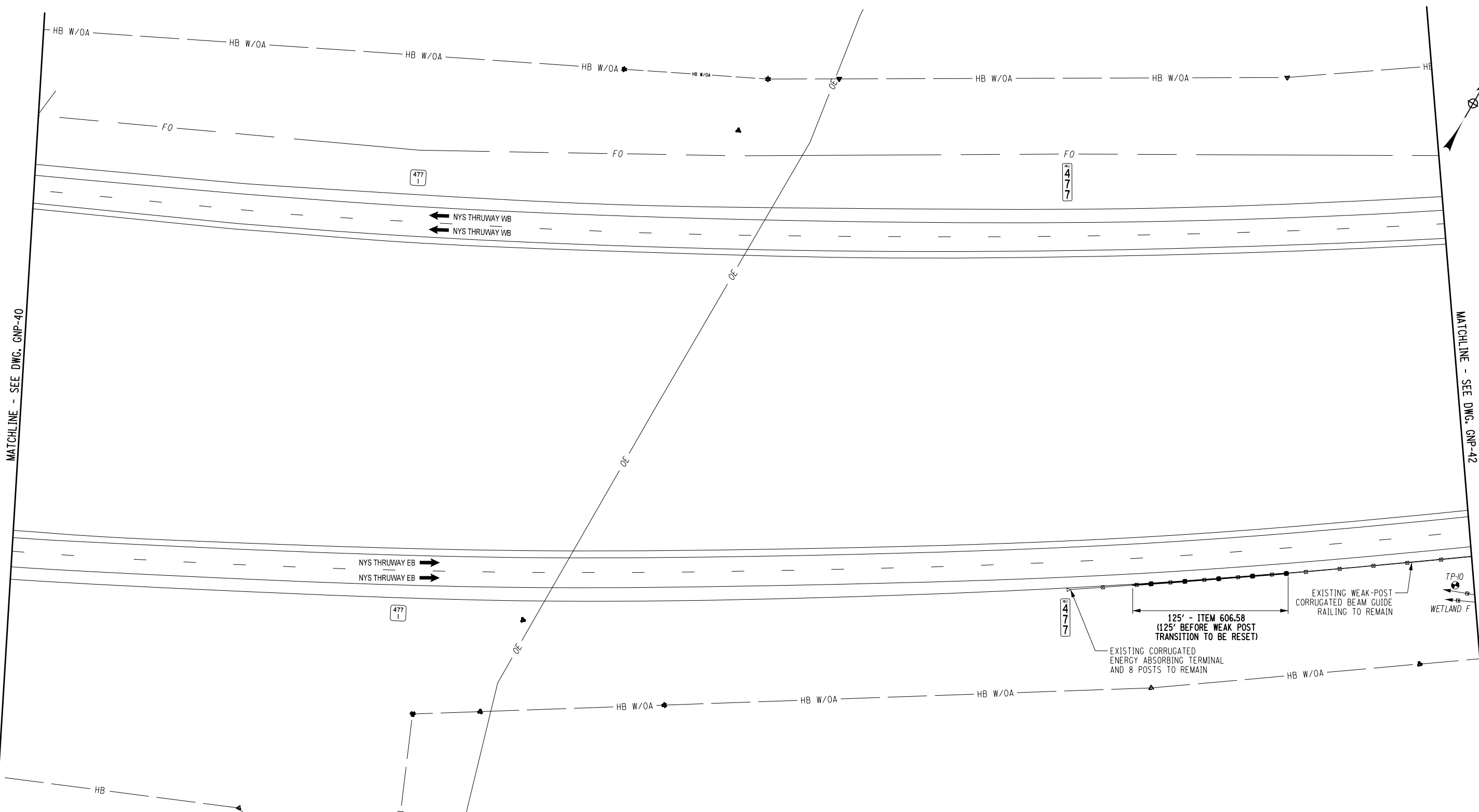
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Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN  
Drafted By: S. ROMEISER  
Checked By: B. WALKER

MATCHLINE - SEE DWG. GNP-40

MATCHLINE - SEE DWG. GNP-42



ALTERED ON:

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05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

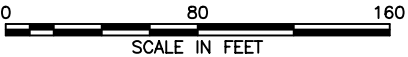
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GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-41

ITEM	DESCRIPTION	UNIT
606.58	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED GUIDE RAILING	LF



Plotted By: sromeliser  
Design File: 04US0258-PF5501denared.projects\1928104734transportation\design\drawingPhase 2\plans\GNP\0214811-03\_cph-gnp-GNP42.dgn  
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CHECKED BY: B. WALKER

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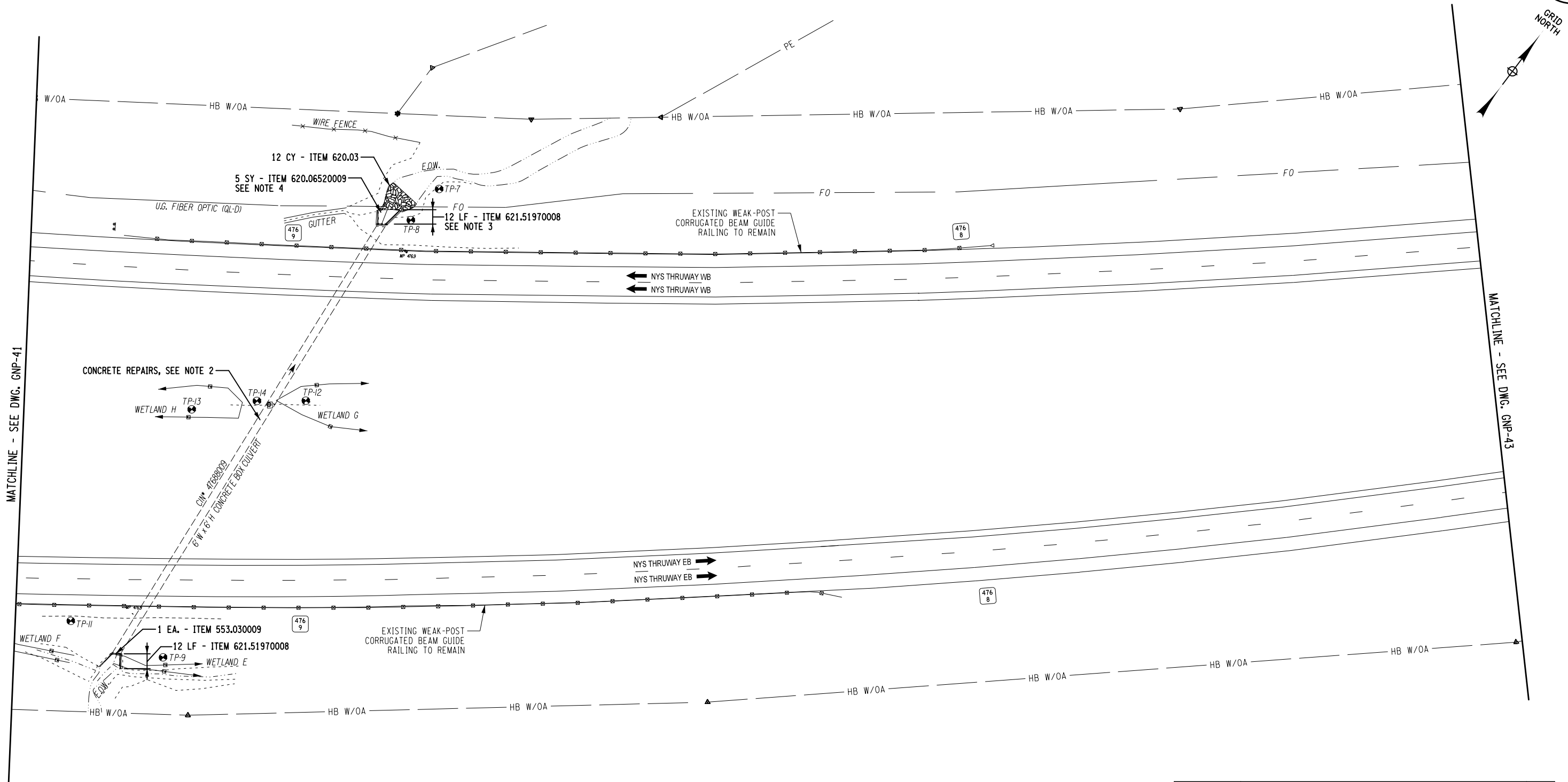
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DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-41

MATCHLINE - SEE DWG. GNP-43



ALTERED ON:	AFFIXED ON: 05/09/2025

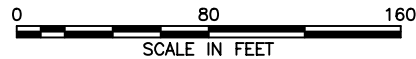
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NOTES:

- FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
- FOR DETAILS SEE DRAINAGE CONCRETE REPAIR DETAIL MP 476.88, DWG. DD-9.
- FOR DETAILS SEE CLEANING AND RESHAPING DETAILS, DWG. DD-1.
- STONE THAT WAS INTENDED TO ARMOR THE BANK HAS FALLEN ONTO THE CONCRETE APRON. THIS STONE SHOULD BE RESET ON THE BANK.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

ITEM	DESCRIPTION	UNIT
553.030009	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
620.06520009	RESET EXISTING STONE FILLING	SY
620.03	STONE FILLING (LIGHT)	CY
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF



 	TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-42

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CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

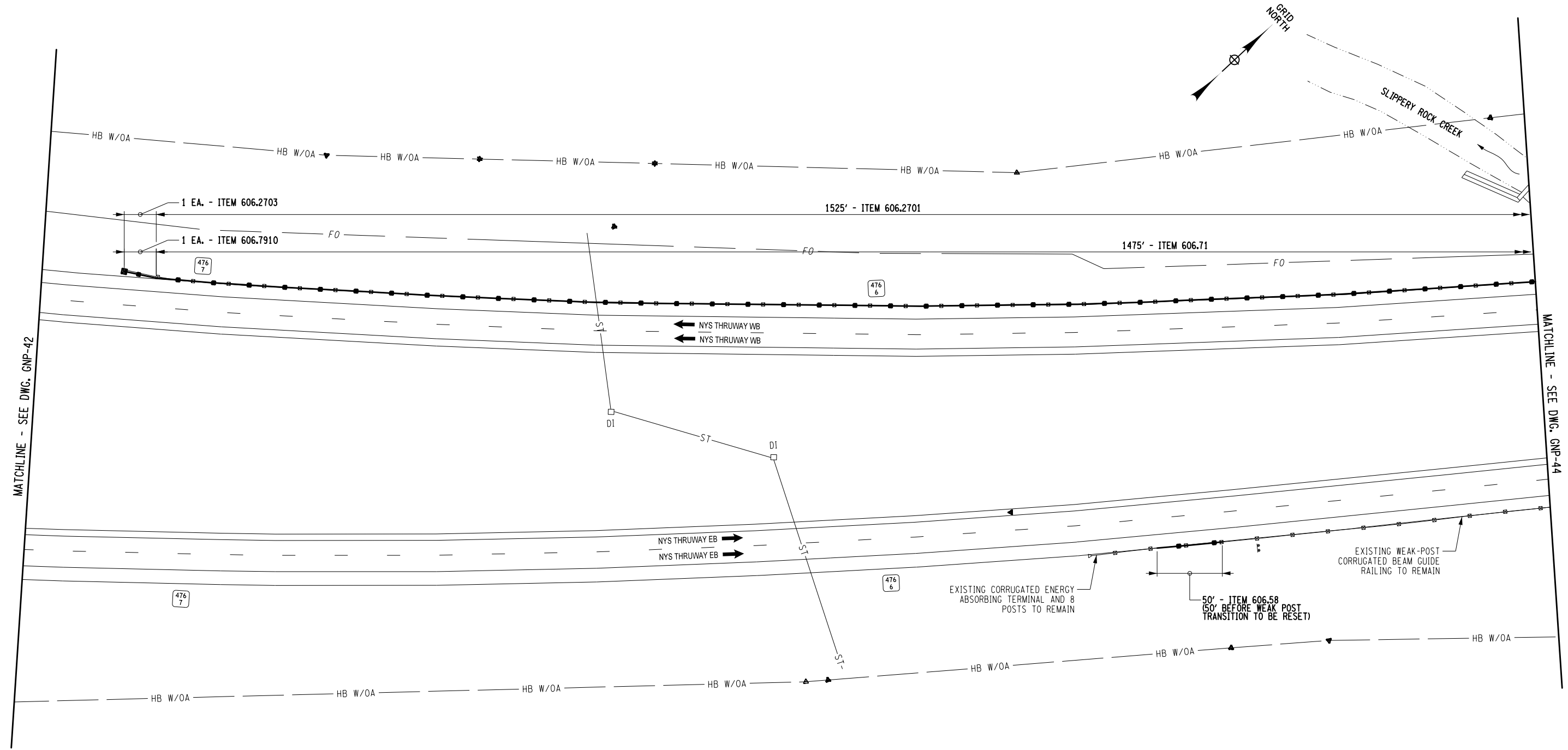
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-42

MATCHLINE - SEE DWG. GNP-44



ALTERED ON:	AFFIXED ON: 05/09/2025

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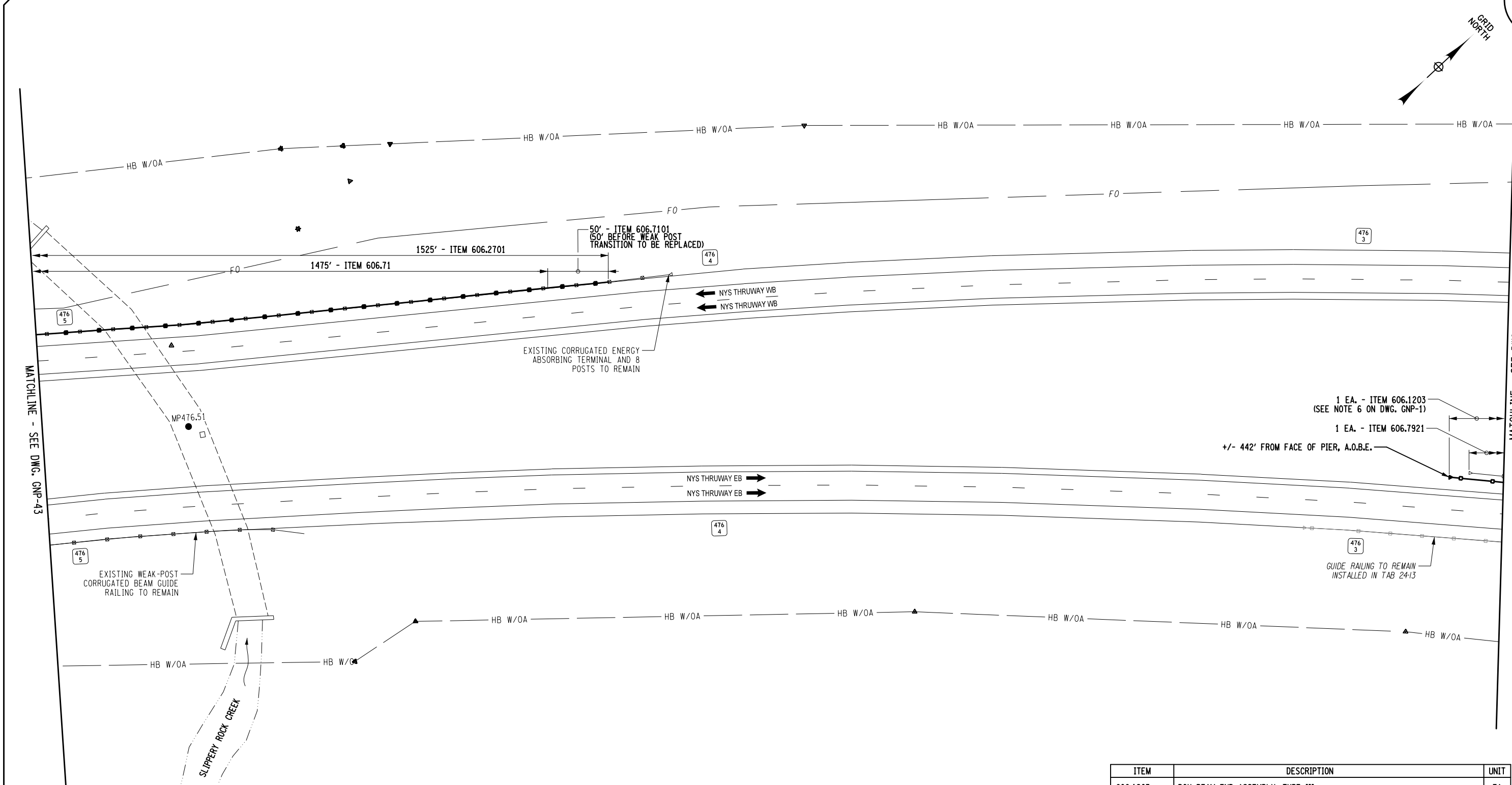
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

ITEM	DESCRIPTION	UNIT
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.2703	ANCHORAGE UNITS FOR HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	EA
606.58	RESETTING HEAVY POST BLOCKED OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA

TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-43

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SCALE IN FEET



Plotted By: sromeliser 04/05/2025 8:28:21 AM  
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Checked By: J. JOHNS  
Designed By: B. WALKER  
Drafted By: S. ROMEISER  
Checked By: B. WALKER  
Design Supervisor: J. HOFMANN

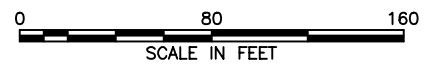


ALTERED ON:	05/09/2025

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 ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-44



Plotted By: sromeliser  
Design File: 04US0258-PF5501.dgn  
Project: 04US0258-PF5501.dgn  
Date: 5/8/2025  
Checked By: J. JOHNS

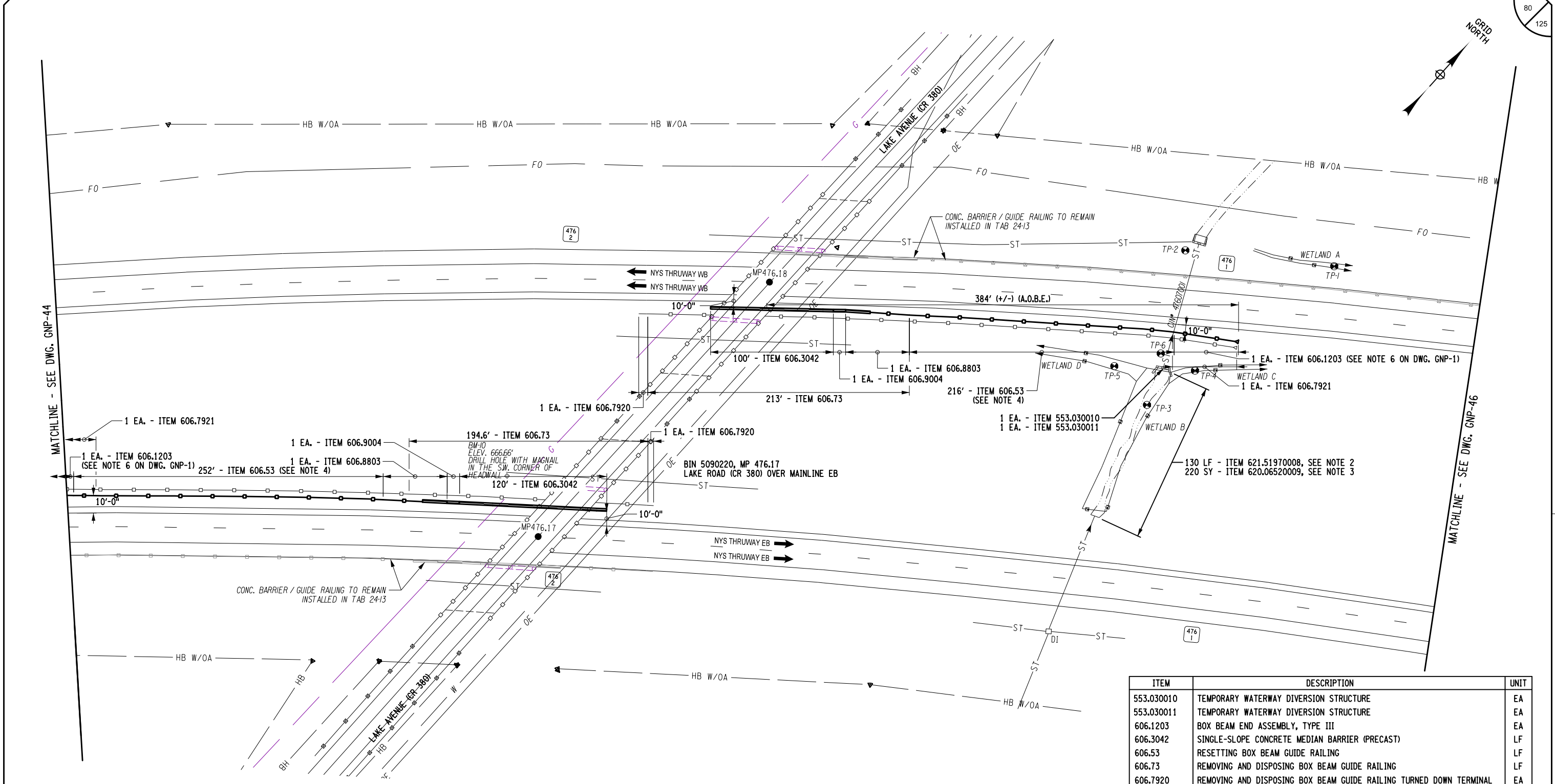
DESIGNED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

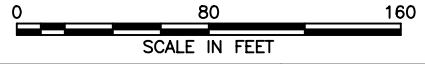
DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



ITEM	DESCRIPTION	UNIT
553.030010	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
553.030011	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA
620.06520009	RESET EXISTING STONE FILLING	SY
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF

- NOTES:
- FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
  - FOR DETAILS SEE CLEANING AND RESHAPING DETAILS, DWG. DD-1.
  - ANY STONE FILLING THAT IS DISTURBED DUE TO STREAM RESHAPING SHALL BE RESET TO ITS ORIGINAL STATE.
  - GUIDE RAIL TO BE RESET SHALL BE LOCATED 10' FROM THE EDGE OF TRAVEL LANE PARALLEL TO THE EDGE LINE.



ALTERED ON:

AFFIXED ON: 05/09/2025

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  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

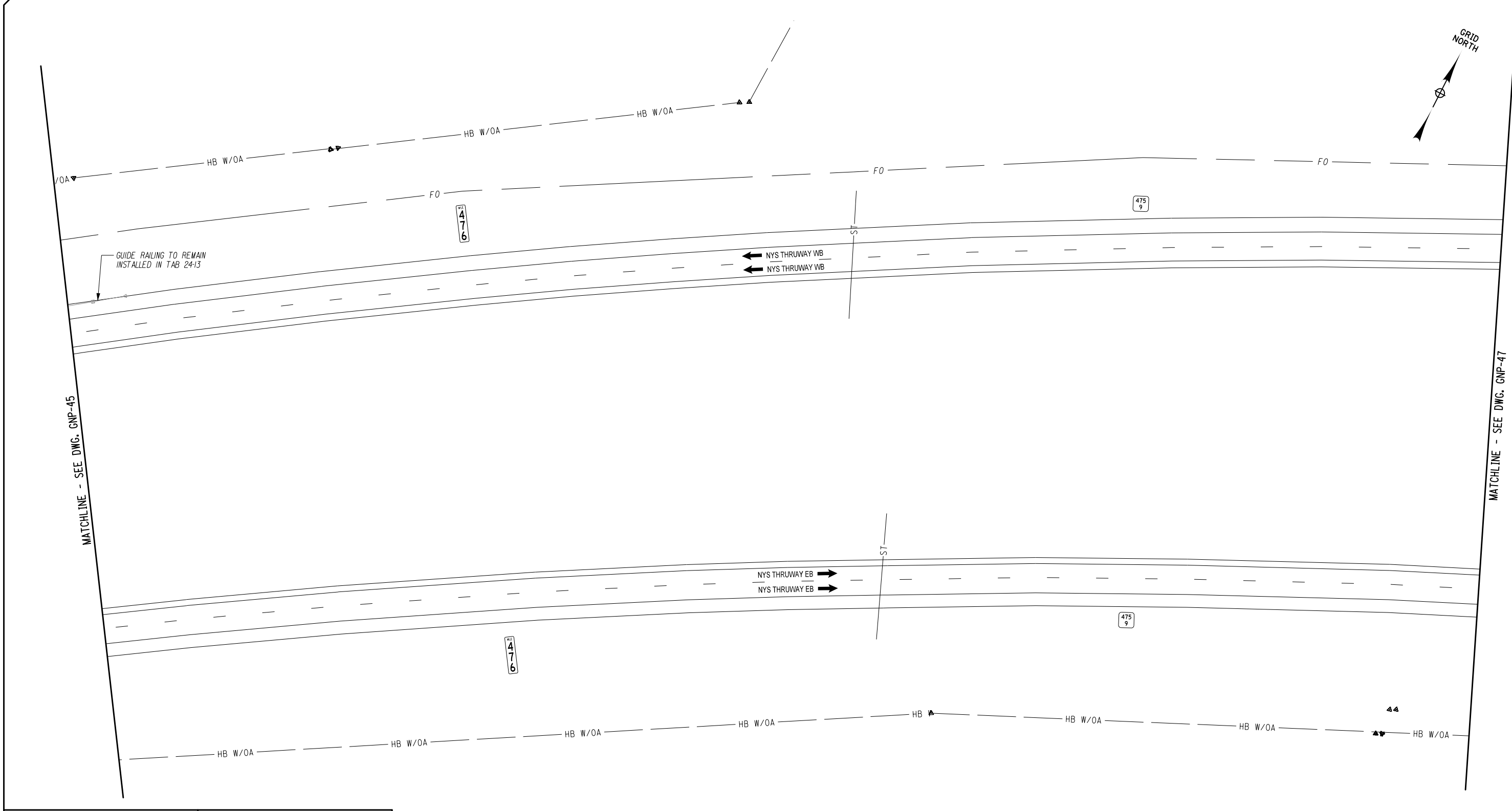
DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-45

Plotted By: sromeliser  
Design File: 04050256-PFF 5501.dgn  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN

8/28/2025 8:28:28 AM

Checked By: S. ROMEISER  
Drafted By: S. ROMEISER  
Checked By: B. WALKER



ALTERED ON:

AFFIXED ON: 05/09/2025

THIS DRAWING IS SHOWN FOR CONTINUITY PURPOSES;  
THERE IS NO WORK ON THIS DRAWING.

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  
ROADSIDE SAFETY IMPROVEMENTS

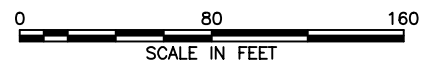
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-46



Plotted By: sromeliser  
Design File: 04US0258-PF5501denared.projects\1928104734\transportation\design\drawing\Phase 2\plans\GNP\0214811-03\_coh-gnp-GNP47.dgn  
Plotted: 5/8/2025 8:28:31 AM

CHECKED BY: J. JOHNS  
DRAFTED BY: S. ROMEISER  
CHECKED BY: B. WALKER

DESIGNED BY: B. WALKER


DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-46

MATCHLINE - SEE DWG. GNP-48

ALTERED ON:

AFFIXED ON:  
05/09/2025



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.

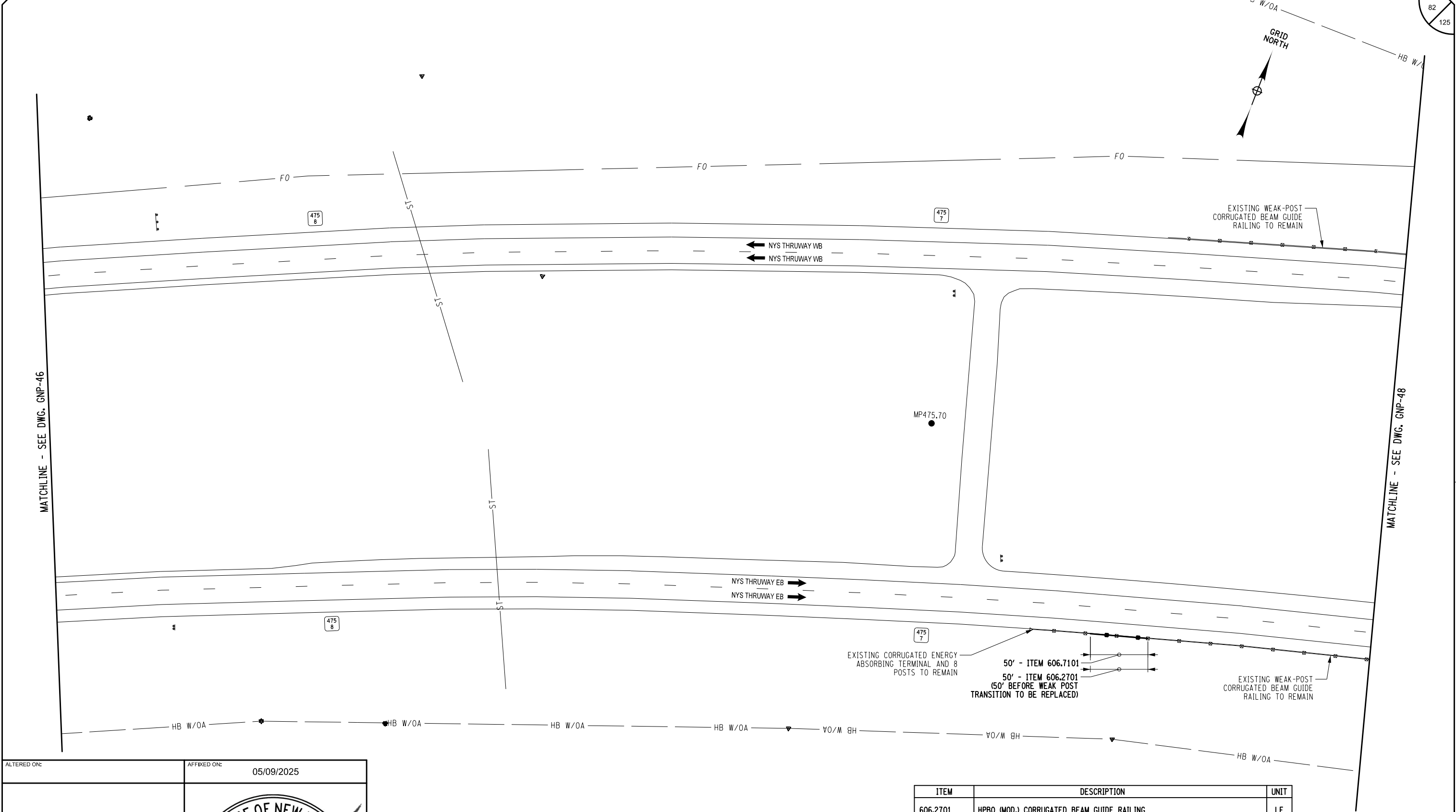
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DATE	DESCRIPTION	BY	SYM.



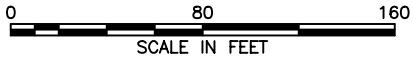
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Authority



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-47



ITEM	DESCRIPTION	UNIT
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF



Plotted By: sromeliser  
Design File: 04US0258-PF5501denared.projects\1928104734transportation\design\drawingPhase 2\plans\GNP-47.dgn  
8/28/2025 8:28:54 AM

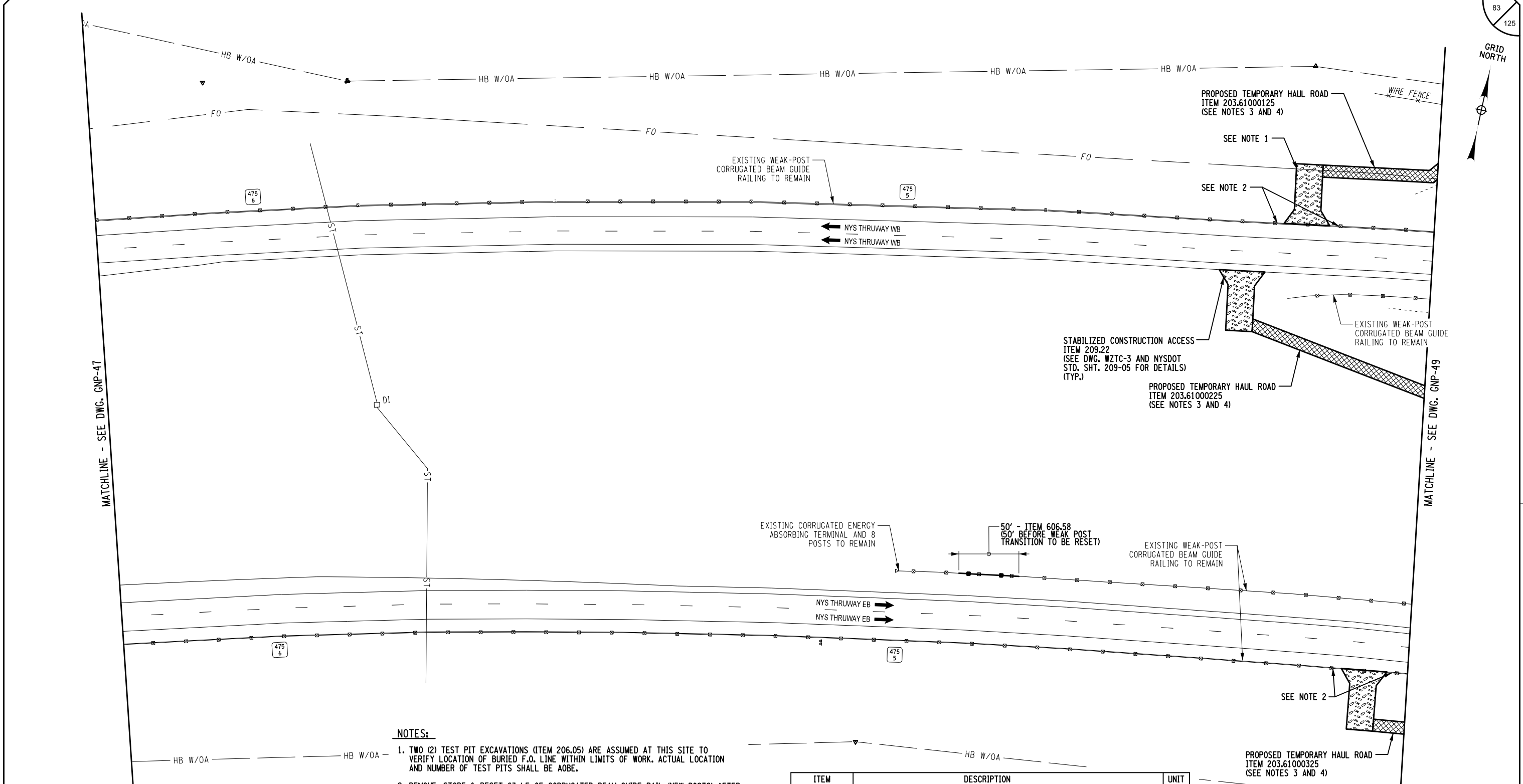
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



**NOTES:**

1. TWO (2) TEST PIT EXCAVATIONS (ITEM 206.05) ARE ASSUMED AT THIS SITE TO VERIFY LOCATION OF BURIED F.O. LINE WITHIN LIMITS OF WORK. ACTUAL LOCATION AND NUMBER OF TEST PITS SHALL BE AOB.
2. REMOVE, STORE & RESET 63 LF OF CORRUGATED BEAM GUIDE RAIL (NEW POSTS) AFTER REMOVAL OF THE TEMPORARY HAUL ROAD, ITEM 606.5148.
3. EROSION AND SEDIMENT CONTROL FOR THE CONSTRUCTION OF TEMPORARY HAUL ROADS SHALL BE PROVIDED AS REQUIRED BY SECTION 209 AND AS DIRECTED BY THE ENGINEER. COST OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INCLUDED UNDER ITEM 203.61000X25.
4. PROVIDE CLEARING AND GRUBBING ASSOCIATED WITH CONSTRUCTING AND MAINTAINING TEMPORARY HAUL ROADS, ITEM 201.07000004.
5. TEMPORARY POSITIVE BARRIER SHALL BE PUT IN PLACE PRIOR TO THE REMOVAL OF THE EXISTING GUIDE RAIL. SEE DWG. WZTC-3 FOR DETAILS.

ITEM	DESCRIPTION	UNIT
201.07000004	CLEARING AND GRUBBING	SY
203.61000125	TEMPORARY HAUL ROAD	LS
203.61000225	TEMPORARY HAUL ROAD	LS
203.61000325	TEMPORARY HAUL ROAD	LS
206.05	TEST PIT EXCAVATION	EA
209.22	STABILIZED CONSTRUCTION ACCESS	SY
606.5148	RESETTING CORRUGATED BEAM GUIDE RAILING (NEW POSTS)	LF
606.58	RESETTING HEAVY POST BLOCKED OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway  
Authority**



TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS  
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50  
TITLE OF DRAWING  
GENERAL PLAN

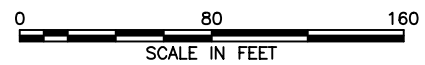
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DATE:  
05/09/2025  
DRAWING NUMBER:  
GNP-48



MATCHLINE - SEE DWG. GNP-48

DESIGN SUPERVISOR: J. HOFMANN

Plotted By: sromeiser  
Design File: ØØUS0258-F  
Plotted: 5/8/2025



ITEM	DESCRIPTION	UNIT
553.030012	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
553.030013	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
553.030014	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
620.03	STONE FILLING (LIGHT)	CY
621.02	CLEANING CULVERTS WITH SPAN OF MORE THAN 50 IN.	LF
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF

1. FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
2. FOR DETAILS SEE DRAINAGE CONCRETE REPAIR DETAIL MP 475.35, DWG. DD-10.
3. FOR DETAILS SEE CLEANING AND RESHAPING DETAILS, DWG. DD-1.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Plotted By: sromeliser  
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Project: 04US0258-PF5501.dgn  
Date: 5/8/2025 8:28:53 AM  
Checked By: J. JOHNS  
Drafted By: S. ROMEISER  
Checked By: B. WALKER

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

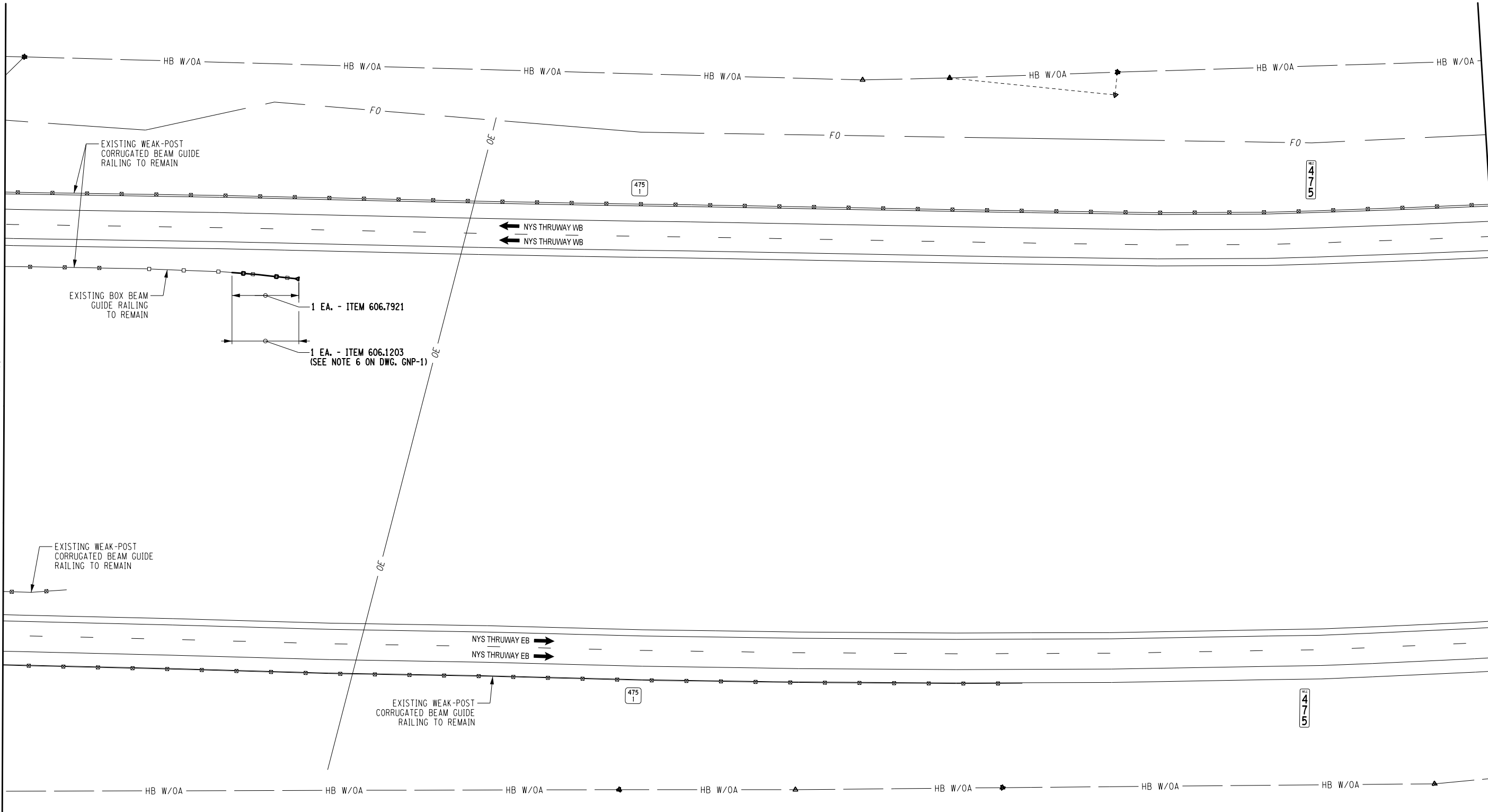
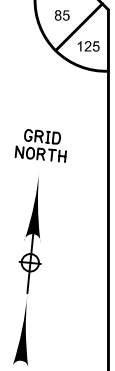
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-49

MATCHLINE - SEE DWG. GNP-51



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05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

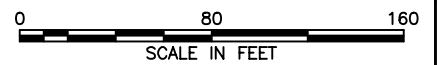
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GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-50

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA



Plotted By: sromeliser  
Design File: 04US0256-PF5501.dgn  
Plot Date: 5/8/2025 8:28:58 AM

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

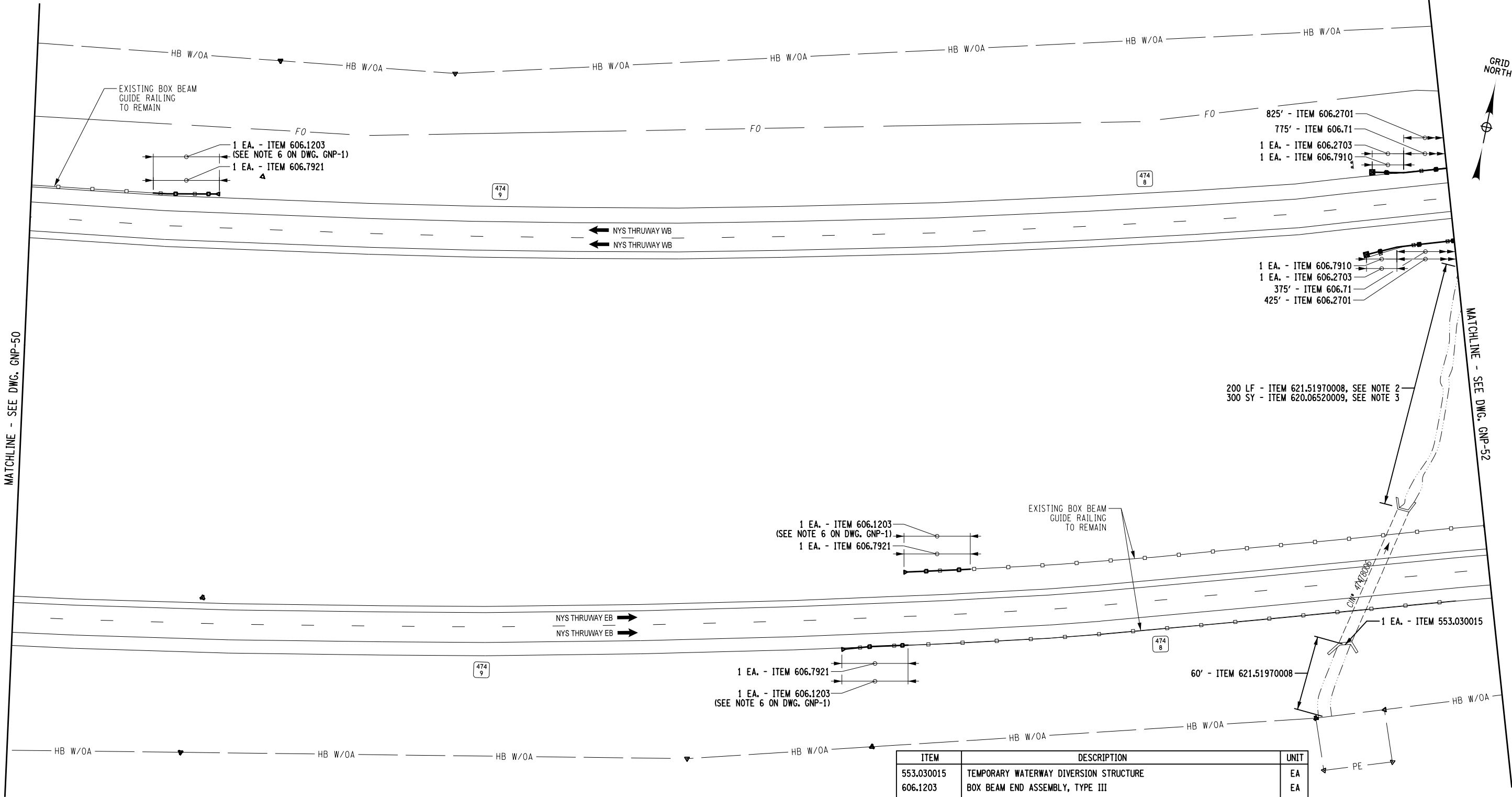
DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-50



86  
125



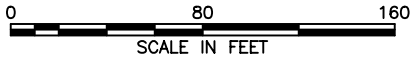
ALTERED ON:

AFFIXED ON:  
05/09/2025

- NOTES:
- FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
  - FOR DETAILS SEE CLEANING AND RESHAPING DETAILS, DWG. DD-1.
  - ANY STONE FILLING THAT IS DISTURBED DUE TO STREAM RESHAPING SHALL BE RESET TO ITS ORIGINAL STATE.

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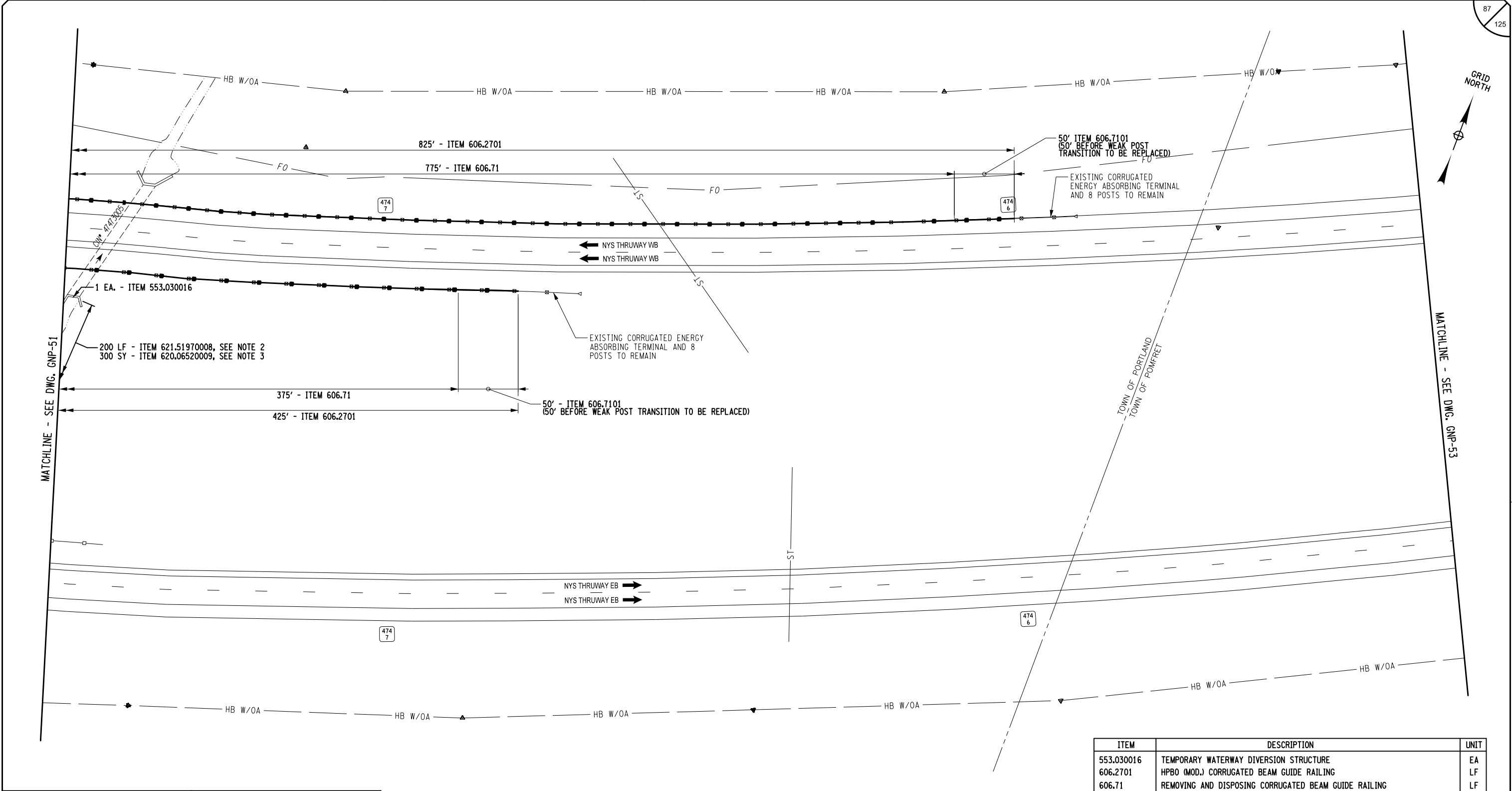
ITEM	DESCRIPTION	UNIT
553.030015	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.2703	ANCHORAGE UNITS FOR HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
620.06520009	RESET EXISTING STONE FILLING	SY
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF



REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-51



ALTERED ON:	AFFIXED ON: 05/09/2025

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NOTES:

- FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
- FOR DETAILS SEE CLEANING AND SHAPING DETAILS, DWG. DD-1.
- ANY STONE FILLING THAT IS DISTURBED DUE TO STREAM RESHAPING SHALL BE RESET TO ITS ORIGINAL STATE.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

ITEM	DESCRIPTION	UNIT
553.030016	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
620.06520009	RESET EXISTING STONE FILLING	SY
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF

	TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-52



GRID  
NORTH

MATCHLINE - SEE DWG. GNP-52

**MATCHLINE - SEE DWG. GNP-54**

Figure 1 illustrates the experimental design, showing a sequence of four trials. Each trial consists of a Horizontal Bar (HB) and a Without OA (W/OA) section. The HB section is further divided into HB and W/OA sub-sections. The W/OA section is also divided into W/OA and HB sub-sections. The sequence of trials is: Trial 1 (HB, W/OA), Trial 2 (HB, W/OA), Trial 3 (HB, W/OA), and Trial 4 (HB, W/OA). The HB section of each trial is connected to the W/OA section of the next trial by a diagonal line.


— FO —


— FO

— FO

474  
5474  
4

← NYS THRUWAY WB  
← NYS THRUWAY WB

NYS THRUWAY EB 

NYS THRUWAY EB 

474  
547  
4

A horizontal timeline diagram illustrating the sequence of events. The timeline starts at the left with "HB W/OA". It proceeds through several segments, each labeled "HB W/OA". Key features include:

- An inverted triangle marker on the first segment.
- A dashed diagonal line pointing upwards from a point on the timeline.
- A triangle marker on one of the later segments.
- The timeline ends on the right with "HB W/OA -".

ALTERED ON:	AFFIXED ON: 05/09/2025
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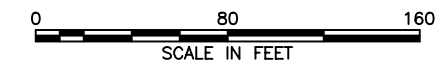
THIS DRAWING IS SHOWN FOR CONTINUITY PURPOSES;  
THERE IS NO WORK ON THIS DRAWING.

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.

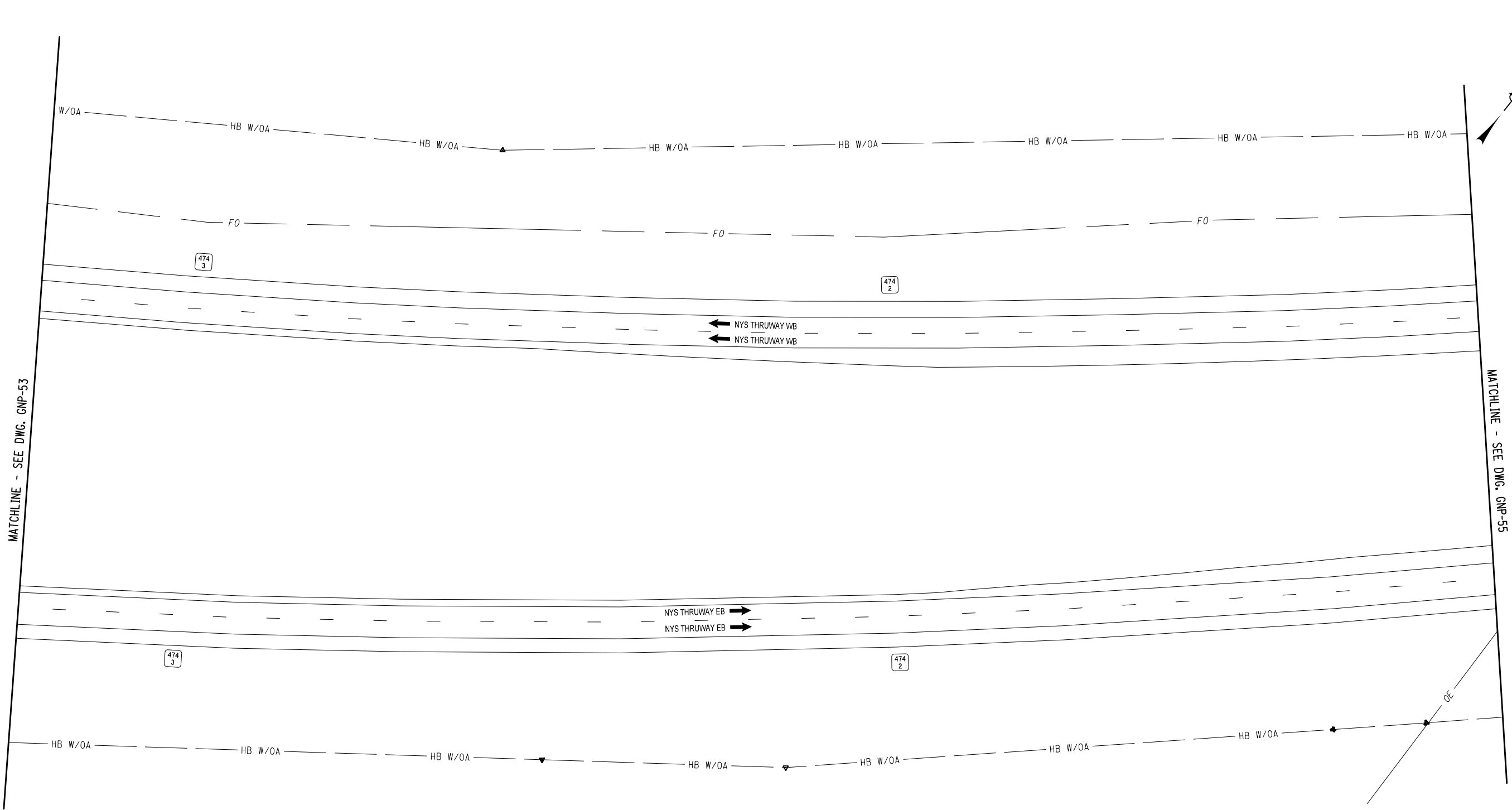


TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS		CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50		DATE: 05/09/2025
TITLE OF DRAWING  GENERAL PLAN		DRAWING NUMBER: GNP-53



Plotted By: sromeliser  
Design File: 04050256-PFF 5501.dgn  
Project: 04050256-PFF 5501.dgn  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN

04050256-PFF 5501.dgn  
8/23/2025 8:23:06 AM  
Checked By: S. ROMEISER  
Drafted By: S. ROMEISER  
Checked By: B. WALKER



ALTERED ON:

AFFIXED ON: 05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway  
Authority

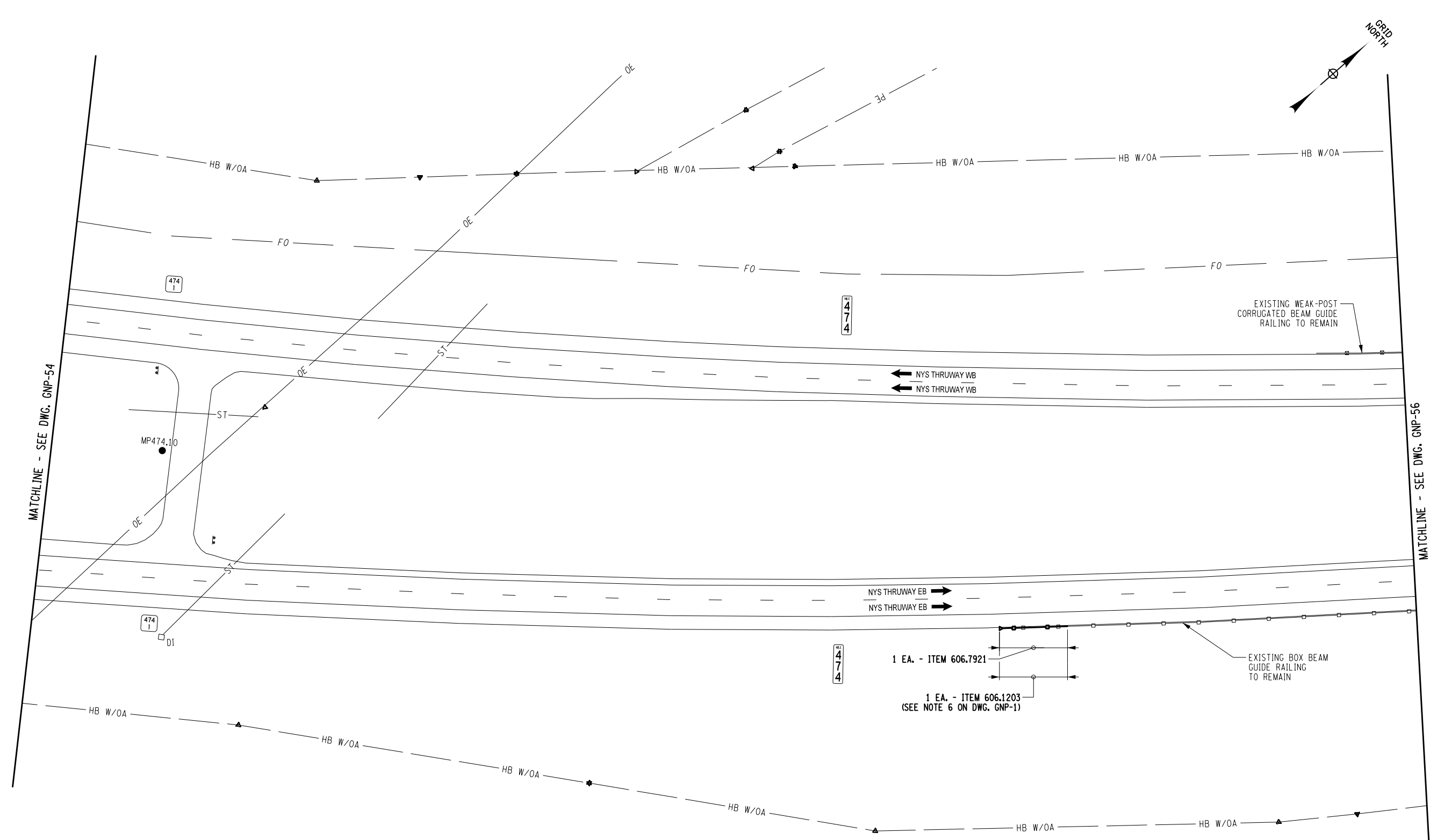


TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS  
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50  
TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15  
DATE:  
05/09/2025  
DRAWING NUMBER:  
GNP-54

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SCALE IN FEET

Plotted By: sromeliser 04/05/2025 8:29:20 AM  
Design File: 04/05/2025 8:29:20 AM  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Drafted By: S. ROMEISER  
Checked By: B. WALKER

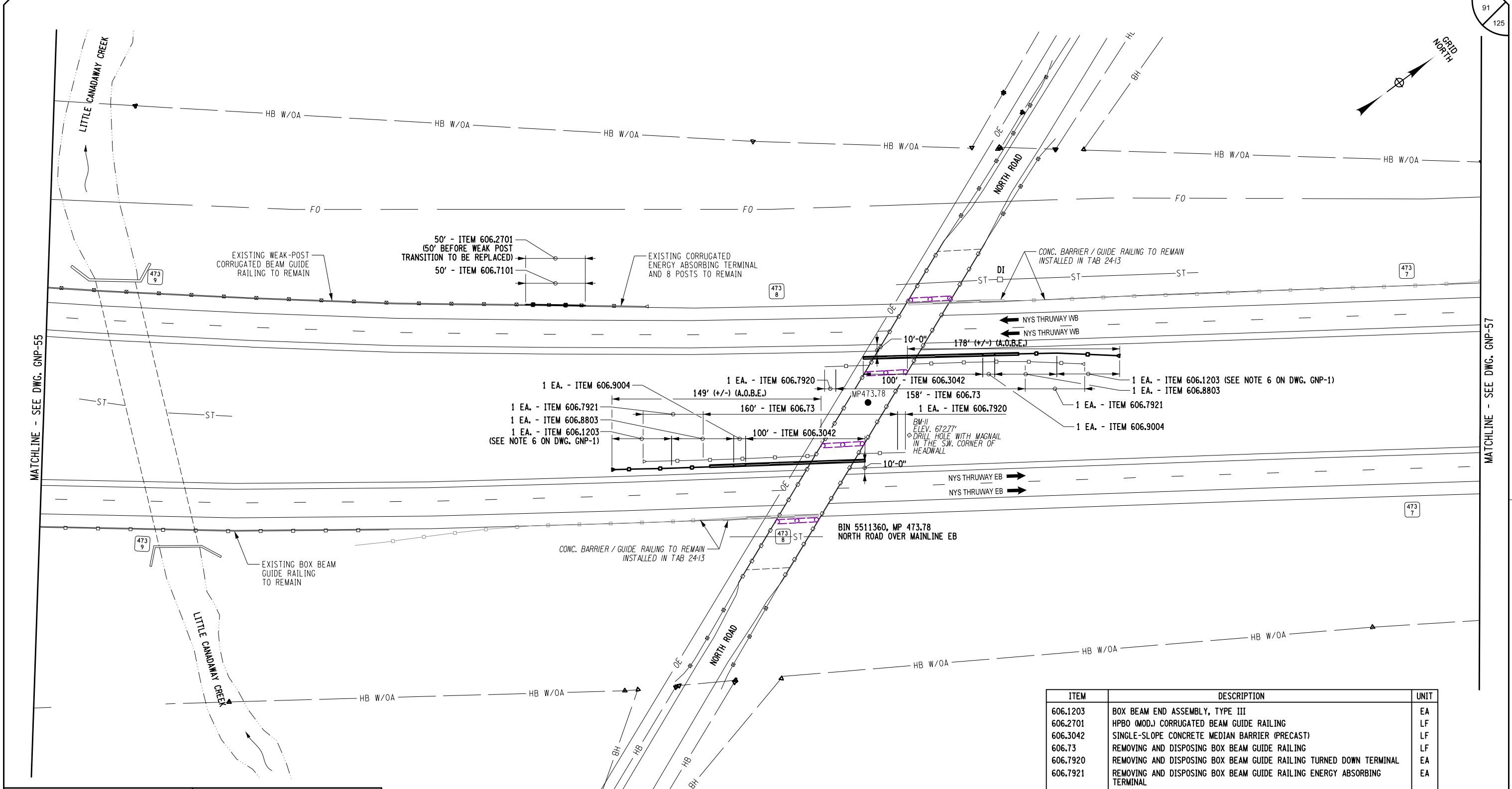


ALTERED ON:	AFFIXED ON: 05/09/2025
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STATE OF NEW YORK  
BRYCE A. WALKER  
LICENSED PROFESSIONAL ENGINEER  
079340

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				 	TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50 TITLE OF DRAWING GENERAL PLAN	CONTRACT NUMBER: TAB 25-15
	DATE	DESCRIPTION	BY	SYM.			DATE: 05/09/2025
							DRAWING NUMBER: GNP-55

Plotted By: sromeliser  
Design File: 04US0258-PF5501.dgn  
Date: 5/8/2025  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN  
Drafted By: S. ROMEISER  
Checked By: B. WALKER



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STATE OF NEW YORK  
BRYCE A. WALKER  
LICENSED PROFESSIONAL ENGINEER  
079340

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

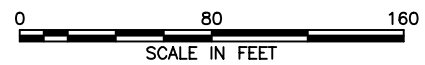
NEW YORK STATE Thruway Authority

Stantec

TITLE OF PROJECT: ROADSIDE SAFETY IMPROVEMENTS  
LOCATION OF PROJECT: BUFFALO DIVISION, MP 467.00 TO MP 485.50  
TITLE OF DRAWING: GENERAL PLAN

CONTRACT NUMBER: TAB 25-15  
DATE: 05/09/2025  
DRAWING NUMBER: GNP-56

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA



Plotted By: sromeliser  
Design File: 04US0258-PF5501denared.projects\19281047341transportation\design\drawingPhase 2\plans\GNP\0214811-03\_cph-gnp-GNP57.dgn  
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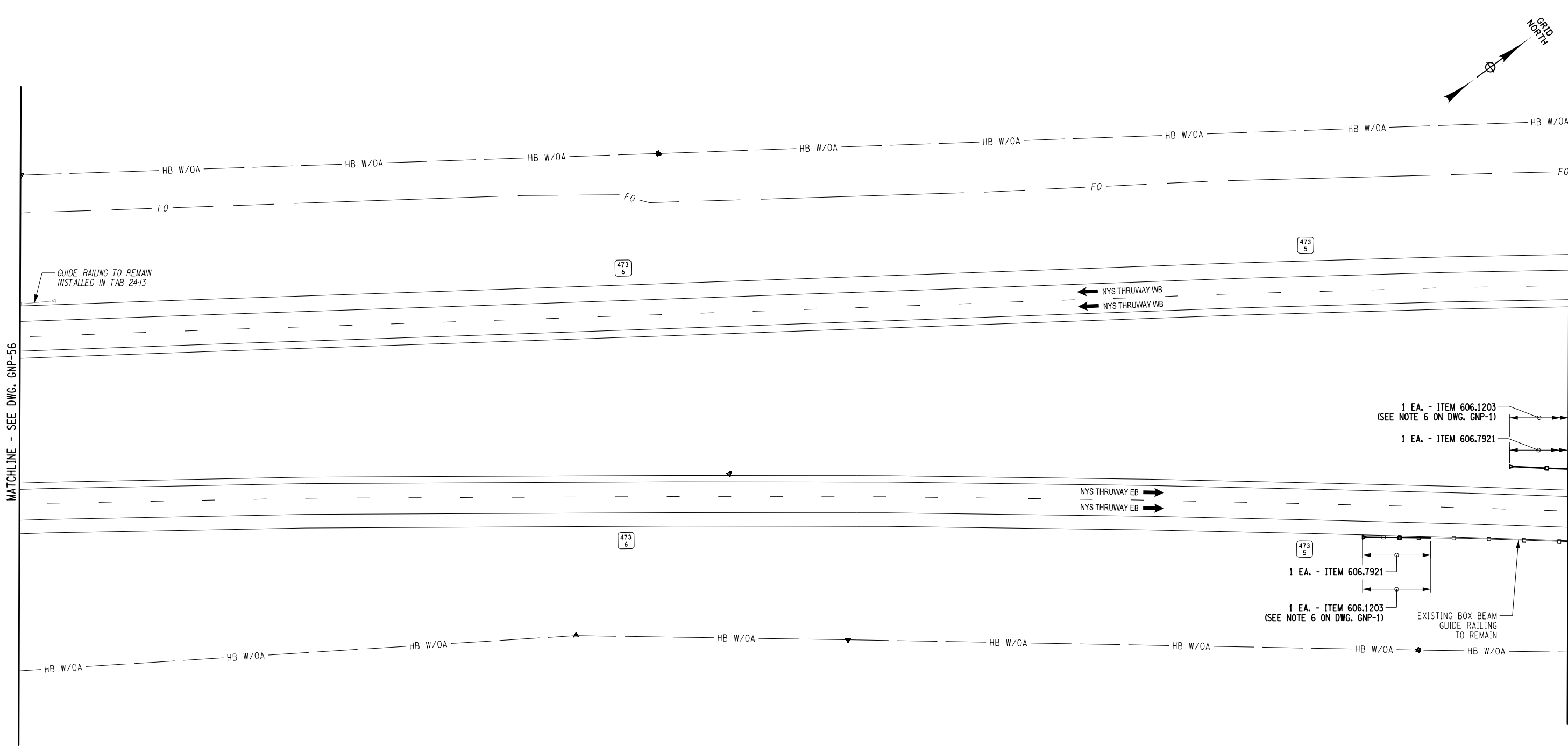
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN





ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA

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05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

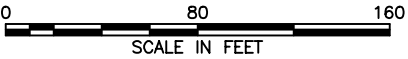
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-57



Plotted By: sromeliser  
Design File: 04US0258-PFF5501denared.projects\128104734\transportation\design\drawing\Phase 2\plans\GNP-57.dgn  
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CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

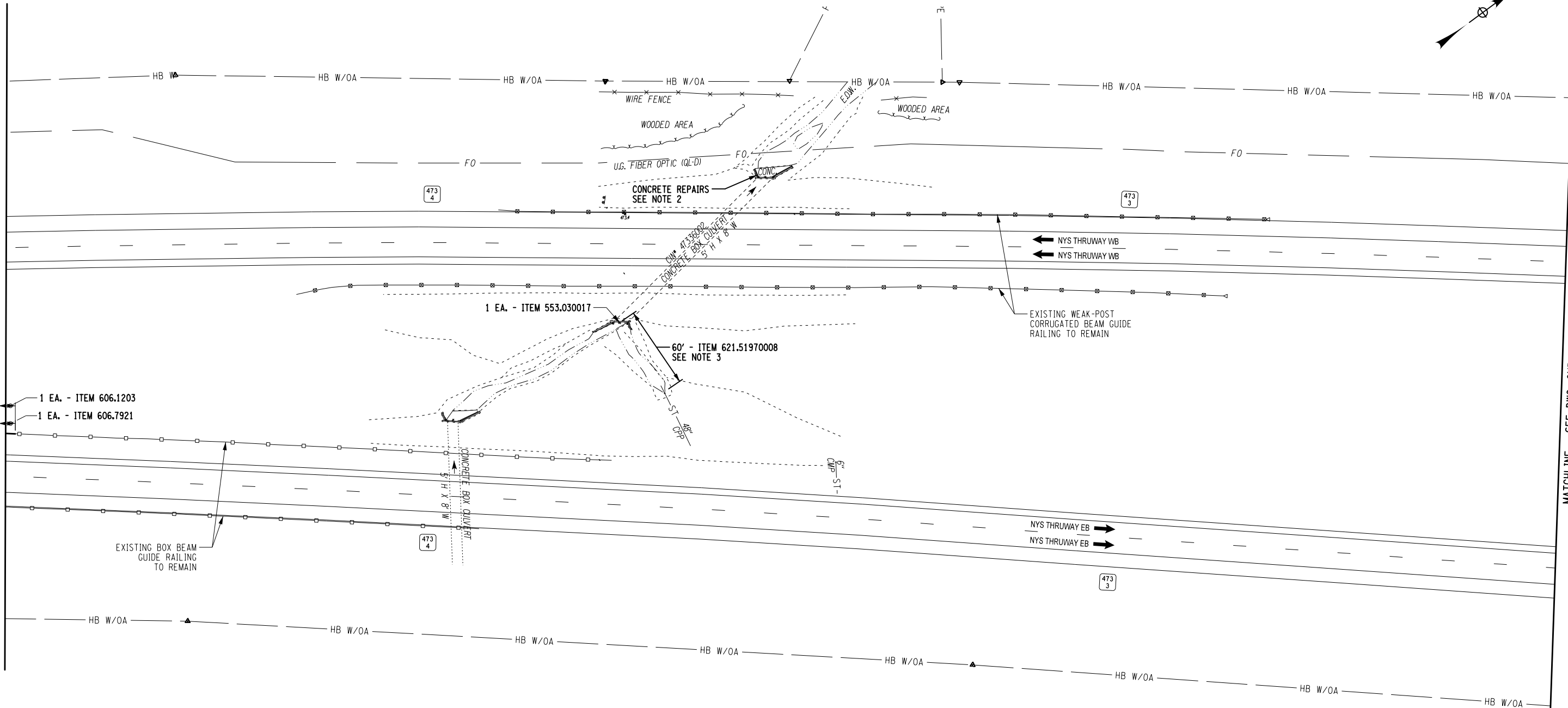
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-57

MATCHLINE - SEE DWG. GNP-59



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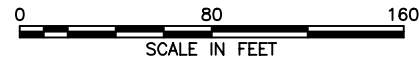
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NOTES:

- FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
- FOR DETAILS SEE DRAINAGE CONCRETE REPAIR DETAIL MP 473.36, DWGS. DD-11 & DD-12.
- FOR DETAILS SEE CLEANING AND RESHAPING DETAILS, DWG. DD-1.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

ITEM	DESCRIPTION	UNIT
553.030017	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF



 	TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-58

MATCHLINE - SEE DWG. GNP-60

MATCHLINE - SEE DWG. GNP-58

Plotted By: sromeiser  
 Design File: #MS0258-PF SS01#shored,object#192810473#transportation#design#drawing#Phase 2#plans#GNP#0214811-03.cpl\_grp.GNP59.dgn  
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CHECKED BY: J. JOHNS  
 DRAFTED BY: S. ROMEISER  
 CHECKED BY: B. WALKER

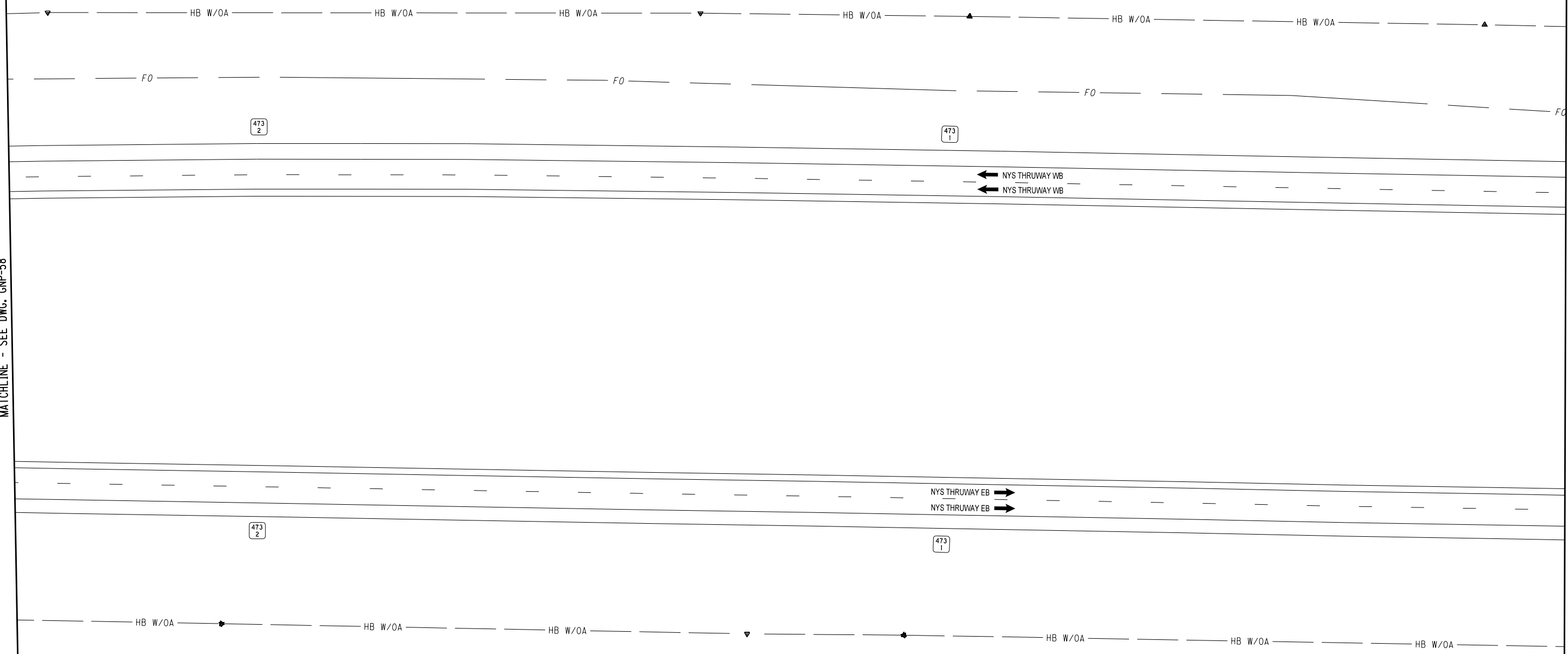
CHECKED BY: B. WALKER

**DRAFTED BY: S. ROMEISER**

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



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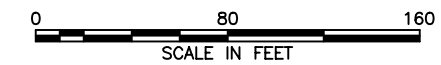
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**Thruway  
Authority**



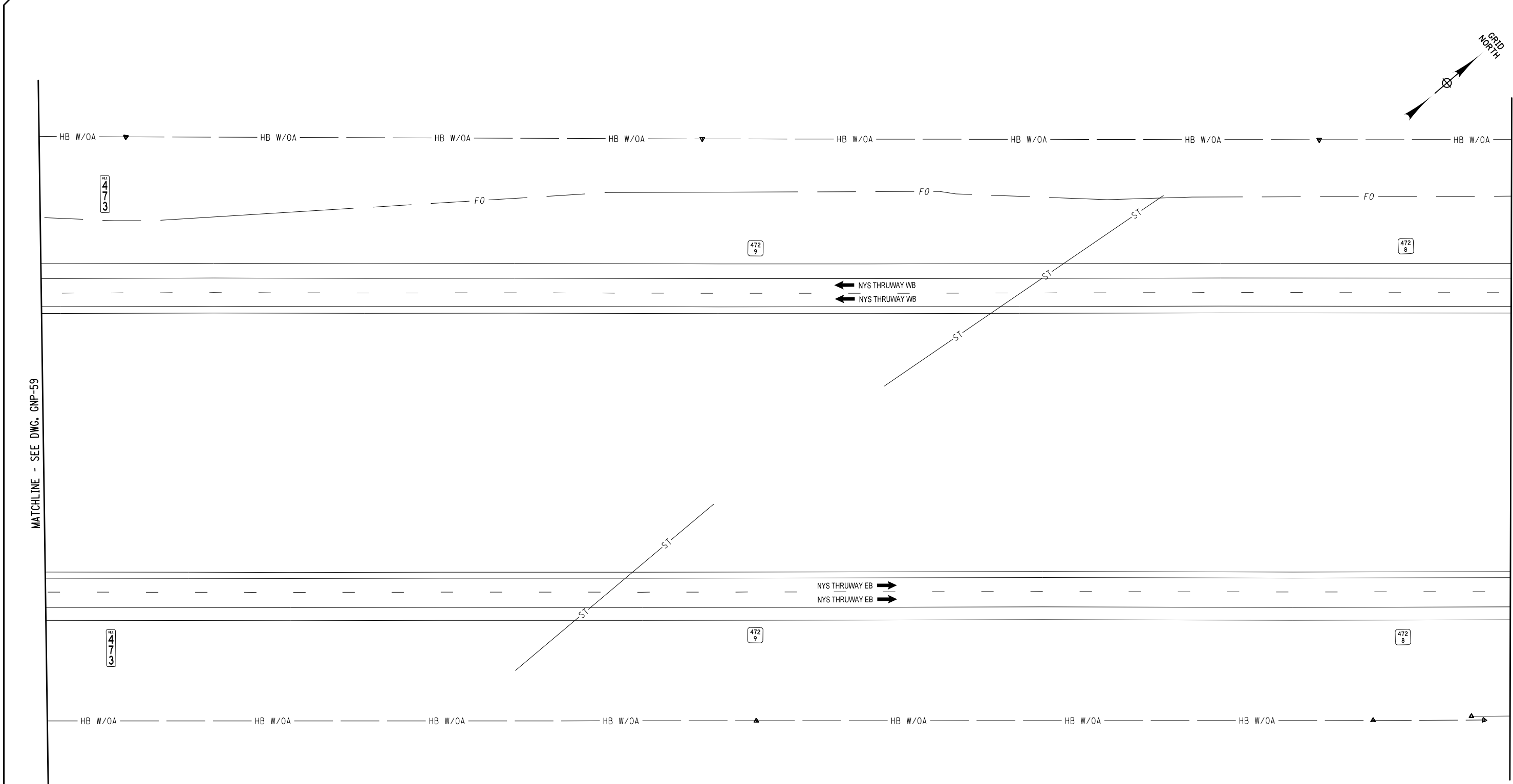
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LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING  GENERAL PLAN	DRAWING NUMBER: GNP-59



Plotted By: sromeliser  
Design File: 04050256-PFF 5501.dgn  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN

04/05/2025 8:23:54 AM  
Checked By: S. ROMEISER  
Drafted By: S. ROMEISER

04/05/2025 8:23:54 AM  
Checked By: B. WALKER  
Designed By: J. HOFMANN





ALTERED ON:

AFFIXED ON: 05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

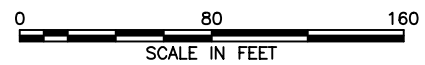
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-60



Plotted By: smrseier  
 Design File: 000150258-PF SS01.dwg  
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CHECKED BY: J. JOHNS DRAFTED BY: S. ROMEISER CHECKED BY: B. WALKER

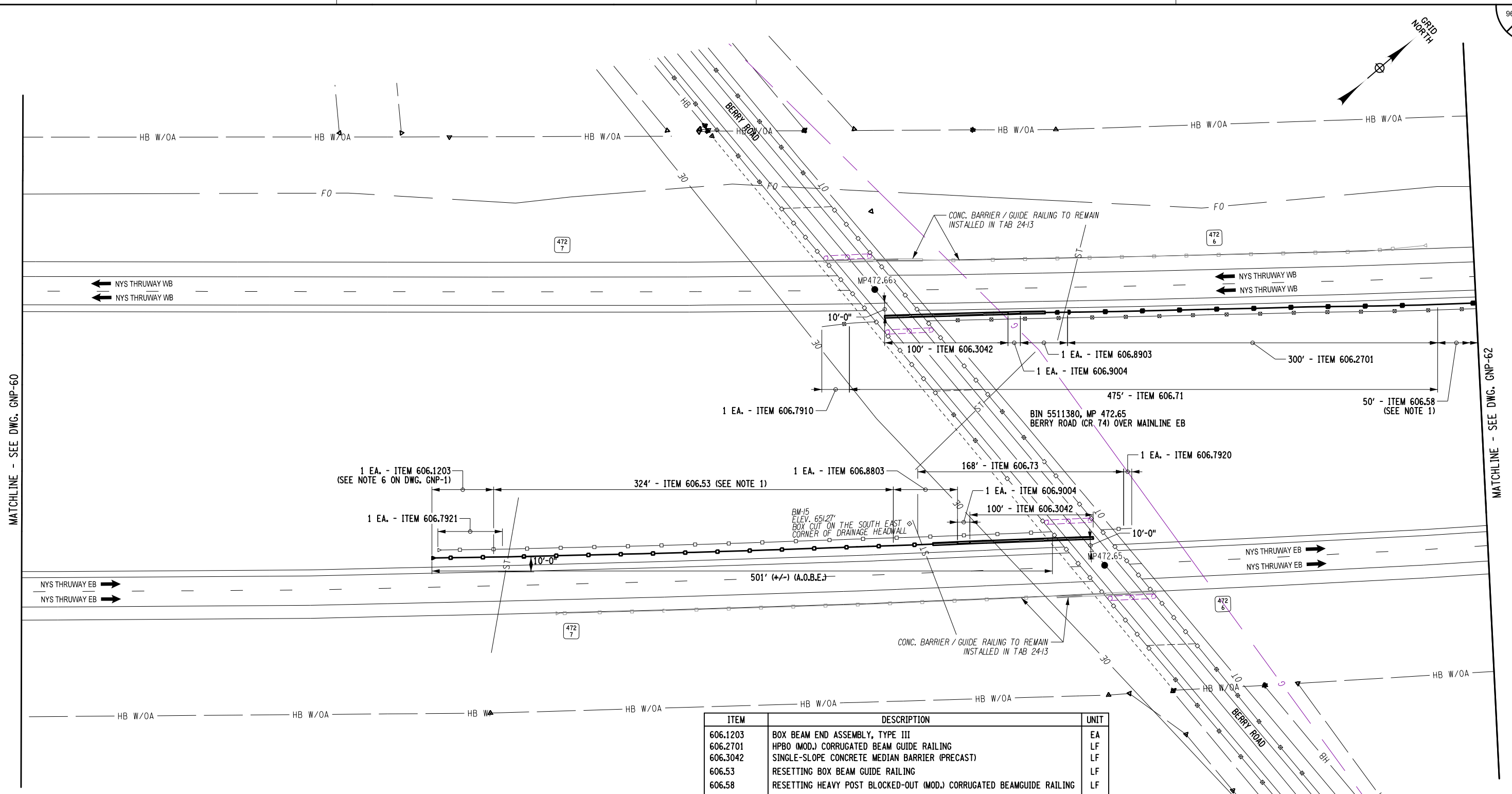
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.58	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING	LF
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7910	RESETTING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8903	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE CONCRETE HALF SECTION BARRIER	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA

NOTES:

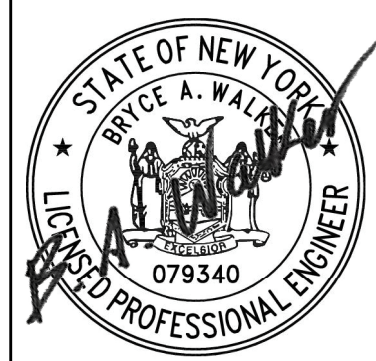
1. GUIDE RAIL TO BE RESET SHALL BE LOCATED 10' FROM THE EDGE OF TRAVEL LANE PARALLEL TO THE EDGE OF LANE

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 ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING  GENERAL PLAN	DRAWING NUMBER: GNP-61



Plotted By: sromeliser  
Design File: 04US0258-PFF 5501denared.projects\19281047341transportation\design\drawingPhase 2\plans\GNP-61-03.chp-gnp-0NP62.dgn  
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CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

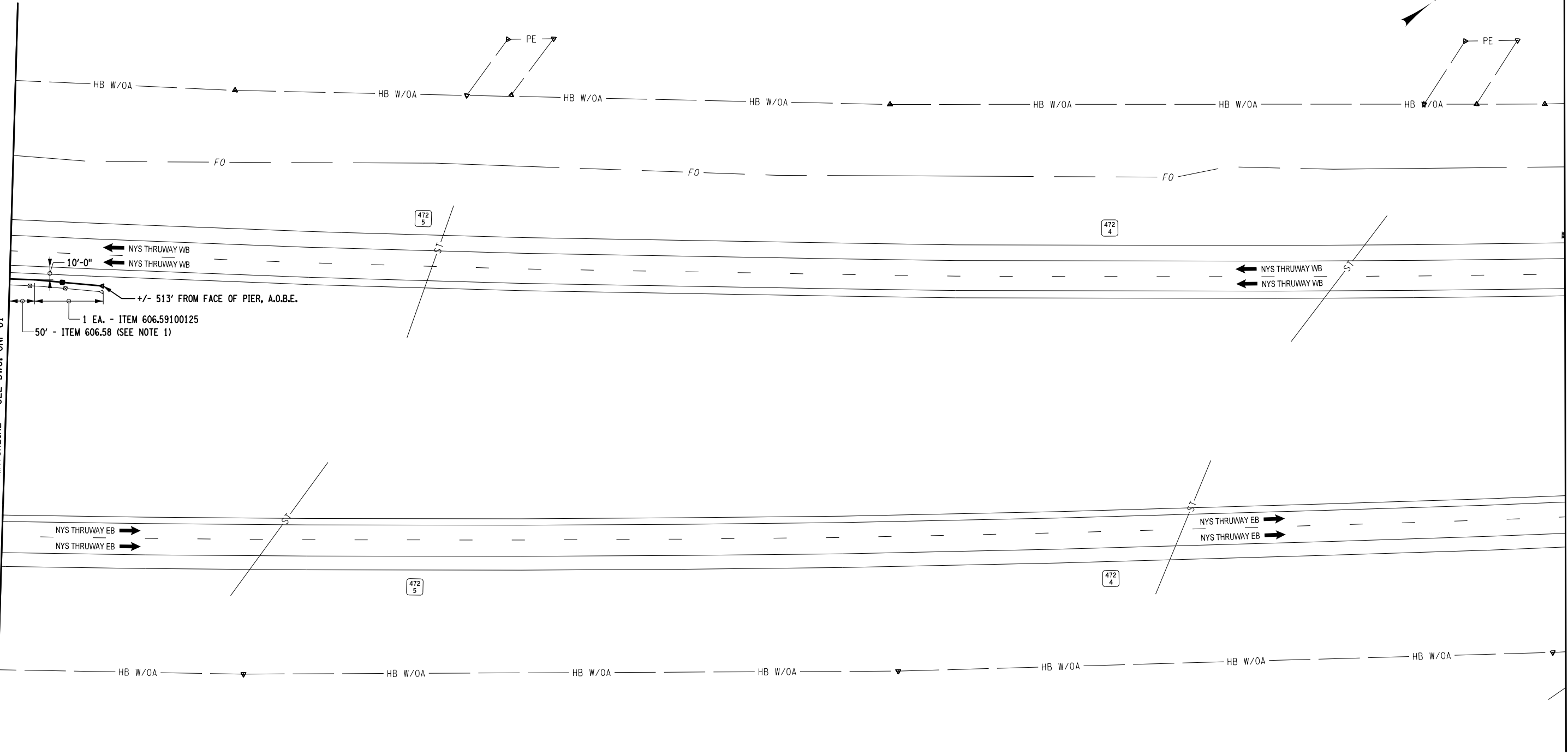
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-61

MATCHLINE - SEE DWG. GNP-63



ALTERED ON:



AFFIXED ON: 05/09/2025

STATE OF NEW YORK  
BRYCE A. WALKER  
LICENSED PROFESSIONAL ENGINEER  
079340

**NOTES:**

1. GUIDE RAIL TO BE RESET SHALL BE LOCATED 10' FROM THE EDGE OF TRAVEL LANE PARALLEL TO THE EDGE OF LANE

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REVISIONS					TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS		CONTRACT NUMBER: TAB 25-15	
DATE	DESCRIPTION	BY	SYM.		LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025		
					TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-62		

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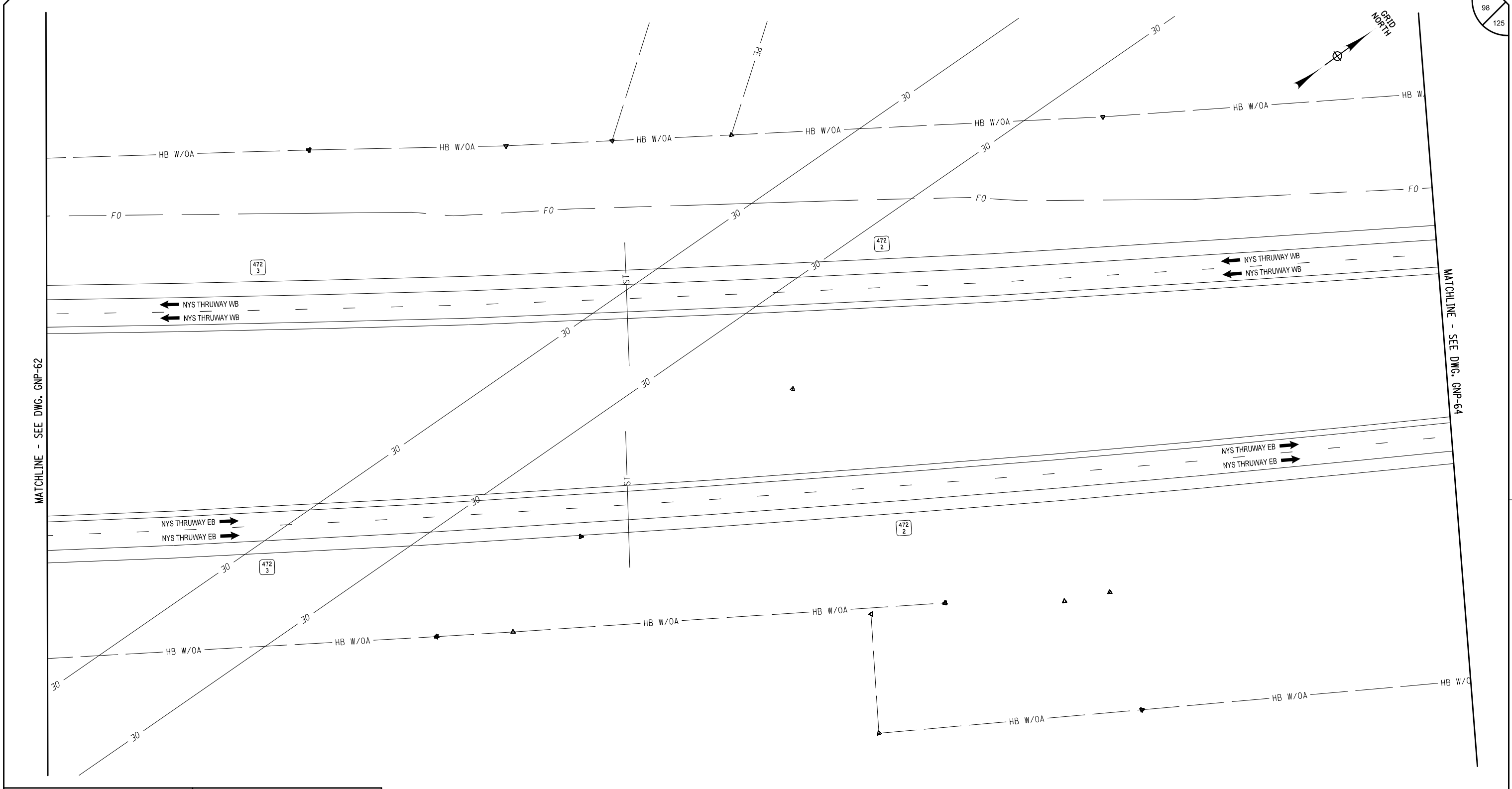
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SCALE IN FEET

Plotted By: sromeliser  
Design File: 04US0258-PFF 5501.dgn  
Printed: 5/8/2025 8:30:02 AM

DESIGNED BY: J. JOHNS  
CHECKED BY: B. WALKER  
DRAFTED BY: S. ROMEISER  
CHECKED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



ALTERED ON:

AFFIXED ON: 05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

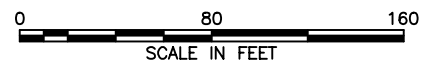
LOCATION OF PROJECT  
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MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-63



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CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

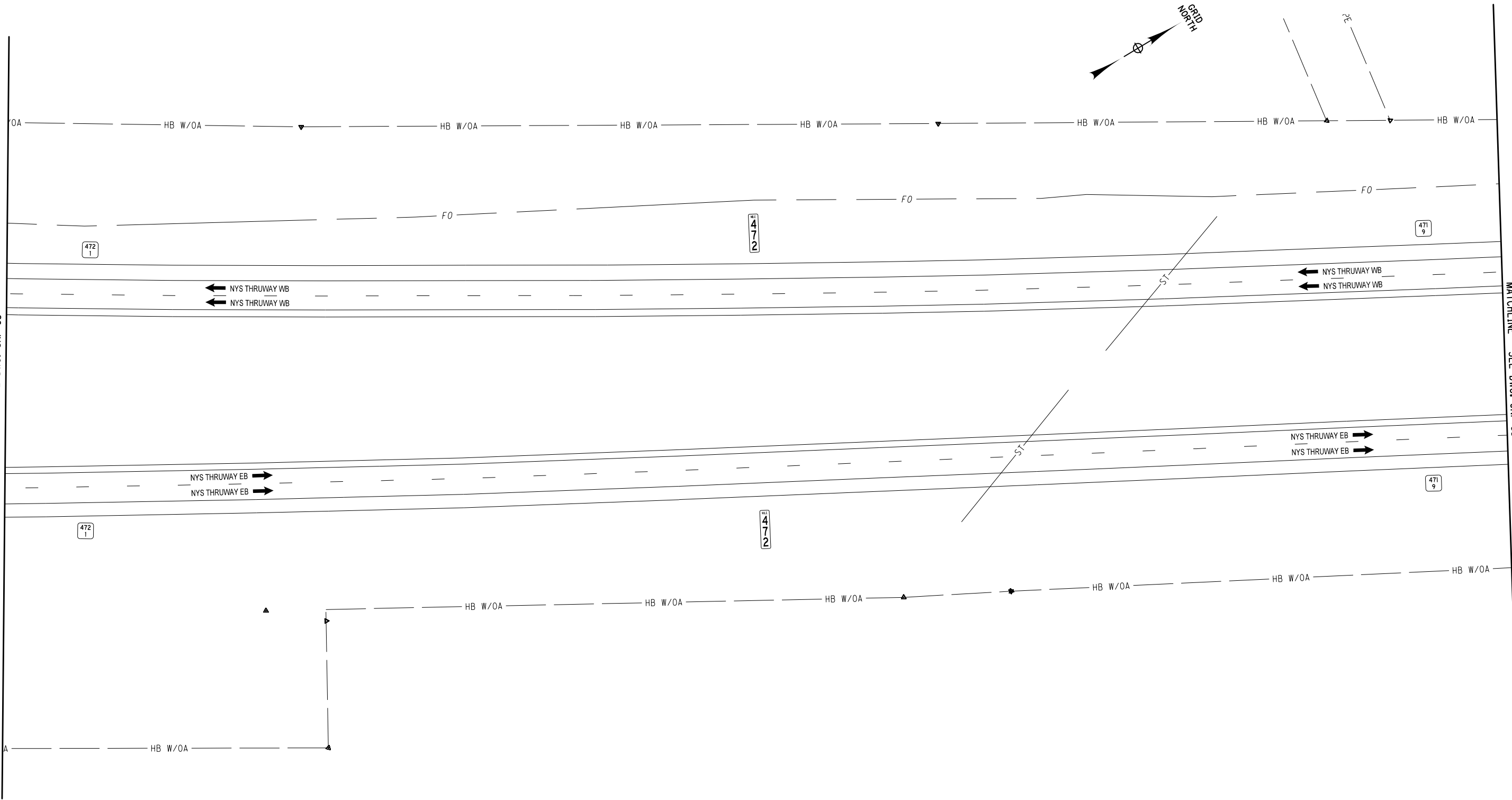
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-63

MATCHLINE - SEE DWG. GNP-65





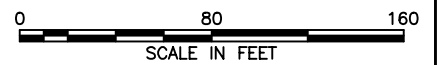
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-64



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Design File: 04US0258-PFF 5501.dgn  
Plot Date: 5/8/2025 8:50:12 AM  
Checked By: J. JOHNS

DESIGNED BY: B. WALKER  
CHECKED BY: S. ROMEISER

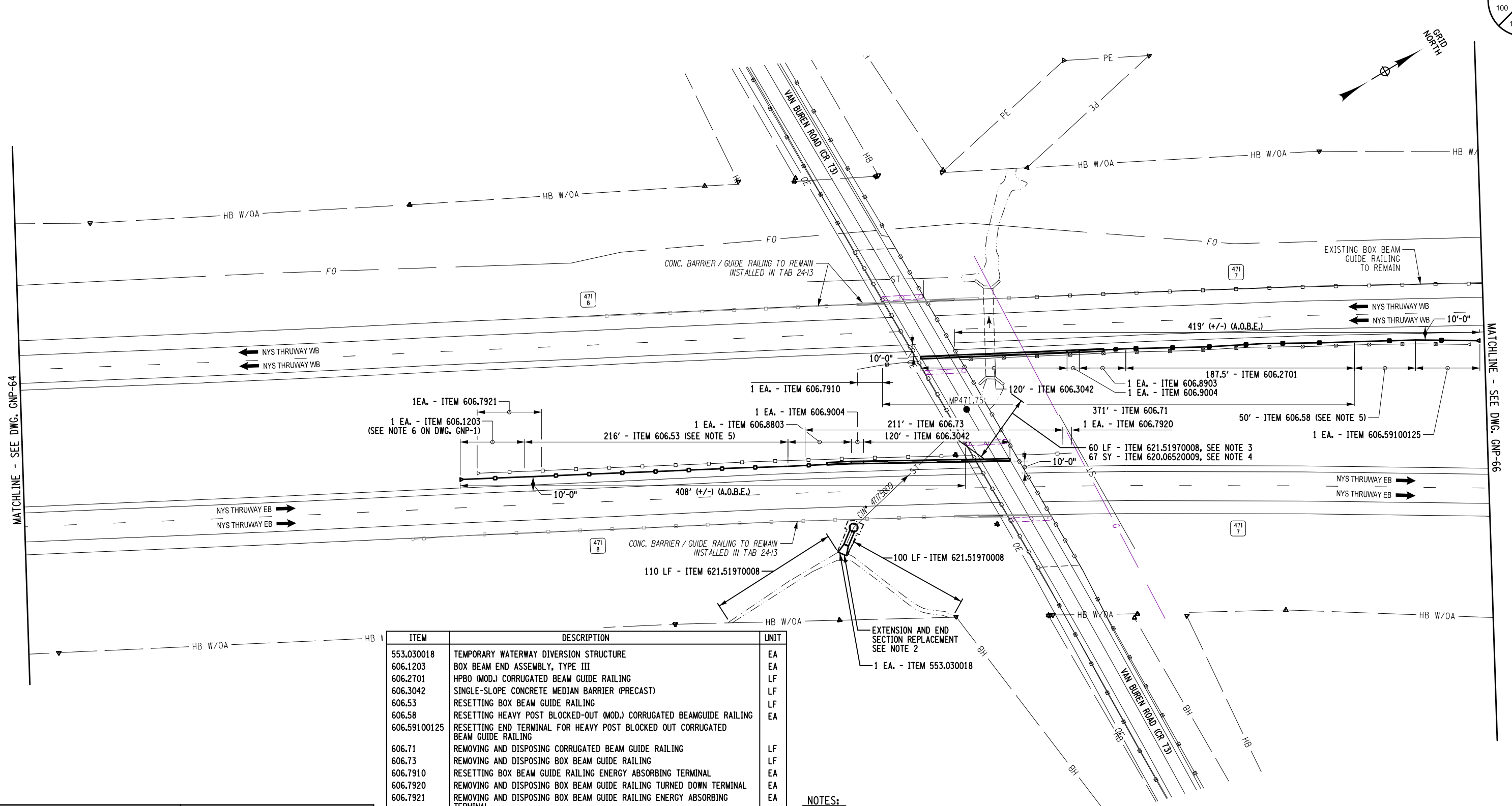
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CHECKED BY: S. ROMEISER

DESIGNED BY: B. WALKER  
CHECKED BY: S. ROMEISER

DESIGNED BY: B. WALKER  
CHECKED BY: S. ROMEISER

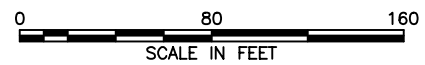
MATCHLINE - SEE DWG. GNP-64

MATCHLINE - SEE DWG. GNP-66



ITEM	DESCRIPTION	UNIT
553.030018	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.58	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING	EA
606.59100125	RESETTING END TERMINAL FOR HEAVY POST BLOCKED OUT CORRUGATED BEAM GUIDE RAILING	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7910	RESETTING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8903	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE CONCRETE HALF SECTION BARRIER	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA
620.06520009	RESET EXISTING STONE FILLING	SY
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF

- NOTES:
- FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
  - FOR DETAILS SEE DRAINAGE END SECTION DETAILS MP 471.75, DWG. DD-7.
  - FOR DETAILS SEE CLEANING AND RESHAPING DETAILS, DWG. DD-1.
  - ANY STONE FILLING THAT IS DISTURBED DUE TO STREAM RESHAPING SHALL BE RESET TO ITS ORIGINAL STATE.
  - GUIDE RAIL TO BE RESET SHALL BE LOCATED 10' FROM THE EDGE OF TRAVEL LANE PARALLEL TO THE EDGE LINE.



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-65

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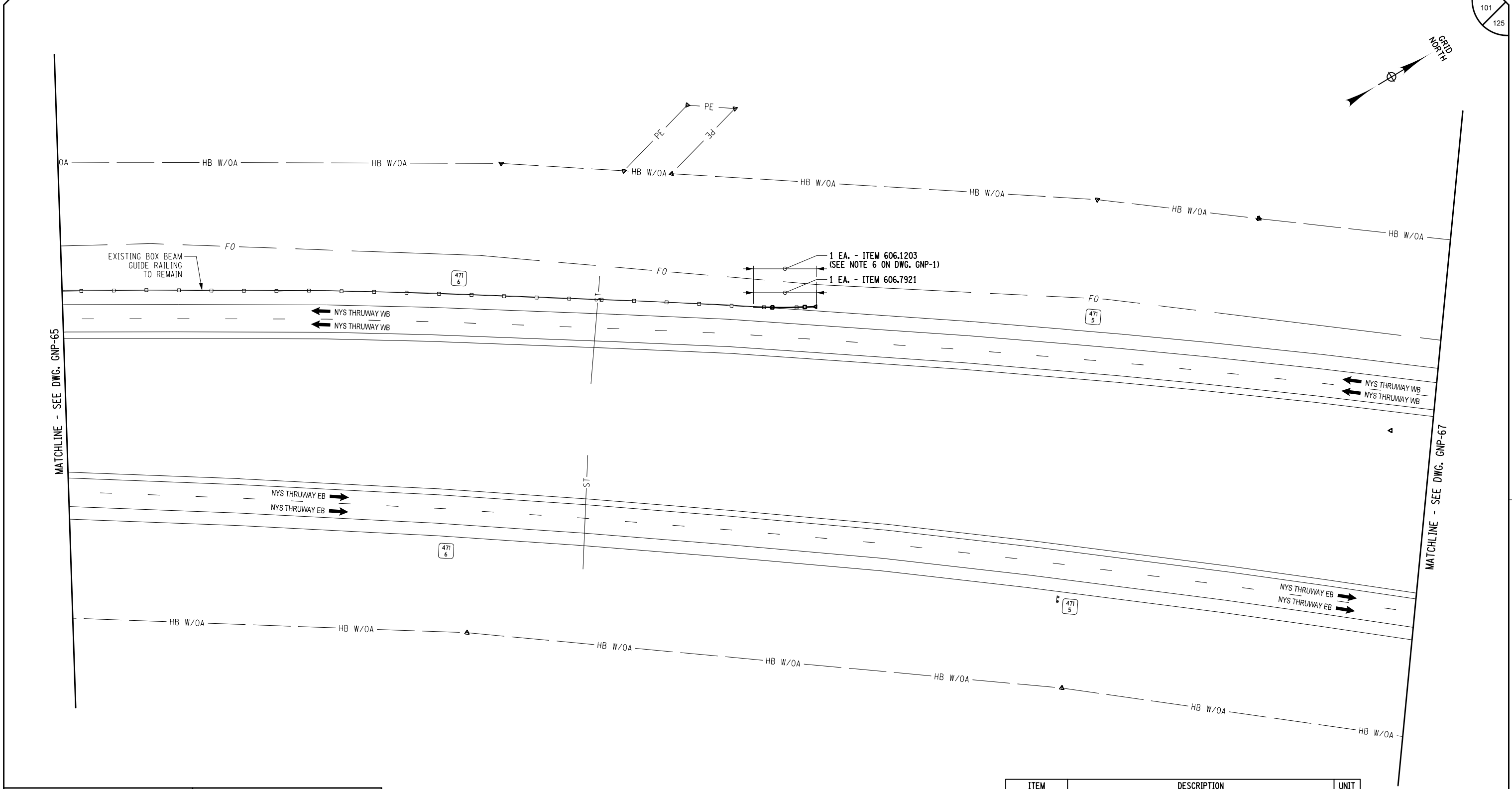
CHECKED BY: J. JOHNS

CHECKED BY: S. ROMEISER

CHECKED BY: B. WALKER

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT	CONTRACT NUMBER:
ROADSIDE SAFETY IMPROVEMENTS	TAB 25-15

LOCATION OF PROJECT	DATE:
BUFFALO DIVISION MP 467.00 TO MP 485.50	05/09/2025

TITLE OF DRAWING	DRAWING NUMBER:
GENERAL PLAN	GNP-66

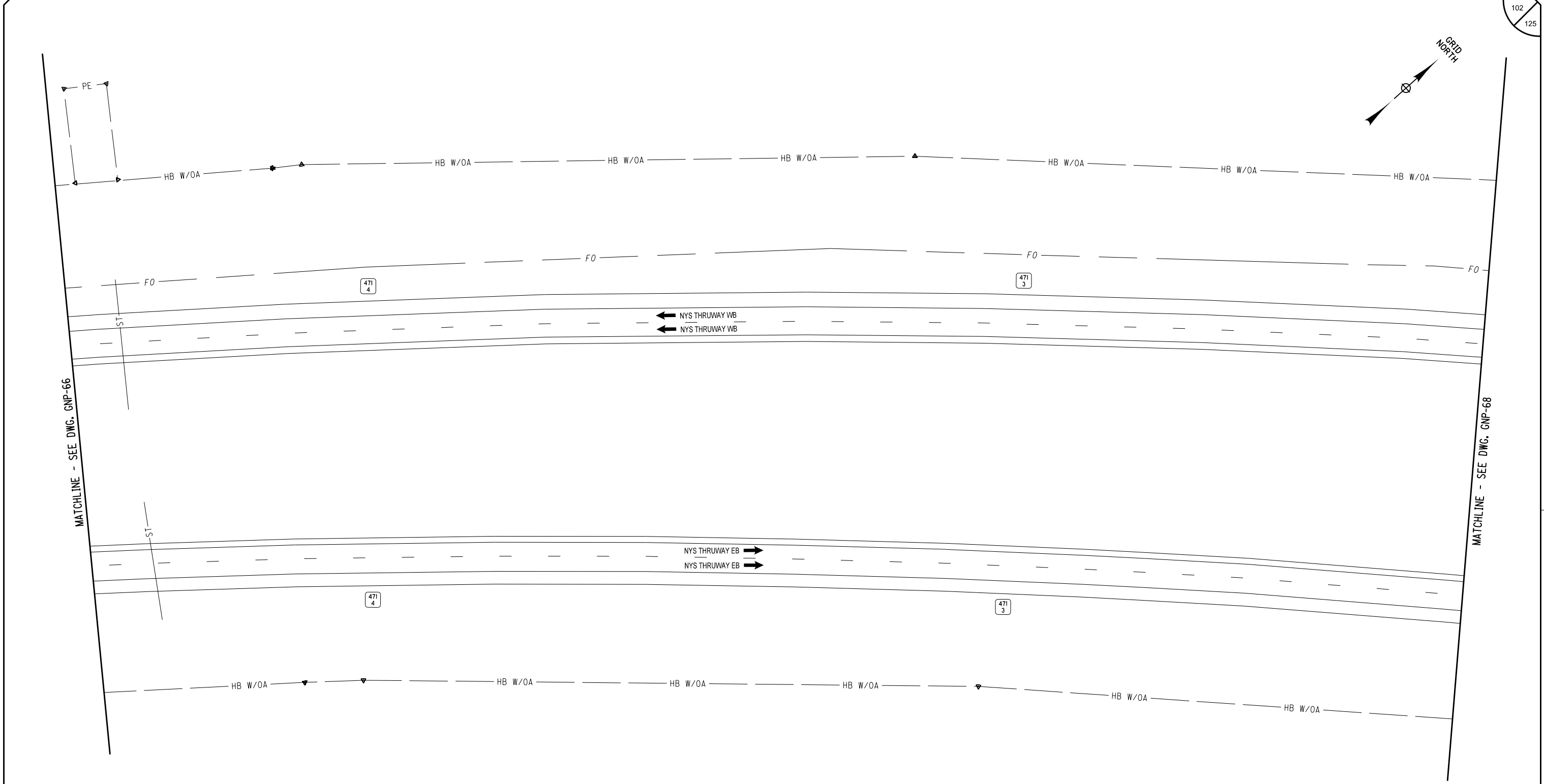
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

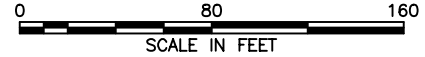
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

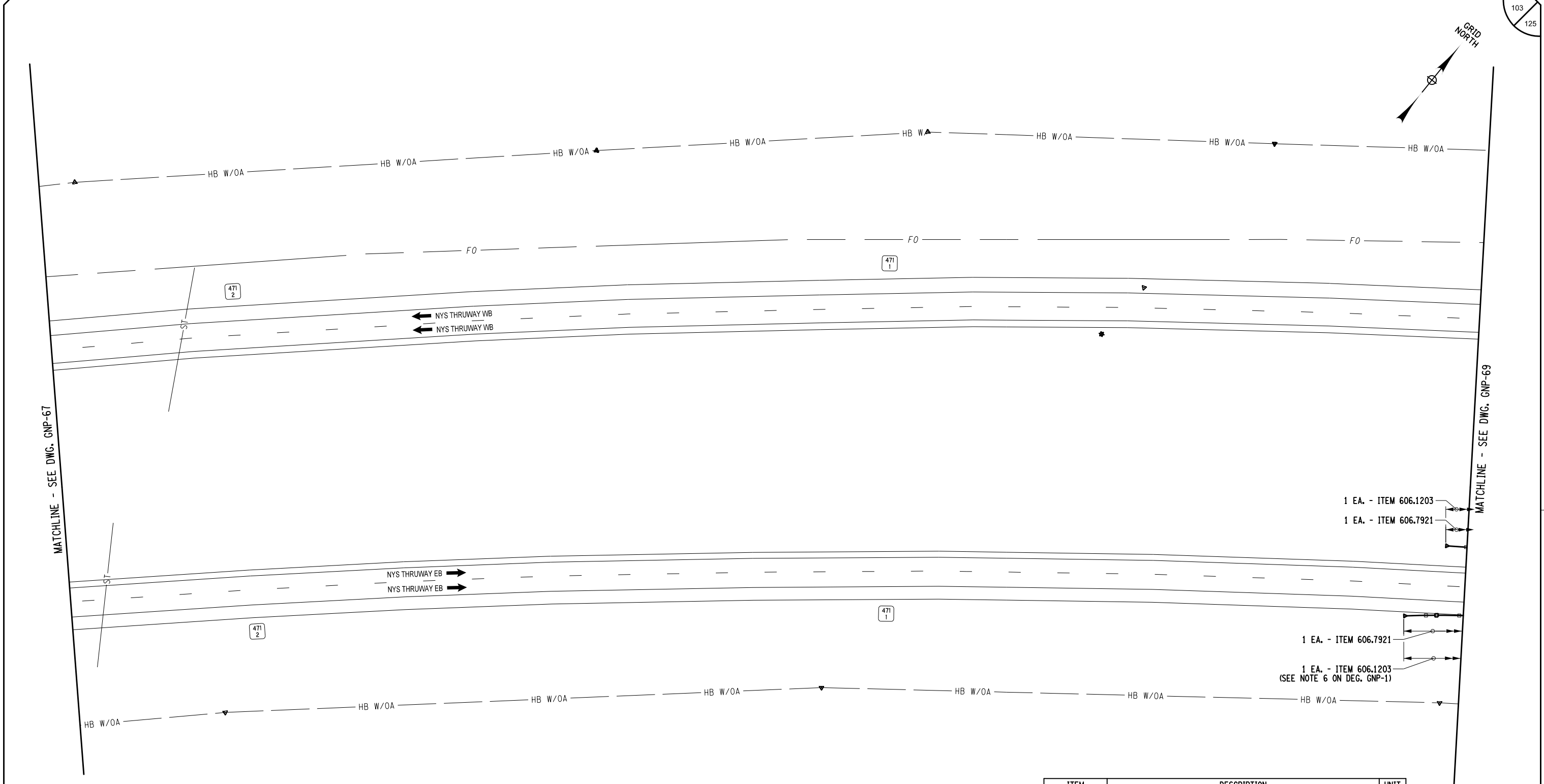
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DESIGNED BY: B. WALKER  
DRAFTED BY: S. ROMEISER  
CHECKED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



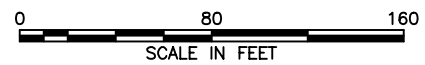
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STATE OF NEW YORK  
BRYCE A. WALKER  
LICENSED PROFESSIONAL ENGINEER  
079340

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-68

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA



Plotted By: sromeliser  
Design File: 04US0258-PF5501denared.projects\1928104734transportation\design\drawingPhase 2\plans\GNP\0214811-03\_coh-gnp-GNP63.dgn  
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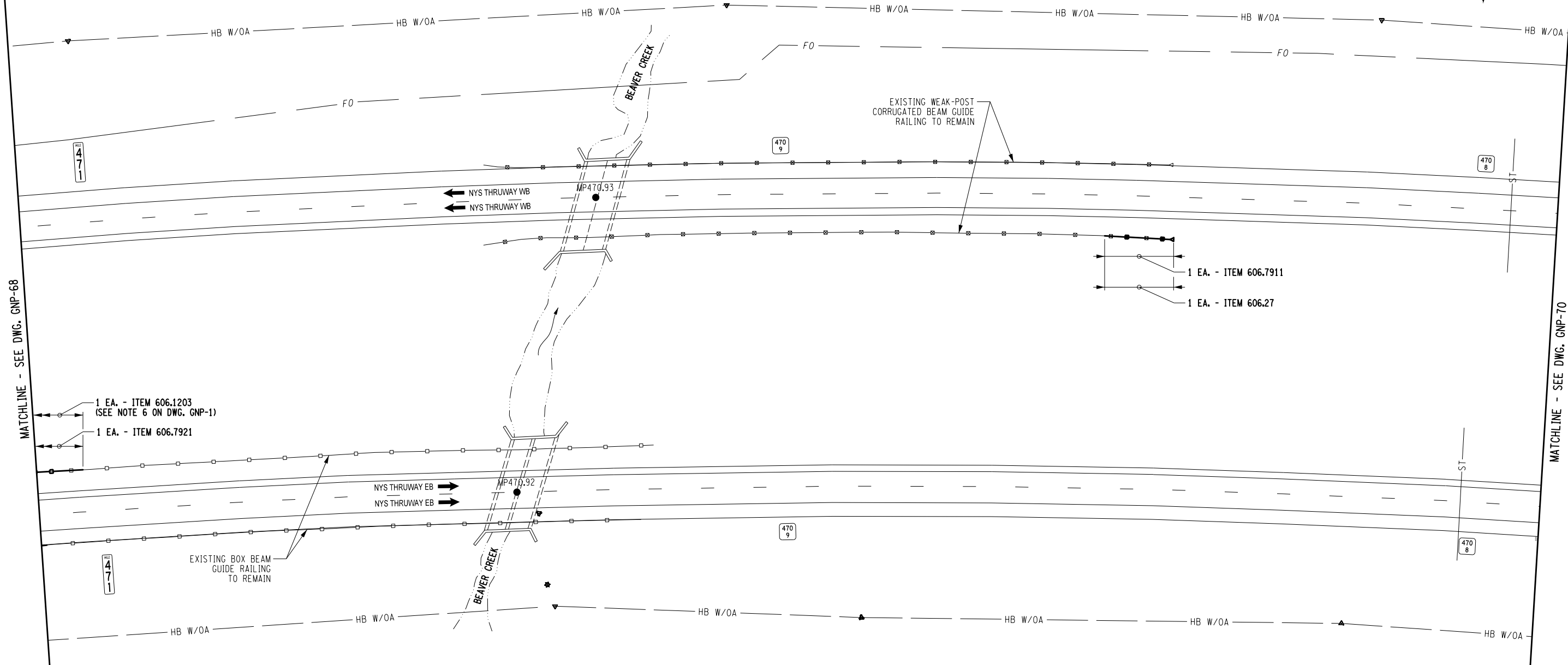
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DESIGNED BY: B. WALKER

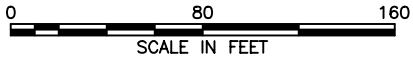
DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-68

MATCHLINE - SEE DWG. GNP-70



ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.27	HEAVY POST BLOCKED OUT (MOD.) CORRUGATED BEAM GUIDE RAILING END TERMINAL (ENERGY ABSORBING)	EA
606.7911	REMOVING AND DISPOSING WEAK AND HEAVY POST CORRUGATED BEAM ENERGY ABSORBING TERMINALS	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA



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05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-69

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Printed: 5/8/2025 8:31:03 AM

CHECKED BY: B. WALKER

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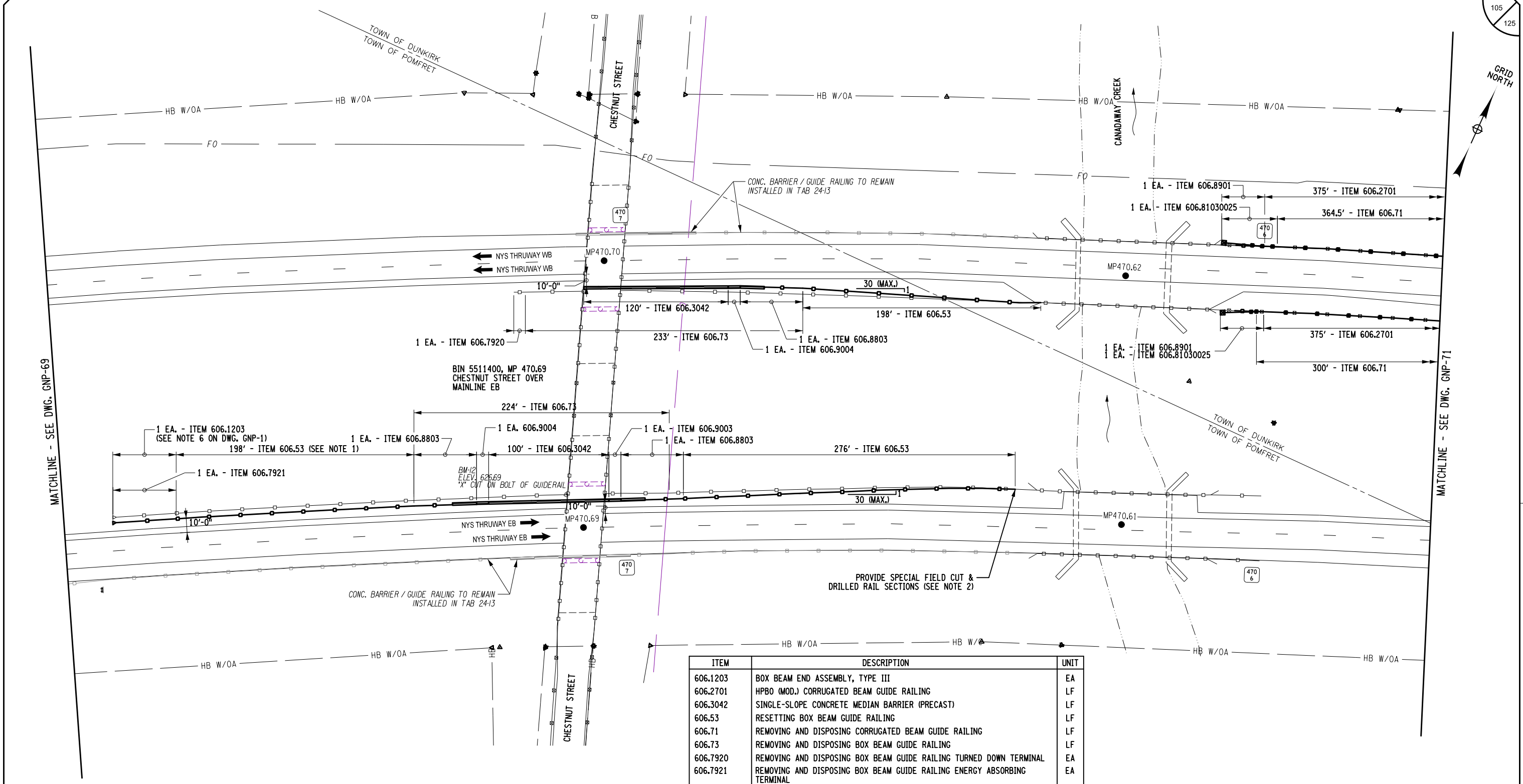
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-69

MATCHLINE - SEE DWG. GNP-71



ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.2701	HPB0 (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.81030025	REMOVING AND DISPOSING GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION)	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8901	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDE RAILING TO BOX BEAM GUIDE RAILING	EA
606.9003	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (LEFT POCKET)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA

NOTES:

1. RESET GUIDE RAIL SHALL BE LOCATED 10' FROM THE EDGE OF TRAVEL LANE AND RUN PARALLEL TO EDGE STRIPE.
2. THE CONTRACTOR SHALL PROVIDE SPECIAL FIELD CUT AND DRILLED (NOT BURNED) RAIL SECTIONS. ALL NON-STANDARD LENGTHS OF CUT RAIL SHALL BE MORE THAN HALF THE STANDARD LENGTH. IF A SECTION LESS THAN HALF IS REQUIRED, AN ADJACENT SECTION SHALL BE CUT CREATING TWO (2) ADJACENT NON-STANDARD SECTIONS OF SIMILAR SIZE.

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DATE	DESCRIPTION	BY	SYM.

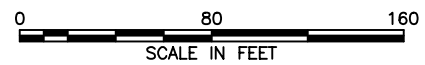


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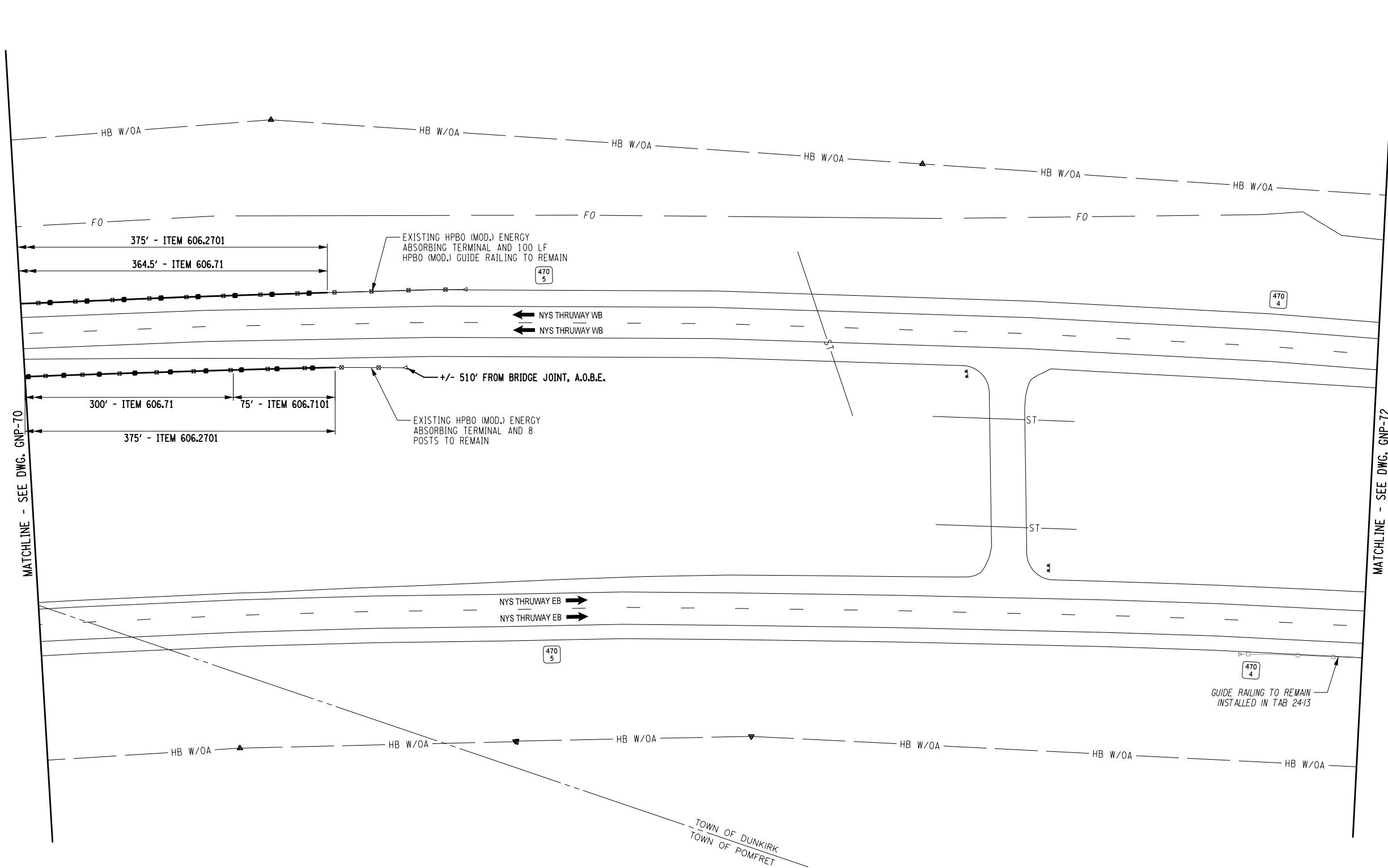


TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS  
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50  
TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15  
DATE:  
05/09/2025  
DRAWING NUMBER:  
GNP-70



Plotted By: sromeliser 04/05/2025 8:31:05 AM  
Design File: 04/05/2025 8:31:05 AM  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Drafted By: S. ROMEISER  
Checked By: B. WALKER  
Design Supervisor: J. HOFMANN



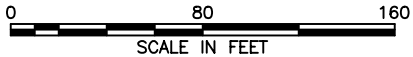
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

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	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-71

ITEM	DESCRIPTION	UNIT
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF



Plotted By: sromeliser  
Design File: 04050256-PF5501denared\_projects1928104734transportationdesigndrawingPhase 2plansGNP72.dgn  
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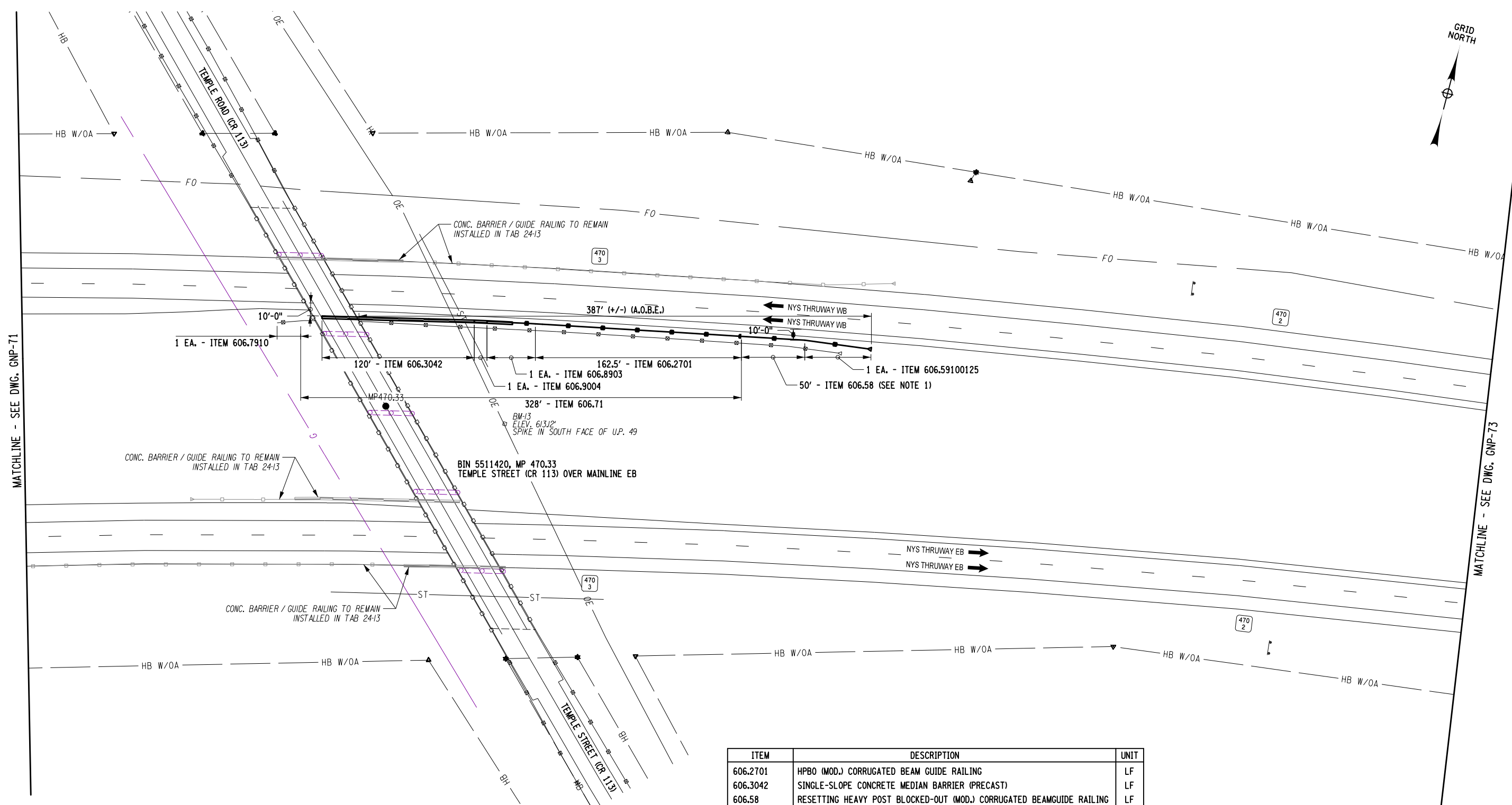
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-71

MATCHLINE - SEE DWG. GNP-73



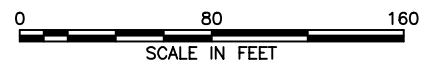
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**NOTES:**  
1. GUIDE RAIL TO BE RESET SHALL BE LOCATED 10' FROM THE EDGE OF TRAVEL LANE PARALLEL TO THE EDGE LINE.

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ITEM	DESCRIPTION	UNIT
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.58	RESETTING HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAMGUIDE RAILING	LF
606.59100125	RESETTING END TERMINAL FOR HEAVY POST BLOCKED OUT CORRUGATED GUIDE RAIL AND MEDIAN BARRIER	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAMGUIDE RAILING AND MEDIAN BARRIER	EA
606.8903	TRANSITION: HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE HALF SECTION CONCRETE BARRIER	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA



REVISIONS

DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-72

GRID  
NORTH



MATCHLINE - SEE DWG. GNP-74

MATCHLINE - SEE DWG. GNP-72

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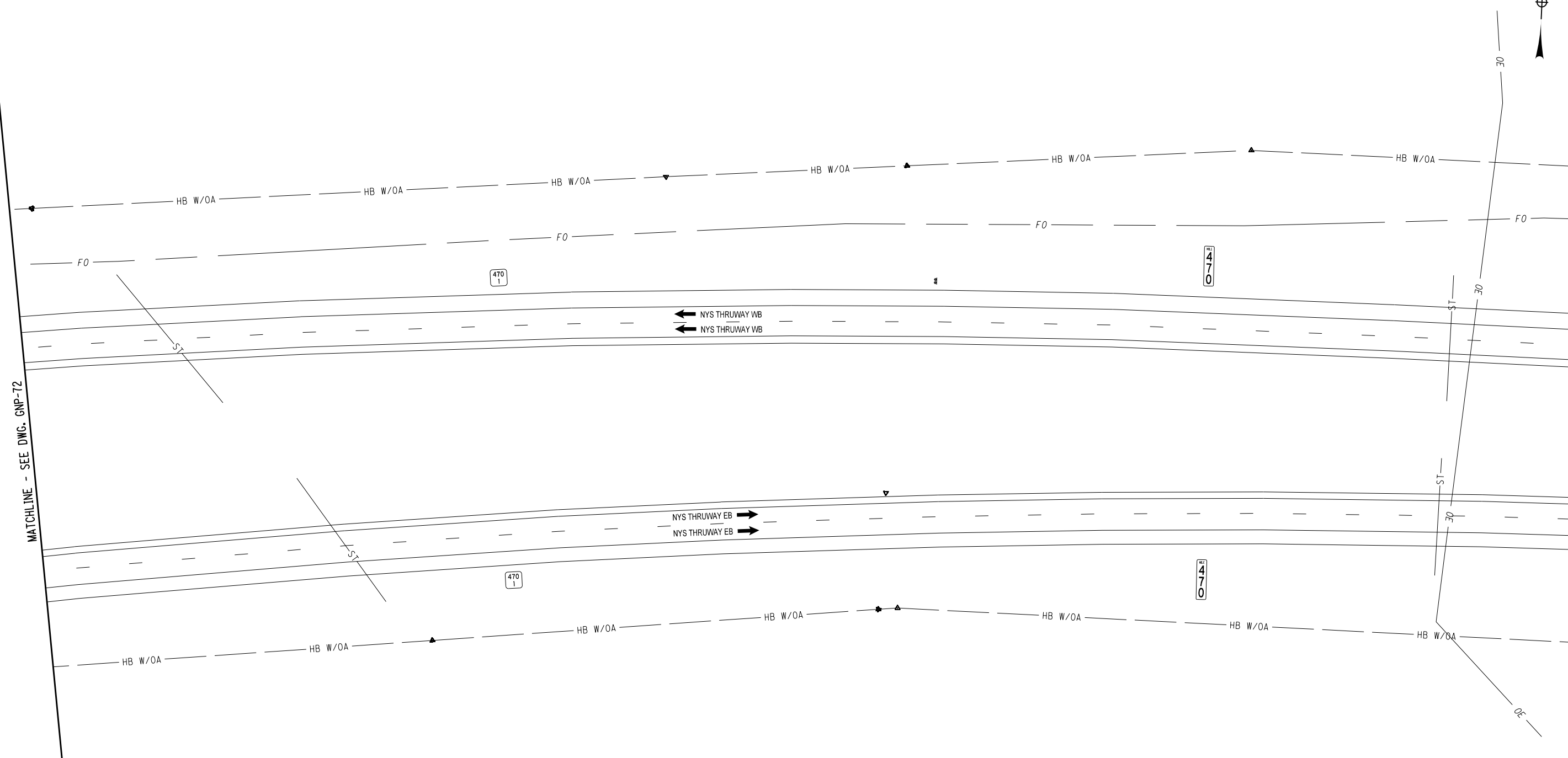
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**DRAFTED BY: S. ROMEISER**

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



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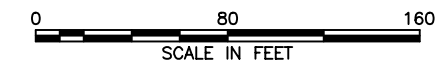
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DATE	DESCRIPTION	BY	SYM.



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TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING  GENERAL PLAN	DRAWING NUMBER: GNP-73



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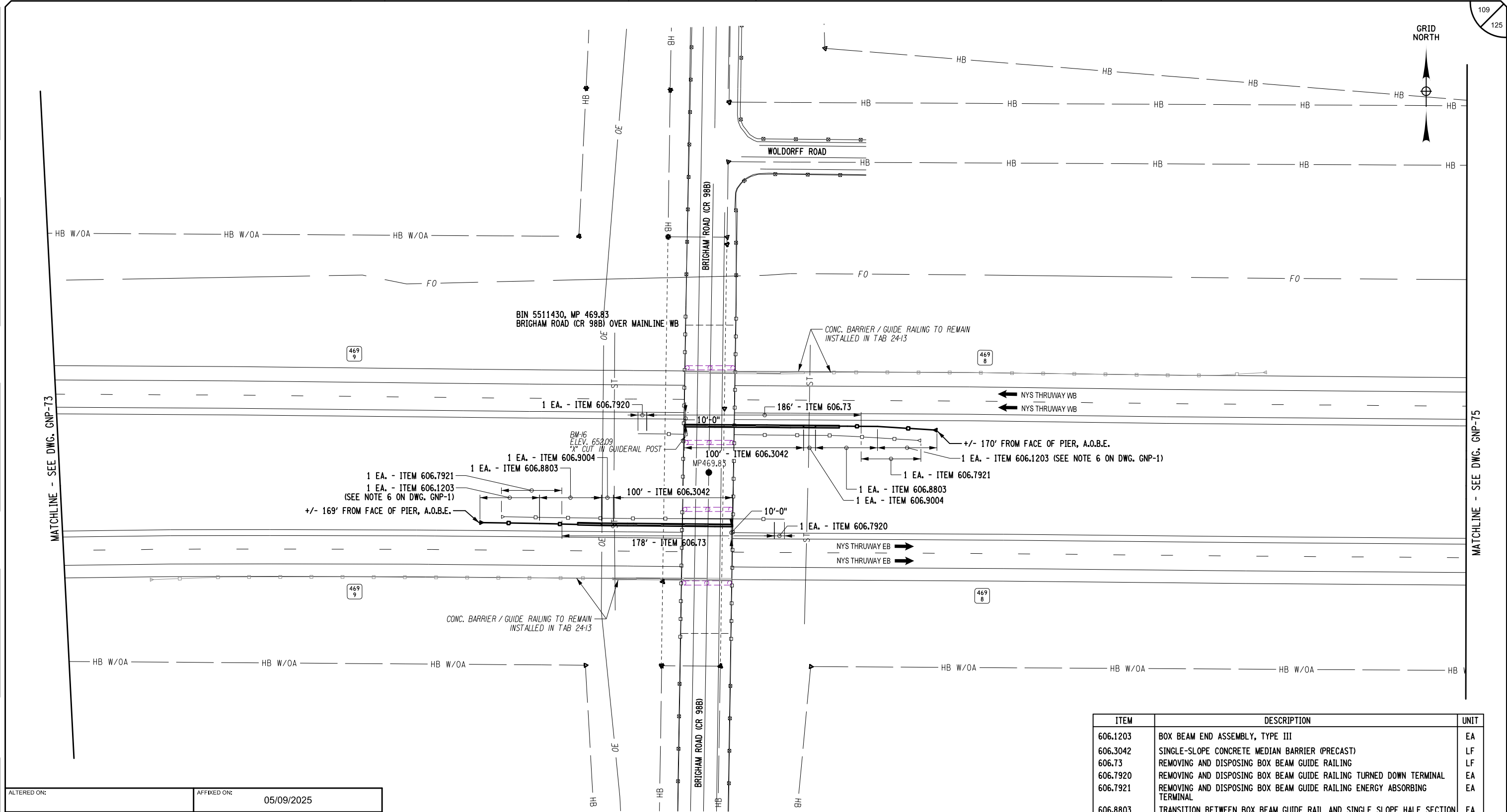
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



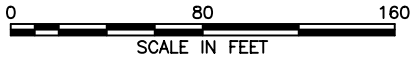
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DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-74

ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA



GRID  
NORTH



MATCHLINE - SEE DWG. GNP-76

MATCHLINE - SEE DWG. GNP-74

MATCHLINE - SEE DWG. GNP-76

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

Plotted By: sromeiser  
Design File: \\00US0238-PF5501\shared\_projects\1928104734\transportation\design\drawings\Phase 2\plans\GNP\0214811-03.cph.gnp.GNP75.dgn  
Plotted: 5/8/2025 8:31:17 AM

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DATE	DESCRIPTION	BY	SY



**Thruway  
Authority**



TITLE OF PROJECT	ROADSIDE SAFETY IMPROVEMENTS
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LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

	TITLE OF DRAWING
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## GENERAL PLAN

CONTRACT NUMBER:
------------------

TAR 25-15

DATE: 05/09/2025

DRAWING NUMBER:  
GNP-75

A horizontal scale bar with a black and white checkered pattern. It is labeled 'SCALE IN FEET' below the bar. Numerical markings are placed above the bar at 0, 80, and 160.

SCALE IN FEET



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Design File: 04050258-PFF 5501 denarded.projects\1928104734\transportation\design\drawingPhase 2\plans\GNP\0214811-03\_coh-gnp-GNP76.dgn  
Printed: 5/8/2025 8:31:25 AM

CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

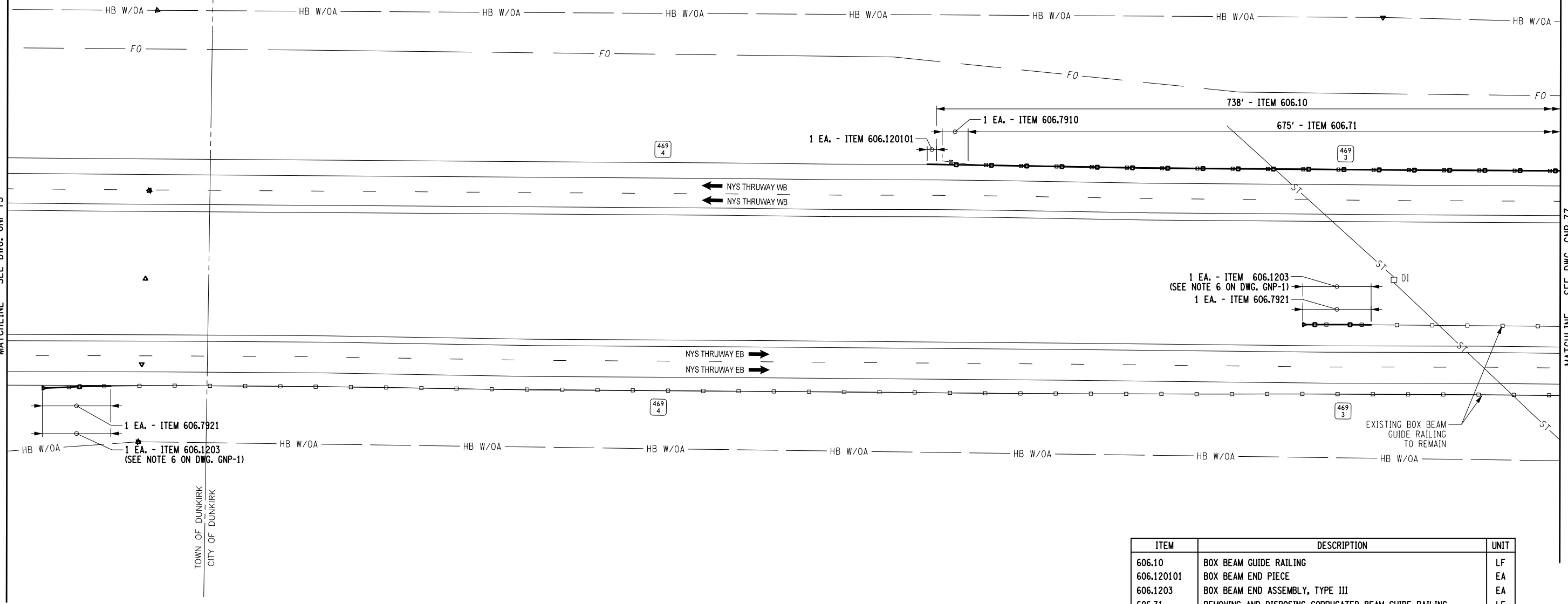
CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

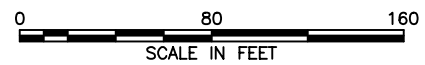
DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-75

MATCHLINE - SEE DWG. GNP-77



ITEM	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.120101	BOX BEAM END PIECE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA





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05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

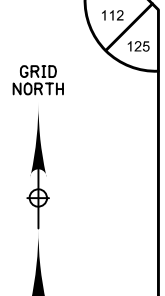
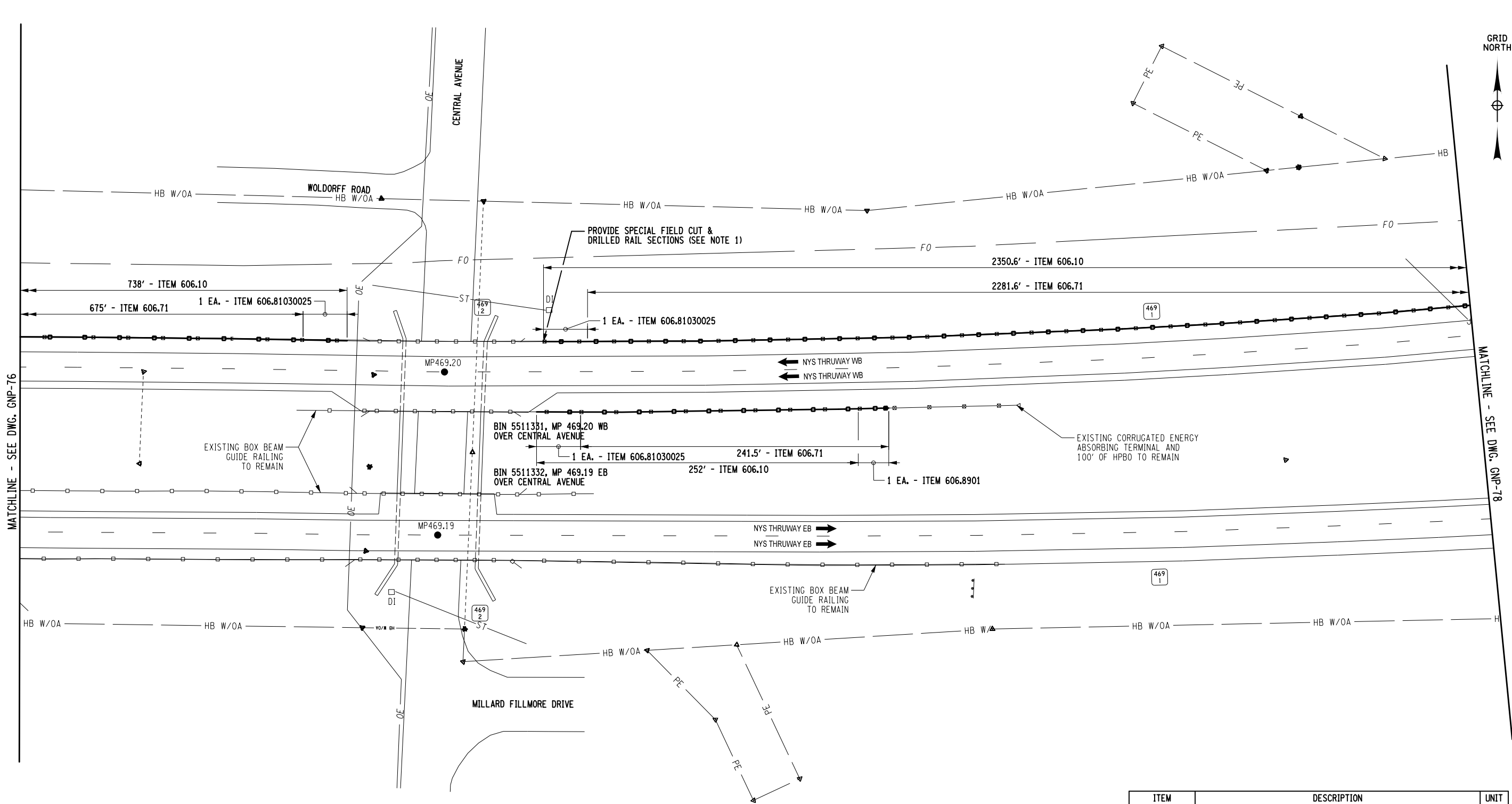
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-76



- NOTES:**
1. THE CONTRACTOR SHALL PROVIDE SPECIAL FIELD CUT AND DRILLED (NOT BURNED) RAIL SECTIONS. ALL NON-STANDARD LENGTHS OF CUT RAIL SHALL BE MORE THAN HALF THE STANDARD LENGTH. IF A SECTION LESS THAN HALF IS REQUIRED, AN ADJACENT SECTION SHALL BE CUT CREATING TWO (2) ADJACENT NON-STANDARD SECTIONS OF SIMILAR SIZE.

ITEM	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.81030025	REMOVING AND DISPOSING GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION)	EA
606.8901	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED BEAM GUIDE RAILING TO BOX BEAM GUIDE RAILING	EA

ALTERED ON:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-77

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Design File: 04US0256-PFF 5501denared.projects\seil9281047341transportation\design\drawingPhase 2\plans\GNP\0214811-03\_coh-gnp-GNP78.dgn  
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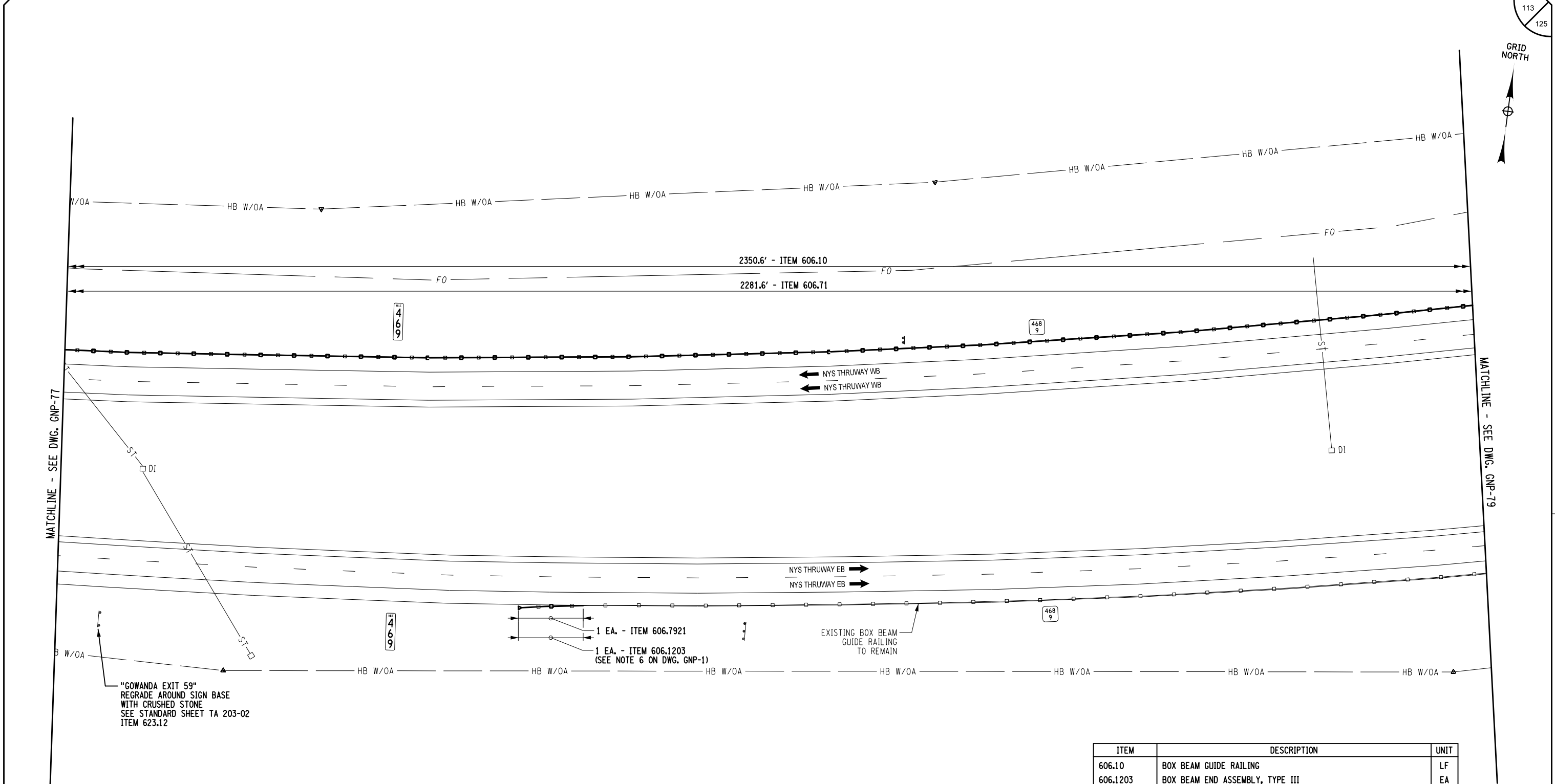
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

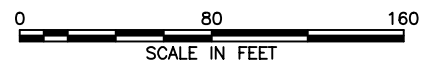


ALTERED ON:	AFFIXED ON: 05/09/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
	LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-78



Plotted By: sromeliser  
Design File: 04US0258-PF5501denhorst\projects\128104734\transportation\design\drawing\Phase 2\plans\GNP-78.dgn  
Plotted: 5/8/2025 8:31:54 AM

CHECKED BY: B. WALKER

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CHECKED BY: J. JOHNS

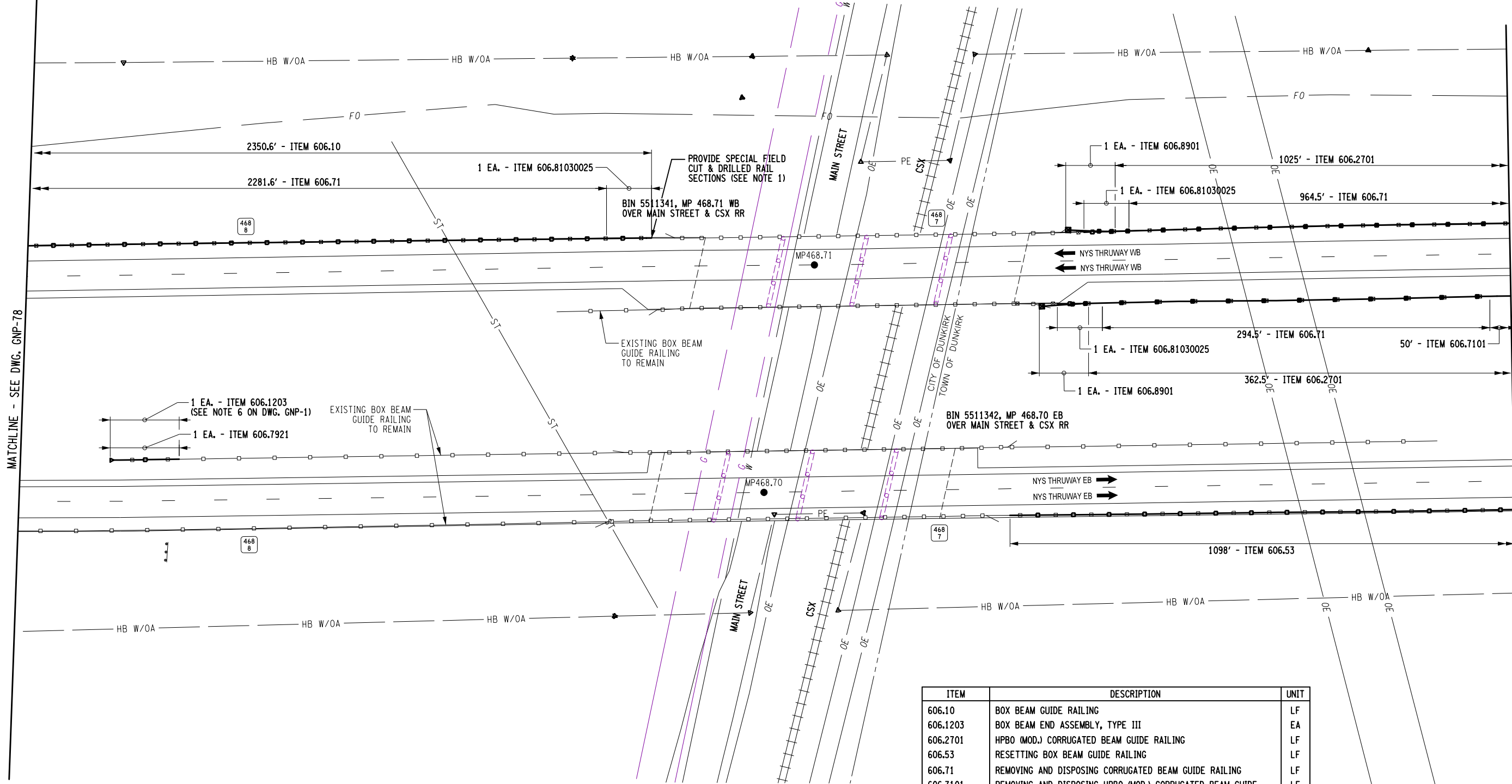
DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

MATCHLINE - SEE DWG. GNP-78

MATCHLINE - SEE DWG. GNP-80

114  
125



ITEM	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.81030025	REMOVING AND DISPOSING GUIDE RAIL TRANSITION CORRUGATED BEAM TO BOX BEAM (ONE OR TWO WAY OPERATION)	EA
606.8901	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED GUIDERAILING TO BOX BEAM GUIDE RAILING	EA

NOTES:

1. THE CONTRACTOR SHALL PROVIDE SPECIAL FIELD CUT AND DRILLED (NOT BURNED) RAIL SECTIONS. ALL NON-STANDARD LENGTHS OF CUT RAIL SHALL BE MORE THAN HALF THE STANDARD LENGTH. IF A SECTION LESS THAN HALF IS REQUIRED, AN ADJACENT SECTION SHALL BE CUT CREATING TWO (2) ADJACENT NON-STANDARD SECTIONS OF SIMILAR SIZE.

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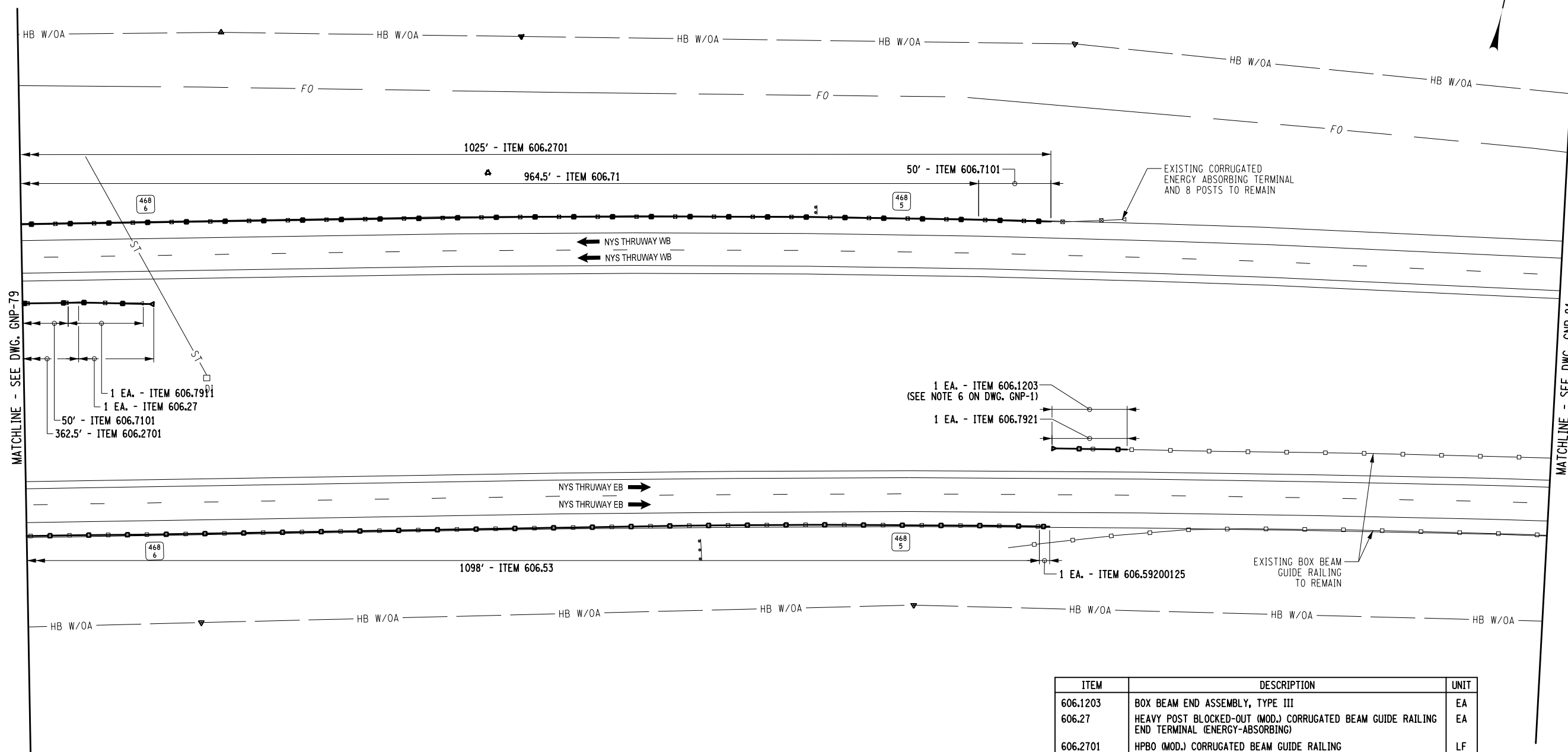
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



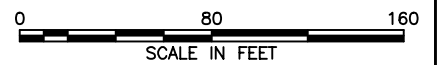
TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS  
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50  
TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15  
DATE:  
05/09/2025  
DRAWING NUMBER:  
GNP-79





ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.27	HEAVY POST BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING END TERMINAL (ENERGY-ABSORBING)	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7911	REMOVING AND DISPOSING WEAK AND HEAVY POST CORRUGATED BEAM ENERGY ABSORBING TERMINALS	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA



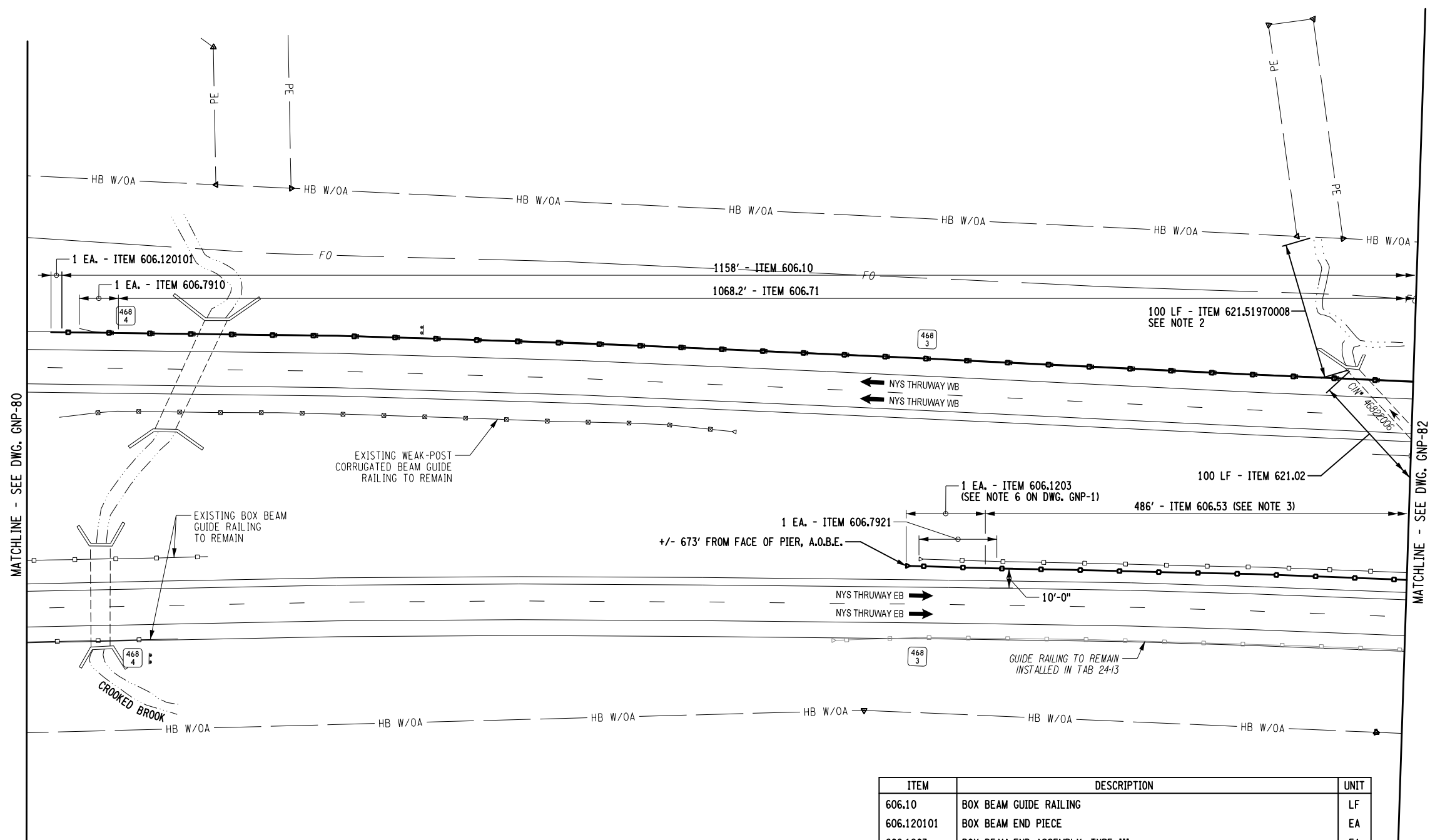
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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 ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-80

Plotted By: sromeliser  
Design File: 04US0258-PFF5501denared\_projects19281047341transportationdesigndrawingPhase 2plansGNP0214811-03\_coh-gnp-GNP80.dgn  
Printed: 5/8/2025 8:31:37 AM  
DESIGNED BY: J. HOFMANN  
CHECKED BY: J. JOHNS  
DRAFTED BY: S. ROMEISER  
CHECKED BY: B. WALKER



ITEM	DESCRIPTION	UNIT
606.10	BOX BEAM GUIDE RAILING	LF
606.120101	BOX BEAM END PIECE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.53	RESETTING BOX BEAM GUIDE RAILING	LF
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
621.02	CLEANING CULVERTS WITH SPAN OF MORE THAN 50 IN.	LF
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF

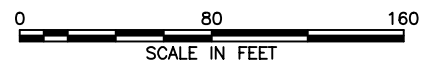
- NOTES:**
1. FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
  2. FOR DETAILS SEE CLEANING AND RESHAPING DETAILS, DWG. DD-1.
  3. GUIDE RAIL TO BE RESET SHALL BE LOCATED 10' FROM THE EDGE OF TRAVELWAY PARALLEL TO THE EDGE LINE.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-81



Plotted By: sromeliser  
Design File: 04US0258-PFF5501denared\_projects19281047341transportationdesignanddrawingPhase 2plansGNP0214811-03\_coh-gnp-GNP81.dgn  
Plotted: 5/8/2025 8:31:40 AM

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DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

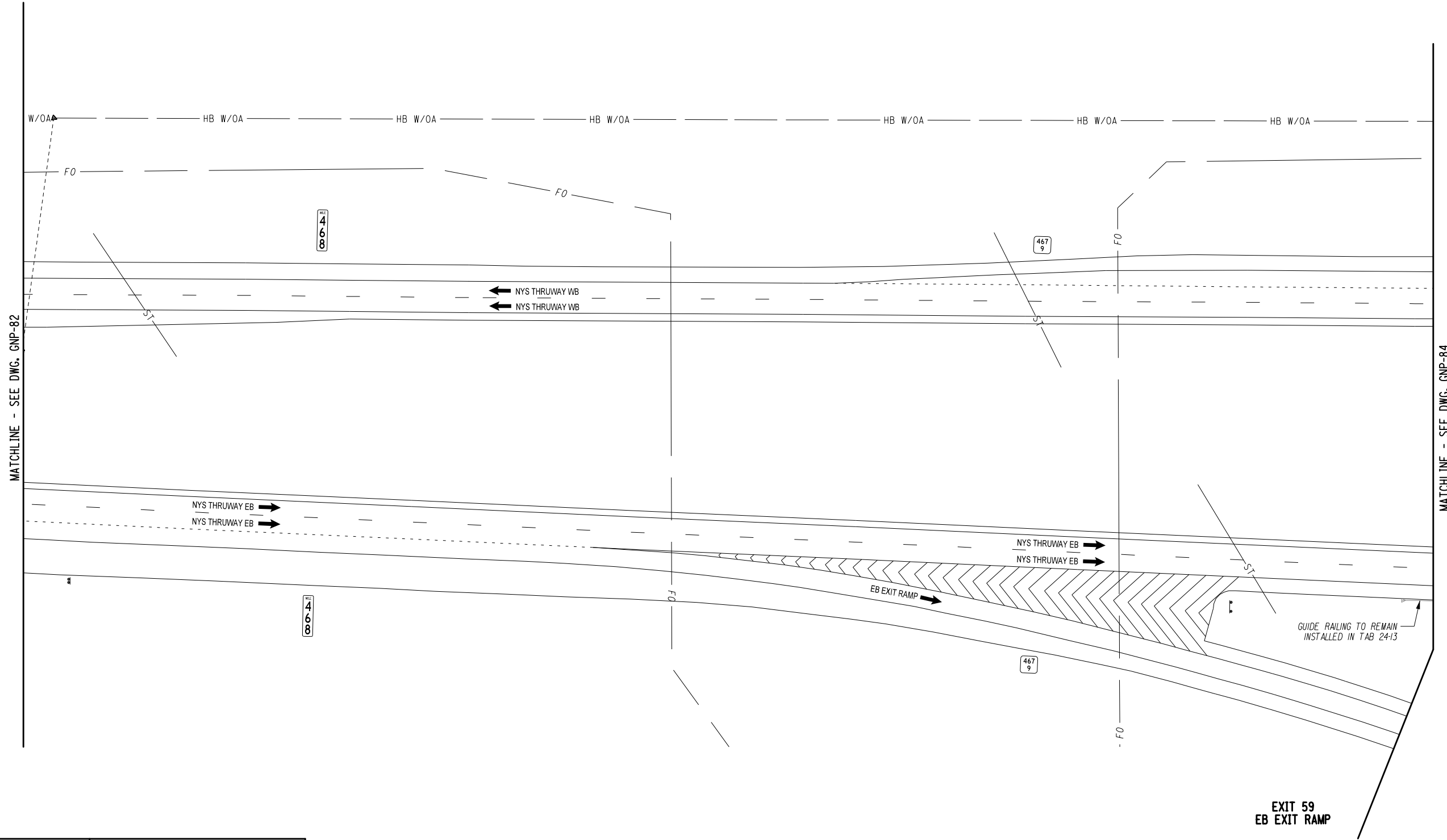
ALTERED ON:

AFFIXED ON:  
05/09/2025



Plotted By: sromeiser  
Design File: 04US0258-PFF 5501.dgn  
Checked By: J. JOHNS  
Designed By: B. WALKER  
Design Supervisor: J. HOFMANN

04US0258-PFF 5501.dgn  
5/8/2025 8:31:46 AM  
Checked By: S. ROMEISER  
Drafted By: S. ROMEISER  
Checked By: B. WALKER



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

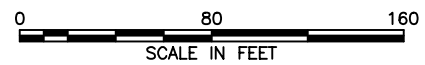
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-83



Plotted By: sromeliser  
Design File: 04US0258-PFF5501denared.projects\1928104734\transportation\design\drawing\Phase 2\plans\GNP\0214811-03\_chp-gnp-GNP84.dgn  
Printed: 5/8/2025 8:31:51 AM

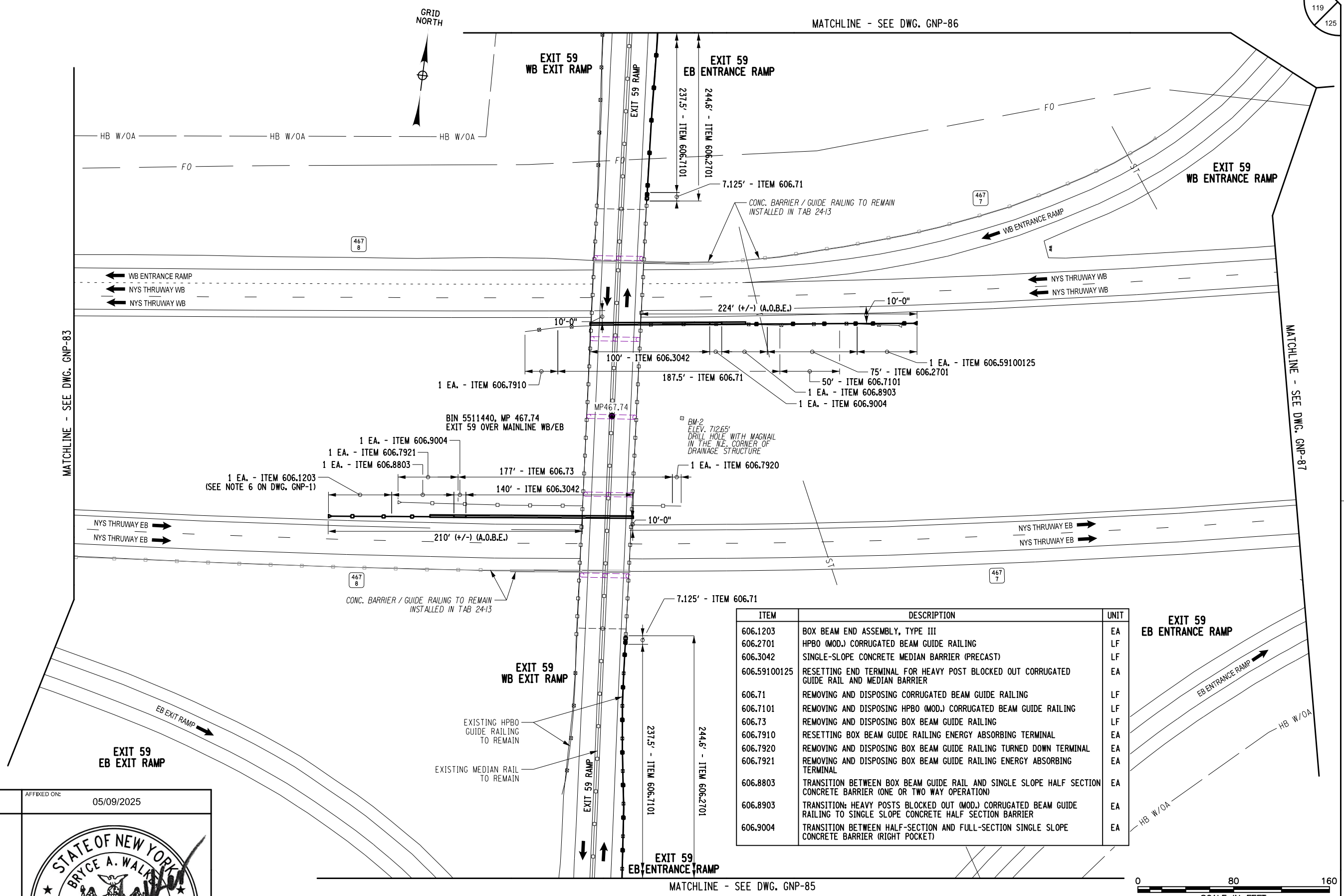
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



ITEM	DESCRIPTION	UNIT
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF
606.59100125	RESETTING END TERMINAL FOR HEAVY POST BLOCKED OUT CORRUGATED GUIDE RAIL AND MEDIAN BARRIER	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7910	RESETTING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA
606.8903	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED BEAM GUIDE RAILING TO SINGLE SLOPE CONCRETE HALF SECTION BARRIER	EA
606.9004	TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER (RIGHT POCKET)	EA



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-84

Plotted By: sromeliser  
Design File: 04US0256-PFF 5501denared.projects1928104734transportationdesigndrawingPhase 2plansGNP0214811-03.chp-gnp-GNP85.dgn  
Checked: 5/8/2025 8:31:55 AM

CHECKED BY: J. JOHNS

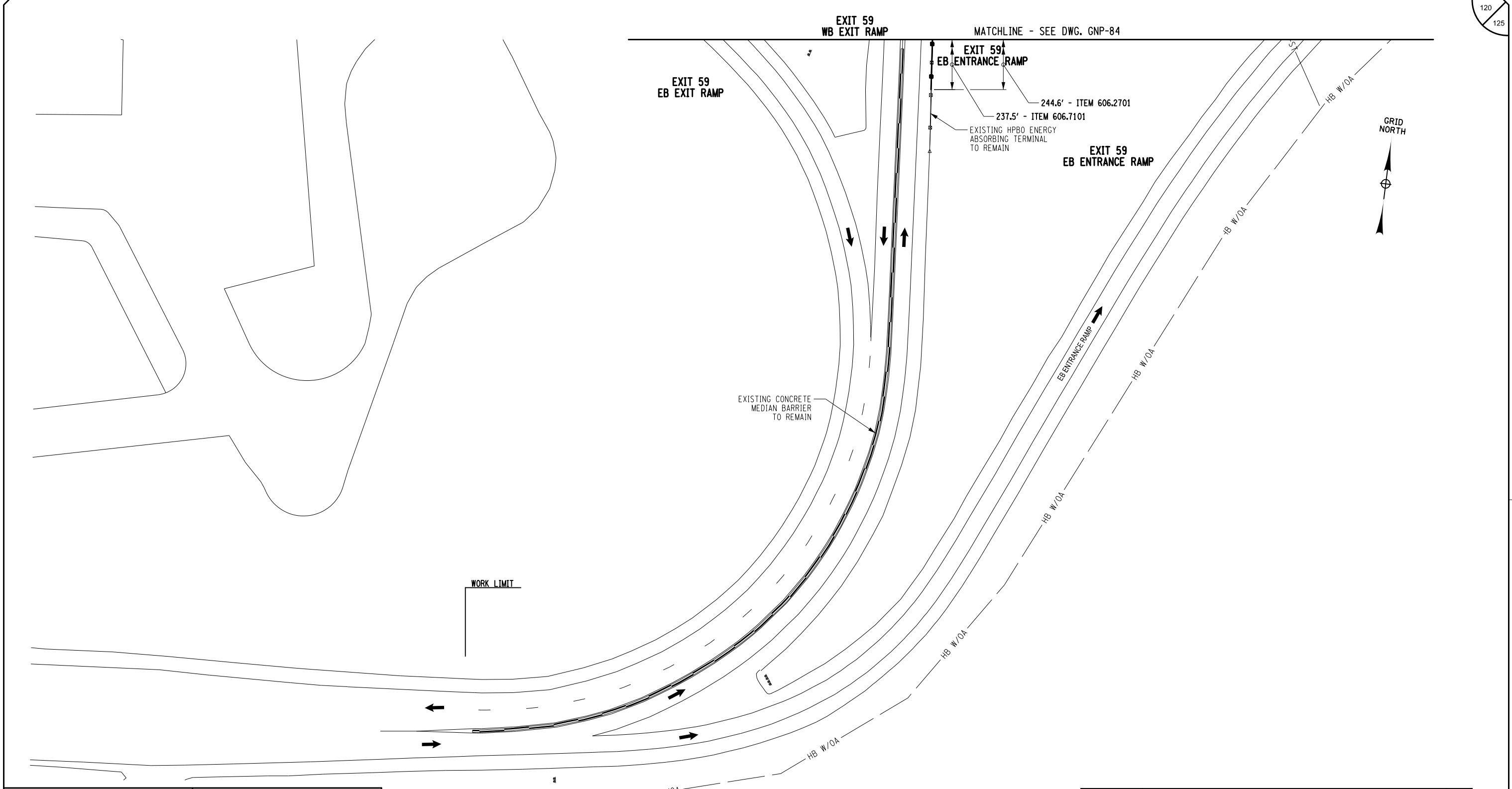
DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

CHECKED BY: S. ROMEISER

DRAFTED BY: S. ROMEISER

CHECKED BY: B. WALKER



ALTERED ON:

AFFIXED ON: 05/09/2025

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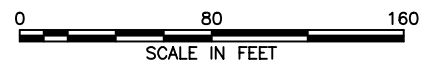
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT	CONTRACT NUMBER:
ROADSIDE SAFETY IMPROVEMENTS	TAB 25-15

LOCATION OF PROJECT	DATE:
BUFFALO DIVISION MP 467.00 TO MP 485.50	05/09/2025

TITLE OF DRAWING	DRAWING NUMBER:
GENERAL PLAN	GNP-85

ITEM	DESCRIPTION	UNIT
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF



Plotted By: sromeliser  
Design File: 04US0258-PFF 5501denared.projects\19281047341transportation\design\drawingPhase 2\plans\GNP\0214811-03\_chp-gnp-GNP86.dgn  
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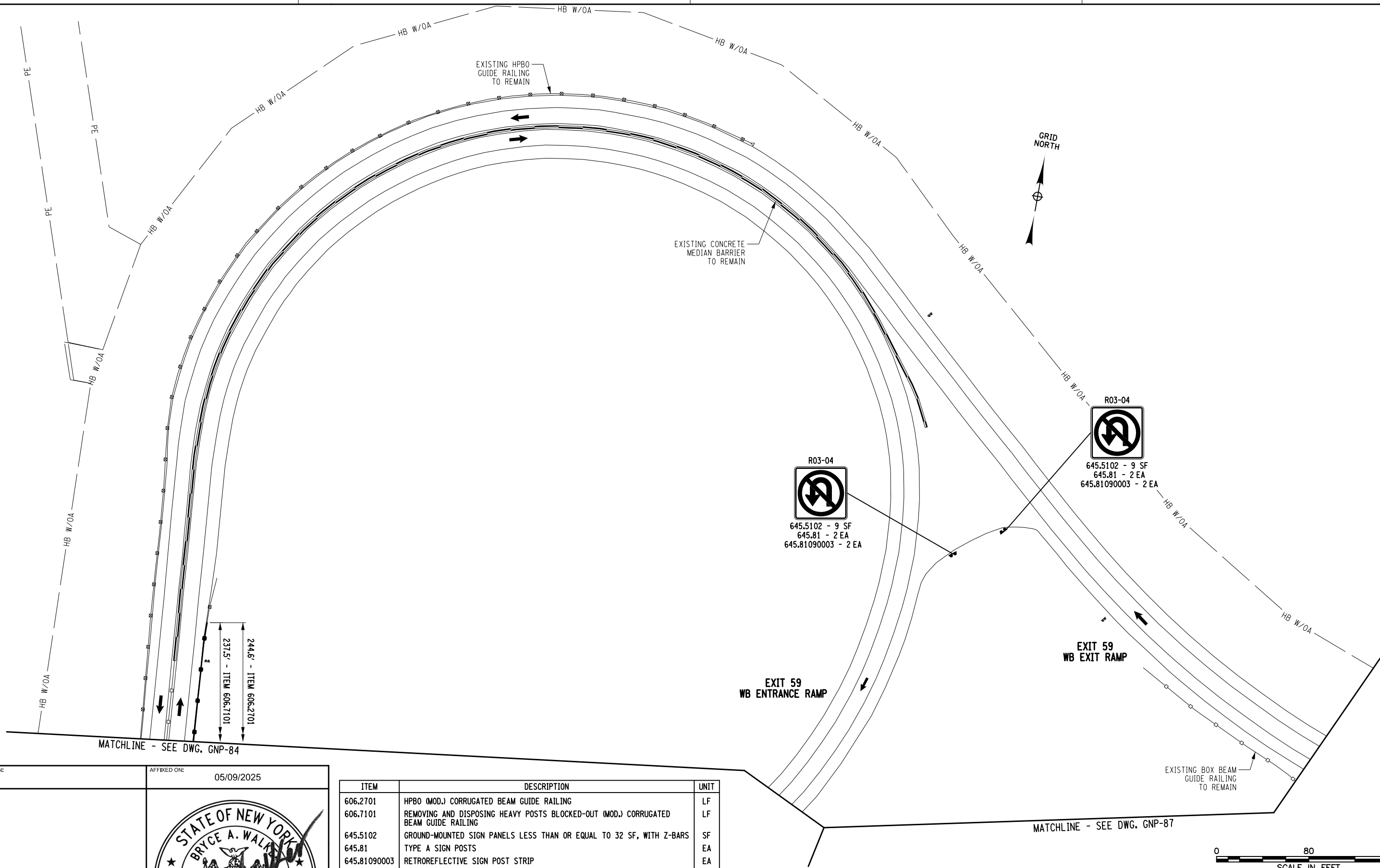
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



ALTERED ON:

AFFIXED ON:  
05/09/2025

ITEM	DESCRIPTION	UNIT
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HEAVY POSTS BLOCKED-OUT (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF
645.81	TYPE A SIGN POSTS	EA
645.81090003	RETROREFLECTIVE SIGN POST STRIP	EA

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT  
ROADSIDE SAFETY IMPROVEMENTS

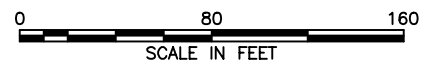
LOCATION OF PROJECT  
BUFFALO DIVISION  
MP 467.00 TO MP 485.50

TITLE OF DRAWING  
GENERAL PLAN

CONTRACT NUMBER:  
TAB 25-15

DATE:  
05/09/2025

DRAWING NUMBER:  
GNP-86



Plotted By: sromeliser  
Design File: 04US0258-PF5501denared.projects\se1928104734transportation\design\drawing\Phase 2\plans\GNP\0214811-03\_cph-gnp-GNP87.dgn  
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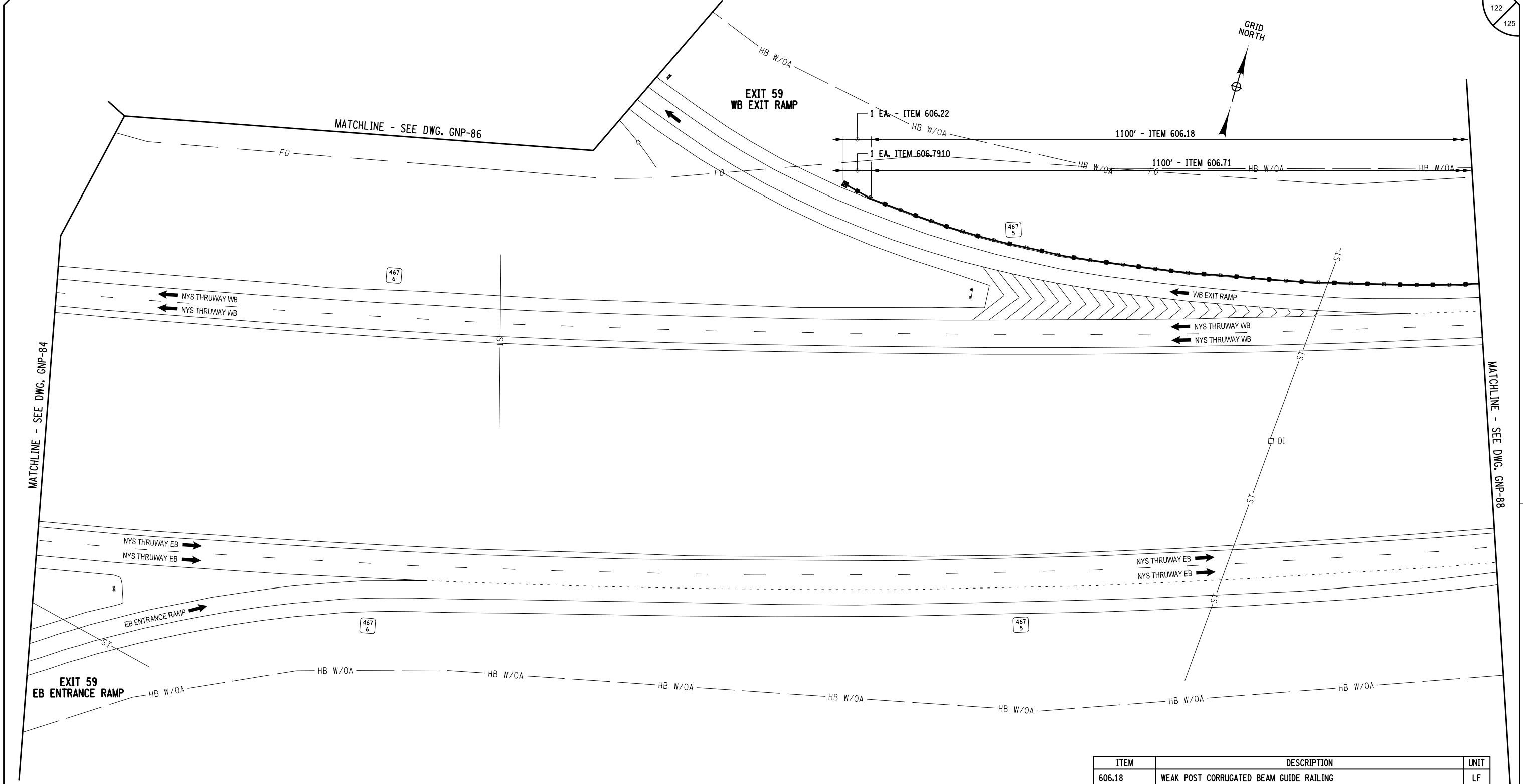
CHECKED BY: J. JOHNS

CHECKED BY: S. ROMEISER

CHECKED BY: B. WALKER

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



ITEM	DESCRIPTION	UNIT
606.18	WEAK POST CORRUGATED BEAM GUIDE RAILING	LF
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-87

GRID  
NORTH

CHECKED BY: B. WALKER

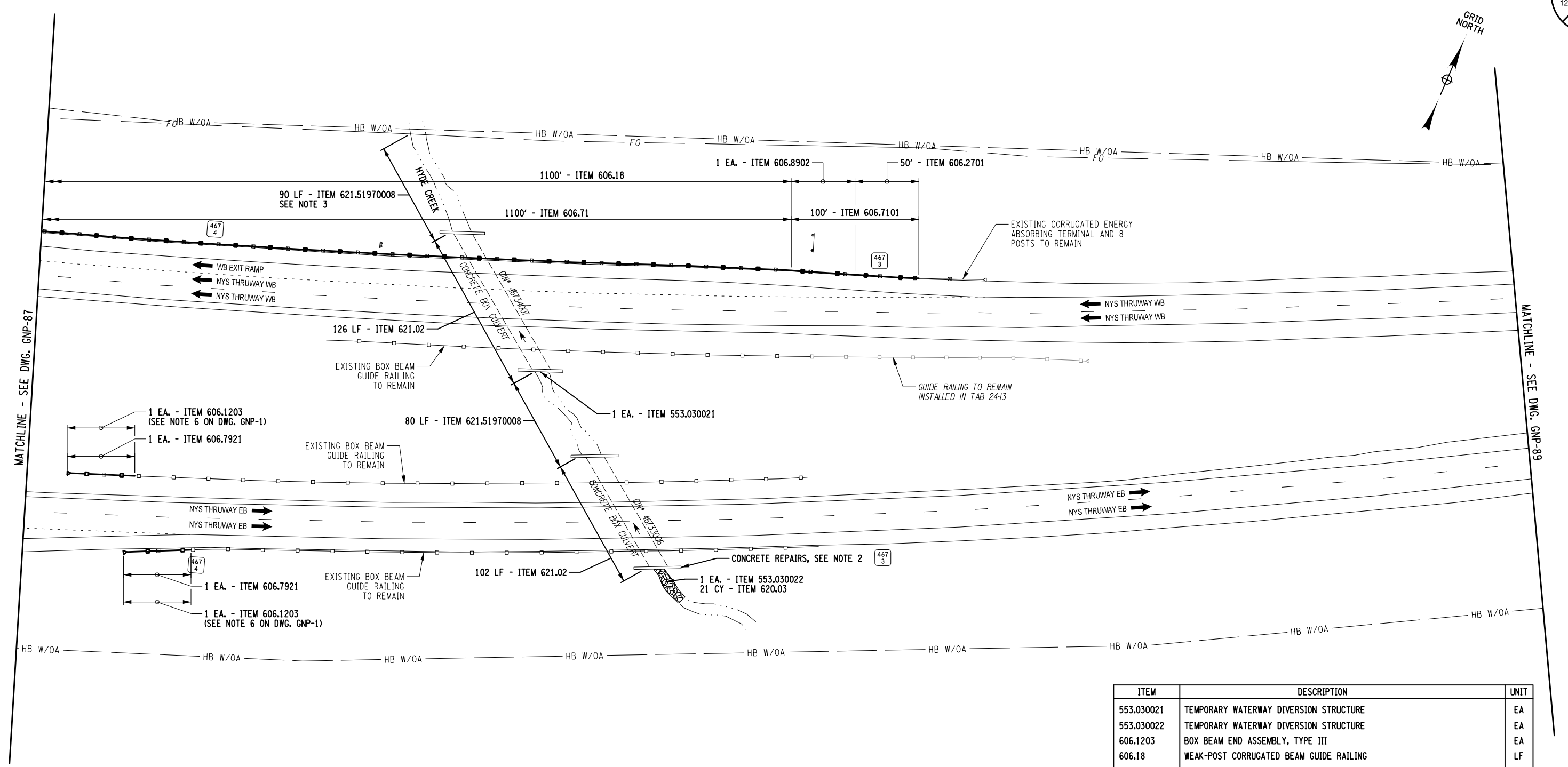
DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN

Plotted By: sromiser  
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 Plotted:




ITEM	DESCRIPTION	UNIT
553.030021	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
553.030022	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA
606.18	WEAK-POST CORRUGATED BEAM GUIDE RAILING	LF
606.2701	HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.7101	REMOVING AND DISPOSING HPBO (MOD.) CORRUGATED BEAM GUIDE RAILING	LF
606.7921	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING ENERGY ABSORBING TERMINAL	EA
606.8902	TRANSITION: HEAVY POSTS BLOCKED OUT (MOD.) CORRUGATED BEAM GUIDE RAILING TO WEAK POST CORRUGATED BEAM GUIDE RAILING	EA
620.03	STONE FILLING (LIGHT)	CY
621.02	CLEANING CULVERTS WITH SPAN OF MORE THAN 50 IN.	LF
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF

NOTES:

1. FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
2. FOR DETAILS SEE DRAINAGE CONCRETE REPAIR DETAIL MP 467.33, DWG. DD-13
3. FOR DETAILS SEE CLEANING AND RESHAPING DETAILS, DWG. DD-1.

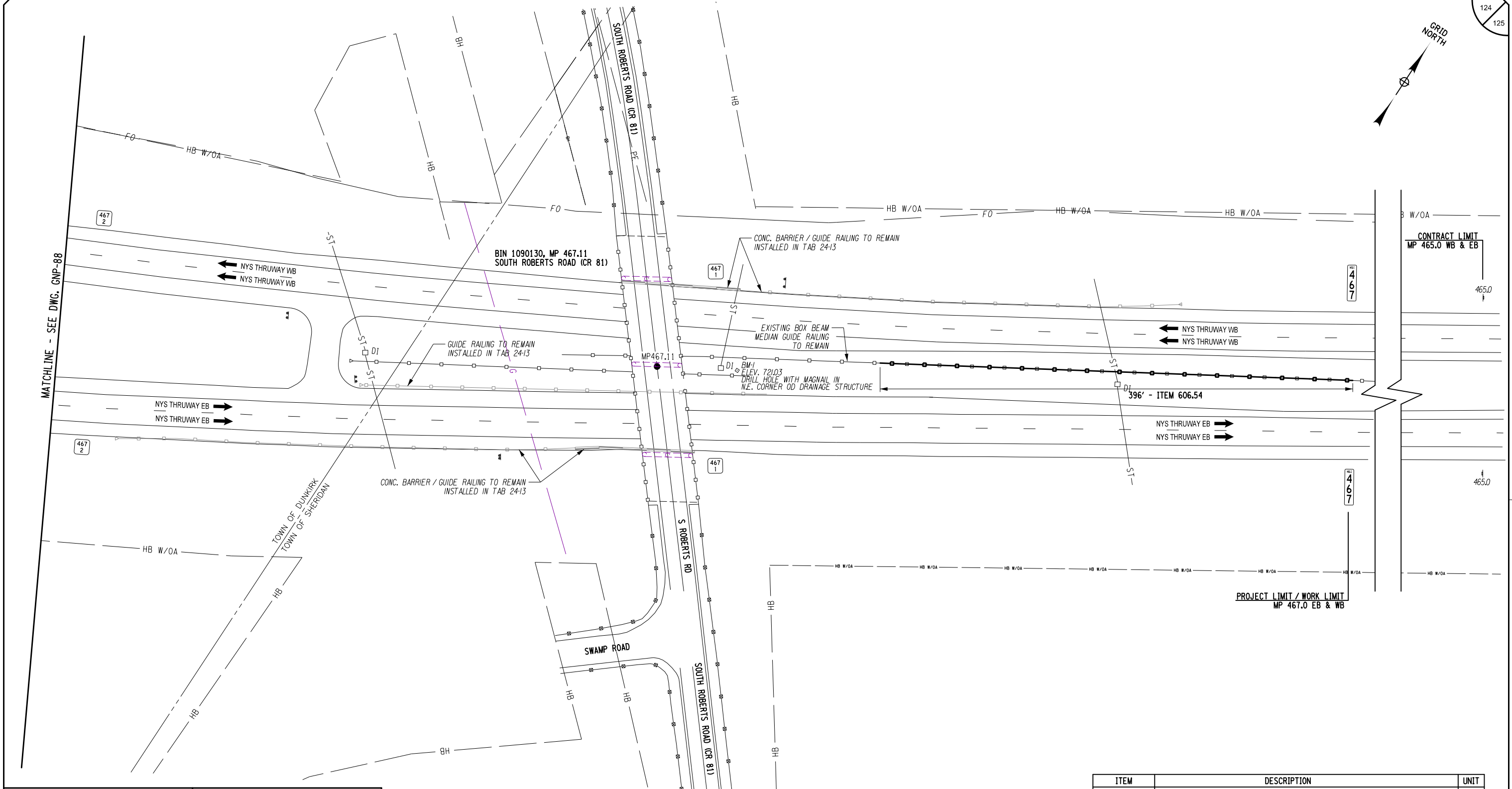
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ALTERED ON:	AFFIXED ON: 05/09/2025
DESIGN SUPERVISOR: J. PORTMANN	

REVISIONS					TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS		CONTRACT NUMBER: TAB 25-15
DATE	DESCRIPTION	BY	SYM.		LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025	
					TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-88	

Plotted By: sromeliser  
Design File: 04US0258-PF5501.dgn  
Project: 04US0258-PF5501.dgn  
Date: 5/8/2025 8:32:12 AM



DESIGNED BY: J. JOHNS  
CHECKED BY: J. JOHNS  
DRAFTED BY: S. ROMEISER  
CHECKED BY: S. ROMEISER  
B. WALKER  
B. WALKER  
J. HOFMANN



ALTERED ON: AFFIXED ON: 05/09/2025

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 ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-89

ITEM	DESCRIPTION	UNIT
606.54	RESETTING BOX BEAM MEDIAN BARRIER	LF

Plotted By: sromeliser  
Design File: 04US0256-PFF 5501 denardred.projects\1928104734\transportation\design\drawing\Phase 2\plans\GNP\0214811-03\_coh-gnp-GNP90.dgn  
Printed: 5/8/2025 8:32:14 AM

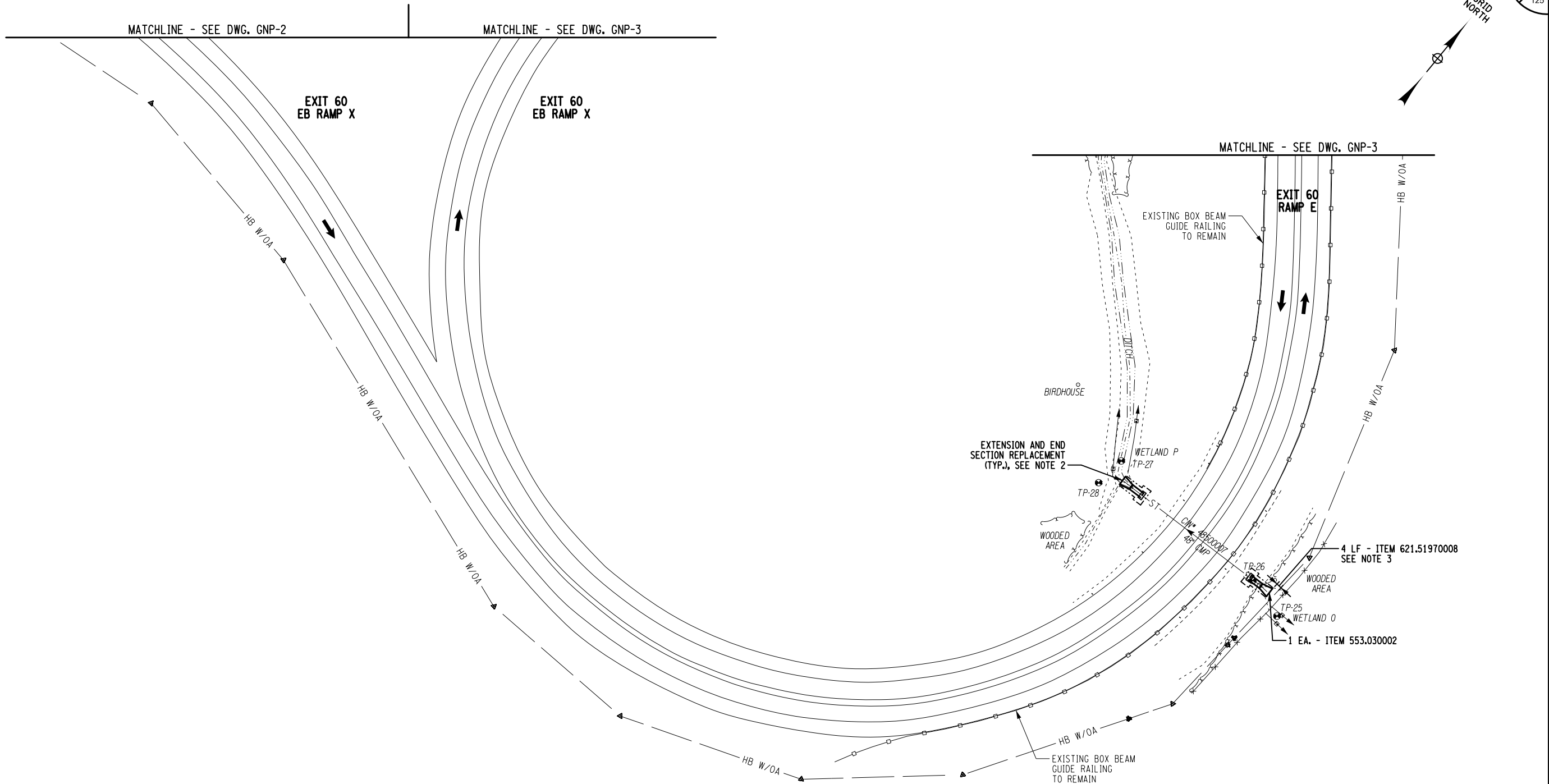
CHECKED BY: B. WALKER

DRAFTED BY: S. ROMEISER

CHECKED BY: J. JOHNS

DESIGNED BY: B. WALKER

DESIGN SUPERVISOR: J. HOFMANN



ALTERED ON:	AFFIXED ON: 05/09/2025
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NOTES:

1. FOR ITEMS AND QUANTITIES SEE DRAINAGE TABLE, DWG. MST-1.
2. FOR DETAILS SEE DRAINAGE END SECTION DETAILS MP 485.00, DWG. DD-4.
3. FOR DETAILS SEE CLEANING AND RESHAPING DETAILS, DWG. DD-1.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT ROADSIDE SAFETY IMPROVEMENTS	CONTRACT NUMBER: TAB 25-15
LOCATION OF PROJECT BUFFALO DIVISION MP 467.00 TO MP 485.50	DATE: 05/09/2025
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: GNP-90

ITEM	DESCRIPTION	UNIT
553.030002	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA
621.51970008	GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS	LF