



SYRACUSE DIVISION
PLANS FOR
REPLACEMENT
OF THE
I-90 BRIDGE OVER ORISKANY BOULEVARD (NY 69)
AT
MILEPOST 238.22
IN
ONEIDA COUNTY

TAS 24-20B D214978
120 SHEETS BIN 5009929

TYPE OF CONSTRUCTION:
BRIDGE REPLACEMENT, FULL DEPTH RECONSTRUCTION OF HIGHWAY INCLUDING SHOULDERS,
GUIDE RAIL REPLACEMENT & PAVEMENT MARKINGS

STANDARD SHEETS:
THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY NYS DOT, 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.

BRIDGE MAINTENANCE GUIDELINES

UPON COMPLETION OF THIS PROJECT, THE BRIDGE STRUCTURES REPAIRED,
REHABILITATED OR RECONSTRUCTED HEREUNDER SHALL BE MAINTAINED IN
ACCORDANCE WITH THE CURRENT AASHTO MANUAL FOR BRIDGE MAINTENANCE,
AND THE NEW YORK STATE THRUWAY AUTHORITY MAINTENANCE DIRECTIVES:

BRIDGE MANAGEMENT PROGRAM MD 05-16, BRIDGE MANAGEMENT ACTIVITIES
MD 05-3, AND BRIDGE INSPECTION PROGRAM MD 95-5.

SPECIAL MAINTENANCE REQUIREMENTS: NONE

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".

MAINTENANCE JURISDICTION

100% AUTHORITY
ALL APPROACH AND ALL BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE ELEMENTS.

100% MUNICIPALITY OR STATE
ORISKANY BLVD SHOULDERS, CURBS, AND PAVEMENT.

LOAD RATING TABLE

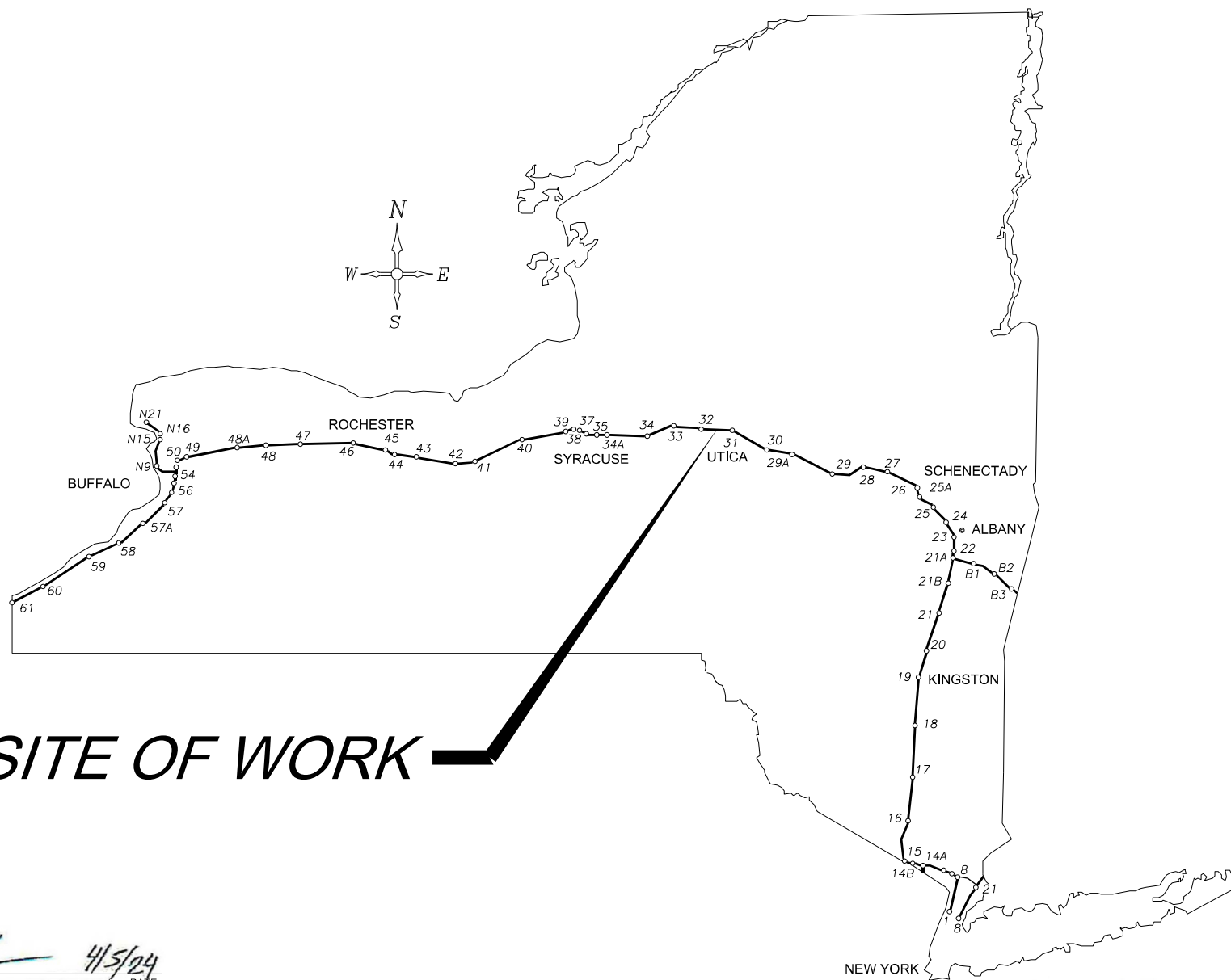
CONTROLLING MEMBER	INVENTORY LOAD RATING	OPERATING LOAD RATING
EXTERIOR GIRDER (LFR)	HS-26 (47 TONS)	HS-43 (78 TONS)
EXTERIOR GIRDER (LRFR)	1.40	1.82

HL-93 LIVE LOADING, LRFR AND HS 20 LIVE LOADING, LFD.
INCLUDES FUTURE WEARING COURSE OF 25 PSF

	PROJECT LIMITS		CONTRACT LIMITS	
	FROM STA.	TO STA.	FROM STA.	TO STA.
ORISKANY BOULEVARD	OR 16+50	OR 18+75	WZTC LIMITS	
MAINLINE I-90 EB	EB 12+00	EB 21+50	WZTC LIMITS	
MAINLINE I-90 WB	WB 12+00	WB 21+50	WZTC LIMITS	

UDIG NEW YORK
UNDERGROUND FACILITIES PROTECTION ORGANIZATION
CALL 811

PREPARED AND RECOMMENDED BY:
Daniel Levine DATE 04/23/2024
PARSONS CORPORATION
DANIEL LEVINE, P.E.
NYS LICENSE NUMBER: 097330



SITE OF WORK

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

FISCAL SHARE	COST(S)

RECOMMENDED BY: *[Signature]* 4/5/24
DIRECTOR, OFFICE OF DESIGN DATE

RECOMMENDED BY: *[Signature]* 4/18/24
DIVISION DIRECTOR DATE

RECOMMENDED BY: *[Signature]* 4/5/24
TRAFFIC ENGINEER DATE

RECOMMENDED BY: *[Signature]* 04/09/24
DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT DATE

RECOMMENDED BY: *[Signature]* 4/10/24
DIRECTOR OF MAINTENANCE AND OPERATIONS DATE

APPROVED BY: *[Signature]* 4/10/24
CHIEF ENGINEER DATE

REVIEWED BY: *[Signature]*
PROJECT MANAGER: *[Signature]*
BUREAU DIRECTOR: *[Signature]*

CHECKED BY: D. LEVINE

DRAFTED BY: LITNESER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

ALIGNMENT		TOPOGRAPHY (MISCELLANEOUS)		UTILITIES	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AH	AHEAD	ABUT	ABUTMENT	E	ELECTRIC
AZ	AZIMUTH	AOBE	AS ORDERED BY ENGINEER	EMH	ELECTRIC MANHOLE
BK	BACK	ASPH	ASPHALT	G	GAS
B	BASELINE	BDY	BOUNDARY	GP	GUY POLE
BRG	BEARING	BLDG	BUILDING	GSB	GAS SERVICE BOX (HOUSE LINE)
C	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		
PVI	POINT OF VERTICAL INTERSECTION	HWY	HIGHWAY		
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE		
R	RADIUS	MB	MAILBOX		
SC	SPIRAL TO CURVE	MON	MONUMENT		
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER		
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND		
STA	STATION	O/H	OVERHEAD		
T	TANGENT LENGTH	P	PARCEL		
TGL	THEORETICAL GRADE LINE	PAV'T	PAVEMENT		
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT		
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE		
	TOPOGRAPHY (DRAINAGE)	R	PROPERTY LINE		
ABBR.	DESCRIPTION	POR	PORCH		
BB	BOTTOM OF BANK (STREAM)	RR	RAILROAD		
BC	BOTTOM OF CURB	RTE	ROUTE		
BO	BOTTOM OF OPENING	ROW	RIGHT OF WAY		
CAP	CORRUGATED ALUMINUM PIPE	RW	RETAINING WALL		
CB	CATCH BASIN	SH	STATE HIGHWAY		
CIP	CAST IRON PIPE	SHLDR	SHOULDER		
C STRM	CENTERLINE OF STREAM	SPK	SPIKE		
CMP	CORRUGATED METAL PIPE	ST	STREET		
CP	CONCRETE PIPE	STK	STAKE		
CSP	CORRUGATED STEEL PIPE	STY	STORY		
CULV	CULVERT	SW	SIDEWALK		
DIA	DIAMETER	TE	TEMPORARY EASEMENT		
DMH	DRAINAGE MANHOLE	TO	TEMPORARY OCCUPANCY		
DS	DRAINAGE STRUCTURE PIPE	U/G	UNDERGROUND		
D'XING	DITCH CROSSING	WW	WING WALL		
EHW	EXTREME HIGH WATER				
EL	ELEVATION				
ELEV	ELEVATION				
ELW	EXTREME LOW WATER				
ES	END SECTION				
HW	HEADWALL				
INV	INVERT				
MH	MANHOLE				
MHW	MEAN HIGH WATER				
OHW	ORDINARY HIGH WATER				
OLW	ORDINARY LOW WATER				
RCP	REINFORCED CONCRETE PIPE				
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE				
TB	TOP OF BANK (STREAM)				
TC	TOP OF CURB				
TG	TOP OF GRATE				
VCP	VITRIFIED CLAY PIPE				

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

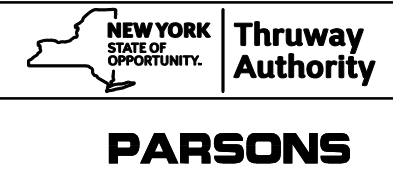
ABBR.	DESCRIPTION
SUBSURFACE EXPLORATION	
REPLACE ABBREVIATION "AB" WITH:	
AH	HAND AUGER
CP	CONE PENETROMETER
DA	2 1/4 INCHES CASSED DRILL HOLE
DM	DRILLING MUD
DN	4 INCHES CASSED DRILL HOLE
FH	HOLLOW FLIGHT AUGER
PA	POWER AUGER
PH	PROBE
PT	PERCOLATION TEST HOLE
RP	1 INCH SAMPLER (RETRACTABLE PLUG)
SP	SEISMIC POINT
TP	TEST PIT
ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:	
B	BRIDGE
C	CUT
D	DAM
F	FILL
K	CULVERT
W	WALL
X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE

INDEX		TOTAL NUMBER OF SHEETS
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
1	TITLE SHEET	COVER
2	INDEX AND ABBREVIATIONS	IND-1
3-4	LEGEND	LEG-1 TO LEG-2
5	NYSTA STANDARD SHEETS LISTING AND WORK TYPE TABLES	SS-1
6-7	GENERAL NOTES	GNN-1 TO GNN-2
8-10	TYPICAL SECTIONS	TYP-1 TO TYP-3
11	WORK ZONE TRAFFIC CONTROL NOTES	TCN-1
12-13	WORKZONE TRAFFIC CONTROL SIGN TABLE	WZSD-1 TO WZDS-2
14-39	WORKZONE TRAFFIC CONTROL PLANS, SECTIONS, AND DETAILS	TC-1 TO TC-26
40	WORKZONE TRAFFIC CONTROL ALIGNMENT TABLES	TC-27
41-42	SURVEY CONTROL PLAN AND BASELINE TIES	SCP-1 TO SCP-2
43-44	MISCELLANEOUS TABLES	MSC-1 TO MSC-2
45-46	EARTHWORK SUMMARY	ES-1 TO ES-2
47-48	EROSION AND SEDIMENT CONTROL PLAN	ECP-1 TO ECP-2
49-50	EROSION AND SEDIMENT CONTROL DETAILS	ECD-1 TO ECD-2
51	STORMWATER MANAGEMENT PLAN	SWM-1
52-53	ROADWAY PLANS	GNP-1 TO GNP-2
54-57	ROADWAY PROFILE	PRO-1 TO PRO-4
58-59	GUIDE RAIL AND FENCE PLANS	GR-1 TO GR-2
60-61	EXISTING AND PROPOSED BRIDGE PLAN AND ELEVATION	ST-1 TO ST-2
62-63	STAGED CONSTRUCTION SECTIONS	ST-3 TO ST-4
64-66	EXCAVATION AND EMBANKMENT PLAN AND SECTIONS	ST-5 TO ST-7
67-68	INTERIM STEEL SHEETING WALL PLAN AND ELEVATION	ST-8 TO ST-9
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M.P. 238.22, BIN 5009929

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 REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING INDEX AND ABBREVIATIONS	DRAWING NUMBER: IND-1

CHECKED BY: D. LEVINE

DRAFTED BY: LITNESER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

ALIGNMENT			LANDSCAPE			ROADWAY			TRAFFIC WORK ZONE		
STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION
	AC	CONTROL (CENTERLINE)		LABL	AREA, BRUSH LINE		RCZ.P	CLEAR ZONE		TWZBT.P	BARRIER, TEMPORARY
	AD.P	DETOUR		LAHR	AREA, HEDGE ROW		RG	GUIDE RAIL, MISCELLANEOUS		TWZBTWL.P	BARRIER, TEMPORARY, W/ WARNING LIGHTS
	AT.P	TRANSITION CONTROL		LAPB	AREA, PLANTING BED		RGB	GUIDE RAIL, BOX BEAM		TWZCD.P	CHANNELIZING DEVICE
BRIDGE				LAWA	AREA, WOODED AREA OUTLINE		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN		TWZPMRC.P	PAVEMENT MARKING REMOVAL OR COVERING
	BR	RAIL		LAWE	AREA, WATERS EDGE		RGC	GUIDE RAIL, CABLE	UTILITIES		
	BSHT	SHEET PILING		LCUT.P	CUT LIMIT		RCCB	GUIDE RAIL, CONCRETE BARRIER	STYLE	NAME	DESCRIPTION
CONTROL				LFILL.P	FILL LIMIT		RGP.P	GUIDE POST		UC	CONDUIT, UNDERGROUND
	CB	BASELINE		LFNC	FENCE		RGW	GUIDE RAIL, W BEAM		UCH	CONDUIT, HANGING
	CBPR	BASELINE, PROJECTION		LTRC	TREE ROW, CONIFEROUS		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UCO	CONDUIT, OVERHEAD
DRAINAGE				LTRD	TREE ROW, DECIDUOUS		RPB	PARKING BUMPER		UE	ELECTRIC LINE, UNDERGROUND
	DCP	CULVERT PIPE		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				RRRPS.P	RAIL, PHOTO, SMALL SCALE		UESS	ELECTRIC, SUBSTATIONS
	DDS.P	DITCH, STONE LINED		MDL	DEED LINE		RRS	RUMBLE STRIP		UFO	FIBER OPTIC, UNDERGROUND
	DFL.P	FLOW LINE		PE	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		FEE	FEE ACQUISITION, W/ ACCESS		SSO	STRUCTURE, OVERHEAD		UIC	INFORM CABLE, UNDERGROUND
	EDMC	DAM, COFFER		AFEE	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		STH	HATCH LINE		USAF	SANITARY SEWER, FORCE MAIN, UGND
	EWAA.P	WETLAND, ADJACENT AREA		MJC	JURISDICTION, CITY		STPB	PARTIAL BARRIER LINE		USAFH	SANITARY SEWER, FORCE MAIN, HANG
	EWF	WETLAND, FEDERAL		MJHD	JURISDICTION, HISTORIC DISTRICT		STRCT	ROUNDABOUT, CAT TRACKS		UT	TELEPHONE, UNDERGROUND
	EWF.S	WETLAND, FEDERAL AND STATE		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STRYL	ROUNDABOUT, YIELD LINE		UTH	TELEPHONE, HANGING
	EWM	WETLAND, MITIGATION AREA		MJN	JURISDICTION, NATION		STSB	STOP BAR		UTO	TELEPHONE, OVERHEAD
	EWS	WETLAND, STATE		MJPB	JURISDICTION, PUBLIC LANDS		STSE	SOLID, EDGE		UTV	CABLE TV, UNDERGROUND
				MJS	JURISDICTION, STATE		STXL	X WALK, LADDER LINE		UTVH	CABLE TV, HANGING
				MJT	JURISDICTION, TOWN		STXLB	X WALK, LADDER BAR LINE		UTVO	CABLE TV, OVERHEAD
				MJV	JURISDICTION, VILLAGE					UUU	UNKNOWN, UNDERGROUND
				MPL	PROPERTY LOT LINE					UUH	UNKNOWN, HANGING
				MPLA	PROPERTY LOT LINE, APPROXIMATE					UJU	UNKNOWN, OVERHEAD
				MSL	SUB LOT LINE					UW	WATER LINE, UNDERGROUND
						TRAFFIC CONTROL				UWH	WATER LINE, HANGING
							TCSW	SIGNAL, SPAN WIRE		UWO	WATER LINE, OVERHEAD

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING LEGEND (SHEET 1 OF 2)	DRAWING NUMBER: LEG-1

M.P. 238.22, BIN 5009929

CHECKED BY: D. LEVINE

DRAFTED BY: LITESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			UTILITIES								
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION						
+	ACC	CENTER OF CURVATURE	+	DINV	INVERT	Ⓜ	IANT_P	ANTENNAS	Ⓜ	MDL1P	DEED LINE, TYPE 1	Ⓜ	S	SINGLE POST	Ⓜ	UEB	ELECTRIC, BOX						
+	ACOGO	COGO	Ⓜ	DS	STRUCTURE, RECTANGULAR	Ⓜ	IASCTS	ACCOU. SPEED/COUNT SNSR.S	Ⓜ	MDL2P	DEED LINE, TYPE 2	Ⓜ	S.P	SINGLE POST, PROPOSED	Ⓜ	UEM	ELECTRIC, METER						
Ⓜ	ACS	CURVE TO SPIRAL	+	DSI	STRUCTURE, INVERT	Ⓜ	ICABPAD	CABINET & PAD	Ⓜ	MDL3P	DEED LINE, TYPE 3	Ⓜ	SB.P	BACK TO BACK, PROPOSED	Ⓜ	UEMH	ELECTRIC, MANHOLE						
Ⓜ	ADPL.P	DETOUR, POINT OF INTERSECT.	Ⓜ	DSM	STRUCTURE, MANHOLE	Ⓜ	ICCTV	CCTV SITE	Ⓜ	MDL4P	DEED LINE, TYPE 4	Ⓜ	SDEL	DELINEATORS	Ⓜ	UEPT	ELECTRIC, POLE, TRANS.						
Ⓜ	ADPL.P	DETOUR, POINT ON LINE	Ⓜ	DSMTXX.P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96	Ⓜ	ICDPD	CDPD TRANSCEIVER	Ⓜ	MDL5P	DEED LINE, TYPE 5	Ⓜ	SPM	PARKING METER	Ⓜ	UGM	GAS, METER						
Ⓜ	AEQN	EQUATION	Ⓜ	DSR	STRUCTURE, ROUND	Ⓜ	ICELLT	CELL PHONE TOWER	Ⓜ	MEEP	EASEMENT, EXISTING	Ⓜ	SRM	REFERENCE MARKERS	Ⓜ	UGMH	GAS, MANHOLE						
Ⓜ	AEQNAHD	EQUATION AHEAD	Ⓜ	DST"X"CB.P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	Ⓜ	ICJB	CONDUIT JACK OR BORING	Ⓜ	MEPAP.P	EASEMENT, PERM., APPROX.	Ⓜ	SRSC3	SHLD, CTY, 123 DIG.	Ⓜ	UGLM	GAS, LINE MARKER						
Ⓜ	AEQNBK	EQUATION BACK	Ⓜ	DST"X"CB.P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	Ⓜ	ICNTLCAB	CONTROLLER CABINET	Ⓜ	MEPP.P	EASEMENT, PERM., BACK LINE	Ⓜ	SRSC4	SHLD, CTY, 4 DIG.	Ⓜ	UGP	GAS/FUEL PUMP						
Ⓜ	AEVT	EVENT STATION	Ⓜ	DST"X"CB.P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	Ⓜ	ICPB	COMMUNICATION PULL BOX	Ⓜ	MEPS.P	EASEMENT, PERM., SHAPE	Ⓜ	SRSC2	SHLD, CTY TOUR, 1-2 DIG.	Ⓜ	UCV	GAS, VALVE						
Ⓜ	APC	POINT OF CURVATURE	Ⓜ	DST"X"CB.P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	Ⓜ	ICTD	CONDUIT TURNING DOWN	Ⓜ	MFAP.P	FEE ACQUISITION, APPROX.	Ⓜ	SRSC4	SHLD, CTY TOUR, 3-4 DIG.	Ⓜ	UGVT	GAS, VENT						
Ⓜ	APCC	POINT OF COMPOUND CURVATURE	Ⓜ	DST"X"CB.P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	Ⓜ	ICTU	CONDUIT TURNING UP	Ⓜ	MFP.P	FEE ACQUISITION, BACK LINE	Ⓜ	SRSI	SHLD, INTERSTATE	Ⓜ	ULP	LIGHTING, POLE						
Ⓜ	API	POINT OF INTERSECTION	ENVIRONMENTAL			Ⓜ	ICVTRT	COMM. VEH. ROAD TRANSCEIVER	Ⓜ	MFSP.P	FEE ACQUISITION, SHAPE	Ⓜ	SRSN2	SHLD, NATIONAL, 2 DIG.	Ⓜ	ULPM	LIGHTING, POLE, MEDIAN						
Ⓜ	APOB	POINT OF BEGINNING				+	IDEFAULT	DEFAULT	Ⓜ	MHBAP	HIGHWAY BNDRY., APPROX.	Ⓜ	MHBCP	HISTORICAL, BLDG. CORNERS	Ⓜ	SRSN3	SHLD, NATIONAL, 3 DIG.	Ⓜ	ULPP	LIGHTING, POLE, PED.			
Ⓜ	APOC	POINT OF CURVATURE				Ⓜ	IEZR	E-ZPASS READER	Ⓜ	MHBP	HIGHWAY BNDRY, PT.	Ⓜ	MHBCP	HISTORICAL, BLDG. CORNERS	Ⓜ	SRSS2	SHLD, STATE, 2 DIG.	Ⓜ	UMFC	MISC. FILLER CAP			
Ⓜ	APOE	POINT OF END				Ⓜ	IEZTR	TRANSMITTAL READER	Ⓜ	MJCP	PT., JURIS. CITY	Ⓜ	MHBP	HIGHWAY BNDRY, PT.	Ⓜ	SRSS3	SHLD, STATE, 3 DIG.	Ⓜ	UOLM	OIL, LINE MARKER			
Ⓜ	APOL	POINT ON LINE				Ⓜ	IFOXCAB	FIBER OPTIC X-CONNECT CABINET	Ⓜ	MPBC	PT., BUILDING CORNER	Ⓜ	MJCP	PT., JURIS. CITY	Ⓜ	SRSS4	SHLD, STATE, 4 DIG.	Ⓜ	UP	POLE, WITH UTILITY			
Ⓜ	APOL	POINT ON LINE				Ⓜ	IFUSSPL	FUSION SPLICE	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	TRAFFIC CONTROL			Ⓜ	UPD	POLE, DEAD (NO UTILITY)			
Ⓜ	APOS	POINT ON SPIRAL				Ⓜ	IHARADV	HAR ADVISORY SIGN	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TCBJ	BOX, JUNCTION	Ⓜ	UPL	POLE, WITH LIGHT
Ⓜ	APOT	POINT ON TANGENT				Ⓜ	IHARST	HAR SITE	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TCBP	BOX, PULL BOX	Ⓜ	USMH	SANITARY SEWER MANHOLE
Ⓜ	APOVC	POINT ON VERTICAL CURVE				Ⓜ	ILC	LOAD CENTER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TCBS	BOX, SPLICE	Ⓜ	UTB	TELEPHONE, BOOTH
Ⓜ	APOVT	POINT ON VERTICAL TANGENT				Ⓜ	IMECSPL	MECHANICAL SPLICE	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TCMC	MICROCOMPUTER CABINET	Ⓜ	UTLM	TELEPHONE, LINE MARKER
Ⓜ	APORC	POINT ON REVERSE CURVE				Ⓜ	IMSCS	PORT. SPEED & COUNT SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TCPP	PED POLE	Ⓜ	UTMH	TELEPHONE, MANHOLE
Ⓜ	APT	POINT OF TANGENCY				Ⓜ	IMSCS	PORT. SPEED & COUNT SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TCSH	SIGNAL HEADS	Ⓜ	UTVLM	CABLE TV, LINE MARKER
Ⓜ	APVC	POINT OF VERTICAL CURVATURE				Ⓜ	IMSCS	PORT. SPEED & COUNT SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TCSP	SIGNAL POLE	Ⓜ	UTVPB	CABLE TV, PULL BOX
Ⓜ	APVCC	POINT OF VERT. CMPND CURVE				Ⓜ	IMT	MICROWAVE TRANSCEIVER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TCSP	SIGNAL POLE	Ⓜ	UUB	UNKNOWN, BOX
Ⓜ	APVI	POINT OF VERT. INTERSECTION	Ⓜ	IOVHMS	PERM. OVERHEAD VMS	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	TRAFFIC WORK ZONE						Ⓜ	UUB	UNKNOWN, BOX			
Ⓜ	APVRC	POINT OF VERT. REVERSE CURVE	Ⓜ	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER							Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX
Ⓜ	APVRC	POINT OF VERT. REVERSE CURVE	Ⓜ	IPEDS	PEDESTRIAN SIGNAL HEAD	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX			
Ⓜ	APVT	POINT OF VERTICAL TANGENCY	Ⓜ	IPSS	PAVEMENT SURFACE SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX			
Ⓜ	APVT	POINT OF VERTICAL TANGENCY	Ⓜ	IPSS	PAVEMENT SURFACE SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX			
Ⓜ	ASC	SPIRAL TO CURVE	Ⓜ	IPVMS	PERM. VMS	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX			
Ⓜ	ASPI	SPIRAL POINT OF INTERSECTION	Ⓜ	IRM	RAMP METER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX			
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX			
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX			
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX			
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER				Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX			
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	MPCB	PT., BUILDING CORNER	Ⓜ	TWZAP.P	ARROW PANEL	Ⓜ	UUB	UNKNOWN, BOX						
Ⓜ	ASTS	SPIRAL TO SPIRAL	Ⓜ	IRWIS	RDWY WEATHER INFO. SENSOR	Ⓜ	MPCB	PT., BUILDING CORNER															

New York State Thruway Authority Standard Sheets

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

X	SHEET NO.	SUBJECT
x	TA 201-01	Clearing and Grubbing (Dwg. CG)
x	TA 203-01	Shoulder Backup 1R Projects (Dwg. SB)
x	TA 203-02	Slope Flattening Details
x	TA 402-01	Highway Pavement Repair Details (Dwg. PRD)
	TA 402-02	Bridge Deck Wearing Course Resurfacing (Dwg. BDR)
	TA 402-03	Overhead Bridge Underclearance Improvement (Dwg. BU)
	TA 603-01	Culvert Extension Details
x	TA 605-01	Underdrain Details
	TA 606-01	Modified Thrie Beam (Mod.) Guiderail (Dwg. GR-1)
	TA 606-02	Vacant
	TA 606-03	Corrugated Median Barrier to Corrugated Beam Guide Railing Transition Detail D (Dwg. GR-4)
	TA 606-04	Box Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-5)
	TA 606-05	HPBO (Mod.) Corrugated Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-6)
	TA 606-06	Typical U-Turn Median Rail Layout and Roadway Transverse Section
	TA 606-07	Modified Thrie Beam Guiderail with Rock Rail
	TA 611-01	Living Snow Fences
	TA 614-01	Tree Removal
x	TA 619-01	Work Zone Traffic Control Tables & Legend
x	TA 619-02	General Work Zone Traffic Control Notes & Channelizing Devices
x	TA 619-03	Shoulder Closure Short-Term or Intermediate-Term Stationary
x	TA 619-04	Shoulder Closure Short-Duration Stationary and Mobile
x	TA 619-05	Signing & Delineation for Shoulder Work Spaces with Temporary Concrete Barrier
x	TA 619-06	Work Beyond Shoulder
x	TA 619-07	Be Prepared to Stop and Uneven Lanes Signing
x	TA 619-08	Single Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-09	Double Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-10	Center Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-11	Lane Shift: 65 MPH Zone
	TA 619-12	Single Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-13	Double Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-14	Center Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-15	Lane Shift: 55 MPH Zone
	TA 619-16	Work Zone Traffic Control at Interchanges, Service Areas and Parking Areas
x	TA 619-17	Work Zone Traffic Control for Miscellaneous Operations
x	TA 619-18	Mobile Lane Closure
x	TA 619-19	Mobile Lane Closure: Narrow Shoulder Area
x	TA 619-20	Short-Duration Lane Closure
	TA 619-21	Short-Duration Double Lane Closure
x	TA 619-22	Work Zone Traffic Control Guide for Pavement Striping Operations
x	TA 619-23	Mobile Lane Closure for Pavement Striping Operations
x	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 1-27)
	TA 619-31	Albany Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
x	TA 619-32	Syracuse Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-33	Buffalo Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 619-34	Vacant
	TA 619-35	Albany Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
x	TA 619-36	Syracuse Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-37	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)
x	TA 685-01	Pavement Marking Details: Asphalt and Concrete Pavement (Sheets 1-2)
x	TA 685-02	Pavement Marking Details: Tapered Acceleration and Deceleration Lanes
	TA 685-03	Vacant
x	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)

Highway Work Type

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

MILEPOST FROM:	237.75							
TO:	238.75							
PROJECT TYPE	X	X	X	X	X	X	X	X
1R Resurfacing								
2R Resurfacing								
3R Rehabilitation								
Reconstruction	X							
Safety Improvements	X							
Drainage								
Rock Slope Remediation								
Pavement Striping	X							
Other: SHOULDER RECONSTRUCTION	X							
PAVEMENT TREATMENT	X	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:	238.22							
PROJECT TYPE	X	X	X	X	X	X	X	X
Bridge Washing								
Scour Protection								
Channel Cleaning								
Railing System								
Protective Screening								
Painting								
Steel Repair								
Wearing Surface Treatment								
Deck Repairs								
Joint Rehabilitation								
Joint Replacement								
Bearing Rehabilitation								
Bearing Replacement								
Hanger Pin Replacement								
Security								
Seismic Retrofit								
Substructure Rehabilitation								
Electrical								
Cathodic Protection System								
Fender or Pier Protection System								
Deck Replacement								
Superstructure Replacement								
Bridge Replacement	X							
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-us>

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>

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING NYSTA STANDARD SHEETS LISTING AND WORK TYPE TABLES	DRAWING NUMBER: SS-1

M.P. 238.22, BIN 5009929

PWZ
 CHECKED BY: D. LEVINE
 DRAFTED BY: L. TESNER
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE

GENERAL NOTES

- DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (9TH EDITION) 2020, AND AS AMENDED BY NEW YORK STATE DEPARTMENT OF TRANSPORTATION LRFD BLUE PAGES, THE NEW YORK STATE THRUWAY AUTHORITY ORANGE PAGES AND THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL, 2021 U.S. CUSTOMARY EDITION.
- CONSTRUCTION AND MATERIAL SPECIFICATION: ALL WORK UNDER THIS CONTRACT AS SHOWN IN THESE PLANS AND/OR SPECIFICATIONS AND THE ACCOMPANYING PROPOSAL IS TO BE IN CONFORMITY WITH "STANDARD SPECIFICATIONS" (U.S. CUSTOMARY UNITS), NEW YORK STATE DEPARTMENT OF TRANSPORTATION OFFICE OF ENGINEERING, CURRENT VERSION, WITH ALL CURRENT ADDENDA, & ALL REVISIONS ISSUED BY NYS DOT ENGINEERING BULLETINS, DIRECTIVES OR INSTRUCTIONS BEFORE THE FIRST PUBLISH DATE OF THE ADVERTISEMENT FOR THE CONTRACT, EXCEPT AS AMENDED ON THE PLANS AND/OR IN THE SPECIFICATIONS IN THE PROJECT PROPOSAL.
- DESIGN LIVE LOAD: AASHTO HL-93

LOAD RATINGS:

LFR: INVENTORY: HS-26 OPERATING: HS-43
LRR: INVENTORY: 1.40 OPERATING: 1.82

HS AND HL-93 LOAD RATINGS WERE COMPUTED IN ACCORDANCE WITH THE AASHTO MANUAL FOR BRIDGE EVALUATION 3RD EDITION WITH 2019 AND 2020 INTERIM REVISIONS. ALL RATINGS PROVIDE FOR A 25 PSF FUTURE WEARING SURFACE.
- CONCRETE:
THE MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 4,000 PSI AT 28 DAYS.
- REINFORCEMENT:
ALL BAR REINFORCEMENT SHALL BE ASTM A615 GRADE 60 AND BE SUPPLIED GALVANIZED IN ACCORDANCE WITH ASTM A767, AND MEET THE REQUIREMENTS OF NYS DOT MATERIAL SPECIFICATION 709-11. ALL WIRE FABRIC REINFORCEMENT SHALL BE ASTM A1064. NO SUBSTITUTIONS WILL BE ALLOWED. WIRE FABRIC SHALL BE GALVANIZED AND FABRICATED IN ACCORDANCE WITH ASTM A767 AND ASTM A1234 AND MEET THE REQUIREMENTS OF NYS DOT MATERIAL SPECIFICATION 709-02. THE REQUIREMENTS OF ASTM A767 SECTION 4.3 CHROMATING WILL NOT BE WAIVED FOR BAR REINFORCEMENT AND/OR WIRE FABRIC REINFORCEMENT. REINFORCEMENT FOR REINFORCED CONCRETE PIPE AND RELATED DRAINAGE STRUCTURES SHALL MEET THE REQUIREMENTS OF NYS DOT MATERIAL SPECIFICATION "SECTION 706 - CONCRETE, CLAY, AND PLASTIC PIPE".
- THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING TO FAMILIARIZE THEMSELVES WITH THE PRESENT CONDITIONS AND TO JUDGE FOR THEMSELVES THE EXTENT AND NATURE OF THE WORK TO BE PERFORMED UNDER THIS CONTRACT. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF THEIR FAILURE TO INCLUDE IN THE BID, ALL ITEMS AND MATERIALS WHICH THEY ARE REQUIRED TO FURNISH IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD, ALL EXISTING CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS TO MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS AS APPROVED BY THE ENGINEER.

- THE CONTRACTOR SHOULD NOTE THAT ADDITIONAL WORK MAY BE REQUIRED AS THE CONTRACT PROGRESSES WHICH IS NOT SHOWN OR NOTED ON THE PLANS. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR AS ORDERED BY THE ENGINEER AND PAYMENT SHALL BE MADE AT THE UNIT BID PRICE FOR THE APPROPRIATE ITEMS.
- THE CONTRACTOR SHALL EXERCISE CAUTION AND PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR BE RE-USED, OR WHICH ARE TO REMAIN THE PROPERTY OF THE THRUWAY 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 THRUWAY AUTHORITY, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR, WITH NO ADDITIONAL COST TO THE THRUWAY AUTHORITY.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGES CAUSED BY THEIR OPERATIONS TO THE EXISTING ROADWAYS WHICH ARE NOT INCLUDED AS PART OF THE INTENDED WORK. ALL DAMAGE TO EXISTING ROADWAYS WHICH ARE NOT PART OF THE INTENDED WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER, WITHOUT COST TO THE THRUWAY AUTHORITY.
- ALL WORK SHALL BE LIMITED TO WITHIN THE RIGHTS OF WAY, EASEMENTS, OR LIMITS OF RELEASE.
- WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THOSE ITEMS.
- THIS BRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT EDITION OF THE AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES.
- HAZARDOUS MATERIALS CONTAINING LEAD ARE BELIEVED TO EXIST AT VARIOUS LOCATIONS ON OR IN CERTAIN STRUCTURES CONTAINED IN THE CONTRACT. THESE MATERIALS WERE NOTED ON THE ORIGINAL CONTRACT PLANS OF THE STRUCTURES AND/OR DURING FIELD INSPECTIONS AND ARE PRESENTED IN THE TABLE BELOW. SEE HAZARDOUS WASTE/CONTAMINATED MATERIALS SCREENING (FINAL) PREPARED BY EDR DATED FEBRUARY 2017 FOR ADDITIONAL INFORMATION.
- UNIT BID PRICES SHALL INCLUDE ANY ADDITIONAL COSTS INCURRED TO MEET U.S. ARMY CORP. OF ENGINEERS, NYSDEC, NYS DOT, US EPA, AND OSHA REGULATIONS.
- THE EXISTING B.I.N. PLATE SHALL BE REMOVED AND RETURNED TO THE AUTHORITY. A NEW B.I.N. PLATE SHALL BE FABRICATED BY THE CONTRACTOR AND MOUNTED UNDER ITEM 645.61.
- RECORD PLANS FOR THE EXISTING BRIDGE WILL BE AVAILABLE ON THE THRUWAY AUTHORITY WEBSITE DURING BIDDING PHASE.
- NO DIRECT PAYMENT SHALL BE MADE FOR WORK INDICATED ON THE DRAWINGS OR WITHIN THE SPECIFICATIONS FOR WHICH NO ITEM NUMBER IS INDICATED. THE COST FOR SUCH WORK SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.

- THE CONTRACTOR IS ADVISED THAT ADDITIONAL "NOTES" WILL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTRACT PLANS AND SUCH "NOTES", WHILE PERTAINING TO THE SPECIFIC DRAWINGS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
- THE CONTRACTOR IS REQUIRED TO PROTECT THEIR WORKERS IN ACCORDANCE WITH SECTION 107-05 OF THE NYS DOT STANDARD SPECIFICATIONS AND SHALL SUBMIT A HEALTH AND SAFETY PLAN TO THE ENGINEER PRIOR TO COMMENCING WORK.
- SUBSURFACE EXPLORATIONS HAVE BEEN MADE FOR THIS PROJECT AT THE LOCATIONS INDICATED ON THE PROPOSED BRIDGE PLAN AND ELEVATION DRAWING. SEE CONTRACT PROPOSAL FOR BORING LOGS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT NO EMBANKMENT AREA OF SURPLUS MATERIAL IS AVAILABLE FOR THIS CONTRACT WITHIN THE AUTHORITY'S RIGHT-OF-WAY. THEREFORE, ALL MATERIAL TO BE REMOVED FROM THE JOB SITE SHALL BE DISPOSED 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 COSTS ASSOCIATED WITH THE SPOIL AREA AND REMOVAL OF SPOIL MATERIAL SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THIS CONTRACT. USE OF PRIVATE PROPERTY FOR SURPLUS MATERIAL STORAGE SHALL ONLY BE USED WITH A PROPERTY RELEASE FROM THE OWNER.
- THE CONTRACTOR SHALL HAVE AN ENGINEER LICENSED IN THE STATE OF NEW YORK PREPARE AND STAMP PLANS AND CALCULATIONS AS INDICATED IN THE NYS DOT STANDARD SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING WORK:
a. DEMOLITION AND REMOVAL OF STRUCTURES
b. SUPERSTRUCTURE ERECTION
c. LATERAL STABILITY AND LATERAL, VERTICAL & TORSIONAL STRENGTH OF GIRDERS
d. TEMPORARY SUPPORTS AT ANY CANTILEVERED SLABS.

ALL CALCULATIONS FOR THE ABOVE WORK SHALL BE INDEPENDENTLY CHECKED.
- ALL METAL REINFORCING BAR CHAIRS AND SUPPORTS SHALL HAVE PLASTIC SHOES.

BRIDGE REMOVAL, EXCAVATION & BACKFILL NOTES:

- BOTH EXISTING ABUTMENTS AND PIER COLUMNS SHALL BE REMOVED TO THE LIMITS INDICATED ON THE PLANS UNDER ITEM 202.19. PORTIONS OF SUBSTRUCTURES INDICATED TO REMAIN SHALL NOT BE REMOVED.
- THE EXISTING SUPERSTRUCTURE SHALL BE REMOVED UNDER ITEM 202.120001.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SUBSECTION 202-3.01 GENERAL SAFETY REQUIREMENTS. A SUPERSTRUCTURE REMOVAL PLAN SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO BEGINNING THE DEMOLITION.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS OR OTHER MATERIAL ONTO NY69 BELOW THE BRIDGE EXCEPT WHERE THE PLANS OR SPECIFICATIONS SPECIFICALLY PERMIT THE DROPPING OF MATERIALS. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED. IF MATERIAL FALLS ON THE AREA BELOW AND ADJACENT TO THE BRIDGE, IT SHALL BE REMOVED AND DISPOSED

- OF BY THE CONTRACTOR ON A DAILY BASIS AT NO COST TO THE THRUWAY AUTHORITY.
- THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE APPROPRIATE ITEMS OF THE CONTRACT.
 - LIMITS AND METHODS FOR REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL BE AS DESCRIBED IN SUBSECTIONS 202-3.01 AND 574 OF THE STANDARD SPECIFICATIONS. THE COST OF ANY PAINT REMOVAL OR PAINT STRIPPING REQUIRED SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR THE SUPERSTRUCTURE REMOVAL ITEM. PAINT WASTE SHALL BE COLLECTED FOLLOWING THE REQUIREMENTS OF THE ENVIRONMENTAL GROUND PROTECTION ITEM. PAINT WASTE SHALL BE DISPOSED OF FOLLOWING THE REQUIREMENTS OF NYS DOT STANDARD SPECIFICATIONS SECTION 571 DISPOSAL OF PAINT REMOVAL WASTE.
 - IN ADDITION TO THE EXCAVATION PROTECTION SYSTEMS SHOWN IN THE PLANS, (I.E. LAYBACKS), THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL TEMPORARY SUPPORTS, BRACING, AND OTHER DEVICES REQUIRED OR DIRECTED BY THE ENGINEER TO PROTECT THE SAFETY OF WORKERS, ADJACENT STRUCTURES, ROADWAYS AND UTILITIES, ALL COSTS FOR THIS WORK SHALL BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
 - ALL PLACEMENTS OF SELECT STRUCTURAL FILL, ITEM 203.21 SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY. THE CONTRACTOR SHALL ADD WATER AS REQUIRED TO OBTAIN THE SPECIFIED COMPACTION & DENSITY. THE CONTRACTOR SHALL PROVIDE A STANDARD PROCTOR GRAPH FOR THE SELECT MATERIAL USED.
 - THE COST OF WATER USED FOR COMPACTION OF VARIOUS ITEMS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE ITEM. NO SEPARATE PAYMENT SHALL BE MADE.
 - A SURVEY MARKER DISC IS LOCATED ON THE EXISTING EAST PIER. A REPLACEMENT DISC MARKER SHALL BE PLACED ON THE TOP OF WINGWALL BAR. EXACT LOCATION OF THE DISC SHALL BE COORDINATED WITH NYS DOT. THE SURVEY DISC CAN BE PICKED UP AT 207 GENESEE ST, 12TH FLOOR, UTICA, NY 13501 COURTESY OF STEPHEN ARTHUR, L.S. COST TO BE INCLUDED UNDER ITEM 625.06 PERMANENT SURVEY MARKERS.
 - IN THE EVENT THAT WORK IMPACTS EXISTING ROADWAY NY69 EITHER DURING EXCAVATION OR OTHER OPERATIONS, THE ROADWAY SHALL BE RESTORED TO ITS ORIGINAL CONDITION.

SUBSTRUCTURE NOTES:

- THE COST OF ALL JOINT MATERIALS AND WATERSTOPS IS TO BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- ALL EXPOSED EDGES OF ABUTMENTS AND WINGWALLS SHALL HAVE A MINIMUM CHAMFER OF 1", EXCEPT WHERE OTHERWISE NOTED ON THE PLANS.
- REINFORCEMENT BAR SCHEDULES ARE FOR INFORMATION ONLY. ALL BAR SCHEDULES MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.

SUPERSTRUCTURE NOTES:

- ALL STEEL FABRICATION IS GOVERNED BY, AND SHALL MEET THE REQUIREMENTS OF, THE NEW YORK STATE STEEL CONSTRUCTION MANUAL, 4TH EDITION (JANUARY 2018), EXCEPT AS DIRECTED WITHIN THESE PLANS OR AS ORDERED BY THE ENGINEER.
- STRUCTURAL STEEL:

ALL STRUCTURAL STEEL SHALL BE ASTM A709 GR. 50 UNLESS OTHERWISE NOTED.
- ALL BOLTS SHALL BE ASTM F3125 GRADE A325, TYPE 1 H.S. BOLTS WITH ASTM A563 DH HEAVY HEX NUTS & F436 TYPE 1 HARDENED WASHERS. ALL NUTS, BOLTS, & WASHERS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL. ALL NEW H.S. BOLTS SHALL BE 7/8" DIA. EXCEPT AS NOTED.
- WELDING:
ALL WELDING SHALL CONFORM TO THE LATEST VERSION OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL UNLESS OTHERWISE NOTED.
- FOR THE VARIOUS LUMP SUM STRUCTURAL STEEL ITEMS IN THE CONTRACT, THE "TOTAL WEIGHT FOR PROGRESS PAYMENT" IS AS FOLLOWS:

ITEM	TOTAL WEIGHT FOR PROGRESS PAYMENT
564.510001	320,000' LB

- WEIGHT OF WESTBOUND BRIDGE
- THESE WEIGHTS SHALL BE USED IN DETERMINING PARTIAL PROGRESS PAYMENTS. UNDER NO CIRCUMSTANCES SHALL THE "TOTAL WEIGHT FOR PROGRESS PAYMENTS" BE USED FOR FINAL PAYMENT PURPOSES. THE CONTRACTOR IS ADVISED NOT TO USE THE TOTAL WEIGHT FOR PROGRESS PAYMENT AS A BIDDING TOOL. DISCREPANCIES BETWEEN THE TOTAL WEIGHT SHIPPED AND TOTAL WEIGHT FOR PROGRESS PAYMENT SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION.
- SHOP DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL AND SHALL BE SUBMITTED IN ACCORDANCE WITH THE NYSTA PROCEDURES. SHOP DRAWINGS SHALL BE SUBMITTED IN ENGLISH UNITS OF MEASURE (U.S. CUSTOMARY UNITS). THE WEIGHTS OF ALL COMPONENTS SHALL BE INDICATED ON THE BILL OF MATERIAL WITHIN THE SHOP DRAWINGS.
 - THE CONTRACTOR SHALL PROVIDE FOR THE STABILITY OF STRUCTURAL STEEL DURING ALL PHASES OF ERECTION AND CONSTRUCTION, AS PROVIDED IN SUBSECTION 204 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM). THE METHODS USED BY THE CONTRACTOR SHALL BE DOCUMENTED ON THE ERECTION DRAWINGS WITH ALL SUPPORTING STABILITY CALCULATIONS SUBMITTED AND STAMPED BY A LICENSED AND REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER AND SUBMITTED TO THE ENGINEER IN ACCORDANCE WITH THE SCM.

SAMPLE IDENTIFICATION	MATERIAL	LOCATION	APPROX QUANTITY
LPB-2	GREEN PAINT	STEEL BRIDGE RAILINGS	490 SF


* SEE GENERAL NOTE 14

M.P. 238.22, BIN 5009929

ALTERED ON: _____ AFFIXED ON: 04/18/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE
STAMP: _____



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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING GENERAL NOTES (SHEET 1 OF 2)	DRAWING NUMBER: GNN-1

DESIGNED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE
DRAFTED BY: LITNESNER
CHECKED BY: D. LEVINE
PW/

GENERAL NOTES (CONT'D)

SUPERSTRUCTURE NOTES:

8. THE DESIGN OF THE STRUCTURE ASSUMES THAT THE STRUCTURAL STEEL IS COMPLETELY ERECTED BEFORE IT IS ALLOWED TO DEFLECT UNDER ITS OWN (STEEL) DEAD LOAD. DEFLECTIONS INCURRED DURING THE VARIOUS STAGES OF THE ERECTION METHOD ARE NOT CONSIDERED. THEREFORE, THE ACTUAL ERECTION METHODS AND SEQUENCES EMPLOYED BY THE CONTRACTOR MAY HAVE SUBSTANTIAL EFFECT ON THE FINAL STEEL PROFILE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY COMPENSATORY ACTION TO ENSURE THAT THE FINAL ALIGNMENT AND PROFILE OF THE ERECTED STEEL CONFORMS TO THE NEW YORK STATE STEEL CONSTRUCTION MANUAL. ANY CORRECTIVE WORK NECESSARY TO RE-POSITION PREVIOUSLY ERECTED STEEL TO ACHIEVE THE ACCEPTABLE ALIGNMENT AND PROFILE MUST BE APPROVED BY THE ENGINEER, AND SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE AUTHORITY. THE COST OF ERECTION SHALL BE INCLUDED IN THE PRICE BID FOR THE STRUCTURAL STEEL ITEM.

9. DIAPHRAGMS SHALL BE FABRICATED TO FIT GIRDERS ERECTED WITH THEIR WEBS PLUMB UNDER FULL DEAD LOAD CONDITIONS, ALSO KNOWN AS TOTAL DEAD LOAD FIT (TDLF).

10. GIRDER FINISH NOTE (METALIZING, ETC)

THE STRUCTURAL STEEL FOR THE BRIDGE SHALL BE METALIZED TO THE LIMITS NOTED AND DEPICTED ON THE GIRDER ELEVATION DRAWING. SURFACE PREPARATION AND APPLICATION SHALL BE PERFORMED IN ACCORDANCE WITH, AND PAID FOR UNDER, ITEM 572.00020125 - METALIZING, TYPE 1. THE CONTRACTORS ATTENTION IS DIRECTED TO MATERIALS SECTION (D) OF THE METALIZING SPECIFICATIONS WHICH PROVIDES CONTRACTOR SUBMITTAL OF THE METALIZING SPECIFICATION REQUIREMENTS, WHICH MUST BE SUBMITTED AND APPROVED PRIOR TO THE COMMENCEMENT OF ANY SHOP METALIZING. ADDITIONALLY, THE AREAS THAT ARE NOT TO BE METALIZED AND SEALED SHALL BE IDENTIFIED CLEARLY ON THE SHOP DRAWINGS (I.E. CONNECTION FAYING SURFACE, PORTIONS OF THE GIRDER TOP FLANGE).

METALIZING NOTES:

- a. ALL GIRDERS, INCLUDING BEARING STIFFENERS AND CONNECTION PLATES, SHALL BE METALIZED FOR THEIR ENTIRE LENGTH AND THE METALIZING SHALL BE PAID FOR UNDER ITEM 572.00020125 - METALIZING, TYPE 1.
- b. THERE SHALL BE NO WELDING TO METALIZED SURFACES.
- c. SHEAR STUD CONNECTORS SHALL BE WELDED PRIOR TO METALIZING. THE CONTRACTOR'S WORKER SAFETY PLAN SHALL SPECIFY THE TYPE OF WALKING/WORKING SURFACE TO BE USED SO THAT WORKERS DO NOT WALK ON ANY SURFACE WITH INSTALLED SHEAR STUD CONNECTORS.
- d. DRILLED HOLES SHALL BE CLEANED OF EXCESS GALVANIZED COATING THAT PREVENTS PROPER BOLT INSTALLATION.

11. OTHER STEEL ELEMENT PROTECTIVE FINISH NOTE

GALVANIZING NOTES:

- a. ALL BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
- b. ALL EXPOSED STEEL SURFACES ON DIAPHRAGMS, UTILITY SUPPORTS, AND SHIMS SHALL BE GALVANIZED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
- c. REASONABLE ACCOMODATIONS FOR THE PREVENTION OF WET STORAGE STAINING (WHITE RUST) OF HOT-DIPPED GALVANIZED (HDG) MATERIALS SHALL BE PROVIDED AT ALL TIMES. STORAGE OF HDG MATERIALS OUTDOORS SHOULD BE AVOIDED IF POSSIBLE. IF OUTDOOR STORAGE IS UNAVOIDABLE, EXAMPLES OF REASONABLE ACCOMMODATIONS ARE FOLLOWS: STORAGE MATERIALS OFF OF THE GROUND AWAY FROM ALL VEGETATION, NON-RESINOUS WOODEN SPACES TO ALLOW VENTILATION AND AVOID MOISTURE BUILD UP, INCLINE MEMEBERS TO ALLOW DRAINAGE, EXAMPLES OF NON-RESINOUS WOODS ARE, POPLAR ASH, AND SPRUCE. WHITE RUST THAT IS DETERMINED TO DETRIMENTAL TO THE INTENDED USE OF THE MEMBER HAS A NEGATIVE VISUAL IMPACT ON THE STRUCTURE SHALL BE REPAIRED IN ACCORDANCE WITH THE NYS STEEL CONSTRUCTION MANUAL. WHITE RUST THAT IS DETERMINED TO BE CAUSED BY IMPROPER STORAGE OR SHIPING OF HDG MATERIALS SHALL BE REPAIRED AT NO COST TO THE THRUWAY AUTHORITY.

- 12. FIELD CLEANING OF METALIZED STRUCTURAL STEEL: THE OUTSIDE SURFACE OF THE FASCIA GIRDERS SHALL BE POWER WASHED SO THAT ALL TRACES OF DIRT, GREASE, CONCRETE SPLATTER OR OTHER FOREIGN MATERIAL IS REMOVED AT THE COMPLETION OF THE BRIDGE CONSTRUCTION. THE PURPOSE OF THIS CLEANING IS TO RETURN THE FASCIA SURFACES TO THE CONDITION IN WHICH THEY LEFT THE FABRICATION SHOP. THE COST FOR THIS WORK SHALL BE INCLUDED UNDER THE VARIOUS ITMES OF THE CONTRACT.
- 13. THE COST FOR ALL BOLTS, NUTS, WASHERS, WELDS AND DIAPHRAGM CONNECTION SHIM PLATES SHALL BE INCLUDED IN THE PRICE BID FOR THE STRUCTURAL STEEL ITEM. NO SPECIAL OR DIRECT PAYMENT WILL BE MADE FOR THESE MATERIALS.

SUPERSTRUCTURE SLAB NOTES:

- 1. DECK FORMS SHALL BE STAY-IN-PLACE (SIP) FORMS BETWEEN ALL GIRDERS AND SHALL BE REMOVABLE FORMS FOR BOTH FASCIA OVERHANGS. SIP FORMS AND SUPPORTS SHALL CONFORM TO ASTM A653, COATING DESIGNATION G235. FABRICATION SHALL BE IN CONFORMANCE WITH ASTM A924.
- 2. IN ORDER TO PREVENT MOVEMENT OF THE BRIDGE OVERHANG BRACKET DURING DECK CONCRETE PLACEMENT, AS WELL AS TO PREVENT LATERAL DISTORTION OF THE GIRDER WEB, AN OVERHANG BRACKET THAT IS BRACED BY THE BOTTOM FLANGE SHALL BE USED.
- 3. THE SURFACES OF GIRDERS SHALL BE PROTECTED FROM DECK OVERHANG FORM SUPPORTS TO PREVENT DAMAGE TO THE METALIZED SURFACES.
- 4. ALL LONGITUDINAL AND TRANSVERSE TOP MAT DECK REINFORCING SHALL BE STAGGERED 1/2 THE SPACING ABOVE THE BOTTOM MAT DECK REINFORCING STEEL UNLESS OTHERWISE INDICATED IN THE PLANS.
- 5. THE DETAILS FOR THE BARRIER REINFORCEMENT ARE FOR THE SLIP -FORMED OR CAST-IN-PLACE OPTION ONLY. COST OF BARRIER AND ANCHORAGE REINFORCEMENT ORIGINATING IN THE SLAB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER, ITEM 569.04.
- 6. PROTECTIVE SEALER, ITEM 559.01, SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES OF THE STRUCTURAL DECK SLAB, BARRIERS, APPROACH SLABS, AND EXPOSED TOP SURFACES OF SLEEPER SLABS. ONLY PENETRATING TYPE SEALER AS INDICATED IN THE SPECIFICATION SHALL BE USED.

WORK ZONE TRAFFIC CONTROL NOTES:

- 1. PROTECTION OF THE PUBLIC: CONTRACTOR SHALL MAINTAIN AND PROTECT THRUWAY TRAFFIC IN ACCORDANCE WITH SECTION 619, THE NYSIA ADDENDUM TO THE STANDARD SPECIFICATIONS, THE TRAFFIC CONTROL PLANS, THE MUTCD, AND THE NEW YORK STATE SUPPLEMENT TO THE MUTCD. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SECTION 107, LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC, OF THE CURRENT STANDARD SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL NOTIFY AND COORDINATE WORK ZONE TRAFFIC CONTROL ALONG ORISKANY BLVD NY 69 A MINIMUM OF 14 DAYS IN ADVANCE OF ANY LANE CLOSURES WITH:

NEW YORK STATE POLICE TROOP D
ERIC KNAPP
ERIC.KNAPP@TROOPERS.NY.GOV
(315) 366-6096

ONEIDA COUNTY EMERGENCY SERVICES
DAN APPLER
DAPPLER@OCGOV.NET
(315) 765-2530

2. FOR ADDITIONAL WORK ZONE TRAFFIC CONTROL NOTES, SEE DWG. TCN-1.

EROSION & SEDIMENT CONTROL NOTES:

- 1. EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 209 OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND STANDARD SHEETS. ADDITIONAL GUIDANCE AND SIZING CRITERIA CAN BE FOUND IN THE MOST CURRENT EDITION OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (THE BLUE BOOK) PUBLISHED BY THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION. ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS PER SECTION 107-12 OF THE STANDARD SPECIFICATIONS.
- 2. THE CONTRACTOR WILL BE REQUIRED TO PERFORM ALL CONSTRUCTION OPERATIONS IN A MANNER SO AS TO MINIMIZE SOIL EROSION AND ENSURE SEDIMENT CONTROL.

- 3. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT DIRECT OR INDIRECT CONTAMINATION OF ALL WATER BODIES (INCLUDING WETLANDS) BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE LEACHATE, OR ANY OTHER POLLUTANT ASSOCIATED CONSTRUCTION. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY GROUND SURFACES OR WATER BODIES (INCLUDING WETLANDS), NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS, OR OTHER DEVICES BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY GROUND SURFACES OR WATER BODIES (INCLUDING WETLANDS). CONTRACTOR SHALL PROVIDE A CONCRETE WASHOUT PIT IN ACCORDANCE WITH STANDARD SPECIFICATIONS SHOWN WITHIN NYSDEC'S 2016 BLUE BOOK (SECTION 2 RESOURCE PLANNING). COST SHALL BE INCLUDED IN THE VARIOUS 209 ITEMS.
- 4. ANY DEBRIS OR EXCESS MATERIAL FROM CONSTRUCTION OF THIS PROJECT SHALL BE IMMEDIATELY AND COMPLETELY REMOVED FROM THE BED AND BANKS OF ALL WATER BODIES (INCLUDING WETLANDS) AND SHALL BE DISPOSED OF AWAY FROM WETLANDS, WATER COURSES, OR OTHER BODIES OF WATER.
- 5. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AND BE PROTECTED SO THAT IT CAN NOT DIRECTLY OR INDIRECTLY RE-ENTER ANY WATER BODY OR WETLAND AREA.
- 6. TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AS PER SPECIFICATIONS AND IN ACCORDANCE WITH NYS DOT STANDARD SHEETS, SECTION 209 AND WITHIN THE CONTRACT DOCUMENTS. THE COST OF MAINTAINING AND REMOVING TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INCLUDED IN THE BID PRICE OF THE APPROPRIATE ITEM USED FOR THE INSTALLATION OF THE MEASURE. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR DAILY AFTER EACH STORM EVENT THAT GENERATES RUNOFF. NOTED DEFICIENCIES SHALL BE CORRECTED WITHIN ONE BUSINESS DAY.
- 7. PROVIDE TEMPORARY STABILIZATION (SEED AND MULCH-TEMPORARY, ITEM 209.1003) FOR ALL DISTURBED AREAS AS SOON AS PRACTICABLE AND WITHIN 14-DAYS OF WHEN THE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.

ITEM 698.06 STEEL/IRON PRICE ADJUSTMENT NOTES:

- 1. THE STEEL/IRON PRICE ADJUSTMENT ITEM IS INCLUDED IN THE CONTRACT TO PROTECT THE CONTRACTOR AND AUTHORITY FROM WIDE VARIATIONS IN THE COST OF STEEL DURING THE COURSE OF THIS CONTRACT.

WARNING: UNDERGROUND FIBER OPTIC CONDUIT:

- 1. THE THRUWAY'S FIBER OPTIC "BACKBONE" IS LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT. THE APPROXIMATE LOCATION IS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS ADVISED TO CONTACT UDIG NEW YORK AT 1-800-962-7962 (OR 811) PRIOR TO ANY EXCAVATION. FURTHERMORE, PURSUANT TO N.Y.S. CODE RULE 753, THE CONTRACTOR MUST BE PREPARED TO VERIFY THE LOCATION OF THE FIBER OPTIC LINE THROUGH HAND DUCT TEST HOLES AT ONE OR MORE LOCATIONS WITHIN THE WORK AREA PRIOR TO ANY EXCAVATION. HAND DUG TEST HOLES SHALL BE PAID FOR UNDER ITEM 206.05 - TEST PIT EXCAVATION (EACH) AS REQUIRED.

UTILITY NOTES:

- 1. LOCATION OF EXISTING UTILITIES, PUBLIC AND/OR PRIVATE, AS SHOWN IN THE PLANS OR INDICATED IN THE PROPOSAL ARE APPROXIMATE ONLY. THE EXACT LOCATION OF EACH UTILITY SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES NOT SHOWN ON THE PLANS, WHETHER ABANDONED OR IN SERVICE, MAY EXIST. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT THEIR OPERATIONS AND TAKE NECESSARY PRECAUTIONS TO PREVENT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR IS ADVISED TO CONTACT UDIG NEW YORK AT 1-800-962-7962 (OR 811) PRIOR TO ANY EXCAVATION.
- 2. IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN SAID SERVICE, THEY SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SERVICE AND MAY NOT CEASE THEIR WORK OPERATION UNTIL SERVICE IS RESTORED.
- 3. THE METHOD OF REMOVAL OF EXISTING ROADWAY OR SHOULDER PAVEMENT IN THE IMMEDIATE VICINITY OF UNDERGROUND UTILITIES SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 4. THE EXISTING OVERHEAD ELECTRIC THAT CROSSES THE MAILINE WILL BE RELOCATED BY NATIONAL GRID APPROXIMATELY 200 FEET EAST OF ITS CURRENT LOCATION. THIS WILL ALSO INVOLVE THE RELOCATION AND INSTALLATION OF SEVERAL UTILITY POLES. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH NATIONAL GRID INCLUDING SCHEDULING OF EXISTING SUPERSTRUCTURE REMOVAL OR ANY CONSTRUCTION ACTIVITY THAT REQUIRES THE USE OF A CRANE. THE CONTRACTOR SHALL PROVIDE CLEARING AND GRUBBING WITHIN THE HIGHWAY BOUNDARY, PAID FOR UNDER ITEM 201.06 TO FACILITATE THE UTILITY RELOCATION.

COORDINATION NOTES:

- 1. THE CONTRACTOR MAY BE REQUIRED TO COORDINATE THEIR WORK WITH OTHER CONTRACTORS AND AUTHORITY MAINTENANCE FORCES. THE CONTRACTOR SHALL SCHEDULE THEIR OPERATIONS SO AS TO CAUSE MINIMAL DISRUPTION TO TRAFFIC.

WORK TO BE DONE:

THE FOLLOWING IS A GENERAL DESCRIPTION OF WORK TO BE DONE UNDER THIS CONTRACT. THIS LIST IS INTENDED TO GIVE THE CONTRACTOR A GENERAL DESCRIPTION OF THE WORK INVOLVED 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.

REPLACEMENT OF WESTBOUND STRUCTURE:

- 1. ESTABLISH AND PERFORM WORKZONE TRAFFIC CONTROL TO PERFORM UNDERDECK REPAIRS TO THE EASTBOUND STRUCTURE.
- 2. PERFORM UNDERDECK REPAIRS TO THE EASTBOUND STRUCTURE.
- 3. ESTABLISH AND PERFORM WORKZONE TRAFFIC CONTROL TO SHIFT TRAFFIC TO EASTBOUND STRUCTURE.
- 4. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
- 5. INSTALL INTERIM STEEL SHEETING AS DEPICTED IN THE CONTRACT PLANS.
- 6. REMOVE AND DISPOSE OF EXISTING SUPERSTRUCTURE. EXISTING GIRDERS TO BE REMOVED USING HOLD AND RELEASE (TRAFFIC CONTROL) METHOD ON ORISKANY BLVD. IN COORDINATION WITH LOCAL AUTHORITIES.
- 7. REMOVE AND DISPOSE OF EXISTING SUBSTRUCTURE:
 - a. PORTION OF THE EXISTING BEGIN AND END ABUTMENT.
 - b. PORTION OF THE EXISTING PIERS.
- 8. EXCAVATE FOR PROPOSED SUBSTRUCTURE (BEGIN AND END ABUTMENT).
- 9. DRIVE ABUTMENT AND WINGWALL PILES.
- 10. CONSTRUCT BEGIN AND END ABUTMENT STEM WALLS AND WINGWALLS.
- 11. ERECT STEEL GIRDERS USING HOLD AND RELEASE (TRAFFIC CONTROL) METHOD ON ORISKANY BLVD. IN COORDINATION WITH LOCAL AUTHORITIES.
- 12. CONSTRUCT BRIDGE DECK, BACKWALL, AND TOPSIDE FEATURES.
- 13. CONSTRUCT BEGIN AND END APPROACH SLAB AND SLEEPER SLABS.
- 14. RECONSTRUCT BEGIN AND END APPROACHES.
- 15. TIE-IN PROPOSED WORK WITH EXISTING. CUT AND MILL PORTION OF EXISTING PAVEMENT TO COMPLETE TIE-IN.

REPLACEMENT OF EASTBOUND STRUCTURE:

- 16. ESTABLISH AND PERFORM WORKZONE TRAFFIC CONTROL TO SHIFT TRAFFIC TO WESTBOUND STRUCTURE.
- 17. REPEAT STEPS 4 THROUGH 15 FOR THE EASTBOUND STRUCTURE.
- 18. INSTALL NEW MEDIAN BARRIER.
- 19. USING SHORT-DURATION LANE CLOSURES, INSTALL NEW PAVEMENT MARKINGS AND SIGNS AS SHOWN ON THE CONTRACT PLANS. REMOVE WORKZONE TRAFFIC CONTROL AND SPLIT TRAFFIC TO FINAL EASTBOUND AND WESTBOUND LAYOUT.
- 20. REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER TURF ESTABLISHMENT.

M.P. 238.22, BIN 5009929

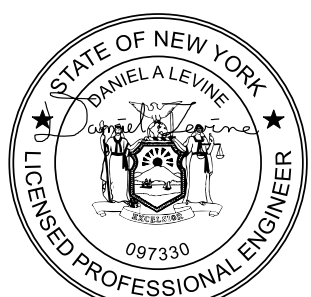
CHECKED BY: D. LEVINE

DRAFTED BY: LITESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.





TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING GENERAL NOTES (SHEET 2 OF 2)	DRAWING NUMBER: GNN-2

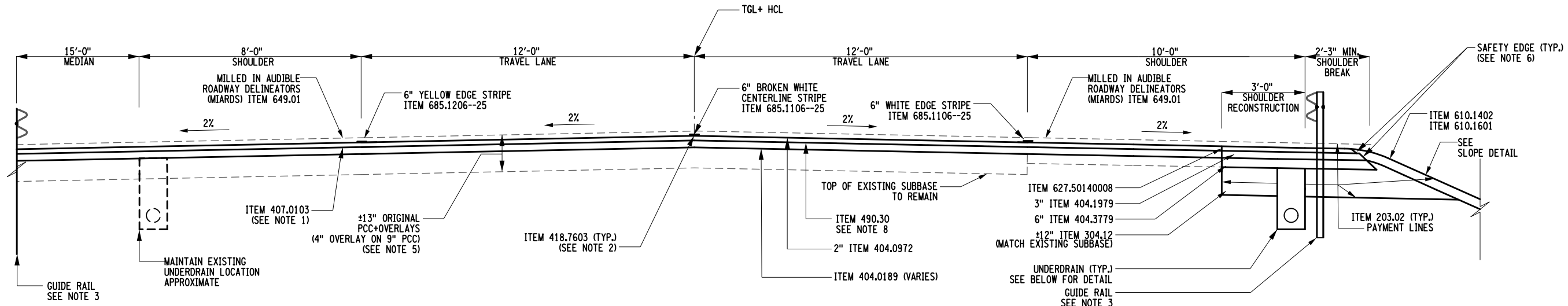
CHECKED BY: H. RESSEL

DRAFTED BY: M. STONEMETZ

CHECKED BY: H. RESSEL

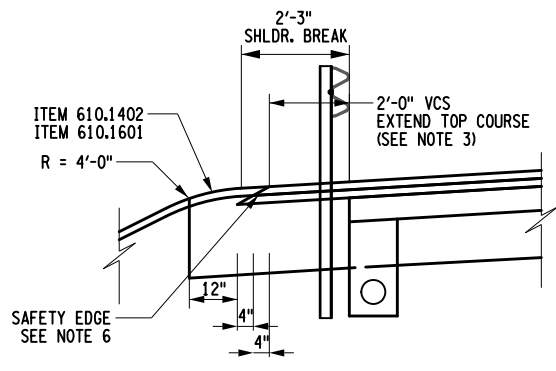
DESIGNED BY: E. BAXTER

DESIGN SUPERVISOR: D. LEVINE



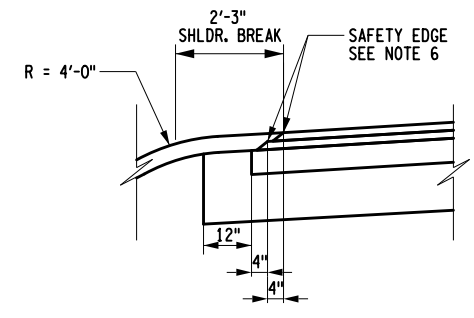
TYPICAL MILLING AND RESURFACING I-90 EB (WB SIMILAR)

STA. EB 12+00.00 TO STA. 13+64.48
 STA. EB 20+44.87 TO STA. 21+50.00
 STA. WB 12+00.00 TO STA. 13+24.40
 STA. WB 20+30.51 TO STA. 21+50.00



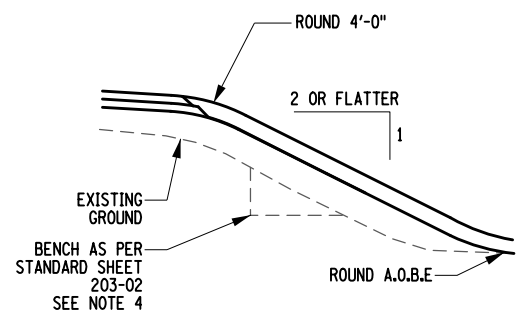
PAVEMENT STEP AND MOW STRIP DETAIL WITH GUIDERAIL

N.T.S.
SEE NOTE 7



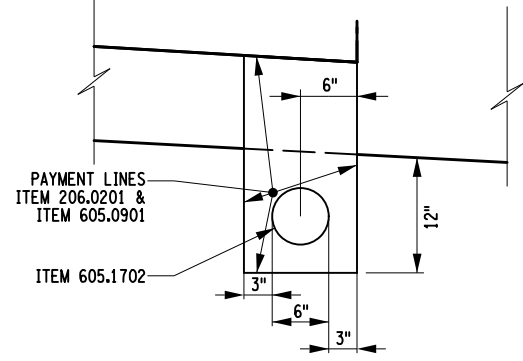
PAVEMENT STEP DETAIL WITHOUT GUIDERAIL

N.T.S.
SEE NOTE 7



SLOPE DETAIL

N.T.S.
SEE NOTE 7



UNDERDRAIN DETAIL

N.T.S.
SEE NOTE 7

NOTES:

1. STRAIGHT TACK COAT SHALL BE APPLIED BETWEEN ALL PAVEMENT COURSES AND ON THE MILLED SURFACE.
2. PAVEMENT JOINT ADHESIVE SHALL BE APPLIED AT ALL PAVEMENT JOINTS IN THE TOP COURSE.
3. REFER TO GUIDE RAIL TABLE ON MSC-1 FOR LOCATIONS OF GUIDE RAIL.
4. CONSTRUCT BENCHES IN ACCORDANCE WITH "EARTH BENCHING DETAILS" IN STANDARD SHEET 203-02, TITLED "EARTHWORK TRANSITION AND BENCHING DETAILS." PAYMENT UNDER ITEMS 203.02 AND 203.03.
5. REMOVE EXISTING OVERLAY. REGRADE SUBGRADE UNDER ITEM 203.02 AND PLACE NEW SUBBASE AS NECESSARY TO MEET PROFILE. PCC SHOULD NOT BE DISTURBED.
6. SAFETY EDGE TAPER IS TO BE 35 DEGREES FROM FINISHED GRADE.
7. REFER TO TYPICAL SECTIONS FOR PAY ITEMS AND DESCRIPTIONS.
8. MILLING WIDTH DOES NOT EXTEND BEYOND SHOULDER RECONSTRUCTION TO A MINIMUM DEPTH OF 2". REFER TO THE "PRO" SERIES OF DRAWINGS FOR PAVEMENT ELEVATIONS.

M.P. 238.22, BIN 5009929

ALTERED ON: _____ AFFIXED ON: **04/23/2024**

SIGNATURE: _____ STAMP: _____

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
203.03	EMBANKMENT IN PLACE	CY	490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
304.12	SUBBASE COURSE, TYPE 2	CY	610.1402	TOPSOIL - ROADSIDE	CY
404.0189	TRUING & LEVELING F9, ASPHALT, 80 SERIES COMPACTION	TON	610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
404.0972	9.5 F2 TOP COURSE ASPHALT, 70 SERIES COMPACTION	TON	627.50140008	CUTTING PAVEMENT	LF
404.1979	19 F9 BINDER COURSE ASPHALT, 70 SERIES COMPACTION	TON	685.1106--25	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES	LF
404.3779	37.5 F9 BASE COURSE ASPHALT, 70 SERIES COMPACTION	TON	685.1206--25	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES	LF
407.0103	STRAIGHT TACK COAT	GAL			

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REVISIONS			
DATE	DESCRIPTION	BY	SYL

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-XXB
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING HIGHWAY TYPICAL SECTIONS	DRAWING NUMBER: TYP-01

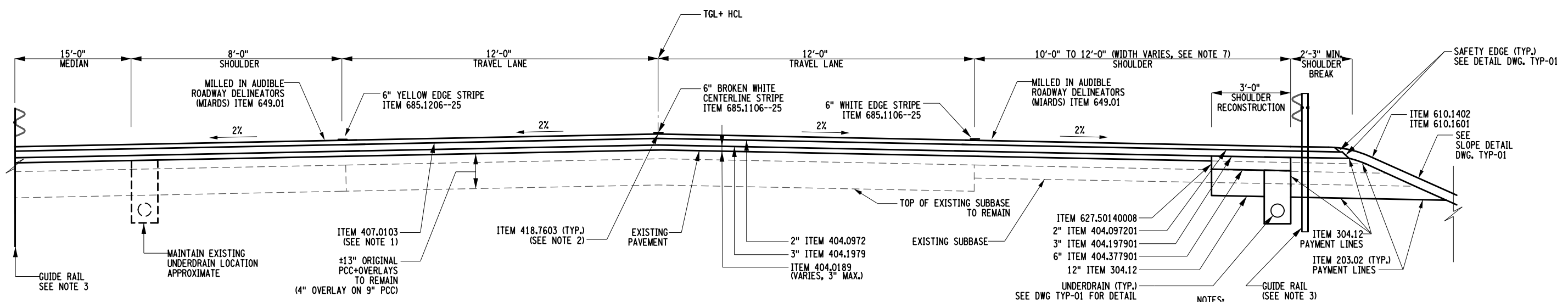
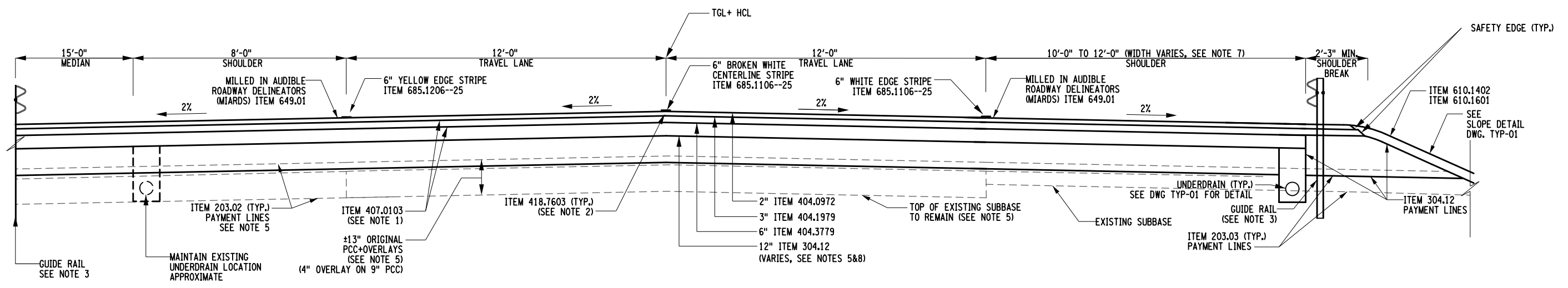
CHECKED BY: H. RESEL

DRAFTED BY: M. STONEMETZ

CHECKED BY: H. RESEL

DESIGNED BY: E. BAXTER

DESIGN SUPERVISOR: D. LEVINE



- NOTES:**
1. STRAIGHT TACK COAT SHALL BE APPLIED BETWEEN ALL PAVEMENT COURSES AND ON THE MILLED SURFACE.
 2. PAVEMENT JOINT ADHESIVE SHALL BE APPLIED AT ALL PAVEMENT JOINTS IN THE TOP COURSE.
 3. REFER TO GUIDE RAIL TABLE ON MSC-1 FOR LOCATIONS OF GUIDE RAIL.
 4. CONSTRUCT BENCHES IN ACCORDANCE WITH "EARTH BENCHING DETAILS" IN STANDARD SHEET 203-02, TITLED "EARTHWORK TRANSITION AND BENCHING DETAILS." PAYMENT UNDER ITEMS 203.02 AND 203.03.
 5. REMOVE EXISTING OVERLAY AND PCC PAVEMENT +/-13", REGRADE SUBBASE UNDER ITEM 203.02 AND PLACE NEW SUBBASE AS NECESSARY TO MEET PROFILE.
 6. SAFETY EDGE TAPER IS TO BE 35 DEGREES FROM FINISHED GRADE.
 7. SEE PLAN FOR SHOULDER WIDTH TRANSITIONS.
 8. ASPHALT COURSES SHALL EXTEND ON TOP OF THE SLEEPER SLAB FOR 2'-0" PER THE ST SERIES OF DRAWINGS. PLACE 1" OF ITEM 404.018901 - TRUING AND LEVELING COURSE ON TOP OF THE SLEEPER SLAB PRIOR TO PLACING PAVEMENT COURSES AS SHOWN. M.P. 238.22, BIN 5009929

ALTERED ON: _____ AFFIXED ON: **04/23/2024**

SIGNATURE: _____ STAMP: _____

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
203.03	EMBANKMENT IN PLACE	CY	490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
304.12	SUBBASE COURSE, TYPE 2	CY	610.1402	TOPSOIL - ROADSIDE	CY
404.0189	TRUING & LEVELING F9, ASPHALT, 80 SERIES COMPACTION	TON	610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
404.0972	9.5 F2 TOP COURSE ASPHALT, 70 SERIES COMPACTION	TON	627.50140008	CUTTING PAVEMENT	LF
404.1979	19 F9 BINDER COURSE ASPHALT, 70 SERIES COMPACTION	TON	685.1106--25	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES	LF
404.3779	37.5 F9 BASE COURSE ASPHALT, 70 SERIES COMPACTION	TON	685.1206--25	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES	LF
407.0103	STRAIGHT TACK COAT	GAL			

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REVISIONS

DATE	DESCRIPTION	BY	SYL

NEW YORK STATE OF OPPORTUNITY

Thruway Authority

PDG
POPPI DESIGN GROUP

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-XXB
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING HIGHWAY TYPICAL SECTIONS	DRAWING NUMBER: TYP-02

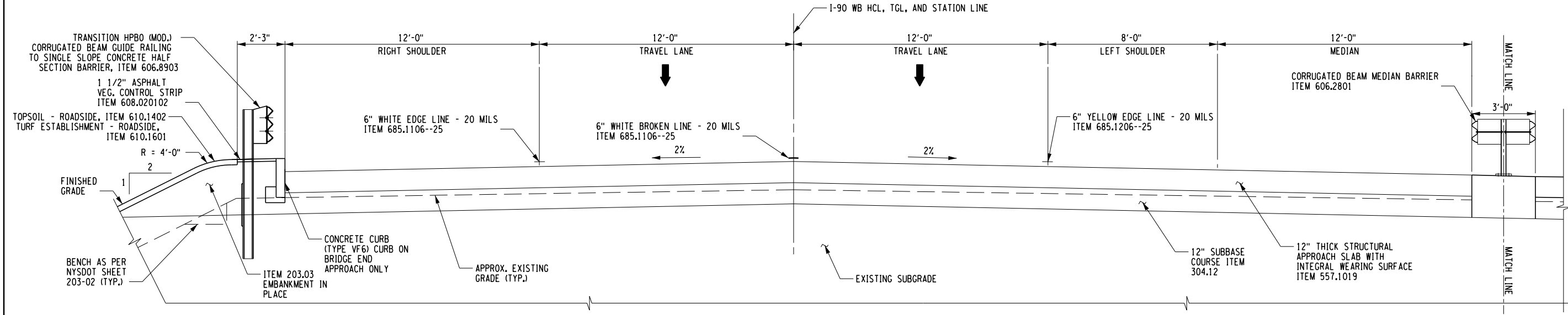
CHECKED BY: DPLEWINGHUN

DRAFTED BY: LITNESNER

CHECKED BY: DL LEVINE

DESIGNED BY: JIP. O'LOUGHLIN

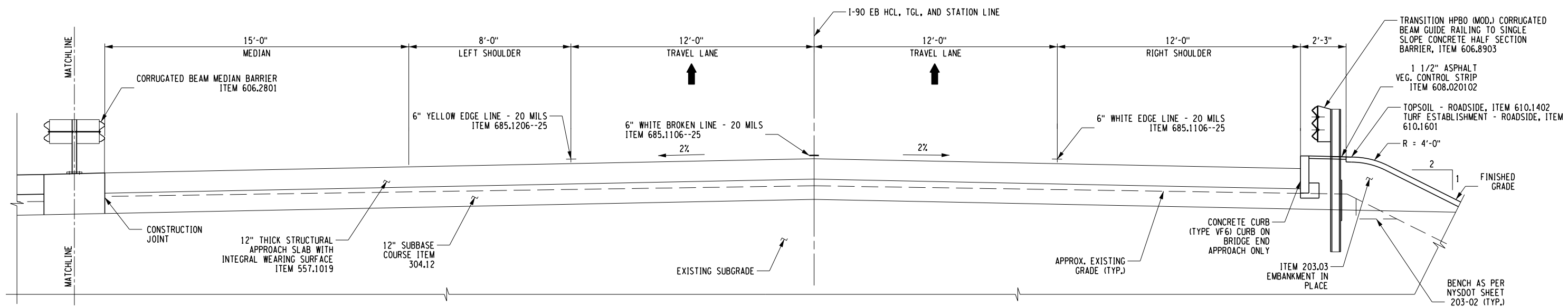
DESIGN SUPERVISOR: D. LEVINE



PROPOSED I-90 OVER ORISKANY BLVD WB TYP. APPROACH SECTION

WB STA 15+03.22 TO 15+26.72 AND 16+48.38 TO 16+71.88

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



PROPOSED I-90 OVER ORISKANY BLVD EB TYP. APPROACH SECTION

STA EB 15+01.67 TO 15+25.17 AND 16+46.83 TO 16+70.33

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

ALTERED ON: _____ AFFIXED ON: 04/18/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING BRIDGE TYPICAL SECTIONS	DRAWING NUMBER: TYP-03

M.P. 238.22, BIN 5009929

A. GENERAL NOTES

1. ALL WORK ZONE TRAFFIC CONTROL SHALL CONFORM TO THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE NYS SUPPLEMENT AND THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYS DOT) STANDARD SPECIFICATION SECTION 619, EXCEPT WHERE MODIFIED BY THE CONTRACT PLANS AND PROPOSAL.
2. IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONDITION OR PRACTICE, ALL OPERATIONS IN THAT AREA SHALL CEASE. IMMEDIATE REMEDIAL ACTION SHALL BE TAKEN TO THE SATISFACTION OF THE ENGINEER BEFORE WORK MAY BE RESUMED.
3. MOBILE LANE CLOSURES MAY BE UTILIZED TO INSTALL TRAFFIC CONTROL DEVICES.
4. A QUANTITY OF 5 PORTABLE VARIABLE MESSAGE SIGNS IN CONFORMANCE WITH ITEM 619.110513 HAVE BEEN INCLUDED IN THIS CONTRACT 2 ARE FOR USE ON THE MAINLINE AND 3 ARE FOR USE ON ORISKANY BLVD/WOOD RD. THE LOCATION OF EACH SIGN SHALL BE DETERMINED BY THE NEW YORK STATE THRUWAY AUTHORITY (NYSTA). PORTABLE VARIABLE MESSAGE SIGNS (PVMS) WILL BE OPERATED BY THE THRUWAY STATEWIDE OPERATIONS CENTER (TSOC). THE SOFTWARE CONTROL PACKAGE SHALL BE NTCIP PROTOCOL COMPLIANT COMMUNICATING THROUGH DAKTRONICS VANGUARD SOFTWARE, OR VER-MAC CENTRALO VERSION 3.0.2.1.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES THROUGHOUT THE PROJECT AREA AT ALL TIMES. ALL EXISTING HIGHWAY MEDIAN TURNAROUND AREAS OUTSIDE THE WORK ZONE TRAFFIC CONTROL LIMITS SHALL REMAIN OPEN FOR EMERGENCY VEHICLE USE.
6. CLOSURES REQUIRING NIGHTTIME WORK SHALL BE CONDUCTED IN CONJUNCTION WITH THE REQUIREMENTS OF SECTION 619-3.19 OF THE NYS DOT STANDARD SPECIFICATIONS. COST TO BE INCLUDED IN ITEM 619.24.
7. ALL EXISTING PAVEMENT MARKINGS ON THE THRUWAY MAINLINE THAT CONFLICT WITH WORK ZONE TRAFFIC CONTROL MARKINGS SHALL BE COVERED UNDER PAY ITEM 619.0803.

B. CHANGES TO WORK ZONE TRAFFIC CONTROL (WZTC) PLANS:

1. LANE AND SHOULDER CLOSURES, AND WORK HOUR RESTRICTIONS SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE ENGINEER SHALL RETAIN THE RIGHT TO CHANGE LANE AND SHOULDER CLOSURES AND WORK HOUR RESTRICTIONS THROUGHOUT THE DURATION OF THE CONTRACT.
2. THE CONTRACTOR MAY SUBMIT TO THE ENGINEER FOR REVIEW AND APPROVAL CHANGES TO THE WORK ZONE TRAFFIC CONTROL SCHEMES AND CONSTRUCTION SEQUENCES PRESENTED IN THESE PLANS.
3. THE WORK ZONE TRAFFIC CONTROL SCHEMES INCLUDED IN THESE PLANS DESCRIBE RECOMMENDED METHODS AND NECESSARY CONTROL DEVICES. THE ENGINEER MAY ORDER ADDITIONAL METHODS, ADDITIONAL DEVICES, OR ANY COMBINATION THEREOF, TO BETTER MEET FIELD CONDITIONS.
4. ANY PROPOSED TRAFFIC CONTROL SCHEME THAT DEVIATES FROM THE WORK ZONE TRAFFIC CONTROL DRAWINGS, INCLUDING THE RESTRICTIONS STATED THEREIN, WILL ONLY BE CONSIDERED AS PART OF A VALUE ENGINEERING PROPOSAL.

C. WZTC RESTRICTIONS:

1. INTERSTATE TRAFFIC SHALL BE MAINTAINED ON A PAVED SURFACE AT ALL TIMES. THE MINIMUM LANE WIDTH SHALL BE 11FT.
2. THERE SHALL BE NO WORK OPERATIONS ALLOWED BEFORE DAWN OR AFTER SUNSET WITHOUT AN APPROVED LIGHTING PLAN. THE LIGHTING PLAN SHALL BE APPROVED PRIOR TO START OF WORK BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A LIGHTING PLAN IN CONFORMANCE WITH 619.24 AND SHALL BEAR ALL COSTS.
3. LANE CLOSURES SHALL NOT BE ALLOWED WHEN EITHER VISIBILITY OR PAVEMENT CONDITION ARE JUDGED TO BE INADEQUATE BY THE ENGINEER.
4. THE CONTRACTOR SHALL SCHEDULE AND PROGRESS THE CONTRACT WORK IN A MANNER THAT MINIMIZES THE DURATION OF LANE CLOSURES. LANE CLOSURES SHALL BE USED ONLY WHEN WORK IS ACTUALLY IN PROGRESS.
5. SEE LANE CLOSURES CHARTS ON NYSTA STANDARD SHEETS TA 619-36 FOR LANE CLOSURE RESTRICTIONS.

D. WZTC COORDINATION:

1. THE CONTRACTOR SHALL BE AWARE THAT THERE MAY BE OTHER CONTRACTS, MAINTENANCE OPERATIONS, OR BRIDGE INSPECTIONS IN PROGRESS IN THE WORK AREA. THE ENGINEER AND THE CONTRACTOR SHALL COMMUNICATE WITH, AND COORDINATE OPERATIONS WITH, THE OTHER OPERATIONS SO THAT NO CONFLICT IN WORK SCHEDULING OR LOCATION OCCURS. LANE CLOSURES SHALL BE REPORTED TO THE NYSTA, ONE WEEK IN ADVANCE OF THE CLOSURE.
2. BEFORE ANY ROADWAY WIDTH RESTRICTIONS CAN BE MADE, THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH TWENTY-ONE (21) CALENDAR DAYS NOTICE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY UPON THE REMOVAL OF THE LANE WIDTH RESTRICTION. FAILURE OF THE CONTRACTOR TO PROVIDE THE NECESSARY NOTICE MAY RESULT IN DELAYS TO THE CONTRACTOR'S OPERATIONS.

E. WZTC SIGNING AND DEVICES:

1. THE SIGN AND APPURTENANCE DISTANCES SHOWN ON THE WZTC PLANS ARE APPROXIMATE. THE DISTANCES MAY BE AMENDED BY THE ENGINEER TO BETTER MEET FIELD CONDITIONS.
2. THE CONSTRUCTION AND REGULATORY SIGNS FOR A PARTICULAR WORK ZONE TRAFFIC CONTROL PHASE SHALL BE IN PLACE PRIOR TO THE START OF THAT PHASE. ALL CONSTRUCTION SIGNS SHALL EITHER BE REMOVED OR COVERED COMPLETELY WITH OPAQUE MATERIAL WHEN NOT REQUIRED.
3. ALL SIGNS, INCLUDING GUIDE SIGNS, SHALL INDICATE THE ACTUAL CONDITIONS AT ALL TIMES. SIGNS SHALL BE COVERED, REPOSITIONED, OR CHANGED IMMEDIATELY AS DIRECTED BY THE ENGINEER. NO SIGN SHALL BE PLACED AT ANY LOCATION WHERE IT COULD BE OBTURED BY TEMPORARY OR PERMANENT OBJECTS. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, WORK ZONE TRAFFIC CONTROL.
4. THE BOTTOM OF TEMPORARY CONSTRUCTION SIGNS SHALL BE A MINIMUM OF 7 FT ABOVE THE EDGE OF THE ROADWAY GRADE. SIGNS SHALL BE LOCATED OFF THE EDGE OF SHOULDER.
5. THE FLAGS SHALL BE INSTALLED ON SIGNS AT LOCATIONS IDENTIFIED ON THE PLANS. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 WORK ZONE TRAFFIC CONTROL.
6. AT NIGHT, FLASHING ARROW BOARDS SHALL NOT BE OPERATED AT SUCH BRIGHTNESS THAT SIGNS, DRUMS, IMPACT ATTENUATION DEVICES, OR OTHER TRAFFIC CONTROL DEVICES CANNOT EASILY BE SEEN BY APPROACHING MOTORISTS. TO ENSURE THAT FLASHING ARROW BOARDS ARE NOT TOO BRIGHT FOR NIGHT OPERATION, THE CONTRACTOR SHALL MAKE AN ON SITE INSPECTION OF EACH ARROW BOARD AT THE BEGINNING OF ITS FIRST NIGHT OF OPERATION. IF THIS INSPECTION FINDS THAT AN ARROW BOARD IS TOO BRIGHT, THE CONTRACTOR SHALL PROMPTLY REDUCE THE LAMP INTENSITY. IN THIS CONTEXT, "PROMPTLY", SHALL MEAN NO LATER THAN THE BEGINNING OF THE NEXT NIGHT OF THE ARROW BOARD'S OPERATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, WORK ZONE TRAFFIC CONTROL. FAILURE TO COMPLY WITH THIS NOTE SHALL BE CONSIDERED UNSATISFACTORY WORK ZONE TRAFFIC CONTROL. PAYMENT DEDUCTIONS SHALL BE MADE IN CONFORMANCE WITH SECTION 619, WORK ZONE TRAFFIC CONTROL.
7. IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 619 OF THE NYS DOT STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY TRAFFIC CONTROL DEVICES. THAT IS, THE CONTRACTOR SHALL ENSURE THAT ALL SUCH ITEMS AS SIGNS, CONES, FLASHERS, DRUMS, ETC. ARE IN PLACE AND IN GOOD CONDITION, THE ENGINEER SHALL BE THE SOLE JUDGE OF THE EFFECTIVENESS OF THE CONTRACTOR'S EFFORTS TOWARD THE MAINTENANCE AND PROTECTION OF TRAFFIC.
8. WZTC SIGNS AND APPURTENANCES SHALL BE PLACED/STORED OFF THE EDGE OF SHOULDER, THE CONTRACTOR IS ENCOURAGED TO LEAVE SIGNS AND APPURTENANCES BEHIND APPROVED BARRIER IN THE AREA THAT THEY ARE NEEDED TO REDUCE CLOSURE SETUP TIME AND MAXIMIZE THE AMOUNT OF "WORK TIME" DURING EACH WORK DAY. WZTC SIGNS AND APPURTENANCES SHALL NOT BE STORED OFF THE EDGE OF THE SHOULDER FROM NOVEMBER 15 TO APRIL 1, THEY SHALL BE PICKED UP AT THE END OF EACH WORK DAY.

F. CONSTRUCTION VEHICLES:

1. PARKING OF PERSONAL VEHICLES IS PROHIBITED WITHIN THE PROJECT LIMITS. VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED WITHIN 30 FT OF THE EDGE OF PAVEMENT OF MAINLINE AND ROADS. ALL PARKING PLANS MUST BE APPROVED BY THE ENGINEER.
2. DRIVING AGAINST TRAFFIC, REGARDLESS OF WHETHER OR NOT THE AREA HAS BEEN CLOSED TO TRAFFIC, SHALL NOT BE ALLOWED AT ANYTIME EXCEPT FOR TRAFFIC CONE PICKUP AND ON CLOSED RAMPS AND AS SPECIFICALLY PERMITTED BY THE ENGINEER.
3. ESCORT VEHICLES EQUIPPED WITH AN APPROVED ROTATING AMBER WARNING LIGHT OR AN OPERATING ARROW BOARD SHALL BE REQUIRED WHEN TRANSPORTING SLOW MOVING CONSTRUCTION EQUIPMENT ALONG ANY PORTION OF THE ROADWAY THAT IS OPEN TO TRAFFIC UNLESS PROTECTED BY AN APPROVED PHYSICAL BARRIER.
4. ALL VEHICLES THAT WILL MOVE INTO AND OUT OF TRAFFIC AT WORK AREAS SHALL BE EQUIPPED WITH AN APPROVED ROTATING AMBER WARNING LIGHT THAT SHALL BE MOUNTED SO AS TO BE EASILY SEEN BY APPROACHING TRAFFIC.

G. RESPONSIBILITY FOR EMERGENCY REPAIRS:

1. THE CONTRACTOR SHALL SUBMIT, IN WRITING, TO THE ENGINEER IN CHARGE, THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF HIS/HER AND ANY SUB CONTRACTOR'S STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS.

H. ROADSIDE HAZARDS:

1. IF THE SHOULDER TO BE USED FOR WORK ZONE TRAFFIC CONTROL SHOWS SIGNS OF DISTRESS, IT SHALL BE REPLACED PRIOR TO TRAFFIC BEING PLACED ON IT. THE SHOULDER SHALL BE CLOSED USING THE TYPICAL WORK ZONE TRAFFIC CONTROL SCHEMES FOR SHOULDER CLOSURES SHOWN IN THE NYSTA STANDARD SHEETS.
2. EXCAVATIONS THAT PRODUCE A DROP OFF ON BOTH SIDES OF THE TRAVEL LANES SHALL NOT BE PERMITTED, UNLESS PROTECTED WITH CONCRETE BARRIER. SEE TABLE 619-3 IN SECTION 619-3.02K FOR PAVEMENT EDGE DROP-OFF PROTECTION.
3. WHEN NOT IN USE, THE CONTRACTOR SHALL NOT STORE ANY CONSTRUCTION EQUIPMENT, SIGNS, TRAFFIC CONTROL DEVICES, MATERIALS OR ANY OTHER APPURTENANCES ALONG THE ROADWAY WITHIN THE CLEAR ZONE UNLESS PROTECTED BY AN APPROVED PHYSICAL BARRIER.
4. EXISTING GUIDE RAIL SHALL REMAIN IN PLACE UNTIL CONSTRUCTION ACTIVITIES NECESSITATE REMOVAL. NEW GUIDE RAIL SHALL BE INSTALLED WITHIN 14 DAYS IN ACCORDANCE WITH SECTION 619-3.02E. DELINEATION AND DROP OFF PROTECTION SHALL BE AS SPECIFIED IN SECTION 619 WORK ZONE TRAFFIC CONTROL.

I. CHANGING WZTC SCHEMES:

1. WHEN IT IS NECESSARY TO CHANGE THE LANES THAT ARE CLOSED TO TRAFFIC, THE CONTRACTOR SHALL BE REQUIRED TO FIRST REMOVE ALL DRUMS, CONES, SIGNS, ARROWS, AND THE LIKE SO THAT ALL LANES ARE OPEN BEFORE THE NEW SCHEME IS SET IN PLACE. THIS METHOD MAY BE MODIFIED BY THE ENGINEER, AS NECESSARY.
2. WHEN REOPENING TRAVEL LANES TO TRAFFIC, THE CONTRACTOR SHALL START BY REMOVING THE CONES AT THE FAR END OF THE LANE CLOSURE AND WORK TOWARDS THE SIGNS AT THE BEGINNING OF THE LANE CLOSURE. THE SIGNS ARE NOT TO BE TAKEN DOWN UNTIL ALL TRAFFIC CONTROL DEVICES HAVE BEEN REMOVED.

J. BARRIER VEHICLE WITH MOUNTED ATTENUATORS

1. BARRIER VEHICLES (BV) WITH MOUNTED ATTENUATORS ARE REQUIRED WHEN WORKERS ARE PRESENT IN A CLOSED TRAVEL LANE OR CLOSED SHOULDER. A BV SHALL BE USED AT EACH WORK LOCATION WITHIN THE CLOSURE. THE COST SHALL BE INCLUDED IN THE COST BID FOR ITEM 619.01.
2. BARRIER VEHICLES WITH MOUNTED ATTENUATORS SHALL BE PLACED TO ACCOMMODATE ANTICIPATED ROLL-AHEAD DISTANCE (DISTANCE BETWEEN THE FRONT OF THE BV TRUCK AND THE FIRST WORKER OR VEHICLE TO BE PROTECTED). FOLLOW TRUCK MANUFACTURER'S INSTRUCTIONS.

K. FLASHING ARROW PANEL

1. FLASHING ARROW PANELS SHALL COMPLY WITH SECTION 729-15 OF THE STANDARD SPECIFICATIONS.
2. THE COST OF THE FLASHING ARROW PANEL SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01.

L. NIGHTTIME OPERATION

1. LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE SCHEDULE AND SUSPENSION OF WORK INCLUDED IN THE CONTRACT PROPOSAL.
2. THE CONTRACTOR IS ENCOURAGED TO ESTABLISH PERMANENT LIGHTING SETUPS ALONG THE WORK ZONE TO MAXIMIZE THE AMOUNT OF "WORK TIME" EACH NIGHT. THE CONTRACTOR SHALL SUBMIT HIS LIGHTING PLAN 30 DAYS PRIOR TO THE START OF NIGHTTIME OPERATIONS.
3. NIGHTTIME OPERATIONS SHALL COMPLY WITH SECTION 619-3.19 OF THE STANDARD SPECIFICATIONS.

M. SEQUENCE OF OPERATIONS: I-90 OVER ORISKANY BOULEVARD

- STAGE 1
UTILIZE LANE CLOSURES ON ORISKANY BLVD. TO COMPLETE TEMPORARY DECK REPAIRS ON EB MAINLINE BRIDGE ESTABLISH STAGE 2 WB CROSSOVER AND STAGE 2 EB SHIFT ON MAINLINE.
- STAGE 2
UTILIZE LANE CLOSURES ON ORISKANY BLVD AS NEEDED FOR WORK UNDER BRIDGE. UTILIZE TEMPORARY STOPPAGES ON ORISKANY BLVD WHILE RAISING AND LOWERING STEEL. REMOVE WB BRIDGE. CONSTRUCT WB BRIDGE.
- STAGE 3
PLACE EB TRAFFIC BACK ON NEW WB BRIDGE. REMOVE STAGE 2 CROSSOVER. ESTABLISH STAGE 4 WZTC, EB CROSSOVER, WB SHIFT.
- STAGE 4
UTILIZE LANE CLOSURES ON ORISKANY BLVD AS NEEDED FOR WORK UNDER BRIDGE. UTILIZE TEMPORARY STOPPAGES ON ORISKANY BLVD WHILE RAISING AND LOWERING STEEL. REMOVE EB BRIDGE. CONSTRUCT EB BRIDGE.
- STAGE 5
PLACE EB TRAFFIC BACK ON NEW EB BRIDGE. ESTABLISH SHOULDER EB AND WB LEFT CLOSURE. REMOVE STAGE 4 CROSSOVER. INSTALL NEW MEDIAN BRIDGE RAIL.
- STAGE 6
COMPLETE ALL FINAL PAVEMENT MARKINGS ON MAINLINE AND ORISKANY BLVD USING MOBILE OPERATIONS. REMOVE EB AND WB SHOULDER CLOSURE.


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DESIGNED BY: GM

DESIGN SUPERVISOR: JWB/SAD/SAD

ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
	LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
	TITLE OF DRAWING TRAFFIC CONTROL NOTES	DRAWING NUMBER: TCN-1

CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JWB/BOUSADIER

TEXT NUMBER	TEXT	M.U.T.C.D. NUMBER	SIZE	COLOR		REMARKS
				BACKGROUND	LEGEND	
1		R11-2	48 X 30	WHITE	BLACK	
2		NYR9-12	48 X 72	WHITE	BLACK	
3		W20-1	48 X 48	ORANGE	BLACK	
4		R4-9	36 X 48	WHITE	BLACK	
5		W1-4bR	48 X 48	ORANGE	BLACK	
6		W1-4bL	48 X 48	ORANGE	BLACK	
7		W3-5	48 X 48	ORANGE	BLACK	
8		G20-5aP	36 X 24	ORANGE	BLACK	
9		R2-1	36 X 48	WHITE	BLACK	

TEXT NUMBER	TEXT	M.U.T.C.D. NUMBER	SIZE	COLOR		REMARKS
				BACKGROUND	LEGEND	
10		OM3-L	12 X 36	YELLOW	BLACK	
11		OM3-R	12 X 36	YELLOW	BLACK	
12		R11-3A	48 X 30	WHITE	BLACK	
13		W20-5RA	36 X 36	ORANGE	BLACK	
14		W20-5LA	36 X 36	ORANGE	BLACK	
15		G20-2	36 X 18	ORANGE	BLACK	
16		W23-1yNY	48 X 24	ORANGE	BLACK	
17		W21-5bLA	48 X 48	ORANGE	BLACK	
18		W20-1	48 X 48 36 X 36	ORANGE	BLACK	

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SIGNATURE: _____ STAMP: _____

SIGNATURE: JAMES M. CUMMINGS, PE
STAMP: _____

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 TOWANDA, PA 517-205-4868 BINGHAMTON, NY 607-736-8081
 ALBANY, NY 607-736-5951 WWW.HUNT-ENG.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22031464-1

TITLE OF PROJECT: REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
 LOCATION OF PROJECT: SYRACUSE DIVISION MP 238.22
 TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL SIGN TABLE

CONTRACT NUMBER: TAS 24-20B
 DATE: 04/03/2024
 DRAWING NUMBER: WZSD-1


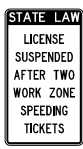





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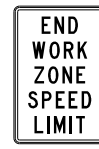







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DESIGNED BY: GM

DESIGN SUPERVISOR: JWB/BOUSADIER

TEXT NUMBER	TEXT	M.U.T.C.D. NUMBER	SIZE	COLOR		REMARKS
				BACKGROUND	LEGEND	
19		W21-5aL	48 X 48	ORANGE	BLACK	
20		NYR9-11	48 X 84	WHITE	BLACK	
21		R4-7	24 X 30	WHITE	BLACK	
22		W7-3aP	36 X 30	ORANGE	BLACK	
23		W4-2R	36 X 36	ORANGE	BLACK	
24		W4-2L	36 X 36	ORANGE	BLACK	
25		R3-2	36 X 36	WHITE	BLACK/RED	

TEXT NUMBER	TEXT	M.U.T.C.D. NUMBER	SIZE	COLOR		REMARKS
				BACKGROUND	LEGEND	
26		R2-11	36 X 48	WHITE	BLACK	
27		R2-12	36 X 54	WHITE	BLACK	
28		W1-4bL MOD	36 X 30	ORANGE	BLACK	
29		W1-4bR MOD	36 X 30	ORANGE	BLACK	
30		W1-8R	30 X 36	YELLOW	BLACK	
31		R9-11 MOD	24 X 18	WHITE	BLACK	
32		M4-9bR	30 X 24	ORANGE	BLACK	
33		MR-9bL	30 X 24	ORANGE	BLACK	
34		MR-9bMOD	30 X 24	ORANGE	BLACK	

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TOWANDA, PA 570-265-8888 BINGHAMTON, NY 607-736-8081
ALBANY, NY 607-738-5951 WWW.HUNT-ENG.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22031464-1

TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD

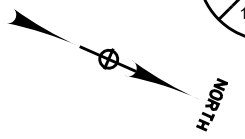
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 238.22

TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL SIGN TABLE

CONTRACT NUMBER:
TAS 24-20B

DATE:
04/03/2024

DRAWING NUMBER:
WZSD-2



NOTES:

1. TRAFFIC ON ORISKANY BLVD. SHALL BE TEMPORARILY STOPPED FOR NO MORE THAN 10 MINUTES. AN EXCEPTION MAY BE MADE IN THE CASE OF AN EMERGENCY AS DETERMINED BY THE ENGINEER OR DIVISION TRAFFIC SUPERVISOR.
2. CONTRACTOR SHALL COORDINATE CLOSURES WITH NYS TROOP D
3. ONCE REOPENED TO TRAFFIC, THE ROADWAY SHALL NOT BE FULLY CLOSED AGAIN UNTIL ALL STOPPED TRAFFIC HAS CLEARED.
4. THE NEW YORK STATE POLICE SHALL BE GIVEN SEVEN (7) CALENDAR DAYS NOTICE BY THE ENGINEER WHEN CONSTRUCTION OPERATIONS REQUIRE STOPPING TRAFFIC. THE CONTRACTOR SHALL SCHEDULE OPERATIONS ACCORDINGLY AND PROVIDE THE ENGINEER ADEQUATE NOTICE (MINIMUM OF 2 WEEKS). FAILURE OF THE CONTRACTOR TO PROVIDE ADEQUATE NOTICE TO THE ENGINEER WILL RESULT IN DELAYS TO THE CONTRACTOR'S SCHEDULED OPERATIONS.
5. ORISKANY BLVD. SHALL ONLY BE CLOSED FOR LIFTING AND LOWERING STEEL.
6. UTILIZE CLOSURE ON TC-26 TO REDUCE ORISKANY BLVD. TO ONE LANE IN EACH DIRECTION BEFORE IMPLEMENTING TEMPORARY STOPPAGES.
7. THE PORTABLE VARIABLE MESSAGE SIGNS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER.
8. PORTABLE VARIABLE MESSAGE SIGN SHALL BE DEPLOYED AND MESSAGE DISPLAYED ONE WEEK IN ADVANCE OF TRAFFIC STOPPAGES TO ADVERTISE OF THE NIGHT WORK/STOPPAGES. PVMs DURING CLOSURE(S) SHOULD BE PLACED IN ADVANCE OF THE LANE CLOSURE TERMINI ON EACH SIDE OF BRIDGE. COORDINATE WITH NYSOT SO MESSAGING FOR PVMs IS PLACED ON NYS SYSTEM (BOTH PRE-PHASE AND DURING PHASE MESSAGES).
9. STOPPAGE OF TRAFFIC WILL ONLY BE ALLOWED DURING THE HOURS OF 12:00AM TO 5:00AM.
10. THE CONTRACTOR SHALL PROVIDE FLAGGERS AS NEEDED TO ASSIST THE STATE POLICE IN TRAFFIC CONTROL.

(PVMs) STANDARD SIZE FULL MATRIX (LED) APPROX. LOCATION ITEM 619.110513

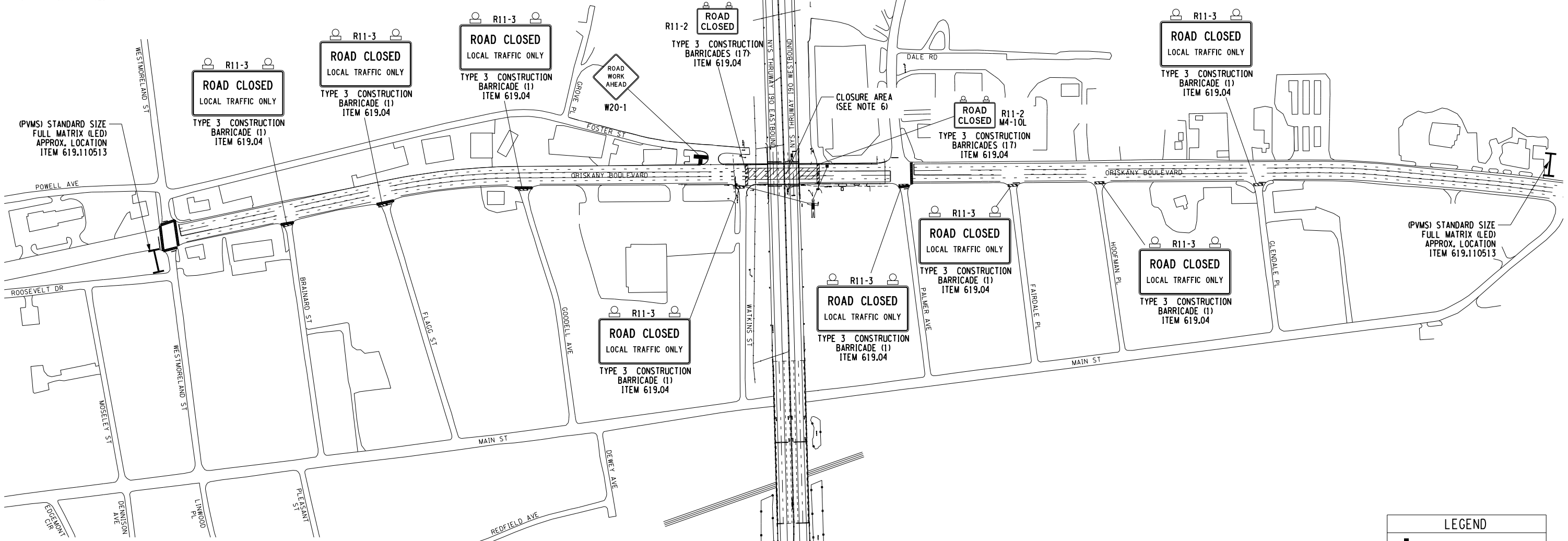
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CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JWB/SAD



(PVMs) STANDARD SIZE FULL MATRIX (LED) APPROX. LOCATION ITEM 619.110513

(PVMs) STANDARD SIZE FULL MATRIX (LED) APPROX. LOCATION ITEM 619.110513

LEGEND	
	GROUND MOUNTED SIGN
	BARRICADE/SIGN LIGHTING
	TYPE III CONSTRUCTION BARRICADE WITH LIGHTING
	WORK SPACE

M.P. 238.22, BIN 5009929

ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

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ALBANY, NY 607-738-5931 WWW.HUNT-ENG.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22031464-1

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING TRAFFIC STOPPAGE PLAN	DRAWING NUMBER: TC-1

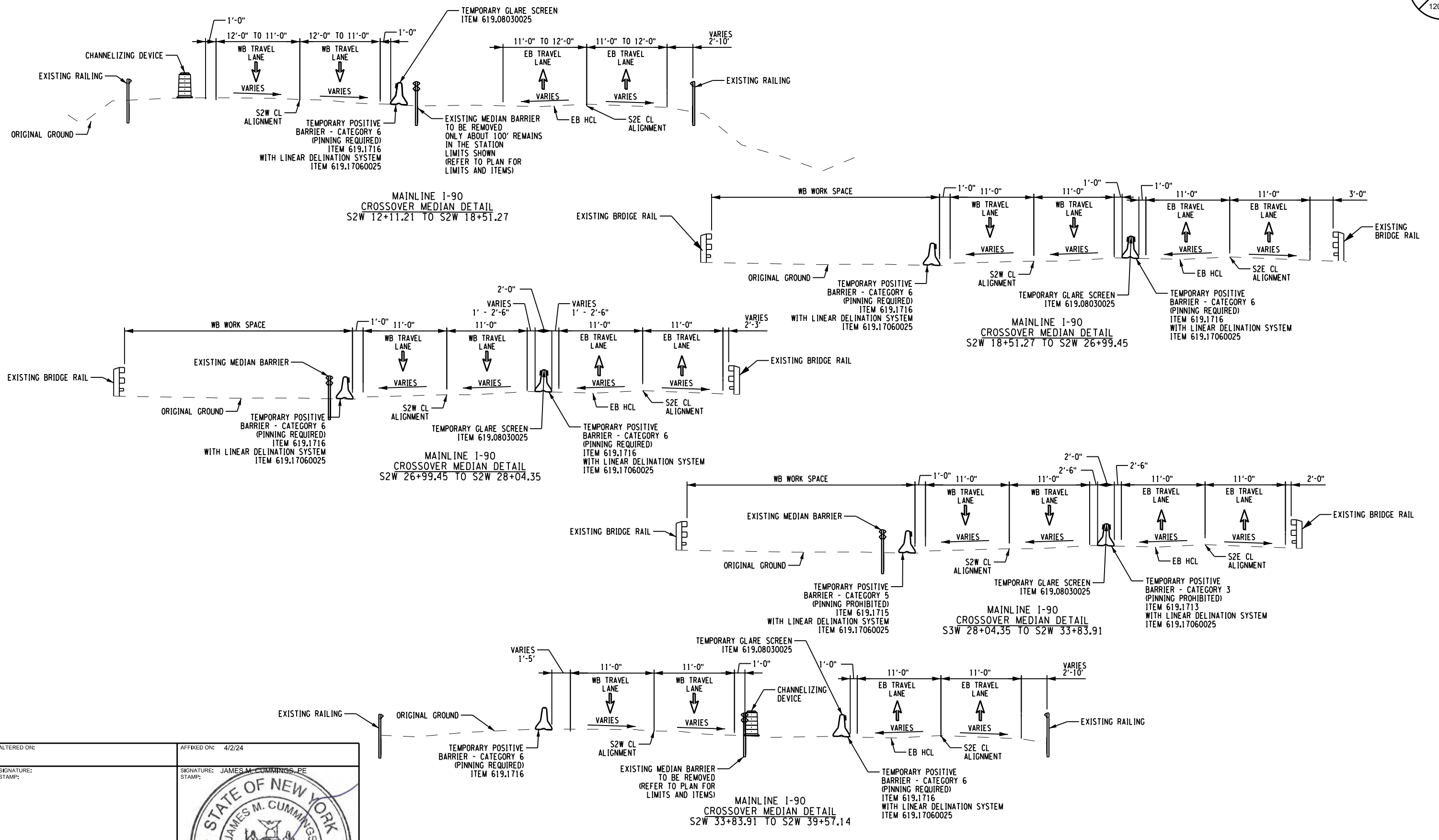
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CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: RWBOUSASADER



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SIGNATURE: JAMES M. CUMMINGS, PE STAMP: _____

EXP. 12/31/2026

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 ALBANY, NY 518-788-5881 WWW.HUNT-ENG.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL TYPICALS STAGE 2	DRAWING NUMBER: TC-2

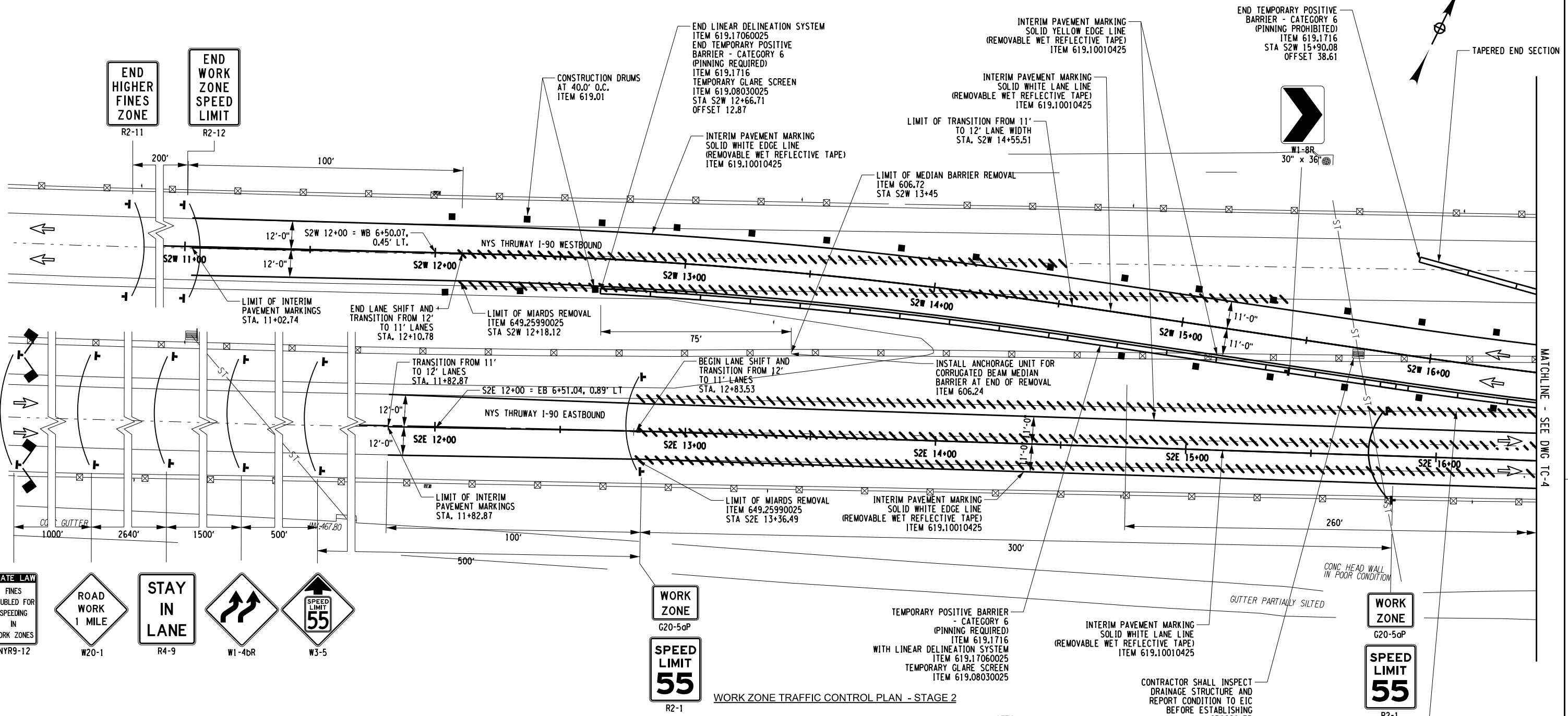
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CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JWB/SAS/ADR

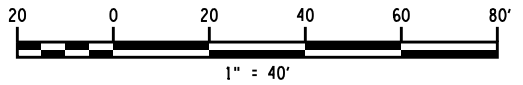


WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2

LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER
	DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	WARNING FLAGS (MIN. 18" X 18")
	INTERIM PAVEMENT MARKING, ITEM 619.10010425
	STAGE 2 WORK SPACE
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TYPE III BARRICADES, ITEM 619.04

NOTES:

1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCROACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
2. MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS) REMOVED FOR WORK ZONE TRAFFIC CONTROL ACTIVITIES SHALL BE REESTABLISHED UNDER ITEM 649.01.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GUIDE RAIL MAINTENANCE AND SHALL RESPOND TO GUIDE RAIL INCIDENTS IMMEDIATELY.



ALTERED ON: _____ AFFIXED ON: 4/2/24

SIGNATURE: _____ STAMP: _____

SIGNATURE: JAMES M. CUMMINGS, PE STAMP: _____

EXP. 12/31/2026

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.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
TOWANDA, PA 517-265-4868 BINGHAMTON, NY 607-796-8081
ALBANY, NY 607-796-5881 WWW.HUNT-ENG.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 2	DRAWING NUMBER: TC-3

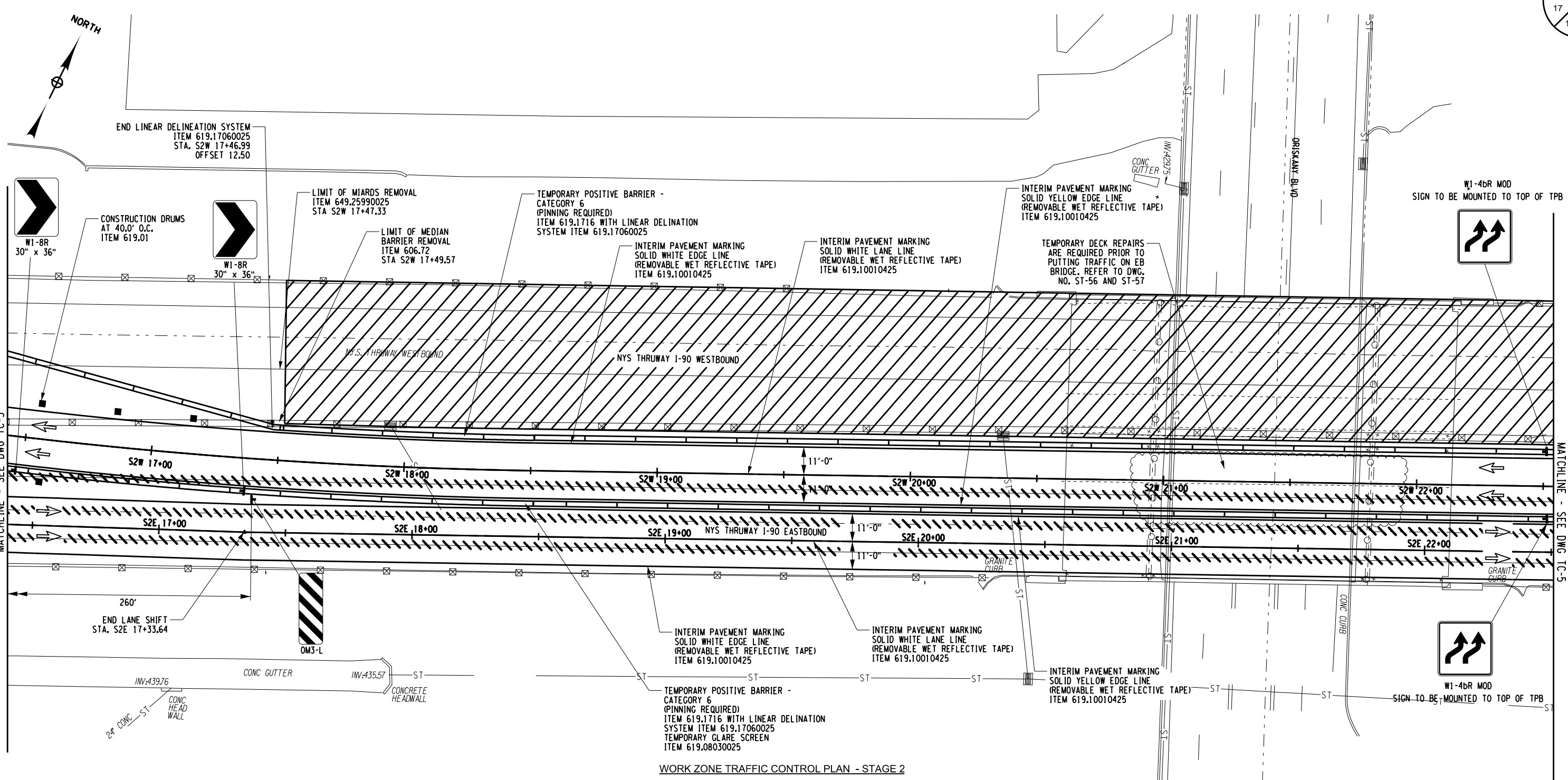
CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

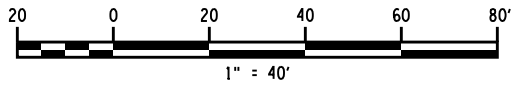
DESIGN SUPERVISOR: RWBOUSASADER



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2

LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER
	DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	INTERIM PAVEMENT MARKING, ITEM 619.10010425
	STAGE 2 WORK SPACE
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TYPE III BARRICADES, ITEM 619.04

- NOTES:
1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCRÖACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
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 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GUIDE RAIL MAINTENANCE AND SHALL RESPOND TO GUIDE RAIL INCIDENTS IMMEDIATELY.



ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY

Thruway Authority

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
TOWANDA, PA 517-295-4868 BINGHAMTON, NY 607-736-8081
ALBANY, NY 518-788-8881 WWW.HUNT-ENG.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 2	DRAWING NUMBER: TC-4

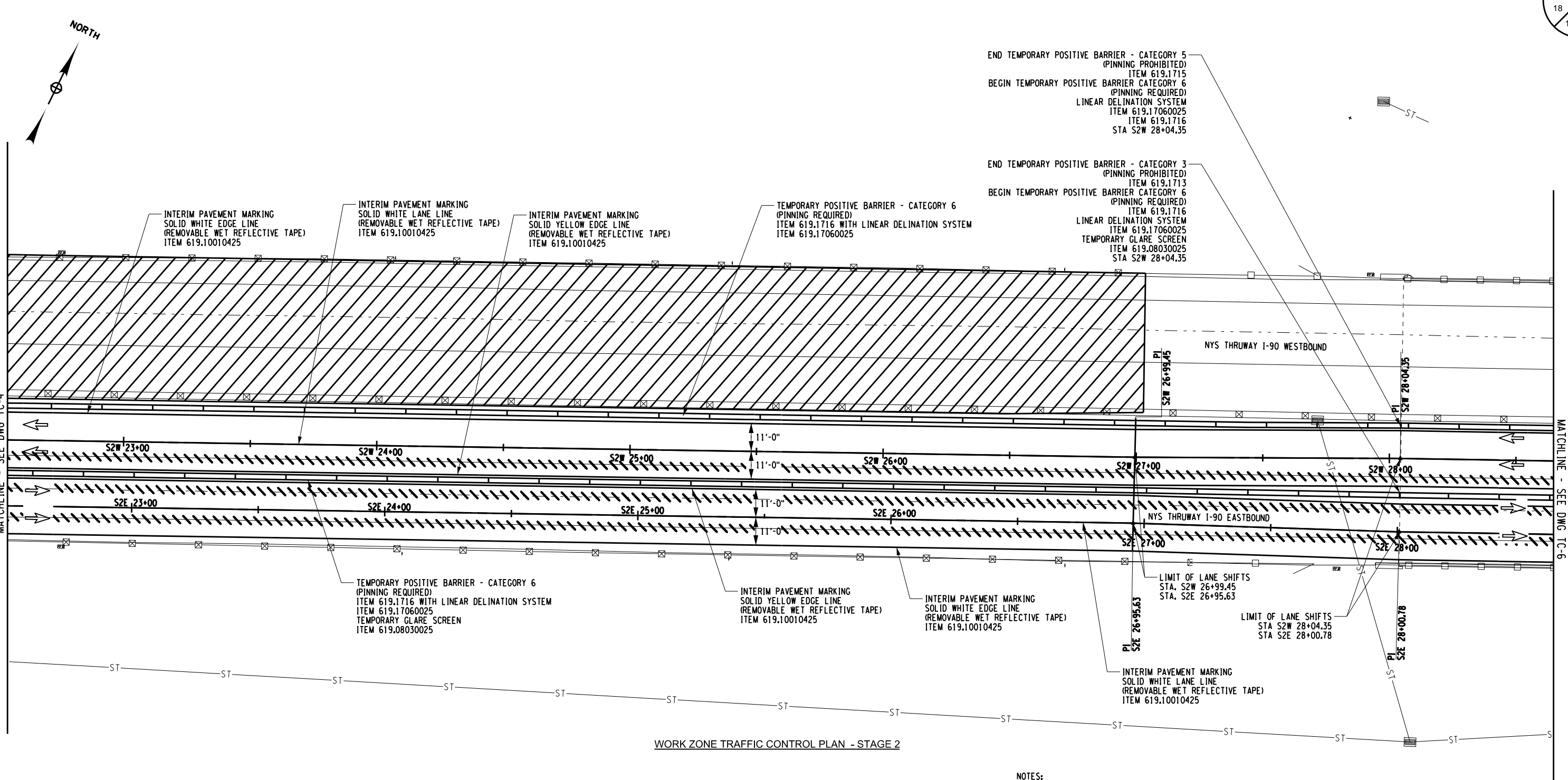
CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: RWBOUSASADER



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2

END TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)
ITEM 619.1715
BEGIN TEMPORARY POSITIVE BARRIER CATEGORY 6 (PINNING REQUIRED)
LINEAR DELINATION SYSTEM
ITEM 619.17060025
ITEM 619.1716
STA S2W 28+04.35

END TEMPORARY POSITIVE BARRIER - CATEGORY 3 (PINNING PROHIBITED)
ITEM 619.1713
BEGIN TEMPORARY POSITIVE BARRIER CATEGORY 6 (PINNING REQUIRED)
ITEM 619.1716
LINEAR DELINATION SYSTEM
ITEM 619.17060025
TEMPORARY GLARE SCREEN
ITEM 619.08030025
STA S2W 28+04.35

TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED)
ITEM 619.1716 WITH LINEAR DELINATION SYSTEM
ITEM 619.17060025
TEMPORARY GLARE SCREEN
ITEM 619.08030025

INTERIM PAVEMENT MARKING
SOLID YELLOW EDGE LINE
(REMOVABLE WET REFLECTIVE TAPE)
ITEM 619.10010425

INTERIM PAVEMENT MARKING
SOLID WHITE EDGE LINE
(REMOVABLE WET REFLECTIVE TAPE)
ITEM 619.10010425

LIMIT OF LANE SHIFTS
STA. S2W 26+99.45
STA. S2E 26+95.63

LIMIT OF LANE SHIFTS
STA S2W 28+04.35
STA S2E 28+00.78

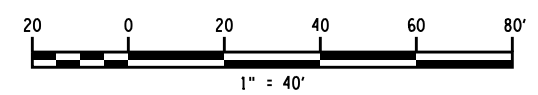
INTERIM PAVEMENT MARKING
SOLID WHITE LANE LINE
(REMOVABLE WET REFLECTIVE TAPE)
ITEM 619.10010425

LEGEND

	CONSTRUCTION DRUM, ITEM 619.01		INTERIM PAVEMENT MARKING, ITEM 619.10010425
	TEMPORARY POSITIVE BARRIER		STAGE 2 WORK SPACE
	DIRECTION OF TRAFFIC		COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TEMPORARY SIGN, ITEM 619.01		TYPE III BARRICADES, ITEM 619.04

NOTES:

1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCR OACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
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ALTERED ON:

AFFIXED ON: 4/2/24

SIGNATURE:
STAMP:

SIGNATURE: JAMES M. CUMMINGS, PE
STAMP:



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority

TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 238.22

CONTRACT NUMBER:
TAS 24-20B

DATE:
04/03/2024

TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL STAGE 2

DRAWING NUMBER:
TC-5

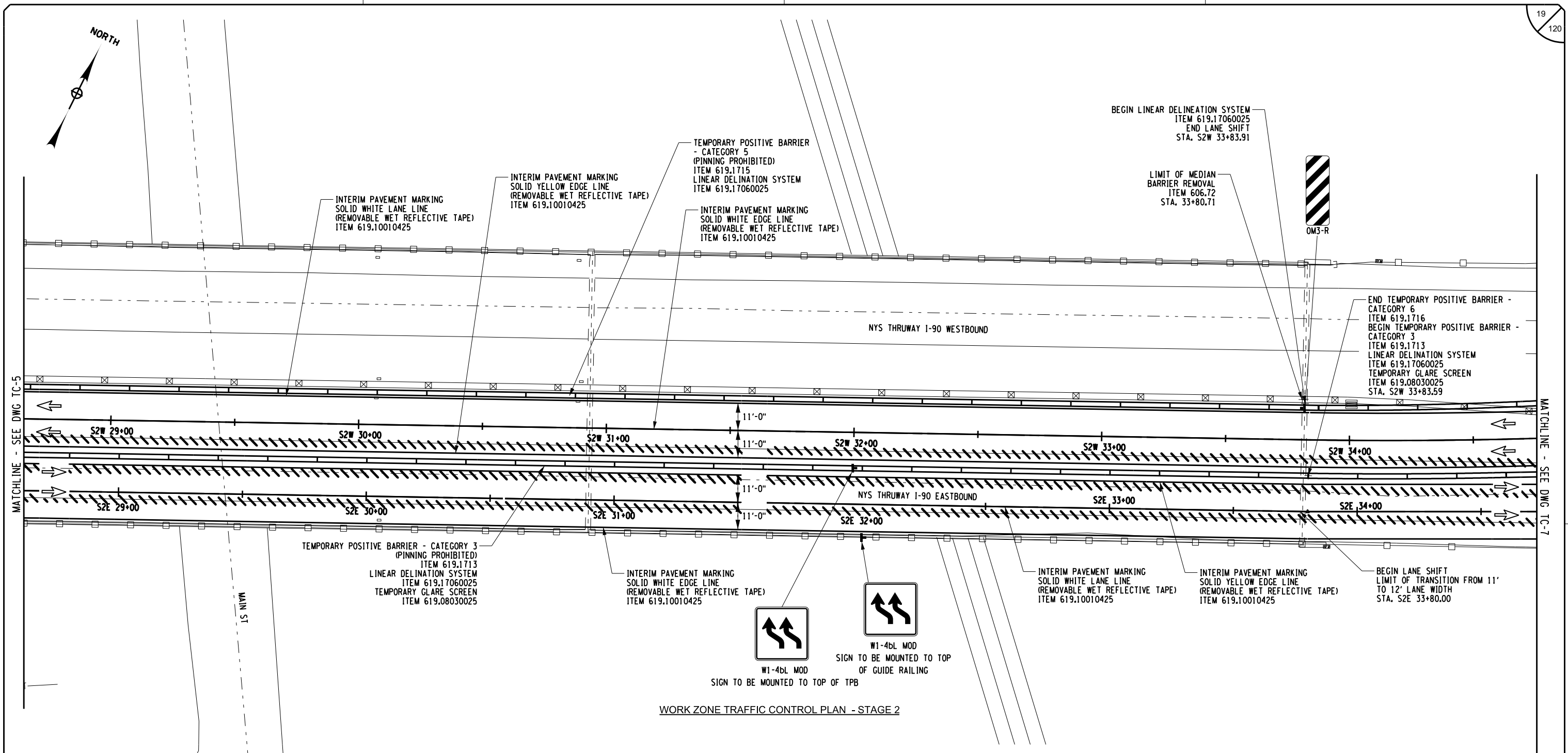
CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

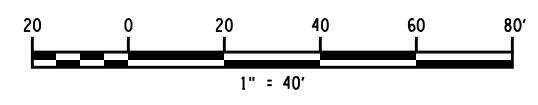
DESIGN SUPERVISOR: RWBOUSASADER



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2

LEGEND			
	CONSTRUCTION DRUM, ITEM 619.01		INTERIM PAVEMENT MARKING, ITEM 619.10010425
	TEMPORARY POSITIVE BARRIER		STAGE 2 WORK SPACE
	DIRECTION OF TRAFFIC		COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TEMPORARY SIGN, ITEM 619.01		TYPE III BARRICADES, ITEM 619.04

- NOTES:
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ALTERED ON: _____ AFFIXED ON: 4/2/24

SIGNATURE: _____ STAMP: _____

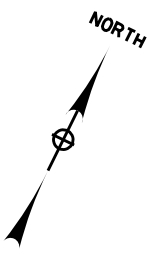
SIGNATURE: JAMES M. CUMMINGS, PE STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
 TOWANDA, PA 814-285-4888 BINGHAMTON, NY 607-736-8081
 ALBANY, NY 607-735-8981 WWW.HUNT-ENG.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 2	DRAWING NUMBER: TC-6



WORK ZONE
G20-5aP
SPEED LIMIT
55
R2-1

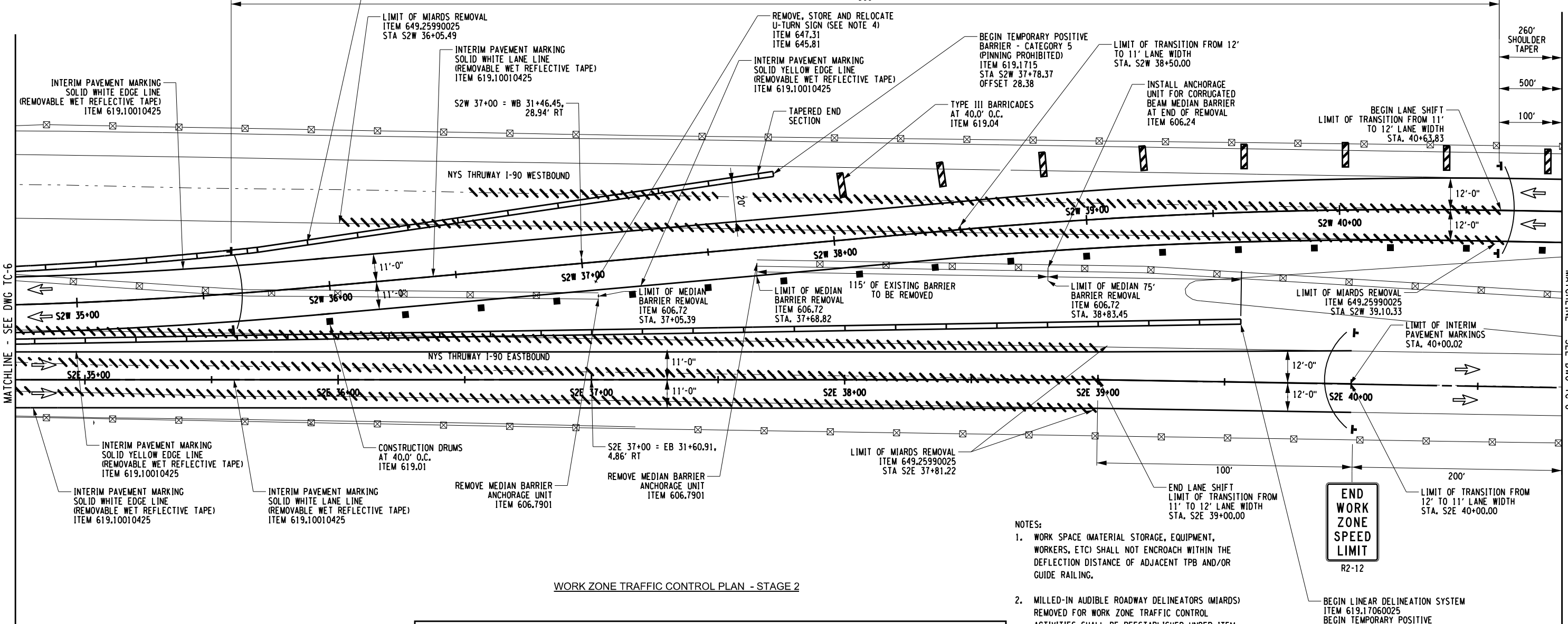
WORK ZONE
G20-5aP
SPEED LIMIT
55
R2-1

CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

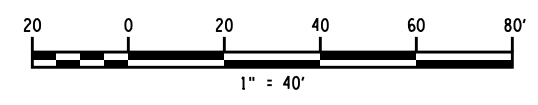


WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2

NOTES:

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3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GUIDE RAIL MAINTENANCE AND SHALL RESPOND TO GUIDE RAIL INCIDENTS IMMEDIATELY.
4. REMOVE SIGN, STORE IN A SAFE LOCATION AND RESET AFTER STAGE 4 IS COMPLETE TO ITS EXISTING LOCATION ON A NEW POST, IF SIGN IS DAMAGED DURING STORAGE PROVIDE A NEW SIGN AT NO COST TO THE OWNER.

END WORK ZONE SPEED LIMIT
R2-12



LEGEND			
	CONSTRUCTION DRUM, ITEM 619.01		INTERIM PAVEMENT MARKING, ITEM 619.10010425
	TEMPORARY POSITIVE BARRIER		STAGE 2 WORK SPACE
	DIRECTION OF TRAFFIC		COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TEMPORARY SIGN, ITEM 619.01		TYPE III BARRICADES, ITEM 619.04

ALTERED ON: _____ AFFIXED ON: 4/2/24

SIGNATURE: _____ STAMP: _____

SIGNATURE: JAMES M. CUMMINGS, PE STAMP: _____

EXP. 12/31/2026

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.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
TOWANDA, PA 517-265-8888 BINGHAMTON, NY 607-736-8081
ALBANY, NY 518-788-8881 WWW.HUNT-ENG.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22031464-1

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 2	DRAWING NUMBER: TC-7

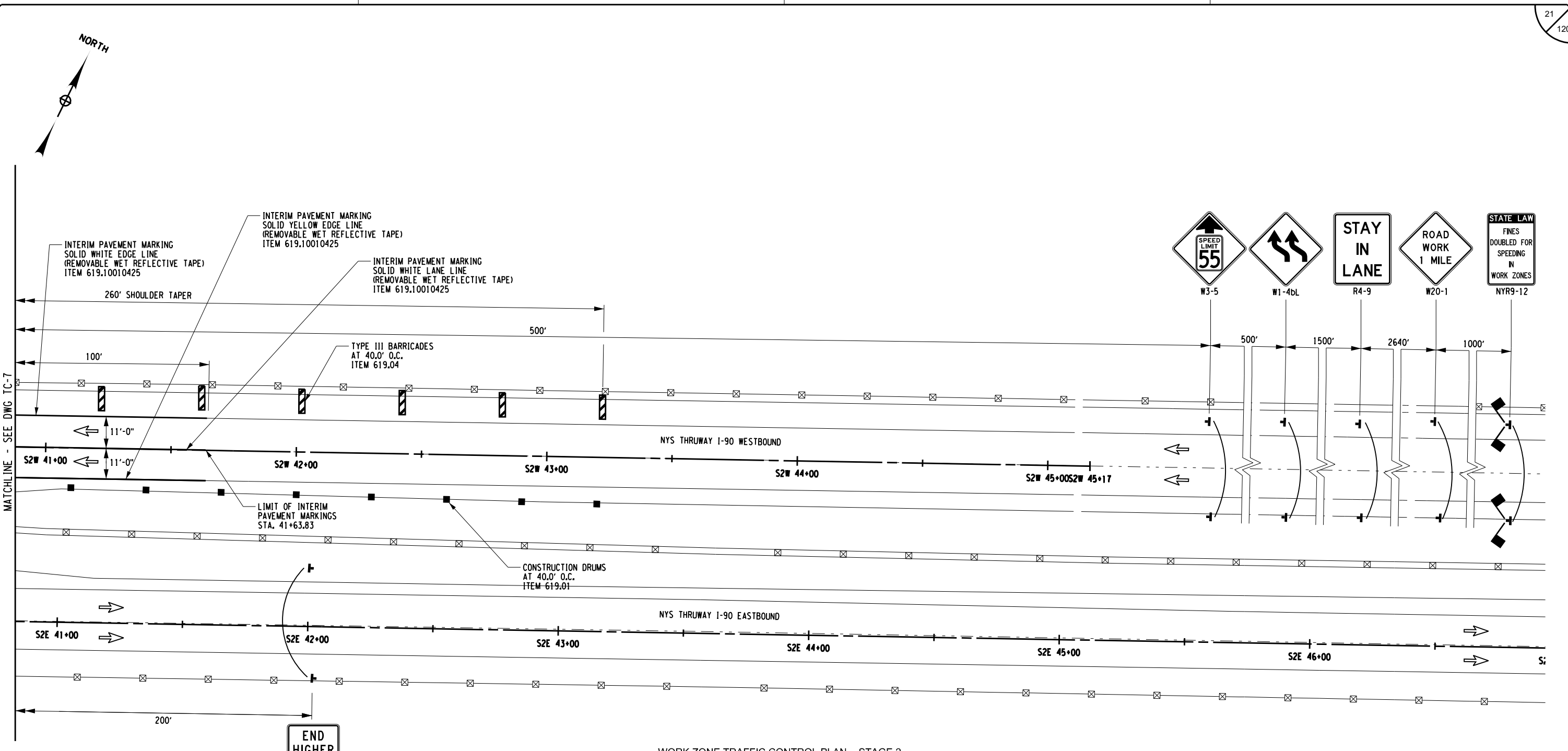
CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: RW BOUSADIER



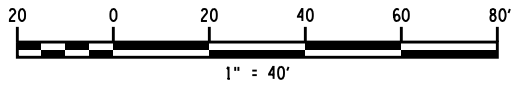
END HIGHER FINES ZONE
R2-11

WORK ZONE TRAFFIC CONTROL PLAN - STAGE 2

LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER
	DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	WARNING FLAGS (MIN. 18" X 18")
	INTERIM PAVEMENT MARKING, ITEM 619.10010425
	STAGE 2 WORK SPACE
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TYPE III BARRICADES, ITEM 619.04

NOTES:

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ALTERED ON:

AFFIXED ON: 4/2/24

SIGNATURE:
STAMP:

SIGNATURE: JAMES M. CUMMINGS, PE
STAMP:



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 238.22
TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL STAGE 2

CONTRACT NUMBER:
TAS 24-20B
DATE:
04/03/2024
DRAWING NUMBER:
TC-8

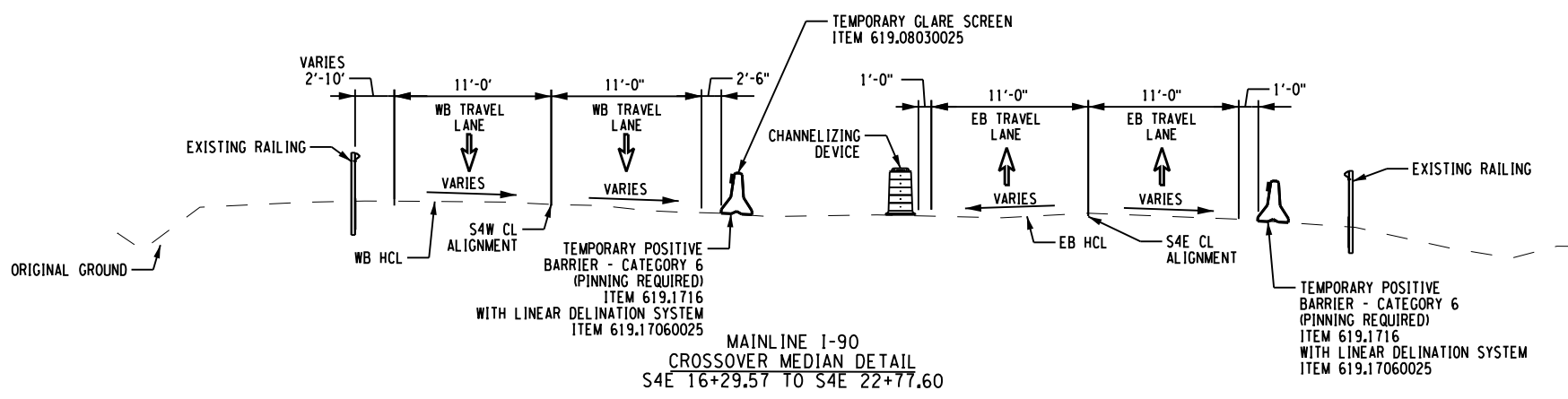
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DRAFTED BY: DG

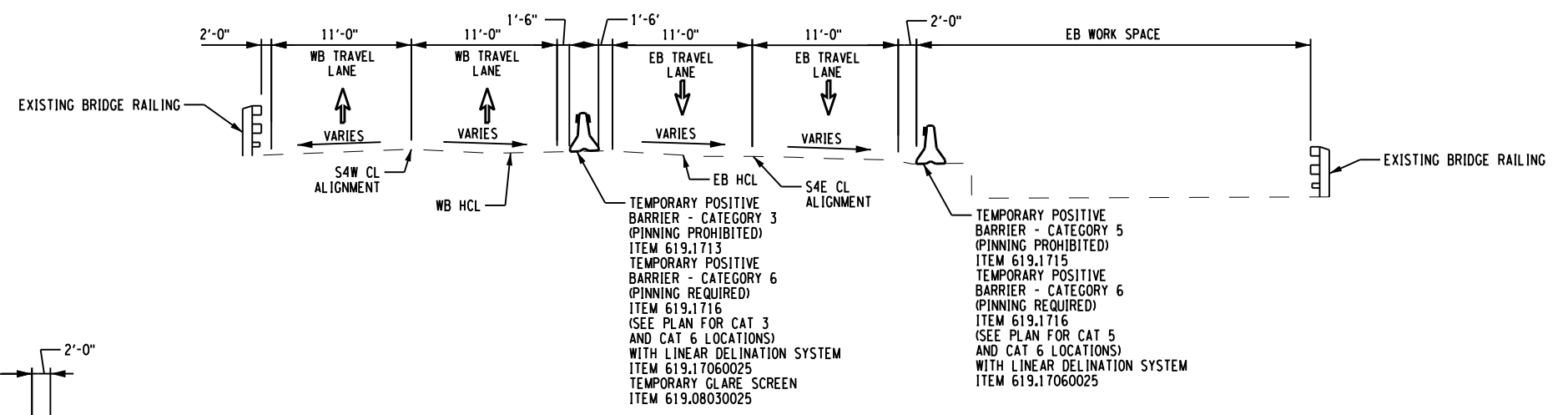
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DESIGNED BY: GM

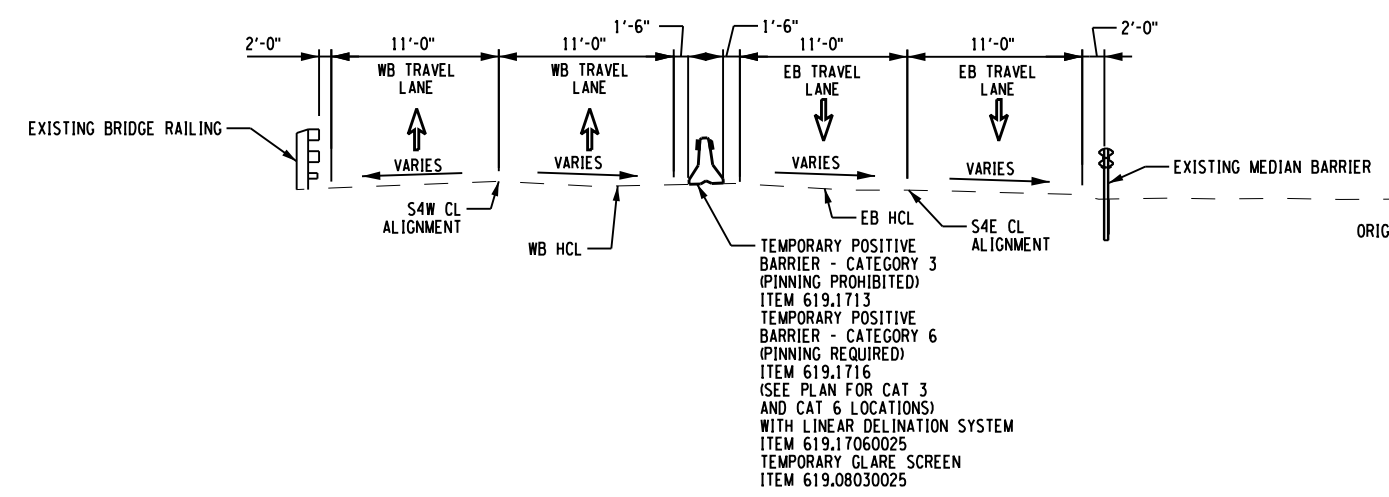
DESIGN SUPERVISOR: JWB/SADLER



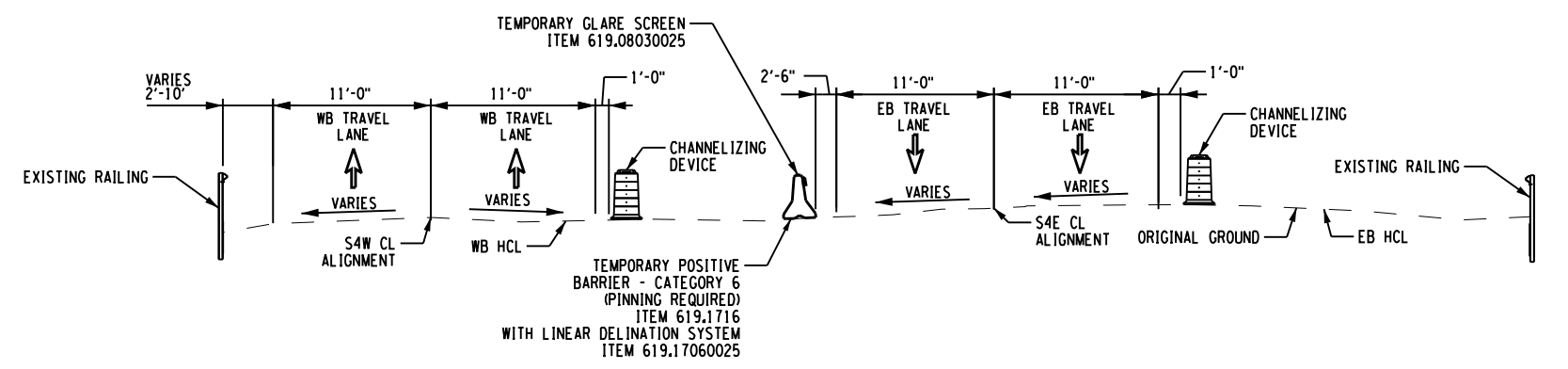
MAINLINE I-90
CROSSOVER MEDIAN DETAIL
S4E 16+29.57 TO S4E 22+77.60



MAINLINE I-90
CROSSOVER MEDIAN DETAIL
S4E 22+77.60 TO S4E 32+62.50



MAINLINE I-90
CROSSOVER MEDIAN DETAIL
S4E 32+62.50 TO S4E 38+39.83



MAINLINE I-90
CROSSOVER MEDIAN DETAIL
S4E 38+39.83 TO S4E 44+97.37

ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

STATE OF NEW YORK
JAMES M. CUMMINGS
LICENSED PROFESSIONAL ENGINEER
080958
EXP. 12/31/2026

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

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
TOWANDA, PA 517-205-4888 BINGHAMTON, NY 607-736-8081
ALBANY, NY 518-788-5991 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22031464-1

TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD

LOCATION OF PROJECT
SYRACUSE DIVISION
MP 238.22

TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL TYPICALS
STAGE 4

CONTRACT NUMBER:
TAS 24-20B

DATE:
04/03/2024

DRAWING NUMBER:
TC-9

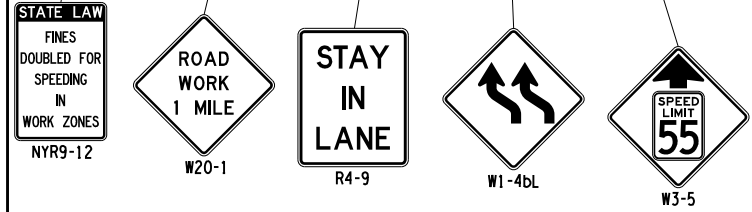
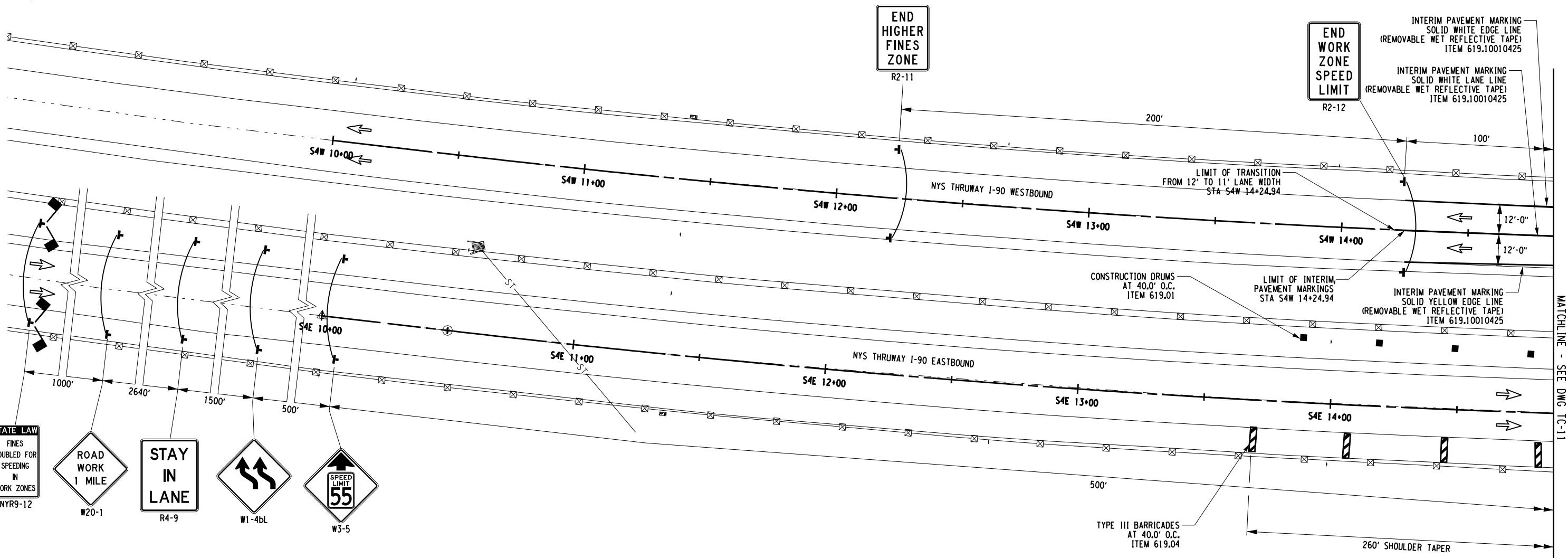
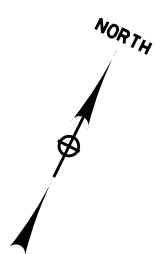
CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

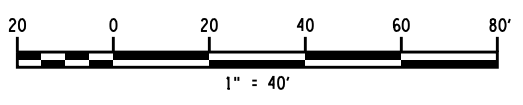
DESIGN SUPERVISOR: JWB/SADLER



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4

LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER
	DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	WARNING FLAGS (MIN. 18" X 18")
	INTERIM PAVEMENT MARKING, ITEM 619.10010425
	STAGE 4 WORK SPACE
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TYPE III BARRICADES, ITEM 619.04

- NOTES:
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ALTERED ON: _____ AFFIXED ON: 4/2/24

SIGNATURE: _____ STAMP: _____

SIGNATURE: JAMES M. CUMMINGS, PE STAMP: _____

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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22031464-1

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 4	DRAWING NUMBER: TC-10

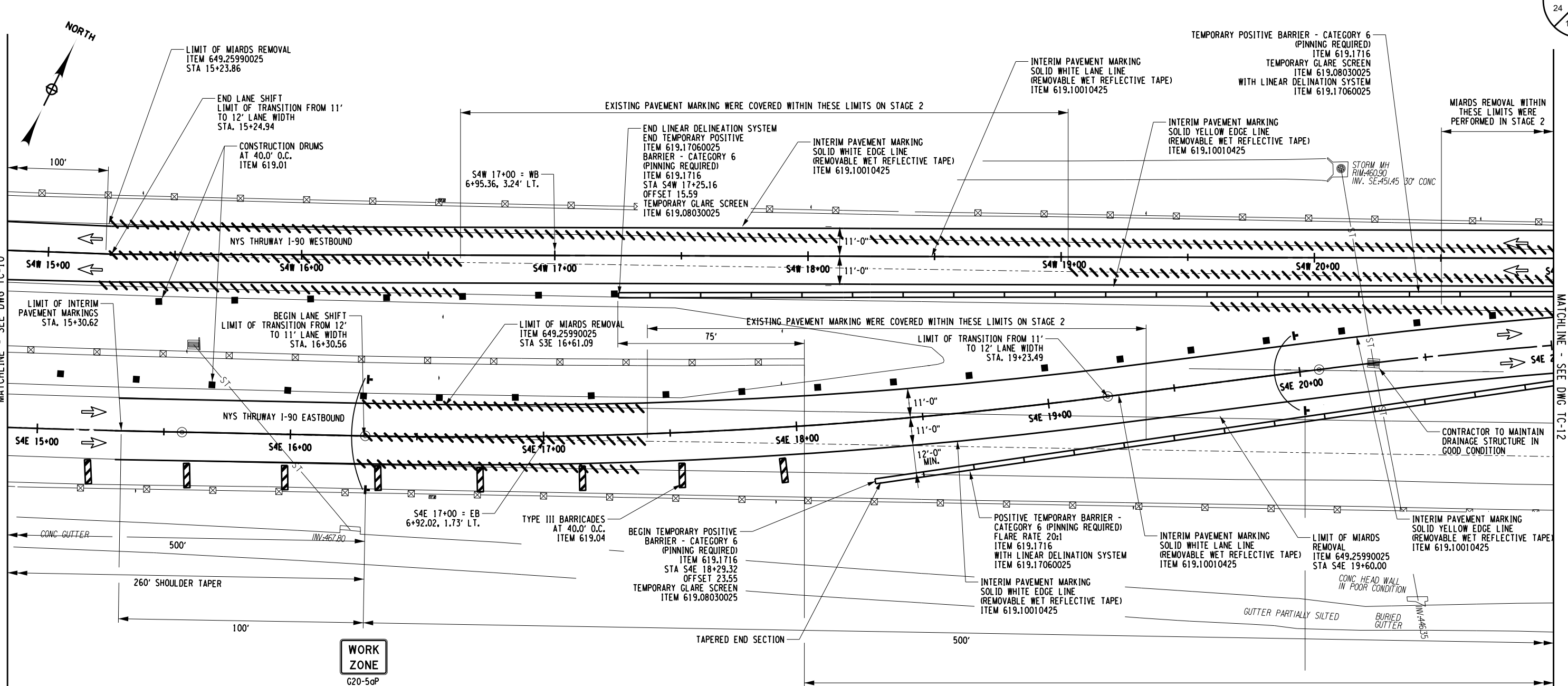
CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: RWBOUSASADER



WORK ZONE
G20-5aP

SPEED LIMIT
55
R2-1

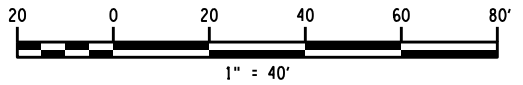
WORK ZONE
G20-5aP

SPEED LIMIT
55
R2-1

WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4

LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER
	DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	INTERIM PAVEMENT MARKING, ITEM 619.10010425
	STAGE 4 WORK SPACE
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TYPE III BARRICADES, ITEM 619.04

- NOTES:**
1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCROACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
 2. MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS) REMOVED FOR WORK ZONE TRAFFIC CONTROL ACTIVITIES SHALL BE REESTABLISHED UNDER ITEM 649.01.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GUIDE RAIL MAINTENANCE AND SHALL RESPOND TO GUIDE RAIL INCIDENTS IMMEDIATELY.



ALTERED ON: _____ AFFIXED ON: 4/2/24

SIGNATURE: _____ STAMP: _____

SIGNATURE: JAMES M. CUMMINGS, PE
STAMP: _____

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
 TOWANDA, PA 517-295-4868 BINGHAMTON, NY 607-736-8081
 ALBANY, NY 607-736-8931 WWW.HUNT-ES.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT: REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
 LOCATION OF PROJECT: SYRACUSE DIVISION MP 238.22
 TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL STAGE 4

CONTRACT NUMBER: TAS 24-20B
 DATE: 04/03/2024
 DRAWING NUMBER: TC-11

CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JMB/BOUSADIER

25
120

NORTH

PARKING LOT

MIARDS REMOVAL WITHIN THESE LIMITS WERE PERFORMED IN STAGE 2

END TEMPORARY POSITIVE BARRIER - CATEGORY 3 (PINNING PROHIBITED) ITEM 619.1713
BEGIN TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED) ITEM 619.1716 WITH LINEAR DELINATION SYSTEM ITEM 619.17060025 TEMPORARY CLARE SCREEN ITEM 619.08030025 STA. S4W 25+05.98

W1-4bR MOD SIGN TO BE MOUNTED TO TOP OF TPB

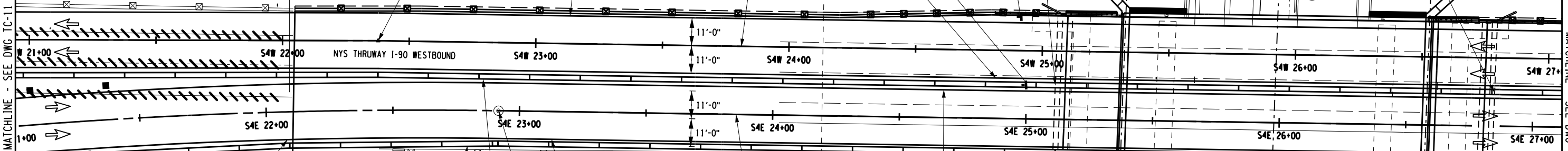
W1-4bR MOD SIGN TO BE MOUNTED TO TOP OF GUIDERAIL

END TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED) ITEM 619.1716
BEGIN TEMPORARY POSITIVE BARRIER - CATEGORY 3 (PINNING PROHIBITED) ITEM 619.1713 WITH LINEAR DELINATION SYSTEM ITEM 619.17060025 TEMPORARY CLARE SCREEN ITEM 619.08030025 STA. S4W 26+79.50

BEGIN LANE SHIFT LIMIT OF TRANSITION FROM 11' TO 12' LANE WIDTH STA. S4E 22+37.77

INTERIM PAVEMENT MARKING SOLID WHITE EDGE LINE (REMOVABLE WET REFLECTIVE TAPE) ITEM 619.10010425

INTERIM PAVEMENT MARKING SOLID WHITE LANE LINE (REMOVABLE WET REFLECTIVE TAPE) ITEM 619.10010425



BEGIN LINEAR DELINATION SYSTEM ITEM 619.17060025 STA. 22+08.14

NYS THRUWAY I-90 EASTBOUND

THE MEDIAN BARRIER WITHIN THESE LIMITS WAS REMOVED IN STAGE 2

INTERIM PAVEMENT MARKING SOLID WHITE EDGE LINE (REMOVABLE WET REFLECTIVE TAPE) ITEM 619.10010425

INTERIM PAVEMENT MARKING SOLID WHITE LANE LINE (REMOVABLE WET REFLECTIVE TAPE) ITEM 619.10010425

END TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED) ITEM 619.1715
BEGIN TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED) ITEM 619.1716 WITH LINEAR DELINATION SYSTEM ITEM 619.17060025

TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED) ITEM 619.1715 WITH LINEAR DELINATION SYSTEM ITEM 619.17060025

END LANE SHIFT STA. S4E 22+91.73
TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED) ITEM 619.1715 WITH LINEAR DELINATION SYSTEM ITEM 619.17060025 TEMPORARY CLARE SCREEN ITEM 619.08030025

INTERIM PAVEMENT MARKING SOLID YELLOW EDGE LINE (REMOVABLE WET REFLECTIVE TAPE) ITEM 619.10010425

END TEMPORARY POSITIVE BARRIER - CATEGORY 6 (PINNING REQUIRED) ITEM 619.1716
BEGIN TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED) ITEM 619.1715 WITH LINEAR DELINATION SYSTEM ITEM 619.17060025

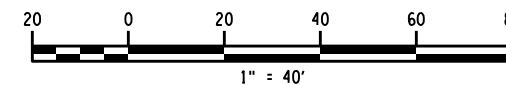
WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4

LEGEND

	CONSTRUCTION DRUM, ITEM 619.01		INTERIM PAVEMENT MARKING, ITEM 619.10010425
	TEMPORARY POSITIVE BARRIER		STAGE 4 WORK SPACE
	DIRECTION OF TRAFFIC		COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TEMPORARY SIGN, ITEM 619.01		TYPE III BARRICADES, ITEM 619.04

NOTES:

1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCR OACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
2. MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARDS) REMOVED FOR WORK ZONE TRAFFIC CONTROL ACTIVITIES SHALL BE REESTABLISHED UNDER ITEM 649.01.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GUIDE RAIL MAINTENANCE AND SHALL RESPOND TO GUIDE RAIL INCIDENTS IMMEDIATELY.



WATKINS STREET

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 4/2/24
SIGNATURE: JAMES M. CUMMINGS, PE
STAMP:



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY

Thruway Authority

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
TOWANDA, PA 517-295-4988 BINGHAMTON, NY 607-736-8081
ALBANY, NY 607-736-8931 WWW.HUNT-ENG.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313484-1

TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD

LOCATION OF PROJECT
SYRACUSE DIVISION
MP 238.22

TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL STAGE 4

CONTRACT NUMBER:
TAS 24-20B

DATE:
04/03/2024

DRAWING NUMBER:
TC-12

M.P. 238.22, BIN 5009929

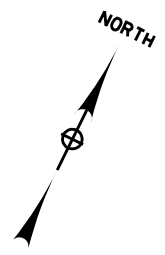
CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

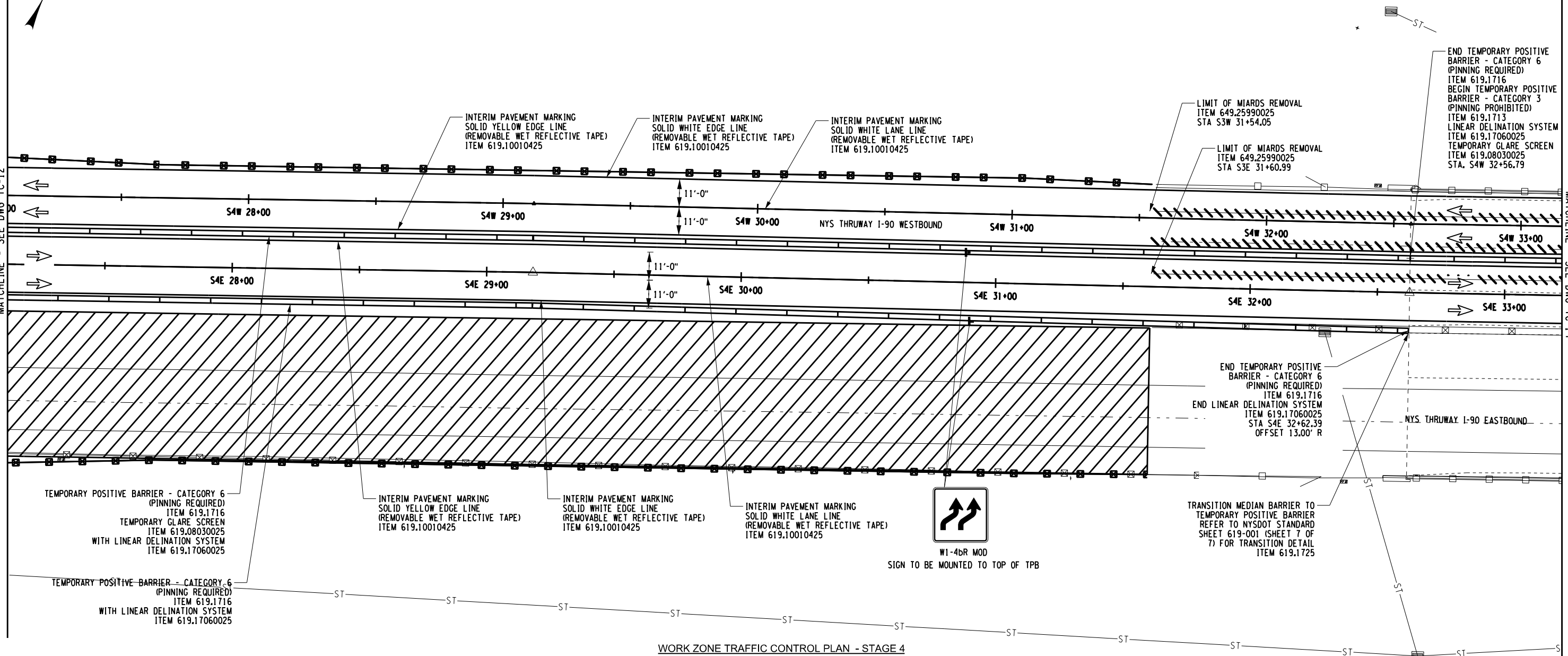
DESIGNED BY: GM

DESIGN SUPERVISOR: RW BOUSADIER



MATCHLINE - SEE DWG TC-12

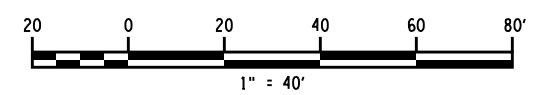
MATCHLINE - SEE DWG TC-14



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4

NOTES:

1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCR OACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
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3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GUIDE RAIL MAINTENANCE AND SHALL RESPOND TO GUIDE RAIL INCIDENTS IMMEDIATELY.



LEGEND			
	CONSTRUCTION DRUM, ITEM 619.01		INTERIM PAVEMENT MARKING, ITEM 619.10010425
	TEMPORARY POSITIVE BARRIER		STAGE 4 WORK SPACE
	DIRECTION OF TRAFFIC		COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TEMPORARY SIGN, ITEM 619.01		TYPE III BARRICADES, ITEM 619.04

ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

HUNT ENGINEERS ARCHITECTS SURVEYORS
HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
TOWANDA, PA 570-265-4988 BINGHAMTON, NY 607-736-8081
ALBANY, NY 607-738-5951 WWW.HUNT-ENG.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 238.22
TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL STAGE 4

CONTRACT NUMBER:
TAS 24-20B
DATE:
04/03/2024
DRAWING NUMBER:
TC-13

CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

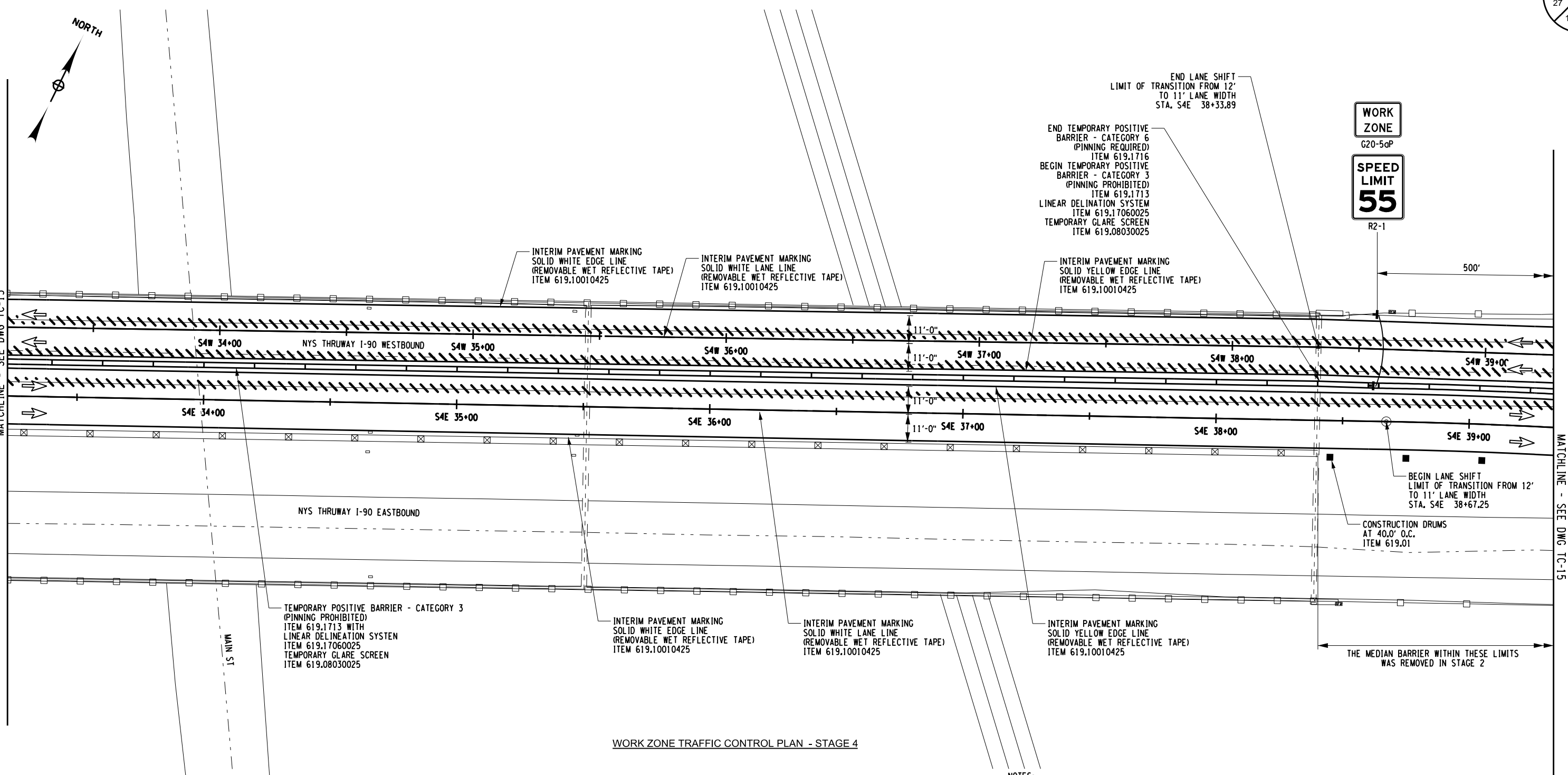
DESIGNED BY: GM

DESIGN SUPERVISOR: JWB/SAS/ADR



MATCHLINE - SEE DWG TC-13

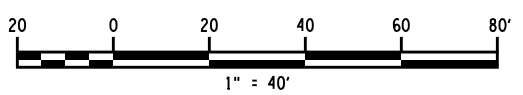
MATCHLINE - SEE DWG TC-15



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4

NOTES:

1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCR OACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
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LEGEND

	CONSTRUCTION DRUM, ITEM 619.01		INTERIM PAVEMENT MARKING, ITEM 619.10010425
	TEMPORARY POSITIVE BARRIER		STAGE 4 WORK SPACE
	DIRECTION OF TRAFFIC		COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TEMPORARY SIGN, ITEM 619.01		TYPE III BARRICADES, ITEM 619.04

ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

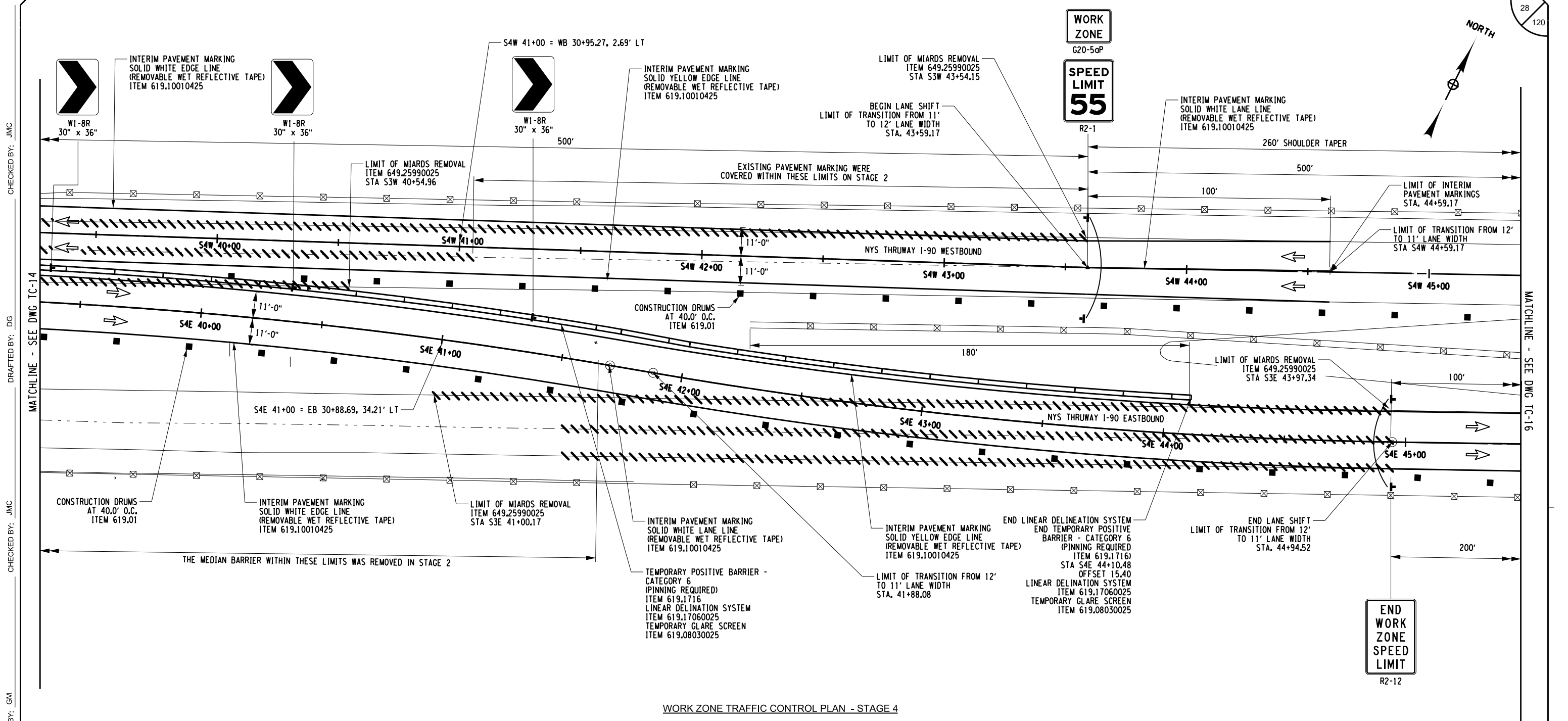
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
 TOWANDA, PA 814-285-4888 BINGHAMTON, NY 607-736-8081
 ALBANY, NY 518-788-8981 WWW.HUNT-ENG.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 4	DRAWING NUMBER: TC-14



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4

CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

ALTERED ON:

AFFIXED ON: 4/2/24

SIGNATURE:
STAMP:

SIGNATURE: JAMES M. CUMMINGS, PE
STAMP:



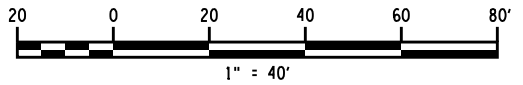
LEGEND	
■	CONSTRUCTION DRUM, ITEM 619.01
▬	TEMPORARY POSITIVE BARRIER
➔	DIRECTION OF TRAFFIC
⊥	TEMPORARY SIGN, ITEM 619.01
▬	INTERIM PAVEMENT MARKING, ITEM 619.10010425
▨	STAGE 4 WORK SPACE
▨	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
▨	TYPE III BARRICADES, ITEM 619.04

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

NOTES:

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Thruway Authority

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 TOWANDA, PA 814-285-4888 BINGHAMTON, NY 607-736-8081
 ALBANY, NY 607-738-5851 WWW.HUNT-ENG.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22031464-1

TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
 LOCATION OF PROJECT
SYRACUSE DIVISION MP 238.22
 TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL STAGE 4

CONTRACT NUMBER:
TAS 24-20B
 DATE:
04/03/2024
 DRAWING NUMBER:
TC-15

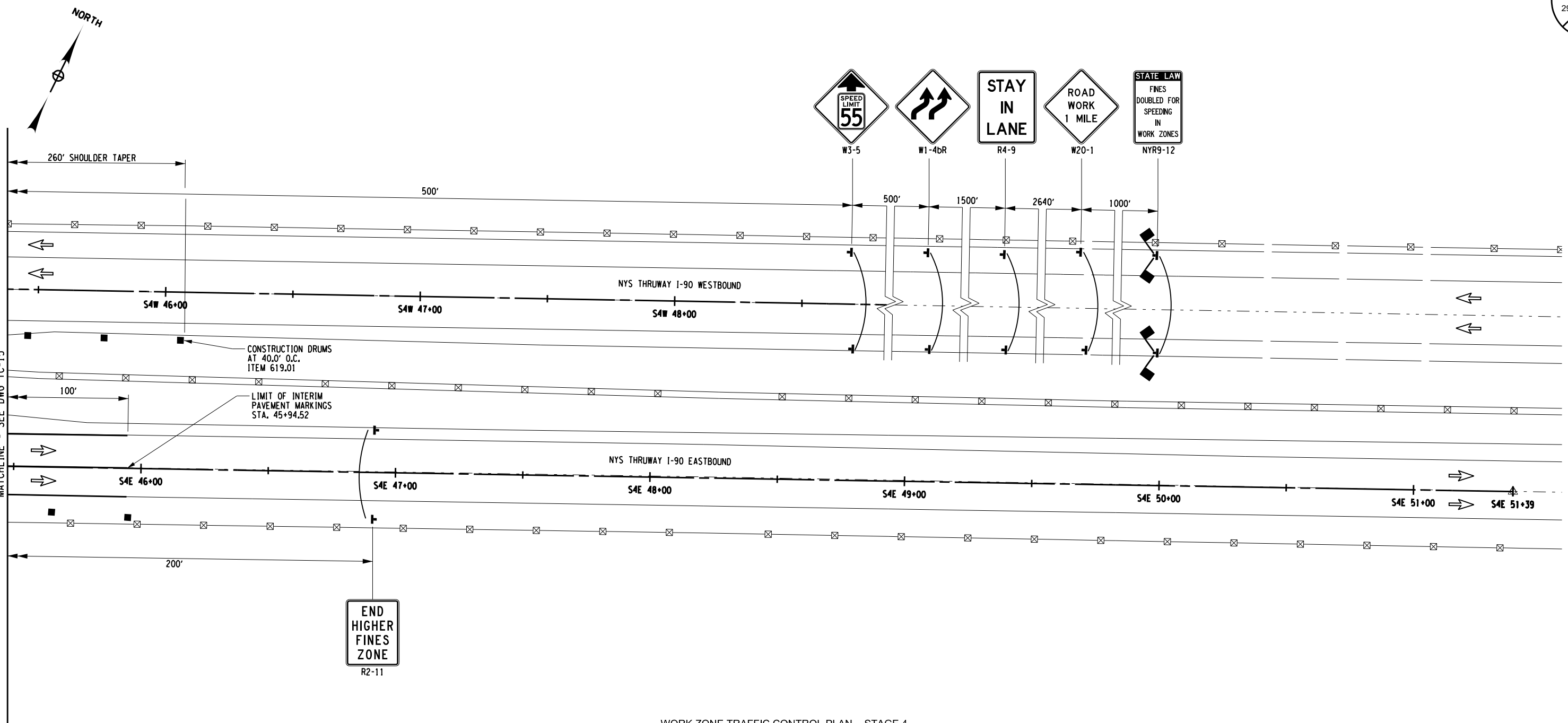
CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: RWBOUSASADER



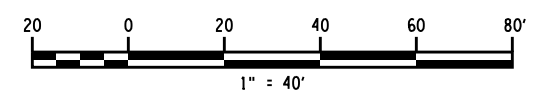
END
HIGHER
FINES
ZONE
R2-11

WORK ZONE TRAFFIC CONTROL PLAN - STAGE 4

LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER
	DIRECTION OF TRAFFIC
	TEMPORARY SIGN, ITEM 619.01
	WARNING FLAGS (MIN. 18" X 18")
	INTERIM PAVEMENT MARKING, ITEM 619.10010425
	STAGE 4 WORK SPACE
	COVER EXISTING PAVEMENT MARKINGS, ITEM 619.0803
	TYPE III BARRICADES, ITEM 619.04

NOTES:

1. WORK SPACE (MATERIAL STORAGE, EQUIPMENT, WORKERS, ETC) SHALL NOT ENCR OACH WITHIN THE DEFLECTION DISTANCE OF ADJACENT TPB AND/OR GUIDE RAILING.
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ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
 TOWANDA, PA 517-265-8888 BINGHAMTON, NY 607-736-8081
 ALBANY, NY 607-735-5951 WWW.HUNT-ENG.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 4	DRAWING NUMBER: TC-16

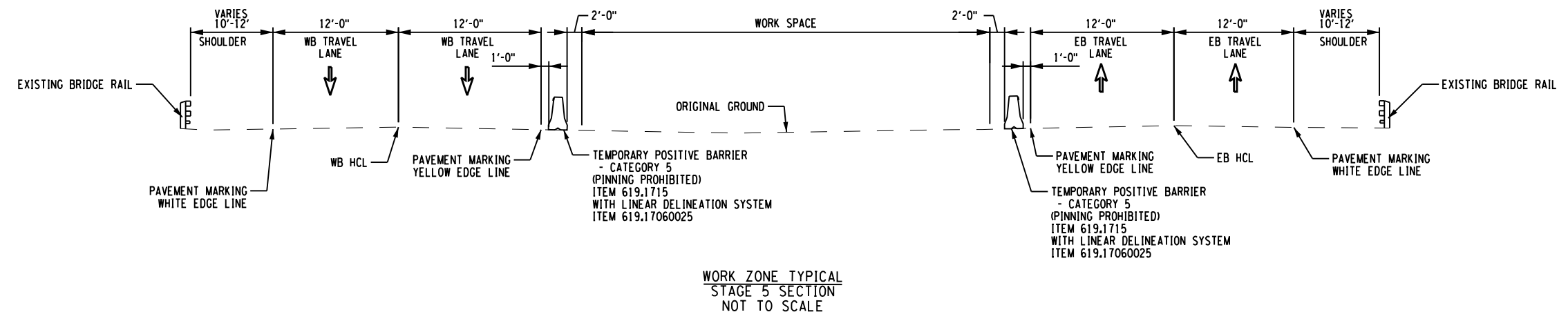
CHECKED BY: JMC

DRAFTED BY: DG


CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JMB/DOUSADIER



WORK ZONE TYPICAL
STAGE 5 SECTION
NOT TO SCALE

ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP: 

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
 TOWANDA, PA 517-265-8888 BINGHAMTON, NY 607-736-8081
 ALBANY, NY 607-738-5931 WWW.HUNT-EAS.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER
ORISKANY BOULEVARD
 LOCATION OF PROJECT
SYRACUSE DIVISION
MP 238.22
 TITLE OF DRAWING
WORK ZONE TRAFFIC
CONTROL TYPICALS
STAGE 5

CONTRACT NUMBER:
TAS 24-20B
 DATE:
04/03/2024
 DRAWING NUMBER:
TC-17

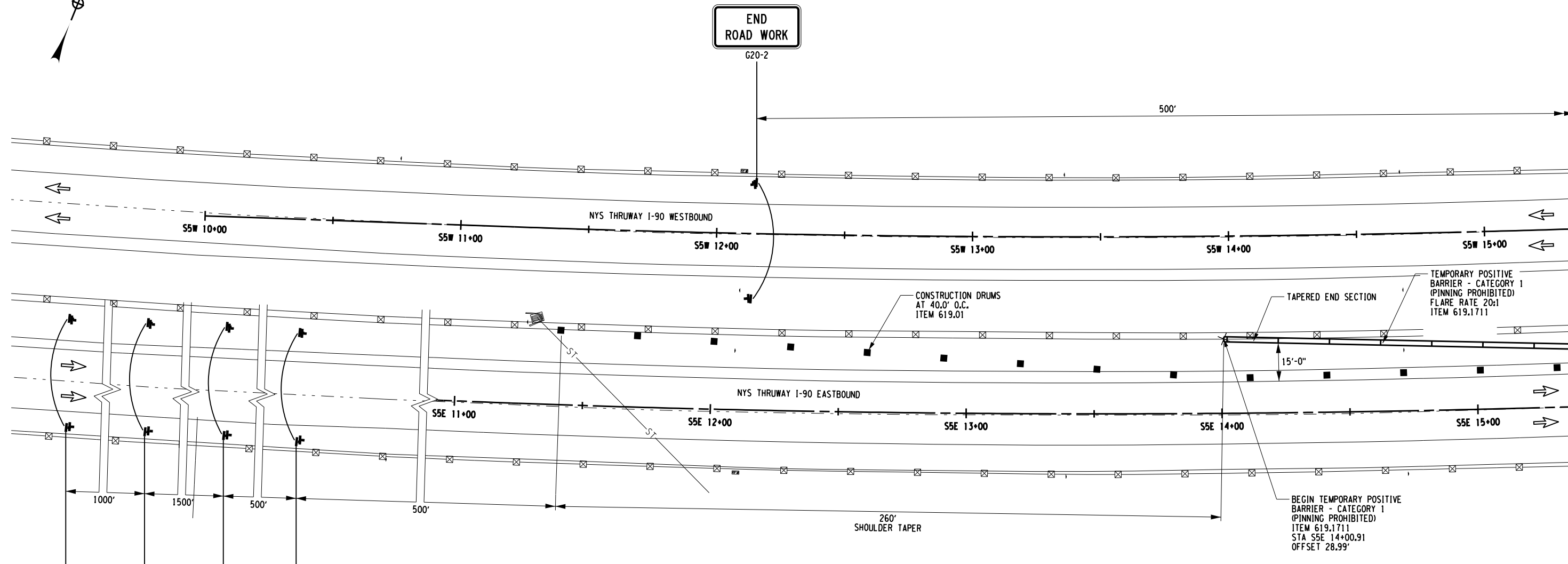
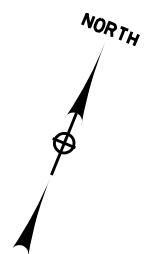
CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

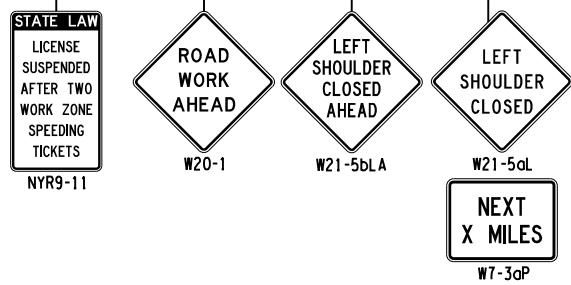
DESIGNED BY: GM

DESIGN SUPERVISOR: JWB/SAD

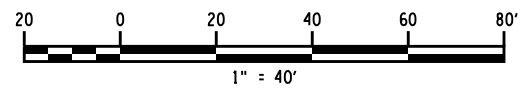


MATCHLINE - SEE DWG TC-19

WORK ZONE TRAFFIC CONTROL PLAN - STAGE 5



LEGEND			
	CONSTRUCTION DRUM, ITEM 619.01		STAGE 5 WORK SPACE
	TEMPORARY POSITIVE BARRIER		TEMPORARY SIGN, ITEM 619.01
	DIRECTION OF TRAFFIC		



ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

 Thruway Authority	TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
	LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
 HUNT ENGINEERS ARCHITECTS SURVEYORS <small>HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950 TOWANDA, PA 517-205-4888 BINGHAMTON, NY 607-798-8081 ALBANY, NY 607-798-5951 WWW.HUNT-ENG.COM NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22031464-1</small>	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 5	DRAWING NUMBER: TC-18

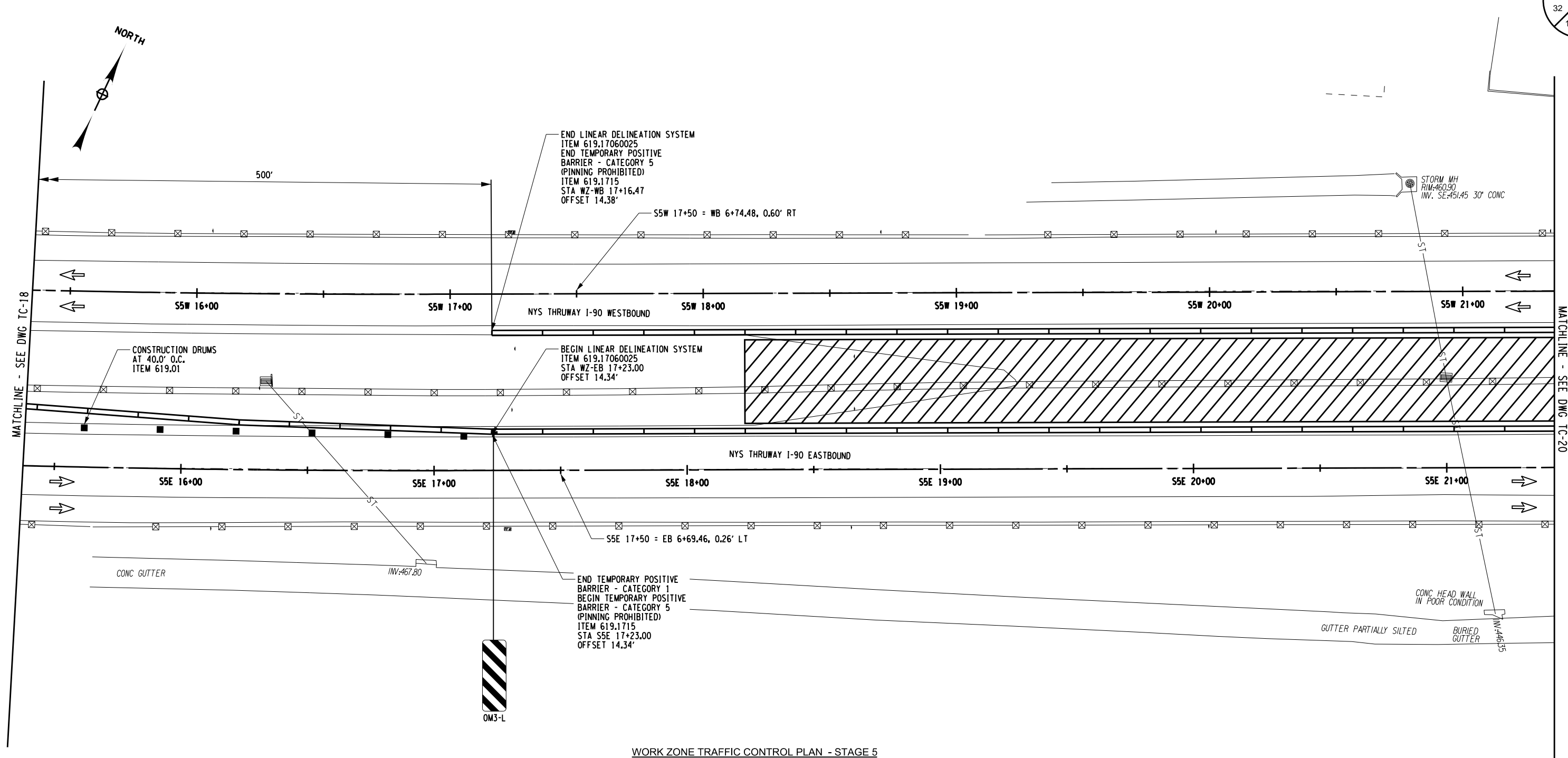
CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

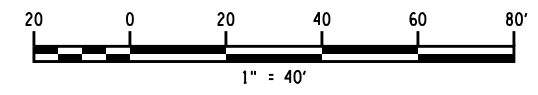
DESIGN SUPERVISOR: RWBOUSASADER



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 5

ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER
	DIRECTION OF TRAFFIC
	STAGE 5 WORK SPACE
	TEMPORARY SIGN, ITEM 619.01



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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
 TOWANDA, PA 517-265-4868 BINGHAMTON, NY 607-736-8081
 ALBANY, NY 607-738-5931 WWW.HUNT-ENG.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 5	DRAWING NUMBER: TC-19

NORTH

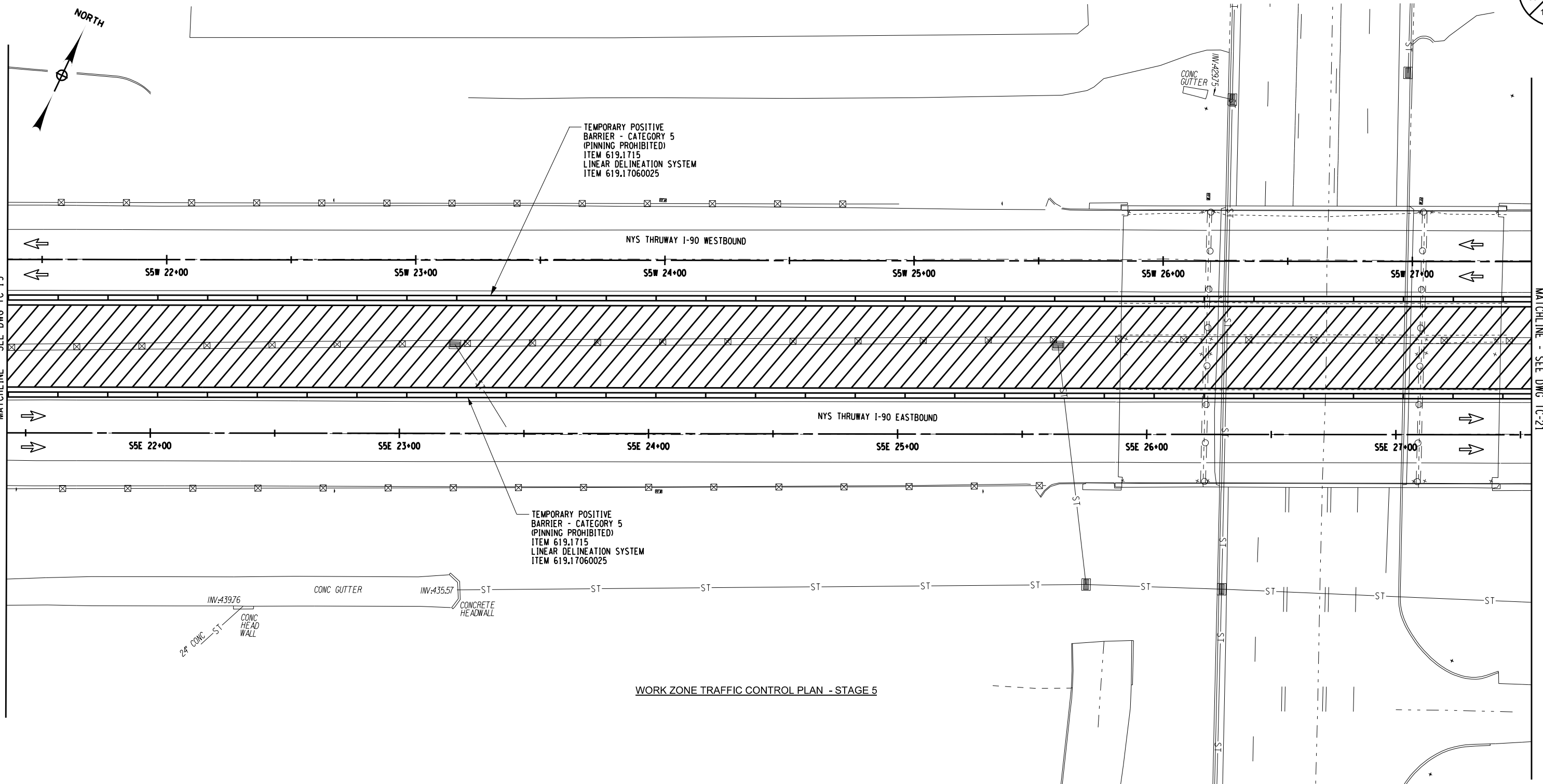
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DRAFTED BY: DG

CHECKED BY: JMC

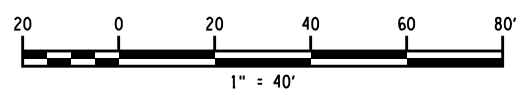
DESIGNED BY: GM

DESIGN SUPERVISOR: JWB/SAS/ADR



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 5

LEGEND			
	CONSTRUCTION DRUM, ITEM 619.01		STAGE 5 WORK SPACE
	TEMPORARY POSITIVE BARRIER		TEMPORARY SIGN, ITEM 619.01
	DIRECTION OF TRAFFIC		

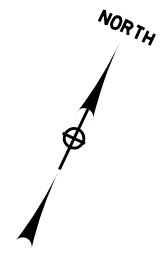


ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 5	DRAWING NUMBER: TC-20



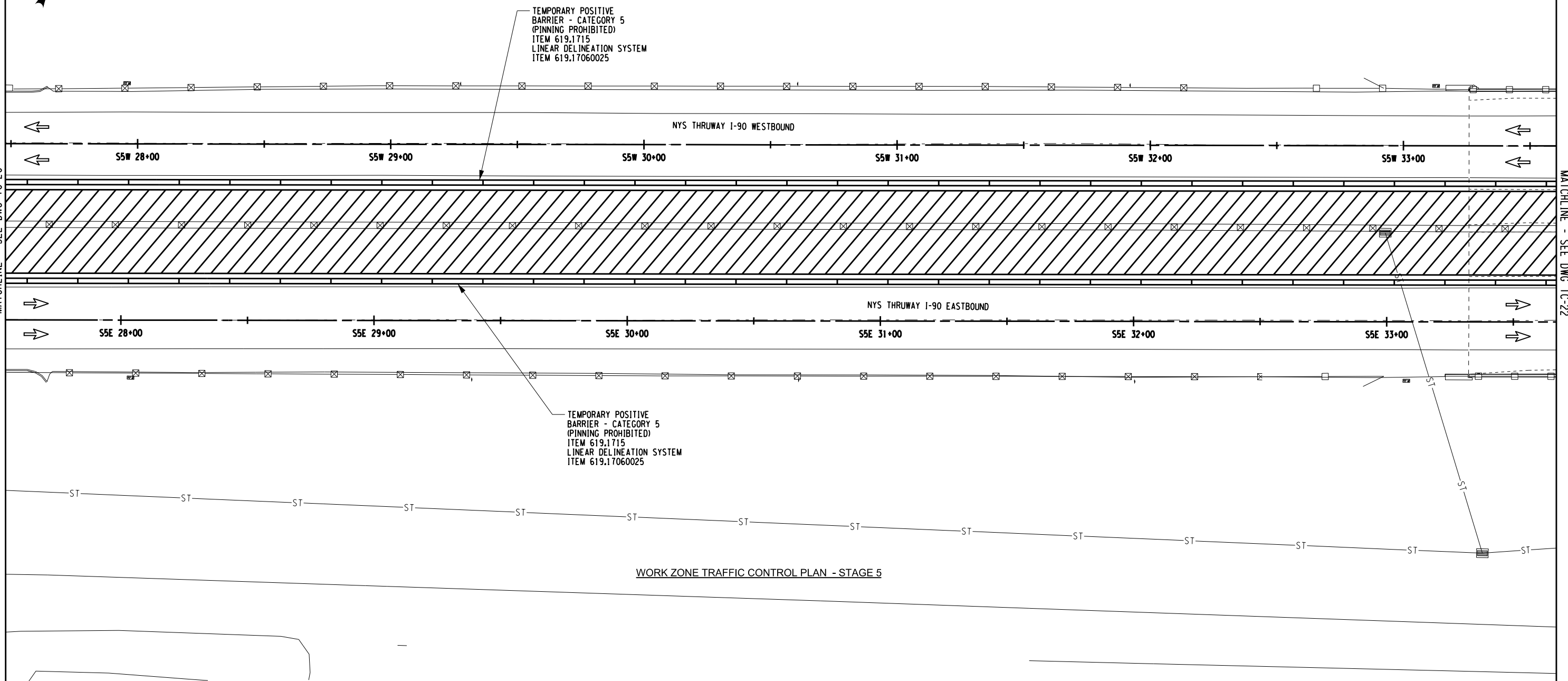
CHECKED BY: JMC

DRAFTED BY: DG
MATCHLINE - SEE DWG TC-20

CHECKED BY: JMC

DESIGNED BY: GM

MATCHLINE - SEE DWG TC-22



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 5

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 4/2/24
SIGNATURE: JAMES M. CUMMINGS, PE
STAMP:

EXP. 12/31/2026

LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER
	DIRECTION OF TRAFFIC
	STAGE 5 WORK SPACE
	TEMPORARY SIGN, ITEM 619.01

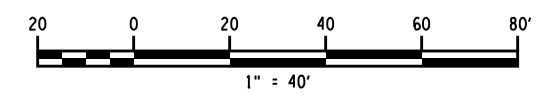
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HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
 TOWANDA, PA 517-295-4868 BINGHAMTON, NY 607-736-8081
 ALBANY, NY 607-738-5931 WWW.HUNT-ENG.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
 LOCATION OF PROJECT
SYRACUSE DIVISION MP 238.22
 TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL STAGE 5

CONTRACT NUMBER:
TAS 24-20B
 DATE:
04/03/2024
 DRAWING NUMBER:
TC-21



CHECKED BY: JMC

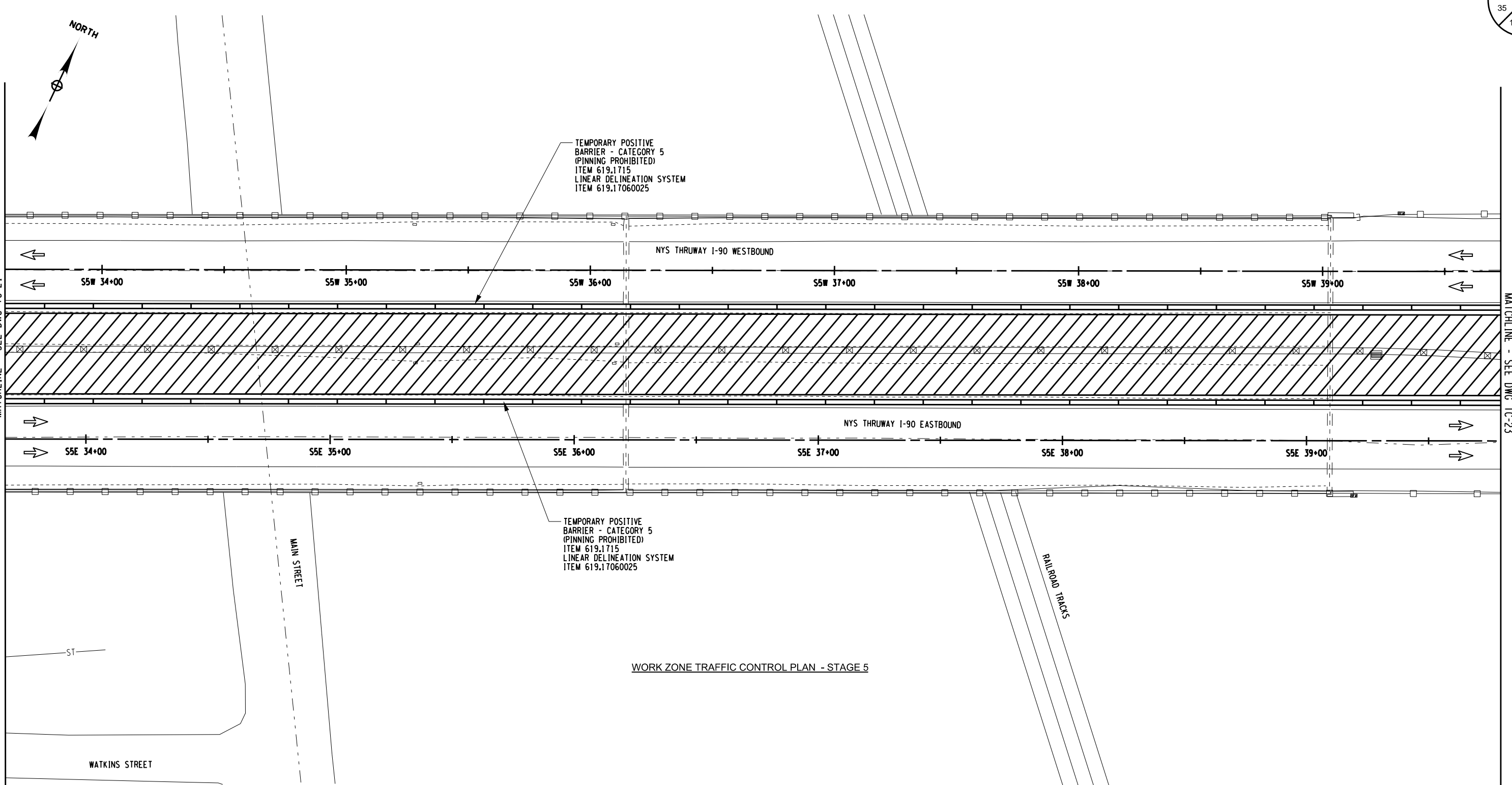
DRAFTED BY: DG
MATCHLINE - SEE DWG TC-21

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JWB/BOUSADIER

TC-15

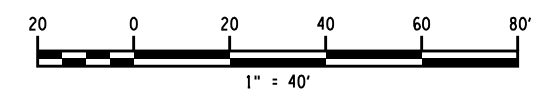


WORK ZONE TRAFFIC CONTROL PLAN - STAGE 5

TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)
ITEM 619.1715
LINEAR DELINEATION SYSTEM
ITEM 619.17060025

TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)
ITEM 619.1715
LINEAR DELINEATION SYSTEM
ITEM 619.17060025

LEGEND			
	CONSTRUCTION DRUM, ITEM 619.01		STAGE 5 WORK SPACE
	TEMPORARY POSITIVE BARRIER		TEMPORARY SIGN, ITEM 619.01
	DIRECTION OF TRAFFIC		



ALTERED ON:

AFFIXED ON: 4/2/24

SIGNATURE:
STAMP:

SIGNATURE: JAMES M. CUMMINGS, PE
STAMP:



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 238.22

CONTRACT NUMBER:
TAS 24-20B

DATE:
04/03/2024

TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL STAGE 5

DRAWING NUMBER:
TC-22

CHECKED BY: JMC

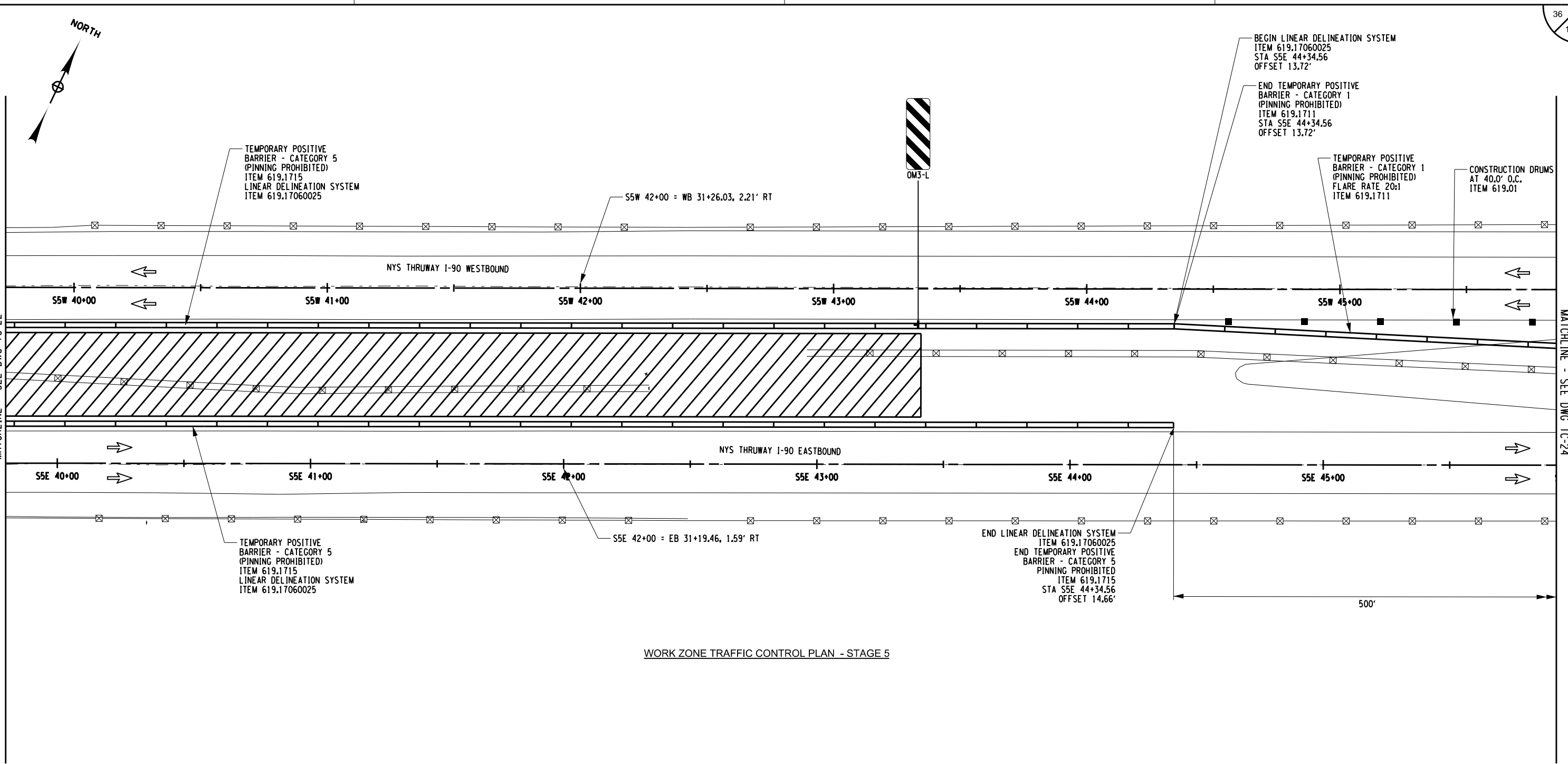
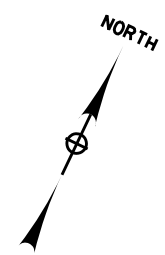
DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JMB/BOUSADIER

TC-15



WORK ZONE TRAFFIC CONTROL PLAN - STAGE 5

ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

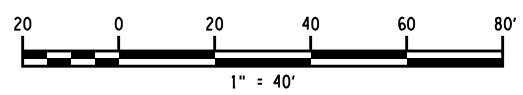
LEGEND	
	CONSTRUCTION DRUM, ITEM 619.01
	TEMPORARY POSITIVE BARRIER
	DIRECTION OF TRAFFIC
	STAGE 5 WORK SPACE
	TEMPORARY SIGN, ITEM 619.01

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 TOWANDA, PA 517-265-4868 BINGHAMTON, NY 607-736-8081
 ALBANY, NY 607-735-5951 WWW.HUNT-EAS.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22031464-1

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 5	DRAWING NUMBER: TC-23



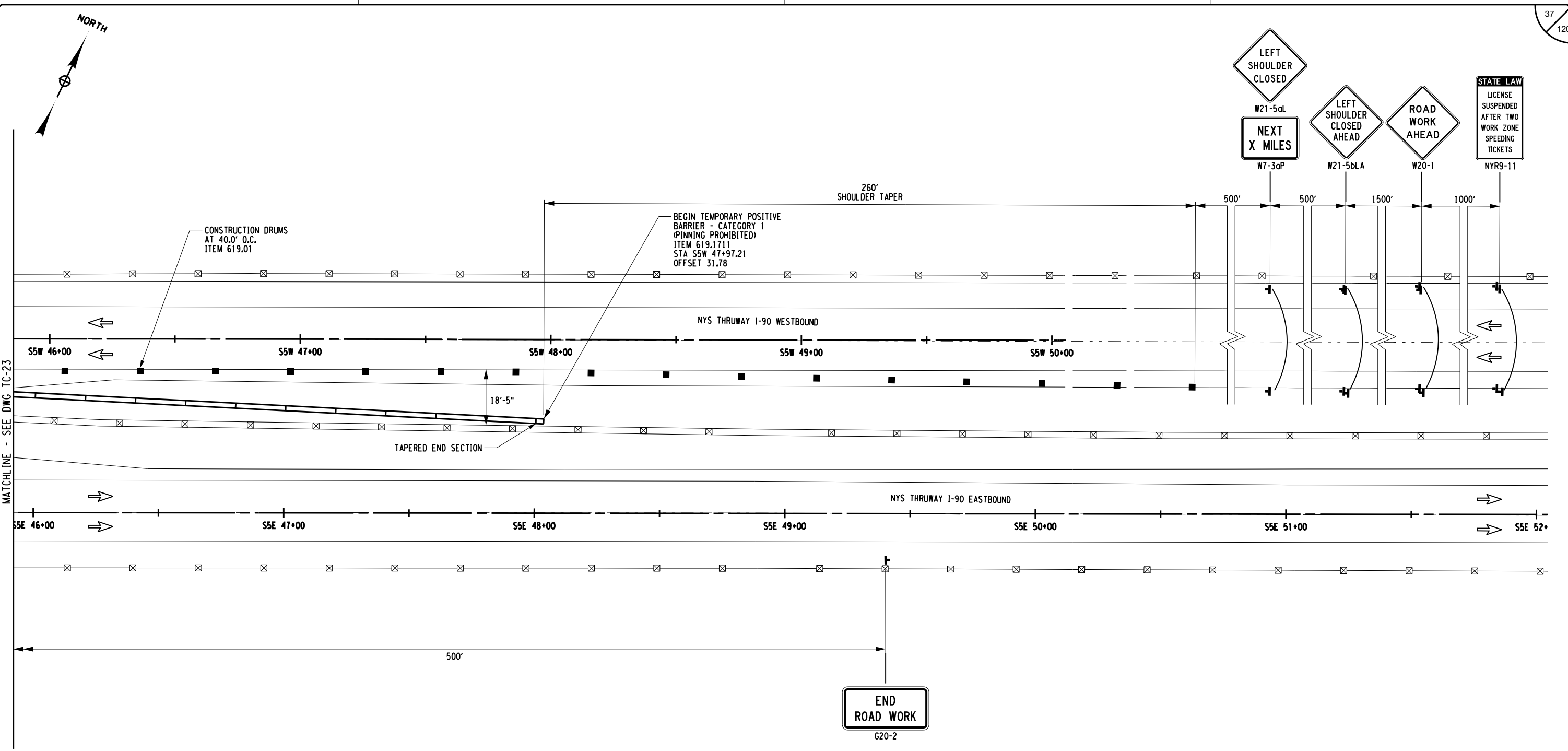
CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JWB/SAD



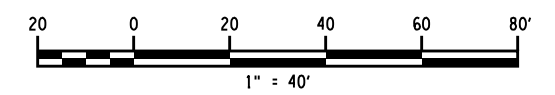
WORK ZONE TRAFFIC CONTROL PLAN - STAGE 5

ALTERED ON: _____ AFFIXED ON: 4/2/24

SIGNATURE: _____ STAMP: _____

SIGNATURE: JAMES M. CUMMINGS, PE
STAMP: _____

LEGEND	
■	CONSTRUCTION DRUM, ITEM 619.01
▨	STAGE 5 WORK SPACE
—	TEMPORARY POSITIVE BARRIER
➔	DIRECTION OF TRAFFIC
⊥	TEMPORARY SIGN, ITEM 619.01

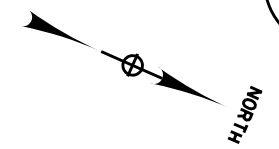


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TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL STAGE 5	DRAWING NUMBER: TC-24



LEGEND			
	BARRELS/DRUMS ITEM 619.01		PROTECTIVE VEHICLE (EITHER PVH OR PVL) ITEM 619.01
	WORK SPACE		ARROW PANEL (CAUTION MODE) ITEM 619.01
	WARNING FLAG		ARROW PANEL WITH TRAILER ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01		SPOTTER ITEM 619.01

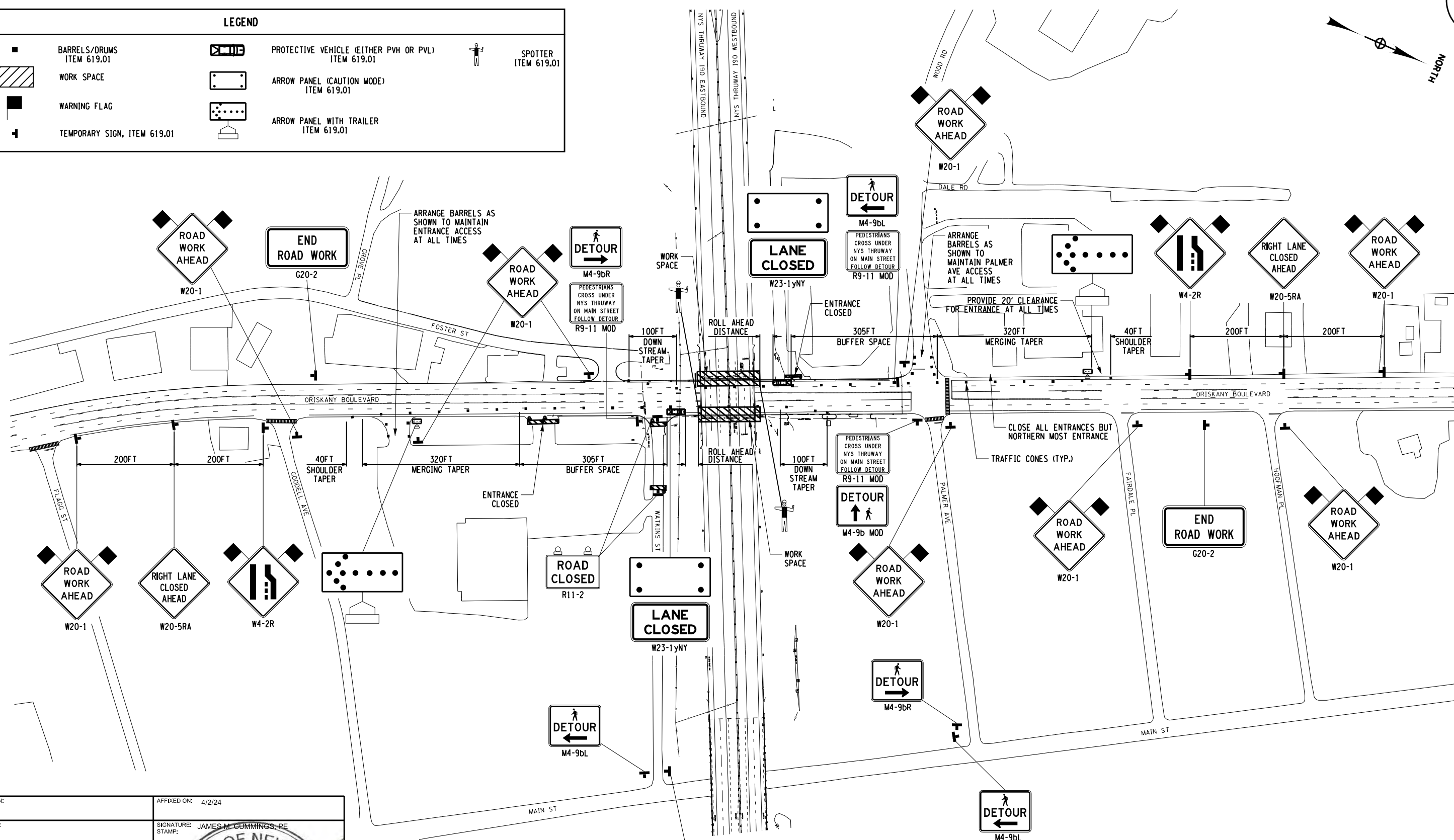
CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: RWBOUSASADER

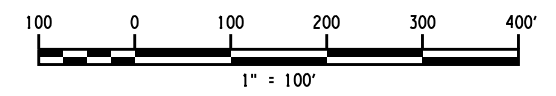


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SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NOTES:
1. USE THIS CLOSURE PLAN WHILE WORKING ON THE THRUWAY BRIDGE OVER ORISKANY BLVD.



 Thruway Authority	TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
	LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
 HUNT ENGINEERS ARCHITECTS SURVEYORS <small>HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7550 TOWANDA, PA 814-295-4868 BINGHAMTON, NY 607-736-8081 ALBANY, NY 607-736-5951 WWW.HUNT-EAS.COM NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313466-1</small>	TITLE OF DRAWING ORISKANY BLVD RIGHT LANE CLOSURE	DRAWING NUMBER: TC-25

NOTES:

1. USE THIS CLOSURE PLAN WHILE WORKING ON THE THRUWAY BRIDGE OVER ORISKANY BLVD.
2. USE THIS PLAN TO REDUCE ORISKANY BLVD TO ONE LANE BEFORE ENACTING TEMPORARY STOPPAGES (REFER TO TC-1)

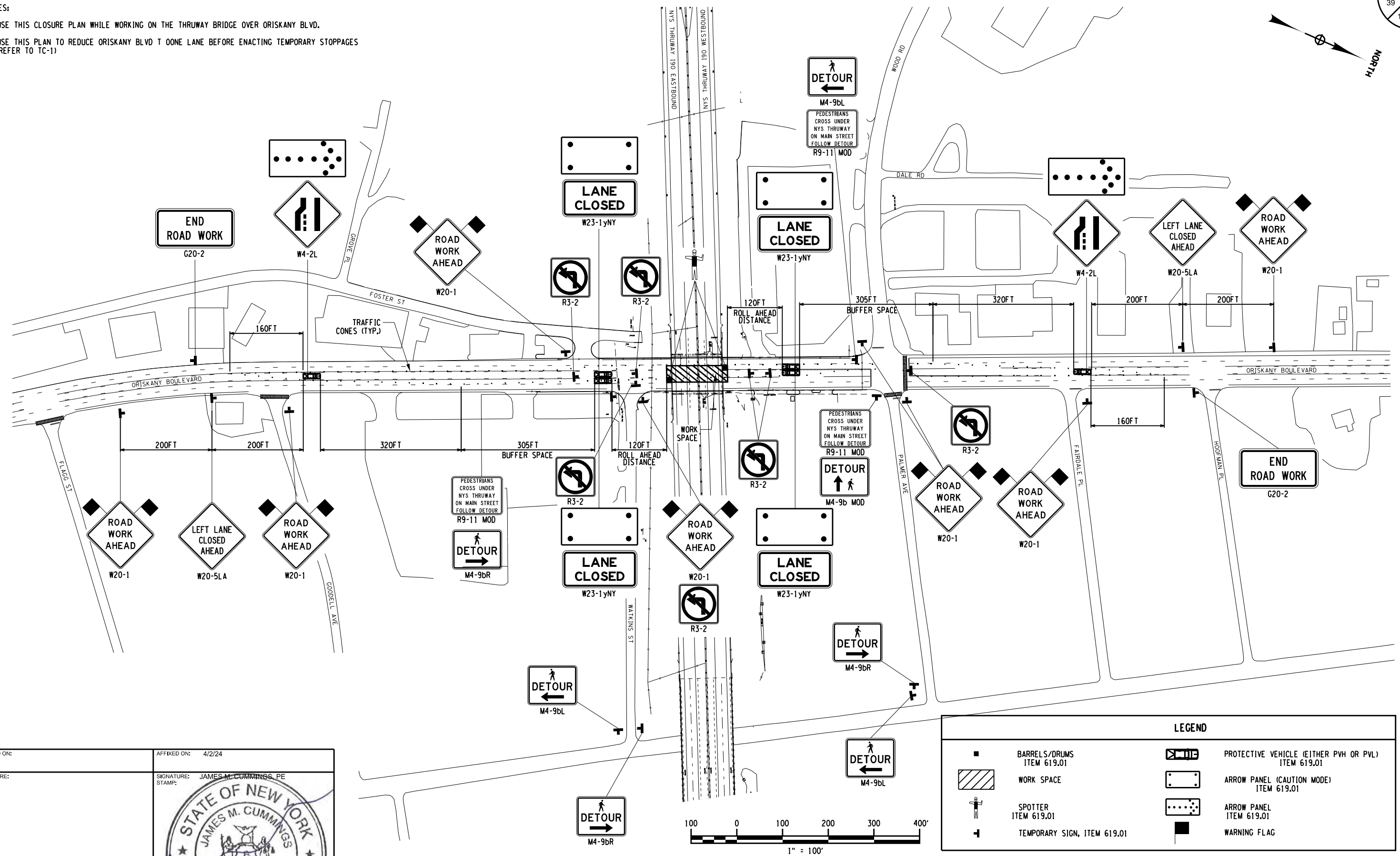
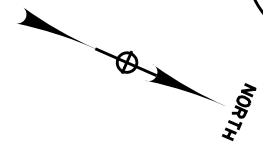
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DRAFTED BY: DG

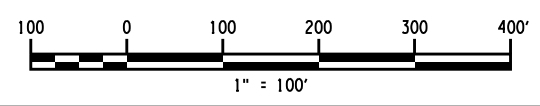
CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: JWB/SADLER



LEGEND	
	BARRELS/DRUMS ITEM 619.01
	WORK SPACE
	SPOTTER ITEM 619.01
	TEMPORARY SIGN, ITEM 619.01
	PROTECTIVE VEHICLE (EITHER PVH OR PVL) ITEM 619.01
	ARROW PANEL (CAUTION MODE) ITEM 619.01
	ARROW PANEL ITEM 619.01
	WARNING FLAG



ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority	TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
	LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
 HUNT ENGINEERS ARCHITECTS SURVEYORS	TITLE OF DRAWING ORISKANY BLVD TURNING AND LEFT LANE CLOSURE	DRAWING NUMBER: TC-26

CHECKED BY: JMC

DRAFTED BY: DG

CHECKED BY: JMC

DESIGNED BY: GM

DESIGN SUPERVISOR: RW BOUSADDER

WORK ZONE TRAFFIC CONTROL MP 238.22 STAGE 2 WB ALIGNMENT				
POINT TYPE	STATION/DISTANCE	DIRECTION	NORTHING	EASTING
POB	S2W 10+00.00 211.207	N 65°06'51.2" E	1142580.0665	1161529.9964
PC	S2W 12+11.21 Radius: 2000.000 Length: 244.304 Chord: 244.152 Tangent: 122.304	Delta: 6°59'55.6" Right DOC (Arc): 2°51'53.2" Direction: N 68°36'49.0 E Direction: N 72°06'46.8 E	1142668.9447	1161721.5927
CC			1140854.6477	1162563.2140
PT	S2W 14+55.51 132.537	N 72°06'46.8" E	1142757.9761	1161948.9330
PC	S2W 15.+88.05 Radius: 2000.000 Length: 263.219 Chord: 263.029 Tangent: 131.800	Delta: 7°32'26.4" LEFT DOC (Arc): 2°51'53.2" Direction: N 68°20'33.6 E Direction: N 64°34'20.4 E	1142798.6836	1162075.0637
CC			1144702.0119	1161460.7827
PT	S2W 18+51.27 848.183	N 64°34'20.4" E	1142895.7558	1162319.5252
PI	S2W 26+99.45 104.898	N 63°57'46.4" E	1143259.9413	1163085.5433
PI	S2W 28+04.35 579.558	N 64°37'50.5" E	1143305.9868	1163179.7956
PC	S2W 33+83.91 Radius: 2000.000 Length: 210.51 Chord: 210.413 Tangent: 105.352	Delta: 6°01'50.4" LEFT DOC (Arc): 2°51'53.2" Direction: N 61°36'55.3" E Direction: N 58°36'00.2 E	1143554.2990	1163703.4640
CC			1145361.4291	1162846.5621
PT	S2W 35+94.42 255.841	N 58°36'00.2 E	1143654.3267	1163888.5801
PC	S2W 38+50.26 Radius: 2000.000 Length: 213.569 Chord: 213.468 Tangent: 106.886	Delta: 6°07'05.9" RIGHT DOC (Arc): 2°51'53.2" Direction: N 61°39'33.1" E Direction: N 64°43'06.1 E	1143787.6221	1164106.9534
CC			1142080.5198	1165148.9714
PT	S2W 40+63.83 453.016	N 64°43'06.1" E	1143888.9586	1164294.8350
POE	S2W 45+16.84		1144082.4275	1164704.4612


WORK ZONE TRAFFIC CONTROL MP 238.22 STAGE 2 EB ALIGNMENT				
POINT TYPE	STATION/DISTANCE	DIRECTION	NORTHING	EASTING
POB	S2E 10+00.00 281.378	N 64°55'11.7" E	1142517.0385	1161561.0172
PI	S2E 12+81.38 452.454	N 65°34'52.3" E	1142636.3104	1161815.8659
PI	S2E 17+33.83 961.803	N 64°34'25.8 E	1142823.3561	1162227.8466
PI	S2E 26+95.63 105.144	N 64°34'24.6" E	1143236.3039	1163096.4883
PI	S2E 28+00.78 579.240	N 64°37'48.0" E	1143279.7636	1163192.2210
PI	S2E 33+80.02 520.000	N 63°41'31.3" E	1143527.9657	1163715.5987
PI	S2E 39+00.02 849.995	N 64°41'22.6" E	1143758.4276	1164181.7396
POE	S2E 47+50.01		1144121.8189	1164950.1394

WORK ZONE TRAFFIC CONTROL MP 238.22 STAGE 4 WB ALIGNMENT				
POINT TYPE	STATION/DISTANCE	DIRECTION	NORTHING	EASTING
POB	S4W 10+00.00 42.971	N 70°21'29.6" E	1142412.3937	1161107.4819
PC	S4W 10+42.97 Radius: 5240 Length: 412.539 Chord: 412.433 Tangent: 206.376	Delta: 4°30'39.0" LEFT DOC (Arc): 1°05'36.4" Direction: N 68°06'10.1" E Direction: N 65°50'50.6" E	1142426.8379	1161147.9525
CC			1147361.9359	1159386.5872
PT	S4W 14+55.51 69.426	N 65°50'50.6" E	1142580.6515	1161530.6301
PI	S4W 15+24.94 712.836	N 63°51'28.5" E	1142609.0585	1161593.9785
PI	S4W 2237.77 674.338	N 64°34'40.2" E	1142923.1333	1162233.8946
PI	S4W 29+12.11 344.678	N 65°01'10.3" E	1143212.6164	1162842.9362
PI	S4W 32+56.79 577.103	N 64°33'52.9" E	1143358.1772	1163155.3703
PI	S4W 38+33.89 525.276	N 65°36'29.0" E	1143606.0380	1163676.5351
PI	S4W 43+59.17 771.466	N 64°42'50.7" E	1143822.9644	1164154.9254
POE	S4W 51+30.62		1144152.4499	1164852.4800

WORK ZONE TRAFFIC CONTROL MP 238.22 STAGE 4 EB ALIGNMENT				
POINT TYPE	STATION/DISTANCE	DIRECTION	NORTHING	EASTING
POB	S4E 10+00.00 49.97	N 70°20'39.1" E	1142348.38	1161134.24
PC	S4E 10+49.97 Radius: 5300 Length: 507.178 Chord: 506.984 Tangent: 253.782	Delta: 5°26'58.3" LEFT DOC (Arc): 1°04'51.8" Direction: N 67°36'09.9" E Direction: N 64°51'40.8" E	1142365.19	1161181.30
CC			1147356.36	1159398.54
PT	S4E 15+57.15 72.423	N 64°51'40.8" E	1142558.37	1161650.04
PC	S4E 16+29.57 Radius: 2000 Length: 293.949 Chord: 293.884 Tangent: 147.239	Delta: 8°26'15.6" LEFT DOC (Arc): 2°51'53.2" Direction: N 60°39'03.0" E Direction: N 56°26'25.2" E	1142589.13	1161715.60
CC			1144399.70	1160865.98
PT	S4E 19+23.52 84.155	N 56°26'25.2" E	1142733.08	1161971.59
PC	S4E 20+07.67 Radius: 2000 Length: 284.052 Chord: 283.814 Tangent: 142.265	Delta: 8°08'15.0" RIGHT DOC (Arc): 2°51'53.2" Direction: N 60°30'32.7" E Direction: N 64°34'40.2" E	1142779.60	1162041.72
CC			1141112.98	1163147.33
PT	S4E 22+91.73 626.428	N 64°34'40.2" E	1142919.31	1162288.76
PI	S4E 29+18.15 344.47	N 65°01'10.8" E	1143188.23	1162854.53
PI	S4E 32+62.62 604.627	N 64°45'23.3" E	1143333.70	1163166.77
PC	S4E 38+67.25 Radius: 2000 Length: 302.755 Chord: 302.466 Tangent: 151.667	Delta: 8°40'23.9" RIGHT DOC (Arc): 2°51'53.2" Direction: N 69°05'35.2" E Direction: N 73°25'47.2" E	1143591.56	1163713.66
CC			1141782.55	1164566.59
PT	S4E 41+70.01 18.07	N 73°25'47.2" E	1143699.49	1163996.21
PC	S4E 41+88.08 Radius: 2000 Length: 306.439 Chord: 306.139 Tangent: 153.520	Delta: 8°46'43.8" LEFT DOC (Arc): 2°51'53.2" Direction: N 69°02'25.3" E Direction: N 64°39'03.4" E	1143704.64	1164013.53
CC			1145621.59	1163443.15
PT	S4E 44+94.52 644.566	N 64°39'03.4" E	1143814.15	1164299.41
POE	S4E 51+39.08		1144090.11	1164881.92


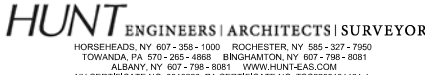
WORK ZONE TRAFFIC CONTROL MP 238.22 STAGE 5 EB ALIGNMENT				
POINT TYPE	STATION/DISTANCE	DIRECTION	NORTHING	EASTING
POB	S5E 10+00.00 59.620	N 70°36'09.7" E	1142324.7043	1161065.5665
PC	S5E 10+59.62 Radius: 6250 Length: 652.505 Chord: 652.209 Tangent: 326.549	Delta: 5°58'54.2 LEFT DOC (Arc): 0°55'00.2" Direction: N 67°36.42.6" E Direction: N 64°37'15.5" E	1142344.5050	1161121.8021
CC			1148239.7444	1159046.0729
PT	S5E 17+12.12 3509.858	N 64°37'15.5" E	1142592.9177	1161724.8503
POE	S5E 52+21.98		1144097.2583	1164895.980

WORK ZONE TRAFFIC CONTROL MP 238.22 STAGE 5 WB ALIGNMENT				
POINT TYPE	STATION/DISTANCE	DIRECTION	NORTHING	EASTING
POB	S5W 10+00.00 120.990	N 69°57'51.2 E	1142388.3853	1161042.4052
PC	S5W 11+20.99 Radius: 6150 Length: 572.724 Chord: 572.517 Tangent: 286.569	Delta: 5°20'08.6" LEFT DOC (Arc): 0°55'53.9" Direction: N 67°17'46.9" E Direction: N 64°37'42.6" E	1142429.8374	1161156.0731
CC			1148207.6323	1159049.0404
PT	S5W 16+93.71 3515.433	N 64°37'42.6" E	1142650.8090	1161684.2282
POE	S5W 52+09.15		1144157.1223	1164860.5927

ALTERED ON:	AFFIXED ON: 4/2/24
SIGNATURE: STAMP:	SIGNATURE: JAMES M. CUMMINGS, PE STAMP: 

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

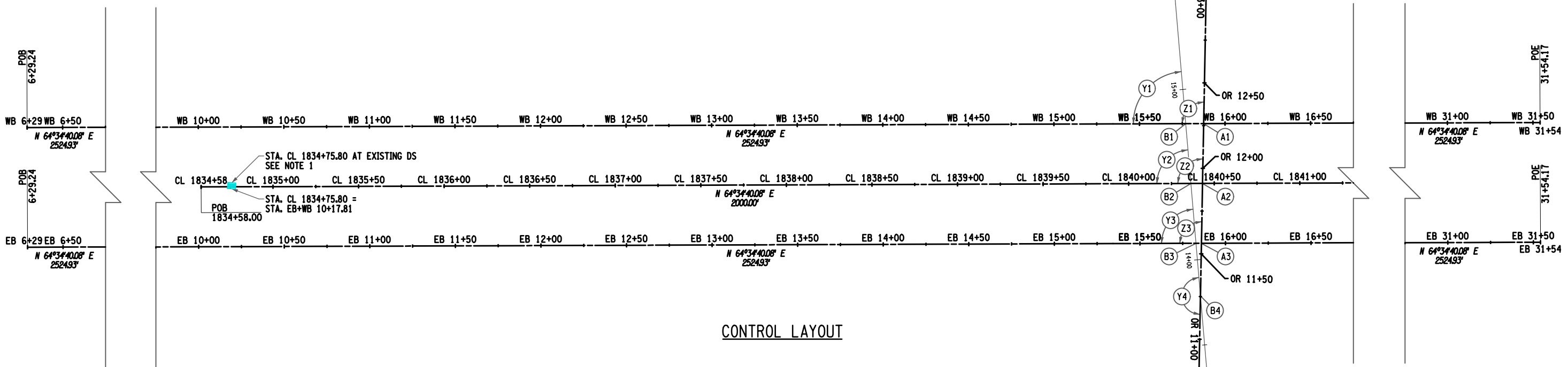
 Thruway Authority	TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
	LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ALIGNMENT TABLES ORISKANY BLVD	DRAWING NUMBER: TC-27

I-90 EASTBOUND ALIGNMENT	
P.O.B. STA. EB 6+29.24	N = 1,142,591.66 E = 1,161,722.86
P.O.E. STA. EB 31+54.17	N = 1,143,675.57 E = 1,164,003.29

I-90 WESTBOUND ALIGNMENT	
P.O.B. STA. WB 6+29.24	N = 1,142,654.88 E = 1,161,692.81
P.O.E. STA. WB 31+54.17	N = 1,143,738.79 E = 1,163,973.24

I-90 CENTERLINE ALIGNMENT	
P.O.B. STA. CL 1834+58.00	N = 1,142,783.09 E = 1,162,044.09
P.O.E. STA. CL 1854+58.00	N = 1,143,641.66 E = 1,163,850.43

ORISKANY CENTERLINE ALIGNMENT	
P.O.B. STA. CL 10+00.00	N = 1,142,859.84 E = 1,162,650.77
P.O.E. STA. CL 14+00.00	N = 1,143,224.85 E = 1,162,487.16



STA. CL 1834+75.80 AT EXISTING DS
SEE NOTE 1

STA. CL 1834+75.80 =
STA. EB+WB 10+17.81

CONTROL LAYOUT

- NOTE:**
- EQUALITY STATION AT DS DETERMINED THROUGH RECORD PLAN TITLED "NEW YORK STATE THRUWAY: THE MOHAWK SECTION, SUBDIVISION 8, WHITESBORO-UTICA WEST CITY LINE, ONEIDA CO." PG. 27 AND IS TO BE USED FOR REFERENCE PURPOSES ONLY.
 - ALIGNMENT "OR" REPRESENTS AN APPROXIMATE CENTERLINE OF ORISKANY BOULEVARD BASED ON AVERAGED DISTANCES BETWEEN CURB LINES AND IS TO BE USED FOR REFERENCE PURPOSES ONLY.

INTERSECTION TABLE		
ID	STATION 1	STATION 2
A1	WB 15+87.48	OR 12+26.18
A2	CL 1840+43.15	OR 11+91.17
A3	EB 15+85.92	OR 11+56.16
B1	BL 14+79.89	WB 15+76.99
B2	BL 14+44.77	CL 1840+36.30
B3	BL 14+09.66	EB 15+82.72
B4	BL 13+78.81	OR 11+25.41

SKEW TABLE			
ID	FROM	TO	ANGLE
Y1	WB	BL	85° 19' 15.0"
Y2	CL	BL	85° 19' 15.0"
Y3	EB	BL	85° 19' 15.0"
Y4	OR	BL	174° 2' 33.1"
Z1	WB	OR	91° 16' 41.9"
Z2	CL	OR	91° 16' 41.9"
Z3	EB	OR	91° 16' 41.9"

ALTERED ON: _____ AFFIXED ON: **04/18/2024**

SIGNATURE: _____ STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYL

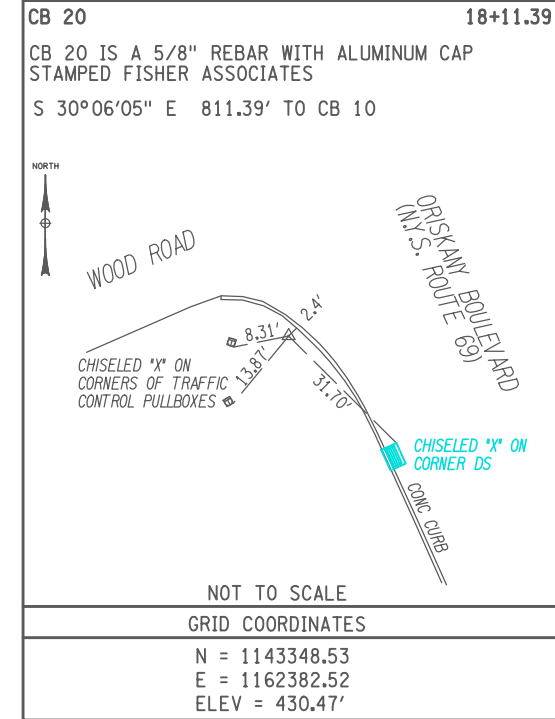
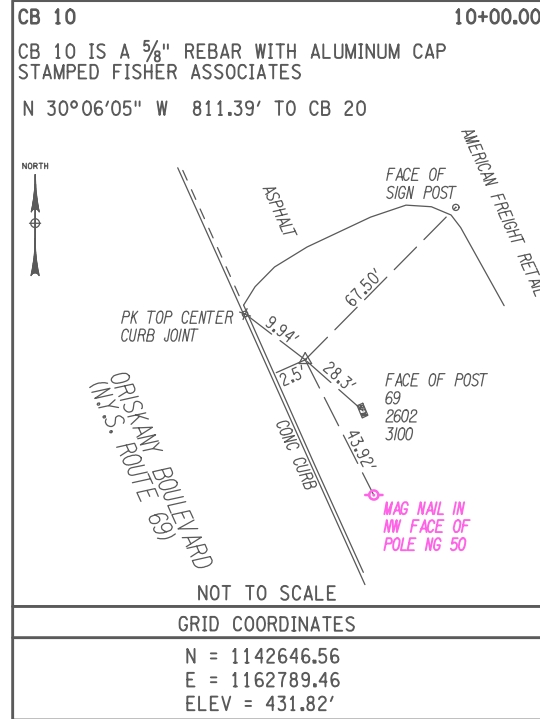
Thruway Authority

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-XXB
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING SURVEY CONTROL PLAN	DRAWING NUMBER: SCP-01

M.P. 238.22, BIN 5009929

DESIGNED BY: E. BAXTER
CHECKED BY: H. RESSEL
DRAFTED BY: D. GURMAN
CHECKED BY: H. RESSEL

CHECKED BY: H. RESSEL
DRAFTED BY: D. GURMAN
CHECKED BY: H. RESSEL
DESIGNED BY: E. BAXTER
DESIGN SUPERVISOR: D. LEVINE



BENCH MARK TABLE

BENCHMARK NO.	ELEVATION	DESCRIPTION
1	431.01'	CHISELED "X" ON THE SOUTHERLY CORNER OF A TRAFFIC CONTROL PULL BOX, EAST SIDE OF ORISKANY BLVD, NORTH OF THE THRUWAY
2	430.35'	CHISELED "X" ON THE NORTHWESTERLY RIM OF WATER MANHOLE, EAST SIDE OF ORISKANY BLVD, SOUTH OF THE THRUWAY

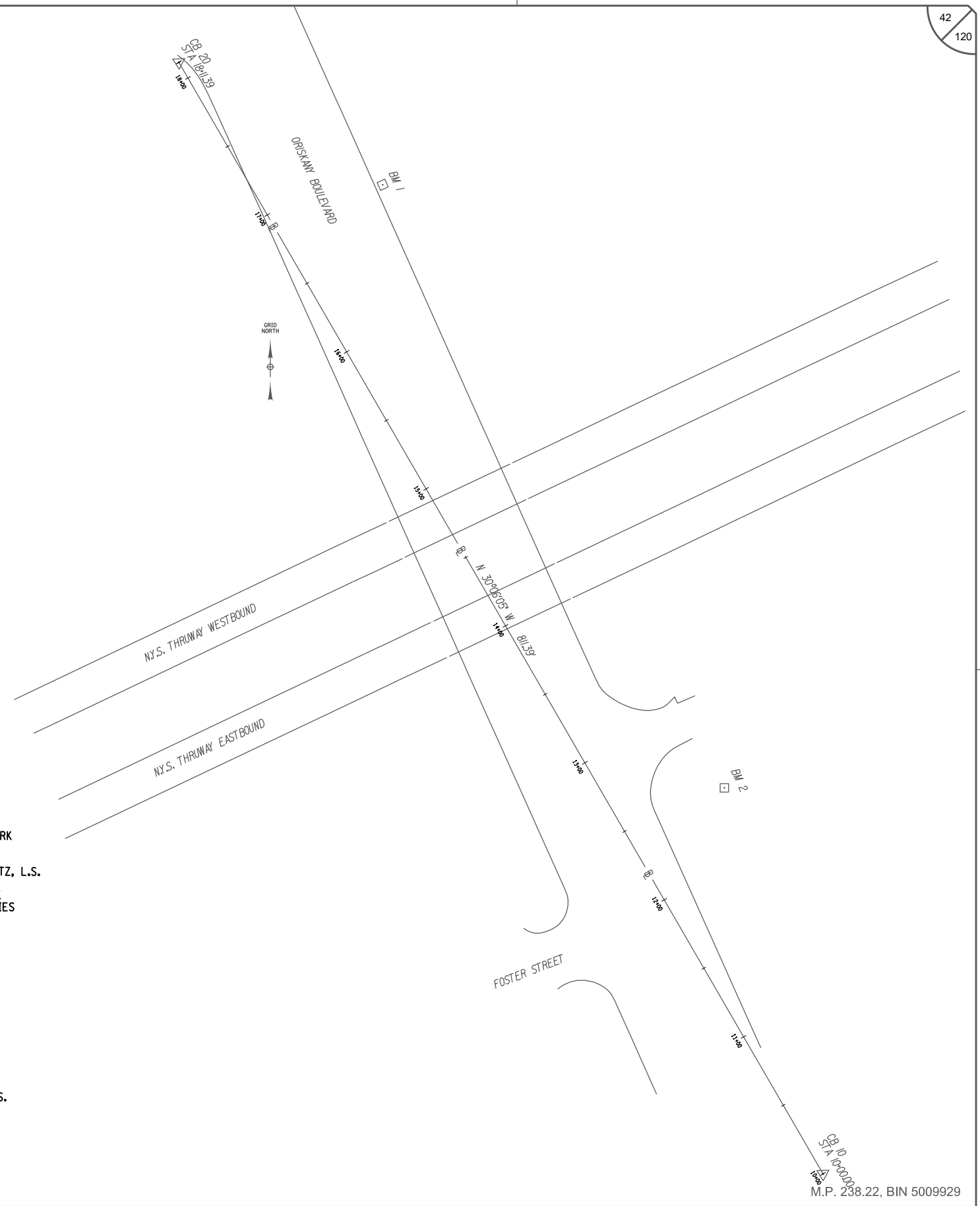
- GENERAL NOTES:**
- BASELINE DATA FOR CB 10 AND CB 20 ON THIS SHEET.
 - BENCHMARK DESCRIPTIONS ARE SHOWN ON ON THIS SHEET.

ABBREVIATIONS

MH MANHOLE
GV GAS VALVE
WV WATER VALVE

SURVEY NOTES:

- SURVEY DATA SHOWN HEREON IS DEPICTED FROM CONTROL REPORT TITLED "NEW YORK STATE THRUWAY AUTHORITY I-90 BRIDGE OVER ORISKANY BLVD. (NYS ROUTE 69) BIN 5009929 MP 238.22 D214389, ASSIGNMENT #9, IN THE SYRACUSE DIVISION, ONEIDA COUNTY", DATED MARCH 2017 BY FISHER ASSOCIATES. CERTIFIED BY M. ELTZ, L.S.
- PRIOR TO INITIATION OF THE PROJECT, THE CONTRACTOR SHALL VERIFY BENCHMARK ELEVATIONS AND RE-ESTABLISH THE SURVEY CONTROL BASELINE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE E.I.C.
- THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND R.O.W. MONUMENTS IN THE AREA OF CONSTRUCTION. EXISTING SURVEY MONUMENTS DISTURBED OR DESTROYED BY THE CONTRACTOR SHALL BE REPAIRED OR RESTORED AT THE CONTRACTOR'S EXPENSE.
- THE HORIZONTAL DATUM SHOWN HEREON IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, TRANSVERSE MERCATOR PROJECTION, NAD 83 (2011) EPOCH 2010.00 USING GPS PROCEDURES AND THE NEW YORK STATE DOT CORS NETWORK, IN US SURVEY FEET. BEARINGS AND DISTANCES SHOWN HEREON ARE GRID. THE AVERAGE PROJECT COMBINED GRID AND ELEVATION FACTOR IS 1.00005520.
- THE VERTICAL DATUM SHOWN HEREON IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (GEOID 12A) IN US SURVEY FEET, USING GPS PROCEDURES.
- THE HORIZONTAL CONTROL FOR THIS PROJECT CONSISTS OF ONE PRIMARY CONTROL NETWORK FROM SOUTH TO NORTH ALONG ORISKANY BOULEVARD. THE PRIMARY CONTROL BEGINS ON CONTROL POINT 10 SOUTH OF THE THRUWAY AND CLOSES ON CONTROL POINT 20 NORTH OF THE THRUWAY. THE PROJECT LIMITS ARE WITHIN THE LIMITS OF THE PRIMARY CONTROL.



ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYL

NEW YORK STATE OF OPPORTUNITY

Thruway Authority

PDG
POPPL DESIGN GROUP

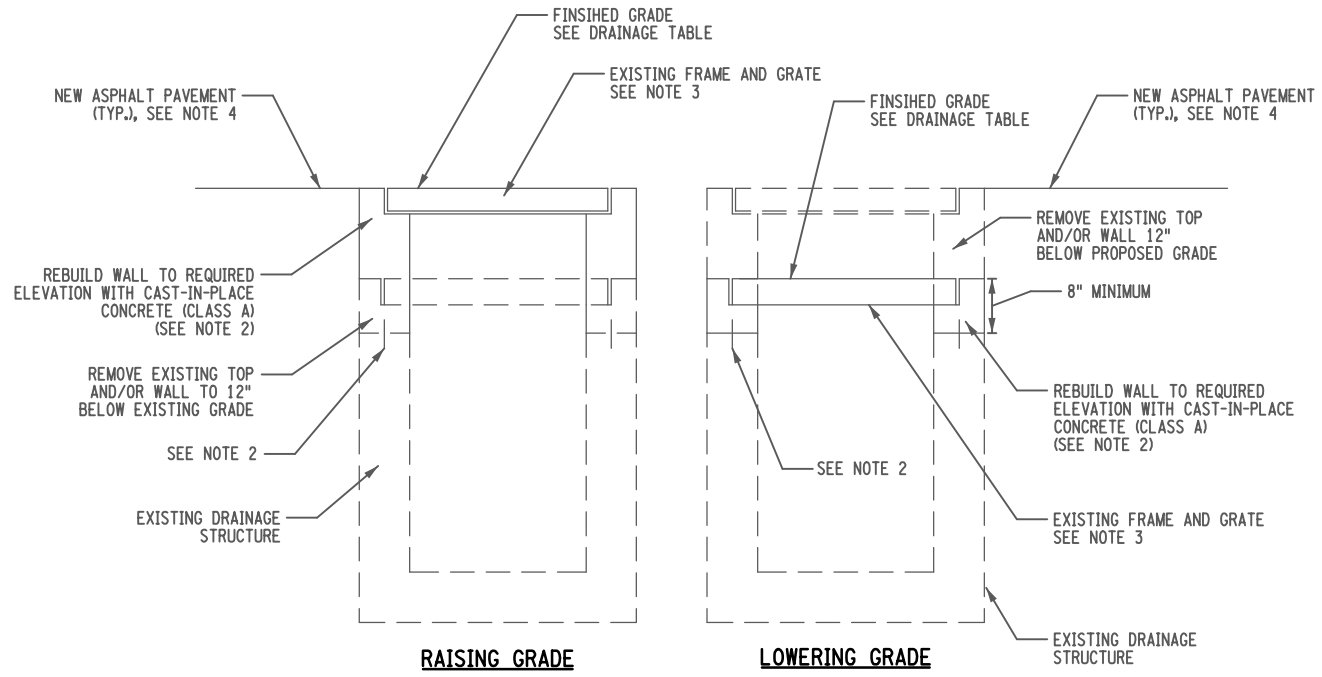
TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-XXB
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING BASELINE TIES	DRAWING NUMBER: SCP-02

SB 10 10-00000
M.P. 238.22, BIN 5009929

CHECKED BY: H. RESSEL
DRAFTED BY: D. GURMAN
CHECKED BY: H. RESSEL
DESIGNED BY: E. BAXTER
DESIGN SUPERVISOR: D. LEVINE

UNDERDRAIN TABLE							
ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION							
ITEM 605.0901 - UNDERDRAIN FILTER TYPE 1							
ITEM 605.1702 - OPTIONAL UNDERDRAIN PIPE, 6" DIA							
STATION		SIDE	DRAINS TO	LENGTH	ITEM 206.0201 (CY)	ITEM 605.0901 (CY)	ITEM 605.1702 (LF)
FROM	TO						
EB 14+50	EB 14+83.8	LT	DS 1-2	34	2.5	2.5	34
EB 12+00	EB 15+03	RT	DAYLIGHT*	303	22.4	22.4	303
EB 16+68.8	EB 21+50	RT	DAYLIGHT*	481	35.6	35.6	481
WB 14+50	WB 14+80	RT	DS 1-2	30	2.2	2.2	30
WB 12+00	WB 15+04.7	LT	DAYLIGHT*	305	22.6	22.6	305
WB 16+70.4	WB 21+50	LT	DAYLIGHT*	480	35.5	35.5	480
TOTAL:					120.9	120.9	1633.0

* SEE STANDARD SHEET TA 605-01 FOR UNDERDRAIN OUTLET DETAILS



NOTES:

- INTERIOR (AND EXTERIOR WHERE APPLICABLE) OF REBUILT WALLS SHALL BE COATED WITH TWO COATS OF EPOXY RESIN DAMP PROOFING.
- DRILL AND GROUT #5 BAR DOWELS, 3 PER SIDE MINIMUM, WITH 6" MINIMUM EMBEDMENT INTO OLD AND NEW CONCRETE. ALL EXISTING CONCRETE SURFACES THAT WILL BE IN CONTACT WITH NEW CONCRETE SHALL BE COATED WITH EPOXY POLYSULFIDE GROUT PER NYS DOT SPECIFICATIONS 721-03. COST OF THIS WORK TO BE INCLUDED IN THE PRICE BID FOR ITEM 604.070201.
- THE EXISTING FAMES AND GRATES SHALL BE REMOVED, STORED IF NECESSARY, CLEANED AND RESET TO THE LINE AND GRADE INDICATED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
- NEW ASPHALT PAVEMENT SHALL BE FLUSH WITH DRAINAGE STRUCTURE FRAME. REFER TO TYPICAL SECTIONS FOR PAVEMENT SECTION.
- SAW CUTTING EXISTING DRAINAGE STRUCTURE WALLS IS TO BE INCLUDED IN THE PRICE BID FOR ITEM 604.070201.

ALTER EXISTING DRAINAGE STRUCTURE

ITEM 604.070201
NOT TO SCALE

DRAINAGE TABLE											
ITEM 604.070201 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS, AND MANHOLES											
ITEM 621.03 - CLEANING DRAINAGE SYSTEMS											
ITEM 621.04 - CLEANING DRAINAGE STRUCTURES											
DS NO	LOCATION			STRUCTURE TYPE	DESCRIPTION	TOP OF GRATE ELEVATION (FT) EXISTING (PROPOSED)	INVERT ELEVATIONS (FT)	SLOPE (%)	ITEM		
	STATION	OFFSET (FT)	SIDE						604.070201 EA	621.03 LF	621.04 EA
DS 0-1	10+19.37	35.68	LT	N/A	STRUCTURE IS IN CROSS-OVER BUT NO WORK IS ANTICIPATED	461.05	449.35 (SE) 449.35 (NW)	N/A			
DS 1-1	12+41.77	35.60	LT	N/A	ADJUST PAVING TO MATCH TOP OF GRATE OF EXISTING STRUCTURE.	455.55 (455.59)	450.05 (NE)	N/A		242.1	1.0
DS 1-2	14+83.84	35.24	LT	N/A	ALTER DRAINAGE STRUCTURE INSTALL NEW FRAME AND GRATE	451.87 (452.32)	SEE NOTE 1	N/A	1.0	96.6	1.0
DS 1-3	14+95.15	60.73	RT	N/A	NO WORK	438.21	427.21 (NE) 427.21 (SW) 434.96 (NW)	N/A			1.0
DS 1-4	2+57.27	39.05	LT	N/A	NO WORK	432.03	421.23 (NE) 422.33 (SE) 425.93 (SW) 421.43 (NW)	N/A			
DS 1-5	4+53.88	39.20	LT	N/A	NO WORK	431.53	405.47 (W) 405.34 (E)	N/A			
DS 1-6	4+66.27	31.06	RT	N/A	NO WORK	431.55	417.98 (W)	N/A			
DS 2-1	22+18.87	34.25	LT	N/A	NO WORK	445.20	414.92 (E) 416.77 (N) 412.39 (S)	N/A			
DS 2-2	22+57.31	92.25	RT	N/A	NO WORK	413.22	407.22 (NE) 407.22 (SW) N/A (NW)	N/A			
TOTALS:									1.0	338.7	3.0

NOTES:

- STRUCTURE INFORMATION NOT AVAILABLE

UTILITY CONTACT INFORMATION						
NAME OF OWNER	FACILITIES	CONTACT	ADDRESS	CSZ	PHONE	EMAIL
ADESTA	NYSTA FIBER BACKBONE - UG	ANDREW CONKLIN	4 WALKER WAY, STE 1	ALBANY, NY 12205	(518) 869-5053	andrew.conklin@aus.com
BUCKEYE PARTNERS	PETROLEUM PIPELINE - UG		6161 HAMILTON BLVD	ALLEN TOWN, PA 18106	(610) 904-4475	tmcclemon@buckeye.com
		PAT DOUGHER	3186 GATES RD	AUBURN, NY 13021	(315) 283-0939	pdougher@buckeye.com
NORTHLAND COMMUNICATIONS (ONEIDA COUNTY RURAL TELEPHONE)	FIBER - TELEPHONE - UG	ED SQUIRE	1 DUPLI PARK DRIVE	SYRACUSE, NY 13204	(315) 624 2053	esquire@northland.net
		ROB CAOIDUFERRO	2 DUPLI PARK DRIVE	SYRACUSE, NY 13204	(315) 624 2053	rcapodifero@northland.net
		BETTE THOMAS	3 DUPLI PARK DRIVE	SYRACUSE, NY 13204	(315) 624 2053	bthomas@northland.net
NATIONAL GRID	GAS - UG	LAURA DANCER	300 ERIE BLVD, BUILDING C2	SYRACUSE, NY 13202	(516) 325-8317	Laura.Dancer@nationalgrid.com
NATIONAL GRID	ELECTRIC AERIAL - OH	ERICK ROGEMOSER	221 OLD CAMPION RD	NEW HARTFORD, NY 13413	(585) 415-2980	Erick.Rogemoser@nationalgrid.com
VERIZON	TELEPHONE (NAT. GRID POLES) OH/UG	JASON ADKINSON	6360 THOMPSON RD, 02 FLOOR	SYRACUSE, NY USA 13206	(315) 491-4229	jason.r.adkison@verizon.com
MOHAWK VALLEY WATER AUTHORITY	WATER - UG	JACK ROSCUP	200 NORTHERN CONCOURSE PO BOX 4949	SYRACUSE, NY 13221	(315) 792-0321	jroscup@mwa.us

ALTERED ON: _____ AFFIXED ON: **04/18/2024**

SIGNATURE: _____ STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PDG
POPULI DESIGN GROUP

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-XXB
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING DRAINAGE TABLE & DETAILS	DRAWING NUMBER: MSC-02

M.P. 238.22, BIN 5009929

CHECKED BY: H. RESSEL

DRAFTED BY: D. GURMAN

CHECKED BY: H. RESSEL

DESIGNED BY: E. BAXTER

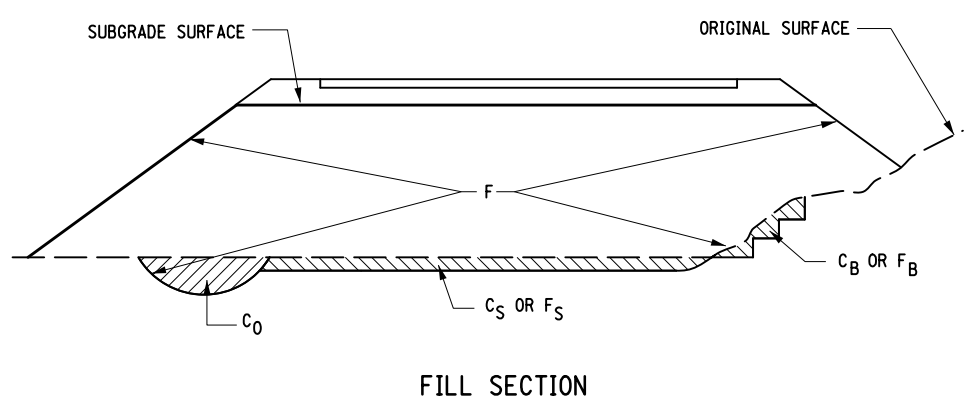
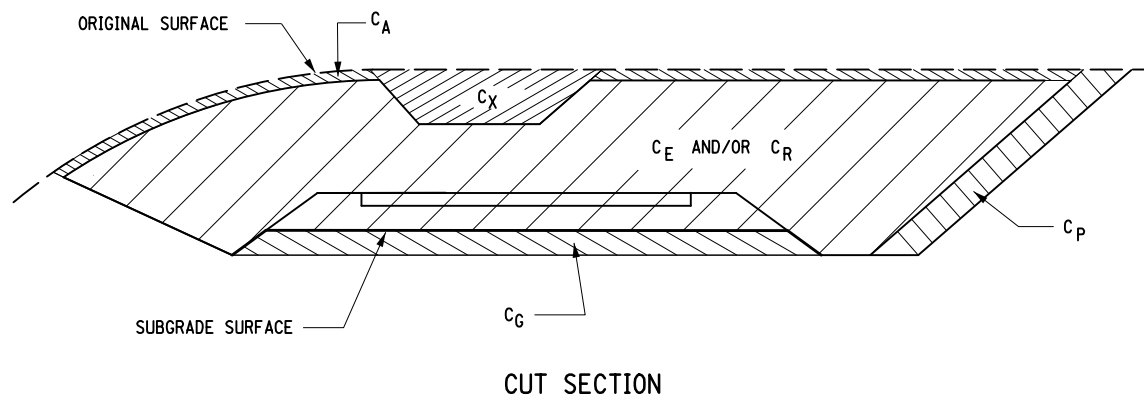
DESIGN SUPERVISOR: D. LEVINE

SUMMARY OF EARTHWORK (ITEMS 203.02 AND 203.03 ONLY)					
SOURCE	EXCAVATION			ITEM 203.02	ITEM 203.03
	T _E	C _R	T _U	C _T	F _T
I-90 EB	1077			1077	380
I-90 WB	1920			1920	1704
TOTALS	2997			2997	2084

•ALL DIMENSIONS IN yd* UNLESS OTHERWISE NOTED

SUMMARY OF TRENCH AND CULVERT EXCAVATION (ITEM 206.0201 ONLY)			
SOURCE	EXCAVATION		ITEM 206.0201
	ROCK	NON-ROCK	
UNDERDRAIN		121	121
TOTALS		121	121

•ALL DIMENSIONS IN yd* UNLESS OTHERWISE NOTED



CUT DEFINITIONS:

- C_B - EXCAVATION FOR REQUIRED BENCHING, (BOTH LONGITUDINAL AND TRANSVERSE).
- C_G - EXCAVATION FOR SUBGRADE IMPROVEMENT.
- C_P - EXCAVATION FROM CUT SLOPE NECESSARY TO PLACE SLOPE PROTECTION.
- C_E - PORTION OF CUT ASSUMED TO BE EARTH SUITABLE FOR EMBANKMENT CONSTRUCTION, EXCLUDING C_G AND C_P.
- T_E - (C_B + C_G + C_P + C_E) TOTAL EARTH EXCAVATION ASSUMED SUITABLE FOR EMBANKMENT CONSTRUCTION.
- C_A - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) IN CUT.
- C_S - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) UNDER EMBANKMENT.
- C_X - EXCAVATION OF UNSUITABLE MATERIAL IN CUT: SWAMP OR DUMP
- C₀ - EXCAVATION OF UNSUITABLE MATERIAL BENEATH EMBANKMENT: SWAMP OR DUMP
- T_U - (C_A + C_S + C_X + C₀) TOTAL EXCAVATION ASSUMED UNSUITABLE FOR EMBANKMENT CONSTRUCTION.
- C_R - PORTION OF CUT ASSUMED TO BE ROCK, INCLUDING C_G IF APPLICABLE.
- C_T - (T_E + T_U + C_R) TOTAL EXCAVATION.

FILL DEFINITIONS:

- F_B - FILL REQUIRED TO REPLACE BENCHES.
- F_S - FILL REQUIRED TO REPLACE TOPSOIL REMOVED BENEATH EMBANKMENTS.
- F - FILL REQUIRED TO COMPLETE EMBANKMENT TO SUBGRADE SURFACE AND SIDE-SLOPES AFTER FOUNDATION IS PREPARED.
- F_T - (F_B + F_S + F) TOTAL FILL REQUIRED.
- T_A - (T_E × F_E + C_R × F_R) THE VOLUME WHICH THE SUITABLE EXCAVATED MATERIAL COULD OCCUPY IN EMBANKMENT.
- F_E - SHRINKAGE FACTOR FOR EARTH
- F_R - SWELL FACTOR FOR ROCK

NOTES:

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THESE TABLES ARE ESTIMATED, AND ARE PROVIDED FOR THE PURPOSE OF PREPARING AN ESTIMATE. THEY ARE NOT TO BE CONSTRUED AS BEING EXACT. THEY ARE INTENDED TO QUANTIFY AND QUALIFY THE NATURE OF THE WORK TO BE PERFORMED. SIGNIFICANT DIFFERENCE FROM THIS REPRESENTATION, WHEN ENCOUNTERED DURING THE ACTUAL WORK, WILL BE HANDLED ACCORDING TO THE SPECIFICATIONS GOVERNING THIS PROJECT.

203.02 UNCLASSIFIED EXCAVATION AND DISPOSAL
 203.03 EMBANKMENT IN PLACE
 206.0201 TRENCH AND CULVERT EXCAVATION

ALTERED ON: _____ AFFIXED ON: 04/18/2024

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

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REVISIONS			
DATE	DESCRIPTION	BY	SYML

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-XXB
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EARTHWORK SUMMARY TABLE	DRAWING NUMBER: ES-01

M.P. 238.22, BIN 5009929

CHECKED BY: H. RESSEL


DRAFTED BY: D. GURMAN

CHECKED BY: H. RESSEL

DESIGNED BY: E. BAXTER

SUBDIVISION NO.	LOCATION (STATION TO STATION)	SUITABLE EXCAVATION					ROCK	UNSUITABLE EXCAVATION					TOTAL EXCAVATION	EMBANKMENT				
		C _B	C _G	C _P	C _E	T _E		C _R	C _A	C _S	C _X	C _O		T _U	C _T	F _B	F _S	F
I-90 EB	EB 11+75, RT				2.99	2.99							2.99				0.04	0.04
I-90 EB	EB 12+00, RT TO EB 13+25, RT				25.2	25.2							25.2				4.28	4.28
I-90 EB	EB 13+50, RT TO EB 14+25, RT				58.08	58.08							58.08				4.28	4.28
I-90 EB	EB 14+50, RT TO EB 15+00, RT	51.84			181.63	233.47							233.47	51.84			63.09	114.93
I-90 EB	EB 16+50, RT				29.69	29.69							29.69				19.16	19.16
I-90 EB	EB 16+75, RT TO EB 19+25, RT	74.07			618.43	692.50							692.50	74.07			141.26	215.33
I-90 EB	EB 19+50, RT TO EB 20+25, RT				14.10	14.10							14.10				11.66	11.66
I-90 EB	EB 20+50, RT TO EB 21+50, RT				21.19	21.19							21.19				4.95	4.95
I-90 WB	WB 11+75, RT				2.65	2.65							2.65					
I-90 WB	WB 12+00, RT TO WB 13+00, RT				25.31	25.31							25.31				0.99	0.99
I-90 WB	WB 13+25, RT TO WB 14+25, RT				61.68	61.68							61.68				3.63	3.63
I-90 WB	WB 14+50, RT TO WB 15+00, RT	22.22			185.98	208.2							208.2	22.22			36.47	58.69
I-90 WB	WB 16+50, RT				29.90	29.90							29.90				43.07	58.07
I-90 WB	WB 16+75, RT TO WB 19+25, RT	400.00			629.07	1029.07							1029.07	400.00			238.98	638.98
I-90 WB	WB 19+50, RT TO WB 20+25, RT	281.48			18.73	300.21							300.21	281.48			134.73	416.21
I-90 WB	WB 20+50, RT TO WB 21+50, RT	237.04			25.61	262.65							262.65	237.04			305.22	542.26
TOTALS		1067			1930	2997							2997	1067			1018	2084

•ALL DIMENSIONS IN yd' UNLESS OTHERWISE NOTED FOR DEFINITIONS AND NOTES SEE DWG. NO. ES-1

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	

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REVISIONS			
DATE	DESCRIPTION	BY	SYML



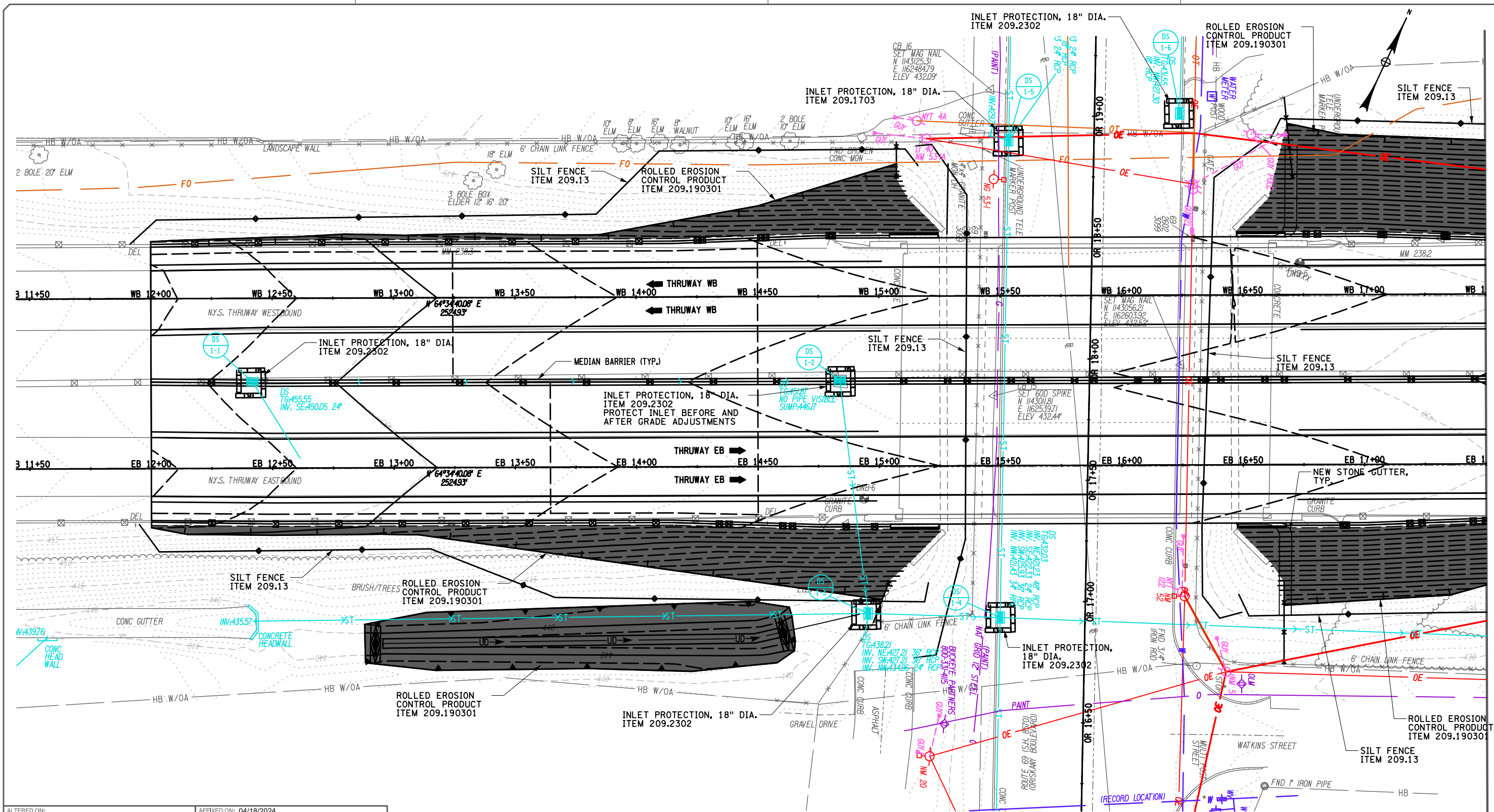


TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-XXB
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EARTHWORK SUMMARY TABLE	DRAWING NUMBER: ES-02

M.P. 238.22, BIN 5009929

DESIGN SUPERVISOR: D. LEVINE

CHECKED BY: A. STRAUB
DRAFTED BY: N. MYERS
CHECKED BY: A. STRAUB
DESIGNED BY: N. MYERS
DESIGN SUPERVISOR: D. LEVINE



ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 04/18/2024
SIGNATURE: ANDREW CHARLES STRAUB, PE
STAMP:

LEGEND

	ROLLED EROSION CONTROL PRODUCT ITEM 209.190301
	SILT FENCE ITEM 209.13
	SEDIMENT FILTER LOG ITEM 209.2302

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REVISIONS

DATE	DESCRIPTION	BY	SYL

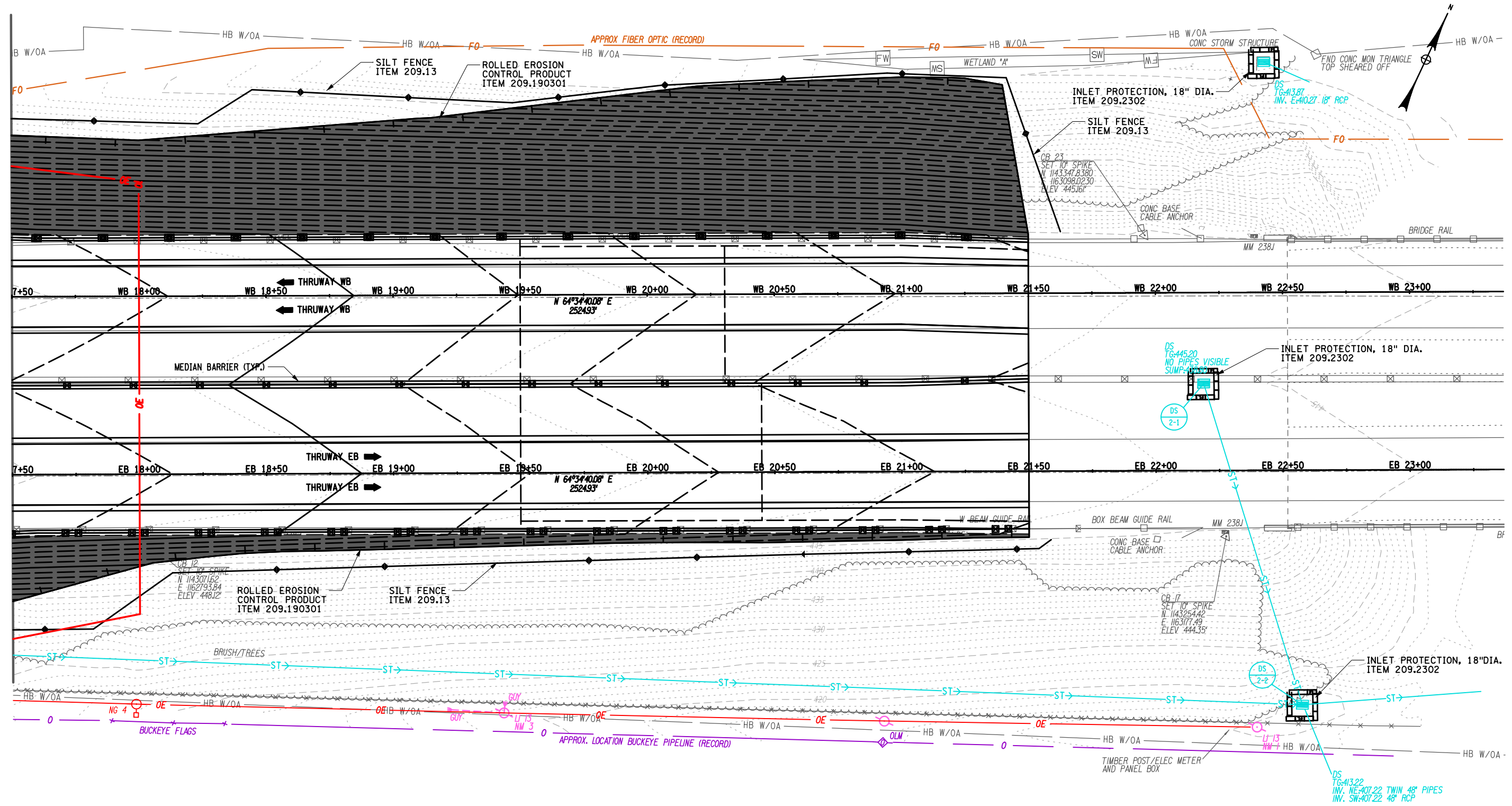


TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 238.22
TITLE OF DRAWING
EROSION AND SEDIMENT CONTROL PLAN

CONTRACT NUMBER:
TAS 24-20B
DATE:
04/03/2024
DRAWING NUMBER:
ECP-01

M.P. 238.22, BIN 5009929

CHECKED BY: B. WEINBLATT
 DRAFTED BY: N. MYERS
 CHECKED BY: B. WEINBLATT
 DESIGNED BY: N. MYERS
 DESIGN SUPERVISOR: D. LEVINE



ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 04/03/2024
SIGNATURE: BRANDEN A. FARNSWORTH-WEINBLATT, PE
STAMP:

LEGEND	
	ROLLED EROSION CONTROL PRODUCT ITEM 209.190301
	SILT FENCE ITEM 209.13
	SEDIMENT FILTER LOG ITEM 209.2302

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REVISIONS			
DATE	DESCRIPTION	BY	SYL



TITLE OF PROJECT: REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
 LOCATION OF PROJECT: SYRACUSE DIVISION MP 238.22
 TITLE OF DRAWING: EROSION AND SEDIMENT CONTROL PLAN

CONTRACT NUMBER: TAS 24-20B
 DATE: 04/03/2024
 DRAWING NUMBER: ECP-02

M.P. 238.22, BIN 5009929

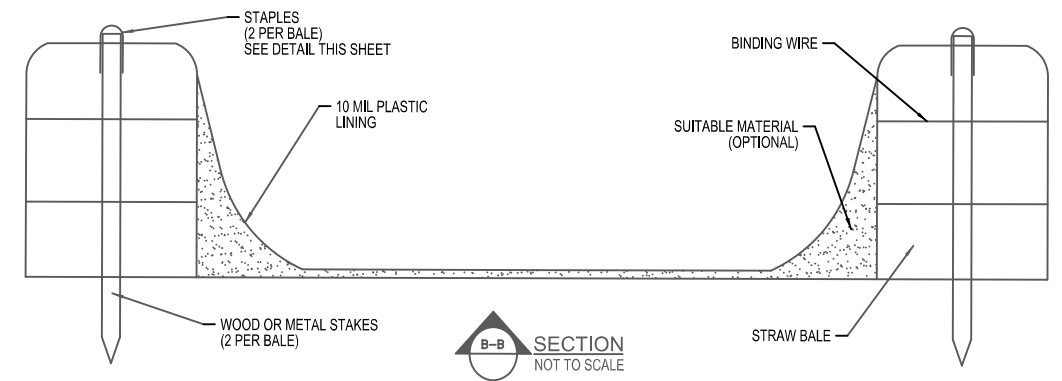
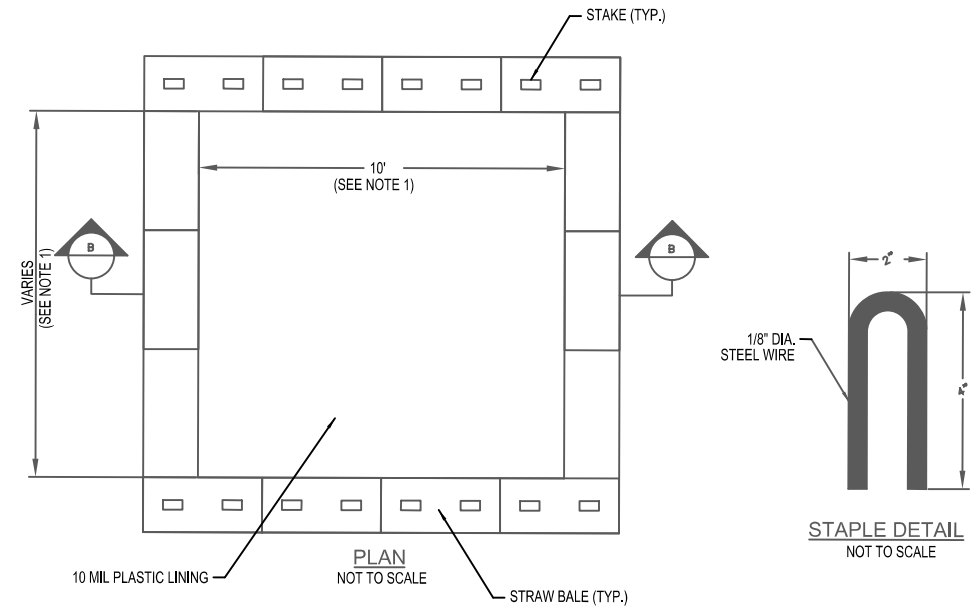
CHECKED BY: B. WEINBLATT

DRAFTED BY: N. MYERS

CHECKED BY: B. WEINBLATT

DESIGNED BY: N. MYERS

DESIGN SUPERVISOR: D. LEVINE



CONCRETE WASHOUT NOTES:

- ACTUAL LAYOUT AND LOCATION TO BE DETERMINED IN FIELD.
- THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 5 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
- LOCATE WASHOUT AREA AT LEAST 50- FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES. DO NOT ALLOW RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID OR SOLID WASTE.
- WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 4-INCHES.
- TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE) SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 10- FEET, BUT WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
- STRAW BALES, WOOD STAKES, AND SANDBAG MATERIALS SHALL CONFORM TO THE PROVISIONS IN THE EROSION AND SEDIMENT CONTROL SPECIFICATION.
- PLASTIC LINING MATERIAL SHALL BE A MINIMUM OF 10 MIL IN POLYETHYLENE SHEETING AND SHALL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
- HOLES, DEPRESSIONS, OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE BACKFILLED AND REPAIRED.
- WASHOUT FACILITIES SHALL BE CLEANED, OR NEW FACILITIES SHALL BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
- THE COST FOR THE CONCRETE WASHOUTS SHALL BE INCLUDED IN THE PRICE BID FOR ALL CONCRETE ITEMS (555.0011, 555.0021).

CONCRETE WASHOUT DETAIL
NOT TO SCALE

STORMWATER POLLUTION PREVENTION AND EROSION CONTROL NOTES:

- INSTALL SILT FENCE AS SHOWN ON THE PLANS AND AROUND THE PERIMETER OF ANY STOCKPILE AREAS AND ADD ADDITIONAL EROSION CONTROL MEASURES AS REQUIRED BY THE ENGINEER PRIOR TO PERFORMING ANY EARTH DISTURBANCE. MEASURES SHALL REMAIN IN PLACE UNTIL SOILS ARE PERMANENTLY STABILIZED.
- WHERE WORK IS SUSPENDED ON THE PROJECT, ALL AREAS OF SOIL DISTURBANCE SHALL BE STABILIZED PER ITEM 209.1003, TEMPORARY SEED AND MULCH, PRIOR TO SHUT DOWN.
- ALL STOCKPILES SHALL BE ENCIrcLED WITH SILT FENCE AND COVERED WITH A TARP OR SEEDED AND MULCHED WITHIN 24HRS OF CREATION. COST OF WORK SHALL BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
- CONTRACTOR SHALL CLEAN SEDIMENT AND DEBRIS OFF ALL PAVED SURFACES AT THE END OF EACH DAY OR AS DIRECTED BY ENGINEER. COST OF CLEANING SHALL BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
- CONTRACTOR SHALL NOT WASH CONCRETE OR SLURRY TRUCKS, TOOLS, OR EQUIPMENT OUT ONTO BARE GROUND OR DIRECTLY INTO STORM OR SANITARY SEWER SYSTEMS (INCLUDING SWALES, DITCHES AND WETLANDS). EXCESS CONCRETE, SLURRY AND WASH WATER SHALL BE COLLECTED IN A WASH BASIN AND DISPOSED OF PROPERLY.
- THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE ENGINEER THEIR WRITTEN SCHEDULE AND 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 SPECIFICATIONS AND THE PROJECT'S SWPPP. 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.
- THE PROJECT ENGINEER IS RESPONSIBLE FOR ENSURING THAT THE CONTRACTOR AND/OR WORKERS EXECUTING THE ACTIVITIES AUTHORIZED BY THE GENERAL PERMIT (0-20-001) HAVE KNOWLEDGE OF THE TERMS AND CONDITIONS OF THE SWPPP AND THAT A COPY OF THE PERMIT DOCUMENT IS AT THE PROJECT SITE.
- MAXIMUM DISTURBANCE AREA IS 1.62 ACRES. CONTRACTOR IS RESPONSIBLE FOR CHANGES TO THE SWPPP IF ACREAGE IS EXCEEDED, AT NO COST TO THE OWNER.
- IF DEWATERING IS REQUIRED THE COST SHALL BE INCLUDED IN PRICE BID FOR THE ITEM REQUIRING THE DEWATERING. THE CONTRACTOR SHALL OBTAIN THE REQUIRED PERMITS FROM THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION IF THEY ELECT TO USE WELL POINTS. ALL WATER FROM DEWATERING OPERATIONS OR EXCAVATION ACTIVITIES SHALL PASS THROUGH A SETTLING TANK, ITEM 209.31000010, OR A GEOTEXTILE FABRIC SEDIMENT COLLECTION BAG ITEM 209.11000001 PRIOR TO BEING DISCHARGED TO A CANAL, CREEK, STREAM, OR CLOSED DRAINAGE SYSTEM DITCH.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL EROSION CONTROL MEASURES THAT MAY BE REQUIRED OR AS ORDERED BY 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 DISTURBABLE COVER.
- CONTRACTOR SHALL ABIDE BY THE PROJECTS STORMWATER POLLUTION PREVENTION PLAN. ALL CONTRACTORS INVOLVED IN SOIL DISTURBANCE SHALL SIGN THE CONTRACTOR CERTIFICATION FORM.
- CONTRACTOR SHALL DECOMPACT ALL AREAS OF PAVEMENT OR IMPERVIOUS COVER REMOVAL THAT WILL BE MADE PERVIOUS COVER. DECOMPACTION SHALL BE ACCOMPLISHED BY DEEP RIPPING OR TILLING TO A DEPTH OF 1.5 FEET BELOW THE BOTTOM OF THE EXISTING SUBBASE LAYER IN ORDER TO REESTABLISH THE PERMEABILITY OF THE SOIL. THE COST OF DECOMPACTION SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.
- 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.

ITEM 209.13 (LF) SILT FENCE	
LOCATION	LENGTH
EB	867'
WB	895'
ORISKANY BLVD.	466'

ALTERED ON: _____ AFFIXED ON: 04/03/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: BRANDEN A. FARNSWORTH-WEINBLATT, PE STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EROSION AND SEDIMENT CONTROL DETAILS	DRAWING NUMBER: ECD-01

M.P. 238.22, BIN 5009929

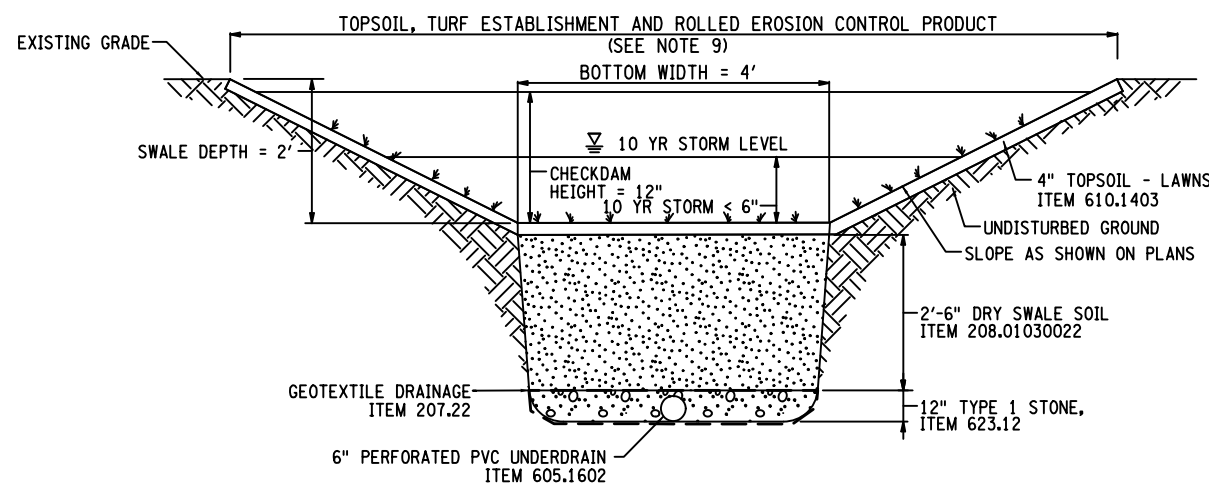
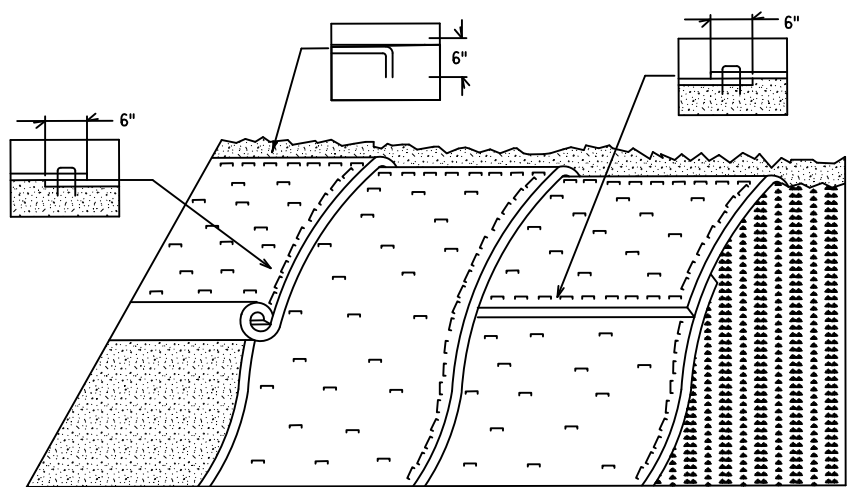
CHECKED BY: B. WEINBLATT

DRAFTED BY: N. MYERS

CHECKED BY: B. WEINBLATT

DESIGNED BY: N. MYERS

DESIGN SUPERVISOR: D. LEVINE



DRY SWALE CROSS-SECTION (WITH CHECKDAM)
NOT TO SCALE

DRY SWALE TABLE				
DRY SWALE	WIDTH	LENGTH	NORTHING	EASTING
DS-1	4'-0"	165'-0"	1142812.110	1162355.350

NOTE:
1. NORTHING AND EASTING ARE AT THE BEGINNING OF THE DRY SWALE.

DRY SWALE ALIGNMENT				
POINT	STATION DISTANCE	DIRECTION	NORTHING	EASTING
POB	DS 0+00	N63°56'42"E	1142792.326	1162314.726
PI	DS 1+98.57	N63°56'42"E	1142879.389	1162493.192
POE	DS 2+46.10	N51°50'49"E	1142908.751	1162530.567

- APPLICATION NOTES:**
- EROSION MATTING ON SLOPES IS FOR REDUCING EROSION AND AIDING THE ESTABLISHMENT OF VEGETATION
 - EROSION CONTROL MATTING SHALL BE USED FOR THE FOLLOWING:
 - SLOPES GREATER THAN 3H:1V
 - AREAS WHERE SEED AND MULCH WILL NOT STAY IN PLACE
 - WHERE SEEDING IS OUTSIDE THE GROWING SEASON.
 - WHERE INDICATED ON THE PLANS OR DETAILS.
 - AS ORDERED BY ENGINEER.

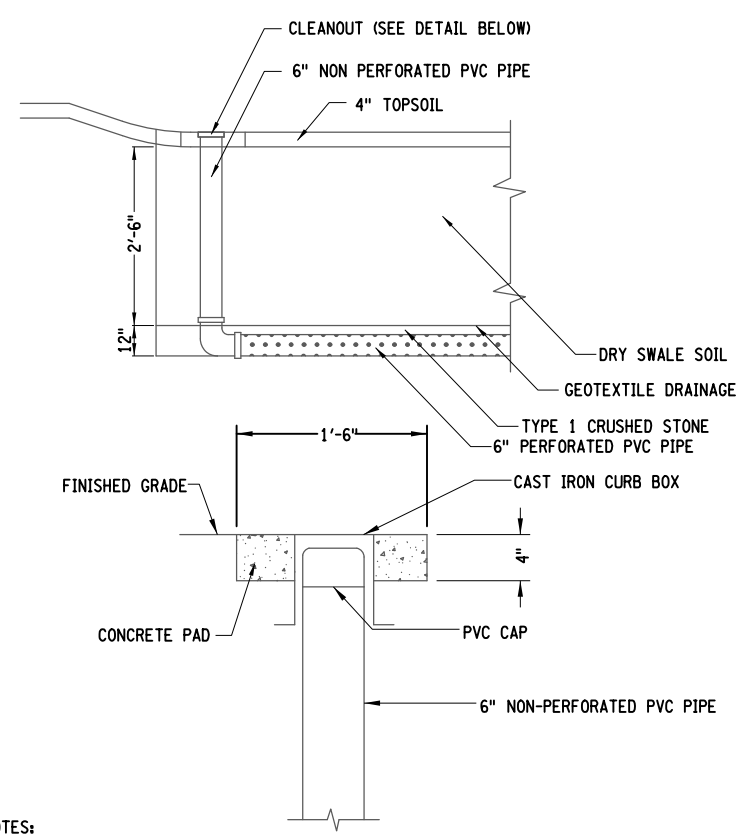
- GENERAL NOTES:**
- GRADE AND SMOOTH THE SLOPE TO PROVIDE GOOD MATTING-TO-SOIL SURFACE CONTACT.
 - APPLY FERTILIZER, LIME, AND SEED PRIOR TO PLACING MATTING.
 - ANCHOR MATTING AS SHOWN, UTILIZING ANCHOR STAPLES. STAPLE PLACEMENT SHALL BE DETERMINED BY THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - UNROLL EROSION MATTING VERTICALLY DOWN SLOPE AND IN THE DIRECTION OF WATER FLOW.
 - OVERLAP UPPER MATTING OVER LOWER MATTING AS SHOWN.
 - OVERLAP ADJACENT MATTING AS SHOWN.
 - CUT EXCESS MATTING AT END OF SLOPE AND ANCHOR THE END.
 - EROSION MATTING SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS
 - EROSION MATTING SHALL BE REPAIRED AND RESTAPLED AS NECESSARY TO ENSURE PROPER FUNCTION.

ROLLED EROSION CONTROL PRODUCT - CLASS II, TYPE C, INTERMEDIATE
ITEM 209.190301
NOT TO SCALE

ITEM 209.190301 (SY) ROLLED EROSION CONTROL PRODUCT, CLASS II TYPE C, INTERMEDIATE		
LOCATION	COMMENT	AREA (SY)
EB	ROADWAY SLOPE TO EXISTING GROUND	1021
WB	ROADWAY SLOPE TO EXISTING GROUND	2819
DRY SWALE	DRY SWALE	483

GENERAL NOTES:

- INSTALL ALL TEMPORARY EROSION CONTROL MEASURES IN ACCORDANCE WITH THE SWPPP PRIOR TO THE START OF ANY CONSTRUCTION OPERATION THAT MAY CAUSE ANY SEDIMENTATION OR SILTATION AT THE SITE.
- GRADING OF THE DRY SWALE SHALL BE ACCOMPLISHED USING LOW-IMPACT EARTH-MOVING EQUIPMENT TO PREVENT COMPACTION OF THE UNDERLYING SOILS. SMALL TRACKED DOZERS AND BOBCATS WITH RUNNER TRACKS ARE RECOMMENDED.
- EXCAVATE THE DRY SWALE TO THE SPECIFIED DEPTH. ALL SUB MATERIAL BELOW THE SPECIFIED ELEVATION SHALL BE LEFT UNDISTURBED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. EXCAVATION SHALL BE PAID FOR UNDER ITEM 203.02, UNCLASSIFIED EXCAVATION AND DISPOSAL.
- GRADE TO THE DEPTH (ELEVATION) SPECIFIED IN THE CONSTRUCTION DOCUMENTS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- REMOVE ALL SEDIMENT FROM THE SWALE FOLLOWING EXCAVATION.
- MATERIAL EXCAVATED FROM THE SWALE SHALL BE DISPOSED OF AT LOCATIONS DESIGNATED BY THE ENGINEER.
- CLEAN, WASHED TYPE 1 STONE SHALL BE PLACED IN THE BOTTOM OF THE DRY SWALE TO THE DEPTH SPECIFIED IN THE CONSTRUCTION DOCUMENTS. GRAVEL SHOULD BE PLACED IN LIFTS AND LIGHTLY COMPACTED WITH PLATE COMPACTORS.
- THE PERFORATED PIPE (UNDERDRAIN) SHALL BE LAID DIRECTLY ON A THIN GRAVEL BED. GRADE AND ALIGNMENT SHALL NOT VARY FROM THE PRESCRIBED GRADE BY MORE THAN 0.03 FEET AT ANY POINT. THE JOINTS BETWEEN SECTIONS OF PIPE SHALL BE CONNECTED IN A FASHION ACCEPTABLE TO ENGINEER. ONCE THE PIPE IS IN PLACE, IT SHALL BE COVERED IMMEDIATELY WITH GRAVEL MATERIAL AS SPECIFIED IN THE CONSTRUCTION DOCUMENTS. THE GRAVEL MATERIAL SHALL BE OF UNIFORM DEPTH ON BOTH SIDES OF THE PIPE.
- THE SWALE SHALL RECEIVE 4" TOPSOIL (ITEM 610.1403), TURF ESTABLISHMENT (ITEM 610.1602) AND ROLLED EROSION CONTROL PRODUCT. ROLLED EROSION CONTROL PRODUCT SHALL BE CLASS II, TYPE C BLANKETS, ITEM 209.190301.
- TURF ESTABLISHMENT AND ROLLED EROSION CONTROL PRODUCT PLACEMENT SHALL BE COMPLETED WITHIN 48 HOURS OF FINAL GRADING.



NOTES:
1. COST OF CLEANOUT SHALL BE INCLUDED WITH PRICE BID FOR ITEM 605.1602, 6" PERFORATED PVC UNDERDRAIN.

CLEAN OUT DETAIL
NOT TO SCALE

M.P. 238.22, BIN 5009929

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: BRANDEN A. FARNSWORTH-WEINBLATT, PE STAMP:

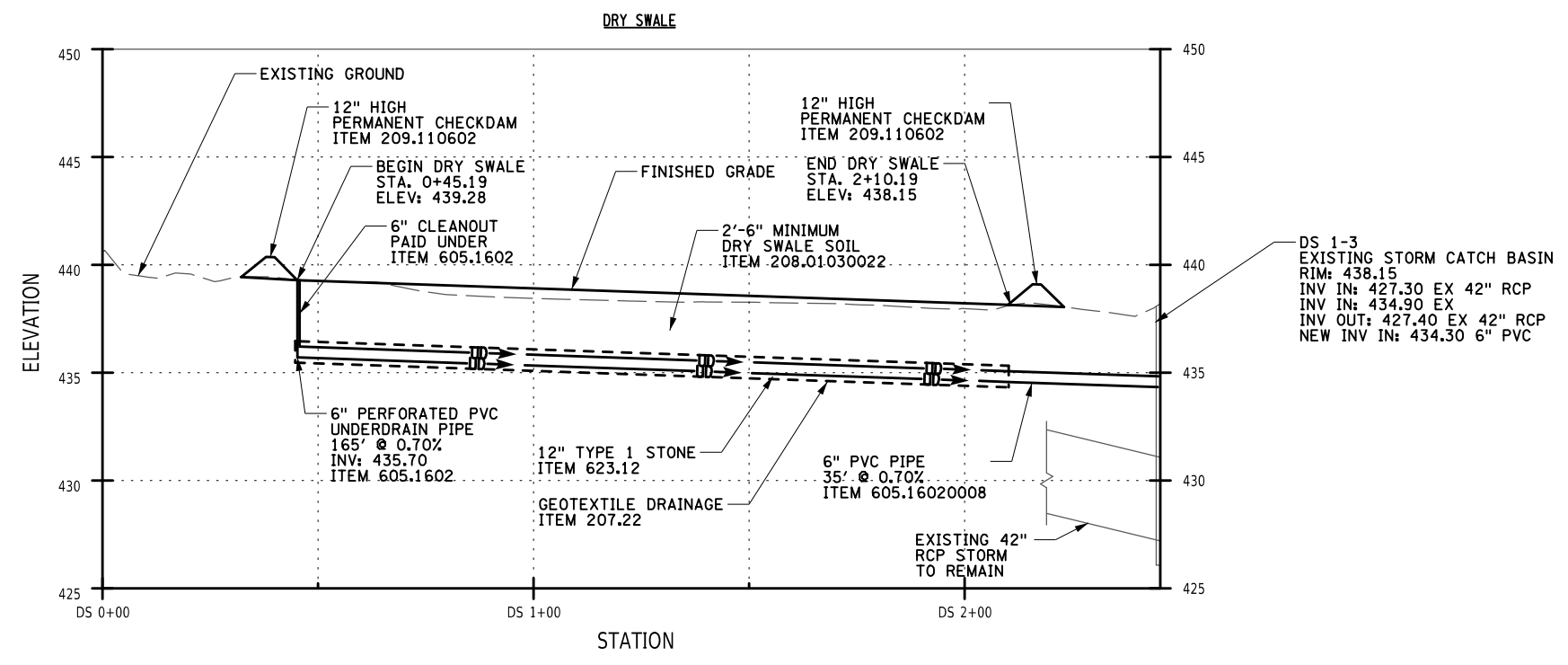
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

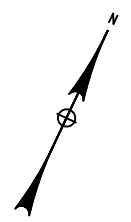
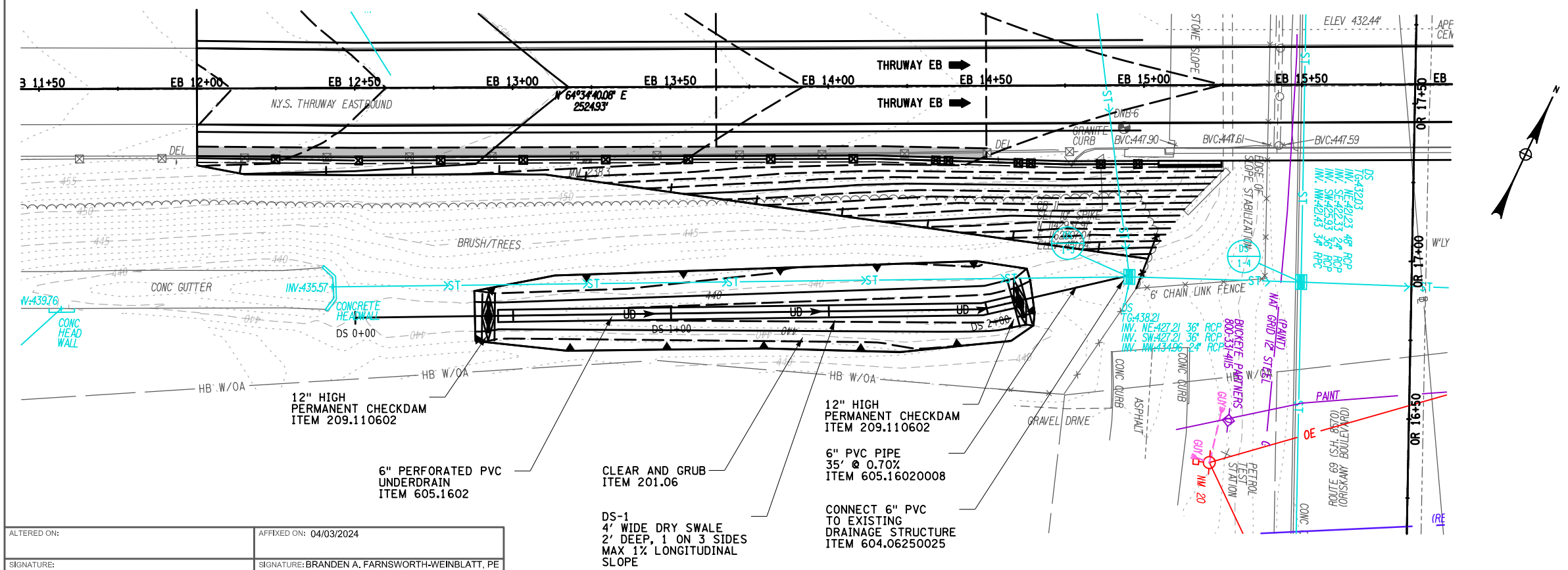
PATRIOT
DESIGN & CONSULTING
STILL SERVING

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EROSION AND SEDIMENT CONTROL DETAILS	DRAWING NUMBER: ECD-02

CHECKED BY: B. WEINBLATT
DRAFTED BY: N. MYERS
DESIGNED BY: N. MYERS
DESIGN SUPERVISOR: D. LEVINE



DS 1-3
EXISTING STORM CATCH BASIN
RIM: 438.15
INV IN: 427.30 EX 42" RCP
INV IN: 434.90 EX
INV OUT: 427.40 EX 42" RCP
NEW INV IN: 434.30 6" PVC



ALTERED ON: _____ AFFIXED ON: 04/03/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: BRANDEN A. FARNSWORTH-WEINBLATT, PE STAMP: _____

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

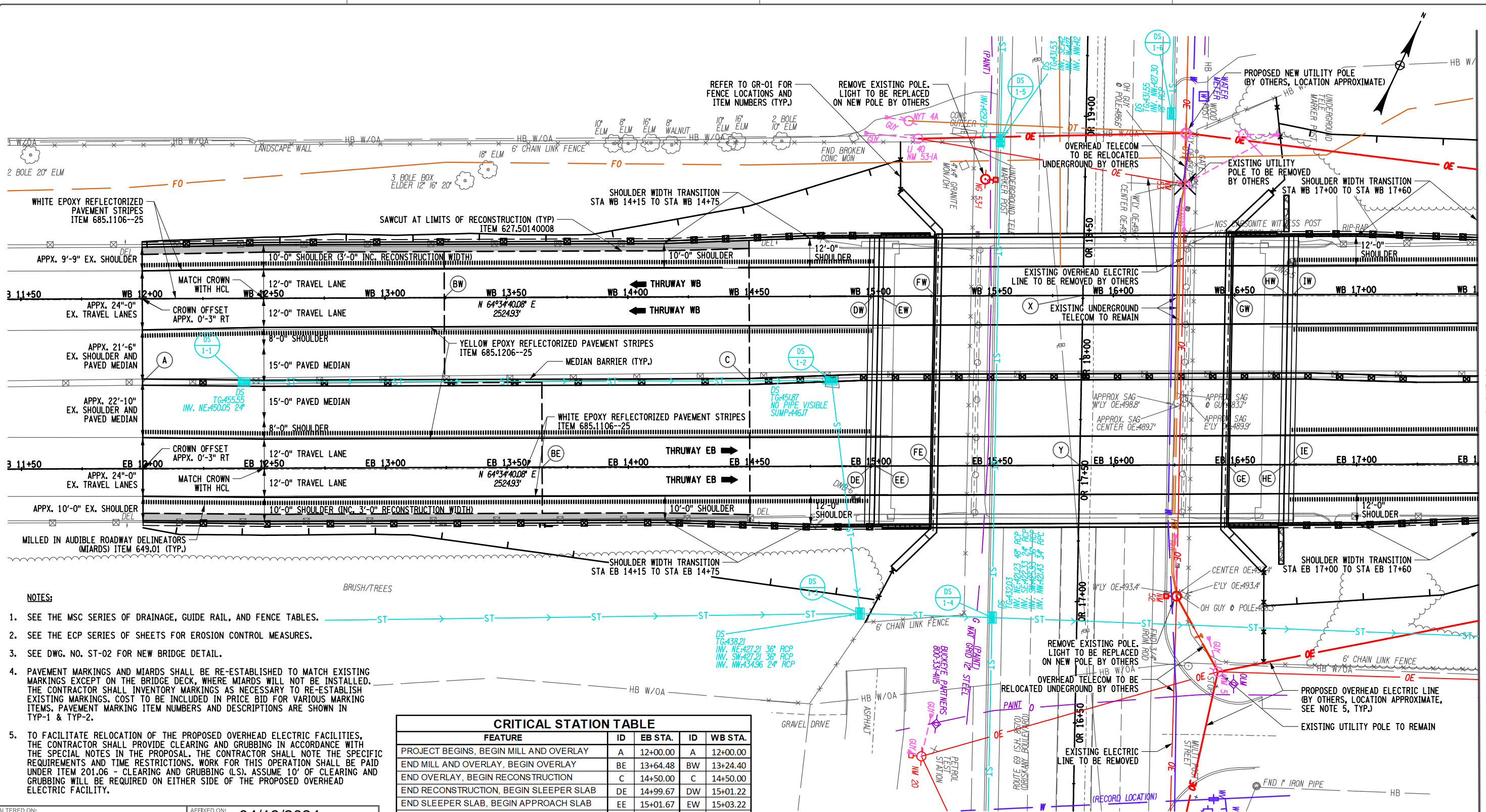
REVISIONS			
DATE	DESCRIPTION	BY	SYL

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING STORMWATER MANAGEMENT PLAN	DRAWING NUMBER: SWM-01

M.P. 238.22, BIN 5009929



CHECKED BY: H. RESSEL
DRAFTED BY: D. GURMIAN
DESIGNED BY: E. BAXTER
DESIGN SUPERVISOR: D. LEVINE



- NOTES:**
- SEE THE MSC SERIES OF DRAINAGE, GUIDE RAIL, AND FENCE TABLES.
 - SEE THE ECP SERIES OF SHEETS FOR EROSION CONTROL MEASURES.
 - SEE DWG. NO. ST-02 FOR NEW BRIDGE DETAIL.
 - PAVEMENT MARKINGS AND MIARDS SHALL BE RE-ESTABLISHED TO MATCH EXISTING MARKINGS EXCEPT ON THE BRIDGE DECK, WHERE MIARDS WILL NOT BE INSTALLED. THE CONTRACTOR SHALL INVENTORY MARKINGS AS NECESSARY TO RE-ESTABLISH EXISTING MARKINGS. COST TO BE INCLUDED IN PRICE BID FOR VARIOUS MARKING ITEMS. PAVEMENT MARKING ITEM NUMBERS AND DESCRIPTIONS ARE SHOWN IN TYP-1 & TYP-2.
 - TO FACILITATE RELOCATION OF THE PROPOSED OVERHEAD ELECTRIC FACILITIES, THE CONTRACTOR SHALL PROVIDE CLEARING AND GRUBBING IN ACCORDANCE WITH THE SPECIAL NOTES IN THE PROPOSAL. THE CONTRACTOR SHALL NOTE THE SPECIFIC REQUIREMENTS AND TIME RESTRICTIONS. WORK FOR THIS OPERATION SHALL BE PAID UNDER ITEM 201.06 - CLEARING AND GRUBBING (L.S). ASSUME 10' OF CLEARING AND GRUBBING WILL BE REQUIRED ON EITHER SIDE OF THE PROPOSED OVERHEAD ELECTRIC FACILITY.

CRITICAL STATION TABLE				
FEATURE	ID	EB STA.	ID	WB STA.
PROJECT BEGINS, BEGIN MILL AND OVERLAY	A	12+00.00	A	12+00.00
END MILL AND OVERLAY, BEGIN OVERLAY	BE	13+64.48	BW	13+24.40
END OVERLAY, BEGIN RECONSTRUCTION	C	14+50.00	C	14+50.00
END RECONSTRUCTION, BEGIN SLEEPER SLAB	DE	14+99.67	DW	15+01.22
END SLEEPER SLAB, BEGIN APPROACH SLAB	EE	15+01.67	EW	15+03.22
END APPROACH SLAB, BEGIN BRIDGE	FE	15+25.17	FW	15+26.72
END BRIDGE, BEGIN APPROACH SLAB	GE	16+46.83	GW	16+48.38
END APPROACH SLAB, BEGIN SLEEPER SLAB	HE	16+70.33	HW	16+71.88
END SLEEPER SLAB, BEGIN RECONSTRUCTION	IE	16+72.33	IW	16+73.88
END RECONSTRUCTION, BEGIN OVERLAY	J	19+50.00	J	19+50.00
END OVERLAY, BEGIN MILL AND OVERLAY	KE	20+44.87	KW	20+30.51
END MILL AND OVERLAY, PROJECT ENDS	L	21+50.00	L	21+50.00

INTERSECTION TABLE		
ID	STATION 1	STATION 2
X	WB 15+87.48	OR 12+26.18
Y	EB 15+85.92	OR 11+56.16



UTILITIES QL: C

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REVISIONS			
DATE	DESCRIPTION	BY	SYL



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-XXB
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING GENERAL ROADWAY PLAN	DRAWING NUMBER: GNP-01

M.P. 238.22, BIN 5009929

MATCH LINE TO DWG. NO. GNP-02
(STA. 17+50)

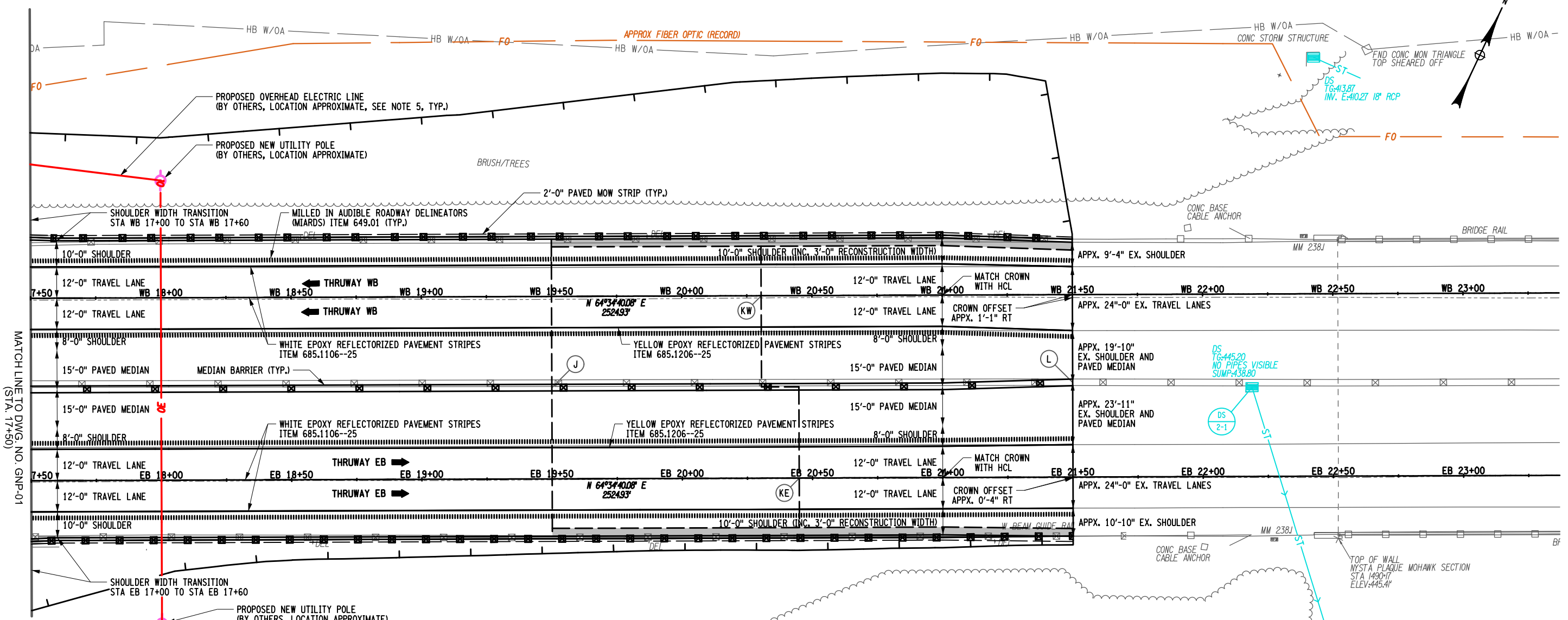
CHECKED BY: H. RESEL

DRAFTED BY: D. GURMAN

CHECKED BY: H. RESEL

DESIGNED BY: E. BAXTER

DESIGN SUPERVISOR: D. LEVINE



- NOTES:**
- SEE THE MSC SERIES OF DRAINAGE, GUIDE RAIL, AND FENCE TABLES.
 - SEE THE ECP SERIES OF SHEETS FOR EROSION CONTROL MEASURES.
 - SEE DWG. NO. ST-02 FOR NEW BRIDGE DETAIL.
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CRITICAL STATION TABLE				
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UTILITIES QL: C

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ALTERED ON: _____ AFFIXED ON: **04/18/2024**

SIGNATURE: _____ SIGNATURE: _____
STAMP: _____

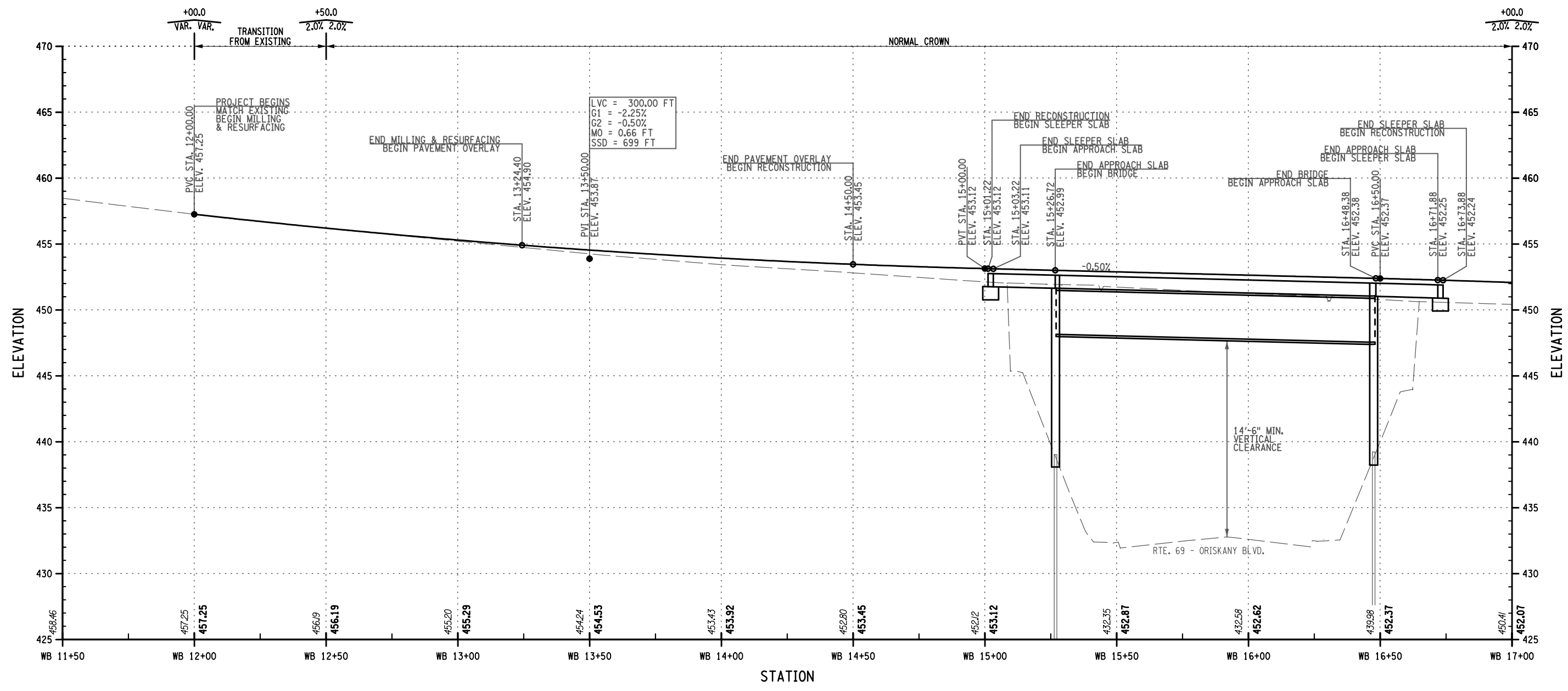
REVISIONS			
DATE	DESCRIPTION	BY	SYL



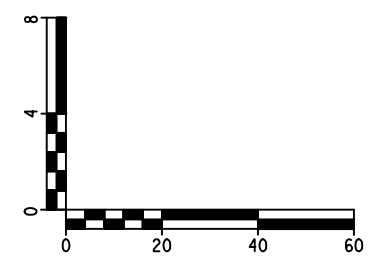
TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-XXB
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING GENERAL ROADWAY PLAN	DRAWING NUMBER: GNP-02


M.P. 238.22, BIN 5009929

DESIGNED BY: E. BAXTER
CHECKED BY: H. RESSEL
DRAFTED BY: E. BAXTER
CHECKED BY: H. RESSEL



WESTBOUND THRUWAY MAINLINE PROFILE
SCALE: 1" H = 40'-0", 1" V = 8'-0"



ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYL



Thruway Authority TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	CONTRACT NUMBER: TAS 24-XXB
	DATE: 04/03/2024
TITLE OF DRAWING GENERAL ROADWAY PROFILE	DRAWING NUMBER: PRO-01

M.P. 238.22, BIN 5009929

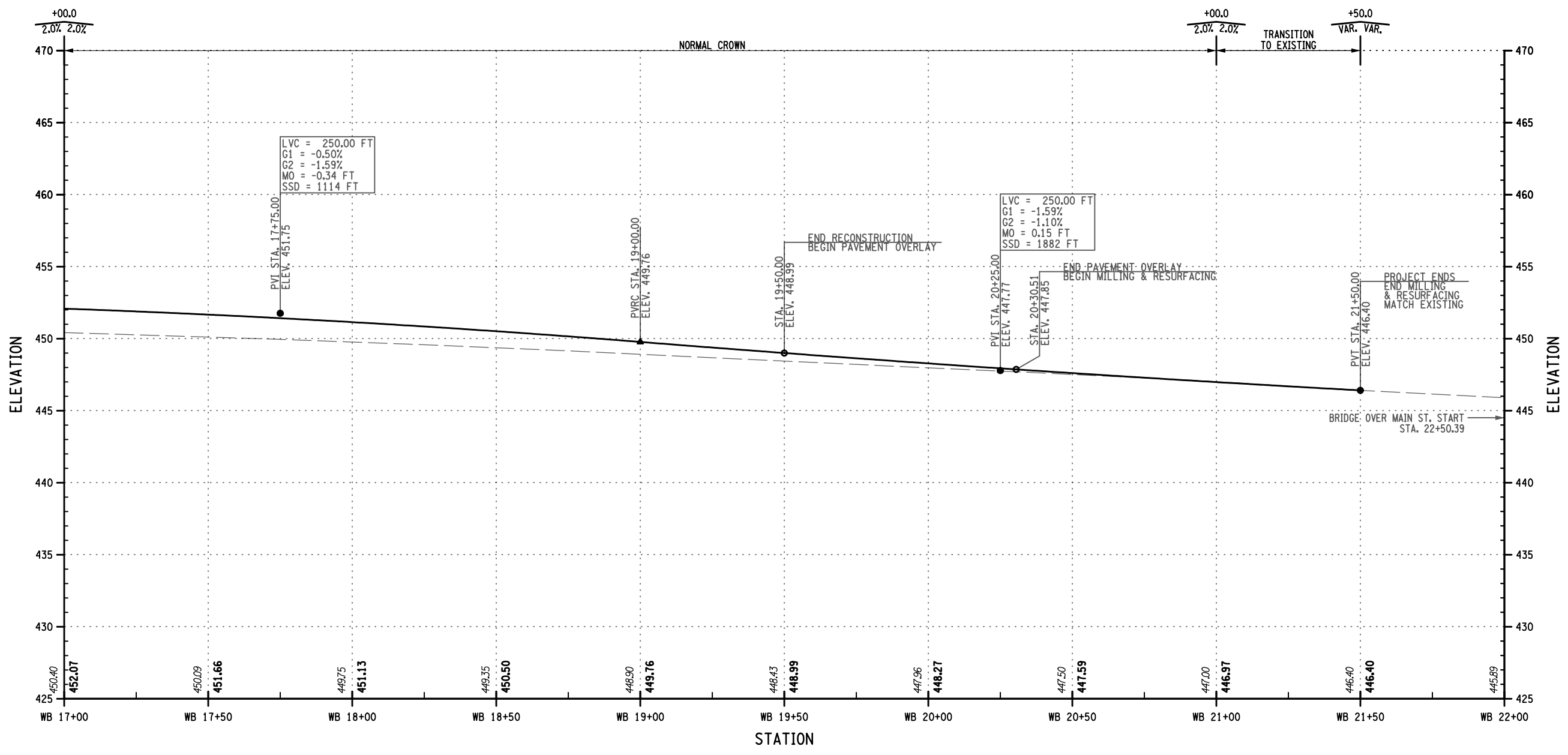
CHECKED BY: H. RESSEL

DRAFTED BY: E. BAXTER

CHECKED BY: H. RESSEL

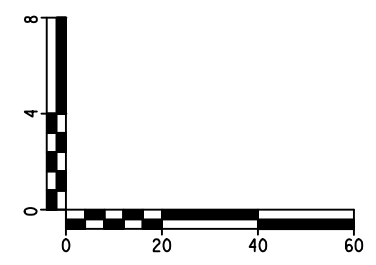
DESIGNED BY: E. BAXTER


DESIGN SUPERVISOR: D. LEVINE



WESTBOUND THRUWAY MAINLINE PROFILE

SCALE: 1" H = 40'-0", 1" V = 8'-0"



ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYL




TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD

LOCATION OF PROJECT
SYRACUSE DIVISION
MP 238.22

TITLE OF DRAWING
GENERAL ROADWAY PROFILE

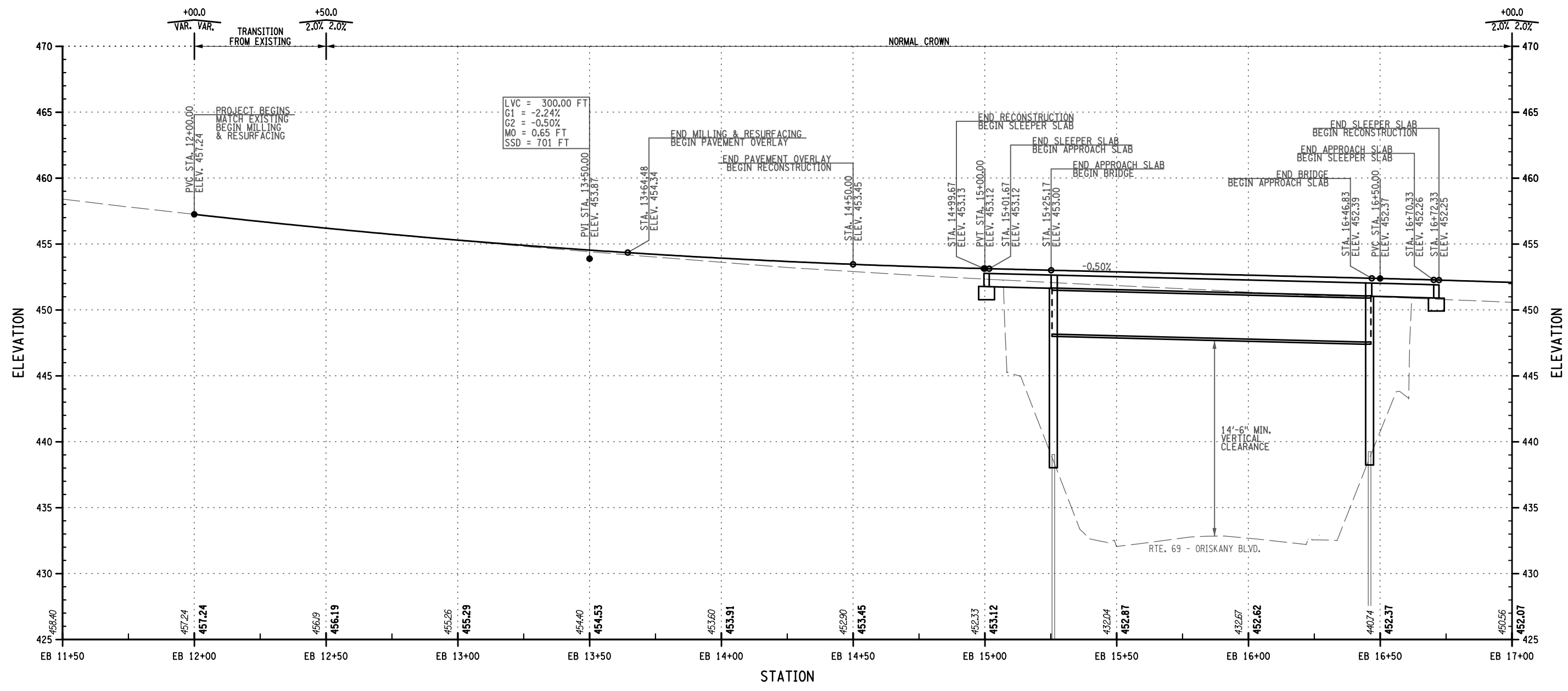
CONTRACT NUMBER:
TAS 24-XXB

DATE:
04/03/2024


DRAWING NUMBER:
PRO-02

M.P. 238.22, BIN 5009929

DESIGNED BY: E. BAXTER
CHECKED BY: H. RESSEL
DRAFTED BY: E. BAXTER
CHECKED BY: H. RESSEL



EASTBOUND THRUWAY MAINLINE PROFILE
SCALE: 1" H = 40'-0", 1" V = 8'-0"

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

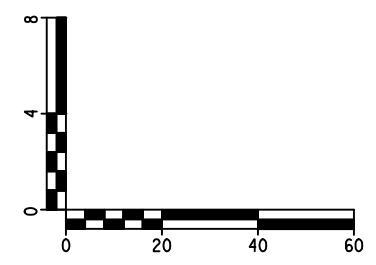
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REVISIONS			
DATE	DESCRIPTION	BY	SYL



TITLE OF PROJECT: REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
 LOCATION OF PROJECT: SYRACUSE DIVISION MP 238.22
 TITLE OF DRAWING: GENERAL ROADWAY PROFILE

CONTRACT NUMBER: TAS 24-XXB
 DATE: 04/03/2024
 DRAWING NUMBER: PRO-03



M.P. 238.22, BIN 5009929

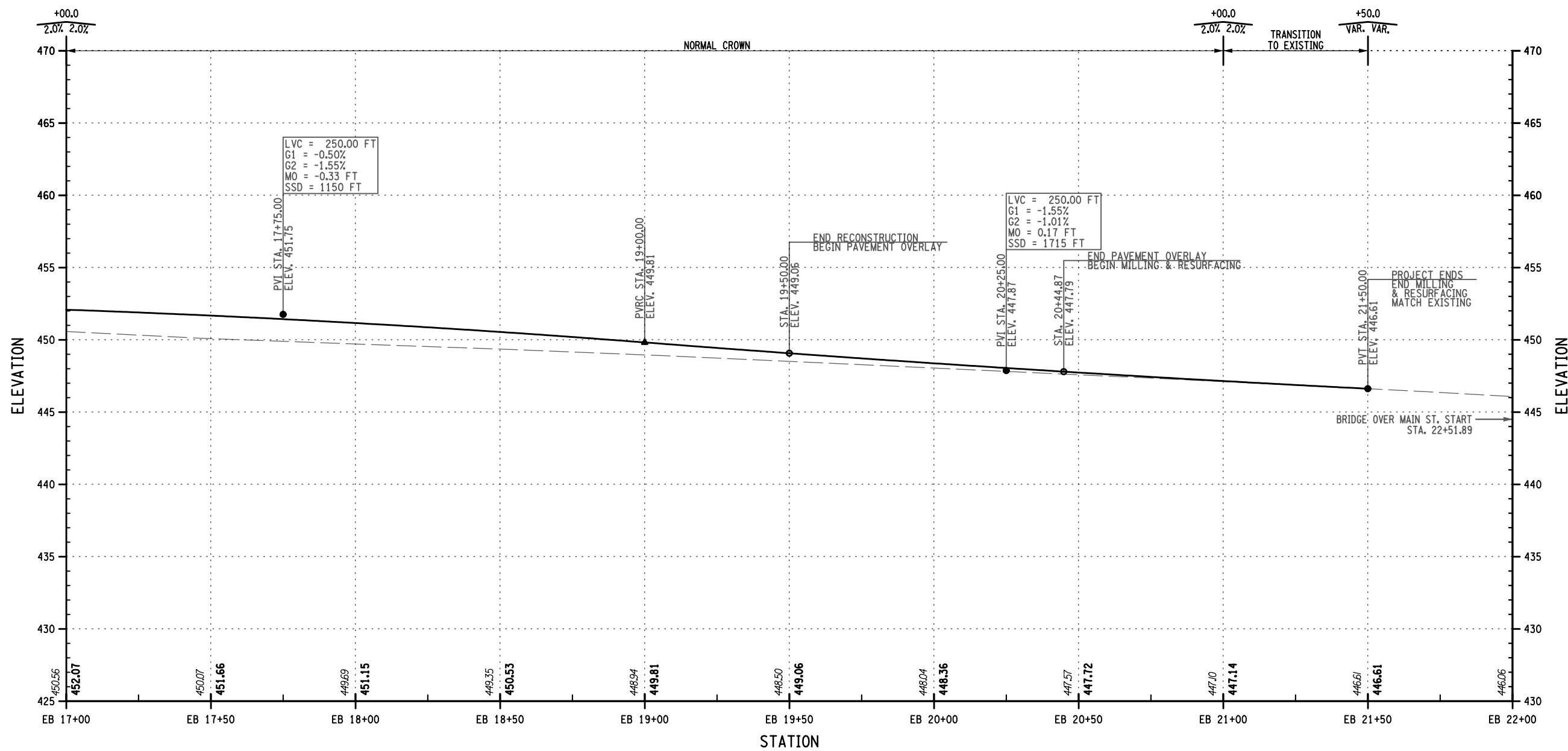
CHECKED BY: H. RESSEL

DRAFTED BY: E. BAXTER

CHECKED BY: H. RESSEL

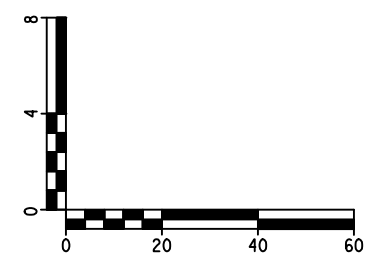
DESIGNED BY: E. BAXTER


DESIGN SUPERVISOR: D. LEVINE



EASTBOUND THRUWAY MAINLINE PROFILE

SCALE: 1" H = 40'-0", 1" V = 8'-0"



ALTERED ON:	AFFIXED ON: 04/18/2024
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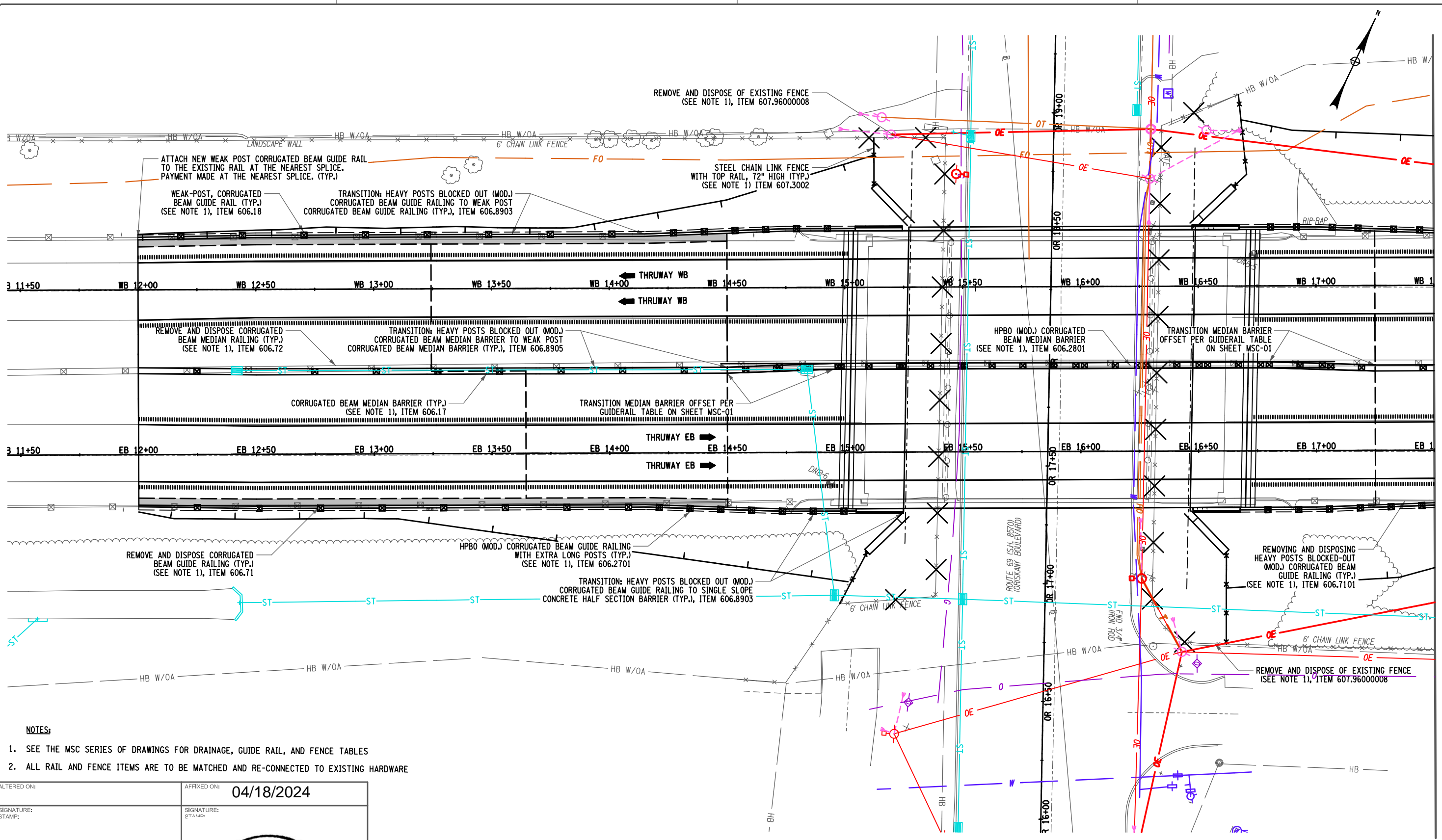
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-XXB
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING GENERAL ROADWAY PROFILE	DRAWING NUMBER: PRO-04

M.P. 238.22, BIN 5009929

CHECKED BY: H. RESSEL
DRAFTED BY: D. GURMAN
CHECKED BY: H. RESSEL
DESIGNED BY: E. BAXTER
DESIGN SUPERVISOR: D. LEVINE



MATCH LINE TO DWG. NO. GNP-02
(STA. 17+50)

- NOTES:**
- SEE THE MSC SERIES OF DRAWINGS FOR DRAINAGE, GUIDE RAIL, AND FENCE TABLES
 - ALL RAIL AND FENCE ITEMS ARE TO BE MATCHED AND RE-CONNECTED TO EXISTING HARDWARE

ALTERED ON:	AFFIXED ON: 04/18/2024
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TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-XXB
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING GUIDERAIL AND FENCE PLAN	DRAWING NUMBER: GR-01

M.P. 238.22, BIN 5009929

CHECKED BY: H. RESSEL

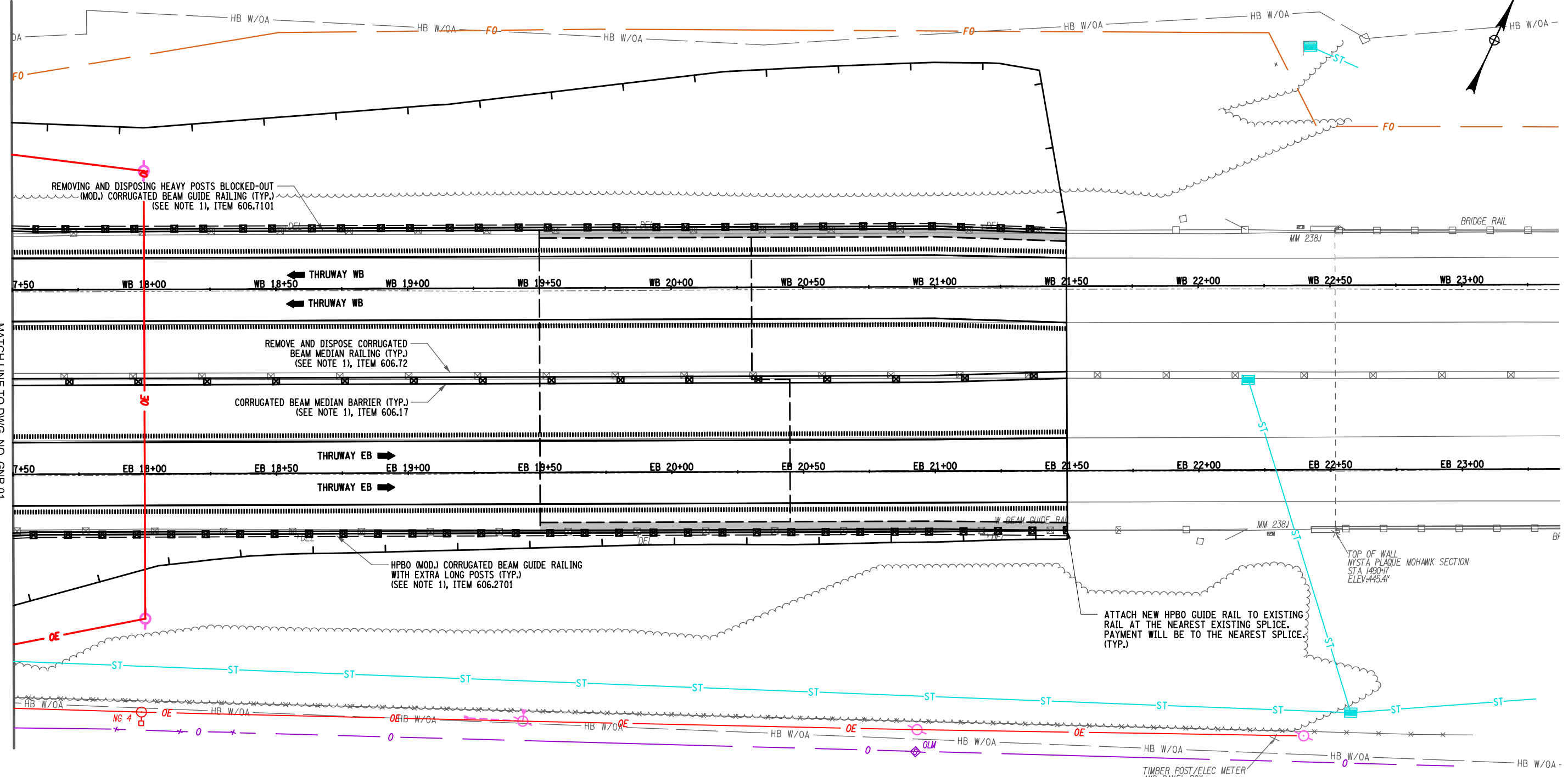
DRAFTED BY: D. GURMAN

CHECKED BY: H. RESSEL

DESIGNED BY: E. BAXTER

DESIGN SUPERVISOR: D. LEVINE

MATCH LINE TO DWG. NO. GNP-01
(STA. 17+50)



NOTES:

1. SEE THE MSC SERIES OF DRAWINGS FOR DRAINAGE, GUIDE RAIL, AND FENCE TABLES
2. ALL RAIL AND FENCE ITEMS ARE TO BE MATCHED AND RE-CONNECTED TO EXISTING HARDWARE

ALTERED ON:	AFFIXED ON: 04/18/2024
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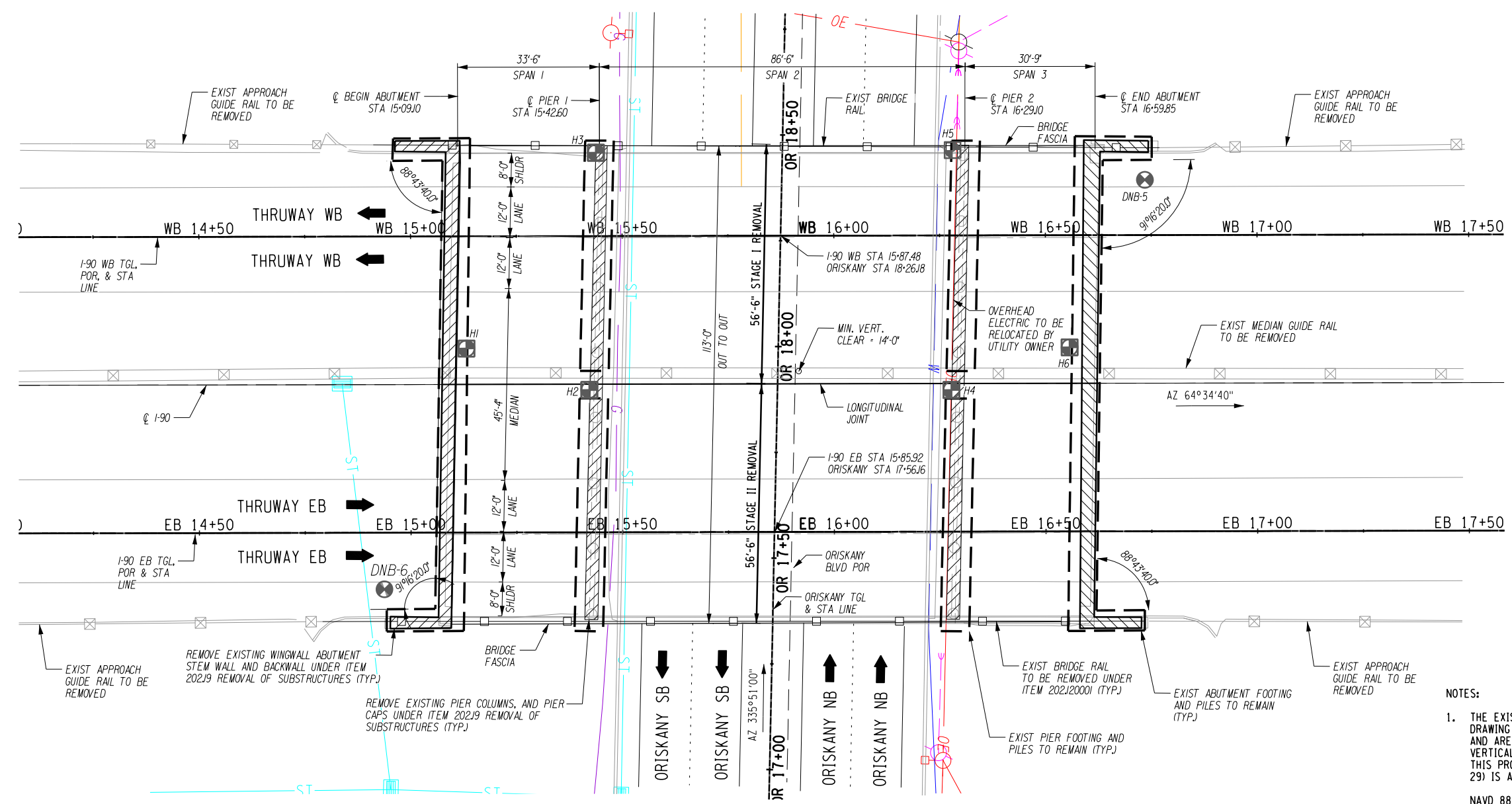
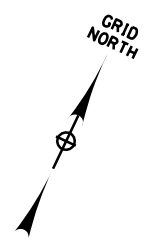


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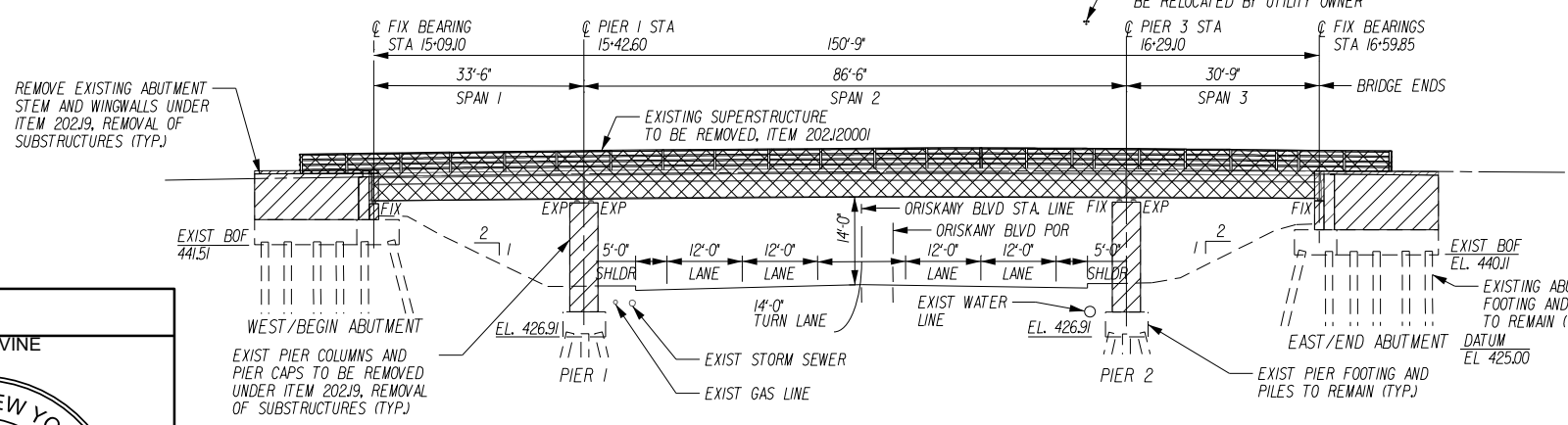
REVISIONS			
DATE	DESCRIPTION	BY	SYML

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-XXB
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING GUIDERAIL AND FENCE PLAN	DRAWING NUMBER: GR-02

M.P. 238.22, BIN 5009929



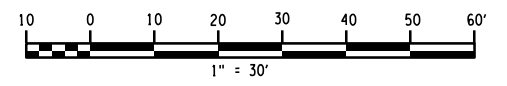
EXISTING PLAN
SCALE: 1" = 30'-0"



EXISTING ELEVATION
SCALE: 1" = 30'-0"

- NOTES:**
- THE EXISTING SUBSTRUCTURE ELEVATIONS PROVIDED ON THIS DRAWING WERE TAKEN FROM THE ORIGINAL 1952 RECORDS PLANS AND ARE ASSUMED TO REFERENCE THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29.) THE CONVERSION BETWEEN THIS PROJECTS DATUM (NAVD 88 AND THE ORIGINAL DATUM (NGVD 29) IS AS FOLLOWS:
NAVD 88 ELEVATION: NGVD 29 ELEVATION - 0.551 FT.

- REMOVAL LEGEND:**
- REMOVING EXISTING SUPERSTRUCTURE ITEM 202.120001
 - REMOVING EXISTING SUBSTRUCTURE ITEM 202.19
- BORING LEGEND:**
- FHB# EXISTING BORING LOCATION (2017)
 - H# EXISTING BORING LOCATION (1952)



CHECKED BY: D. LEVINE

DRAFTED BY: L. TESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 04/18/2024
SIGNATURE: DANIEL A. LEVINE
STAMP:

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TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EXISTING BRIDGE PLAN AND ELEVATION	DRAWING NUMBER: ST-1

M.P. 238.22, BIN 5009929

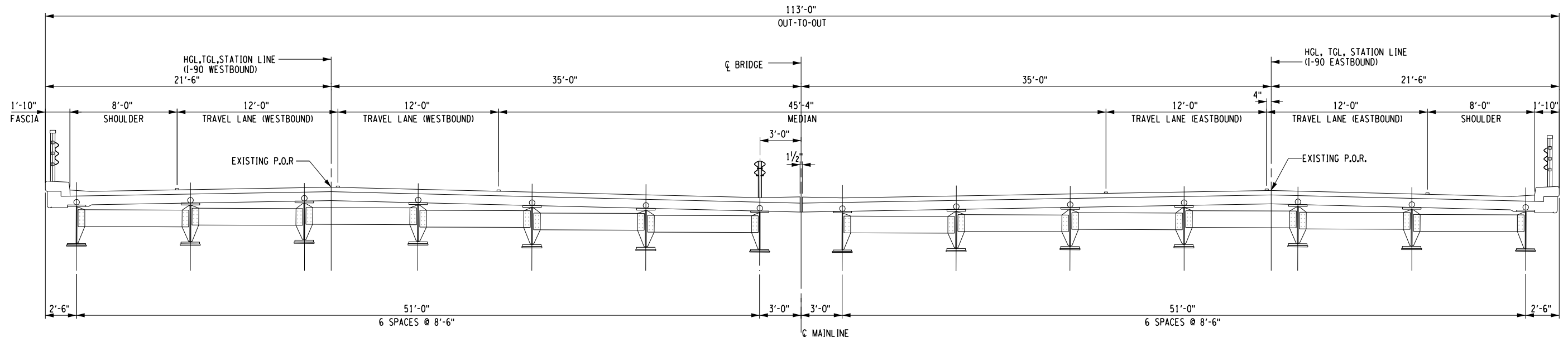
CHECKED BY: D. LEVINE

DRAFTED BY: L. TESNER

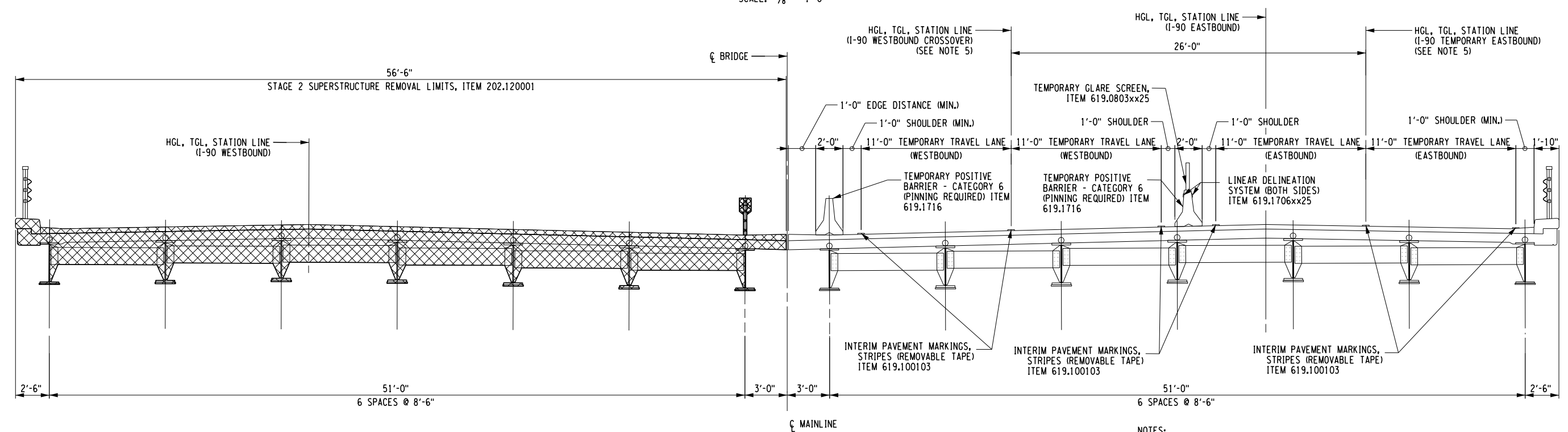
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



STAGE 1 SECTION (EXISTING)
SCALE: 1/8" = 1'-0"



STAGE 2 SECTION (WESTBOUND REPLACEMENT)
SCALE: 1/8" = 1'-0"

NOTES:

- FOR SUPERSTRUCTURE REMOVAL NOTES, SEE DRAWING GNN-02.
- FOR FULL LIST OF WORK ZONE TRAFFIC CONTROL STAGES AND DETAILS, SEE TC-01 THRU TC-27, SCP-01 THRU SCP-02.
- FOR GUIDE RAIL REMOVAL DETAILS, SEE DRAWING GR-01 THRU GR-02.
- ALL DIMENSIONS ARE SHOWN NORMAL TO HIGHWAY STATION LINES.
- FOR TEMPORARY ALIGNMENT INFORMATION SEE ALIGNMENT TABLES ON DRAWING TC-27.

LEGEND:

- SUPERSTRUCTURE REMOVAL

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE

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 REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING STAGE CONSTRUCTION SECTIONS (SHEET 1 OF 2)	DRAWING NUMBER: ST-3

M.P. 238.22, BIN 5009929

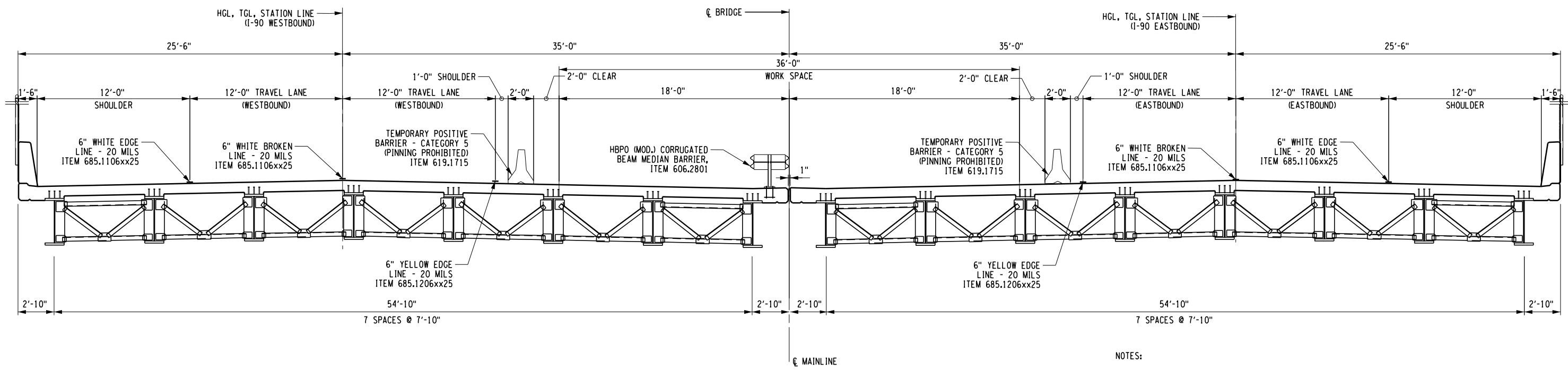
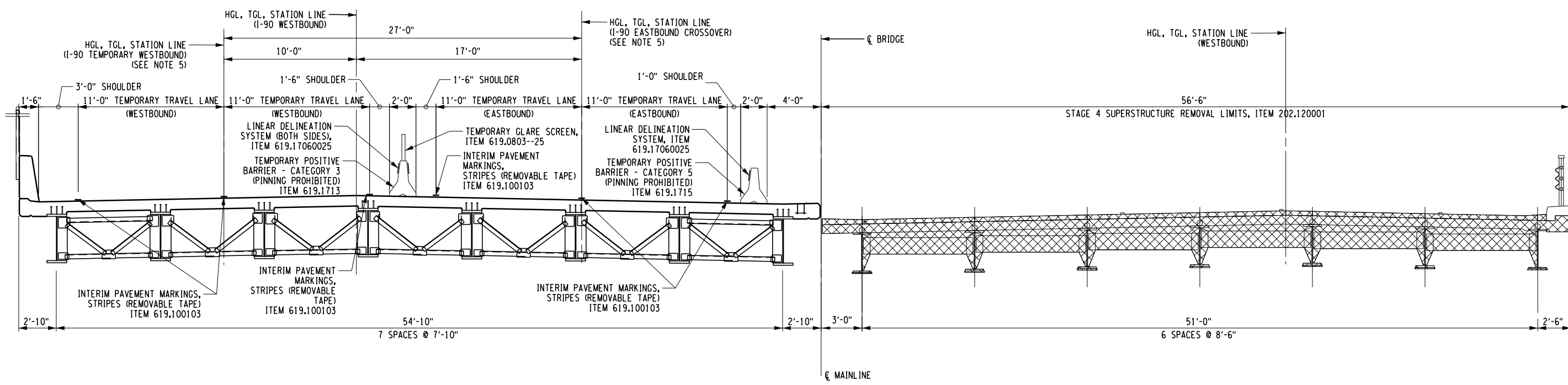
CHECKED BY: D. LEVINE

DRAFTED BY: LTESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



NOTES:

1. FOR SUPERSTRUCTURE REMOVAL NOTES, SEE DRAWING GNN-02.
2. FOR FULL LIST OF WORK ZONE TRAFFIC CONTROL STAGES AND DETAILS, SEE TC-01 THRU TC-27, SCP-01 THRU SCP-02.
3. FOR GUIDE RAIL REMOVAL DETAILS, SEE GR-01 AND GR-02
4. ALL DIMENSIONS ARE SHOWN NORMAL TO HIGHWAY STATION LINES.
5. FOR TEMPORARY ALIGNMENT INFORMATION SEE ALIGNMENT TABLES DRAWING TC-27.

LEGEND:

☒ - SUPERSTRUCTURE REMOVAL

ALTERED ON: _____ AFFIXED ON: 04/18/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE
STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING STAGE CONSTRUCTION SECTIONS (SHEET 2 OF 2)	DRAWING NUMBER: ST-4

M.P. 238.22, BIN 5009929

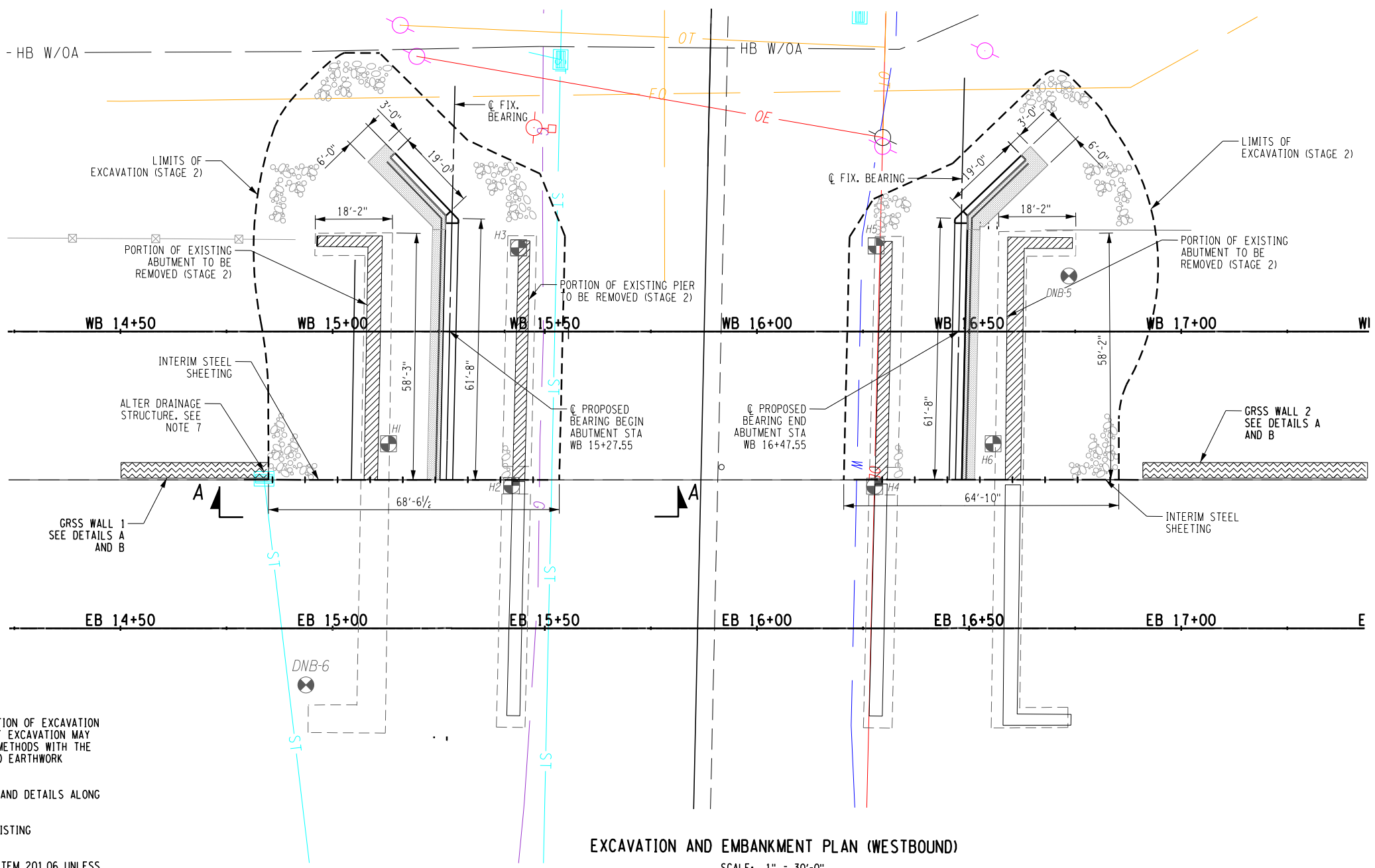
CHECKED BY: D. LEVINE

DRAFTED BY: LITNESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



EXCAVATION AND EMBANKMENT PLAN (WESTBOUND)
SCALE: 1" = 30'-0"

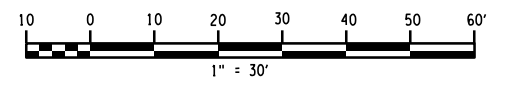
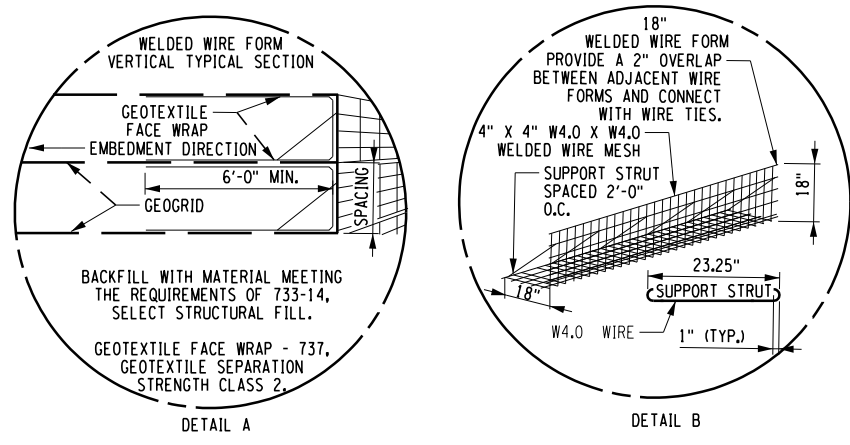
- NOTES:
1. DIMENSION SHOWN ARE TO AID IN THE DETERMINATION OF EXCAVATION LIMITS AND ARE TO BE FIELD VERIFIED. LIMITS OF EXCAVATION MAY BE MODIFIED TO SUIT CONTRACTOR'S MEANS AND METHODS WITH THE APPROVAL OF THE ENGINEER. FOR EXCAVATION AND EARTHWORK SECTIONS, SEE DWGS. ST-7 TO ST-9
 2. FOR WORK ZONE TRAFFIC CONTROL PLANS, NOTES AND DETAILS ALONG I-90, SEE DWGS. TC-1 TO TC-27.
 3. FOR INFORMATION REGARDING THE REMOVAL OF EXISTING SUBSTRUCTURE, SEE DWGS. ST-10 TO ST-17.
 4. ALL TREE REMOVALS SHALL BE INCLUDED UNDER ITEM 201.06 UNLESS OTHERWISE NOTED. NO SEPARATE PAYMENT SHALL BE MADE.
 5. FOR MAINLINE PAVEMENT RECONSTRUCTION IN THE VICINITY OF BRIDGE EXCAVATION, SEE DWGS TYP-2.
 6. SEE CONTRACT PROPOSAL FOR BORINGS LOGS.
 7. PROTECT EXISTING DRAINAGE STRUCTURE DURING CONSTRUCTION. FOR DETAILS OF ALTERATION, SEE MSC-02 AND GNP-01.
 8. GRSS WALL LIMITS SHOWN ARE APPROXIMATE AND THE CONTRACTOR MAY MODIFY TO SUIT THEIR MEANS AND METHODS WITH THE APPROVAL OF THE ENGINEER. CONTRACTOR MAY ELECT TO LAY BACK SLOPE OR USE ALTERNATIVE GRSS WALL WITH THE APPROVAL OF THE ENGINEER.

- LEGEND
- ENBAKMENT IN PLACE (ITEM 203.03)
 - SELECT STRUCTURAL FILL (ITEM 203.21)
 - REMOVAL OF SUBSTRUCTURE (ITEM 202.19)
 - GEO SYNTHETICALLY REINFORCED SOIL SYSTEM SLOPE (G.R.S.S.) (ITEM 554.3001)
 - PAYMENT LINE FOR STRUCTURE EXCAVATION (ITEM 206.01)
 - PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN (ITEM 207.27)
 - DESIGNATES PAYMENT LINES FOR INTERIM STEEL SHEETING (552.15)
 - DHB-# EXISTING BORING LOCATION (2016)
 - H-# EXISTING BORING LOCATION (1952)

THE FOLLOWING INFORMATION WAS USED IN THE DESIGN OF THE GEOSYNTHETICALLY REINFORCED SOIL SYSTEM (GRSS) WALL.

ITEM NUMBER	MAXIMUM DESIGN HEIGHT (FT)	LONG TERM DESIGN TENSILE STRENGTH, T (LB/FT)	MINIMUM REINFORCEMENT LENGTH (FT)	VERTICAL SPACING (IN)	GRSS WALL 1 LIMITS (SEE NOTE 8)	GRSS WALL 2 LIMITS (SEE NOTE 8)
554.3001	3.0	600.0	6.0	18	STA WB 14+50 STA WB 14+80	STA WB 16+75 STA WB 19+50

THE SPECIFICATIONS AND STANDARD SHEETS FOR ITEM 554 ARE TO BE CONSULTED FOR ALL REQUIREMENTS AND APPLICABLE STANDARD INSTALLATION DETAILS FOR THESE STRUCTURES.



ALTERED ON: _____ AFFIXED ON: 04/18/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE STAMP: _____

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REVISIONS

DATE	DESCRIPTION	BY	SYL

PARSONS

TITLE OF PROJECT: REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
 LOCATION OF PROJECT: SYRACUSE DIVISION MP 238.22
 TITLE OF DRAWING: EXCAVATION AND EMBANKMENT PLAN WESTBOUND REPLACEMENT

CONTRACT NUMBER: TAS 24-20B
 DATE: 04/03/2024
 DRAWING NUMBER: ST-5

M.P. 238.22, BIN 5009929

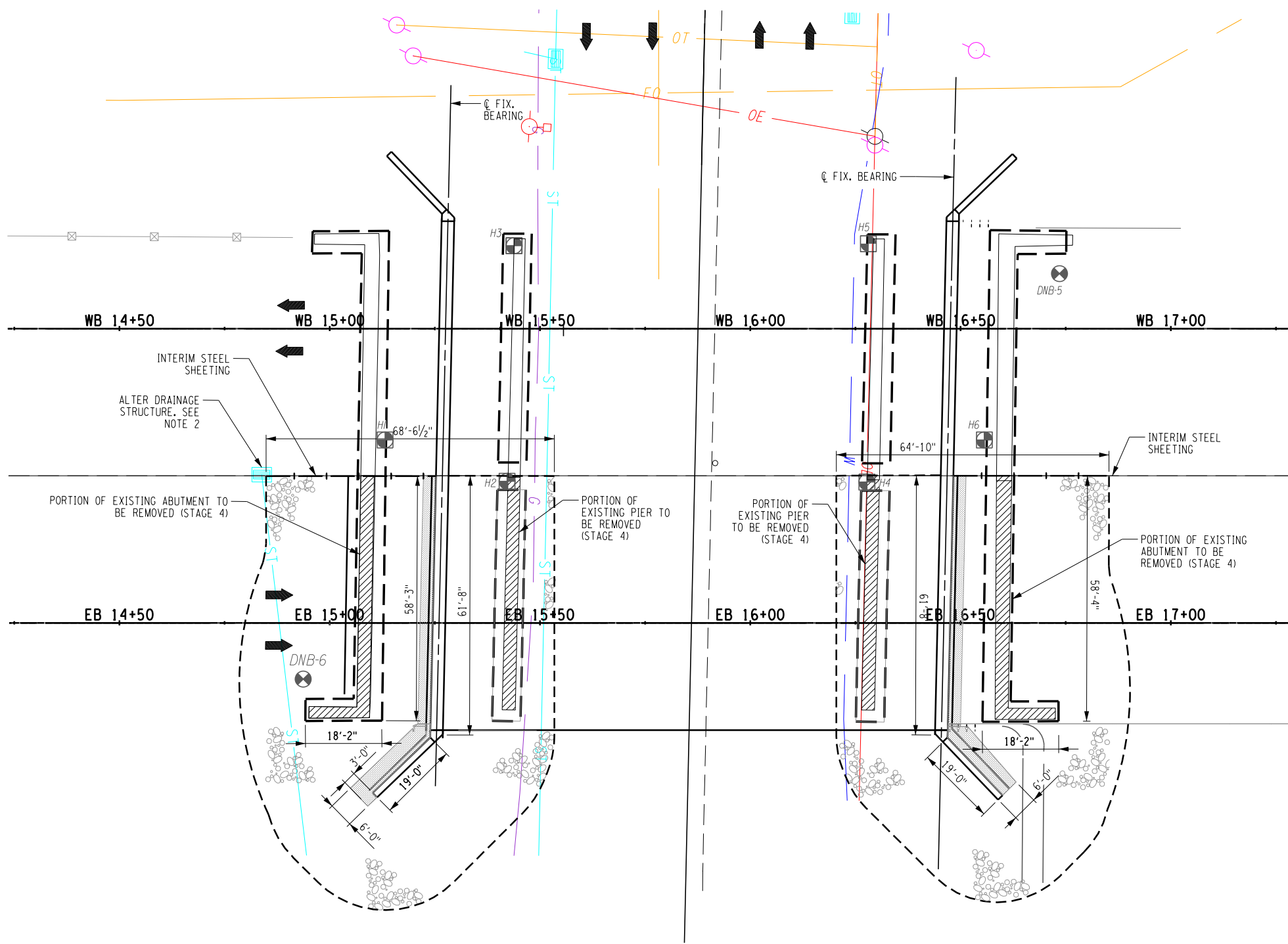
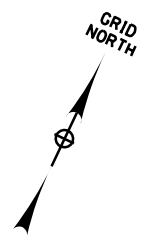
CHECKED BY: D. LEVINE

DRAFTED BY: L. TESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

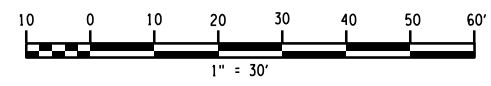
DESIGN SUPERVISOR: D. LEVINE



- LEGEND**
- ENBANKMENT IN PLACE (ITEM 203.03)
 - SELECT STRUCTURAL FILL (ITEM 203.21)
 - REMOVAL OF SUBSTRUCTURE (ITEM 202.19)
 - PAYMENT LINE FOR STRUCTURE EXCAVATION (ITEM 206.01)
 - PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN (ITEM 207.27)
 - DESIGNATES PAYMENT LINES FOR INTERIM STEEL SHEETING (552.15)
 - DHB-# EXISTING BORING LOCATION (2016)
 - H-# EXISTING BORING LOCATION (1952)

- NOTES:**
- SEE DWG. NO. ST-5 FOR ADDITIONAL NOTES.
 - PROTECT EXISTING DRAINAGE STRUCTURE DURING CONSTRUCTION. FOR DETAILS OF ALTERATION, SEE MSC-02 AND GNP-01.

EXCAVATION AND EMBANKMENT PLAN (EASTBOUND)
SCALE: 1" = 30'-0"



ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 04/18/2024 SIGNATURE: DANIEL A. LEVINE STAMP: <div style="text-align: center; margin-top: 10px;"> </div>
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EXCAVATION AND EMBANKMENT PLAN EASTBOUND REPLACEMENT	DRAWING NUMBER: ST-6

M.P. 238.22, BIN 5009929

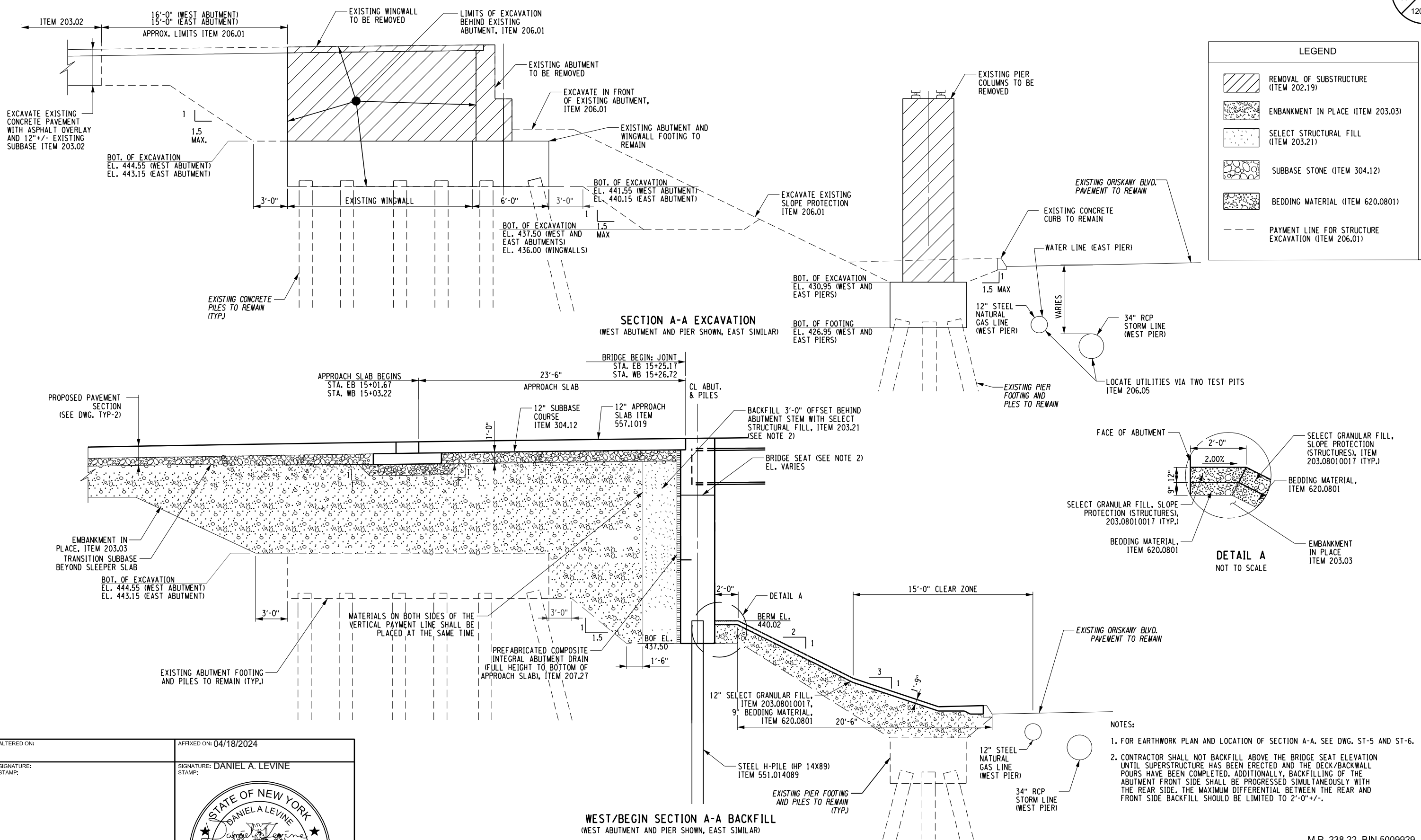
CHECKED BY: D. LEVINE

DRAFTED BY: LITNESNER

CHECKED BY: D. LEVINE

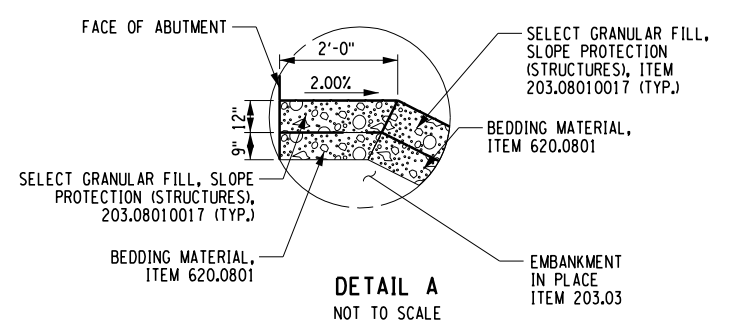
DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



LEGEND

- REMOVAL OF SUBSTRUCTURE (ITEM 202.19)
- ENBANKMENT IN PLACE (ITEM 203.03)
- SELECT STRUCTURAL FILL (ITEM 203.21)
- SUBBASE STONE (ITEM 304.12)
- BEDDING MATERIAL (ITEM 620.0801)
- PAYMENT LINE FOR STRUCTURE EXCAVATION (ITEM 206.01)



- NOTES:**
- FOR EARTHWORK PLAN AND LOCATION OF SECTION A-A, SEE DWG. ST-5 AND ST-6.
 - CONTRACTOR SHALL NOT BACKFILL ABOVE THE BRIDGE SEAT ELEVATION UNTIL SUPERSTRUCTURE HAS BEEN ERECTED AND THE DECK/BACKWALL POURS HAVE BEEN COMPLETED. ADDITIONALLY, BACKFILLING OF THE ABUTMENT FRONT SIDE SHALL BE PROGRESSSED SIMULTANEOUSLY WITH THE REAR SIDE. THE MAXIMUM DIFFERENTIAL BETWEEN THE REAR AND FRONT SIDE BACKFILL SHOULD BE LIMITED TO 2'-0" +/-.

WEST/BEGIN SECTION A-A BACKFILL
(WEST ABUTMENT AND PIER SHOWN, EAST SIMILAR)

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EXCAVATION AND EARTHWORK SECTIONS	DRAWING NUMBER: ST-7

M.P. 238.22, BIN 5009929

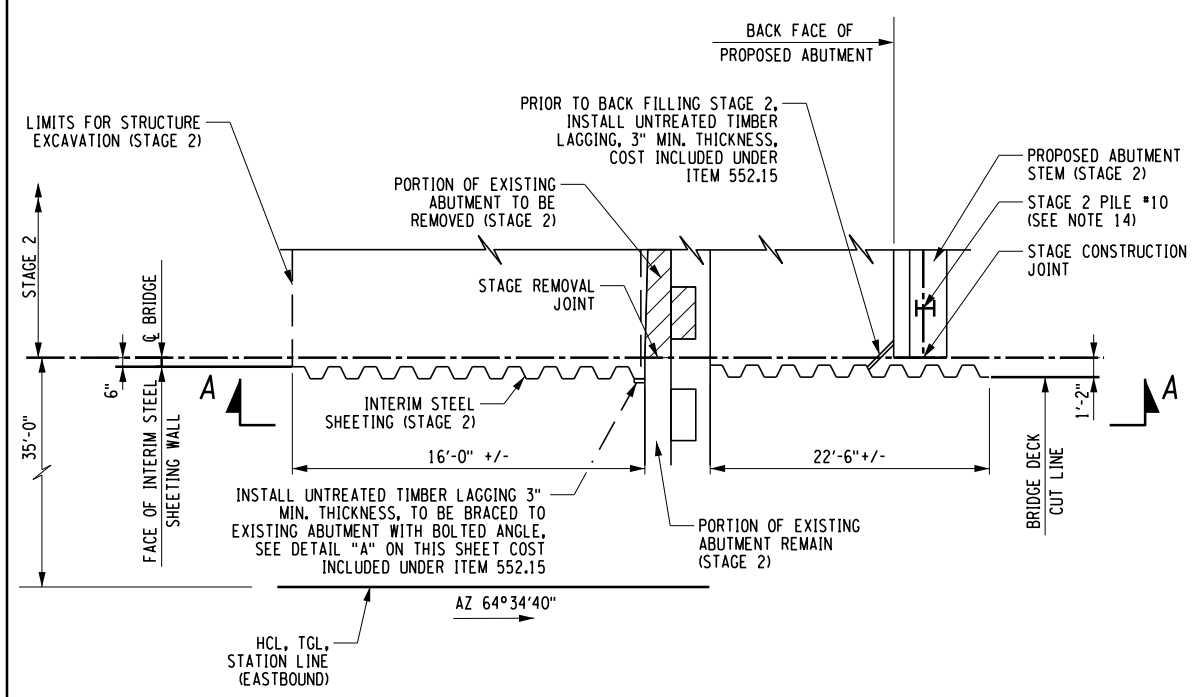
CHECKED BY: D. LEVINE

DRAFTED BY: LTESNER

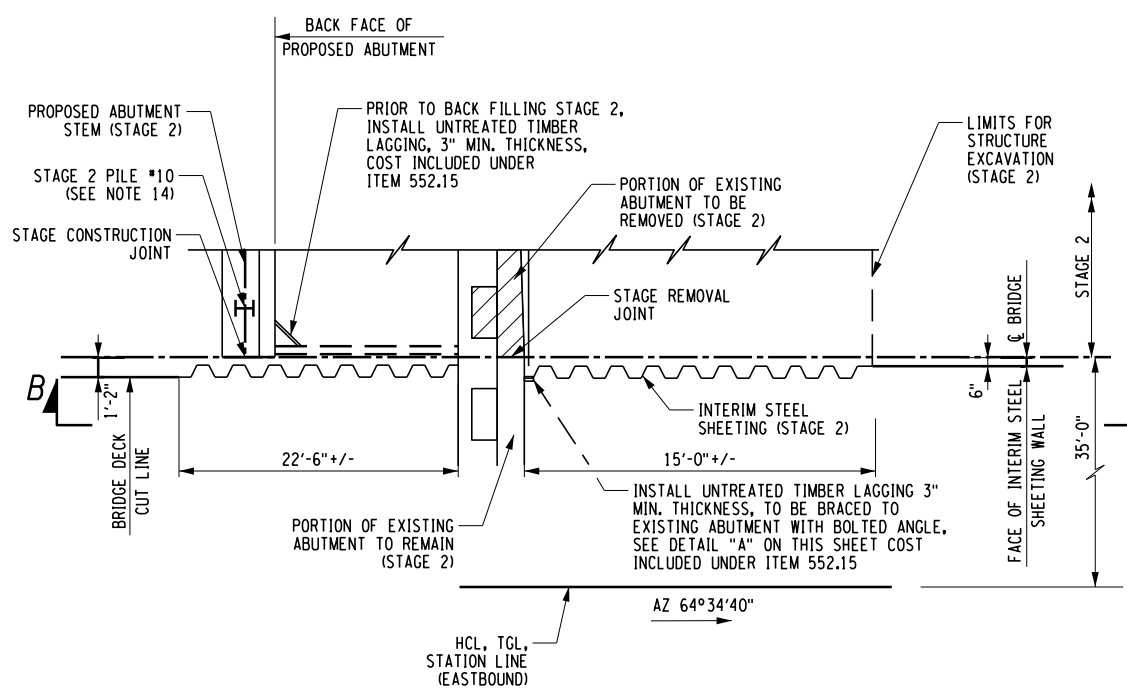
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

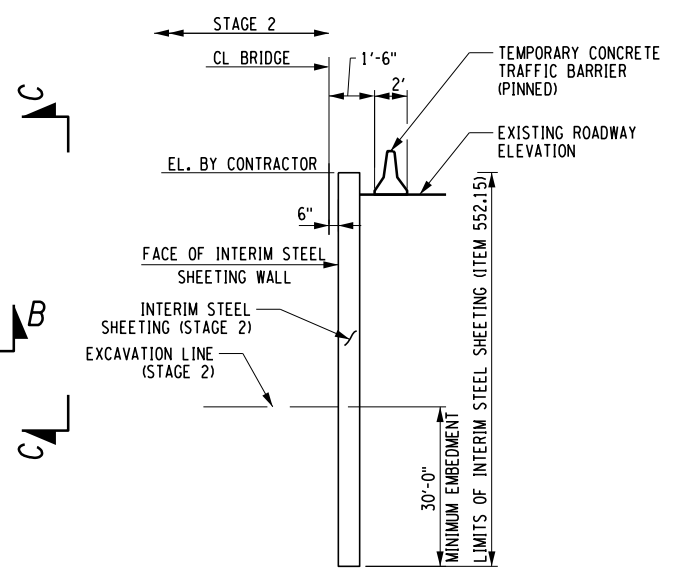
DESIGN SUPERVISOR: D. LEVINE



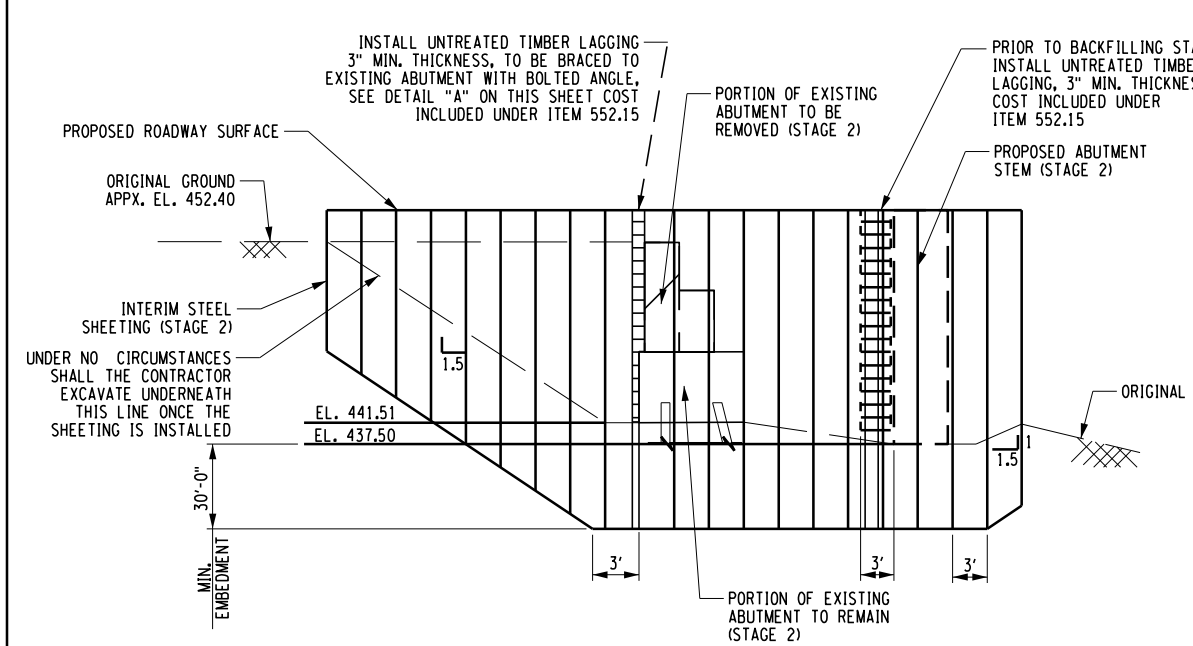
STAGE 2 INTERIM STEEL SHEETING WALL (BEGIN ABUTMENT)
NOT TO SCALE



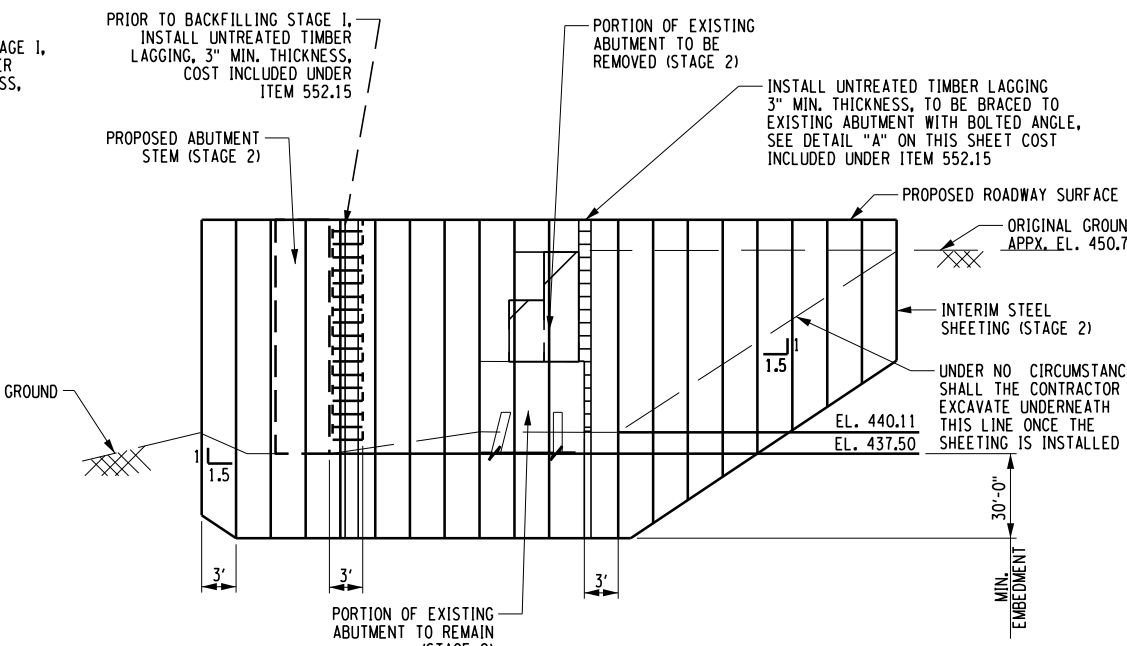
STAGE 2 INTERIM STEEL SHEETING WALL (END ABUTMENT)
NOT TO SCALE



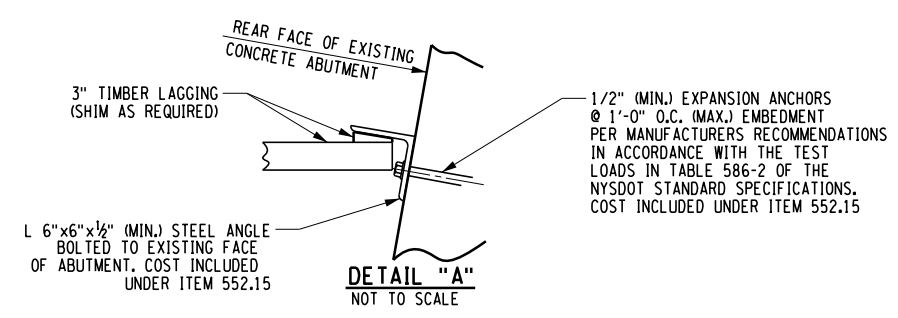
SECTION C-C - INTERIM STEEL SHEETING WALL
NOT TO SCALE



ELEVATION A-A - STAGE 2 INTERIM STEEL SHEETING WALL (BEGIN ABUTMENT)
NOT TO SCALE



ELEVATION B-B - STAGE 2 INTERIM STEEL SHEETING WALL (END ABUTMENT)
NOT TO SCALE



DETAIL "A"
NOT TO SCALE

NOTES:

- THE CONTRACTOR MAY PROPOSE AN ALTERNATE METHOD OF CONSTRUCTION SUPPORT. ANY ALTERNATE METHODS PROPOSED MUST BE AT NO ADDITIONAL COST TO THE AUTHORITY, DESIGNED FOR THE ANTICIPATED CONSTRUCTION LOADING, DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER ACTIVELY PRACTICING AND LICENSED IN THE STATE OF NEW YORK, AND BE SUBMITTED TO THE AUTHORITY/OWNER AND THE EIC FOR REVIEW AND APPROVAL. APPROVAL OF ANY ALTERNATE METHODS OF CONSTRUCTION SUPPORT ARE AT THE DISCRETION OF THE EIC AND THE AUTHORITY/OWNER. NO ALTERNATE METHODS OF EXCAVATION SUPPORT SHALL BE IMPLEMENTED WITHOUT PRIOR APPROVAL FROM THE EIC AND AUTHORITY/OWNER.
- THE STEEL SHEETING SHALL CONFORM TO ASTM A572, GRADE 50.
- THE MINIMUM SECTION MODULUS OF THE STEEL SHEETING SHALL BE 89.28 IN³/FT.
- THE MAXIMUM DEPTH OF EXCAVATION FOR THE STEEL SHEETING IS 15 FEET.
- THE MINIMUM EMBEDMENT LENGTH FOR THE STEEL SHEETING IS 30 FEET.
- COLD-FORMED STEEL SHEETING MAY BE USED FOR THE INTERIM STEEL SHEETING AT THE BEGIN AND END ABUTMENTS.
- CUT OFF THE INTERIM SHEETING, ITEM 552.15, TWO FEET BELOW SUBGRADE SURFACE.
- THE FOLLOWING INFORMATION WAS USED IN THE DESIGN OF THE INTERIM STEEL SHEETING WALLS.

INTERIM STEEL SHEETING WALL DESIGN INFORMATION TABLE				
LOCATION	ELEVATION (FT)	UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)	COHESION (PSF)
BEGIN & END ABUTMENT	OGS-433	115	33	0
BEGIN & END ABUTMENT	433-425	110	32	0
BEGIN & END ABUTMENT	425-417	110	30	0
BEGIN & END ABUTMENT	417-400	130	40	0

- THE PASSIVE EARTH PRESSURE COEFFICIENT (kp) WAS DIVIDED BY 1.25
- GROUNDWATER WAS ASSUMED AT ELEVATION 429 FEET.
 - A SURFACE LOAD OF 250 PSF WAS APPLIED AT THE TOP OF THE WALL.
 - BORINGS WERE TAKEN TO AN ELEVATION OF 382 FT. BEDROCK WAS NOT ENCOUNTERED.
 - CONTRACTOR SHALL TAKE NOTICE OF THE PROXIMITY OF PILES (BEGIN AND END ABUTMENT) TO THE INTERIM SHEETING WALL. CONTRACTOR IS RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN THE INTERIM SHEETING WALL AND THE INTEGRAL ABUTMENT PILES.
 - DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTERNATIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALE IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.

M.P. 238.22, BIN 5009929

ALTERED ON: _____ AFFIXED ON: 04/18/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING INTERIM STEEL SHEETING WALL PLAN AND ELEVATION WESTBOUND REPLACEMENT	DRAWING NUMBER: ST-8

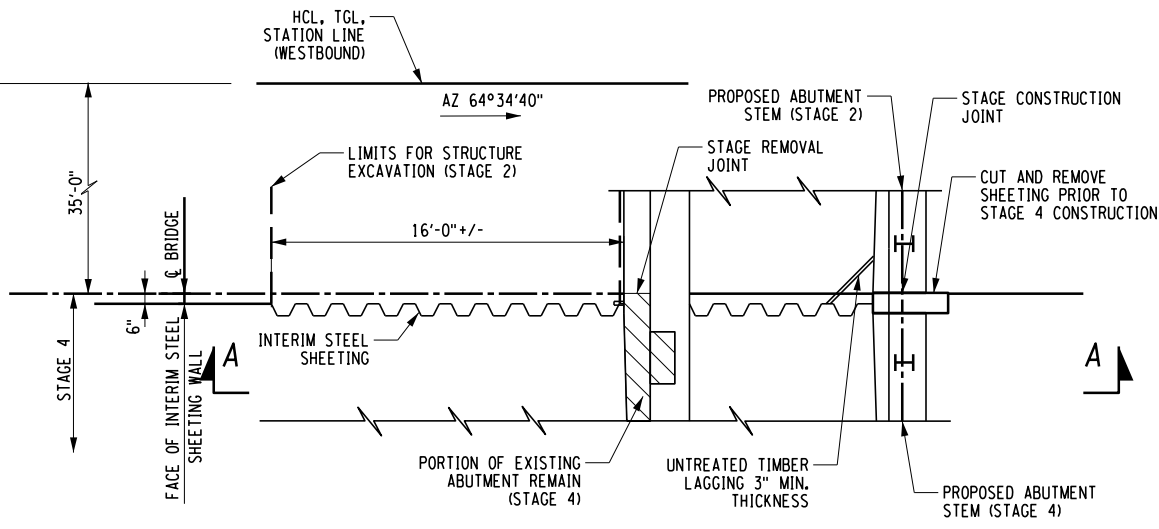
CHECKED BY: D. LEVINE

DRAFTED BY: LITNESNER

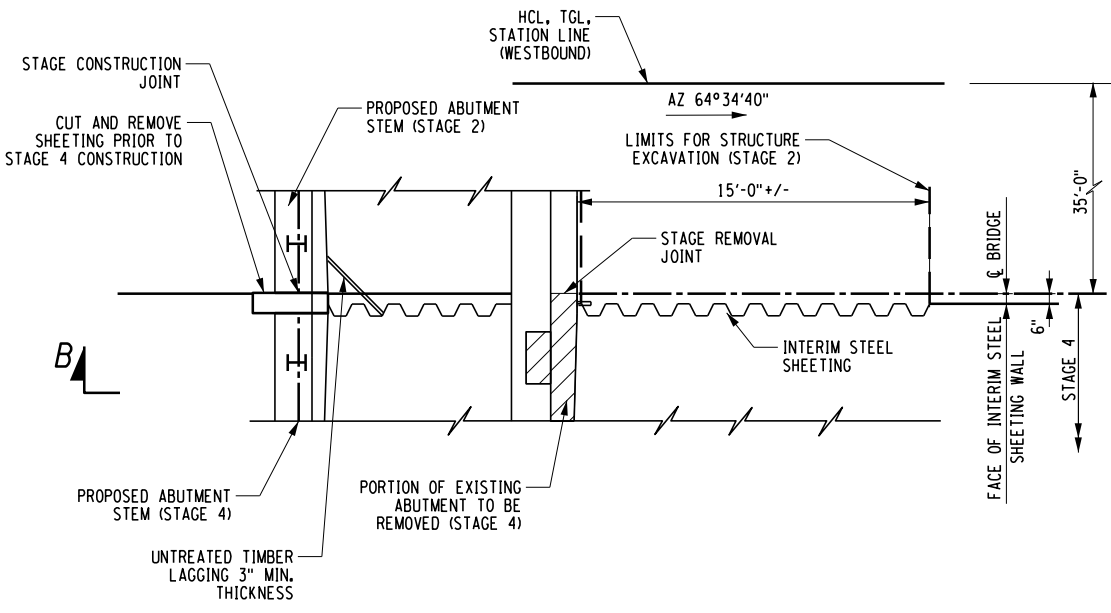
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DESIGNED BY: J.P. O'LOUGHLIN

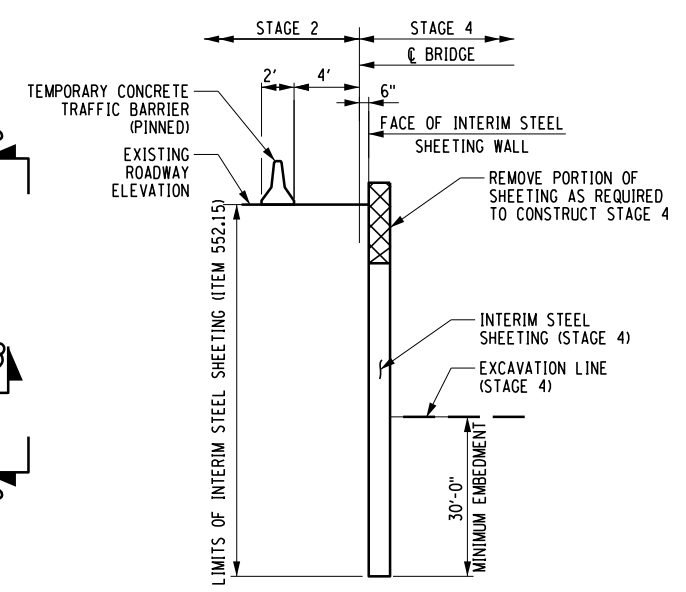
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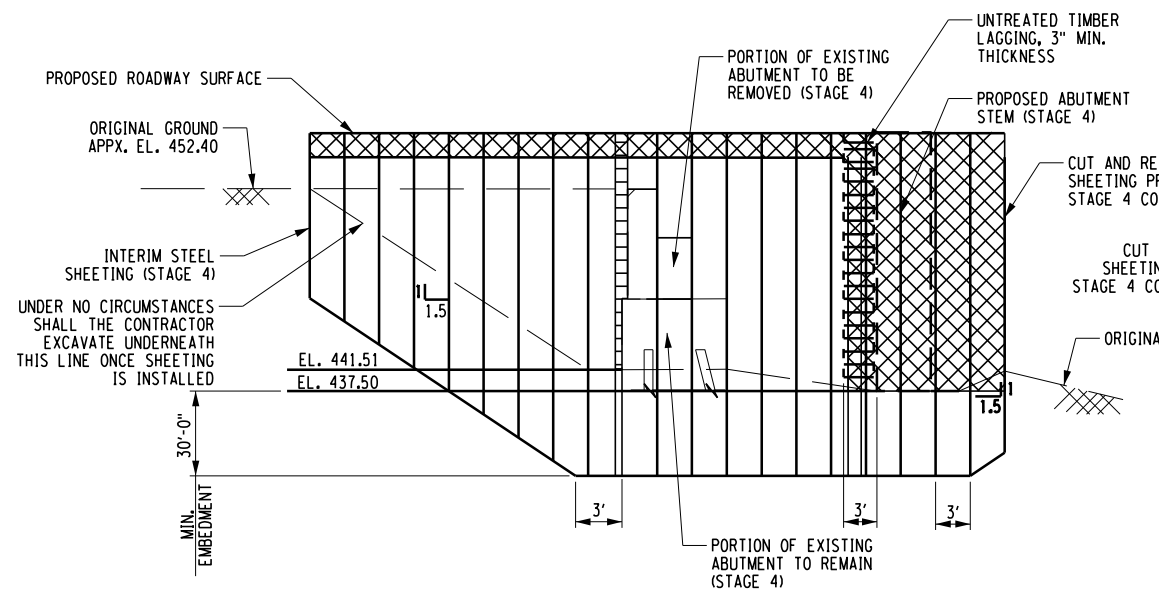
STAGE 4 INTERIM STEEL SHEETING WALL (BEGIN ABUTMENT)
NOT TO SCALE



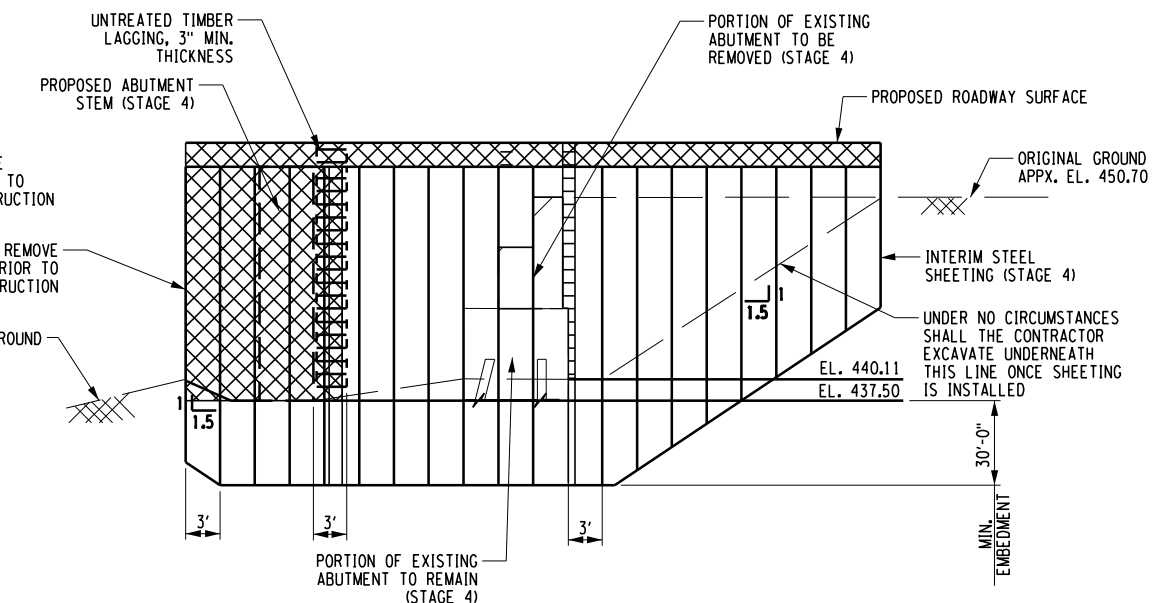
STAGE 4 INTERIM STEEL SHEETING WALL (END ABUTMENT)
NOT TO SCALE



SECTION C-C - INTERIM STEEL SHEETING WALL
NOT TO SCALE



ELEVATION A-A - STAGE 4 INTERIM STEEL SHEETING WALL (BEGIN ABUTMENT)
NOT TO SCALE



ELEVATION B-B - STAGE 4 INTERIM STEEL SHEETING WALL (END ABUTMENT)
NOT TO SCALE

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING INTERIM STEEL SHEETING WALL PLAN AND ELEVATION STAGE 2	DRAWING NUMBER: ST-9

NOTES:
1. SEE DRAWING NO. ST-8 FOR STEEL SHEETING NOTES.

M.P. 238.22, BIN 5009929

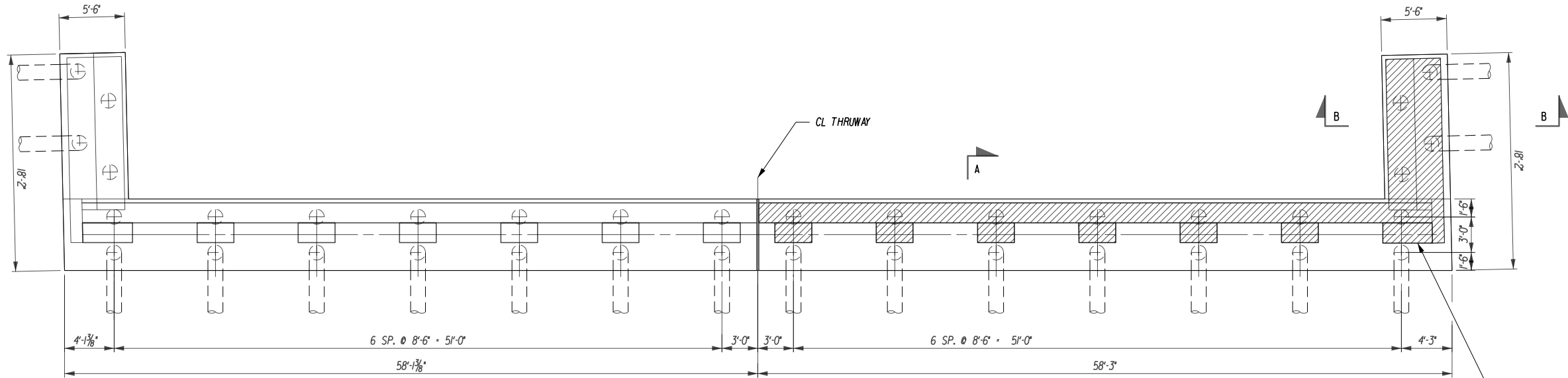
CHECKED BY: D. LEVINE

DRAFTED BY: LITNESNER

CHECKED BY: D. LEVINE

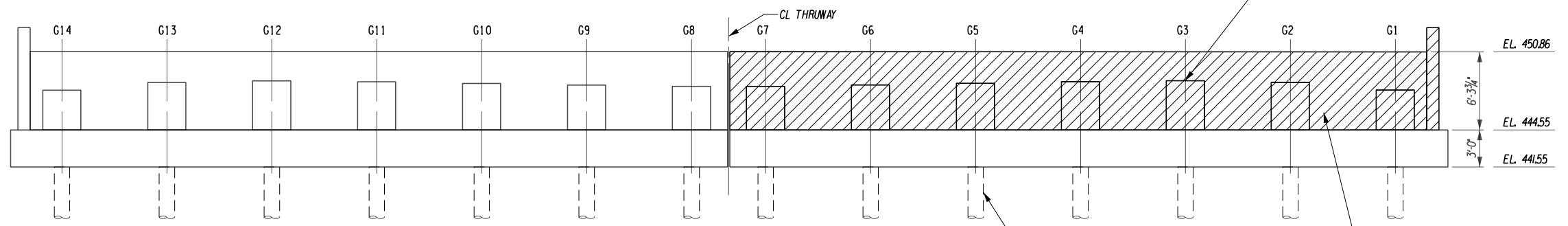
DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



EXISTING BEGIN ABUTMENT REMOVAL PLAN
SCALE: 3/32"=1'-0"

PORTION OF EXISTING SUBSTRUCTURE TO BE REMOVED

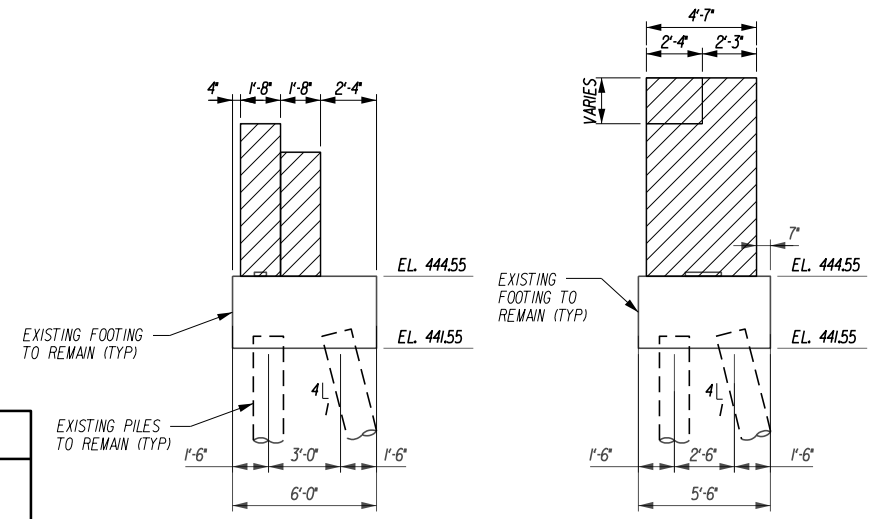


EXISTING BEGIN ABUTMENT REMOVAL ELEVATION
SCALE: 3/32"=1'-0"

CONCRETE REMOVAL TABLE	
ABUTMENTS, PEDESTALS & WINGWALLS	ITEM 202.19
PEDESTALS	6 CY
ABUTMENT STEM	23 CY
WINGWALL	16 CY
TOTAL (THIS SHEET)	45 CY

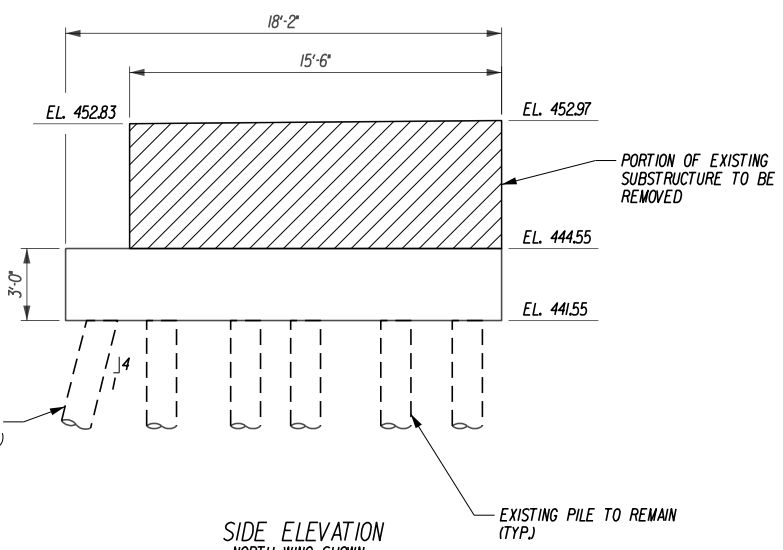
LEGEND:
 REMOVAL OF SUBSTRUCTURES ITEM 202.19

- NOTES:**
- THE ELEVATIONS SHOWN ARE REFERENCED TO THIS PROJECT DATUM (NAVD 88). THE ORIGINAL 1953 RECORD PLANS ARE ASSUMED TO REFERENCE THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29). THE CONVERSION BETWEEN THIS PROJECT DATUM (NAVD 88) AND THE ORIGINAL DATUM (NGVD 29) IS AS FOLLOWS:
 NAVD 88 ELEVATION: NGVD 29 ELEVATION - 0.551 FT.
 - FOR EXISTING ABUTMENT REMOVAL EXCAVATION AND EARTHWORK DETAILS, SEE DRAWINGS ST-5 TO ST-7



ABUTMENT SECTION SECTION A-A
SCALE: 1/8"=1'-0"

WINGWALL SECTION SECTION B-B
SCALE: 1/8"=1'-0"



SIDE ELEVATION NORTH WING SHOWN (SOUTH SIMILAR)
SCALE: 1/8"=1'-0"

TABLE OF PEDESTAL ELEVATIONS	
WEST ABUTMENT	
GIRDER 1	447.71
GIRDER 2	448.31
GIRDER 3	448.44
GIRDER 4	448.37
GIRDER 5	448.24
GIRDER 6	448.11
GIRDER 7	448.02

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE

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

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EXISTING BEGIN ABUTMENT REMOVAL PLAN AND ELEVATION WESTBOUND REMOVAL	DRAWING NUMBER: ST-10

M.P. 238.22, BIN 5009929

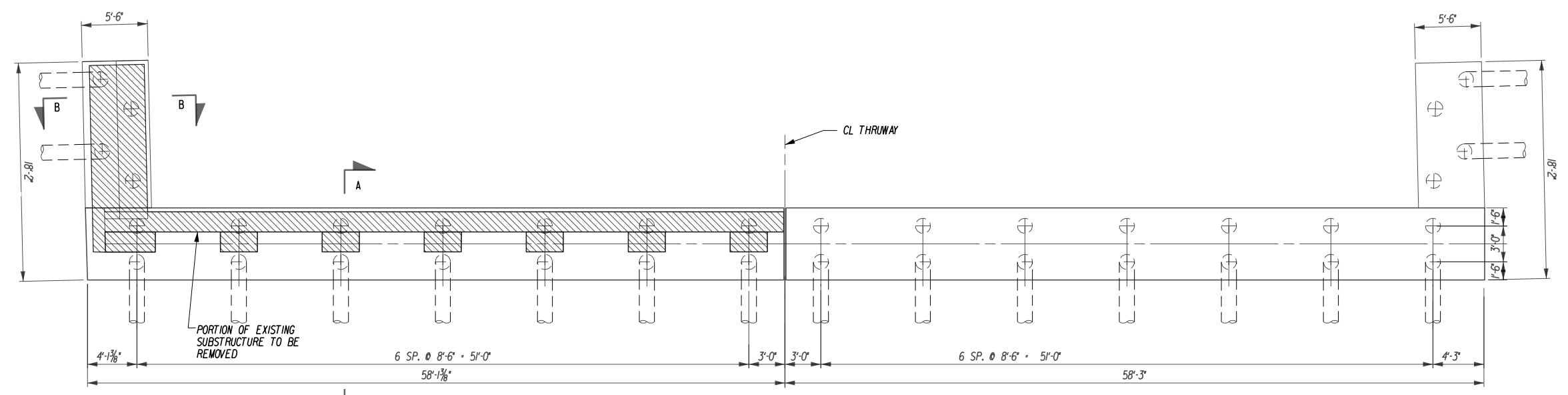
CHECKED BY: D. LEVINE

DRAFTED BY: L. TESNER

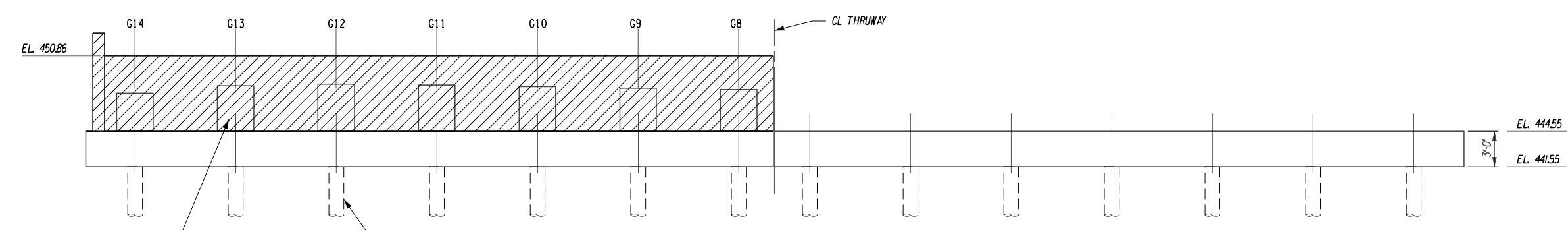
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



EXISTING BEGIN ABUTMENT REMOVAL PLAN
SCALE: 3/32"=1'-0"



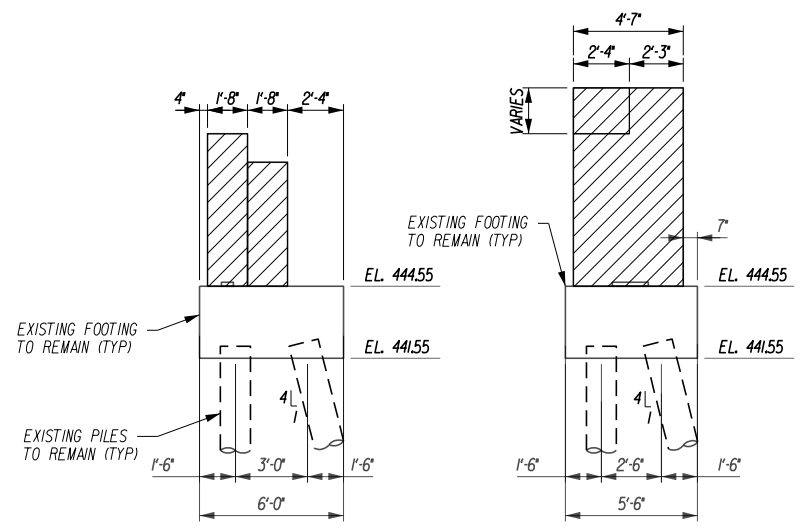
EXISTING BEGIN ABUTMENT REMOVAL ELEVATION
SCALE: 3/32"=1'-0"

LEGEND:
[Hatched Box] REMOVAL OF SUBSTRUCTURES ITEM 202.19

NOTES:
1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-10.

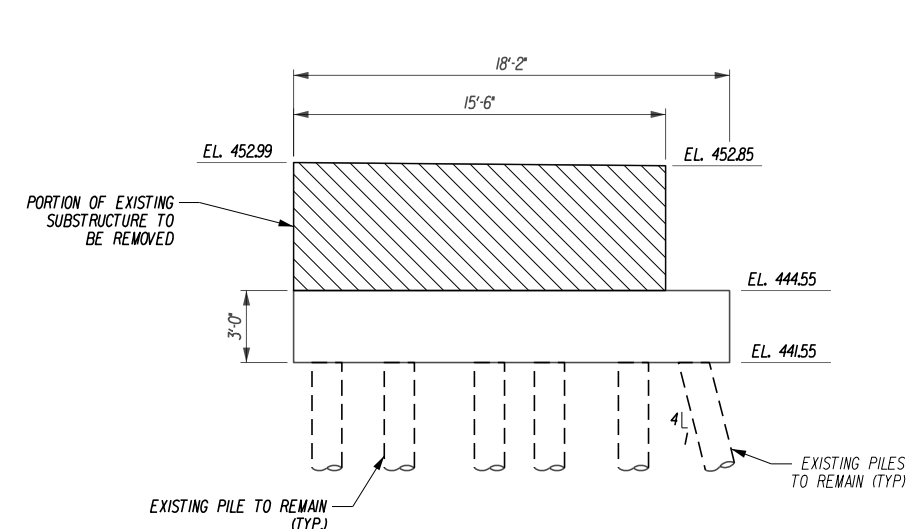
CONCRETE REMOVAL TABLE	
ABUTMENTS, PEDESTALS & WINGWALLS	ITEM 202.19
PEDESTALS	6 CY
ABUTMENT STEM	23 CY
WINGWALL	16 CY
TOTAL (THIS SHEET)	45 CY

TABLE OF PEDESTAL ELEVATIONS	
	WEST ABUTMENT
GIRDER 8	448.02
GIRDER 9	448.11
GIRDER 10	448.25
GIRDER 11	448.38
GIRDER 12	448.46
GIRDER 13	448.32
GIRDER 14	447.73



ABUTMENT SECTION SECTION A-A
SCALE: 1/8"=1'-0"

WINGWALL SECTION SECTION B-B
SCALE: 1/8"=1'-0"



SIDE ELEVATION SOUTH WING SHOWN (NORTH SIMILAR)
SCALE: 1/8"=1'-0"

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: [Blank]	SIGNATURE: DANIEL A. LEVINE

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

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EXISTING BEGIN ABUTMENT REMOVAL PLAN AND ELEVATION EASTBOUND REMOVAL	DRAWING NUMBER: ST-11

M.P. 238.22, BIN 5009929

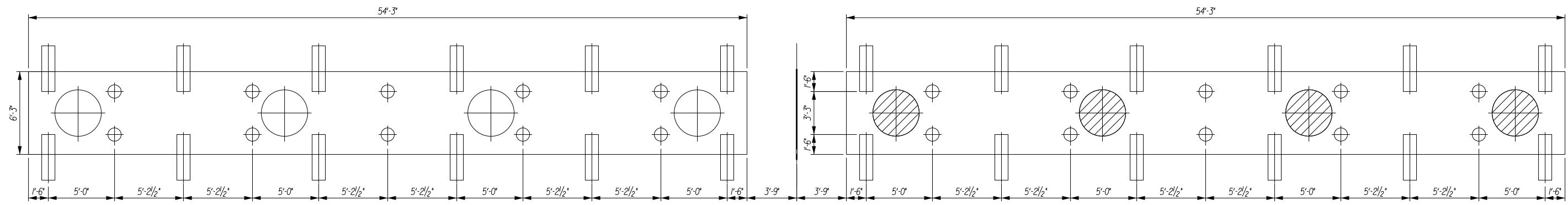
CHECKED BY: D. LEVINE

DRAFTED BY: LITNESNER

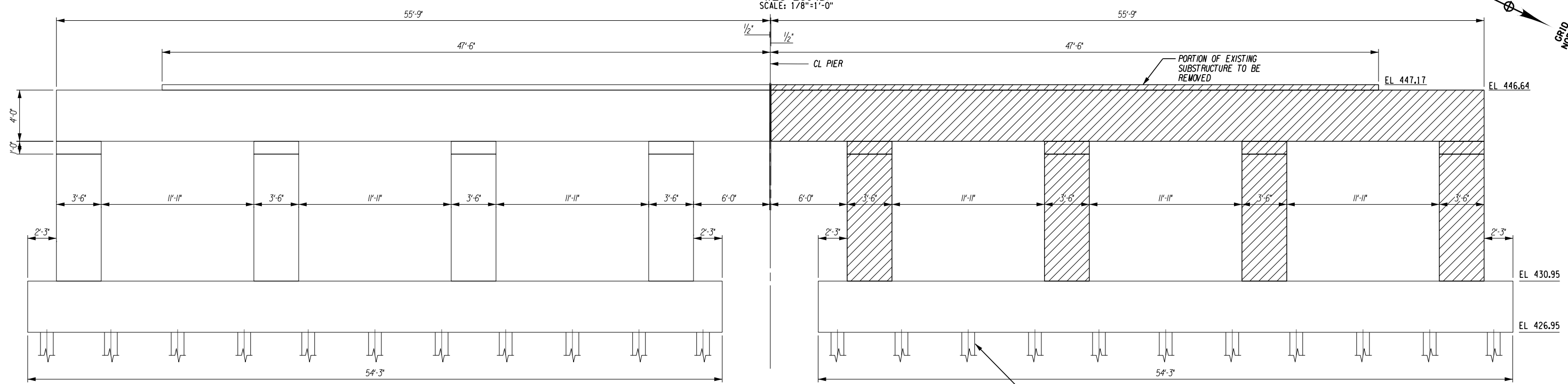
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

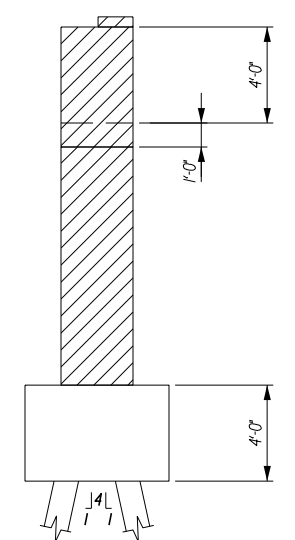
DESIGN SUPERVISOR: D. LEVINE



**EXISTING PIER I (WEST) REMOVAL PLAN
(WESTBOUND)**
SCALE: 1/8"=1'-0"



**EXISTING PIER I (WEST) REMOVAL ELEVATION
(WESTBOUND)**
SCALE: 1/8"=1'-0"



EXISTING WEST PIER TYPICAL SECTION
SCALE: 1/8"=1'-0"

REMOVAL LEGEND:
 REMOVAL OF SUBSTRUCTURES ITEM 202.19

NOTES:
 1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-10.

CONCRETE REMOVAL TABLE	
PIERS	ITEM 202.19
COLUMNS	17 CY
PIER CAPS	29 CY
TOTAL (THIS SHEET):	46 CY

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EXISTING WEST PIER REMOVAL PLAN AND ELEVATION WESTBOUND REMOVAL	DRAWING NUMBER: ST-12

M.P. 238.22, BIN 5009929

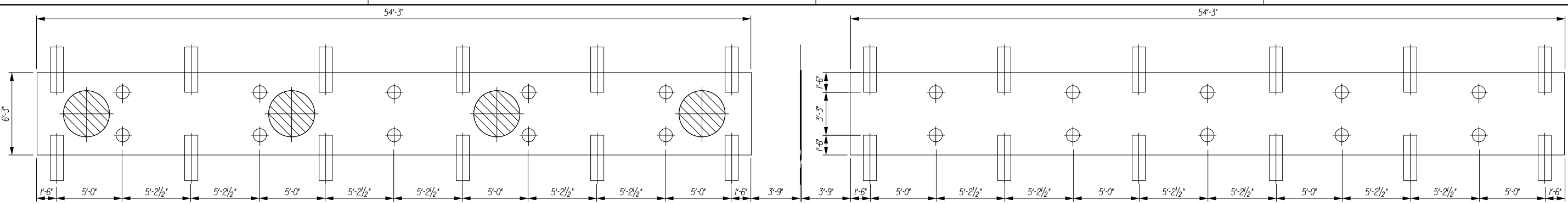
CHECKED BY: D. LEVINE

DRAFTED BY: L. TESNER

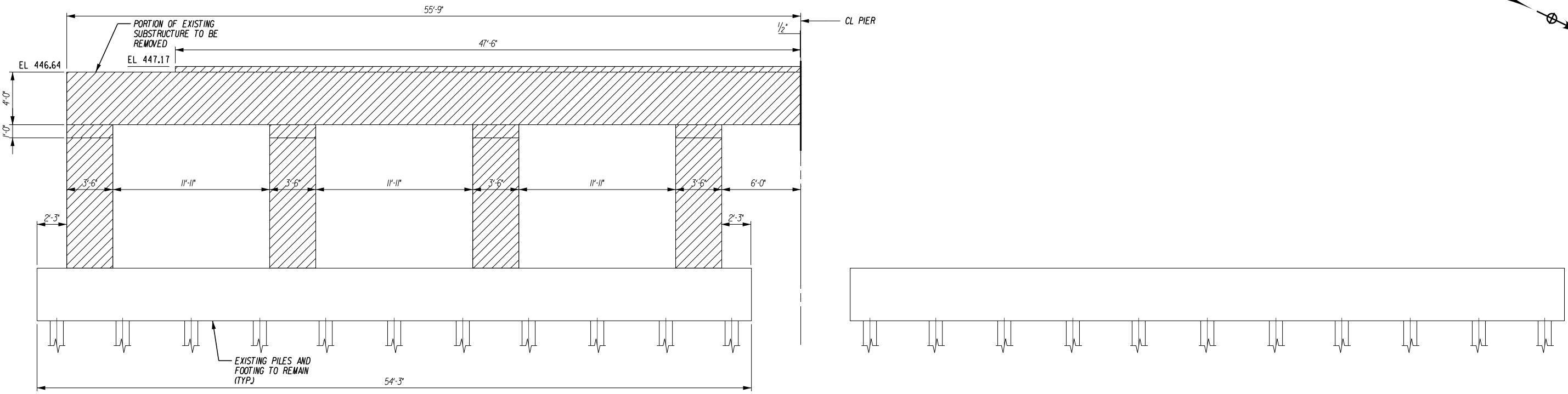
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

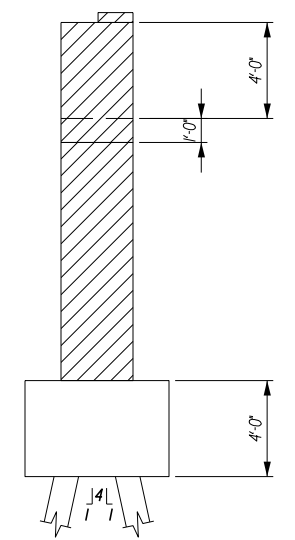
DESIGN SUPERVISOR: D. LEVINE



EXISTING PIER 1 (WEST) REMOVAL PLAN (EASTBOUND)
SCALE: 1/8"=1'-0"



EXISTING PIER 1 (WEST) REMOVAL ELEVATION (EASTBOUND)
SCALE: 1/8"=1'-0"




EXISTING WEST PIER TYPICAL SECTION
SCALE: 1/8"=1'-0"

CONCRETE REMOVAL TABLE	
PIERS	ITEM 202.19
COLUMNS	17 CY
PIER CAPS	29 CY
TOTAL (THIS SHEET):	46 CY

REMOVAL LEGEND:
 REMOVAL OF SUBSTRUCTURES ITEM 202.19

NOTES:
 1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-10.

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL





TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EXISTING WEST PIER REMOVAL PLAN AND ELEVATION EASTBOUND REMOVAL	DRAWING NUMBER: ST-13

M.P. 238.22, BIN 5009929

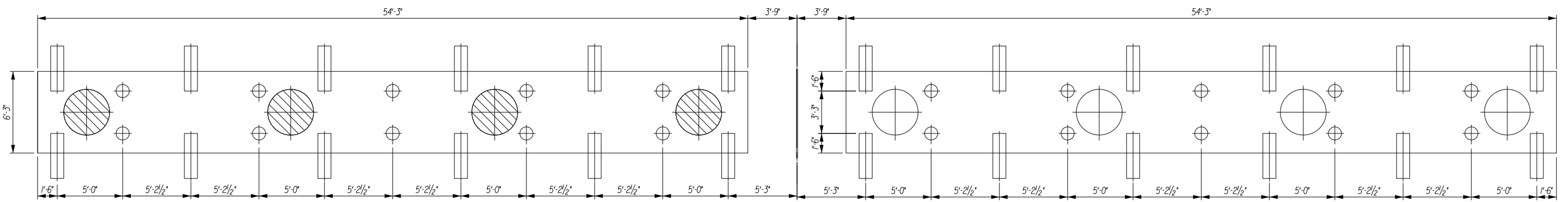
CHECKED BY: D. LEVINE

DRAFTED BY: LITNESNER

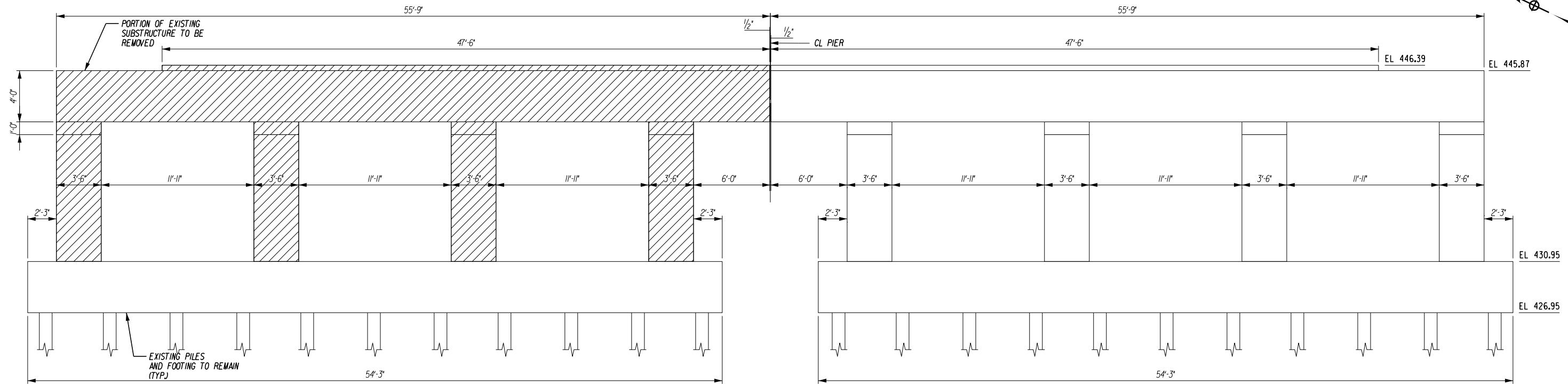
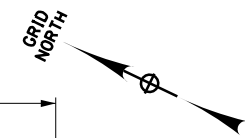
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



EXISTING PIER 2 (EAST) REMOVAL PLAN (WESTBOUND)
SCALE: 1/8"=1'-0"

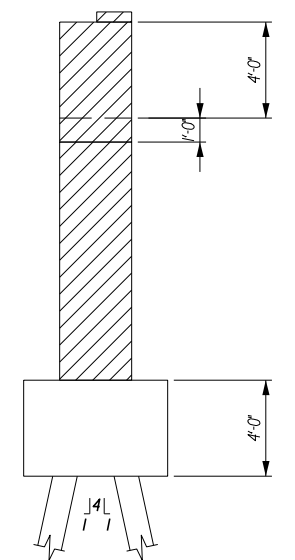


EXISTING PIER 2 (EAST) REMOVAL ELEVATION (WESTBOUND)
SCALE: 1/8"=1'-0"

REMOVAL LEGEND:
 REMOVAL OF SUBSTRUCTURES ITEM 202.19

NOTES:
 1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-10.

CONCRETE REMOVAL TABLE	
PIERS	ITEM 202.19
COLUMNS	17 CY
PIER CAPS	29 CY
TOTAL (THIS SHEET):	46 CY



EXISTING EAST PIER TYPICAL SECTION
SCALE: 1/8"=1'-0"

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EXISTING EAST PIER REMOVAL PLAN AND ELEVATION WESTBOUND REMOVAL	DRAWING NUMBER: ST-14

M.P. 238.22, BIN 5009929

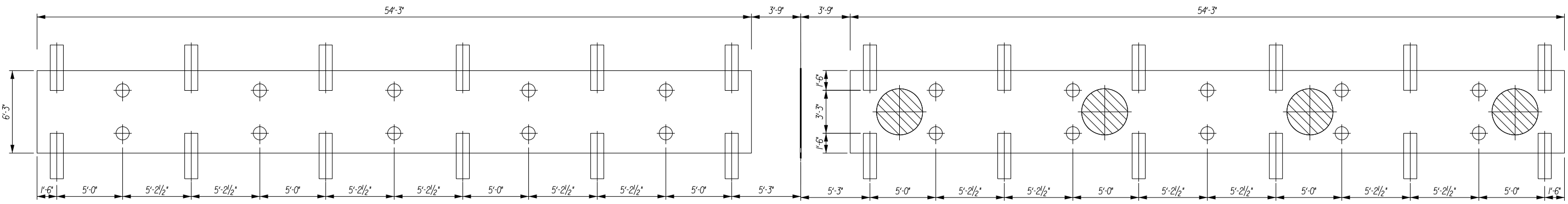
CHECKED BY: D. LEVINE

DRAFTED BY: I. TESNER

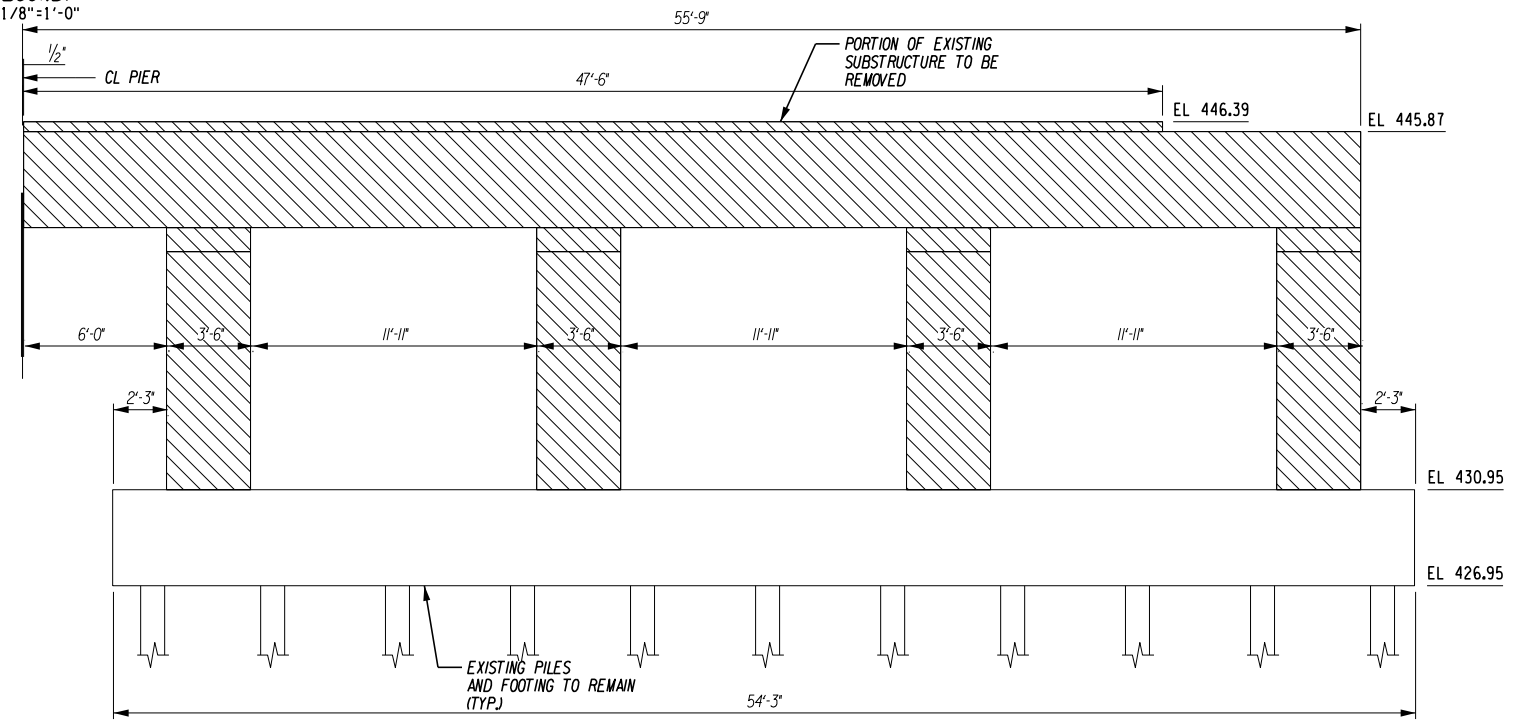
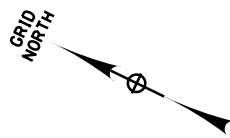
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

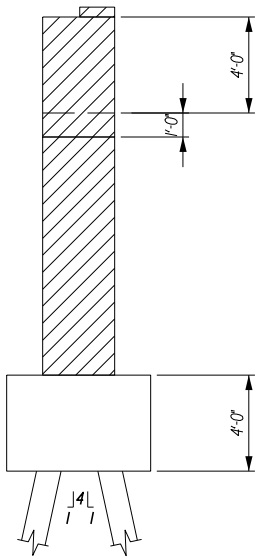
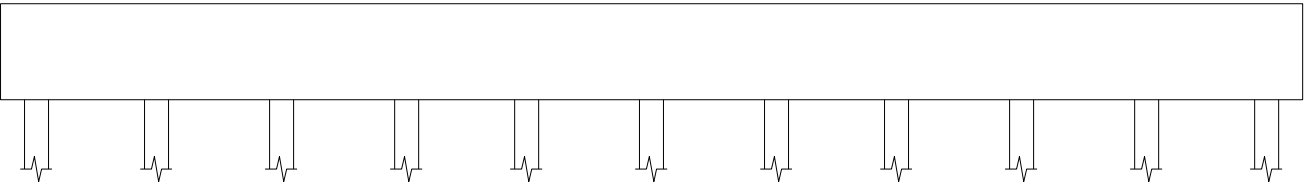
DESIGN SUPERVISOR: D. LEVINE



EXISTING PIER 2 (EAST) REMOVAL PLAN (EASTBOUND)
SCALE: 1/8"=1'-0"



EXISTING PIER 2 (EAST) REMOVAL ELEVATION (EASTBOUND)
SCALE: 1/8"=1'-0"



EXISTING EAST PIER TYPICAL SECTION
SCALE: 1/8"=1'-0"

REMOVAL LEGEND:
 REMOVAL OF SUBSTRUCTURES ITEM 202.19

CONCRETE REMOVAL TABLE	
PIERS	ITEM 202.19
COLUMNS	17 CY
PIER CAPS	29 CY
TOTAL (THIS SHEET):	46 CY

NOTES:
 1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-10.

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EXISTING EAST PIER REMOVAL PLAN AND ELEVATION EASTBOUND REMOVAL	DRAWING NUMBER: ST-15

M.P. 238.22, BIN 5009929

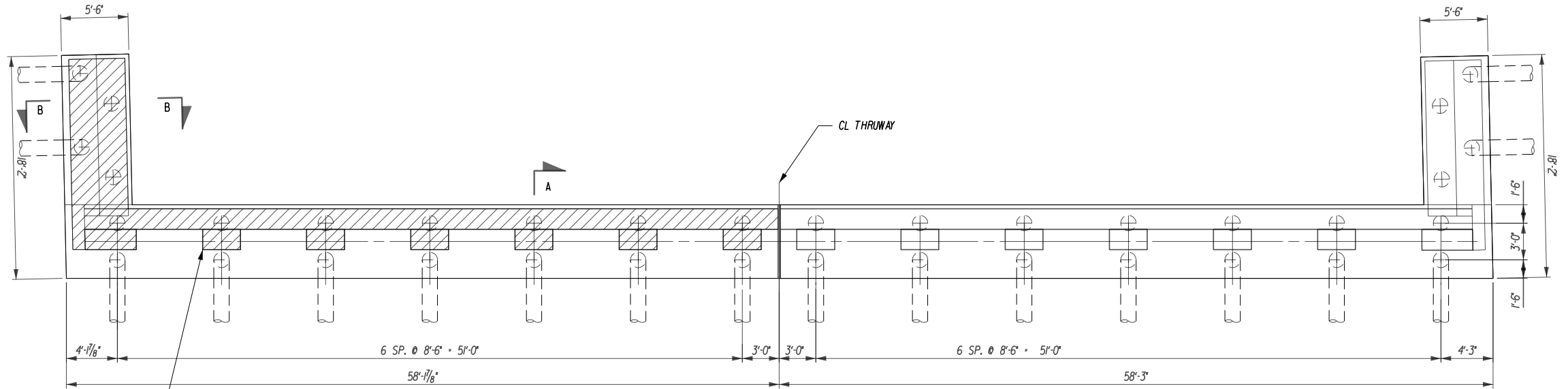
CHECKED BY: D. LEVINE

DRAFTED BY: LITNESNER

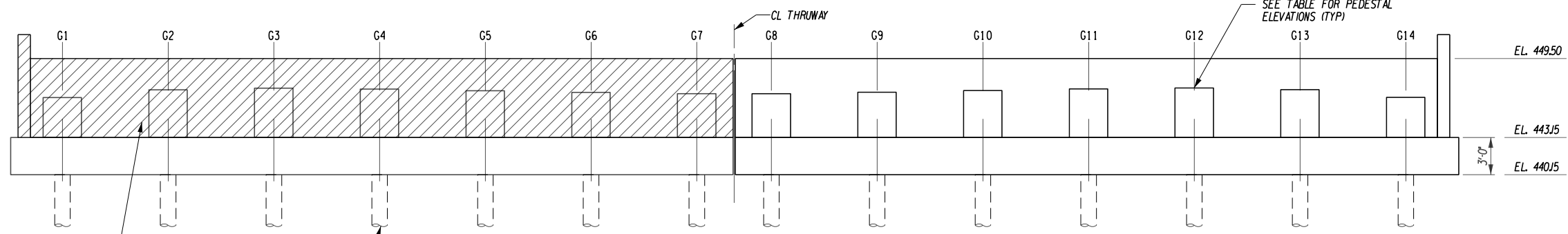
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



EXISTING END ABUTMENT REMOVAL PLAN (WESTBOUND)
SCALE: 3/32"=1'-0"



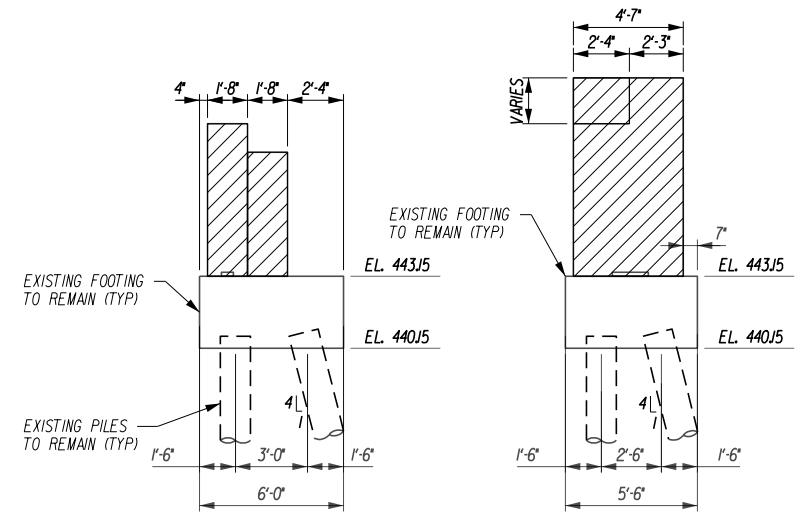
EXISTING END ABUTMENT REMOVAL ELEVATION (WESTBOUND)
SCALE: 3/32"=1'-0"

CONCRETE REMOVAL TABLE	
ABUTMENTS, PEDESTALS & WINGWALLS	ITEM 202.19
PEDESTALS	6 CY
ABUTMENT STEM	23 CY
WINGWALL	16 CY
TOTAL (THIS SHEET)	45 CY

LEGEND:
 REMOVAL OF SUBSTRUCTURES ITEM 202.19

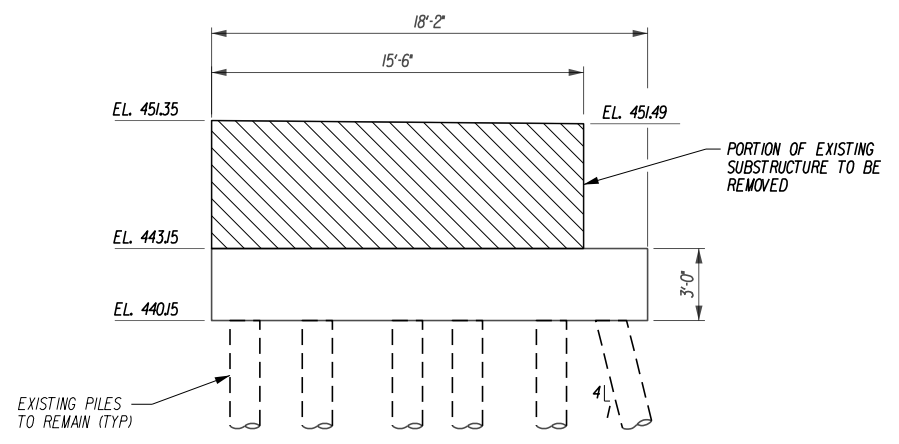
NOTES:
 1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-10.

TABLE OF PEDESTAL ELEVATIONS	
EAST ABUTMENT	
GIRDER 1	446.35
GIRDER 2	446.97
GIRDER 3	447.11
GIRDER 4	447.04
GIRDER 5	446.91
GIRDER 6	446.78
GIRDER 7	446.66



ABUTMENT SECTION SECTION A-A
SCALE: 1/8"=1'-0"

WINGWALL SECTION SECTION B-B
SCALE: 1/8"=1'-0"



SIDE ELEVATION NORTH WING SHOWN (SOUTH SIMILAR)
SCALE: 1/8"=1'-0"

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY
Thruway Authority

PARSONS

TITLE OF PROJECT: REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT: SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING: EXISTING END ABUTMENT REMOVAL PLAN AND ELEVATION WESTBOUND REMOVAL	DRAWING NUMBER: ST-16

M.P. 238.22, BIN 5009929

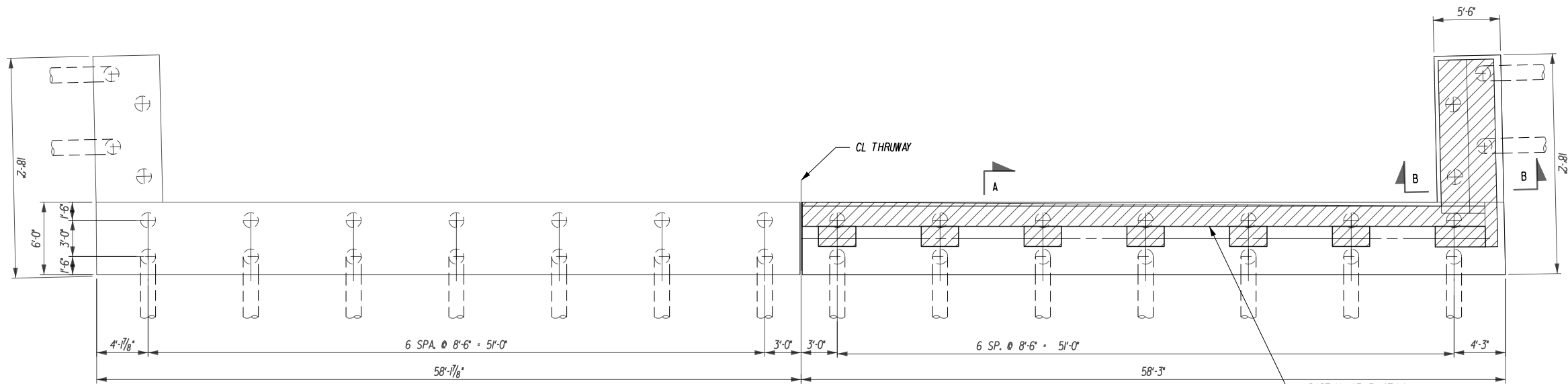
CHECKED BY: D. LEVINE

DRAFTED BY: LITESNER

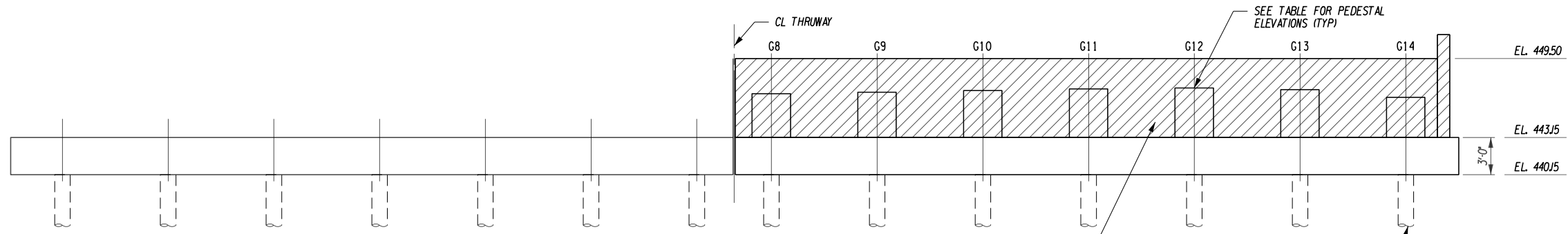
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



EXISTING END ABUTMENT REMOVAL PLAN (EASTBOUND)
SCALE: 3/32"=1'-0"



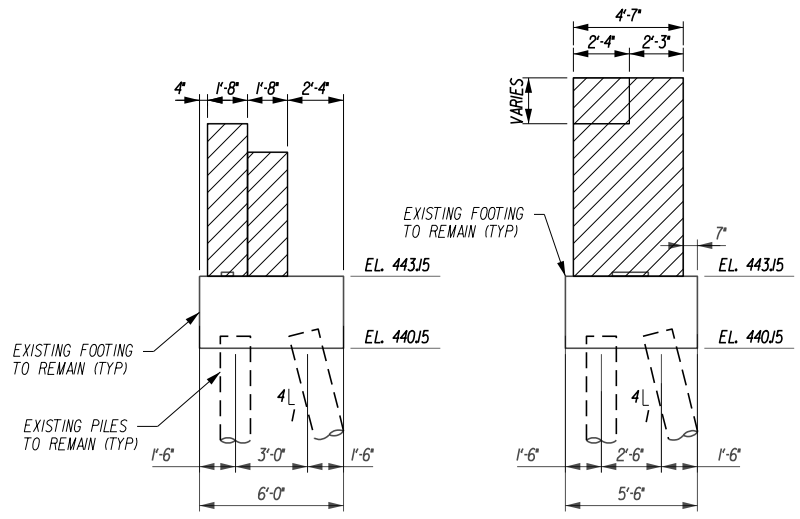
EXISTING END ABUTMENT REMOVAL ELEVATION (EASTBOUND)
SCALE: 3/32"=1'-0"

CONCRETE REMOVAL TABLE	
ABUTMENTS, PEDESTALS & WINGWALLS	ITEM 202.19
PEDESTALS	6 CY
ABUTMENT STEM	23 CY
WINGWALL	16 CY
TOTAL (THIS SHEET)	45 CY

TABLE OF PEDESTAL ELEVATIONS	
EAST ABUTMENT	
GIRDER 8	446.66
GIRDER 9	446.78
GIRDER 10	446.92
GIRDER 11	447.05
GIRDER 12	447.12
GIRDER 13	446.99
GIRDER 14	446.37

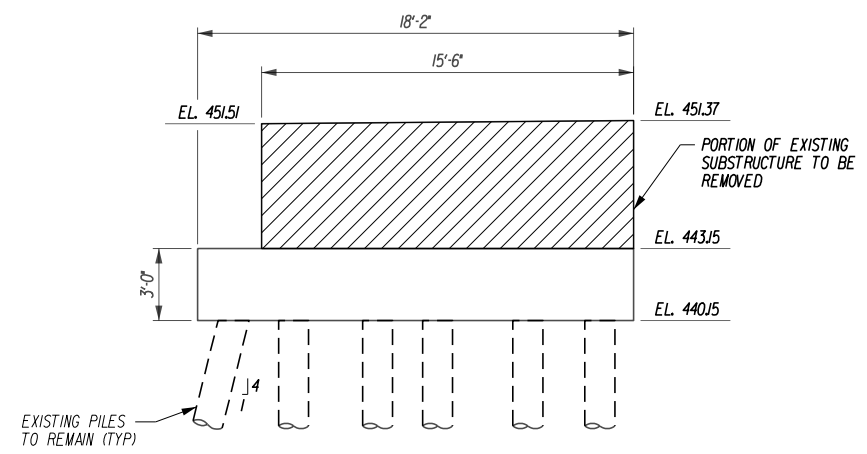
LEGEND:
 REMOVAL OF SUBSTRUCTURES ITEM 202.19

NOTES:
 1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-10.



ABUTMENT SECTION SECTION A-A
SCALE: 1/8"=1'-0"

WINGWALL SECTION SECTION B-B
SCALE: 1/8"=1'-0"



SIDE ELEVATION SOUTH WING SHOWN (NORTH SIMILAR)
SCALE: 1/8"=1'-0"

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE

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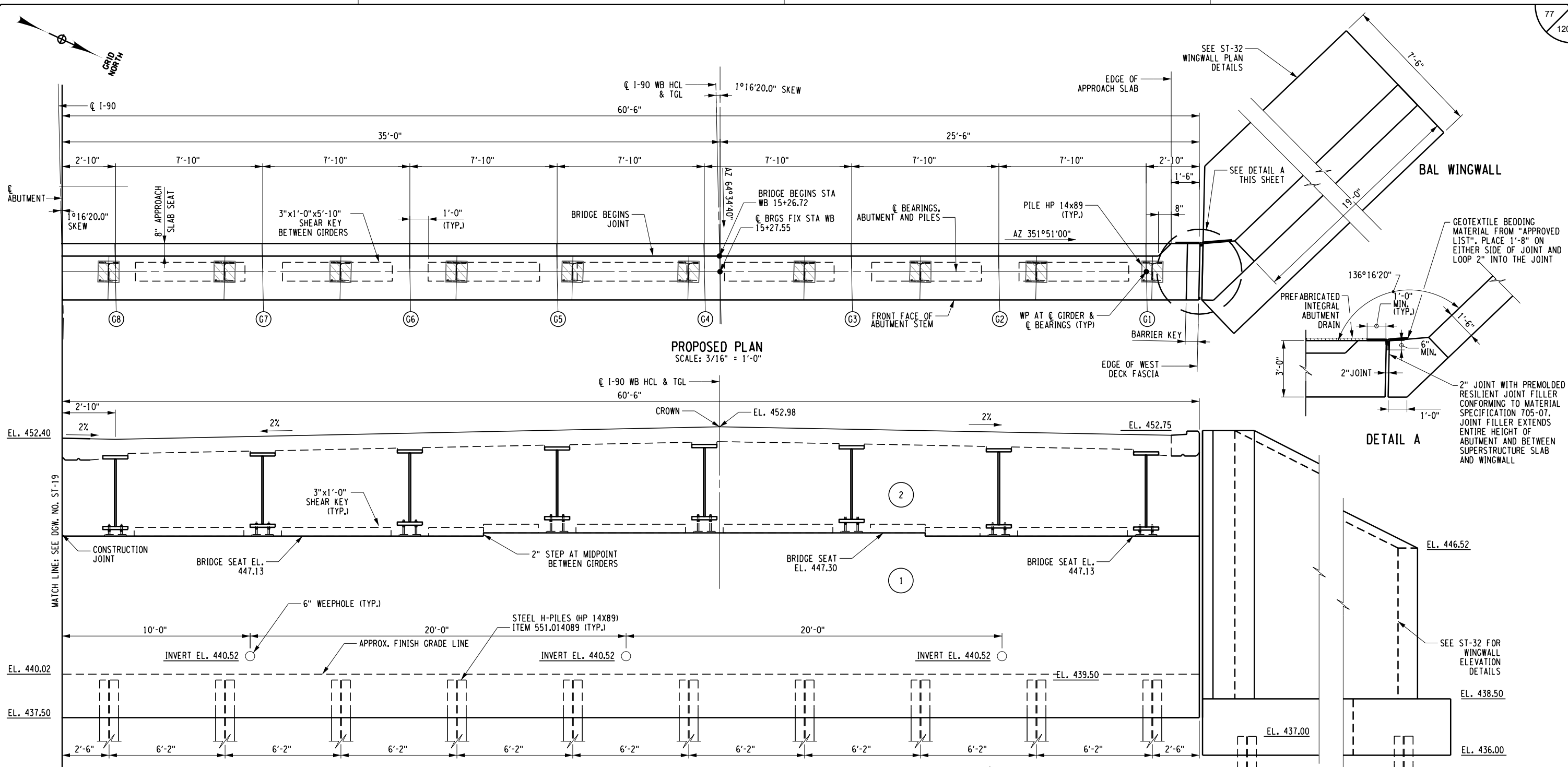
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EXISTING END ABUTMENT REMOVAL PLAN AND ELEVATION EASTBOUND REMOVAL	DRAWING NUMBER: ST-17

M.P. 238.22, BIN 5009929

CHECKED BY: D. LEVINE
 DRAFTED BY: I. GUYVORONSKY
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



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

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

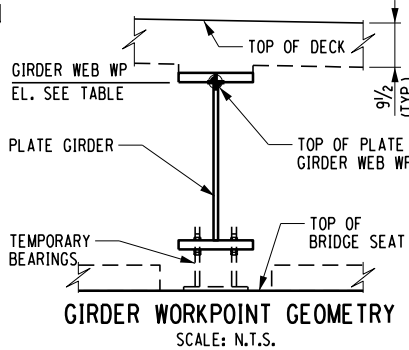
DETAIL A

TABLE OF GIRDER ELEVATIONS - BEGIN ABUTMENT

GIRDER	G1	G2	G3	G4	G5	G6	G7	G8
TOP OF GIRDER WEB WP ELEVATION	451.40	451.56	451.72	451.84	451.68	451.53	451.37	451.22

CONCRETE TABLE

PLACEMENT	QUANTITY	ITEM NO.
1	66 CY	555.0021
2	33 CY	555.0021



- NOTES:**
- TOP OF DECK AND ABUTMENT ELEVATIONS TAKEN AT CENTERLINE OF ABUTMENT / BEARINGS. BRIDGE SEAT SHALL BE CONSTRUCTED LEVEL.
 - FOR PILE LAYOUT, DETAILS, AND NOTES, SEE DWG. ST-33 & ST-34.
 - PROTECTIVE SEALER ITEM 559.02 SHALL BE APPLIED TO EXPOSED SURFACES OF THE ABUTMENT STEM, BACKWALL AND WINGWALLS.
 - FOR WATERSTOP AND KEYWAY DETAILS, SEE DWG. ST-55.
 - FOR DETAILS OF THE TEMPORARY GIRDER SUPPORT SEE DWG. ST-22.
 - FOR ABUTMENT REINFORCEMENT PLANS, ELEVATION AND SECTION, SEE DWGS. ST-22 TO ST-30.
 - ALL EXPOSED EDGES OF CONCRETE ARE TO BE CHAMFERED 1-INCH UNLESS OTHERWISE NOTED.

ALTERED ON: _____ AFFIXED ON: 04/03/2024

SIGNATURE: _____ DANIEL A. LEVINE
 STAMP: _____

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

REVISIONS

DATE	DESCRIPTION	BY	SYM.

PARSONS

M.P. 238.22, BIN 5009929

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING BEGIN INTEGRAL ABUTMENT PLAN AND ELEVATION WESTBOUND	DRAWING NUMBER: ST-18

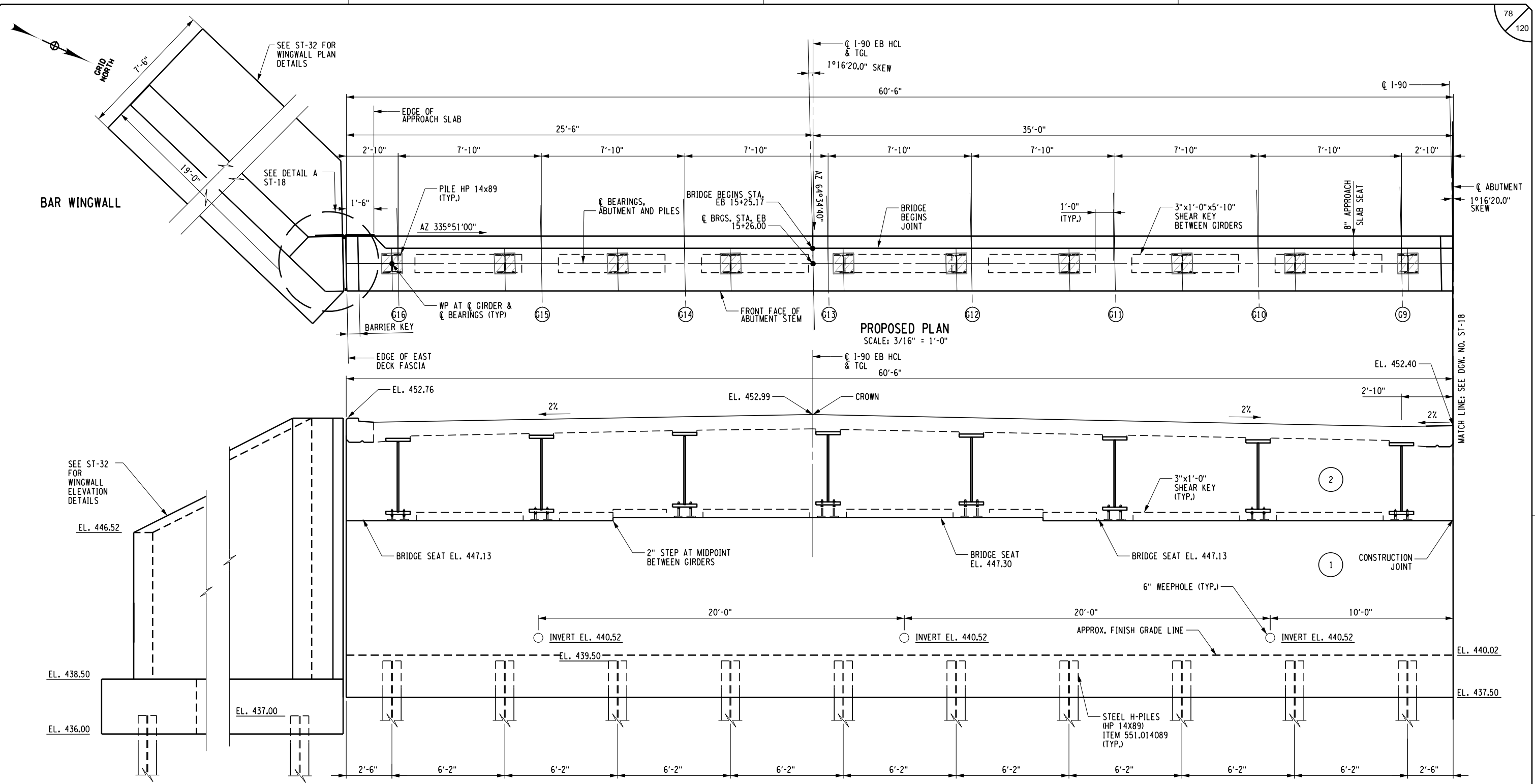
CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYVORONSKY

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



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

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

ALTERED ON: _____ AFFIXED ON: 04/03/2024

SIGNATURE: _____ DANIEL A. LEVINE
STAMP: _____

GIRDER	G9	G10	G11	G12	G13	G14	G15	G16
TOP OF GIRDER WEB WP ELEVATION	451.22	451.38	451.53	451.69	451.85	451.73	451.57	451.41

NO. - INDICATES CONCRETE PLACEMENT NUMBER

PLACEMENT	QUANTITY	ITEM NO.
1	66 CY	555.0021
2	33 CY	555.0021

NOTES:
1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-18.

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DATE	DESCRIPTION	BY	SYM.



M.P. 238.22, BIN 5009929

TITLE OF PROJECT: REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
LOCATION OF PROJECT: SYRACUSE DIVISION MP 238.22

TITLE OF DRAWING: BEGIN INTEGRAL ABUTMENT PLAN AND ELEVATION EASTBOUND

CONTRACT NUMBER: TAS 24-20B
DATE: 04/03/2024
DRAWING NUMBER: ST-19

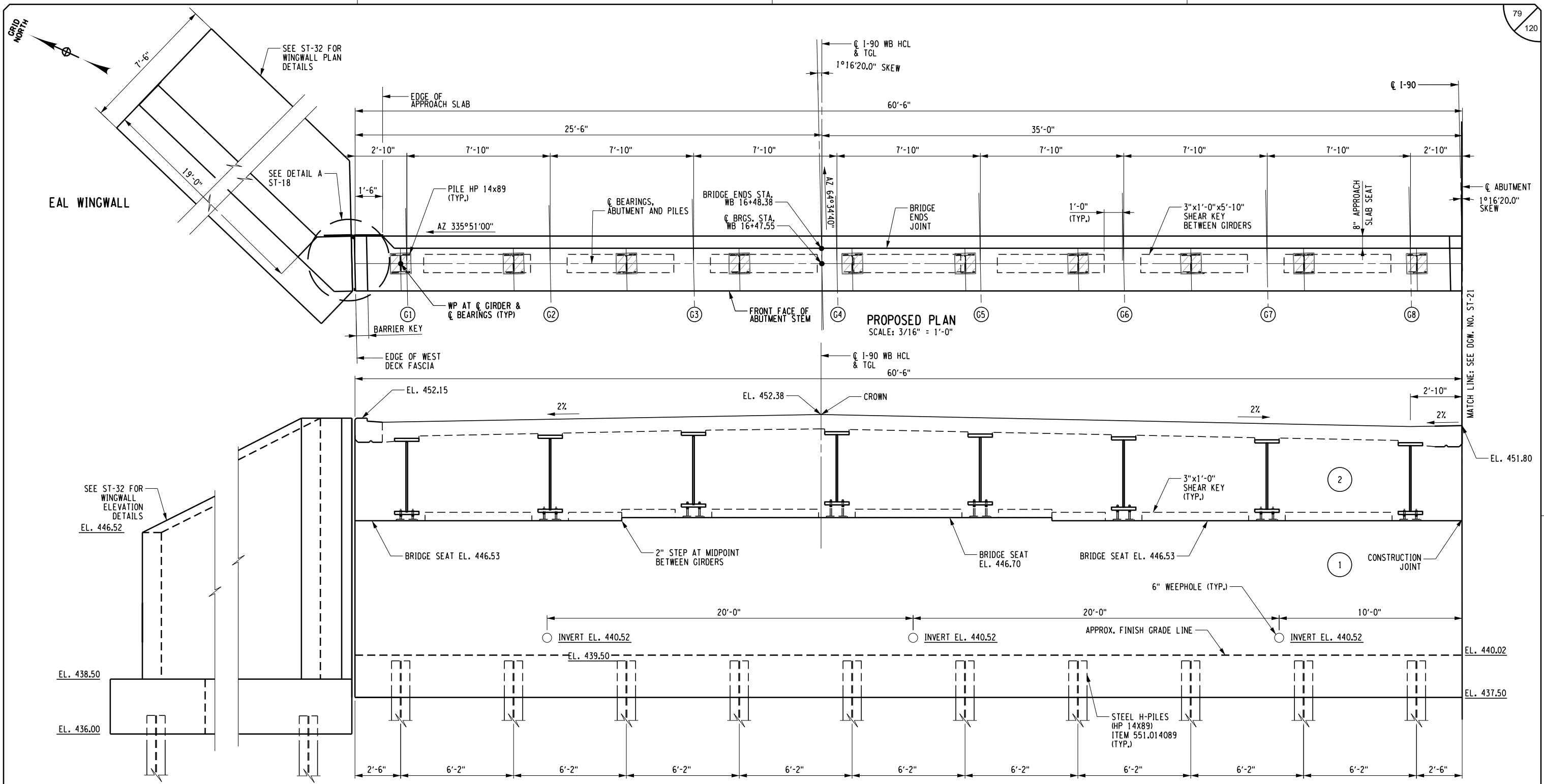
CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYVORONSKY

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 04/03/2024
SIGNATURE: DANIEL A. LEVINE
STAMP:

TABLE OF GIRDER ELEVATIONS - END ABUTMENT

GIRDER	G1	G2	G3	G4	G5	G6	G7	G8
TOP OF GIRDER WEB WP ELEVATION	450.80	450.96	451.12	451.24	451.08	450.93	450.77	450.62

CONCRETE TABLE

PLACEMENT	QUANTITY	ITEM NO.
1	62 CY	555.0021
2	33 CY	555.0021

NOTES:
1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-18.

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REVISIONS

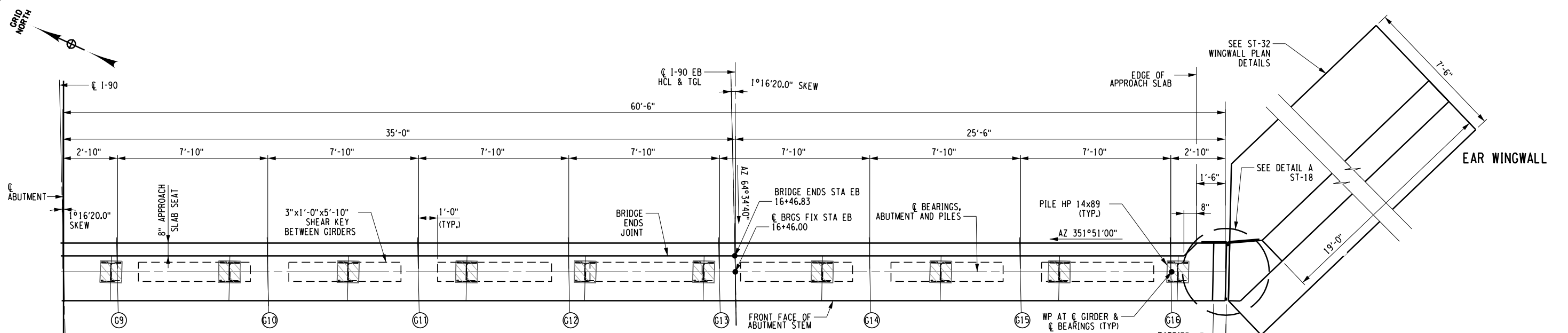
DATE	DESCRIPTION	BY	SYM.



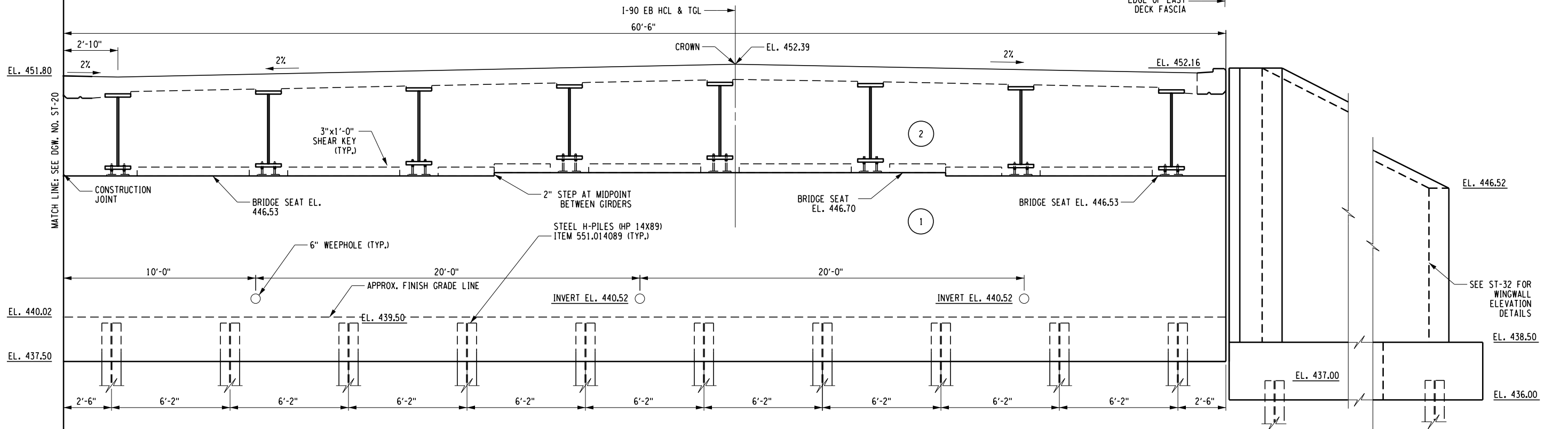
M.P. 238.22, BIN 5009929

TITLE OF PROJECT: REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
LOCATION OF PROJECT: SYRACUSE DIVISION MP 238.22
TITLE OF DRAWING: END INTEGRAL ABUTMENT PLAN AND ELEVATION WESTBOUND

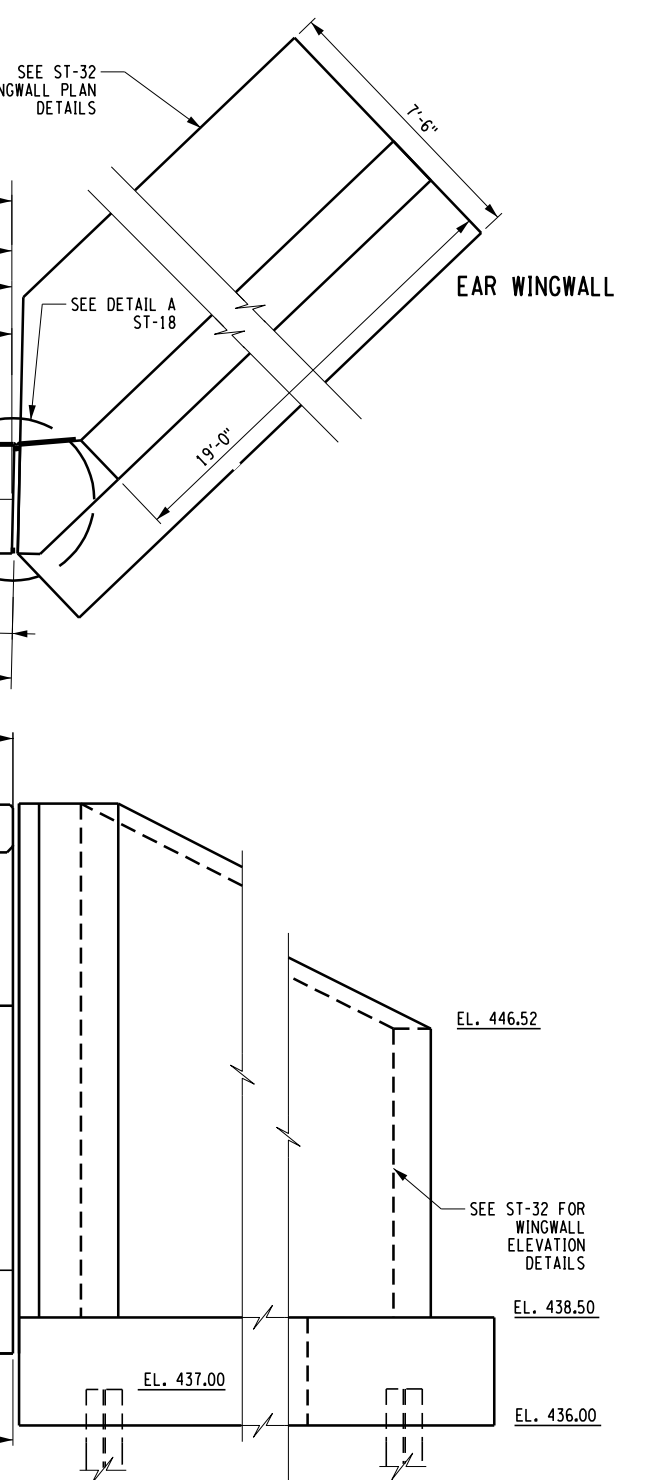
CONTRACT NUMBER: TAS 24-20B
DATE: 04/03/2024
DRAWING NUMBER: ST-20



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



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



CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYVORONSKY

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

ALTERED ON: _____ AFFIXED ON: 04/03/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE
STAMP: _____

TABLE OF GIRDER ELEVATIONS - END ABUTMENT

GIRDER	G9	G10	G11	G12	G13	G14	G15	G16
TOP OF GIRDER WEB WP ELEVATION	450.62	450.78	450.93	451.09	451.25	451.13	450.97	450.81

NO. - INDICATES CONCRETE PLACEMENT NUMBER

CONCRETE TABLE

PLACEMENT	QUANTITY	ITEM NO.
1	62 CY	555.0021
2	33 CY	555.0021

NOTES:
1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-18.

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

REVISIONS

DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT: REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD

LOCATION OF PROJECT: SYRACUSE DIVISION MP 238.22

TITLE OF DRAWING: END INTEGRAL ABUTMENT PLAN AND ELEVATION EASTBOUND

CONTRACT NUMBER: TAS 24-20B

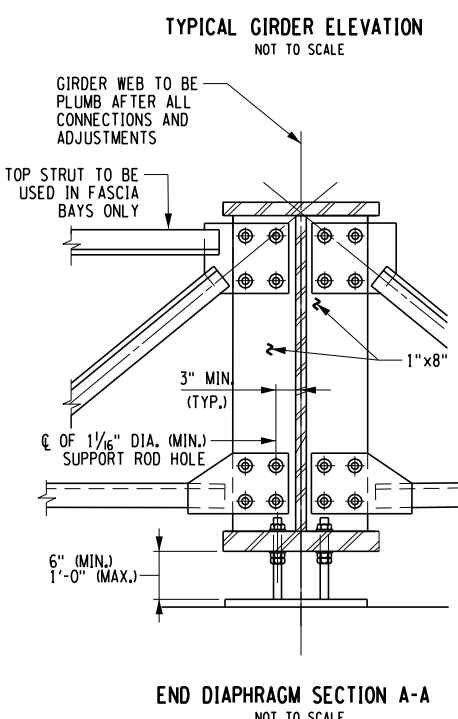
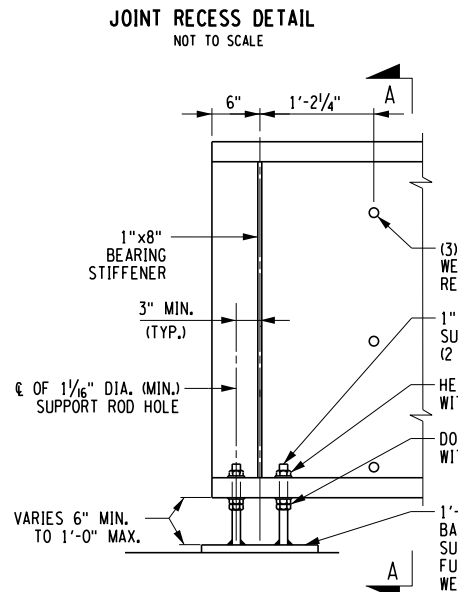
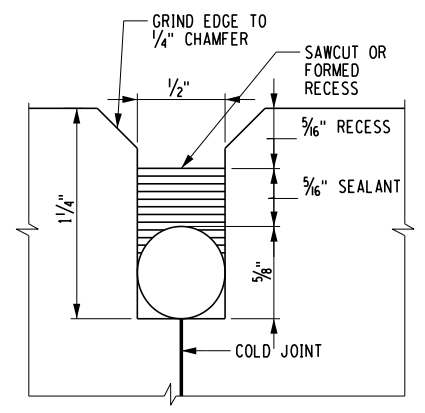
DATE: 04/03/2024

DRAWING NUMBER: ST-21

M.P. 238.22, BIN 5009929

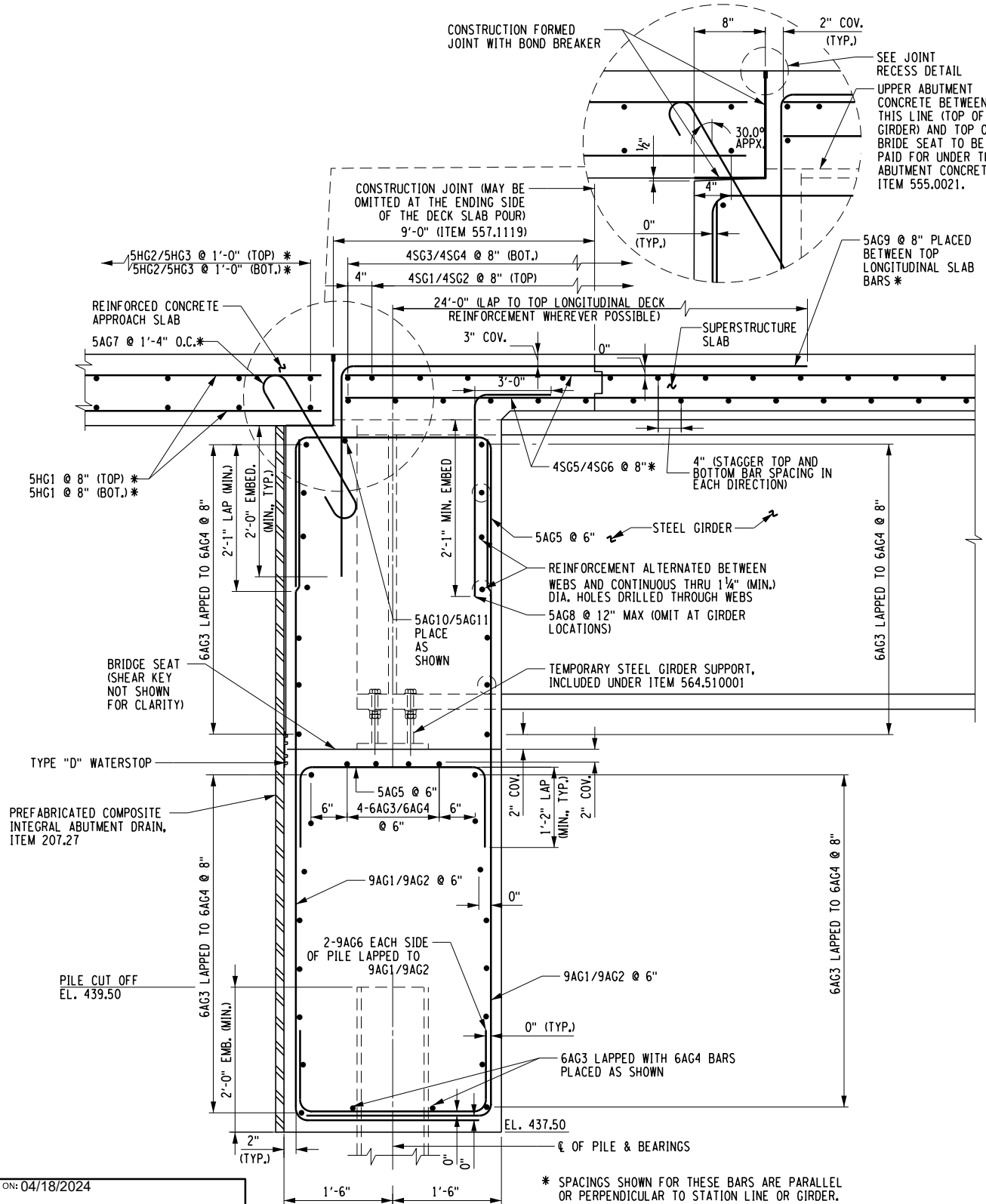
**INTEGRAL ABUTMENT CONSTRUCTION PROCEDURE
STEEL SUPERSTRUCTURE WITH TEMPORARY GIRDER SUPPORT**

1. INSTALL STEEL PILES. REFER TO ST-34 FOR PILE LAYOUT AND NEARBY UTILITIES.
2. PLACE ABUTMENT LOWER STEM CONCRETE TO BRIDGE SEAT ELEVATION.
3. BACKFILL ABUTMENT STEMS TO 6 INCHES BELOW THE BRIDGE SEAT ELEVATION. NO BACKFILL OF THE ABUTMENT STEMS IS ALLOWED UNTIL THE ABUTMENTS HAVE CURED FOR 7 DAYS. THE FILL HEIGHT BEHIND ANY SINGLE ABUTMENT STEM SHALL NOT VARY BY MORE THAN 2'-0"
4. PLACE STONE FILL AND SLOPE PROTECTION.
5. ERECT GIRDERS AND INSTALL ALL DIAPHRAGMS. GIRDERS SHALL BE FABRICATED AND ERECTED SUCH THAT THE WEBS WILL BE VERTICAL UNDER FULL DEAD LOAD.
6. AT THE STARTING SIDE OF THE DECK PLACEMENT, BEGIN CONCRETE FOR DECK SLAB 9'-0" FROM BEGINNING OF SUPERSTRUCTURE SLAB (ENDING SIDE OF UPPER STEM MAY BE POURED WITH THE DECK).
7. PLACE ABUTMENT UPPER STEM AND REMAINING PORTION OF STARTING SIDE DECK CONCRETE. CONCRETE SHALL NOT BE PLACED UNTIL DECK SLAB HAS CURED FOR 3 DAYS.
8. BACKFILL ABUTMENT UPPER STEMS. NO BACKFILLING OF THE ABUTMENT UPPER STEMS IS ALLOWED UNTIL ABUTMENT UPPER STEM HAS CURED FOR 7 DAYS. BACKFILLING SHALL BE CONDUCTED SUCH THAT THE MAXIMUM DIFFERENTIAL IN FILL HEIGHT BETWEEN THE TWO UPPER STEMS (AS MEASURED FROM THE BOTTOM OF THE STEM) DOES NOT EXCEED 2'-0". IN ADDITION, THE FILL HEIGHT BEHIND ANY SINGLE ABUTMENT STEM SHALL NOT VARY BY MORE THAN 2'-0"
9. PLACE CONCRETE FOR APPROACH AND SLEEPER SLABS.



NOTE: PROVIDE OVERSIZE HOLES IN THE BOTTOM FLANGE FOR SUPPORT RODS.

- NOTES:
1. FOR DETAILS OF SUPERSTRUCTURE SLAB, SEE DRAWING ST-44 TO ST-45.
 2. FOR DETAILS OF APPROACH SLAB, SEE DRAWING ST-47 TO ST-49.
 3. AT THE MANDATORY FULL DEPTH FORMED COLD JOINT BETWEEN THE APPROACH SLAB AND THE BRIDGE DECK, A 1/2" WIDE x 1 1/2" DEEP RECESS SHALL BE PROVIDED IN THE WEARING SURFACE DIRECTLY OVER THE JOINT BY MEANS OF SAWCUTTING OR FORMING. THIS RECESS WILL BE THE FULL WIDTH OF THE APPROACH SLAB. PAYMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB, ITEM 557.1019.
 4. FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL, SILICONE SEALANT FROM THE NYSDOT APPROVED LIST, 705-07. IF THE RECESS IS SAWCUT, WATER BLAST IMMEDIATELY FOLLOWING THE CUTTING TO REMOVE ANY RESIDUAL SLURRY BEFORE IT DRIES. CLEAN THE VERTICAL FACES OF THE RECESS BY ABRASIVE BLAST, AND AIR BLOW THE RESIDUE FROM THE RECESS. PRIME THE VERTICAL FACES WITH THE MANUFACTURER'S RECOMMENDED PRIMER, AND ALLOW TO DRY. PLACE A 3/8" DIA. SOFT CLOSED CELL BACKER ROD IN THE BOTTOM OF THE RECESS. POUR THE SILICONE TO A DEPTH OF APPROXIMATELY 1/2". PAYMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB, ITEM 557.1019.



**INTEGRAL ABUTMENT DETAIL
(SECTION TAKEN PERPENDICULAR TO ABUTMENT)
NOT TO SCALE**

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

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING INTEGRAL ABUTMENT SECTION AND DETAILS	DRAWING NUMBER: ST-22

M.P. 238.22, BIN 5009929

CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYVORONSKY

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 04/18/2024
SIGNATURE: DANIEL A. LEVINE
STAMP:

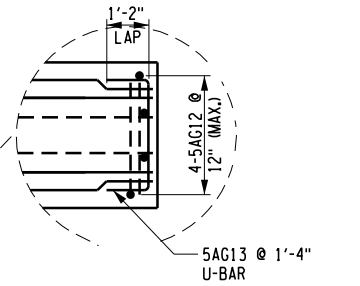
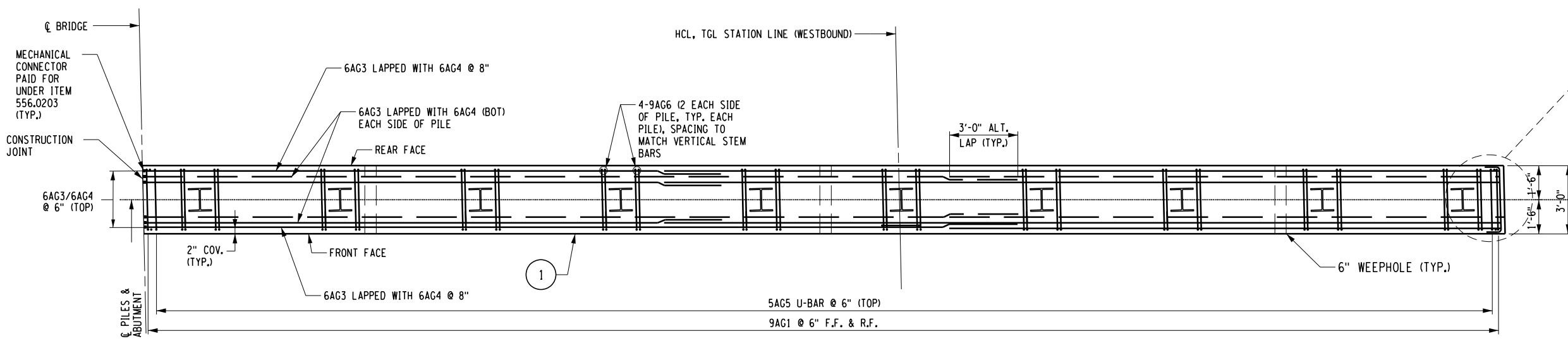
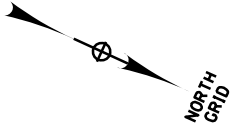
CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYVORONSKY

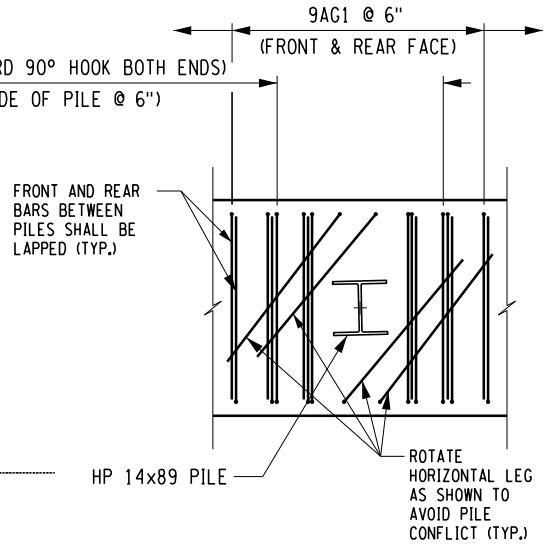
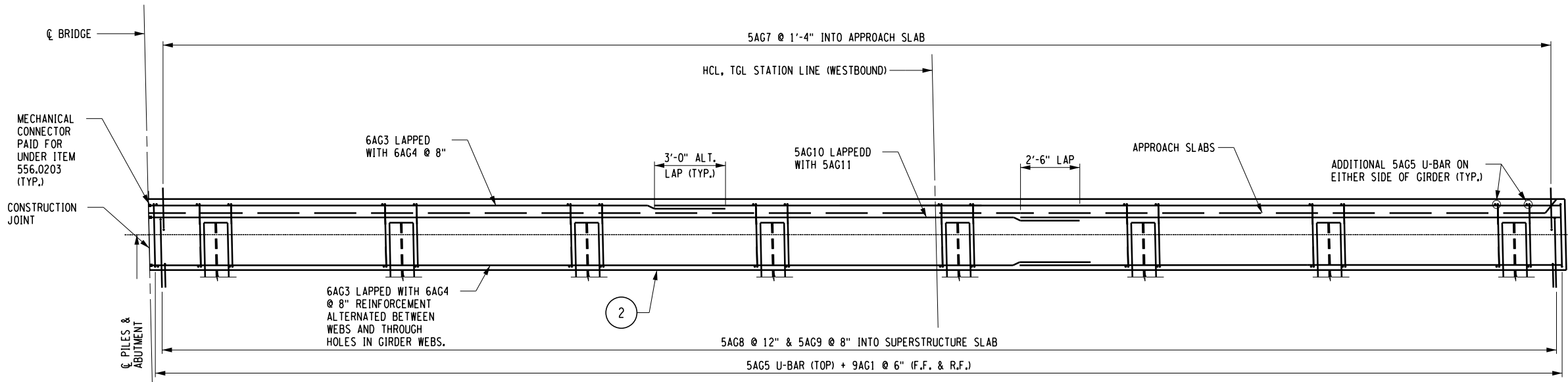
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



BEGIN ABUTMENT WESTBOUND "LOWER POUR" REINFORCEMENT PLAN
SCALE: 3/16" = 1'-0"



BEGIN ABUTMENT WESTBOUND "UPPER POUR" REINFORCEMENT PLAN
SCALE: 3/16" = 1'-0"

- NO. - INDICATES CONCRETE PLACEMENT NUMBER
- NOTES:
1. ALL REINFORCEMENT SHALL BE GRADE 60, GALVANIZED.
 2. WELDED REINFORCEMENT SPLICES ARE NOT PERMITTED.
 3. COVER FOR STEEL REINFORCEMENT SHALL BE 2" UNLESS OTHERWISE NOTED.
 4. LAPS IN TRANSVERSE AND LONGITUDINAL REINFORCEMENT SHALL BE STAGGERED.
 5. MECHANICAL CONNECTORS SHALL MEET THE REQUIREMENTS OF NYSOT STANDARD SPECIFICATION SECTION 709-10.

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

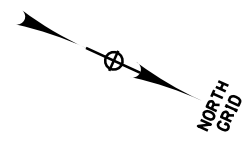
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING BEGIN ABUTMENT REINFORCEMENT PLAN WESTBOUND	DRAWING NUMBER: ST-23

M.P. 238.22, BIN 5009929



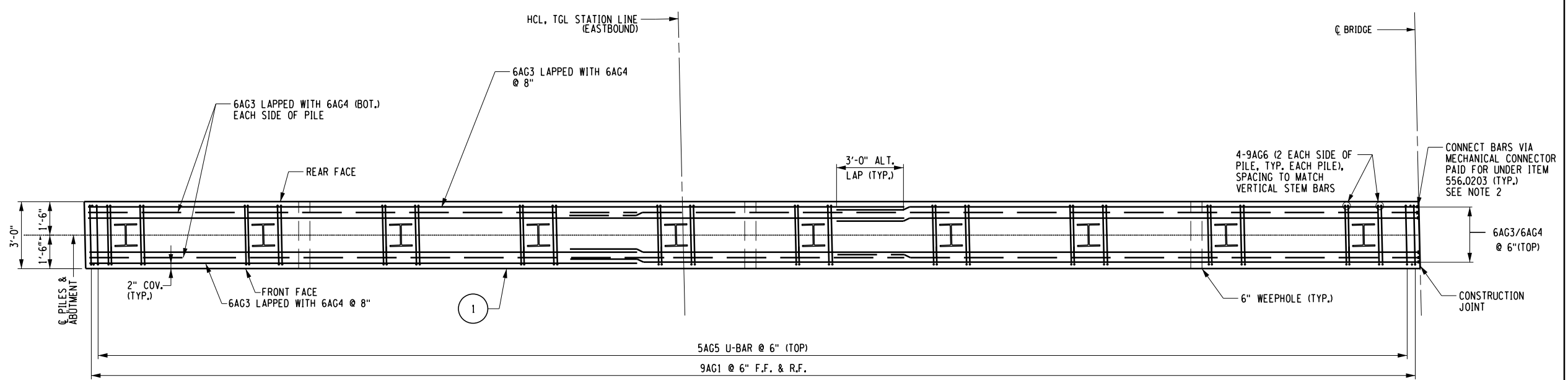
CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYVORONSKY

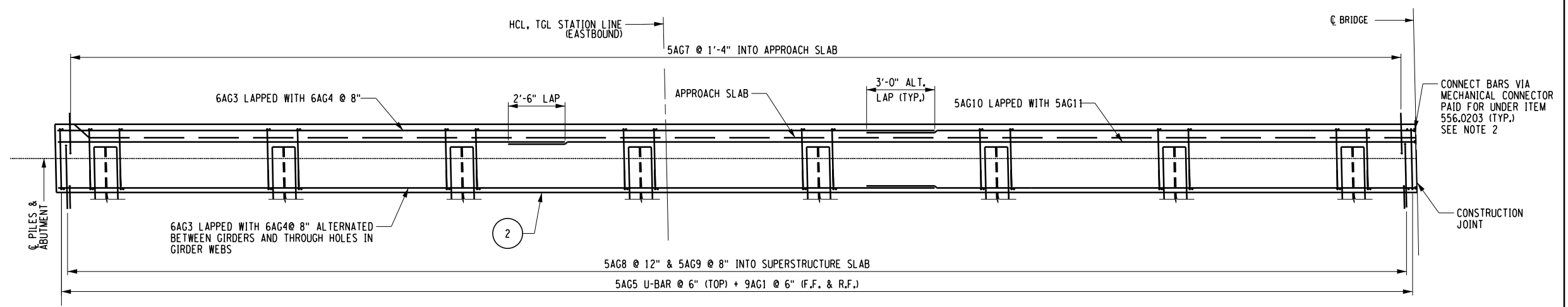
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



BEGIN ABUTMENT EASTBOUND "LOWER POUR" REINFORCEMENT PLAN
SCALE: 3/16" = 1'-0"



BEGIN ABUTMENT EASTBOUND "UPPER POUR" REINFORCEMENT PLAN
SCALE: 3/16" = 1'-0"

NO. - INDICATES CONCRETE PLACEMENT NUMBER

- NOTES:
1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-23.
 2. DETAILS OF LONGITUDINAL REINFORCEMENT TO BE ADJUSTED AS NECESSARY TO ACCOMMODATE SELECTED MECHANICAL COUPLER.
 3. FOR ADDITIONAL DETAILS SEE DWG. NO. ST-23.

M.P. 238.22, BIN 5009929

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING BEGIN ABUTMENT REINFORCEMENT PLAN EASTBOUND	DRAWING NUMBER: ST-24

CHECKED BY: D. LEVINE

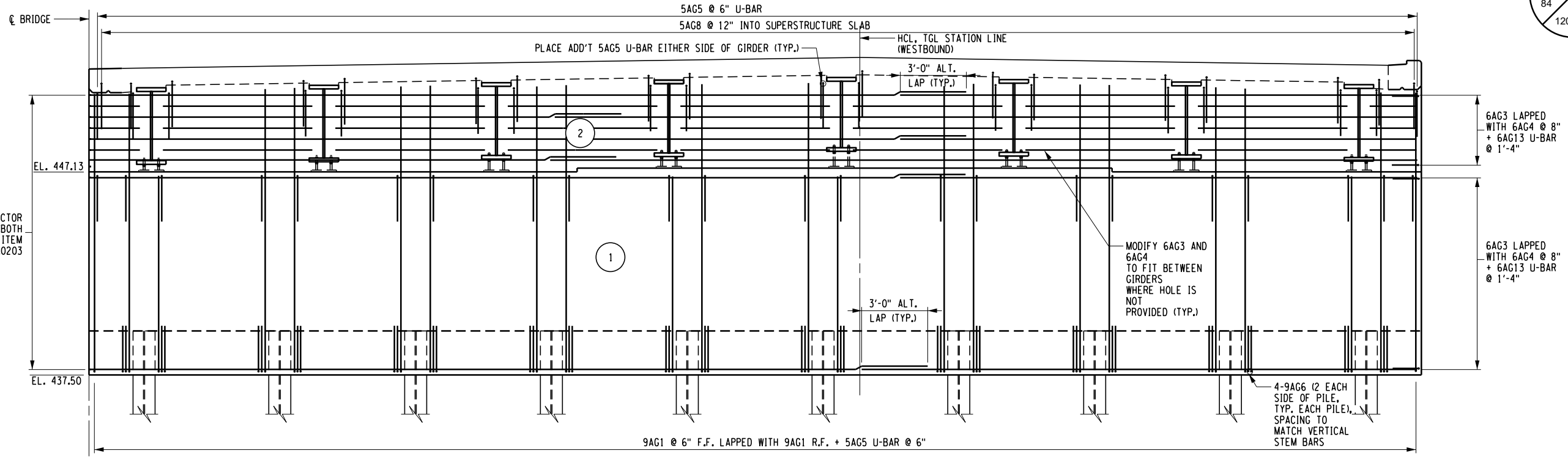
DRAFTED BY: I. GUYVORONSKY

CHECKED BY: D. LEVINE

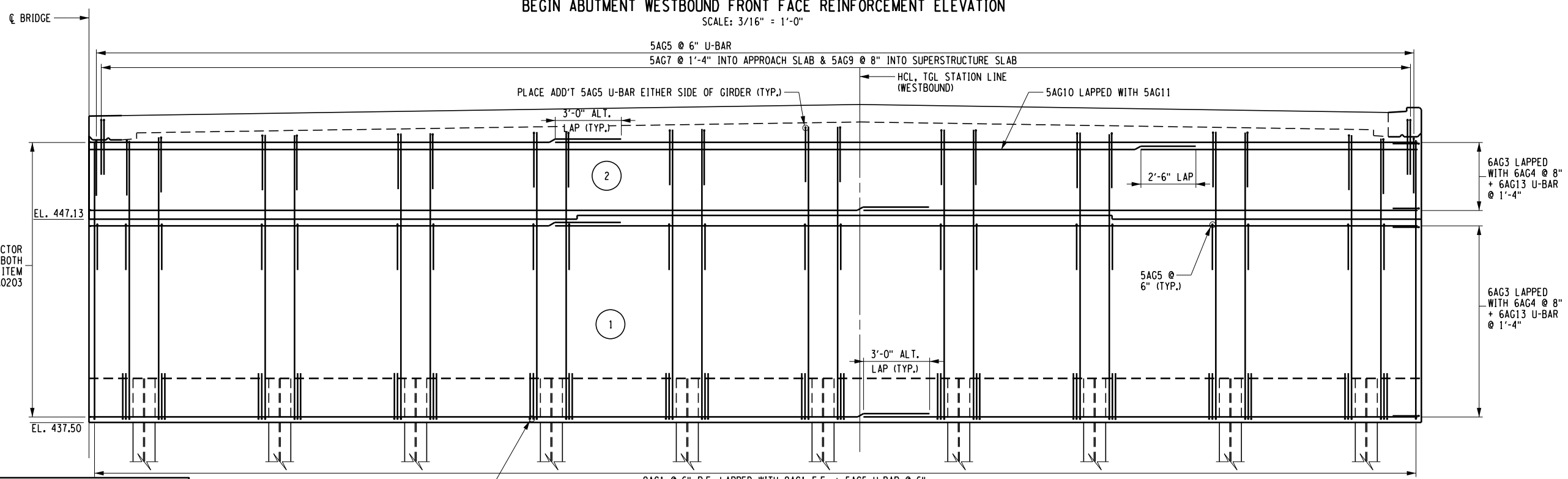
DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

PROVIDE MECHANICAL CONNECTOR FOR LONGITUDINAL BARS (BOTH FACES) PAID FOR UNDER ITEM 556.0203



PROVIDE MECHANICAL CONNECTOR FOR LONGITUDINAL BARS (BOTH FACES) PAID FOR UNDER ITEM 556.0203



ALTERED ON: _____ AFFIXED ON: 04/18/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

(NO.) - INDICATES CONCRETE PLACEMENT NUMBER



NOTES:
1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-23.

M.P. 238.22, BIN 5009929

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING BEGIN ABUTMENT REINFORCEMENT ELEVATION WESTBOUND	DRAWING NUMBER: ST-25

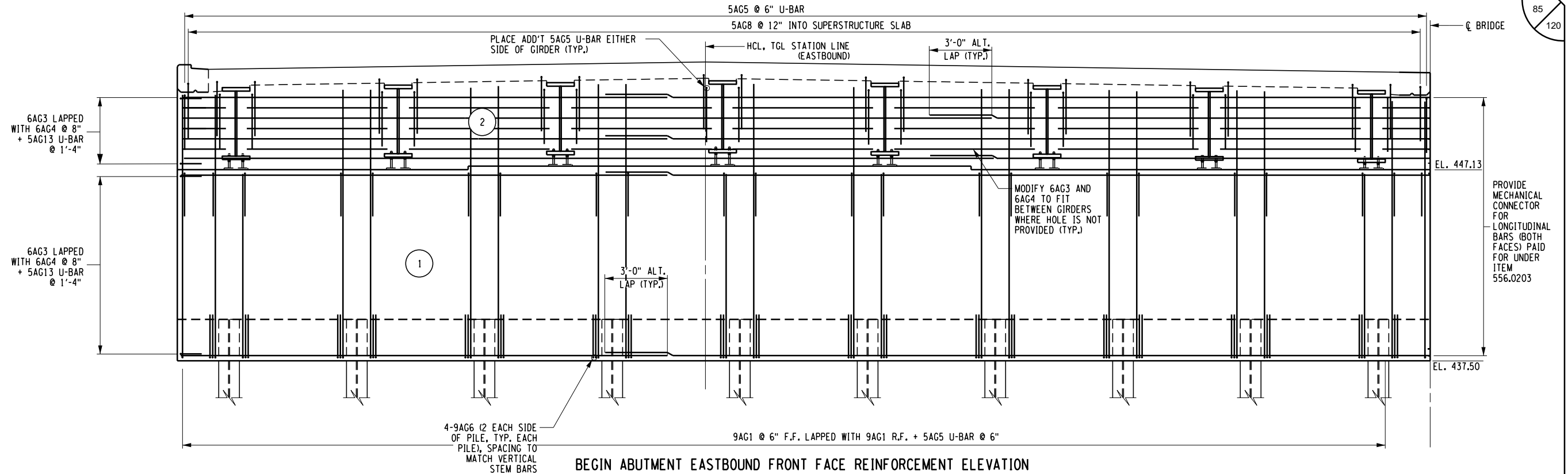
CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYVORONSKY

CHECKED BY: D. LEVINE

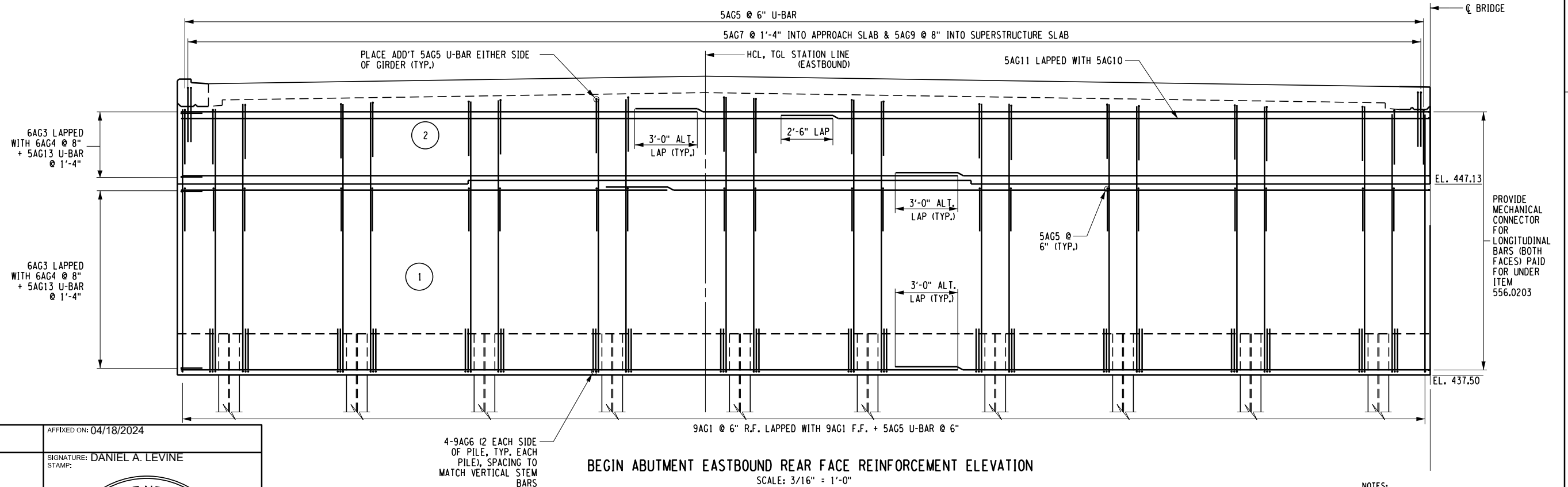
DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



BEGIN ABUTMENT EASTBOUND FRONT FACE REINFORCEMENT ELEVATION

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




BEGIN ABUTMENT EASTBOUND REAR FACE REINFORCEMENT ELEVATION

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

NOTES:
1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-23.

(NO.) - INDICATES CONCRETE PLACEMENT NUMBER

M.P. 238.22, BIN 5009929

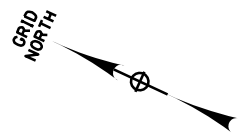
ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING BEGIN ABUTMENT REINFORCEMENT ELEVATION EASTBOUND	DRAWING NUMBER: ST-26



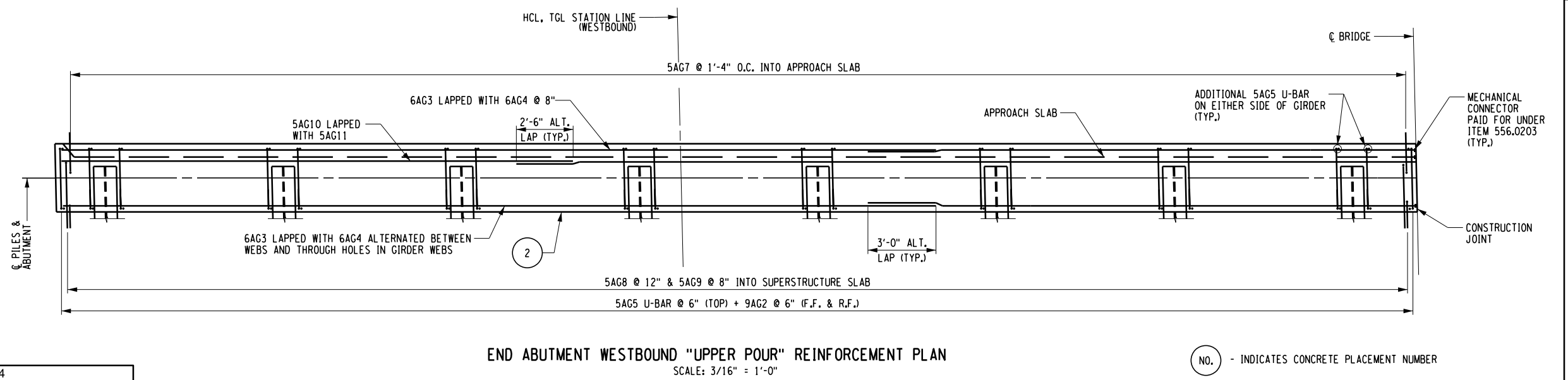
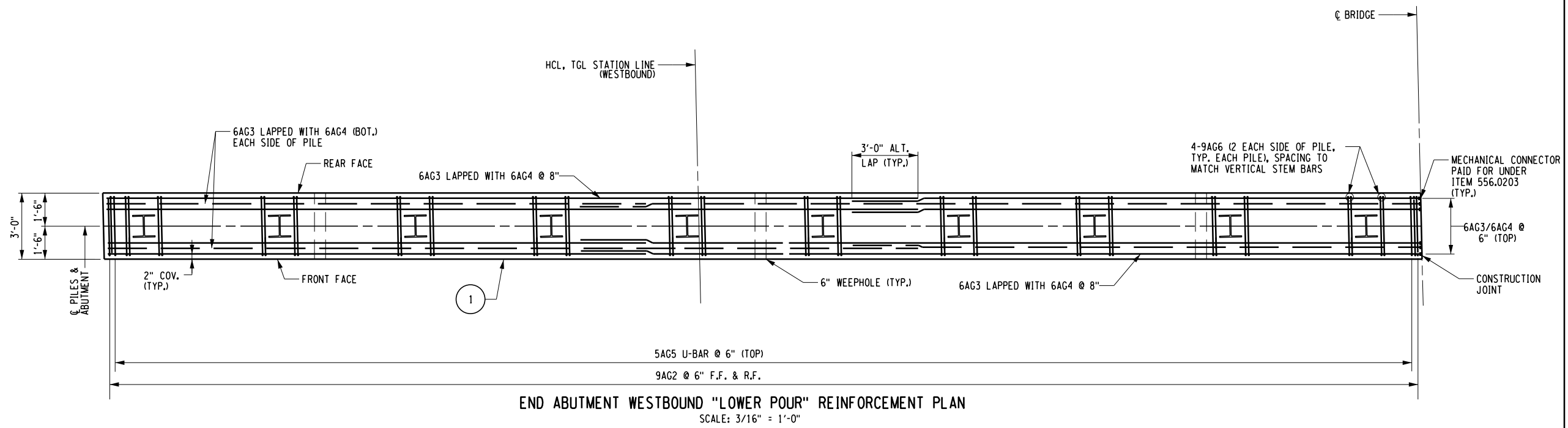
CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYVORONSKY

CHECKED BY: D. LEVINE


DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



NO. - INDICATES CONCRETE PLACEMENT NUMBER

- NOTES:
1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-23.
 2. FOR ADDITIONAL DETAILS SEE DWG. NO. ST-23.

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 04/03/2024 SIGNATURE: DANIEL A. LEVINE STAMP: 
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.





TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	CONTRACT NUMBER: TAS 24-20B DATE: 04/03/2024 DRAWING NUMBER: ST-27
TITLE OF DRAWING END ABUTMENT REINFORCEMENT PLAN WESTBOUND	

M.P. 238.22, BIN 5009929

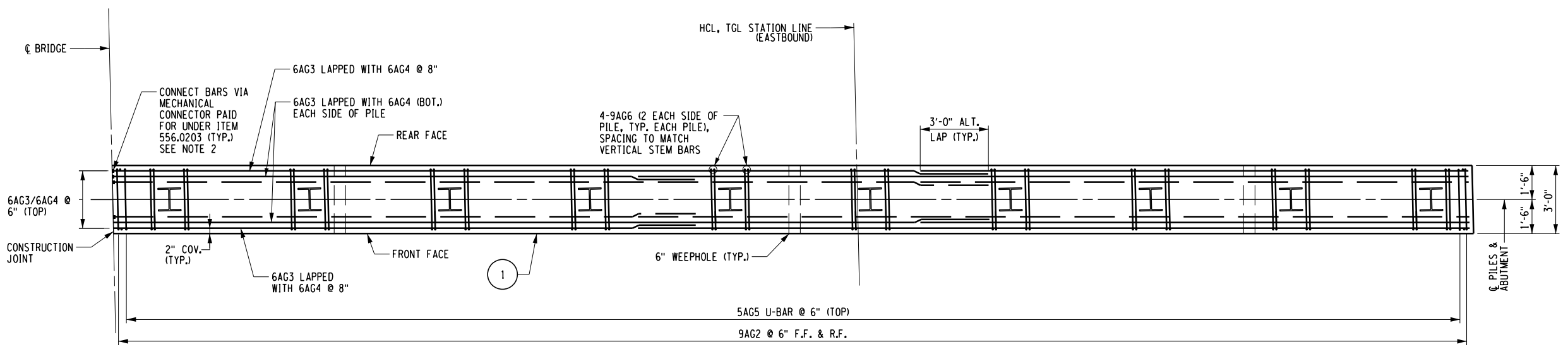
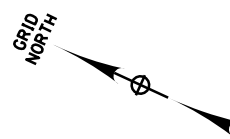
CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYVORONSKY

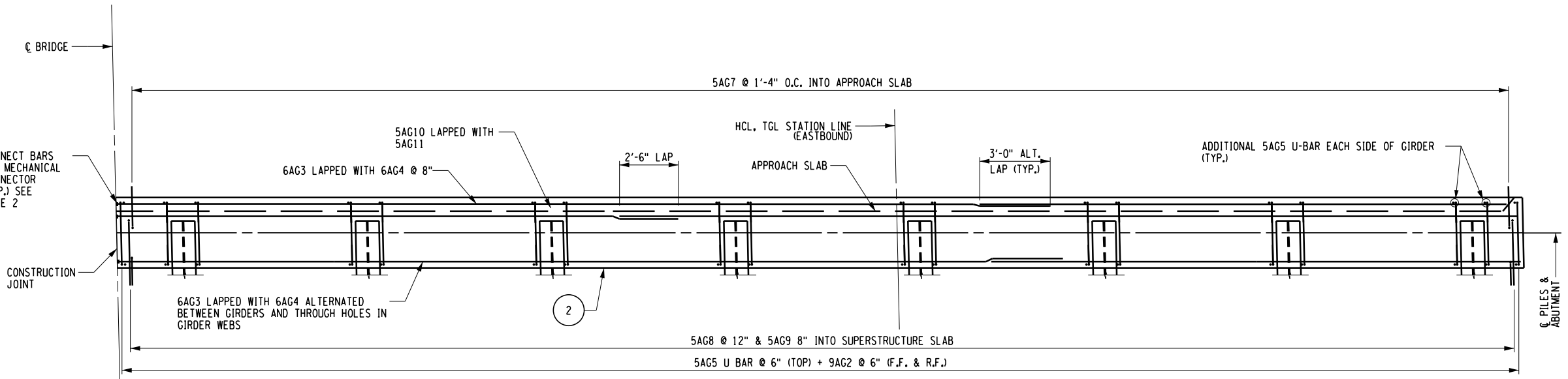
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



END ABUTMENT EASTBOUND "LOWER POUR" REINFORCEMENT PLAN
SCALE: 3/16" = 1'-0"



END ABUTMENT EASTBOUND "UPPER POUR" REINFORCEMENT PLAN
SCALE: 3/16" = 1'-0"

(NO.) - INDICATES CONCRETE PLACEMENT NUMBER

- NOTES:
- FOR ADDITIONAL NOTES SEE DWG. NO. ST-23.
 - DETAILS OF LONGITUDINAL REINFORCEMENT TO BE ADJUSTED AS NECESSARY TO ACCOMMODATE SELECTED MECHANICAL COUPLER.
 - FOR ADDITIONAL DETAILS SEE DWG. NO. ST-23.

M.P. 238.22, BIN 5009929

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SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING END ABUTMENT REINFORCEMENT PLAN EASTBOUND	DRAWING NUMBER: ST-28

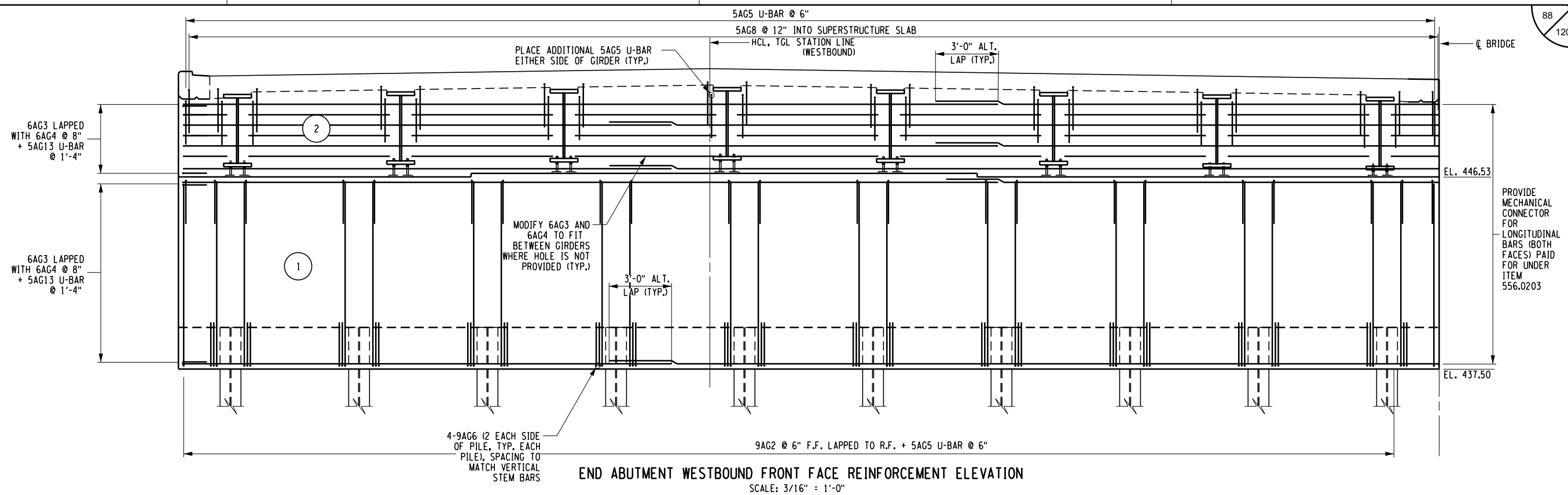
CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYVORONSKY

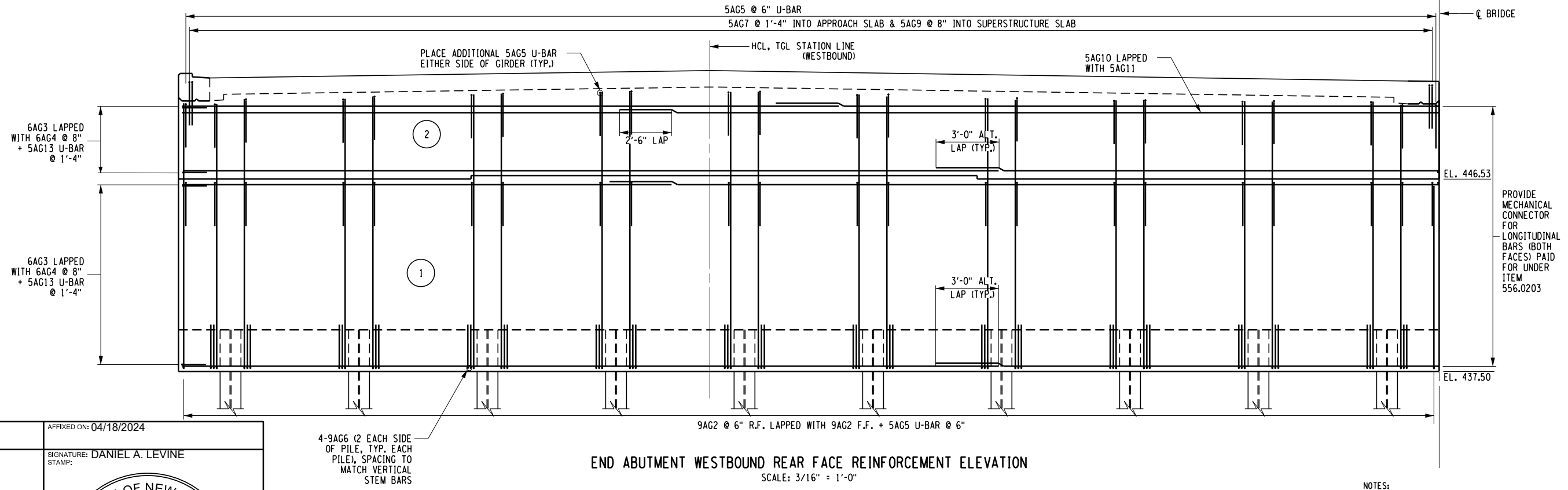
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



END ABUTMENT WESTBOUND FRONT FACE REINFORCEMENT ELEVATION
SCALE: 3/16" = 1'-0"



END ABUTMENT WESTBOUND REAR FACE REINFORCEMENT ELEVATION
SCALE: 3/16" = 1'-0"

NOTES:
1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-23.

NO. - INDICATES CONCRETE PLACEMENT NUMBER

M.P. 238.22, BIN 5009929

ALTERED ON: _____ AFFIXED ON: 04/18/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE
STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING END ABUTMENT REINFORCEMENT ELEVATION WESTBOUND	DRAWING NUMBER: ST-29

CHECKED BY: D. LEVINE

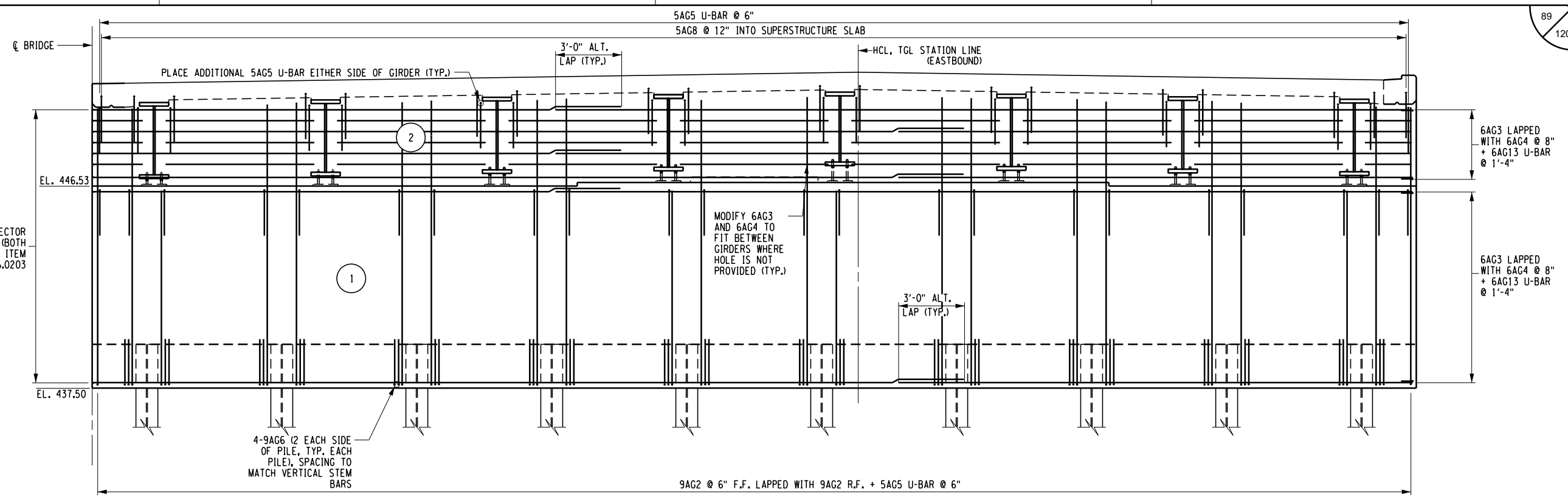
DRAFTED BY: I. GUYVORONSKY

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

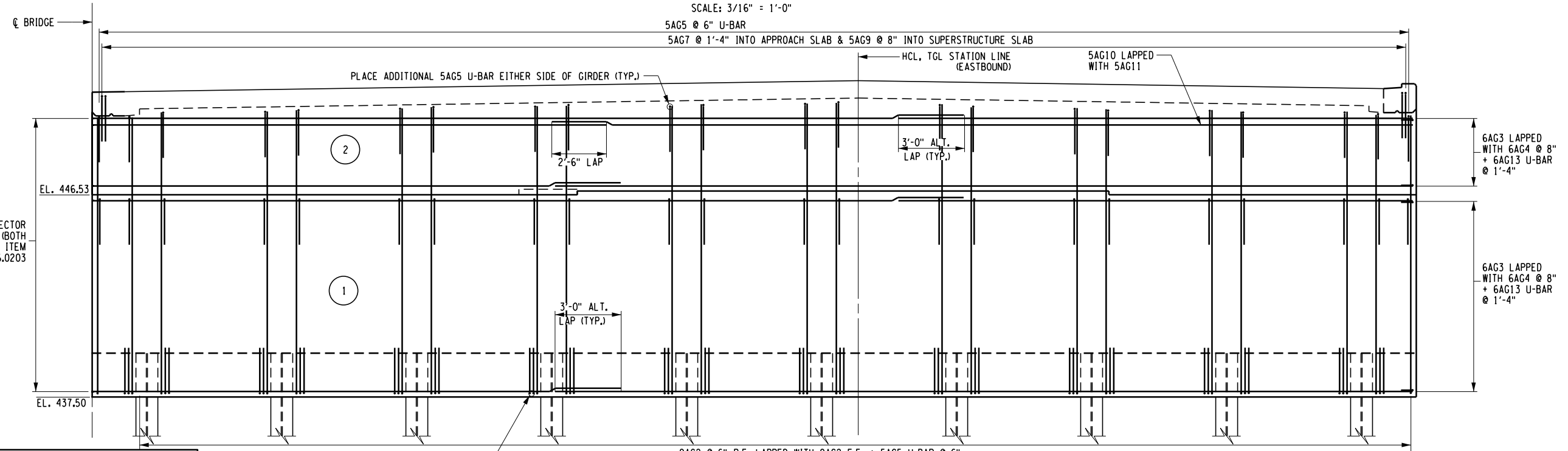
DESIGN SUPERVISOR: D. LEVINE

PROVIDE MECHANICAL CONNECTOR FOR LONGITUDINAL BARS (BOTH FACES) PAID FOR UNDER ITEM 556.0203



END ABUTMENT EASTBOUND FRONT FACE REINFORCEMENT ELEVATION
SCALE: 3/16" = 1'-0"

PROVIDE MECHANICAL CONNECTOR FOR LONGITUDINAL BARS (BOTH FACES) PAID FOR UNDER ITEM 556.0203




END ABUTMENT EASTBOUND REAR FACE REINFORCEMENT ELEVATION
SCALE: 3/16" = 1'-0"

NOTES:
1. FOR ADDITIONAL NOTES SEE DWG. NO. ST-23.

NO. - INDICATES CONCRETE PLACEMENT NUMBER

M.P. 238.22, BIN 5009929

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING END ABUTMENT REINFORCEMENT ELEVATION EASTBOUND	DRAWING NUMBER: ST-30

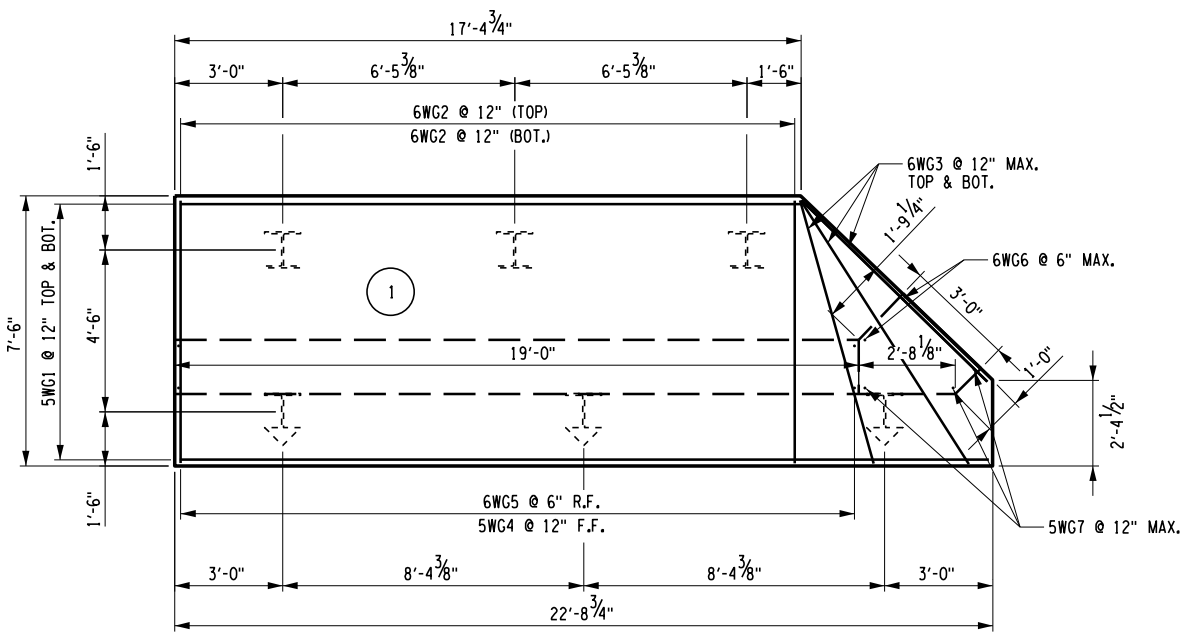
CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYVORONSKY

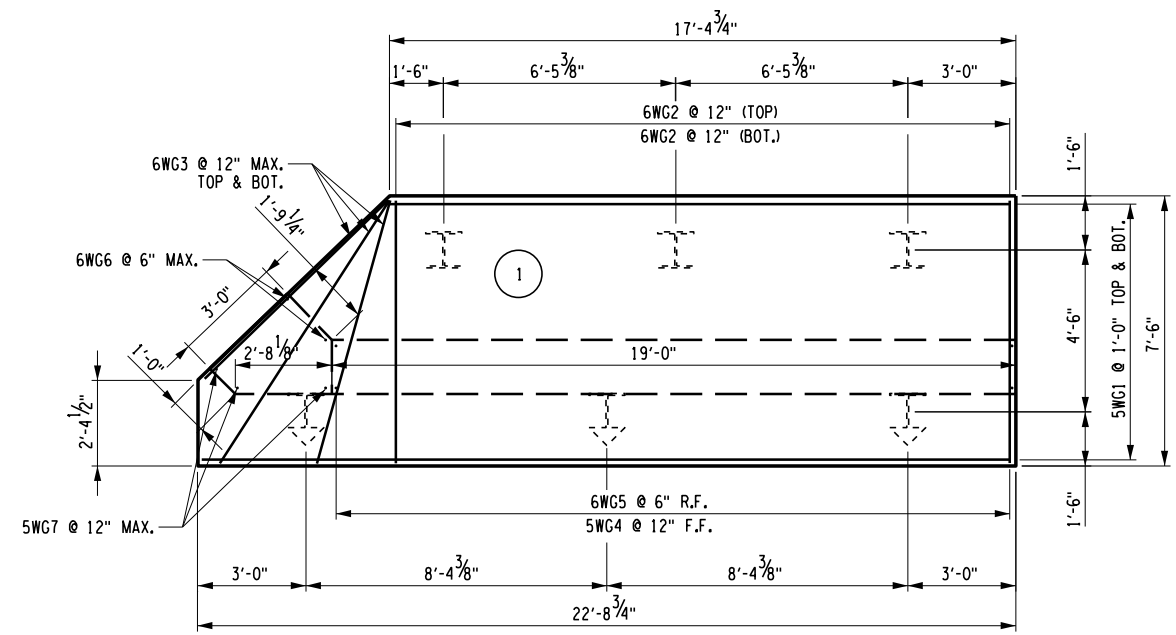
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

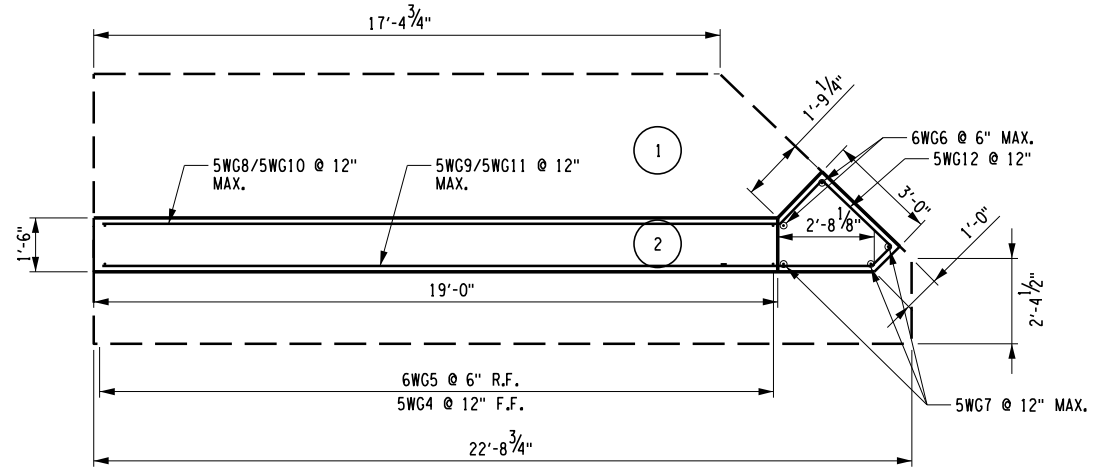
DESIGN SUPERVISOR: D. LEVINE



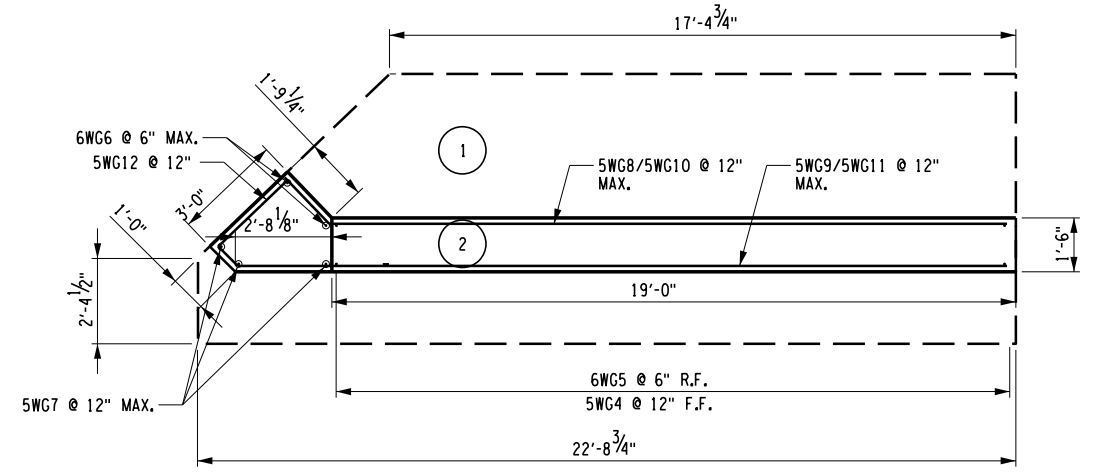
"BAL/EAR" WINGWALL FOOTING REINFORCEMENT PLAN
SCALE: 3/16" = 1'-0"



"BAR/EAL" WINGWALL FOOTING REINFORCEMENT PLAN
SCALE: 3/16" = 1'-0"



"BAL/EAR" WINGWALL STEM REINFORCEMENT PLAN
SCALE: 3/16" = 1'-0"



"BAR/EAL" WINGWALL STEM REINFORCEMENT PLAN
SCALE: 3/16" = 1'-0"

BAL WINGWALL CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	15 CY	555.0011
2	14 CY	555.0021

BAR WINGWALL CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	15 CY	555.0011
2	14 CY	555.0021

EAL WINGWALL CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	15 CY	555.0011
2	13 CY	555.0021

EAR WINGWALL CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	15 CY	555.0011
2	13 CY	555.0021

NO. - INDICATES CONCRETE PLACEMENT NUMBER

NOTES:
1. FOR REINFORCEMENT NOTES SEE DWG. NO. ST-23.

M.P. 238.22, BIN 5009929

ALTERED ON: _____ AFFIXED ON: 04/18/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE
STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

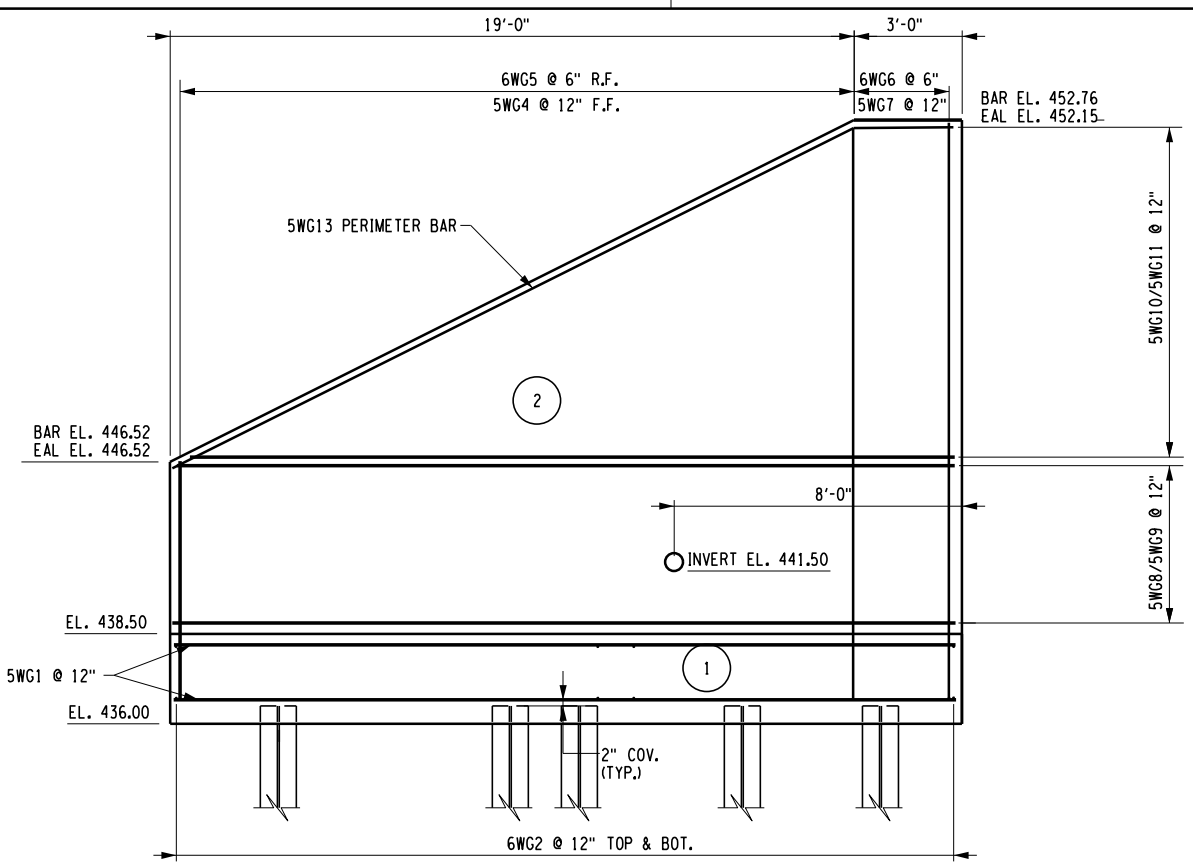
TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WINGWALL REINFORCEMENT FOOTING AND STEM PLAN	DRAWING NUMBER: ST-31

CHECKED BY: D. LEVINE

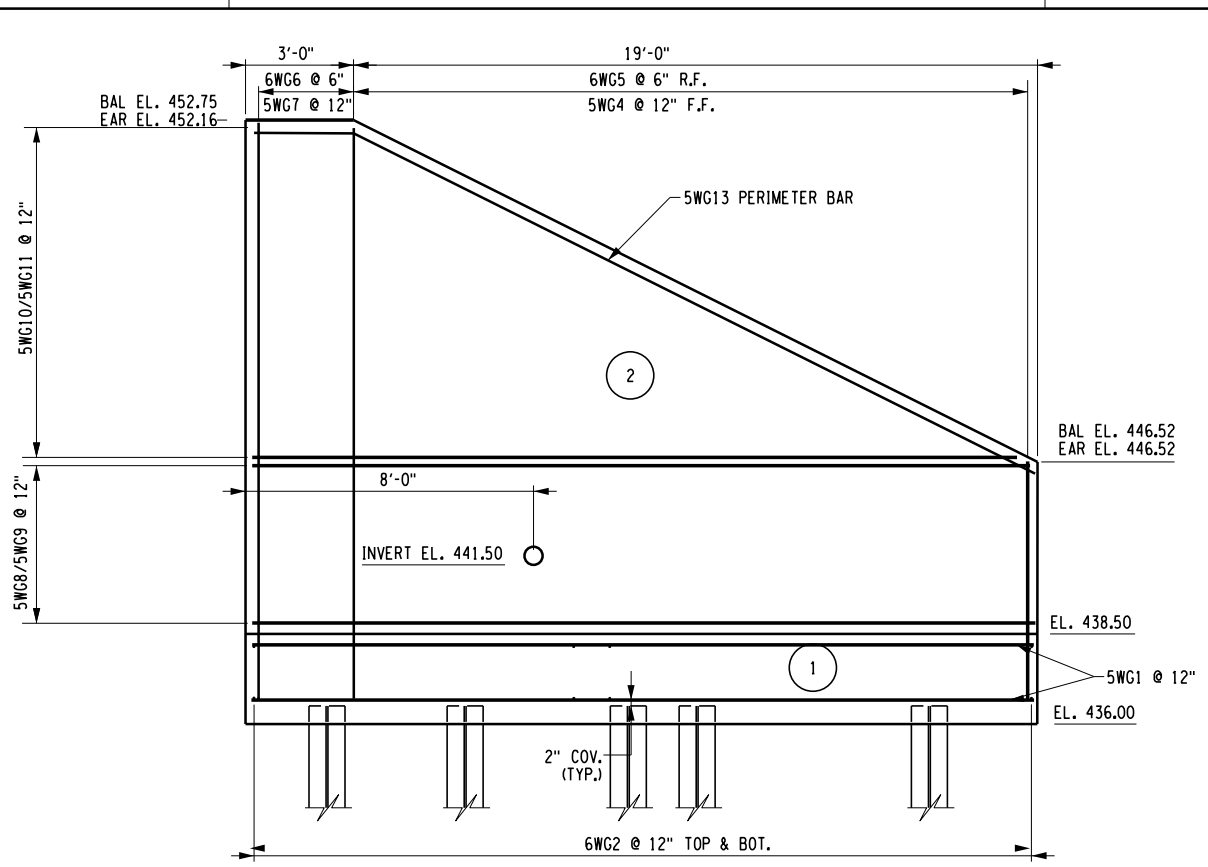
DRAFTED BY: I. GUYVORONSKY

CHECKED BY: D. LEVINE

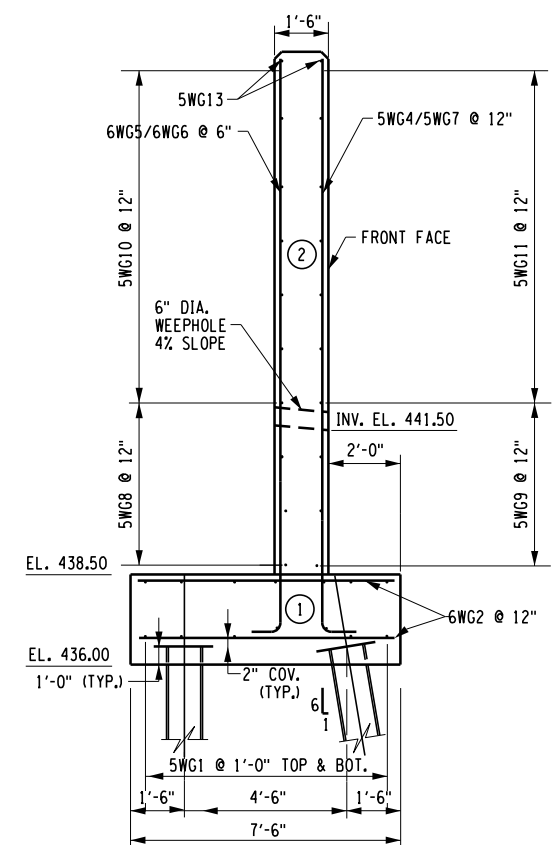
DESIGNED BY: J.P. O'LOUGHLIN



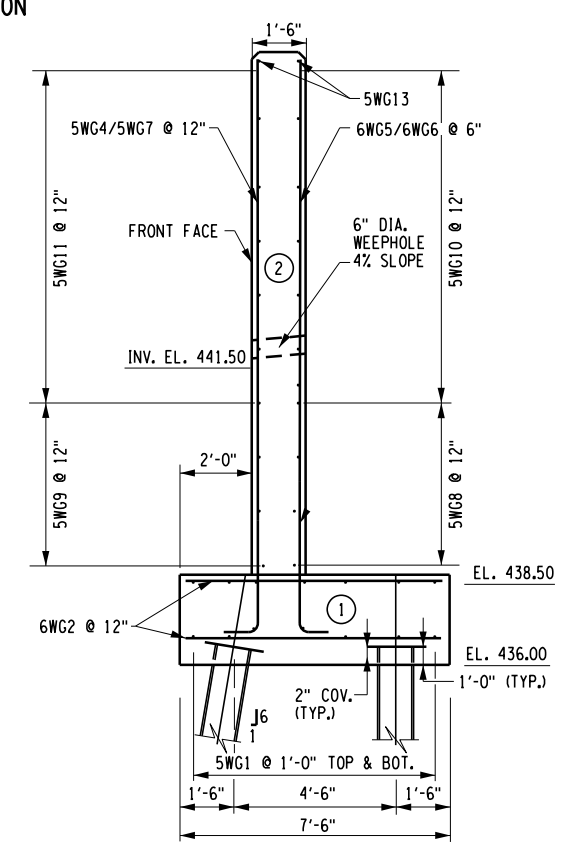
"BAR/EAL" WINGWALL REINFORCEMENT ELEVATION
SCALE: 3/16" = 1'-0"



"BAL/EAR" WINGWALL REINFORCEMENT ELEVATION
SCALE: 3/16" = 1'-0"



"BAR/EAL" WINGWALL REINFORCEMENT SECTION
SCALE: 3/16" = 1'-0"



"BAL/EAR" WINGWALL REINFORCEMENT SECTION
SCALE: 3/16" = 1'-0"

- NOTES:
1. FOR REINFORCEMENT NOTES SEE DWG. NO. ST-23.
2. FOR CONCRETE POUR TABLES SEE DWG. NO. ST-31.

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WINGWALL REINFORCEMENT SECTION AND ELEVATION PLAN	DRAWING NUMBER: ST-32

M.P. 238.22, BIN 5009929

CHECKED BY: D. LEVINE

DRAFTED BY: I. TESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

BEGIN ABUTMENT STAGE 2 PILE TABLE		
PILE NO.	ESTIMATED LENGTH BELOW CUT-OFF	ACTUAL LENGTH BELOW CUT-OFF
1	55 FT	
2	55 FT	
3	55 FT	
4	55 FT	
5	55 FT	
6	55 FT	
7	55 FT	
8	55 FT	
9	55 FT	
10	55 FT	

END ABUTMENT STAGE 2 PILE TABLE		
PILE NO.	ESTIMATED LENGTH BELOW CUT-OFF	ACTUAL LENGTH BELOW CUT-OFF
1	55 FT	
2	55 FT	
3	55 FT	
4	55 FT	
5	55 FT	
6	55 FT	
7	55 FT	
8	55 FT	
9	55 FT	
10	55 FT	

BEGIN ABUTMENT STAGE 4 PILE TABLE		
PILE NO.	ESTIMATED LENGTH BELOW CUT-OFF	ACTUAL LENGTH BELOW CUT-OFF
11	55 FT	
12	55 FT	
13	55 FT	
14	55 FT	
15	55 FT	
16	55 FT	
17	55 FT	
18	55 FT	
19	55 FT	
20	55 FT	

END ABUTMENT STAGE 4 PILE TABLE		
PILE NO.	ESTIMATED LENGTH BELOW CUT-OFF	ACTUAL LENGTH BELOW CUT-OFF
11	55 FT	
12	55 FT	
13	55 FT	
14	55 FT	
15	55 FT	
16	55 FT	
17	55 FT	
18	55 FT	
19	55 FT	
20	55 FT	

BAR WINGWALL STAGE 2 PILE TABLE		
PILE NO.	ESTIMATED LENGTH BELOW CUT-OFF	ACTUAL LENGTH BELOW CUT-OFF
21	55 FT	
22	55 FT	
23	55 FT	
24	55 FT	
25	55 FT	
26	55 FT	

EAL WINGWALL STAGE 2 PILE TABLE		
PILE NO.	ESTIMATED LENGTH BELOW CUT-OFF	ACTUAL LENGTH BELOW CUT-OFF
21	55 FT	
22	55 FT	
23	55 FT	
24	55 FT	
25	55 FT	
26	55 FT	

BAL WINGWALL STAGE 4 PILE TABLE		
PILE NO.	ESTIMATED LENGTH BELOW CUT-OFF	ACTUAL LENGTH BELOW CUT-OFF
27	55 FT	
28	55 FT	
29	55 FT	
30	55 FT	
31	55 FT	
32	55 FT	

EAR WINGWALL STAGE 4 PILE TABLE		
PILE NO.	ESTIMATED LENGTH BELOW CUT-OFF	ACTUAL LENGTH BELOW CUT-OFF
27	55 FT	
28	55 FT	
29	55 FT	
30	55 FT	
31	55 FT	
32	55 FT	

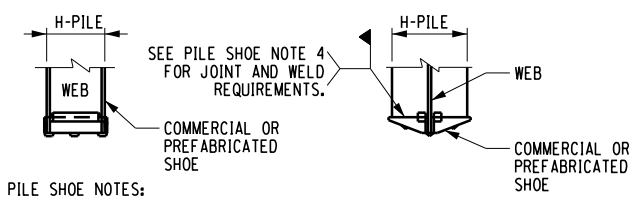
PILES NOTES:

- DRIVE PILES TO PRACTICAL REFUSAL (20 BLOWS PER INCH), AND A NOMINAL RESISTANCE OF 300 KIPS PER PILE. THE BEGIN AND END ABUTMENT HAVE ESTIMATED LENGTH OF 55 FEET. THE WINGWALL PILES HAVE ESTIMATED LENGTH OF 55 FEET.

THE MAXIMUM STRENGTH LIMITS STATE AXIAL LOAD APPLIED TO THE PILES AT THE ABUTMENT IS 195 KIPS PER PILE. THE MAXIMUM STRENGTH LIMITS STATE AXIAL LOAD APPLIED TO THE PILES AT THE WINGWALLS IS 176 KIPS PER PILE.

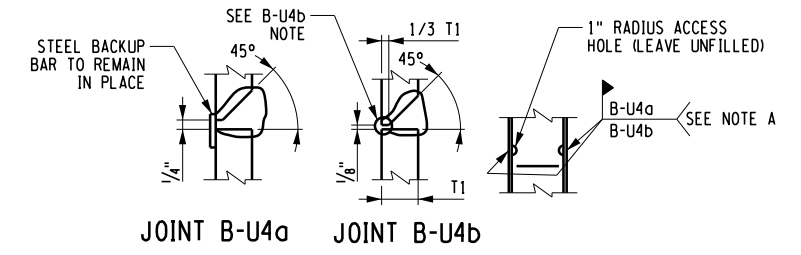
THE MAXIMUM SERVICE LIMITS STATE AXIAL LOAD APPLIED TO THE PILES AT THE WINGWALLS IS 170 KIPS PER PILE. THE MAXIMUM SERVICE LIMITS STATE AXIAL LOAD APPLIED TO THE PILES AT THE WINGWALLS IS 115 KIPS PER PILE.
- DRIVE THE PILES AT THE BEGIN AND END ABUTMENTS AND WINGWALLS TO AN ANTICIPATED DEPTH OF 55 FEET. IMMEDIATELY CONTACT THE NYSTA GEOTECHNICAL ENGINEER IF THE DEPTH IS NOT ACHIEVED. THE EXISTING ABUTMENTS, WINGWALLS AND PIERS ARE PILE SUPPORTED. EXISTING PILES MAY INTERFERE WITH THE INSTALLATION OF THE PROPOSED PILES.
- DYNAMIC PILE TESTS SHALL BE CONDUCTED ON THE FIRST PILE DRIVEN AT THE BEGIN AND END ABUTMENT DURING EACH STAGE OR AT OTHER LOCATIONS ORDERED BY THE ENGINEER. THE DRIVING CRITERIA FOR THE REMAINING PILES SHALL BE BASED ON THE RESULTS OF THESE TESTS. THE PILE USED FOR THE DYNAMIC PILE TEST SHALL BE A MINIMUM OF 5 FEET LONGER THAN THE ESTIMATED PILE LENGTH AT THE TEST LOCATION. REFER TO THE SPECIAL NOTE IN THE PROPOSAL. FURNISHING EQUIPMENT AND PERSONNEL-DYNAMIC LOAD TESTING OF PILES. PERFORM THE WORK IN ACCORDANCE WITH DYNAMIC PILE TESTING ITEM 551.14. NOTIFY THE ENGINEER THREE WORKING DAYS PRIOR TO DYNAMIC TESTING.
- THE NYSDOT GEOTECHNICAL DESIGN MANUAL HAS IDENTIFIED SOILS WITH POTENTIAL RELAXATION WEST OF UTICA. THE DYNAMIC PILE LOAD TEST SHALL BE PERFORMED 7 DAYS AFTER THE COMPLETION OF PILE DRIVING.
- DIFFICULT DRIVING OF PILES MAY BE ENCOUNTERED AND IT MAY BE NECESSARY TO USE MECHANICAL EQUIPMENT TO REMOVE VERY COMPACT MATERIAL OR BOULDERS FROM THE LOCATION OF THE PILES. WHEN REQUIRED, SPUD OR EXCAVATE HOLES PRIOR TO DRIVING IN ACCORDANCE WITH SECTION 551.
- PROVIDE STEEL H-PILES MEETING THE REQUIREMENTS OF ASTM A572 GRADE 50.
- DO NOT USE MECHANICAL SPLICES ON PILES.
- EQUIP ALL STEEL BEARING PILES WITH WELDED PILE SHOES.
- AFTER COMPLETION OF PILE INSTALLATION, THE ENGINEER SHALL COMPLETE THE "ACTUAL PILE LENGTH" TABLE FOR INCLUSION IN THE "AS-BUILT" PLANS.
- PILES SHALL BE EMBEDDED 2'-0" MINIMUM INTO THE ABUTMENT STEMS AND 1'-0" INTO THE WINGWALL FOOTINGS.

PILE WELDING NOTES:
ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER IN ACCORDANCE WITH REQUIREMENTS FOR WELDING SPECIFIED IN THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.



- PILE SHOE NOTES:
- COMMERCIAL OR PREFABRICATED SHOES ARE SUBJECT TO THE APPROVAL OF THE ENGINEER.
 - THE SHOE SHALL BE ATTACHED BY A NYSDOT CERTIFIED WELDER.
 - A "WELDING PROCEDURE SPECIFICATION" (WPS) APPROVED BY THE ENGINEER IS REQUIRED.
 - THE SHOE WELD JOINT DESIGN SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION, AND AS SHOWN ON THE APPROVED WPS.
 - IF SHOES ARE WELDED AT A LOCATION OTHER THAN THE PROJECT SITE, ALL OF THE ABOVE PROVISIONS SHALL APPLY TO THE OFFSITE FABRICATOR. THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR OF THE ACTUAL LOCATION WHERE THE WELDING WILL BE PERFORMED A MINIMUM OF 5 WORKING DAYS BEFORE WORK COMMENCES.

STEEL BEARING PILE SHOES
(COST INCLUDED IN PILE ITEMS)
N.T.S.



- PILE SPLICE NOTES:
A: EITHER JOINT MAY BE USED AT CONTRACTOR'S OPTION.
B-U4b: AIR CARBON ARC GOUGE TO SOUND WELD METAL PRIOR TO WELDING THE SECOND SIDE. THE GOUGE SHALL HAVE A 1/4" MINIMUM RADIUS AT THE ROOT WITH THE TOP SLOPED BACK AT 45° MINIMUM.

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT: REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD LOCATION OF PROJECT: SYRACUSE DIVISION MP 238.22	CONTRACT NUMBER: TAS 24-20B DATE: 04/03/2024 DRAWING NUMBER: ST-33
	TITLE OF DRAWING: ABUTMENT PILE LAYOUT NOTES AND DETAILS	

M.P. 238.22, BIN 5009929

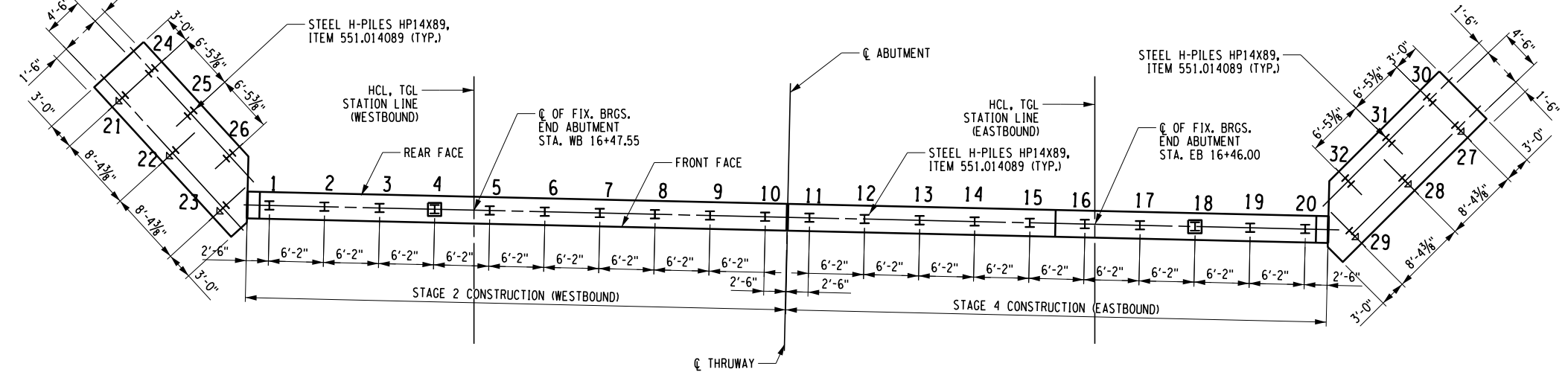
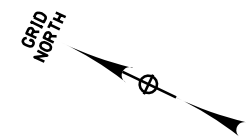
CHECKED BY: D. LEVINE

DRAFTED BY: LITESNER

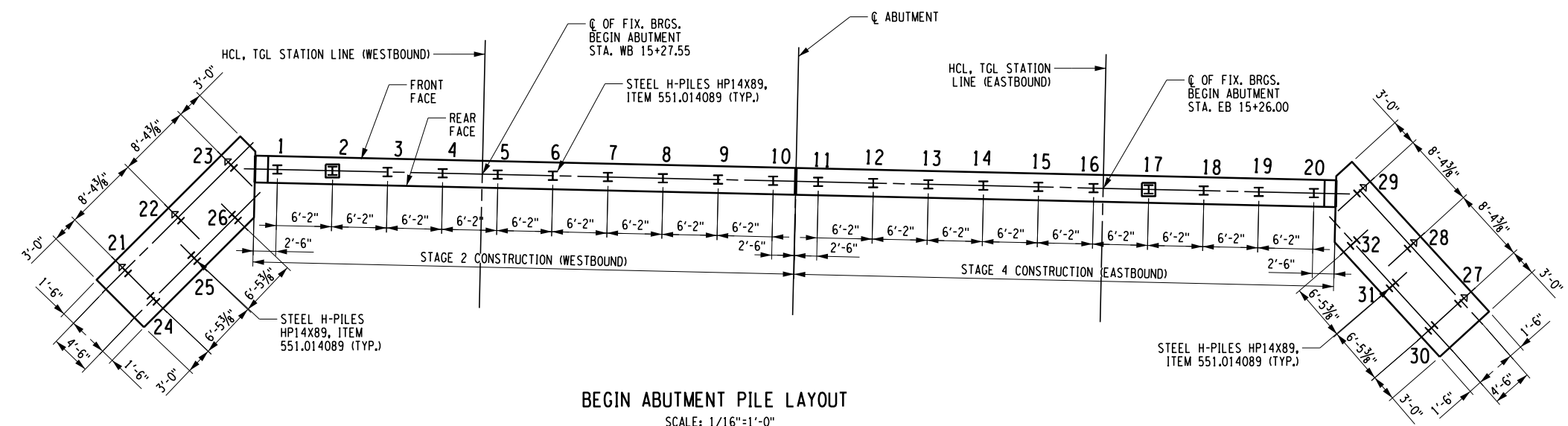
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



END ABUTMENT PILE LAYOUT
SCALE: 1/16"=1'-0"



BEGIN ABUTMENT PILE LAYOUT
SCALE: 1/16"=1'-0"

LEGEND	
	STEEL H-PILE (HP14X89) ITEM 551.014089 (TYP.)
	STEEL H-PILE (HP14X89) BATTERED 6:1 ITEM 551.014089 (TYP.)
	INDICATES PILE SUBJECT TO DYNAMIC PILE LOAD TESTING PER ITEM 551.14

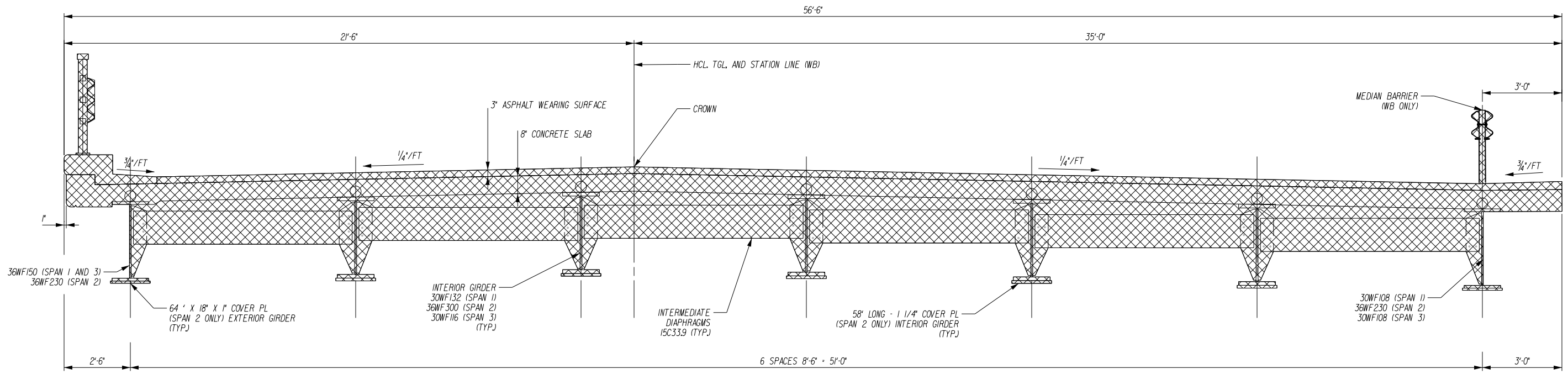
ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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

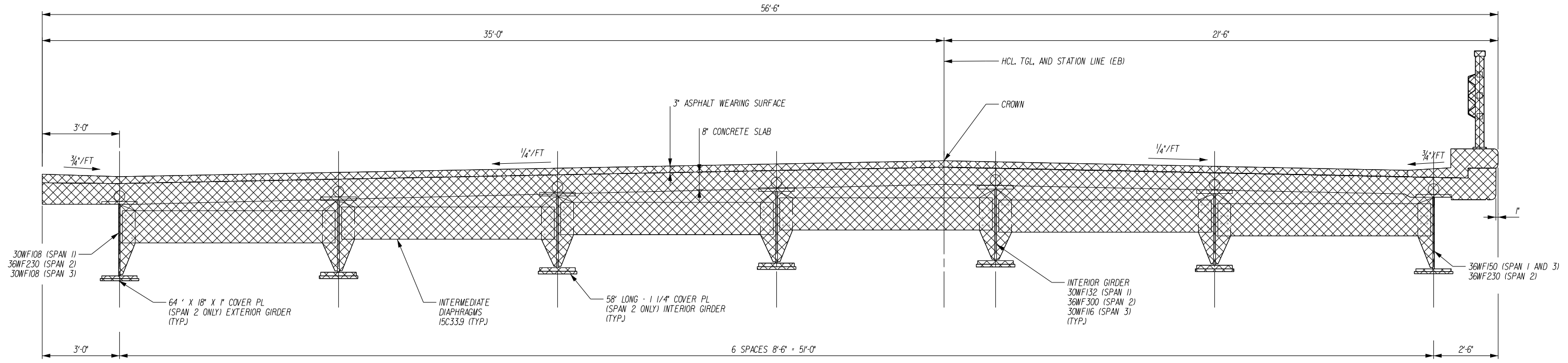
REVISIONS			
DATE	DESCRIPTION	BY	SYL

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING ABUTMENT AND WINGWALLS PILE LAYOUT PLAN	DRAWING NUMBER: ST-34

M.P. 238.22, BIN 5009929



**EXISTING WESTBOUND TRANSVERSE SECTION
LOOKING UPSTATION**
SCALE: 1/4"=1'-0"



**EXISTING EASTBOUND TRANSVERSE SECTION
LOOKING UPSTATION**
SCALE: 1/4"=1'-0"

NOTES:
1. BEARING REMOVAL SHALL BE INCLUDED UNDER ITEM 202.120001.

LEGEND:
 REMOVING EXISTING SUPERSTRUCTURES ITEM 202.120001

M.P. 238.22, BIN 5009929

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EXISTING BRIDGE EXISTING TRANSVERSE SECTION	DRAWING NUMBER: ST-35

PWZ
 CHECKED BY: D. LEVINE
 DRAFTED BY: L. TESNER
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE

67'-0" PAY LIMITS OF PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS, ITEM 559.01

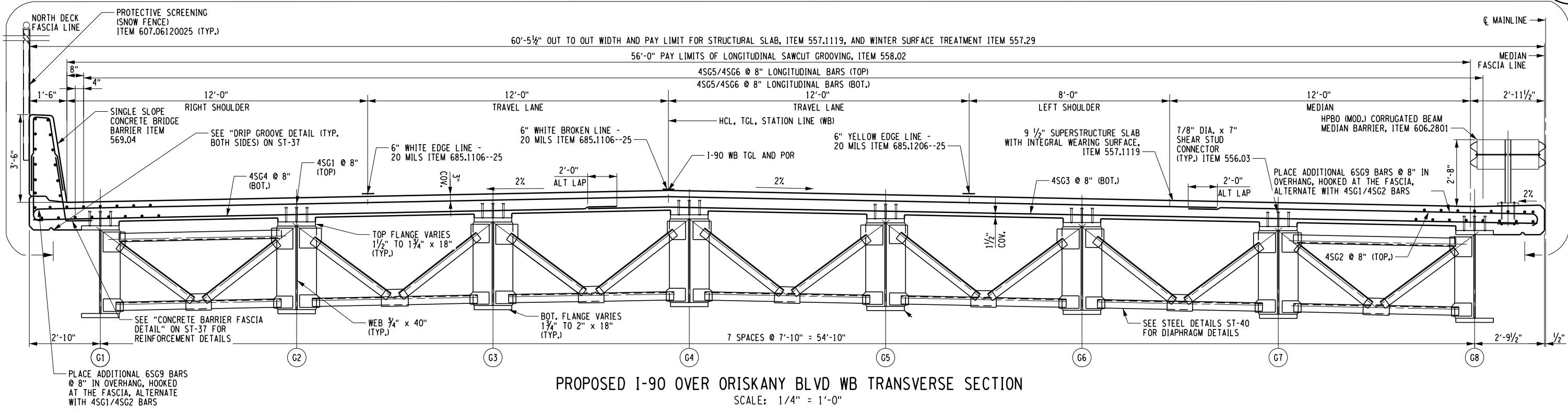
CHECKED BY: D. LEVINE

DRAFTED BY: LTESNER

CHECKED BY: D. LEVINE

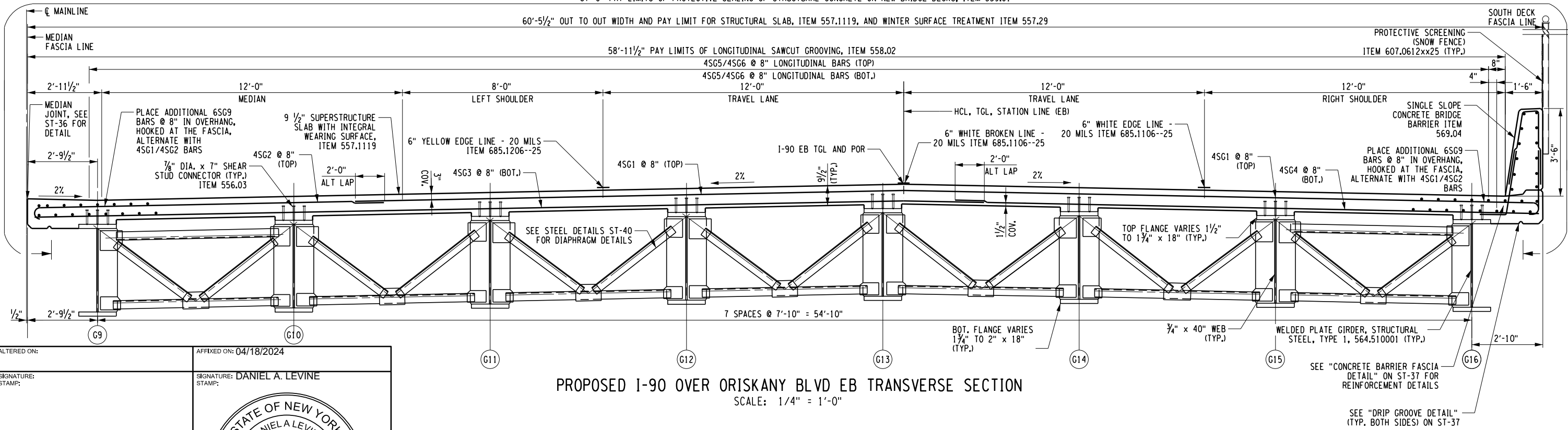
DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



PROPOSED I-90 OVER ORISKANY BLVD WB TRANSVERSE SECTION
SCALE: 1/4" = 1'-0"

67'-0" PAY LIMITS OF PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS, ITEM 559.01



PROPOSED I-90 OVER ORISKANY BLVD EB TRANSVERSE SECTION
SCALE: 1/4" = 1'-0"

ALTERED ON: _____ AFFIXED ON: 04/18/2024
SIGNATURE: _____ STAMP: _____
SIGNATURE: DANIEL A. LEVINE
STAMP: _____



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING PROPOSED TRANSVERSE SECTION	DRAWING NUMBER: ST-36

M.P. 238.22, BIN 5009929

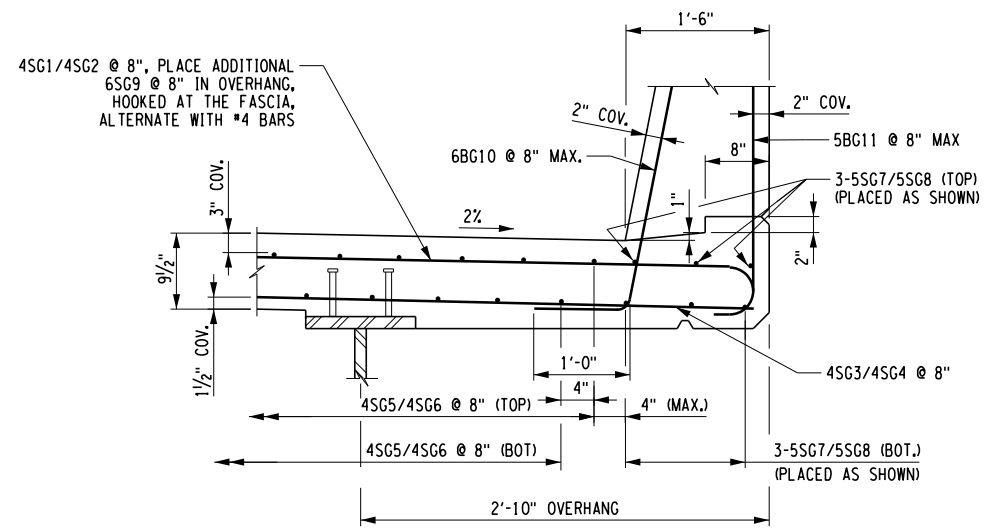
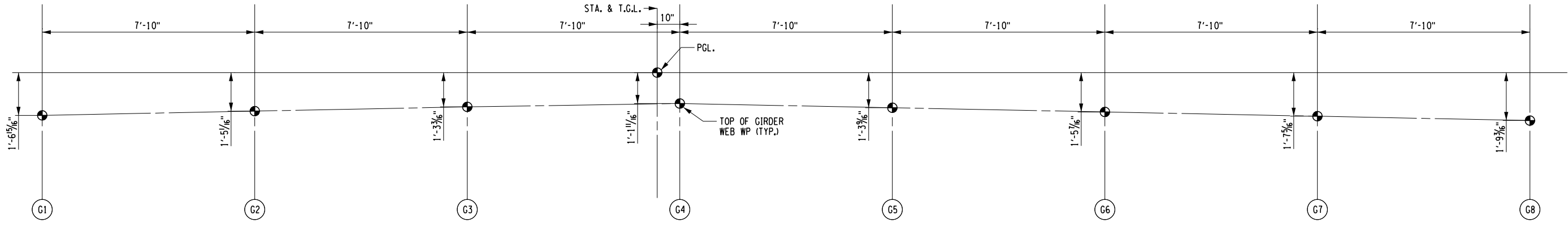
CHECKED BY: D. LEVINE

DRAFTED BY: IGUYVORONSKY

CHECKED BY: D. LEVINE

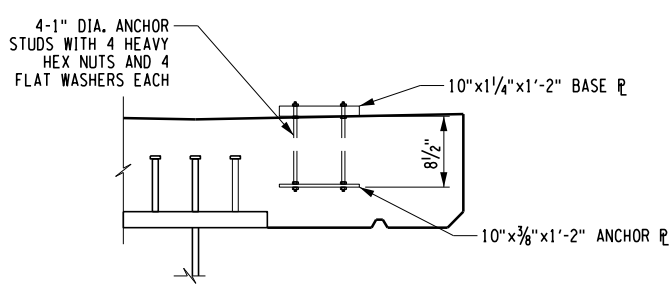
DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

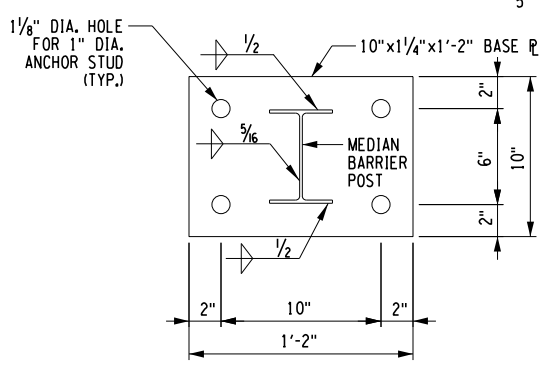


CONCRETE BARRIER FASCIA DETAIL

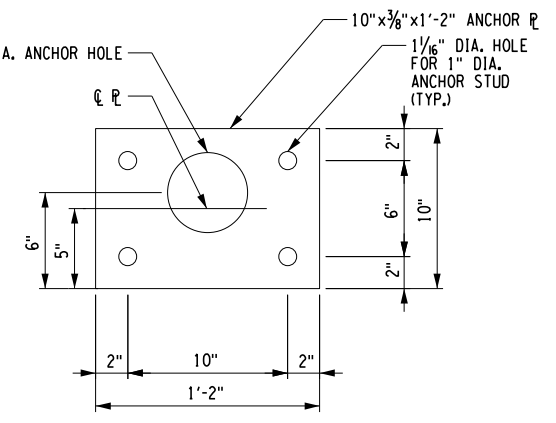
GIRDER WORKPOINT GEOMETRY
SCALE: 1/4" = 1'-0"



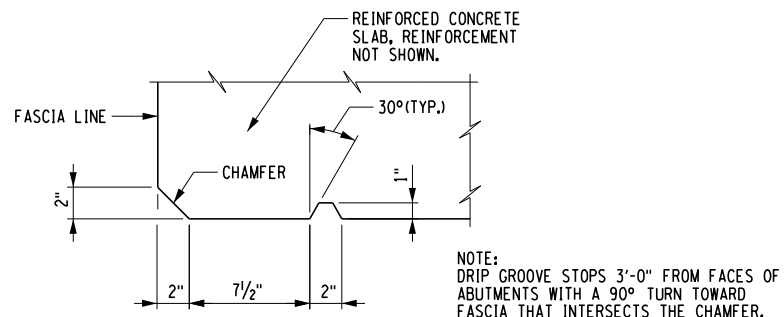
MEDIAN BARRIER CONNECTION DETAIL



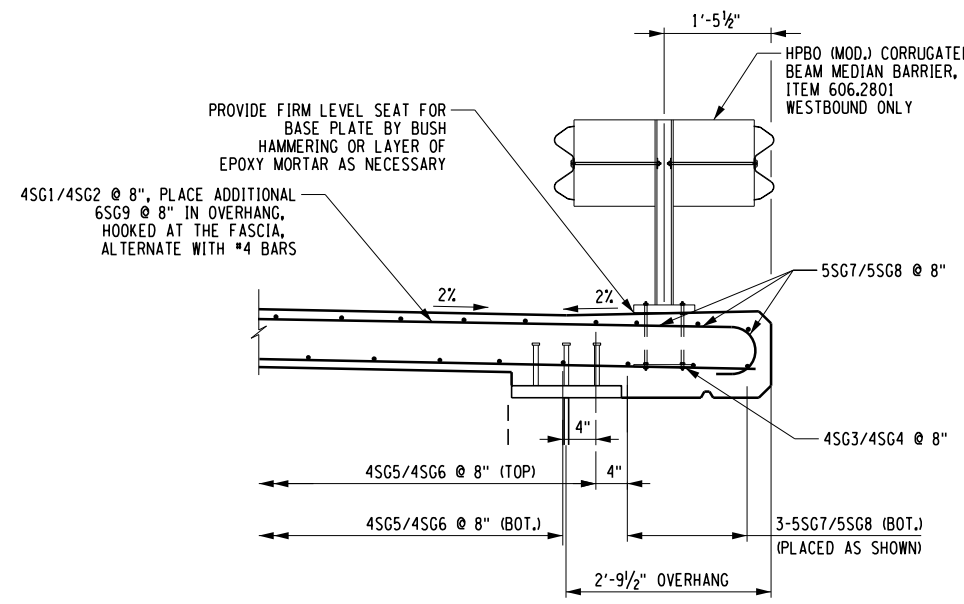
BASE PLATE DETAIL



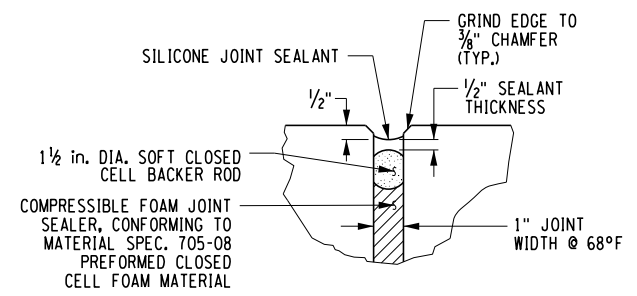
ANCHOR PLATE DETAIL



DRIP GROOVE DETAIL



MEDIAN OVERHANG TYPICAL DETAIL



LONGITUDINAL DECK JOINT DETAIL
NOT TO SCALE

- NOTES:
- COMPONENTS FOR MEDIAN BARRIER SHALL MEET THE MATERIAL REQUIREMENTS OF NYSDOT STANDARD SPECIFICATIONS 606.
 - FOR DECK SLAB REINFORCEMENT, SEE DWG ST-44 AND ST-45.
 - FOR SINGLE SLOPE CONCRETE BRIDGE BARRIER DETAILS, SEE DWG. ST-50 AND ST-51.
 - FOR PROTECTIVE SCREENING (SNOW FENCE) DETAILS, SEE DWG. ST-52.
 - FOR BRIDGE DECK STRIPING ITEMS, SEE DWG. ST-36.

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

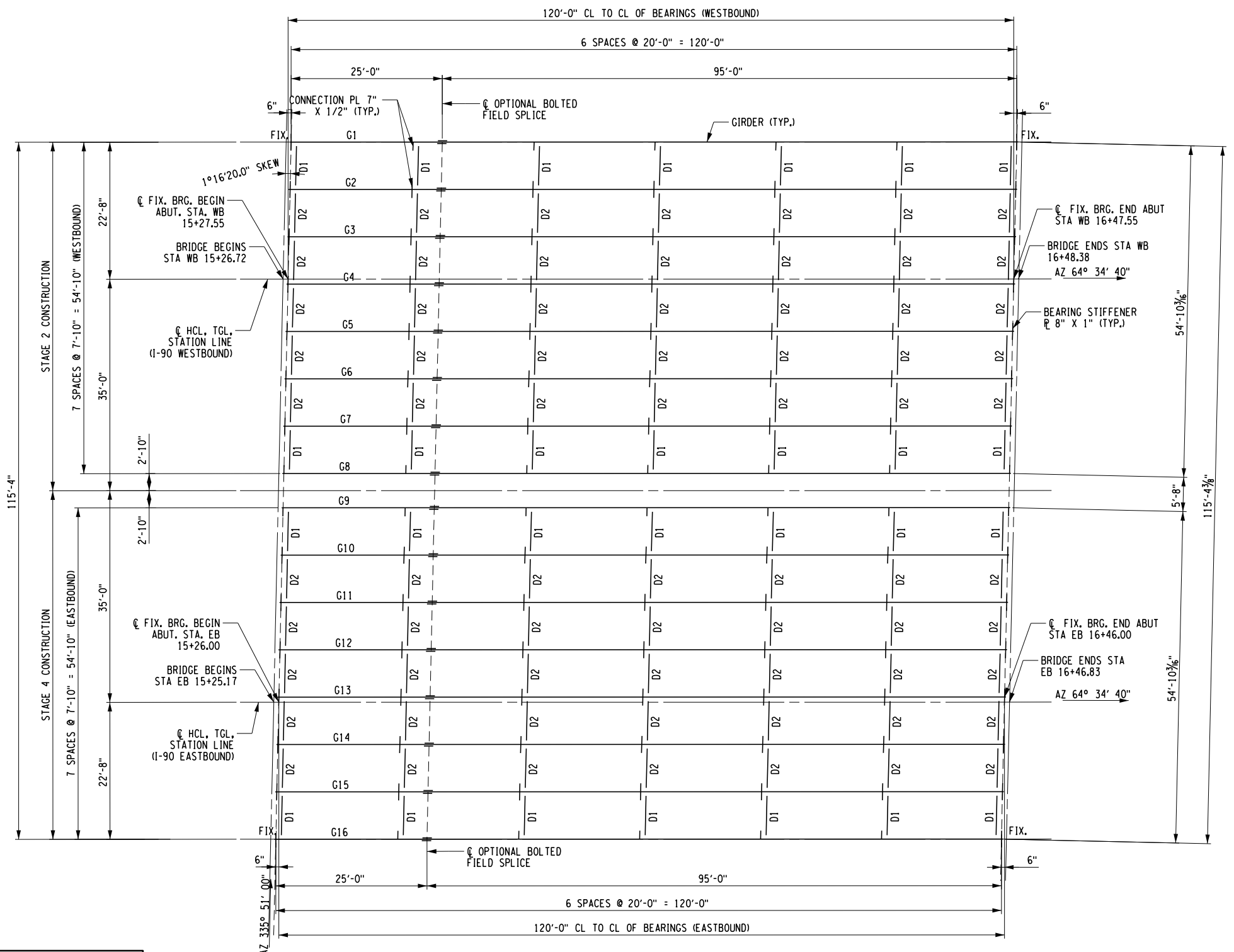
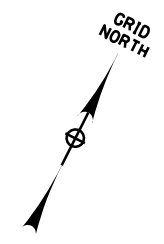
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING PROPOSED TRANSVERSE SECTION DETAILS	DRAWING NUMBER: ST-37

M.P. 238.22, BIN 5009929



FRAMING PLAN
SCALE: 1/16"=1'-0"

NOTES FOR STRUCTURAL STEEL:

- 1) THE CONTRACTOR SHALL VERIFY THE VERTICAL CLEARANCE UNDER THE NEW STRUCTURE PRIOR TO PLACING ANY DECK FORMING. THIS MEASUREMENT SHALL BE TAKEN AT THE POINT OF MINIMUM VERTICAL CLEARANCE AND SHALL INCLUDE DEDUCTIONS FOR DEAD LOAD AND SUPERIMPOSED DEAD LOAD DEFLECTIONS.
- 2) DIAPHRAGMS AND SECONDARY MEMBERS SHALL BE GALVANIZED IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 719-01. COST INCLUDED UNDER ITEM 572.00020125.

M.P. 238.22, BIN 5009929

CHECKED BY: D. LEVINE
 DRAFTED BY: I. GUYVORONSKY
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 04/18/2024 SIGNATURE: DANIEL A. LEVINE STAMP:
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING STEEL FRAMING PLAN	DRAWING NUMBER: ST-38

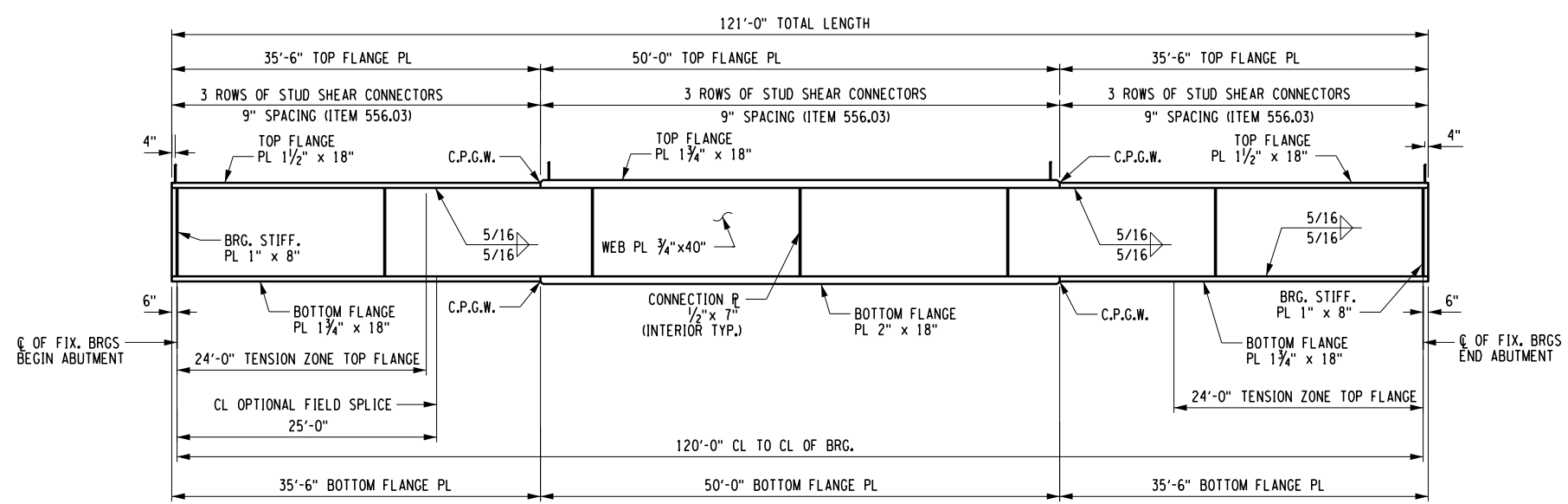
CHECKED BY: D. LEVINE

DRAFTED BY: LITNESNER

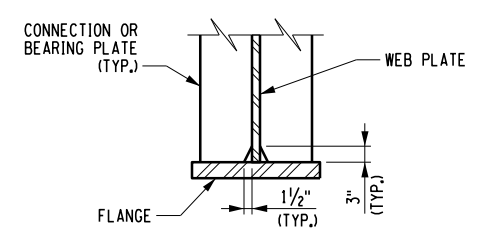
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

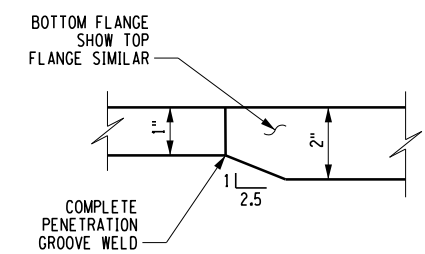
DESIGN SUPERVISOR: D. LEVINE



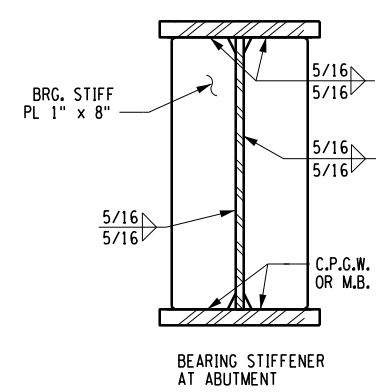
GIRDER ELEVATION
NOT TO SCALE



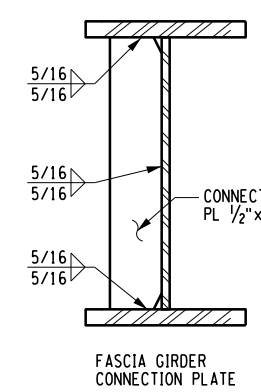
SNIPE DETAIL
NOT TO SCALE



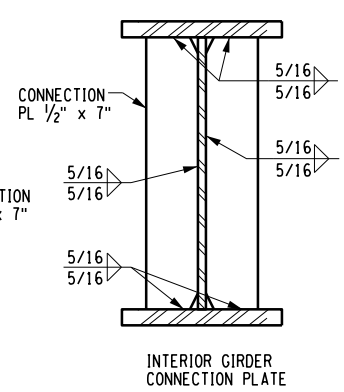
FLANGE THICKNESS TAPER
NOT TO SCALE



BEARING STIFFENER AT ABUTMENT

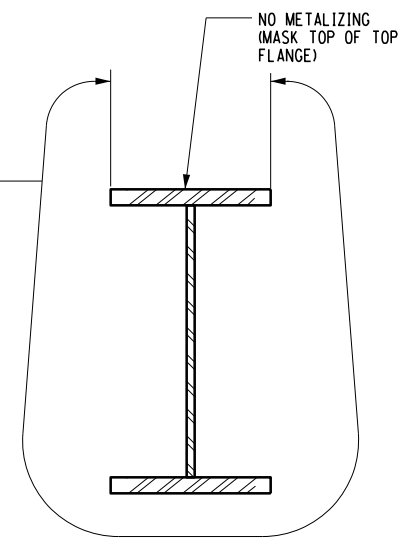


FASCIA GIRDER CONNECTION PLATE

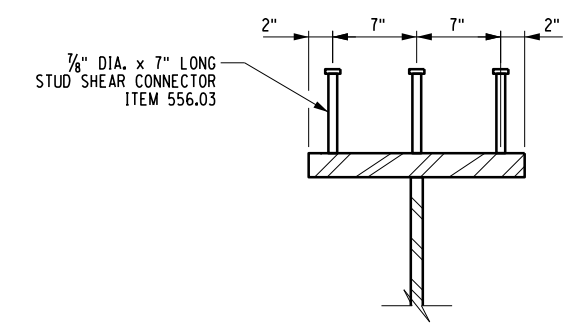


INTERIOR GIRDER CONNECTION PLATE

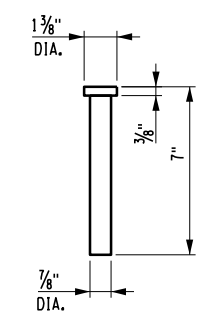
LIMITS OF METALIZING
ITEM 572.00020125
ALL GIRDERS
(SEE NOTES 9 - 11)



GIRDER METALIZING DETAIL
(11.5 SF/FT)



STUD SHEAR CONNECTOR DETAIL
NOT TO SCALE



STUD DETAIL
NOT TO SCALE

GIRDER SECTIONS
NOT TO SCALE

NOTES:

- ALL STRUCTURAL STEEL SHALL BE ASTM A709 GR. 50, UNLESS OTHERWISE NOTED.
- SHOP DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL AND SHALL BE SUBMITTED IN ACCORDANCE WITH NYSTA PROCEDURES.
- WELDING: ALL WELDING SHALL CONFORM TO THE LATEST VERSION OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL UNLESS OTHERWISE NOTED.
- ALL BEARING STIFFENERS AND CONNECTION PLATES SHALL BE PERPENDICULAR TO BOTH FLANGES.
- FITTED CONNECTION PLATES SHALL NOT BE DRIVEN INTO PLACE WITH FORCE THAT DISTORTS THE FLANGES, WEB, OR CONNECTION PLATE.
- FOR CONNECTION PLATE AND STIFFENER LOCATIONS, SEE FRAMING PLAN ON DWG. ST-38.
- FOR BOLTED FIELD SPLICE DETAILS, SEE DWG. ST-41.
- ALL COST ASSOCIATED WITH THE TEMPORARY GIRDER SUPPORT, INCLUDING SHOP DRAWING PREPARATION, FABRICATION, GALVANIZING, AND ERECTION, SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 564.510001 NO SEPARATE OR DIRECT PAYMENT SHALL BE MADE. WELDING: ALL WELDING SHALL CONFORM TO THE LATEST VERSION OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL UNLESS OTHERWISE NOTED.
- ALL GIRDERS, INCLUDING BEARING STIFFENERS AND CONNECTION PLATES, SHALL BE METALIZED FOR THEIR ENTIRE LENGTH, EXCEPT FOR THE TOP FLANGE, METALIZING SHALL BE PAID FOR UNDER ITEM 572.00020125. FOR MORE INFORMATION, SEE GIRDER METALIZING DETAIL, THIS SHEET.
- UPON COMPLETION OF METALIZING OF THE STRUCTURAL STEEL, APPLY A PROTECTIVE METALIZING SEALER TO ALL SURFACES THAT ARE METALIZED EXCEPT FOR FAYING SURFACES, CONNECTION AREAS NOT TO BE SEALED SHALL BE PROPERLY MASKED TO PROTECT THEM FROM OVER-SPRAY OR OVER-RUN. THE COST FOR THE SEALING IS INCLUDED IN THE UNIT PRICE BID FOR ITEM 572.00020125.
- AFTER SITE ERECTION OF THE SUPERSTRUCTURE, APPLY THE SEALER COAT TO FASTENERS AND OTHER METALIZED SURFACES THAT WERE NOT SEALED IN THE SHOP. COST INCLUDED UNDER ITEM 572.00020125.

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING PROPOSED GIRDER ELEVATION	DRAWING NUMBER: ST-39

M.P. 238.22, BIN 5009929

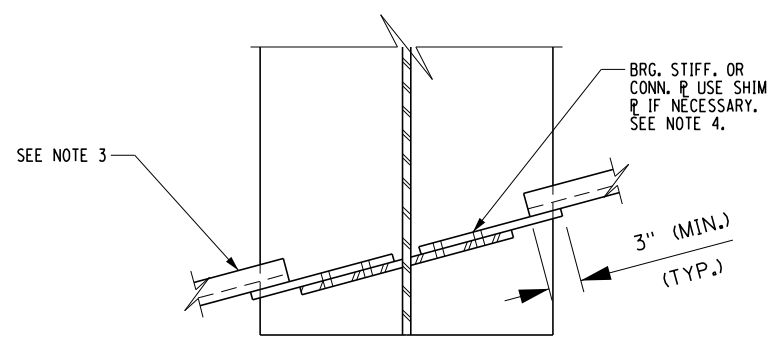
CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYBORONSKY

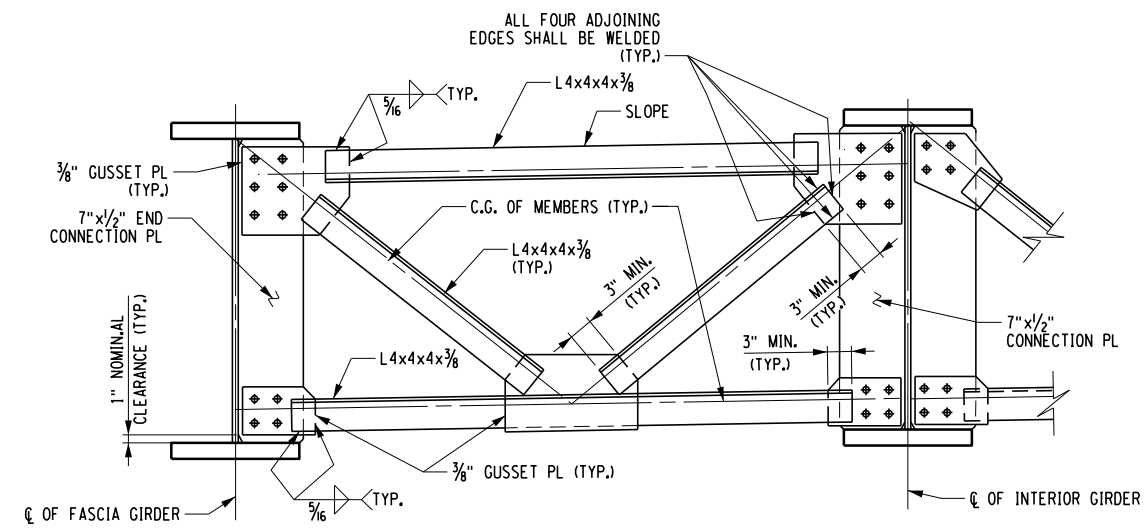
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

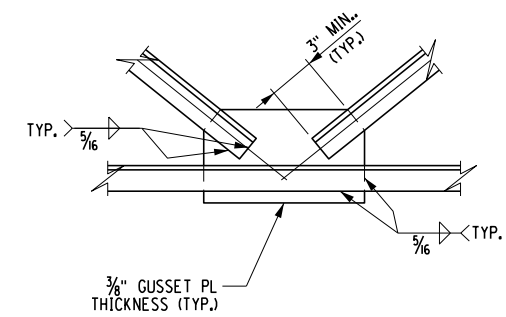
DESIGN SUPERVISOR: D. LEVINE



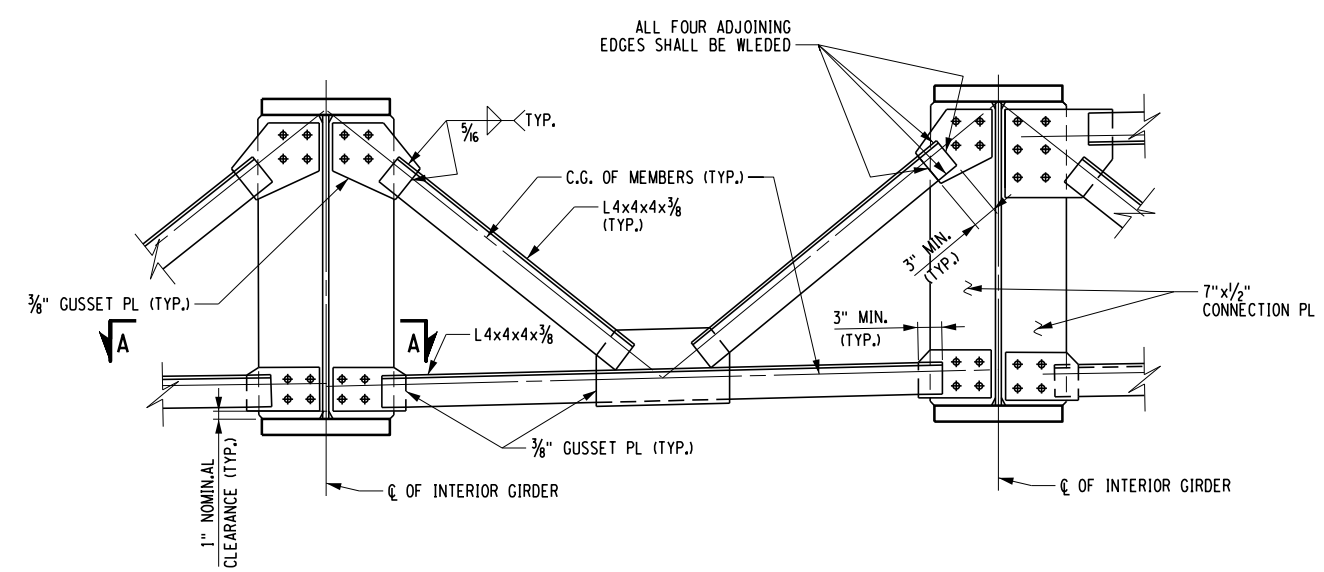
SECTION A-A
NOT TO SCALE



CROSSFRAME D1
NOT TO SCALE



CENTER GUSSET PLATE
NOT TO SCALE



CROSSFRAME D2
NOT TO SCALE

NOTES:

1. CONNECTIONS SHALL BE MADE ACCORDING TO THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
2. UNLESS OTHERWISE INDICATED, BOLTED CONNECTIONS SHALL BE MADE WITH 7/8" DIA. ASTM F3125 GRADE 325 H.S. BOLTS.
3. THE CONTRACTOR MAY PLACE DIAPHRAGMS ON EITHER SIDE OF THE BEARING STIFFENERS OR CONNECTION PLATES AS NECESSARY TO CORRECT ALIGNMENT PROVIDED THERE WILL BE NO INTERFERENCE WITH OTHER STRUCTURAL DETAILS.
4. TAPERED OR FLAT SHIM PLATES MAY BE USED IN THE CONNECTION BETWEEN SKEWED DIAPHRAGMS AND THE BEARING STIFFENERS, STIFFENER CONNECTION PLATES OR GUSSET PLATES, VARIABLE THICKNESS OF SHIM PLATES MAY BE USED. THE MINIMUM THICKNESS OF SHIM PLATE SHALL BE 1/8" WITH A MAXIMUM NUMBER OF THREE SHIM PLATES PERMITTED AT ANY CONNECTION. THE TOTAL THICKNESS OF ALL SHIM PLATES USED AT ANY CONNECTION SHALL NOT EXCEED 1". SHIM PLATES SHALL HAVE THE DIMENSION OF FAYING SURFACE. THE SHIM MATERIAL SHALL CONFORM WITH ASTM DESIGNATION A588 FOR WEATHERING STEEL APPLICATION. NO ADDITIONAL PAYMENT WILL BE MADE FOR FURNISHING AND PLACING THE SHIM PLATES.
5. PER THE NEW YORK STATE STEEL CONSTRUCTION MANUAL, FABRICATOR MAY ELECT TO USE OVERSIZED HOLES (1/16" DIA.) IN EITHER THE DIAPHRAGMS OR THE CONNECTION PLATES, BUT NOT BOTH.
6. DIAPHRAGMS AND SECONDARY MEMBERS SHALL BE GALVANIZED IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 719-01. COST INCLUDED UNDER ITEM 572.00020125.

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING TYPICAL STEEL DETAILS (SHEET 1 OF 2)	DRAWING NUMBER: ST-40

M.P. 238.22, BIN 5009929

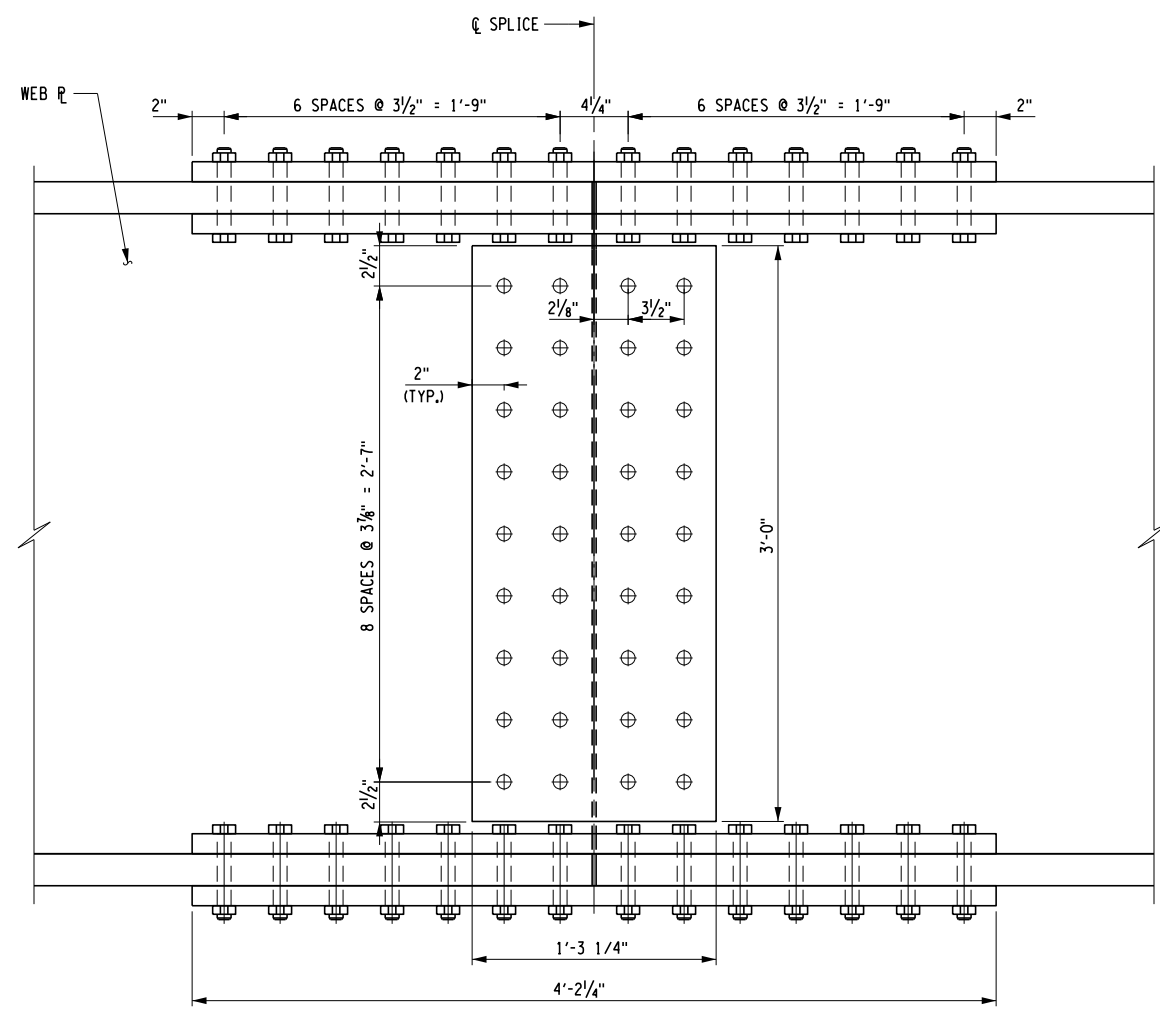
CHECKED BY: D. LEVINE

DRAFTED BY: I. GUYVORONSKY

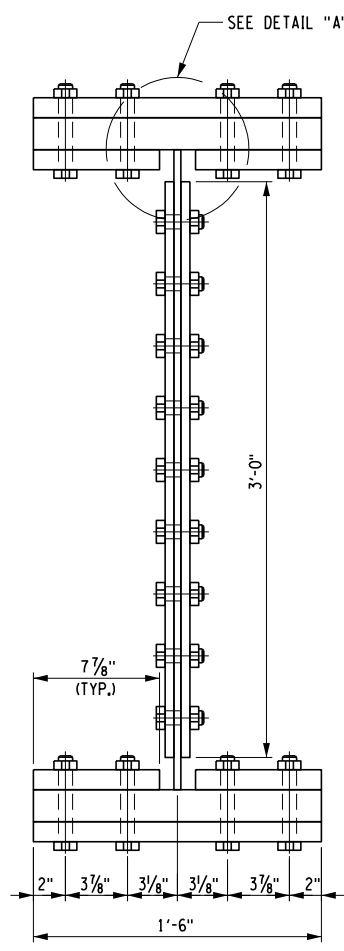
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DESIGNED BY: J.P. O'LOUGHLIN

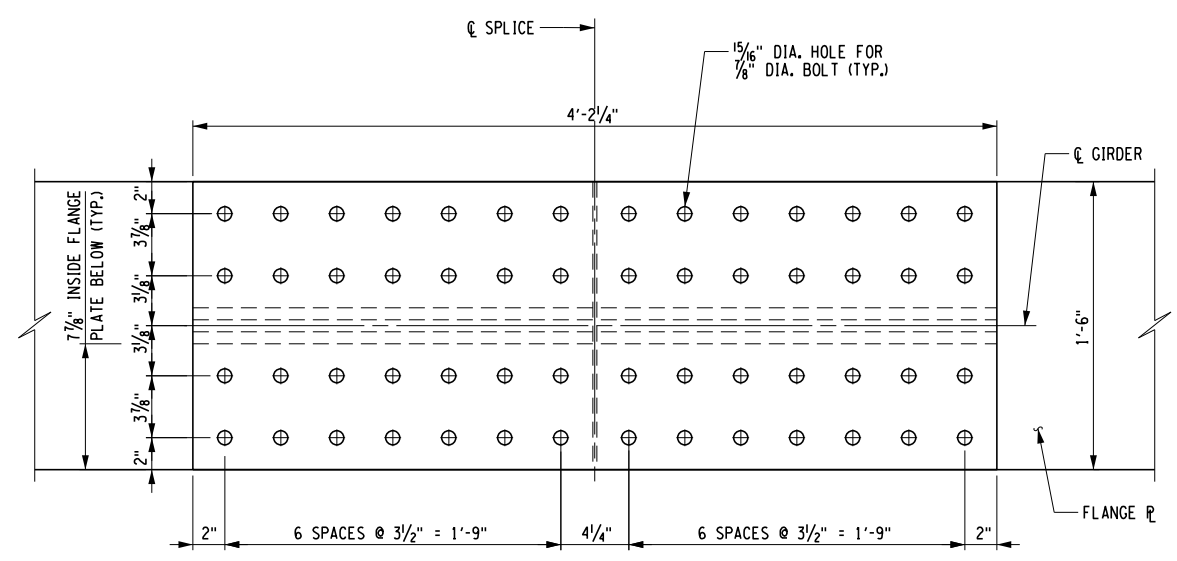
DESIGN SUPERVISOR: D. LEVINE



OPTIONAL WEB SPLICE DETAIL
SCALE: 1" = 1'-0"

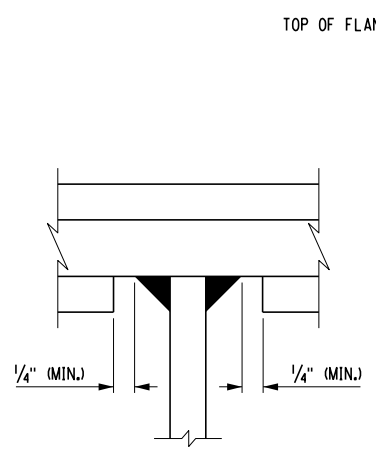


SECTION A-A
SCALE: 1" = 1'-0"

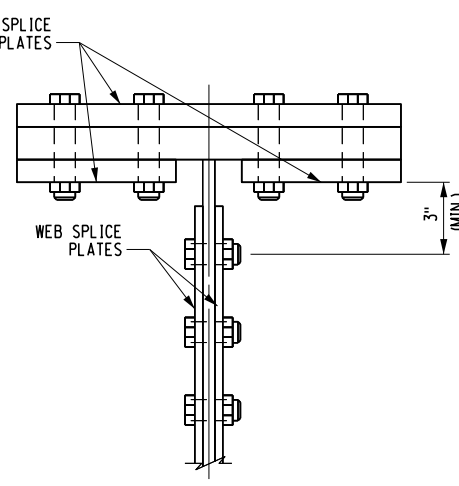


TOP AND BOTTOM FLANGE OUTSIDE SPLICE PLATE
SCALE: 1" = 1'-0"

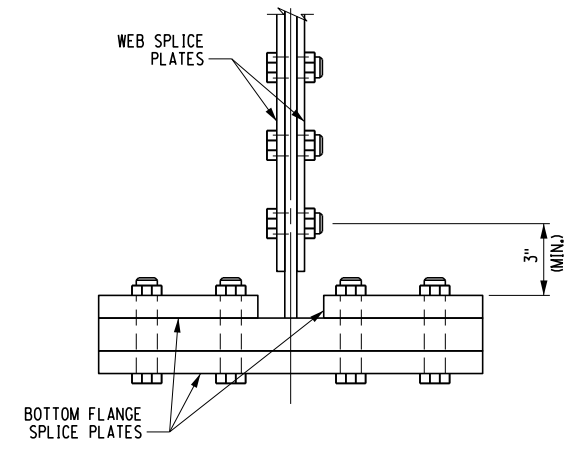
	TOP FLANGE SPLICE	BOTTOM FLANGE SPLICE	WEB SPLICE
SPLICE PLATE	1 - PL 1 3/8" x 18" x 50/4" 2 - PL 1 3/8" x 7 7/8" x 50/4"	1 - PL 1 3/8" x 18" x 50/4" 2 - PL 1 3/8" x 7 7/8" x 50/4"	2 - PL 5/8" x 15 1/4" x 36"
NO. OF BOLTS	28 EACH SIDE	28 EACH SIDE	18 EACH SIDE



DETAIL "A"
NOT TO SCALE



TOP FLANGE



BOTTOM FLANGE

7/8" DIAMETER BOLT ENTERING AND TIGHTENING CLEARANCES
NOT TO SCALE

GIRDER SPLICE NOTES

1. ALL SPLICE PLATES SHALL BE THE SAME GRADE STEEL AS THE GIRDERS (ASTM A709 GR. 50) AND SHALL HAVE OXYGEN CUT EDGES, AS PER SECTION 609 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
2. ALL HOLES FOR SPLICE PLATES SHALL BE 15/16" DIA. FOR 7/8" DIA. ASTM F1325 GRADE 325 TYPE 1 H.S. BOLTS, NUTS AND WASHERS SHALL BE A563 GRADE DH AND F436 RESPECTIVELY. BOLTS, NUTS, AND WASHERS SHALL BE SUPPLIED HOT DIP GALVANIZED.
3. ALL FAYING SURFACES SHALL BE BLAST CLEANED TO AN SSPC SP6 TEXTURE AND SHALL QUALIFY AS AN AASHTO "CLASS B" SURFACE (SLIP COEFFICIENT = 0.50).
4. ALL FAYING SURFACES SHALL REMAIN FREE OF ANY DIRT, RUST, OIL, GREASE, PAINT, OR ANY SUBSTANCE THAT WOULD REDUCE THE FRICTIONAL CAPACITY OF THE BOLTED SPLICE CONNECTION.
5. BOLT LENGTHS SHALL BE SUCH THAT THREADS ARE EXCLUDED FROM THE SHEAR PLANE.
6. THE COST OF ALL GIRDER SPLICE MATERIALS AND INSTALLATION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 564.510001.
7. THE OPTIONAL GIRDER SPLICE DESIGN IS BASED ON THE LOCATION INDICATED ON THE FRAMING PLAN & GIRDER ELEVATION (DWG. ST-38 AND ST-39, RESPECTIVELY). THE CONTRACTOR HAS THE OPTION OF USING ALTERNATE SPLICE LOCATIONS, HOWEVER RELOCATION REQUESTS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. FIELD SPLICE REVISIONS DUE TO SPLICE RELOCATION SHALL BE SEALED BY A LICENSED PROFESSIONAL ENGINEER. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR RELOCATING THE SPLICE. FABRICATION SHALL CONFORM TO THE CURRENT NEW YORK STATE STEEL CONSTRUCTION MANUAL.

M.P. 238.22, BIN 5009929

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING TYPICAL STEEL DETAILS (SHEET 2 OF 2)	DRAWING NUMBER: ST-41

CHECKED BY: D. LEVINE

DRAFTED BY: L. TESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

MOMENT & SHEAR TABLE			CL OF BRGS. BEGIN ABUT.	0.1L1	0.2L1	0.3L1	0.4L1	0.5L1	0.6L1	0.7L1	0.8L1	0.9L1	CL OF BRGS. END ABUT.
GIRDERS G1 & G16	D.L.	MOMENT	0	768	1371	1806	2065	2155	2065	1804	1371	768	0
		SHEAR	71	57	43	29	15	-1	-14	-29	-43	-57	-71
	S.D.L.	MOMENT	0	363	633	814	928	953	926	816	629	364	0
		SHEAR	35	26	20	10	6	2	-7	-11	-20	-26	-35
	HL-93(+)	MOMENT	0	830	1434	1870	2131	2209	2130	1853	1451	827	0
		SHEAR	79	68	57	49	40	34	21	14	8	9	3
HL-93(-)	MOMENT	0	0	0	0	0	0	0	0	0	0	0	0
	SHEAR	-4	-4	-11	-18	-24	-31	-40	-48	-57	-68	-79	0
GIRDERS G2 THRU G7 & G10 THRU G15	D.L.	MOMENT	0	825	1470	1932	2208	2301	2208	1930	1468	825	0
		SHEAR	76	61	46	31	15	0	-15	-31	-46	-61	-76
	S.D.L.	MOMENT	0	102	181	237	271	282	271	237	180	102	0
		SHEAR	9	8	6	4	2	0	-2	-4	-6	-8	-9
	HL-93(+)	MOMENT	0	821	1360	1736	1909	1944	1907	1689	1370	821	0
		SHEAR	84	67	58	48	44	41	26	18	10	9	0
HL-93(-)	MOMENT	0	0	0	0	0	0	0	0	0	0	0	
	SHEAR	0	0	-15	-24	-27	-32	-43	-47	-58	-67	-84	0
GIRDERS G8 & G9	D.L.	MOMENT	0	768	1371	1806	2065	2155	2065	1804	1371	768	0
		SHEAR	71	57	43	29	15	-1	-14	-29	-43	-57	-71
	S.D.L.	MOMENT	0	363	633	814	928	953	926	816	629	364	0
		SHEAR	35	26	20	10	6	2	-7	-11	-20	-26	-35
	HL-93(+)	MOMENT	0	830	1434	1870	2131	2209	2130	1853	1451	827	0
		SHEAR	79	68	57	49	40	34	21	14	8	9	3
HL-93(-)	MOMENT	0	0	0	0	0	0	0	0	0	0	0	
	SHEAR	-4	-4	-11	-18	-24	-31	-40	-48	-57	-68	-79	

MOMENTS AND SHEARS ARE UNFACTORED
MOMENTS ARE EXPRESSED AS KIP-FEET
SHEARS ARE EXPRESSED AS KIP

CAMBER TABLE			CL OF BRGS. BEGIN ABUT.	0.1L1	0.2L1	0.3L1	0.4L1	0.5L1	0.6L1	0.7L1	0.8L1	0.9L1	CL OF BRGS. END ABUT.
GIRDERS G1 & G16	D.L.	I STEEL D.L. (ft.)	0.000	0.044	0.081	0.110	0.129	0.136	0.130	0.111	0.074	0.044	0.000
		II CONCRETE D.L. (ft.)	0.000	0.115	0.211	0.289	0.338	0.355	0.339	0.292	0.214	0.116	0.000
		III SUPER IMPOSED D.L. (ft.)	0.000	0.048	0.088	0.121	0.141	0.148	0.142	0.122	0.089	0.049	0.000
		IV VERTICAL CURVE (ft.)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		TOTAL = I + II + III + IV (ft.)	0.000	0.207	0.381	0.520	0.508	0.639	0.610	0.525	0.378	0.209	0.000
GIRDERS G2 THRU G7 & G10 THRU G15	D.L.	I STEEL D.L. (ft.)	0.000	0.045	0.082	0.111	0.130	0.137	0.131	0.112	0.083	0.045	0.000
		II CONCRETE D.L. (ft.)	0.000	0.126	0.231	0.316	0.369	0.388	0.370	0.318	0.234	0.127	0.000
		III SUPER IMPOSED D.L. (ft.)	0.000	0.012	0.021	0.029	0.034	0.036	0.034	0.029	0.021	0.012	0.000
		IV VERTICAL CURVE (ft.)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		TOTAL = I + II + III + IV (ft.)	0.000	0.182	0.334	0.456	0.533	0.561	0.535	0.460	0.338	0.183	0.000
GIRDERS G8 & G9	D.L.	I STEEL D.L. (ft.)	0.000	0.044	0.081	0.110	0.129	0.136	0.129	0.111	0.082	0.044	0.000
		II CONCRETE D.L. (ft.)	0.000	0.116	0.212	0.289	0.338	0.355	0.339	0.291	0.214	0.116	0.000
		III SUPER IMPOSED D.L. (ft.)	0.000	0.014	0.025	0.034	0.040	0.042	0.040	0.034	0.025	0.014	0.000
		IV VERTICAL CURVE (ft.)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		TOTAL = I + II + III + IV (ft.)	0.000	0.174	0.318	0.433	0.507	0.533	0.509	0.437	0.321	0.174	0.000

DESIGN LOAD TABLE		
UNIT	LOAD K/ft.	
GIRDER	0.315	
DIAPHRAMS	0.007	
HAUNCH	0.05	
SLAB	0.802	
TOTAL	1.174	
BARRIER	0.6	
F.W.S.	0.169	
SNOW FENCE	0.007	
TOTAL	0.776	

DESIGN LOAD TABLE		
UNIT	LOAD K/ft.	
GIRDER	0.315	
DIAPHRAMS	0.014	
HAUNCH	0.05	
SLAB	0.93	
TOTAL	1.309	
BARRIER	0.0	
F.W.S.	0.196	
TOTAL	0.196	

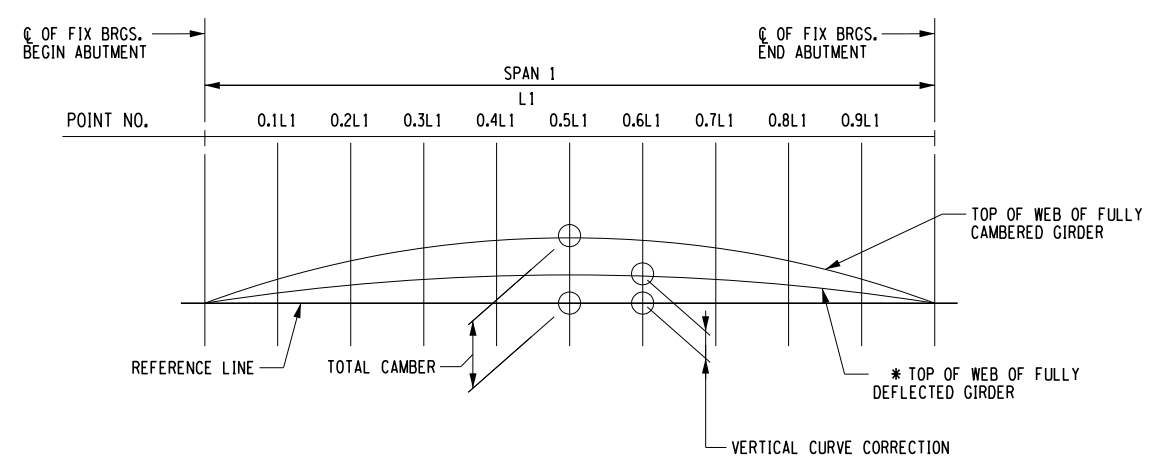
DESIGN LOAD TABLE		
UNIT	LOAD K/ft.	
GIRDER	0.315	
DIAPHRAMS	0.007	
HAUNCH	0.05	
SLAB	0.802	
TOTAL	1.174	
MEDIAN BARRIER	0.015	
F.W.S.	0.169	
TOTAL	0.184	

DESIGN LOAD TABLE		
UNIT	LOAD K/ft.	
GIRDER	0.315	
DIAPHRAMS	0.007	
HAUNCH	0.05	
SLAB	0.802	
TOTAL	1.174	
MEDIAN BARRIER	0.0	
F.W.S.	0.169	
TOTAL	0.169	

ASSUME LIVE LOAD = HL-93 FOR LRFD (HS-25 FOR LFD)

NOTE:
• TOP OF WEB OF FULLY DEFLECTED GIRDER LINE WILL MATCH REFERENCE LINE ON BRIDGES THAT DO NOT HAVE A VERTICAL CURVE.

DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALE IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.



CAMBER DIAGRAM
NOT TO SCALE

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING MOMENTS & SHEAR CAMBER AND LOAD TABLES	DRAWING NUMBER: ST-42

M.P. 238.22, BIN 5009929

CHECKED BY: D. LEVINE

DRAFTED BY: J. TESNER

CHECKED BY: J.P. CLOUGHLIN

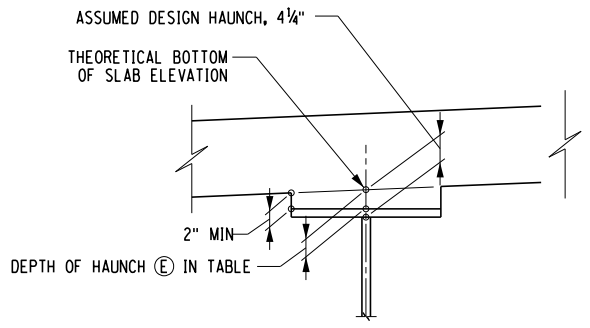
DESIGNED BY: D. LEVINE

DESIGN SUPERVISOR: D. LEVINE


HAUNCH TABLE		CL OF BRGS. BEGIN ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL OF BRGS. END ABUT.
GIRDERS G1	A. REQ'D BOTTOM OF SLAB ELEVATION	452.53	452.47	452.41	452.35	452.29	452.23	452.17	452.11	452.05	451.99	451.93
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.163	0.300	0.410	0.479	0.504	0.481	0.413	0.304	0.165	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G2	A. REQ'D BOTTOM OF SLAB ELEVATION	452.68	452.62	452.56	452.50	452.44	452.38	452.32	452.26	452.20	452.14	452.08
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.138	0.253	0.344	0.403	0.424	0.404	0.347	0.256	0.138	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G3	A. REQ'D BOTTOM OF SLAB ELEVATION	452.84	452.78	452.72	452.66	452.60	452.54	452.48	452.42	452.36	452.30	452.24
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.138	0.253	0.344	0.403	0.424	0.404	0.347	0.256	0.138	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G4	A. REQ'D BOTTOM OF SLAB ELEVATION	452.97	452.91	452.85	452.79	452.73	452.67	452.61	452.55	452.49	452.43	452.37
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.174	0.318	0.433	0.507	0.533	0.509	0.437	0.321	0.174	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G5	A. REQ'D BOTTOM OF SLAB ELEVATION	452.81	452.75	452.69	452.63	452.57	452.51	452.45	452.39	452.33	452.27	452.21
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.138	0.253	0.344	0.403	0.424	0.404	0.347	0.256	0.138	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G6	A. REQ'D BOTTOM OF SLAB ELEVATION	452.65	452.59	452.53	452.47	452.41	452.35	452.29	452.23	452.17	452.11	452.05
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.138	0.253	0.344	0.403	0.424	0.404	0.347	0.256	0.138	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G7	A. REQ'D BOTTOM OF SLAB ELEVATION	452.50	452.44	452.38	452.32	452.26	452.20	452.14	452.08	452.02	451.96	451.90
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.138	0.253	0.344	0.403	0.424	0.404	0.347	0.256	0.138	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G8	A. REQ'D BOTTOM OF SLAB ELEVATION	452.34	452.28	452.22	452.16	452.10	452.04	451.98	451.92	451.86	451.80	451.74
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.129	0.237	0.323	0.378	0.397	0.379	0.325	0.240	0.129	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											

HAUNCH TABLE		CL OF BRGS. BEGIN ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL OF BRGS. END ABUT.
GIRDERS G9	A. REQ'D BOTTOM OF SLAB ELEVATION	452.34	452.28	452.22	452.16	452.10	452.04	451.98	451.92	451.86	451.80	451.74
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.129	0.237	0.323	0.378	0.397	0.379	0.325	0.240	0.129	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G10	A. REQ'D BOTTOM OF SLAB ELEVATION	452.50	452.44	452.38	452.32	452.26	452.20	452.14	452.08	452.02	451.96	451.90
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.138	0.253	0.344	0.403	0.424	0.404	0.347	0.256	0.138	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G11	A. REQ'D BOTTOM OF SLAB ELEVATION	452.66	452.60	452.54	452.48	452.42	452.36	452.30	452.24	452.18	452.12	452.06
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.174	0.318	0.433	0.507	0.533	0.509	0.437	0.321	0.174	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G12	A. REQ'D BOTTOM OF SLAB ELEVATION	452.82	452.76	452.70	452.64	452.58	452.52	452.46	452.40	452.34	452.28	452.22
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.174	0.318	0.433	0.507	0.533	0.509	0.437	0.321	0.174	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G13	A. REQ'D BOTTOM OF SLAB ELEVATION	452.97	452.91	452.85	452.79	452.73	452.67	452.61	452.55	452.49	452.43	452.37
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.138	0.253	0.344	0.403	0.424	0.404	0.347	0.256	0.138	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G14	A. REQ'D BOTTOM OF SLAB ELEVATION	452.85	452.79	452.73	452.67	452.61	452.55	452.49	452.43	452.37	452.31	452.25
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.138	0.253	0.344	0.403	0.424	0.404	0.347	0.256	0.138	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G15	A. REQ'D BOTTOM OF SLAB ELEVATION	452.69	452.63	452.57	452.51	452.45	452.39	452.33	452.27	452.21	452.15	452.09
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.138	0.253	0.344	0.403	0.424	0.404	0.347	0.256	0.138	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											
GIRDERS G16	A. REQ'D BOTTOM OF SLAB ELEVATION	452.54	452.48	452.42	452.36	452.30	452.24	452.18	452.12	452.06	452.00	451.94
	B. TOP OF STEEL EL. (FIELD MEASURE)											
	C. = A - B											
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.163	0.300	0.410	0.479	0.504	0.481	0.413	0.304	0.165	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft.)											

NOTE:
THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE COMPLETED HAUNCH TABLE PRIOR TO SETTING THE BOTTOM FORMWORK OF THE DECK.



GIRDER HAUNCH DETAIL
NOT TO SCALE

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP: 

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.





TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING HAUNCH TABLE	DRAWING NUMBER: ST-43

M.P. 238.22, BIN 5009929

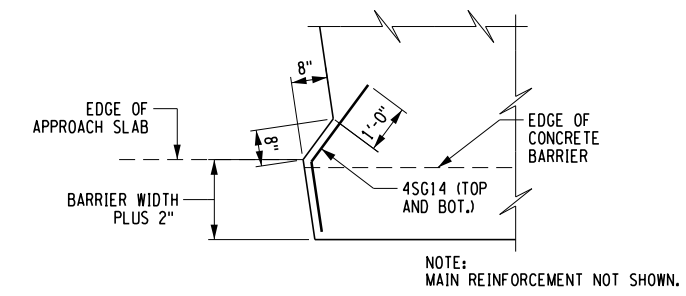
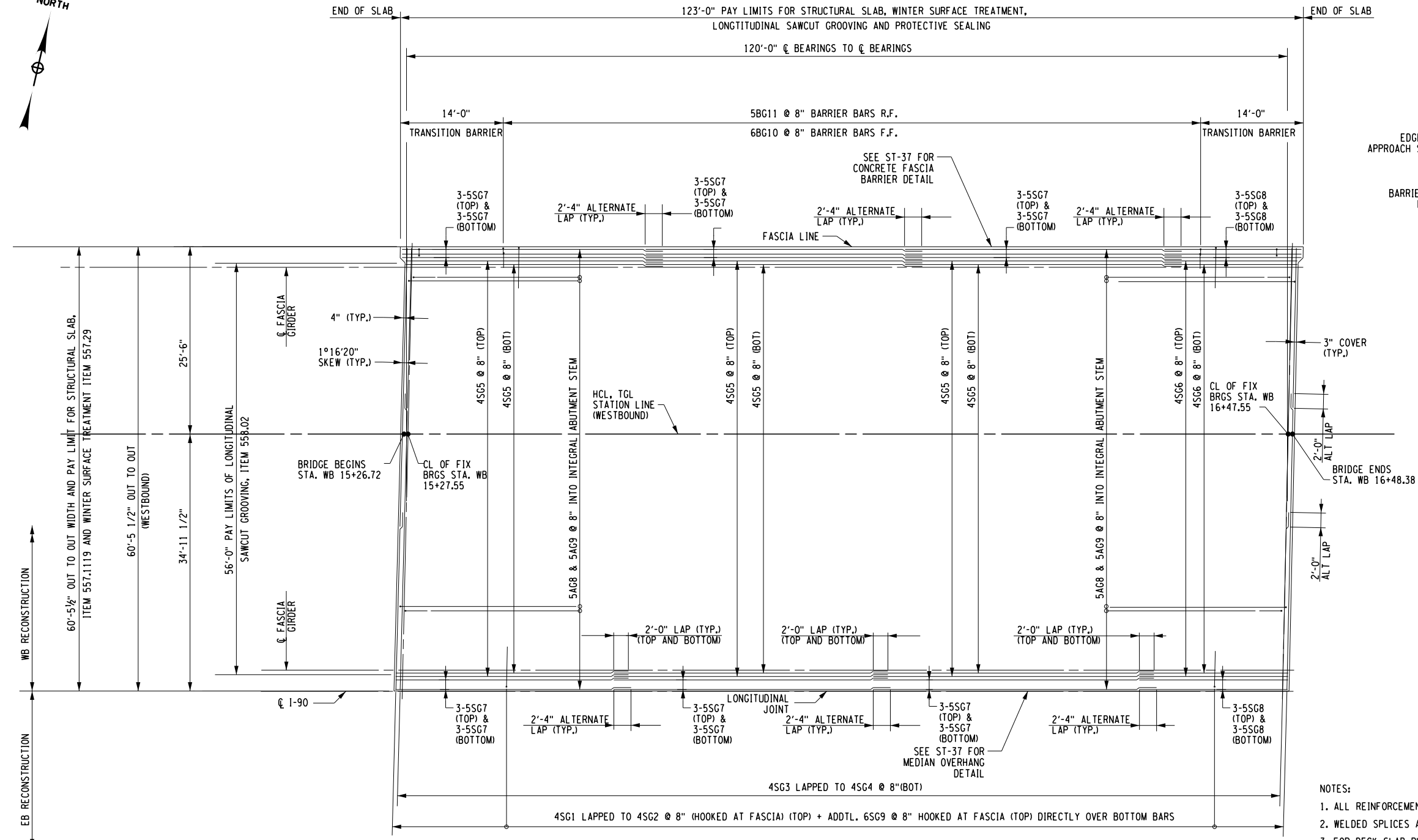
CHECKED BY: D. LEVINE

DRAFTED BY: LITNESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



DETAIL A
CORNER DETAIL JOINTLESS BRIDGE
WITH CONCRETE BARRIER

WESTBOUND SUPERSTRUCTURE SLAB REINFORCEMENT PLAN

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

- NOTES:
1. ALL REINFORCEMENT IS GRADE 60, GALVANIZED.
 2. WELDED SPLICES ARE NOT PERMITTED.
 3. FOR DECK SLAB PLACEMENT NOTES, SEE ST-46.
 4. COVER FOR STEEL REINFORCEMENT SHALL BE 3" TOP, 1 1/2" BOTTOM, AND 2" ON ALL SIDES.
 5. LAPS IN TRANSVERSE AND LONGITUDINAL REINFORCEMENT SHALL BE STAGGERED.

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

WESTBOUND SUPERSTRUCTURE SLAB TABLE			
SUPERSTRUCTURE SLAB (SY) ITEM 557.1119	LONGITUDINAL SAWCUT GROOVING (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW DECKS (SF) ITEM 559.01	WINTER SURFACE TREATMENT ITEM 557.29 (SY)
818	758	22,600	818

•• FOR TRANSVERSE LIMITS OF PROTECTIVE SEALING ITEMS, REFER TO THE TRANSVERSE SECTION DRAWING. M.P. 238.22, BIN 5009929

 	TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
	LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING WESTBOUND SUPERSTRUCTURE SLAB REINFORCEMENT PLAN		DRAWING NUMBER: ST-44

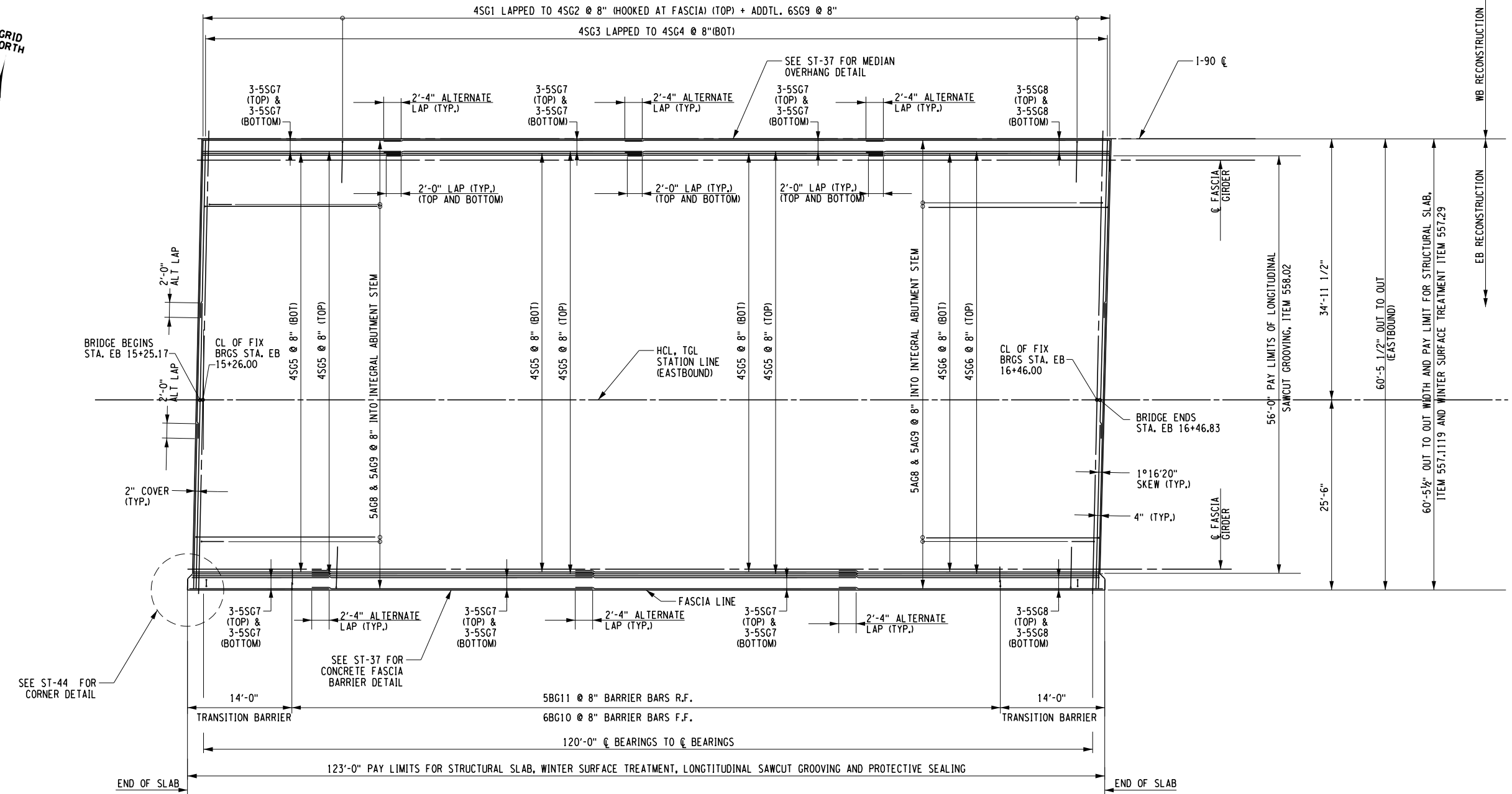
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DRAFTED BY: L. TESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



NOTES:
1. SEE DWG. NO. ST-44 FOR ADDITIONAL NOTES.

EASTBOUND SUPERSTRUCTURE SLAB REINFORCEMENT PLAN

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

EASTBOUND SUPERSTRUCTURE SLAB TABLE			
SUPERSTRUCTURE SLAB (SY) ITEM 557.1119	LONGITUDINAL SAWCUT GROOVING (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW DECKS (SF) ITEM 559.01	WINTER SURFACE TREATMENT ITEM 557.29 (SY)
818	758	22,600	818

** FOR TRANSVERSE LIMITS OF PROTECTIVE SEALING ITEMS, REFER TO THE TRANSVERSE SECTION DRAWING.

M.P. 238.22, BIN 5009929

ALTERED ON: _____ AFFIXED ON: 04/18/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE
STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYL.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EASTBOUND SUPERSTRUCTURE SLAB REINFORCEMENT PLAN	DRAWING NUMBER: ST-45

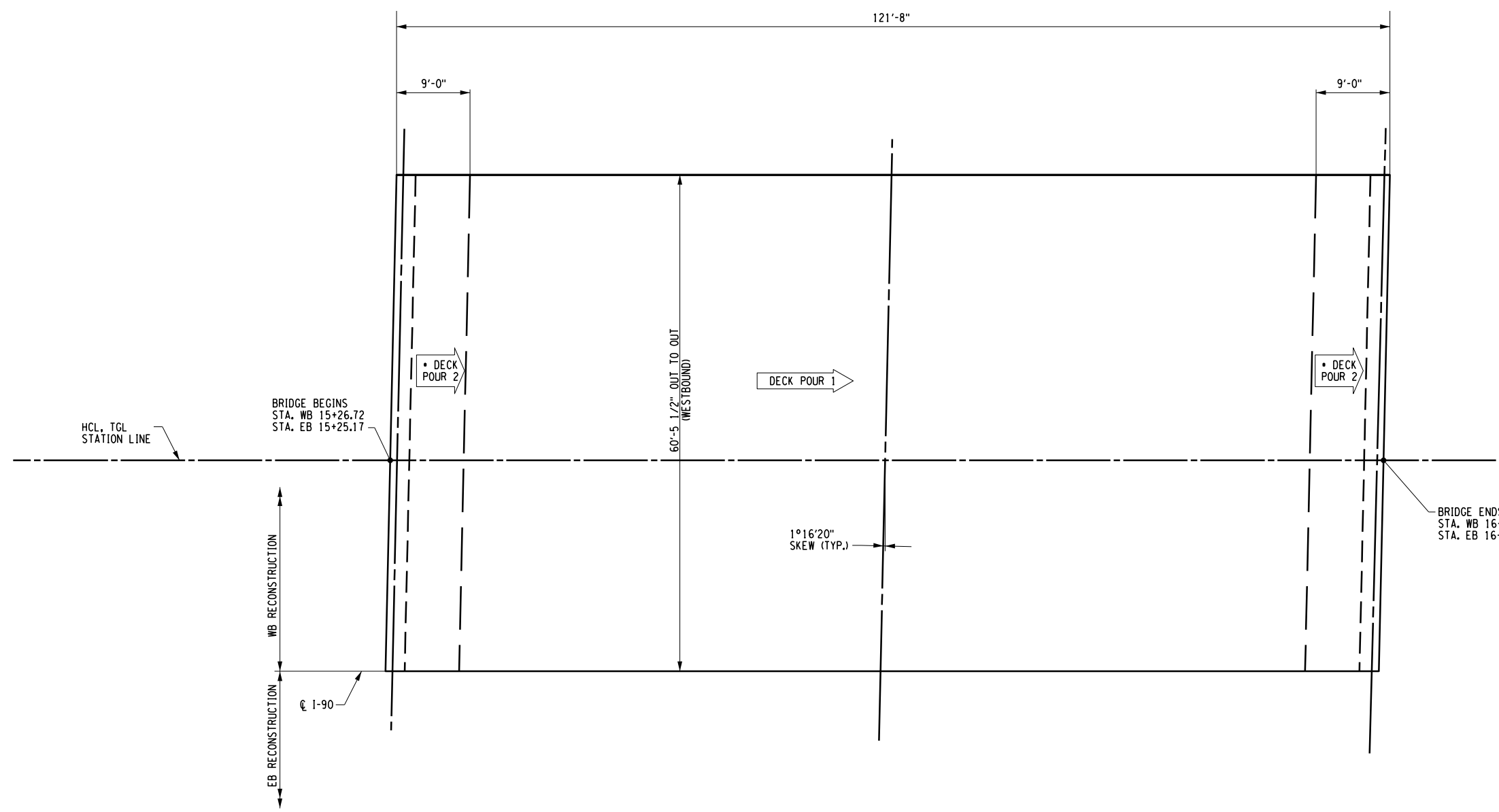
CHECKED BY: D. LEVINE

DRAFTED BY: L. TESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



DECK POUR SEQUENCE
SCALE: 1/16" = 1'-0"

NOTES:

1. THE CONCRETE DECK SLAB FOR THIS STRUCTURE SHALL BE PLACED ACCORDING TO THE PLACEMENT PLAN SHOWN. THE CONTRACTOR MAY ELECT TO OMIT THE CONSTRUCTION JOINT AND COMBINE POURS 1 AND 2 AT THE END ABUTMENT ONLY.
2. CONCRETE PLACEMENT AND FINISHING OPERATIONS SHALL BE PERFORMED AS RAPIDLY AS POSSIBLE. THE ENGINEER MAY ORDER THE CONTRACTOR TO STOP PLACEMENT OPERATIONS AT ANY TIME IF, IN ENGINEER'S OPINION, CONCRETE PLACED DURING THE PLACEMENT HAS STARTED TO SET, AND FURTHER PLACEMENT OF CONCRETE WILL CAUSE DEFLECTION CRACKING.
3. LONGITUDINAL CONSTRUCTION JOINTS WILL NOT BE PERMITTED.
4. FINISHING MACHINE(S) SHALL BE OPERATED AS CLOSE TO THE SKEW ANGLE AS PRACTICABLE.
5. WET BURLAP CURING BLANKETS ARE REQUIRED TO BE PLACED ON THE CONCRETE DECK WITHIN 30 MINUTES OF THE CONCRETE BEING DEPOSITED INTO THE FORMS OR 5 MINUTES AFTER FINISHING, WHICHEVER COMES FIRST, THE PLACEMENT OF THE TURF DRAG TEXTURE SHALL NOT INTERFERE WITH THESE REQUIREMENTS.
6. IN THE EVENT THE CONTRACTOR'S DECK PLACEMENT OPERATION IS STOPPED PRIOR TO COMPLETION, WHETHER BY THE CONTRACTOR'S OWN DECISION OR BY ORDER OF THE ENGINEER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FINISHED DECK GRADE WHICH MATCHES THE PLANNED PROFILE. ANY SUBSEQUENT REVISIONS TO DECK FORMS MADE NECESSARY BY SUCH ACTION SHALL BE AT THE CONTRACTOR'S EXPENSE.
7. CONSTRUCTION JOINTS SHALL BE PLACED PARALLEL TO THE SKEW ANGLE. DECK CONCRETE SHALL BE PLACED SO THAT THE LEADING EDGE PARALLEL THE SKEW. TEXTURING MAY BE DONE LONGITUDINAL, TRANSVERSE OR PARALLEL TO THE ALIGNMENT OF THE FINISHING MACHINE.
8. ALL AREAS SHOWN ON THE PLANS AS "POUR 1" SHALL BE PLACED DURING THE INITIAL CONTINUOUS WORK PERIOD, SUBSEQUENT PLACEMENTS WILL NOT BE PERMITTED UNTIL 72 HOURS AFTER THE START OF THE PREVIOUS PLACEMENT

• - INCLUDES ABUTMENT POUR

DECK POUR X - INDICATES CONCRETE PLACEMENT NUMBER

M.P. 238.22, BIN 5009929

CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	184 CY	557.1119
2	32 CY	557.1119

ALTERED ON: _____ AFFIXED ON: 04/18/2024

SIGNATURE: _____
STAMP: _____

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STAMP: _____



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT: REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD
LOCATION OF PROJECT: SYRACUSE DIVISION MP 238.22
TITLE OF DRAWING: SUPERSTRUCTURE SLAB PLACEMENT PLAN

CONTRACT NUMBER: TAS 24-20B
DATE: 04/03/2024
DRAWING NUMBER: ST-46

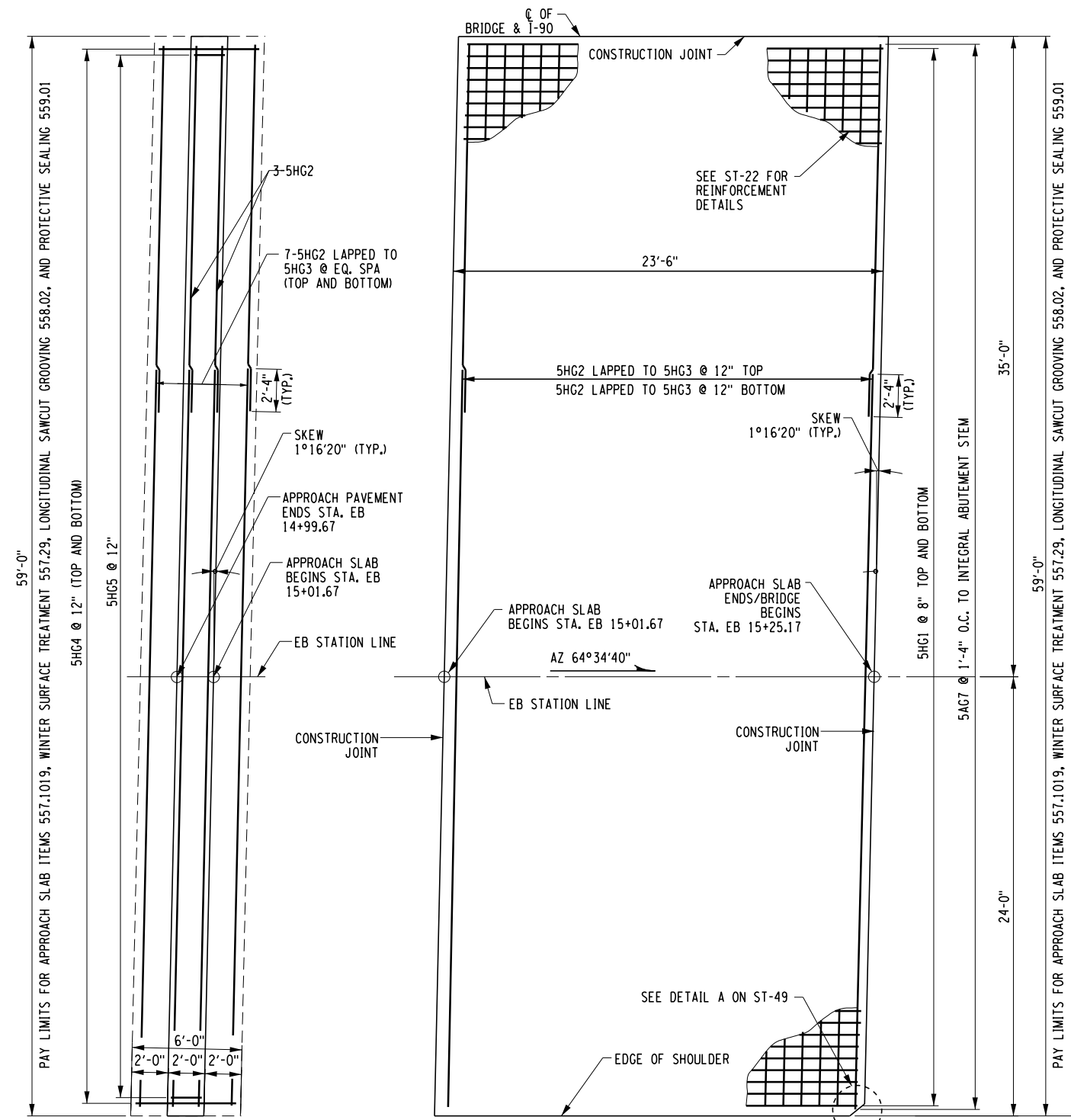
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DRAFTED BY: LITNESNER

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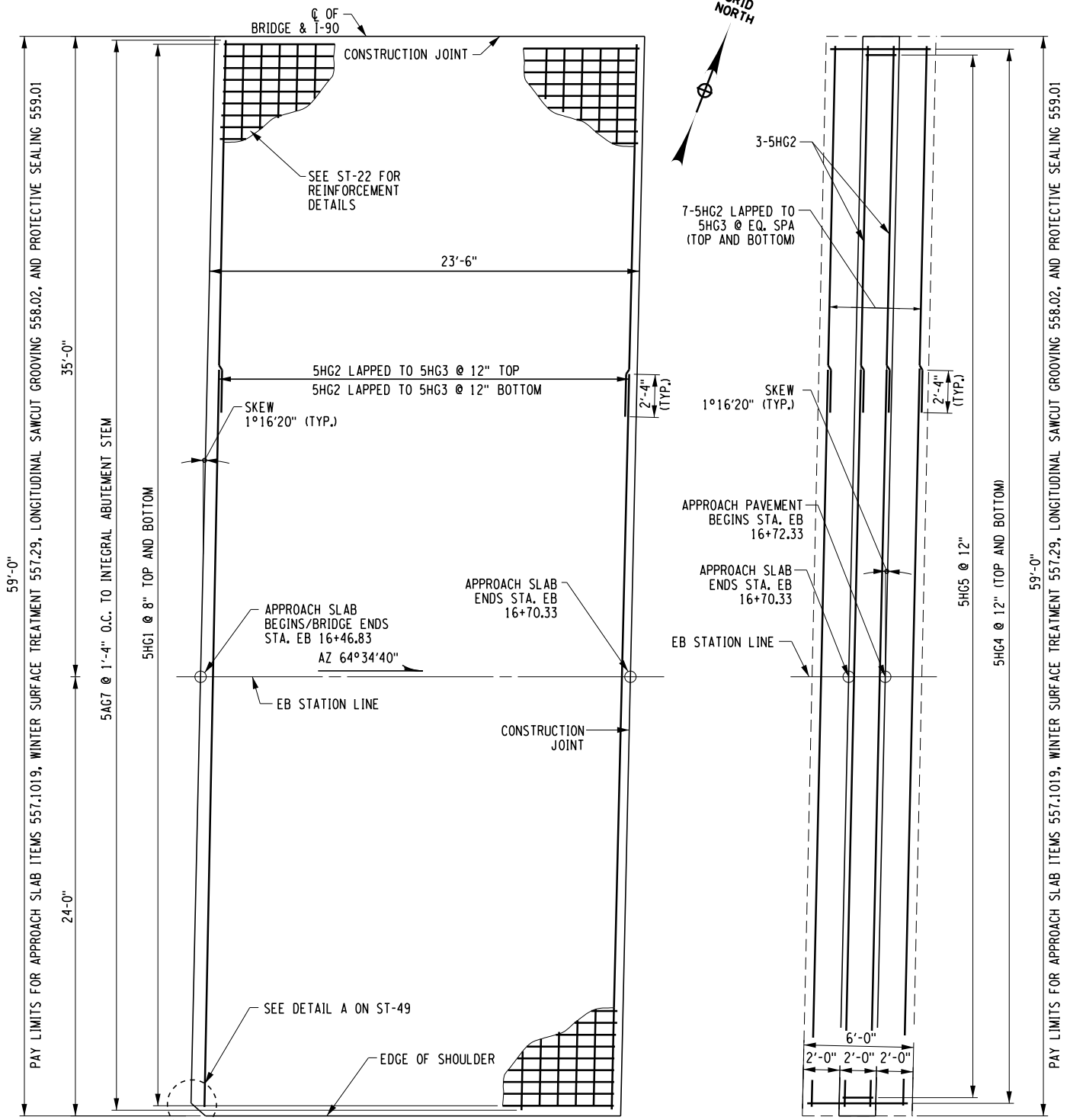
DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



EASTBOUND BEGIN SLEEPER SLAB PLAN

EASTBOUND BEGIN APPROACH SLAB PLAN



EASTBOUND END APPROACH SLAB PLAN

EASTBOUND END SLEEPER SLAB PLAN

ALTERED ON: _____ AFFIXED ON: 04/03/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE STAMP: _____

EASTBOUND APPROACH SLAB TABLE			
LOCATION	APPROACH SLAB (SY) ITEM 557.1019 AND WINTER SURFACE TREATMENT (SY) ITEM 557.29	LONGITUDINAL SAWCUT GROOVING (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW DECKS (SF) 559.01
EB BEGIN APPROACH SLAB	155	155	1387
EB END APPROACH SLAB	155	155	1387

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



- NOTES:
- FOR TYPICAL APPROACH SLAB ROADWAY SECTION, SEE DWG. TYP-03.
 - FOR INTEGRAL ABUTMENT STEM REINFORCEMENT, SEE DWG. ST-22.
 - FOR WEST AND EAST APPROACH SLEEPER SLAB DETAILS, SEE DWG. ST-49.

M.P. 238.22, BIN 5009929

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING APPROACH SLAB PLAN AND DETAILS (SHEET 1 OF 3)	DRAWING NUMBER: ST-47

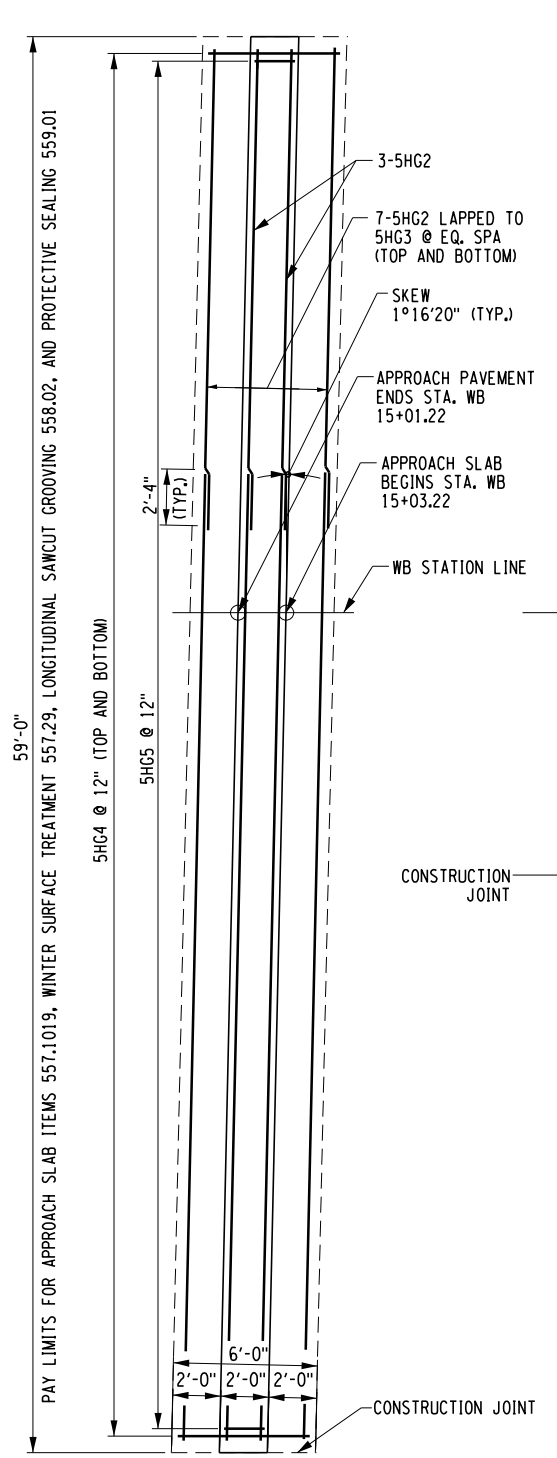
CHECKED BY: D. LEVINE

DRAFTED BY: LITNESNER

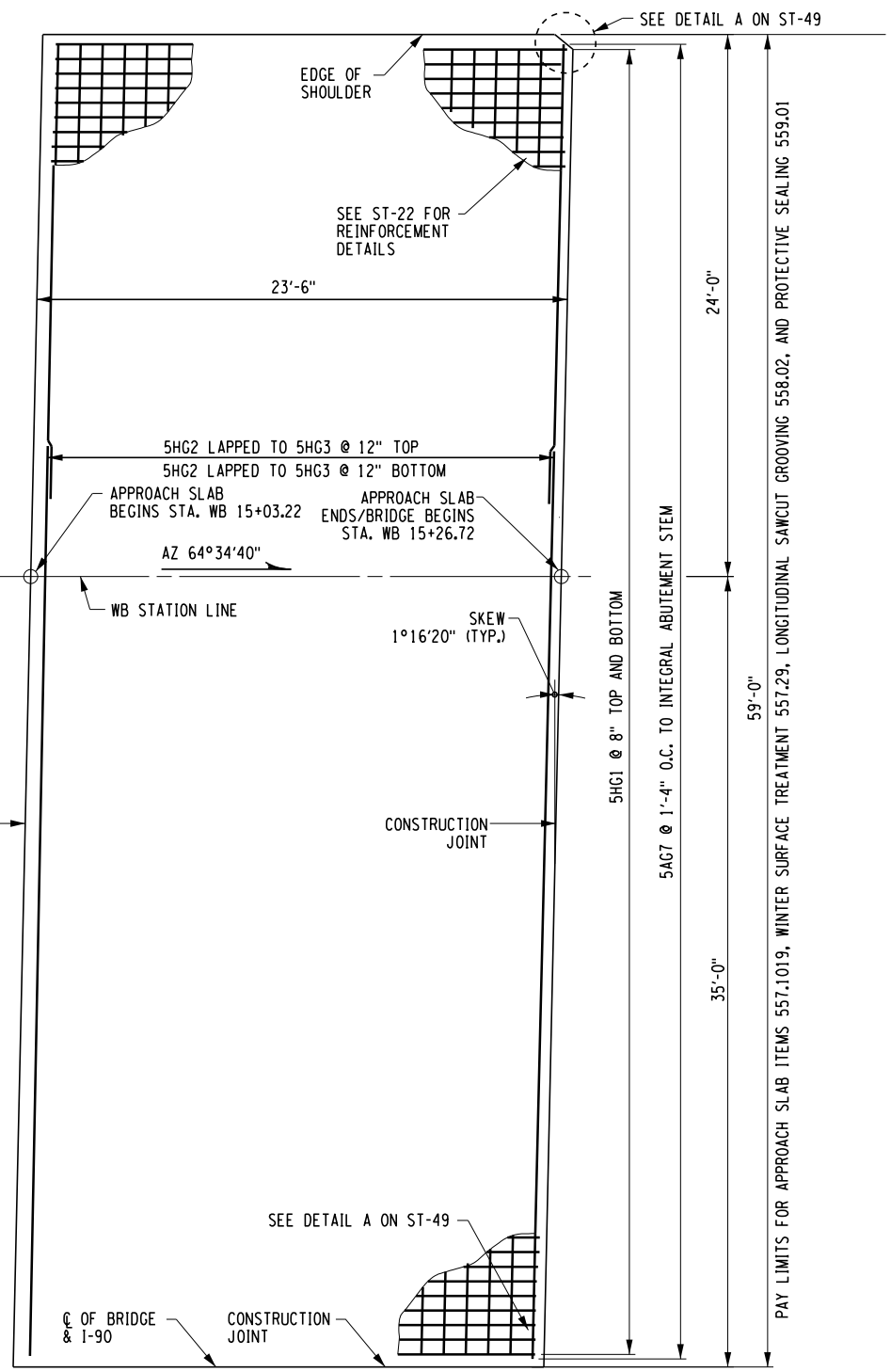
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

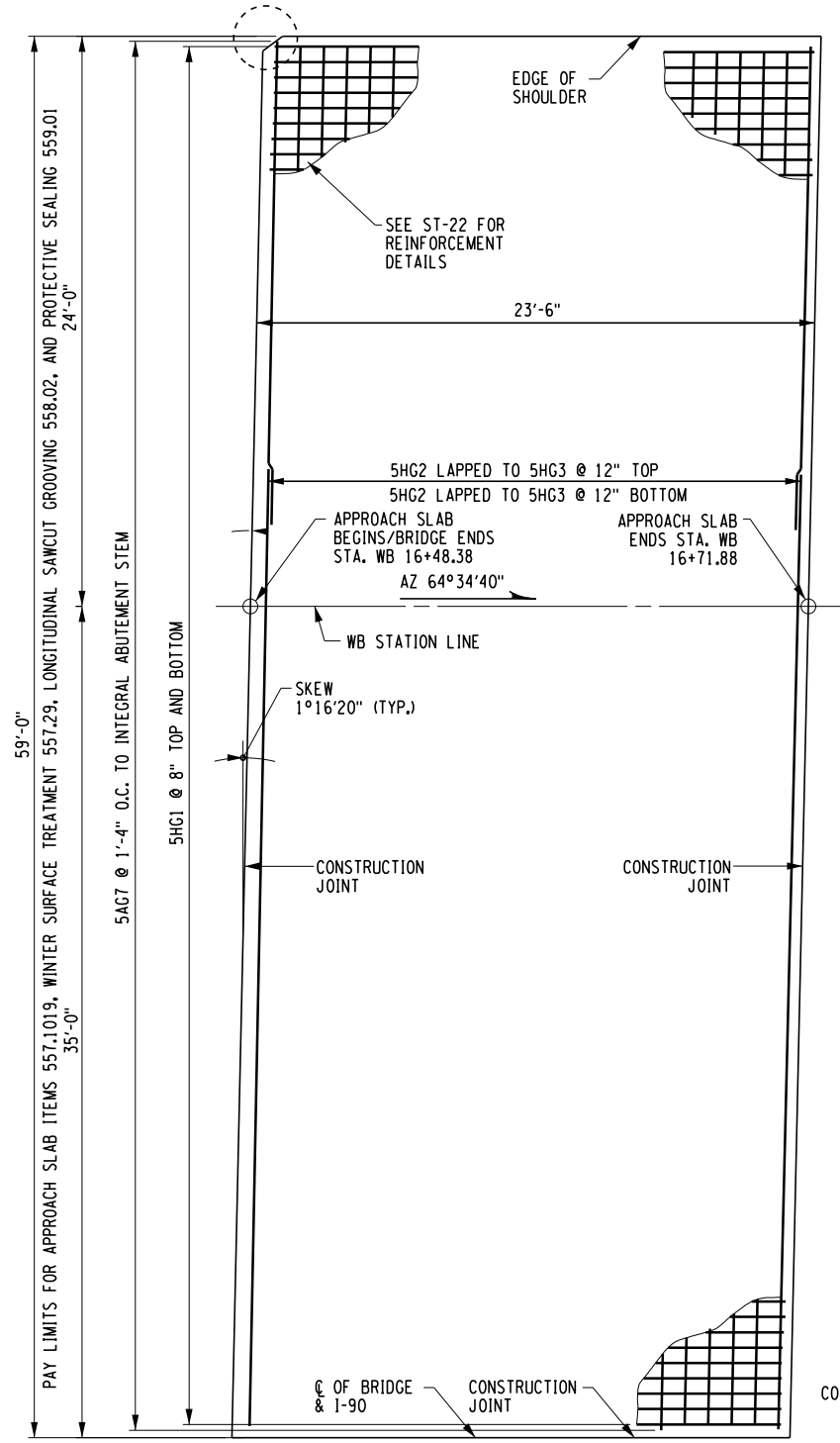
DESIGN SUPERVISOR: D. LEVINE



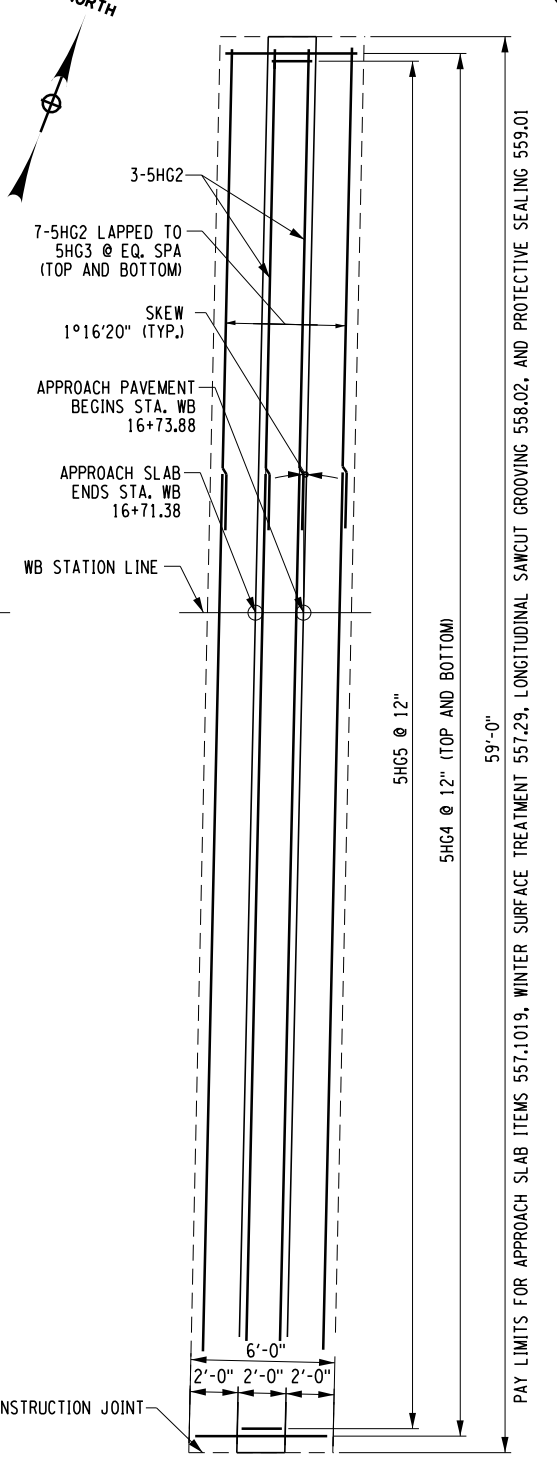
WESTBOUND BEGIN SLEEPER SLAB PLAN



WESTBOUND BEGIN APPROACH SLAB PLAN



WESTBOUND END APPROACH SLAB PLAN



WESTBOUND END SLEEPER SLAB PLAN

ALTERED ON: _____ AFFIXED ON: 04/03/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE STAMP: _____

WESTBOUND APPROACH SLAB TABLE			
LOCATION	APPROACH SLAB (SY) ITEM 557.1019 AND WINTER SURFACE TREATMENT (SY) ITEM 557.29	LONGITUDINAL SAWCUT GROOVING (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW DECKS (SF) 559.01
WB BEGIN APPROACH SLAB	155	155	1387
WB END APPROACH SLAB	155	155	1387

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

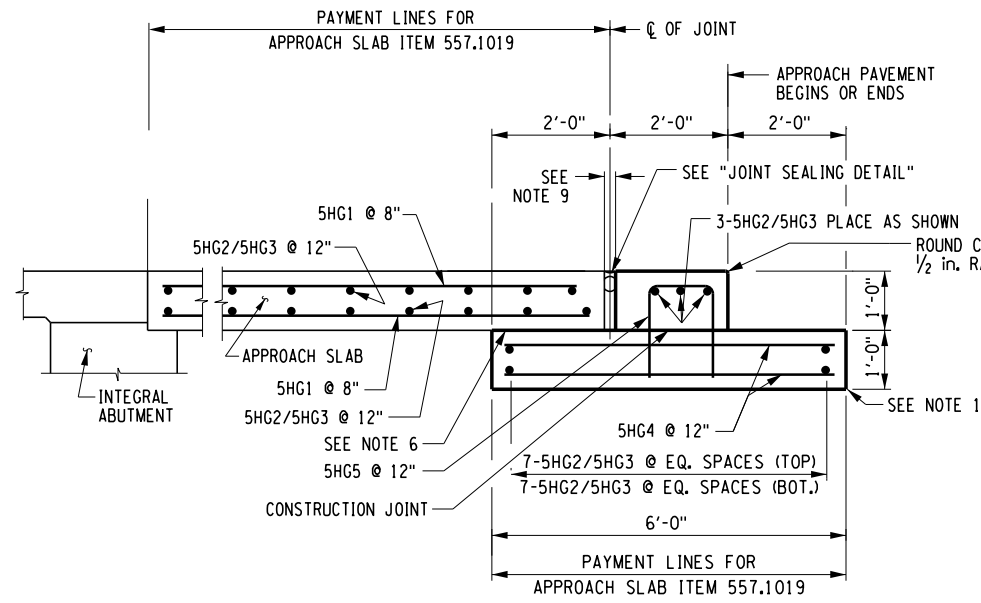
PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING APPROACH SLAB PLAN AND DETAILS (SHEET 2 OF 3)	DRAWING NUMBER: ST-48

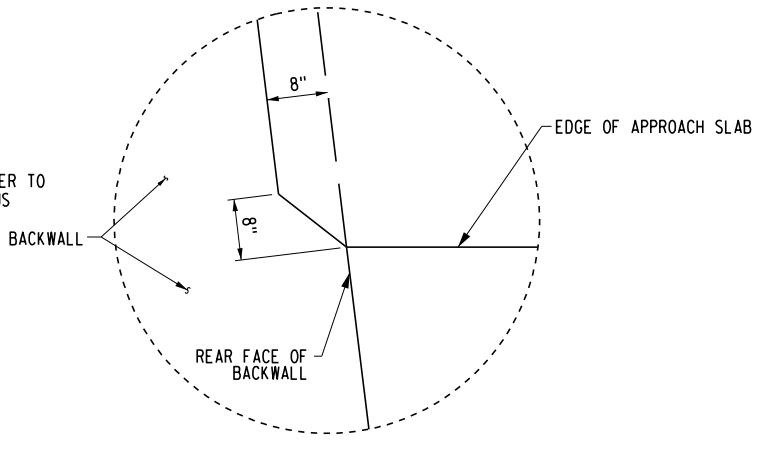
- NOTES:
- FOR TYPICAL APPROACH SLAB ROADWAY SECTION, SEE DWG. TYP-03.
 - FOR INTEGRAL ABUTMENT STEM REINFORCEMENT, SEE DWG. ST-22.
 - FOR WEST AND EAST APPROACH SLEEPER SLAB DETAILS, SEE DWG. ST-49.

M.P. 238.22, BIN 5009929

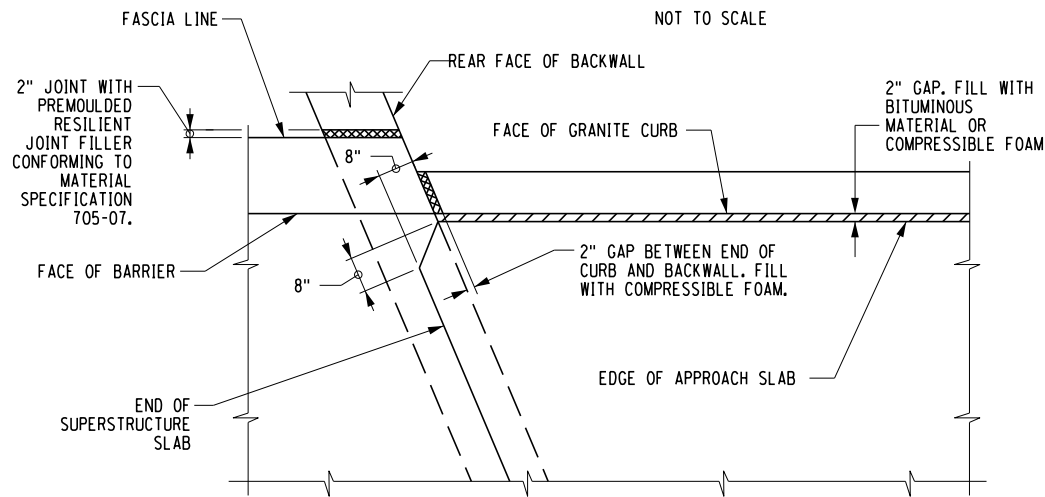
CHECKED BY: D. LEVINE
 DRAFTED BY: LITNESNER
 CHECKED BY: D. LEVINE
 DESIGNED BY: J.P. O'LOUGHLIN
 DESIGN SUPERVISOR: D. LEVINE



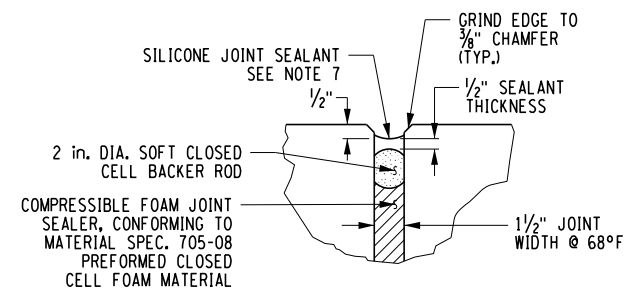
SLEEPER SLAB DETAIL



DETAIL "A"
NOT TO SCALE



APPROACH SLAB CORNER DETAIL
JOINTLESS / INTEGRAL BRIDGE WITH CONCRETE BARRIER



JOINT SEALING DETAIL
NOT TO SCALE

NOTES:

- EXCAVATION FOR SLEEPER SLABS SHALL BE CAREFULLY MADE AFTER COMPACTED ABUTMENT EMBANKMENT IS IN PLACE. THE SLEEPER SLABS SHALL BE FOUNDED ON UNDISTURBED COMPACT MATERIAL OR RE-COMPACTED MATERIAL. NO LOOSE BACKFILL SHALL BE ALLOWED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE SLEEPER SLAB FROM TEMPORARY LOADINGS OR ANY CONDITION WHICH COULD CAUSE MOVEMENTS OR UNEVEN SETTLEMENT OF THE SLEEPER SLAB.
- TO PERMIT UNHINDERED LONGITUDINAL MOVEMENT OF THE APPROACH SLABS, THE SURFACE OF THE SUBBASE COURSE MUST BE ACCURATELY CONTROLLED TO FOLLOW AND BE PARALLEL TO THE ROADWAY GRADE AND CROSS SLOPE. TWO LAYERS OF POLYETHYLENE CURING COVERS (WHITE OPAQUE) IN ACCORDANCE WITH MATERIAL SUBSECTION 711-04 SHALL BE PLACED ON THE FINISHED SUBBASE COURSE FOR THE FULL WIDTH OF THE ROADWAY PRIOR TO PLACEMENT OF APPROACH SLAB REINFORCEMENT. THE CURING COVERS SHALL BE 4 MILS THICK, AND LAPS (PLACED PARALLEL TO THE LONGITUDINAL AXIS OF THE BRIDGE) SHALL BE 2 FT. MIN. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR APPROACH SLABS, ITEM 557.1019.
- TOP OF SLEEPER SLABS SHALL BE STEEL TROWEL FINISHED AND COATED WITH A 0.04 in. NOMINAL THICKNESS OF PERFORMANCE GRADE ASPHALT AS INDICATED IN THE PROPOSAL, OR MATERIAL SPECIFICATION 702-3101. THE TOP OF SLEEPER SLABS SHALL FOLLOW THE CROSS SLOPE AND GRADE OF ROADWAY. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB ITEM.
- THE TOP SURFACES OF THE STRUCTURAL SLABS, APPROACH SLABS, AND SLEEPER SLABS SHALL BE GROOVED PER ITEM 558.02, LONGITUDINAL SAW CUT GROOVING OF STRUCTURAL SLAB SURFACE. GROOVES SHALL BE CUT LONGITUDINALLY TO THE ROADWAY CENTERLINE. GROOVES SHALL EXTEND TO WITHIN NO CLOSER THAN 4" FROM FACE OF CURB OR 4" TO THE EDGE OF A SLAB, AND NO FURTHER THAN 15" FROM THE EDGE OF ANY SLAB.
- APPLY PROTECTIVE SEALER ITEM 559.01 TO ALL EXPOSED CONCRETE SURFACES, SEALER SHALL BE PENETRATING TYPE.
- ALL REINFORCEMENT SHALL HAVE 3 IN. COVER UNLESS OTHERWISE NOTED.
- FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL SEALANT, FROM THE DEPARTMENT'S APPROVED LIST. THE MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED FOR THE SEALANTS THAT REQUIRED A PRIMER. THE CONCRETE SHALL CURE FOR MINIMUM OF 7 DAYS BEFORE JOINT IS SEALED. SEALING SHALL BE PERFORMED WHEN THE CONCRETE TEMPERATURE IS 40°F OR ABOVE, BOTH JOINT FACES SHALL BE SAND BLASTED TO ROUGHEN THE SURFACE AND TO REMOVE ALL SURFACE MOISTURE AND ANY OTHER MATERIAL THAT MAY INTERFERE WITH BOND.

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING APPROACH SLAB SECTIONS AND DETAILS (SHEET 3 OF 3)	DRAWING NUMBER: ST-49

M.P. 238.22, BIN 5009929

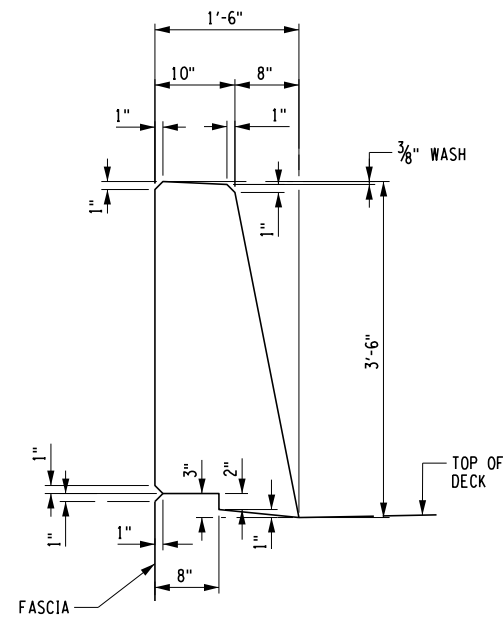
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DRAFTED BY: LITNESNER

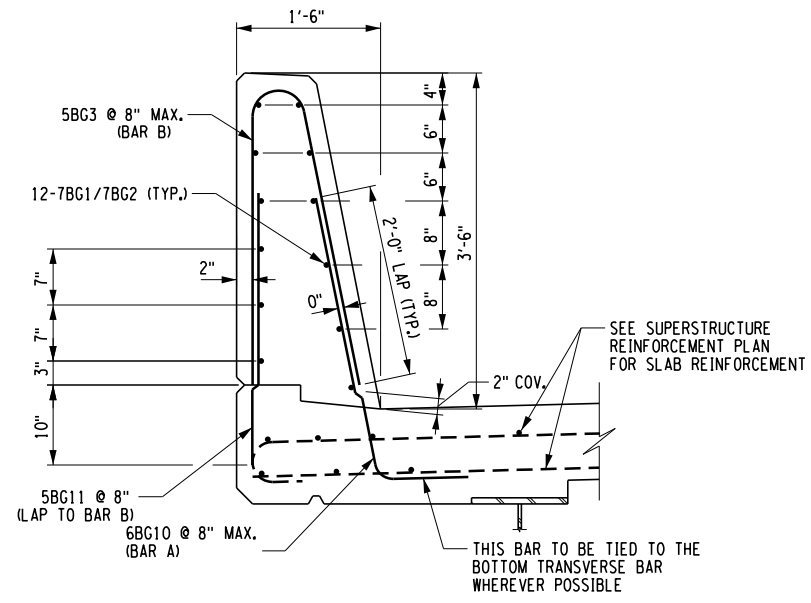
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

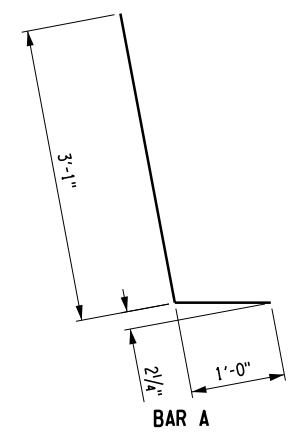
DESIGN SUPERVISOR: D. LEVINE



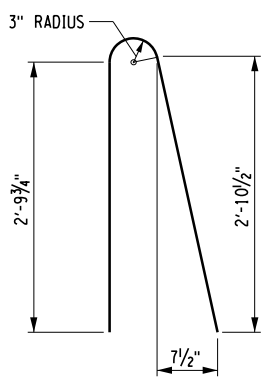
TYPICAL (HALF SECTION)
CONCRETE BARRIER SECTION



TYPICAL BARRIER REINFORCEMENT



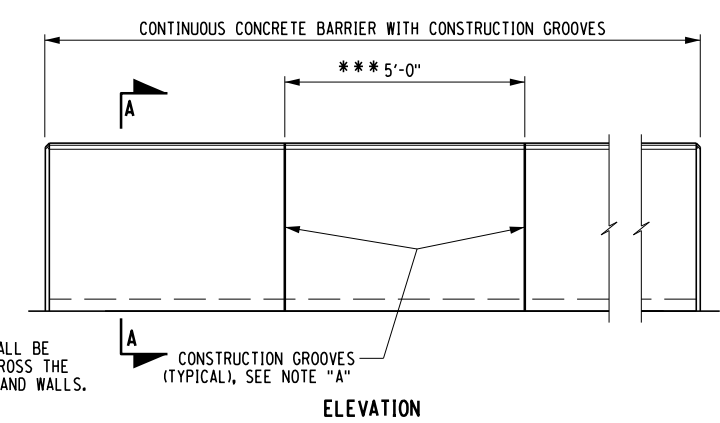
BAR A



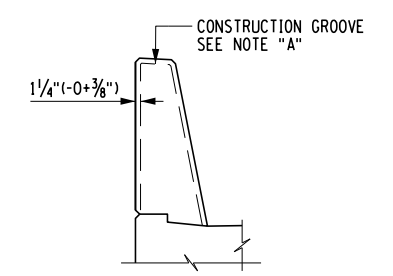
BAR B

BAR TYPES

NOTE:
ALL BAR DIMENSIONS ARE OUT TO OUT.
ALL RADII ARE TO OUTSIDE OF BAR.



ELEVATION
CONCRETE BARRIER GROOVE SPACING



SECTION A-A

NOTE "A":
CONSTRUCTION GROOVES SHALL BE MADE BY:
1. FORMING FOR CAST-IN-PLACE CONSTRUCTED FORMS.
2. SAWING THE SET CONCRETE WITHIN 8 HOURS OF PLACEMENT FOR CAST-IN-PLACE SLIP FORMED.
3. CUTTING THE PLASTIC CONCRETE.
COMBINATION OF THESE METHODS MAY BE EMPLOYED.
THE DEPTH OF THE GROOVES SHALL BE 1 1/4" (-0+3/8").
FORMED GROOVES SHALL MAKE A 60° ANGLE WITH THE SURFACE.
CUT GROOVES SHALL BE FINISHED WITH SHALLOW (3/4" ± 1/4") CONSTANT DEPTH 45° CHAMFERS AT THE SURFACE.
THE LONGITUDINAL REINFORCING BARS FOR THE CONCRETE BARRIERS SHALL BE CONTINUOUS BETWEEN BRIDGE EXPANSION JOINTS, WHERE SPLICES ARE REQUIRED, THE LENGTH OF THE LAP SHALL BE SUFFICIENT TO DEVELOP EACH BAR.

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING CONCRETE BARRIER PLAN AND DETAILS (SHEET 1 OF 2)	DRAWING NUMBER: ST-50

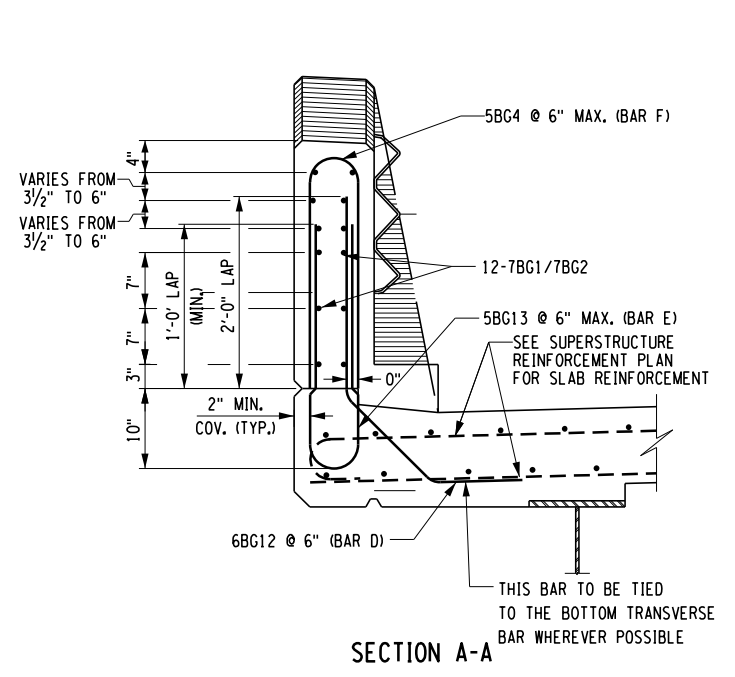
M.P. 238.22, BIN 5009929

CHECKED BY: D. LEVINE

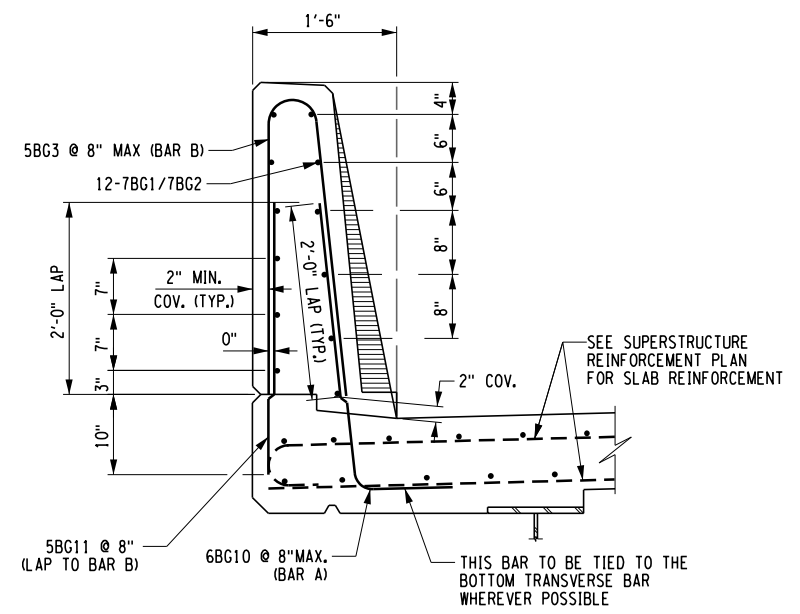
DRAFTED BY: LITENIER

CHECKED BY: J.P. O'LOUGHLIN

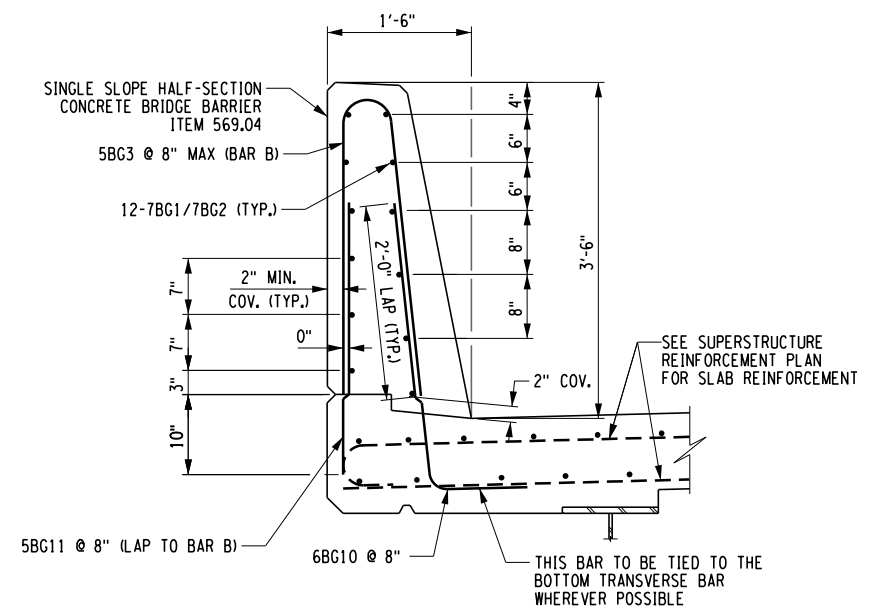
DESIGNED BY: D. LEVINE



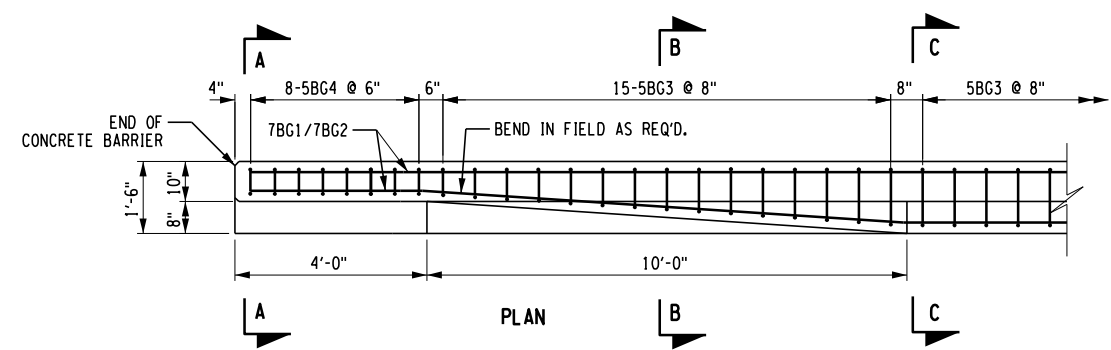
SECTION A-A



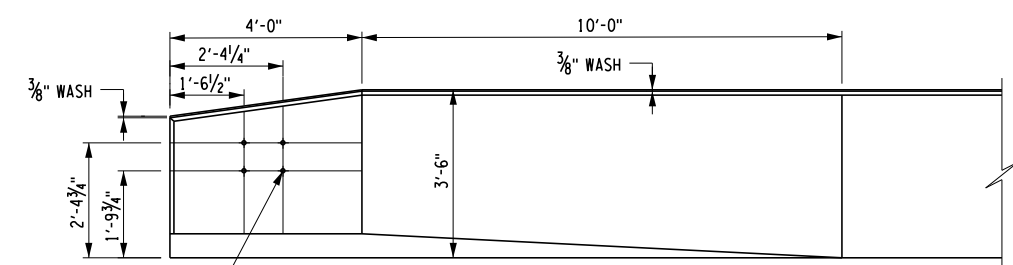
SECTION B-B



SECTION C-C



PLAN

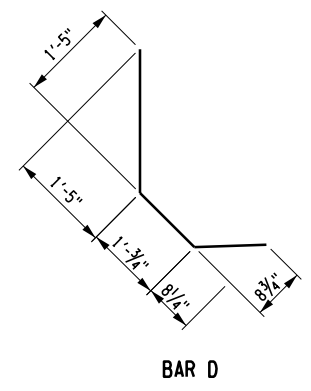


ELEVATION

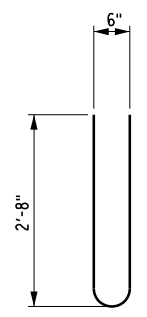
CONCRETE BARRIER TRANSITION

NOTES:

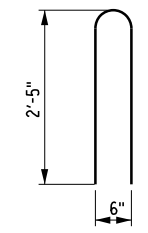
- FOR DECK REINFORCEMENT AND ADDITIONAL OVERHANG REINFORCEMENT DETAILS. SEE DWGS. ST-44, ST-45, & ST-50.
- FOR ADDITIONAL INFORMATION REGARDING THE DOWELS EXTENDING INTO THE CONCRETE BRIDGE BARRIER FROM THE SUPERSTRUCTURE SLAB, SEE BARRIER DETAIL ON DWG. ST-50.
- FOR SINGLE SLOPE (HALF-SECTION) CONCRETE BRIDGE BARRIER REINFORCEMENT BAR LIST, SEE DWG. ST-60.
- FOR DETAILS OF THE PROTECTIVE SCREEN SNOW FENCE TO BE MOUNTED TO THE OUTSIDE FENCE OF THE CONCRETE BRIDGE BARRIER, SEE DWG. ST-52.
- BAR REINFORCEMENT SHALL MEET THE REQUIREMENTS OF ITEM 556.0203. COST OF BARRIER REINFORCEMENT, INCLUDING DOWELS THAT ARE PLACED IN THE SUPERSTRUCTURE SLAB, IS INCLUDED IN THE COST OF ITEM 569.04.



BAR D



BAR E



BAR F

ITEM 569.04 SINGLE SLOPE (HALF-SECTION) CONCRETE BRIDGE BARRIER			
LOCATION	BEGIN STA.	END STA.	QUANTITY (LF)
WEST FASCIA	WB STA 15+24.50	WB STA 16+47.50	123
EAST FASCIA	EB STA 15+24.50	EB STA 16+47.50	123

NOTE:

STATIONS PROVIDED AT EXTERIOR FACE OF BARRIER

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING CONCRETE BARRIER PLAN AND DETAILS (SHEET 2 OF 2)	DRAWING NUMBER: ST-51

M.P. 238.22, BIN 5009929

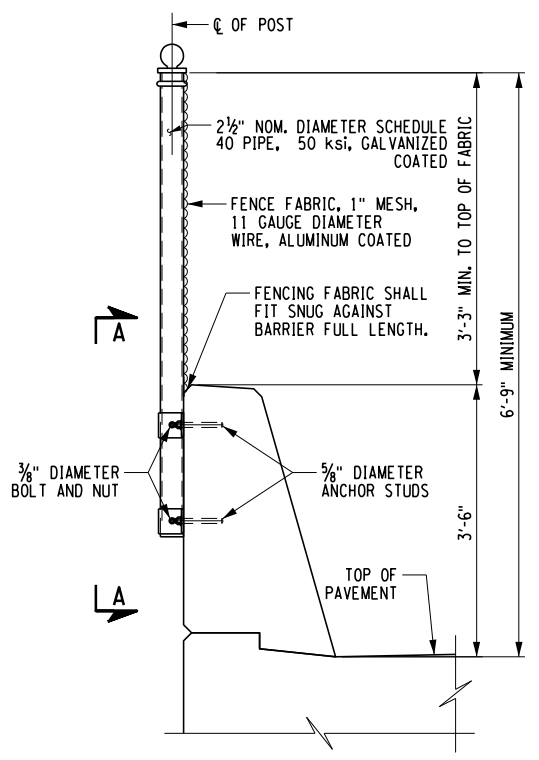
CHECKED BY: D. LEVINE

DRAFTED BY: L. TESNER

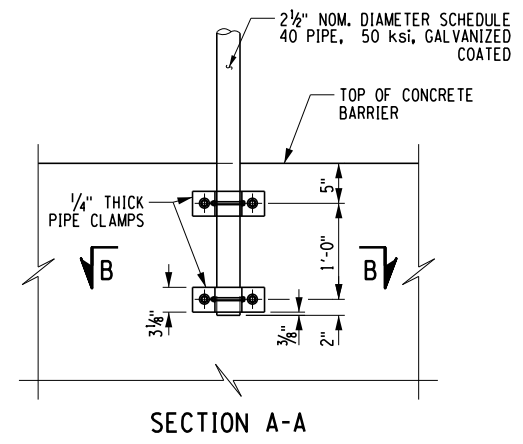
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

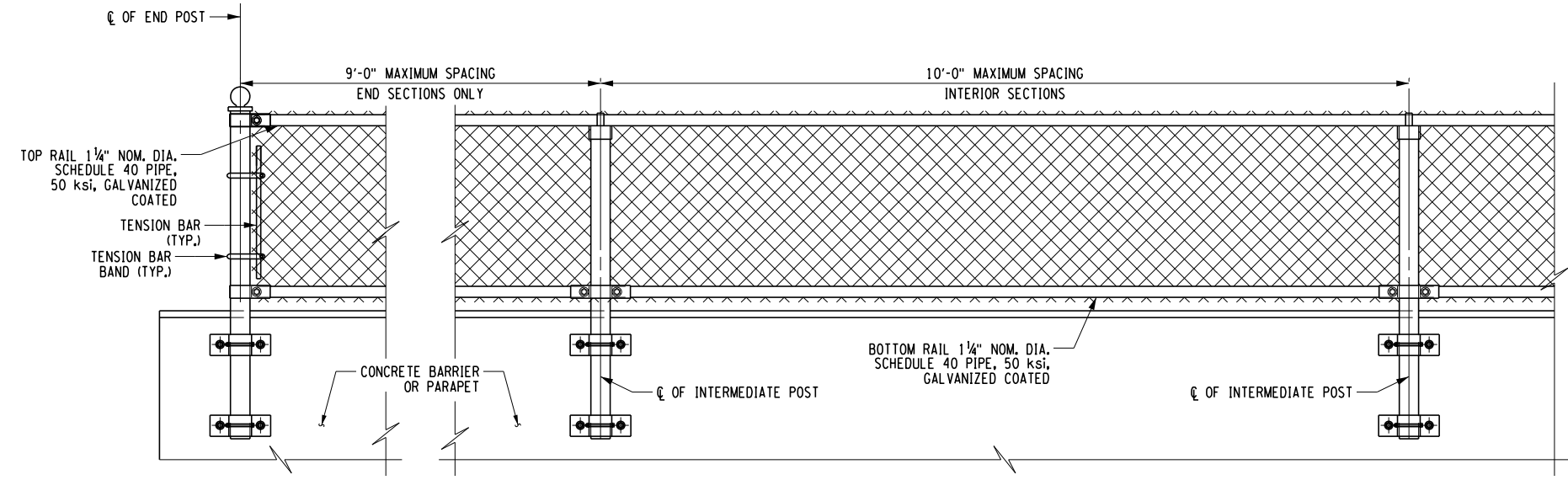
DESIGN SUPERVISOR: D. LEVINE



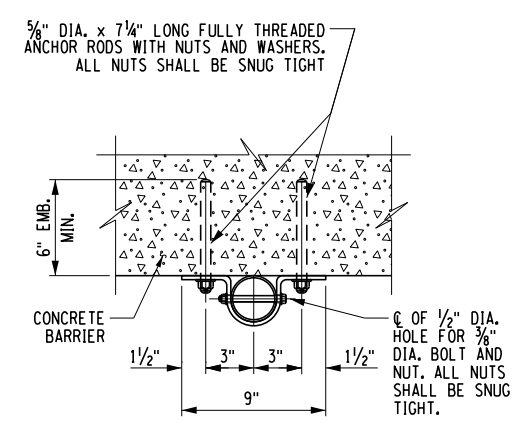
FENCING ON SAFETY SHAPE BARRIER



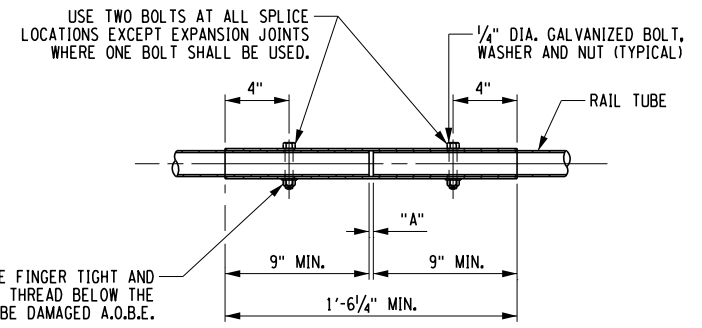
SECTION A-A



TYPICAL ELEVATION OF FENCING ON CONCRETE BARRIERS/PARAPETS



SECTION B-B



TYPICAL RAIL SPLICE DETAIL

NOTES:

1. THE INTERIOR SECTIONS OF SNOW FENCE POSTS SHALL BE PLACED SO THAT THE SPACING OF THE POSTS IS UNIFORM AND DOES NOT EXCEED 10'-0".
2. THE FULLY THREADED ANCHOR RODS FOR THE SNOW FENCE MAY BE DRILLED AND GROUTED INTO THE BARRIER AS SHOWN.
3. DRILLING AND GROUTING OF FULLY THREADED ANCHOR RODS SHALL BE DONE AND PAID FOR IN ACCORDANCE WITH SPECIFICATION 586.0310025 - DRILLING AND GROUTING OF BOLTS OR REINFORCING BARS - CHEMICALLY CURING - WITH PULLOUT TESTS. TEST LOAD = 6.0 KIPS.
4. IT IS PERMISSIBLE TO INSTALL SHIM PLATES BEHIND THE VERTICAL FENCE POSTS TO ACHIEVE PLUMB, SHIMS MUST HAVE 1/16" DIA. HOLES MATCHING THE PIPE CLAMP FOR THE 5/8" DIA. ANCHOR BOLTS. SHIMS SHALL BE OF STAINLESS STEEL (ASTM A666-03). THE REQUIRED QUANTITY AND THICKNESS OF SHIMS WILL BE DETERMINED IN THE FIELD.
5. ALL FENCE POSTS SHALL BE VERTICAL.
6. THE SNOW FENCING SHALL BE PAID FOR UNDER 607.06120025 - PROTECTIVE SCREENING (SNOW FENCE).
7. 5/8" DIA. ANCHOR BOLTS FOR FENCING SHALL BE F1554 GR105. BOLTS SHALL HAVE A MECHANICALLY DEPOSITED ZINC COATING IN ACCORDANCE WITH CLASS 50 OF ASTM B695.
8. 3/8" DIA. BOLTS SHALL BE ASTM A449 GR92 AND HOT DIPPED GALVANIZED IN ACCORDANCE WITH NYS DOT STANDARD SPECIFICATION SECTION 719-01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.
9. ALL NUTS SHALL BE ASTM A563 HEAVY HEX GRADE DH AND HOT DIPPED GALVANIZED IN ACCORDANCE WITH NYS DOT STANDARD SPECIFICATION SECTION 719-01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.
10. ALL WASHERS SHALL BE ASTM F436 AND HOT DIPPED GALVANIZED IN ACCORDANCE WITH NYS DOT STANDARD SPECIFICATION SECTION 719-01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.

M.P. 238.22, BIN 5009929

ITEM 607.06120025 SNOW FENCING FOR BRIDGES			
LOCATION	BEGIN STATION	END STATION	QUANTITY (LF)
WEST FASCIA	WB STA 15+32	WB STA 16+40	108
EAST FASCIA	EB STA 15+32	EB STA 16+40	108

ALTERED ON: _____ AFFIXED ON: 04/18/2024

SIGNATURE: _____ STAMP: _____

SIGNATURE: DANIEL A. LEVINE STAMP: _____

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING PROTECTIVE SCREENING ON BARRIERS	DRAWING NUMBER: ST-52

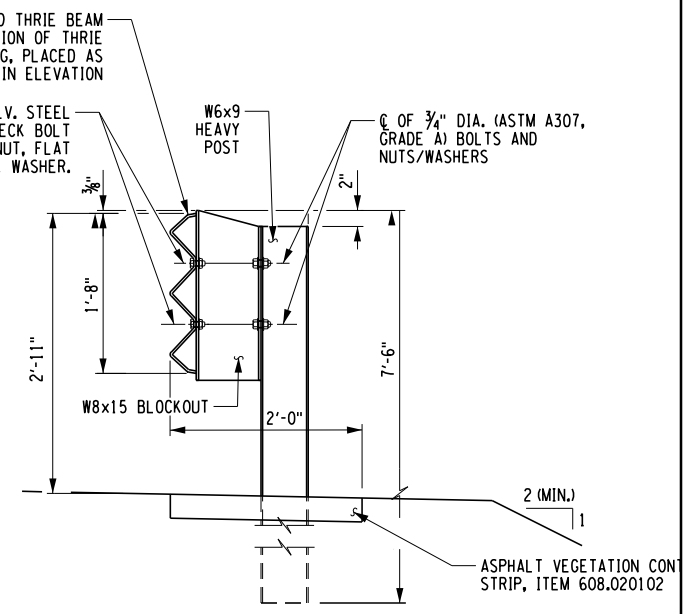
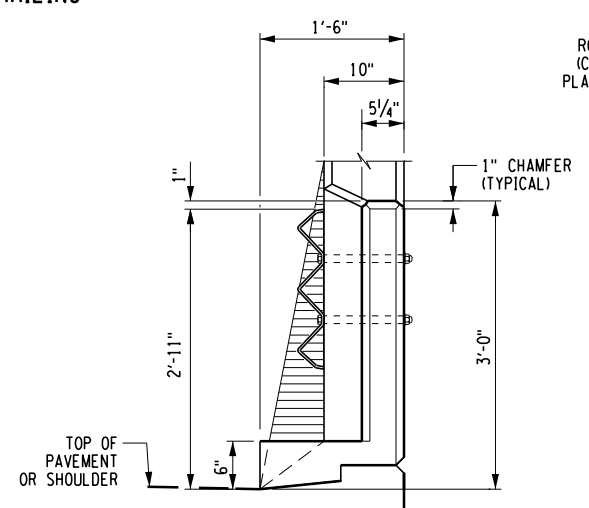
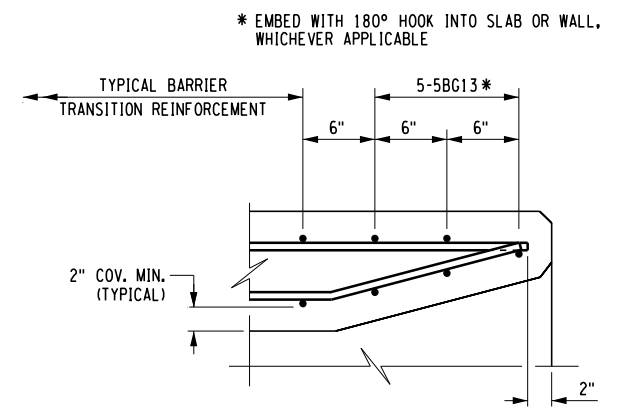
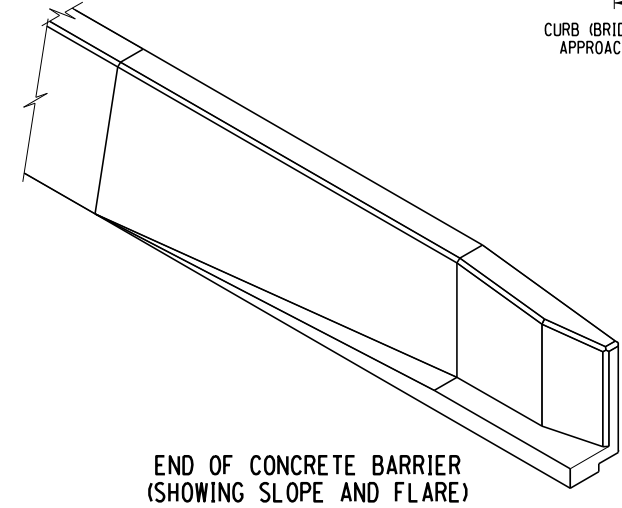
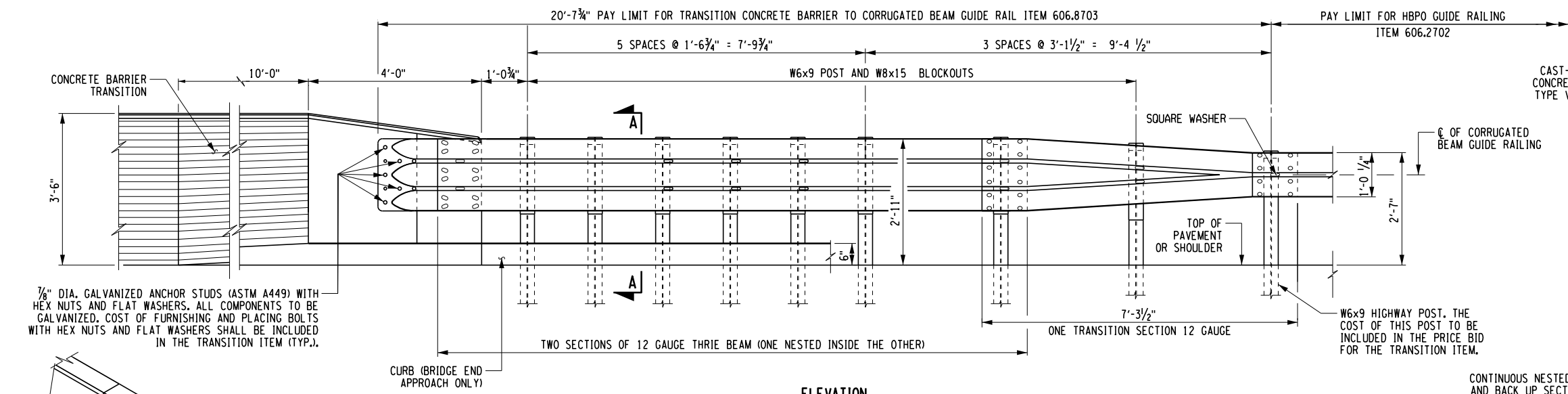
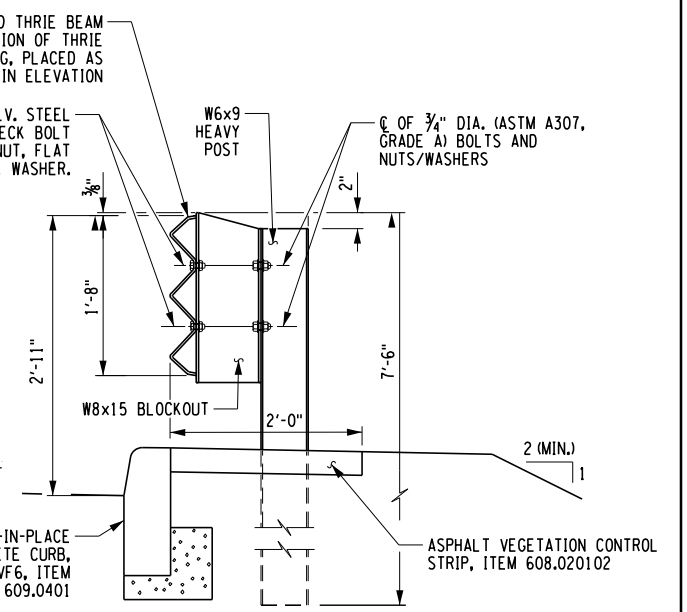
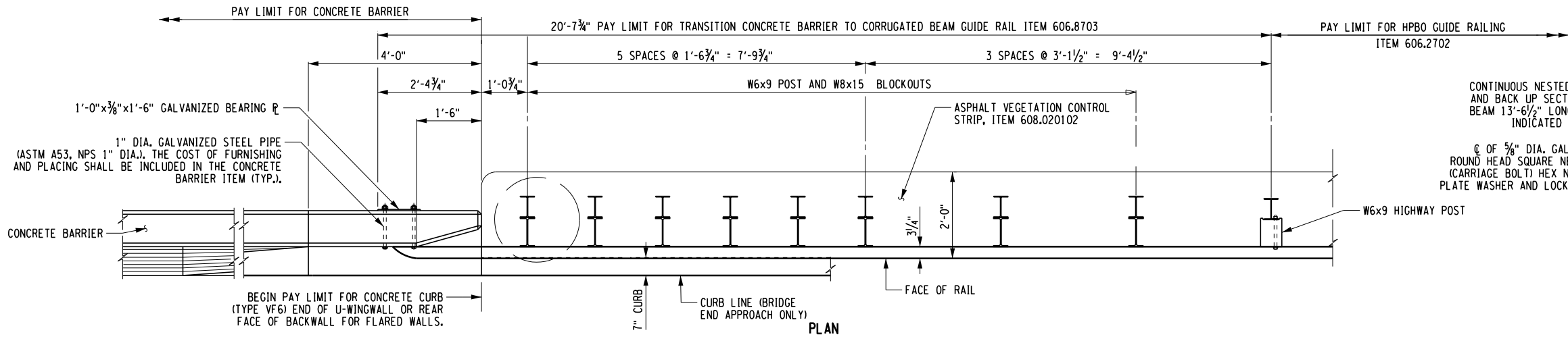
CHECKED BY: D. LEVINE

DRAFTED BY: LTESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



ALTERED ON: _____ AFFIXED ON: 04/03/2024

SIGNATURE: _____ DANIEL A. LEVINE
STAMP: _____

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING APPROACH TRANSITION RAILING DETAILS (1 OF 2)	DRAWING NUMBER: ST-53

M.P. 238.22, BIN 5009929

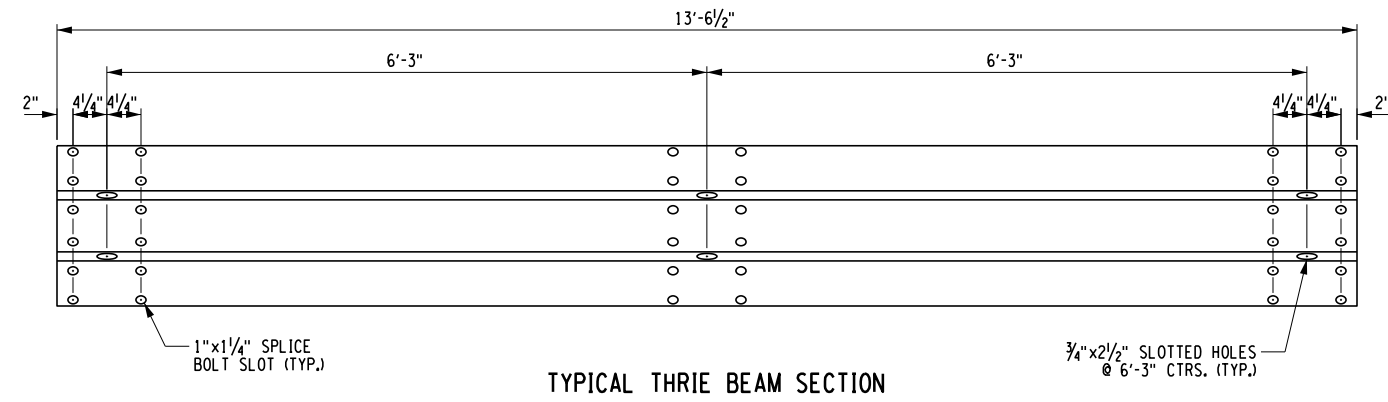
CHECKED BY: D. LEVINE

DRAFTED BY: LITNESNER

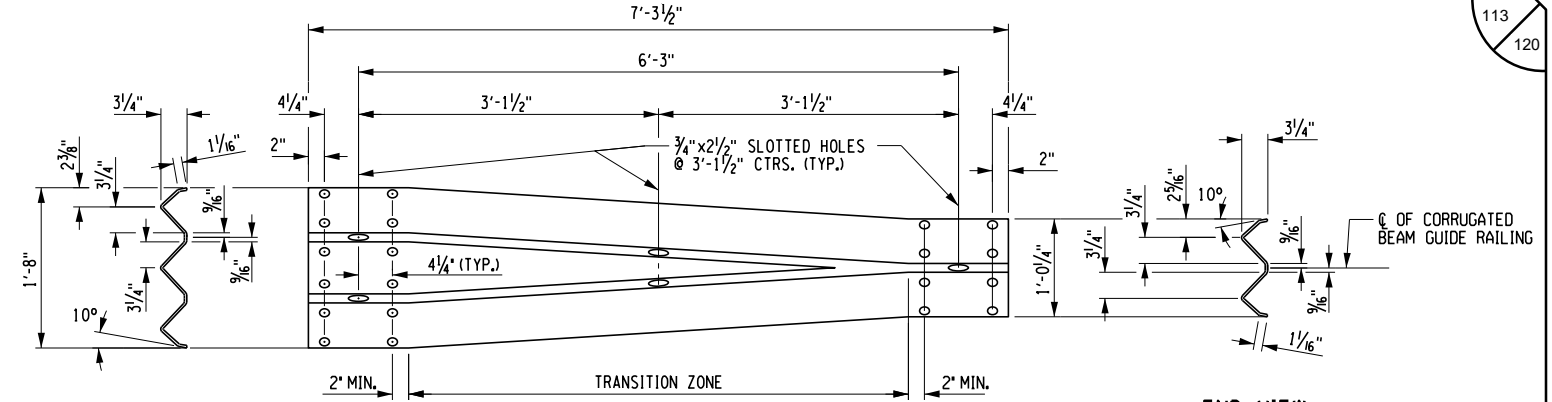
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



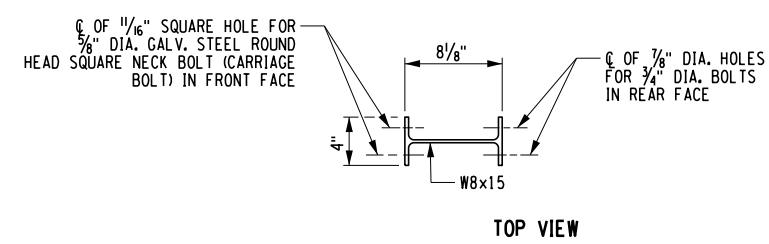
TYPICAL THRIE BEAM SECTION



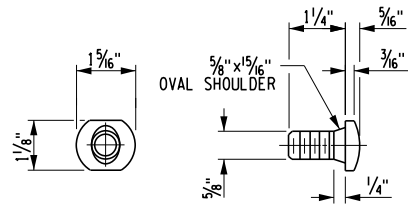
END VIEW OF TRANSITION

TRANSITION SECTION

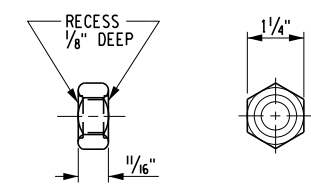
END VIEW OF TRANSITION



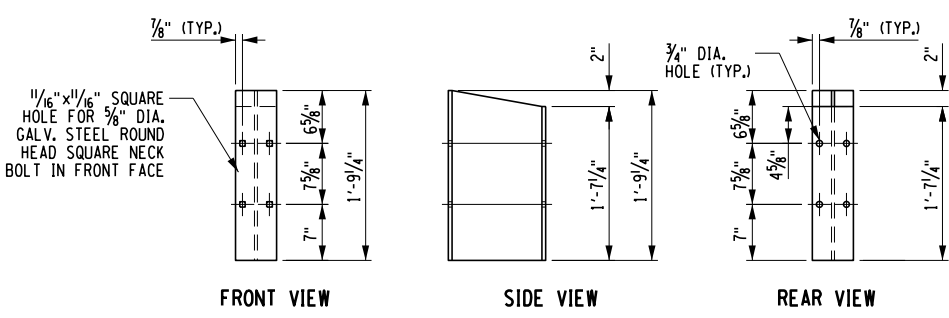
TOP VIEW



SPLICE BOLT
ASTM A307, GRADE A



HEX NUT
ASTM A563 GRADE A OR BETTER

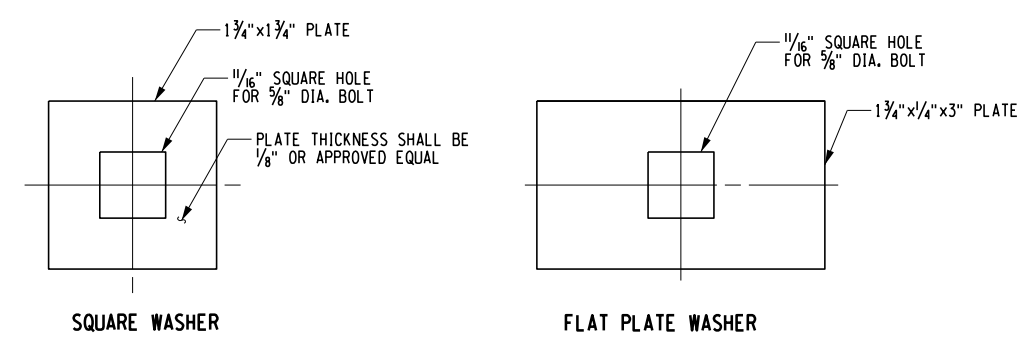


FRONT VIEW

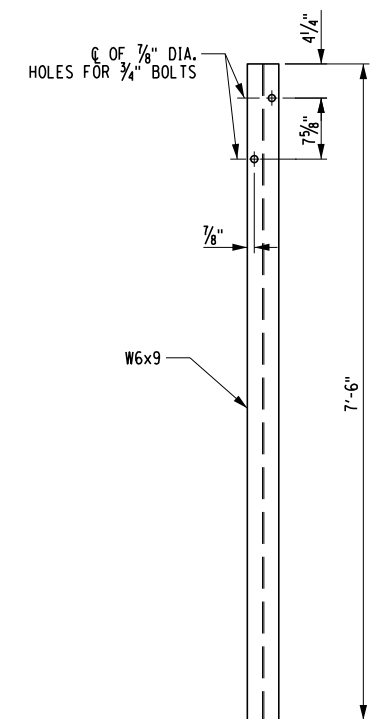
SIDE VIEW

REAR VIEW

THRIE BEAM BLOCKOUT DETAIL

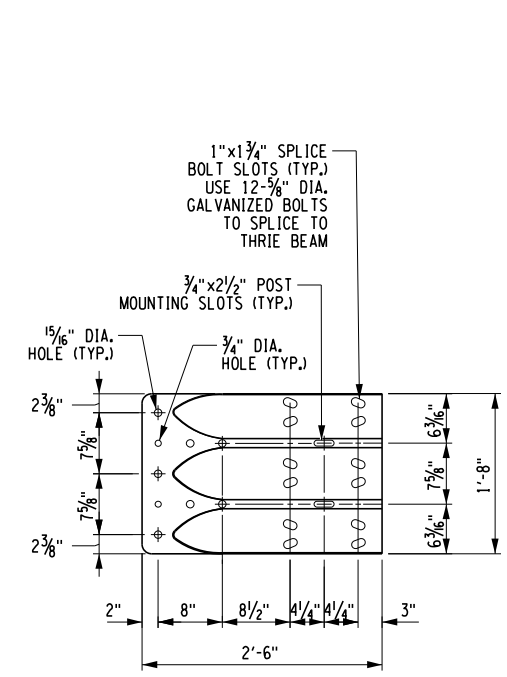


TYPICAL WASHER DETAILS

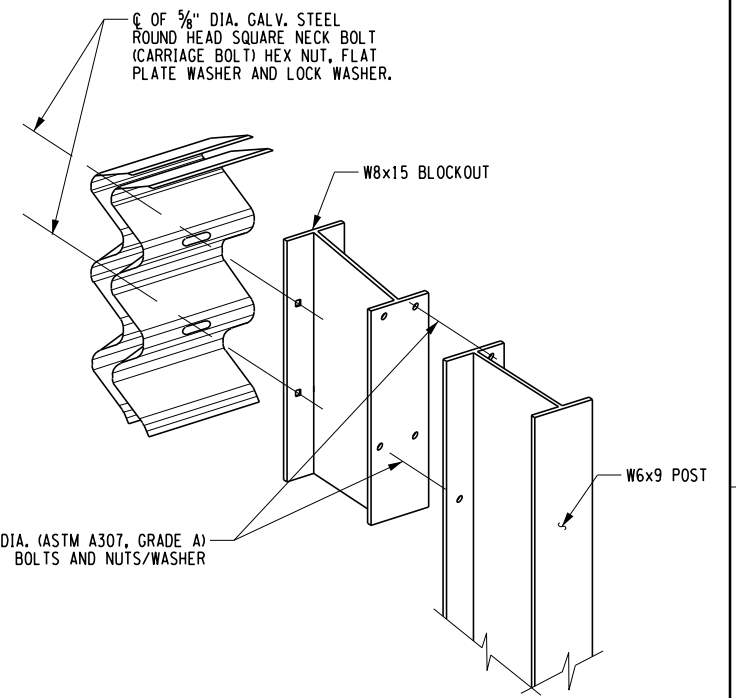


POST DETAIL

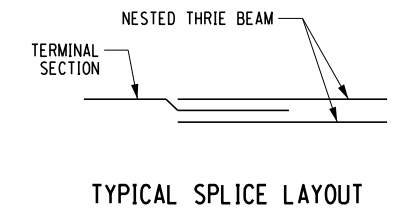
BEAM SPLICE HARDWARE



MODIFIED TERMINAL CONNECTOR



THRIE BEAM ASSEMBLY



TYPICAL SPLICE LAYOUT

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYL.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING APPROACH TRANSITION RAILING DETAILS (2 OF 2)	DRAWING NUMBER: ST-54

M.P. 238.22, BIN 5009929

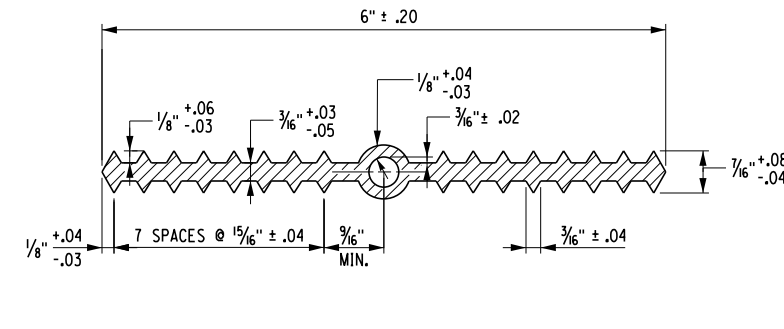
CHECKED BY: D. LEVINE

DRAFTED BY: LITSENER

CHECKED BY: D. LEVINE

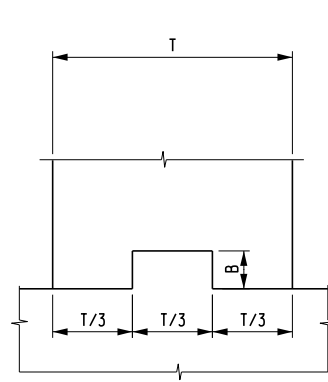
DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

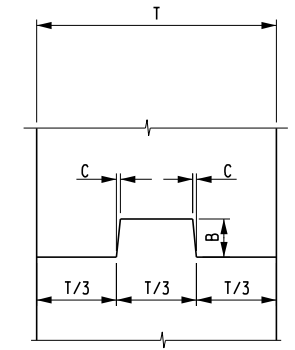


TYPE A WATERSTOP
NOT TO SCALE

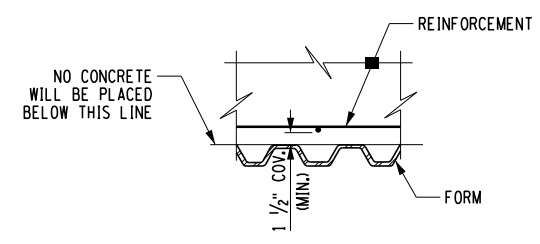
TYPE A WATERSTOP:
HOLES MUST NOT BE MADE IN WATERSTOP FOR ANY PURPOSE.



NOTE:
WATERSTOP NOT SHOWN.
HORIZONTAL



NOTE:
WATERSTOP NOT SHOWN.
VERTICAL

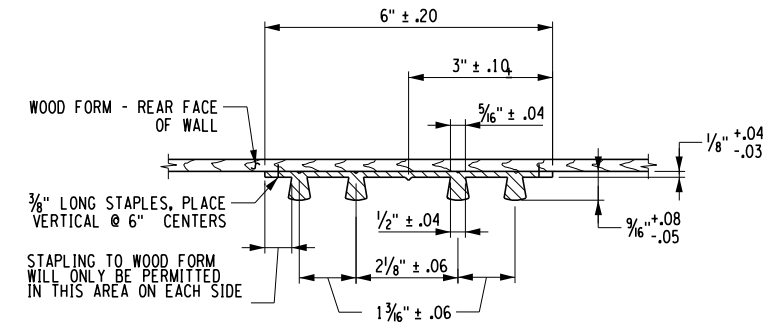


SECTION B-B
NOT TO SCALE

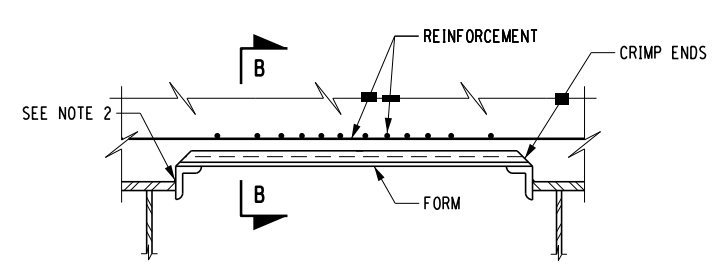
CONSTRUCTION AND CONTRACTION JOINTS		
C	B	T/3
3/16"	1 1/2"	0 TO 6"
3/8"	3 1/2"	6" TO 10"
3/4"	5 1/2"	10" AND OVER

EXPANSION JOINTS		
C	B	T/3
3/8"	3 1/2"	0 TO 10"
3/4"	5 1/2"	10" AND OVER

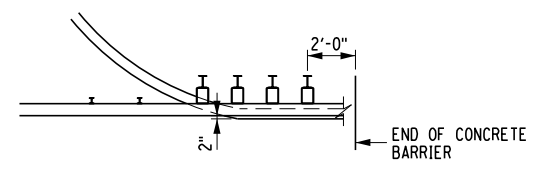
KEYWAY DETAILS
NOT TO SCALE



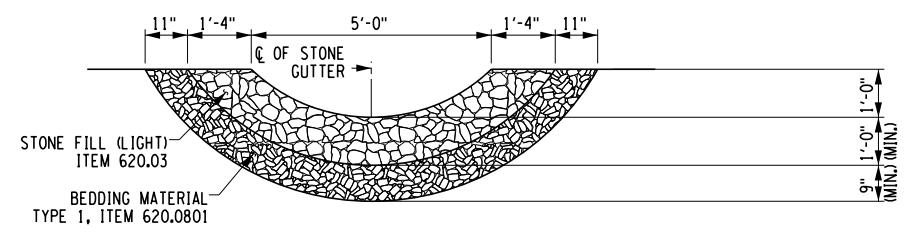
TYPE D WATERSTOP
NOT TO SCALE



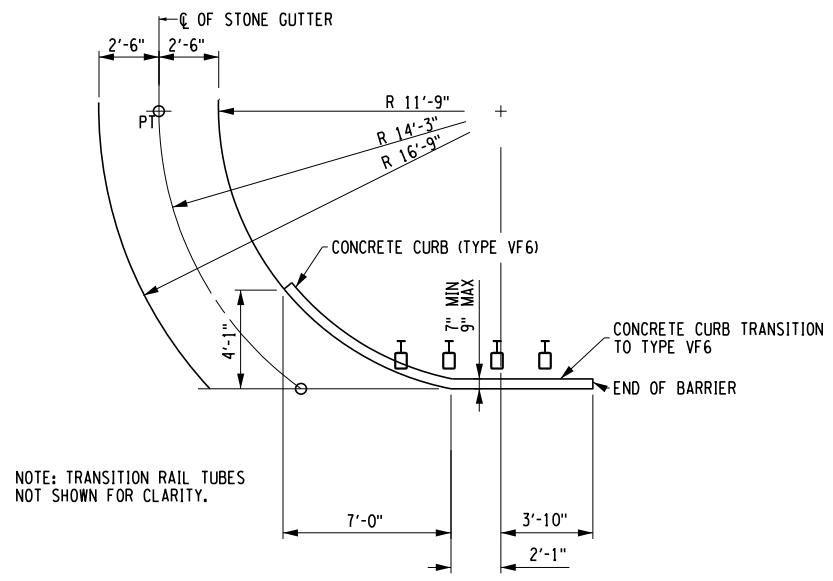
PERMANENT CORRUGATED METAL FORM DETAIL
NOT TO SCALE



DRAINAGE CURB OFFSET FOR CONCRETE BARRIER
NOT TO SCALE

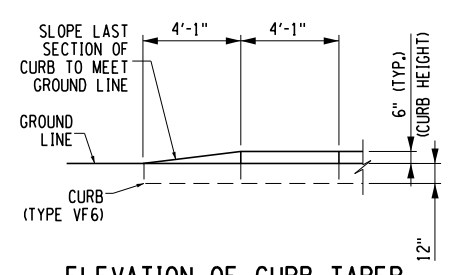


SECTION THRU STONE GUTTER
NOT TO SCALE



LAYOUT OF DRAINAGE CURBING AND STONE GUTTER
NOT TO SCALE

NOTE: TRANSITION RAIL TUBES NOT SHOWN FOR CLARITY.



ELEVATION OF CURB TAPER
NOT TO SCALE

- FORM UNIT NOTES:
1. THE COST OF THE FORMING SYSTEMS SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SUPERSTRUCTURE SLAB CONCRETE ITEM.
 2. THERE SHALL BE NO WELDING TO GALVANIZED OR METALIZED GIRDER SURFACES FOR THE ATTACHMENT OF FORMING DEVICES.
 3. THE SUPPORT ANGLES AND/OR ZEES SHALL BE GALVANIZED IN ACCORDANCE WITH MATERIAL SPECIFICATION 719-01.

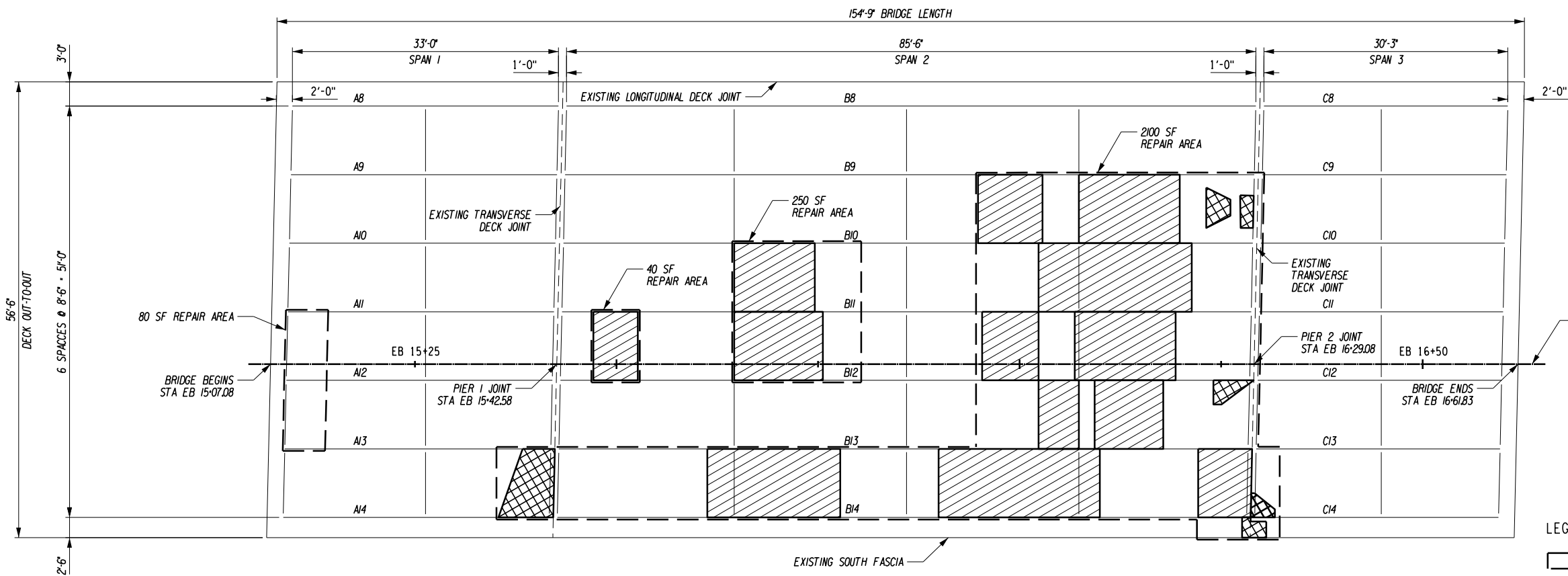
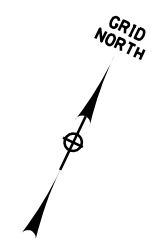
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING MISCELLANEOUS DETAILS	DRAWING NUMBER: ST-55

M.P. 238.22, BIN 5009929



EXISTING I-90 EASTBOUND OVER ORISKANY BLVD DECK REPAIR PLAN

SCALE: 1/16" = 1'-0"
(EXISTING I-90 WESTBOUND OVER ORISKANY BLVD NOT SHOWN FOR CLARITY)

- LEGEND**
- APPROXIMATE AREA TO BE REPAIRED (ITEM 582.0061 AND ITEM 557.04980025)
 - CONCRETE AREAS WITH EXISTING TEMPORARY SHORING TO BE REPAIRED
 - CONCRETE AREAS WITH COMPLETELY EXPOSED BOTTOM MAT REINFORCEMENT TO BE REPAIRED

- NOTES:**
- REPAIR AREAS SHOWN ARE FROM THE 2023 INSPECTION REPORT AND ARE APPROXIMATE. THESE AREAS WERE IDENTIFIED AS AFFECTING THE STRUCTURAL CAPACITY OR POSING A SAFETY HAZARD. MANY OF THESE AREAS HAVE BEEN COVERED WITH TEMPORARY SHORING CONSISTING OF PLYWOOD SUPPORTED BY TIMBER POSTS SITTING ON GIRDER BOTTOM FLANGES. OTHER CONCRETE DEFECTS, INCLUDING SPALLS, HOLLOW AREAS, DELAMINATING CONCRETE, OR CRACKING BUT NOT AFFECTING THE STRUCTURAL INTEGRITY OR SAFETY ARE NOT INCLUDED IN THE REPAIR PLAN.
 - TEMPORARY SHORING SHALL BE REMOVED TO DETERMINE ACTUAL LIMITS OF REPAIR. ACTUAL REPAIR LOCATIONS AND LIMITS SHALL BE FIELD VERIFIED AND REPAIRED AS ORDERED BY THE ENGINEER.
 - GIRDER AND PIER NUMBERING ARE TAKEN FROM RECORD PLANS. THE NUMBERING IN THE INSPECTION REPORT DIFFERS.
 - REPAIR INCLUDES 1000 LB ALLOWANCE OF REINFORCEMENT TO BE PAID FOR UNDER ITEM 556.0201.
 - THE CONTRACTOR SHALL REVIEW THE EXISTING DECK AND PLAN DEPICTED DETERIORATION AREAS, AND FIELD DELINEATE THE APPROXIMATE PROPOSED REPAIR AREAS. DELINEATED AREAS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF REPAIR WORK.
 - SEE ST-57 FOR PARTIAL DEPTH AND ST-58 FOR FULL DEPTH REPAIR DETAILS AND ADDITIONAL NOTES.

- UNDERDECK REPAIR PROCEDURE:**
- HAMMER SOUND THE UNDERSIDE OF THE DECK TO LOCATE AREAS OF DETERIORATED CONCRETE FOCUSING ON SPALLED AREAS (PAID FOR UNDER ITEM 582.0061). IN COORDINATION WITH THE EIC, RECORD LOCATIONS OF UNSOUND CONCRETE PRIOR TO INITIATING REPAIRS.
 - IMPLEMENT TEMPORARY LANE CLOSURES ALONG ORISKANY BLVD (NY 69) AND THE MAINLINE (I-90) IN ACCORDANCE WITH THE CONTRACT PLANS, NYSOT STANDARDS, AND NYSTA STANDARD SHEETS.
 - REMOVE UNSOUND CONCRETE TO A MINIMUM DEPTH OF 1.5" BEHIND BOTTOM REINFORCEMENT TO SOUND CONCRETE. WHERE UNSOUND CONCRETE IS LESS THAN 4" DEPTH, MEASURED FROM THE UNDERSIDE OF DECK, REPAIR ACCORDING TO NYSOT STANDARD SPECIFICATIONS 582 USING AN APPROVED OVERHEAD PATCHING MATERIAL. WORK TO BE PAID FOR UNDER ITEM 582.0061.
 - AREAS WITH UNSOUND CONCRETE THAT EXTEND BEYOND 4" ARE TO BE REPAIRED USING THE FULL DEPTH CONCRETE REPAIR DETAILS AND PAID FOR UNDER ITEM 557.04980025.

DESIGNED BY: J.P. O'LOUGHLIN
CHECKED BY: D. LEVINE
DRAFTED BY: L. TESNER
CHECKED BY: D. LEVINE

ALTERED ON:	AFFIXED ON: 04/23/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	CONTRACT NUMBER: TAS 24-20B DATE: 04/03/2024 DRAWING NUMBER: ST-56

M.P. 238.22, BIN 5009929

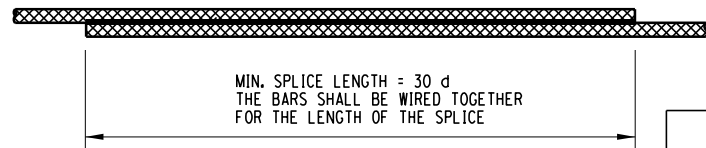
CHECKED BY: D. LEVINE

DRAFTED BY: LITNESNER

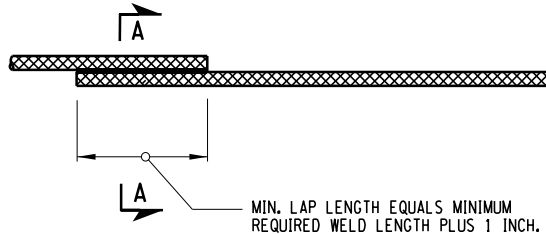
CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

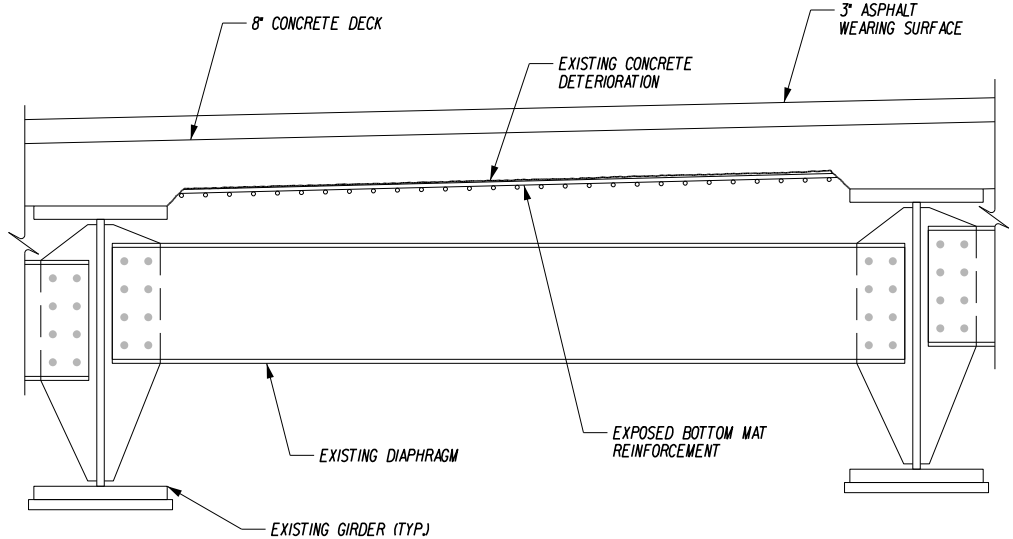


PLAN
LAPPED, TIED SPLICE
NOT TO SCALE



PLAN
WELDED SPLICE
NOT TO SCALE

MINIMUM WELD LENGTHS		
BAR SIZE	SINGLE FLARE L1 V-GROOVE WELD	DOUBLE FLARE L2 V-GROOVE WELD
5	4"	2 1/2"
6	4 1/2"	2 3/4"
7	5"	3"
8	5 1/2"	3 1/4"
9	6"	3 1/2"



EXISTING CONCRETE DECK SECTION
NOT TO SCALE

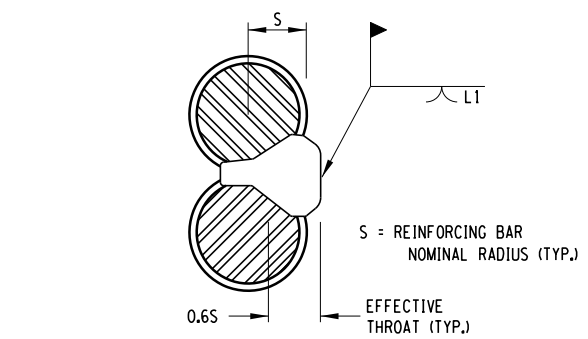


TYPICAL DECK DETERIORATION PHOTOS

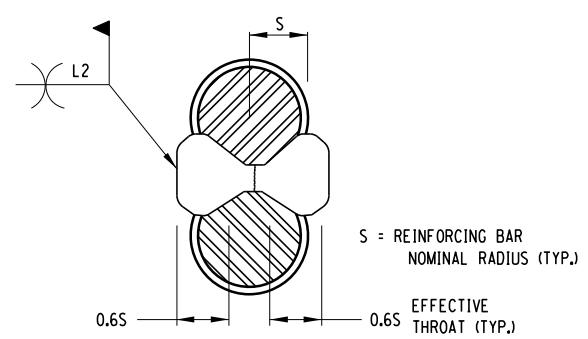
NOTES:

- SEE ST-56 FOR REPAIR LOCATIONS AND QUANTITIES.
- REMOVAL OF STRUCTURAL CONCRETE AND REPLACEMENT WITH OVERHEAD PATCHING MATERIAL SHALL CONFORM WITH THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 582 AND THOSE INCORPORATED BY REFERENCE.
- ALL WORK SHOWN ON THIS DRAWING SHALL BE PAID FOR UNDER ITEM 582.0061 UNLESS OTHERWISE NOTED. THE ACTUAL LOCATION AND QUANTITY OF REPAIRS SHALL BE A.O.B.E. PAYMENT WILL REFLECT THE ACTUAL QUANTITY OF WORK PERFORMED.
- DETERIORATED REINFORCEMENT WITH SECTION LOSS EXCEEDING 25% OF THE BAR'S ORIGINAL DIAMETER SHALL BE SUPPLEMENTED WITH NEW REINFORCEMENT OF THE SAME SIZE AND TYPE AS THE ORIGINAL. IF WELDED, WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH THE "NEW YORK STATE STEEL CONSTRUCTION MANUAL".
- AT ALL CONCRETE REMOVAL LOCATIONS, THE MINIMUM DEPTH OF REMOVAL SHALL BE NO LESS THAN 1 1/2 INCHES BEHIND THE INNERMOST LAYER OF EXPOSED REINFORCING BARS, OR TO SOUND CONCRETE, WHICHEVER IS GREATER. CONFIRM REBAR DEPTH PRIOR TO SAW CUTTING AND NOTIFY THE ENGINEER IF MODIFICATIONS NEED TO BE MADE TO AVOID DAMAGING THE EXISTING BARS.
- WHERE CONCRETE REMOVAL AND REPLACEMENT NECESSITATES ADJACENT SEPARATE CONCRETE PLACEMENTS, CONCRETE REMOVAL SHALL NOT BE ALLOWED WITHIN 1 FOOT OF ADJACENT REPAIR AREAS. ADJACENT AREAS WHERE THIS 1 FOOT BUFFER IS NOT ATTAINABLE SHALL BE COMBINED INTO A SINGLE REPAIR AREA.
- STOP CONCRETE REMOVAL AND NOTIFY THE ENGINEER IF CONCRETE DETERIORATION (I.E. UNSOUND CONCRETE) EXCEEDS A DEPTH OF 4 INCHES. REPAIRS EXCEEDING 4 INCHES WILL RESULT IN A FULL DEPTH REPAIR AS DETAILED ON ST-58.

ALL SURFACES SHALL BE CLEANED PREPARED. THE COST FOR THIS WORK TO BE INCLUDED IN THE PRICE BID FOR ITEM 582.0061

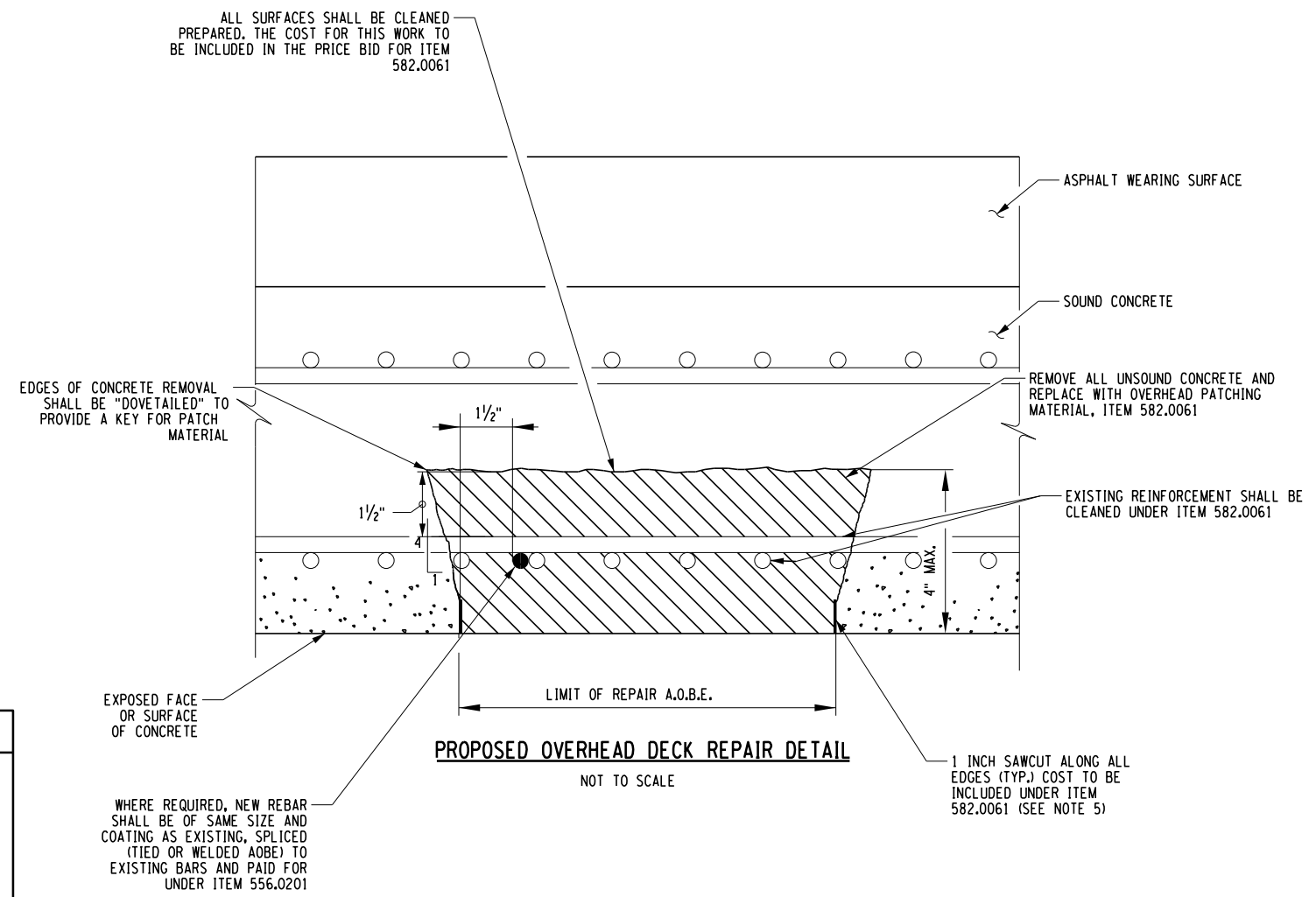


SINGLE FLARE V - GROOVE WELD



DOUBLE FLARE V - GROOVE WELD

SECTION A-A
NOT TO SCALE



PROPOSED OVERHEAD DECK REPAIR DETAIL
NOT TO SCALE

WHERE REQUIRED, NEW REBAR SHALL BE OF SAME SIZE AND COATING AS EXISTING, SPLICED (TIED OR WELDED A.O.B.E.) TO EXISTING BARS AND PAID FOR UNDER ITEM 556.0201

ALTERED ON:	AFFIXED ON: 04/18/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING EXISTING DECK REPAIR DETAILS (SHEET 1 OF 2)	DRAWING NUMBER: ST-57

M.P. 238.22, BIN 5009929

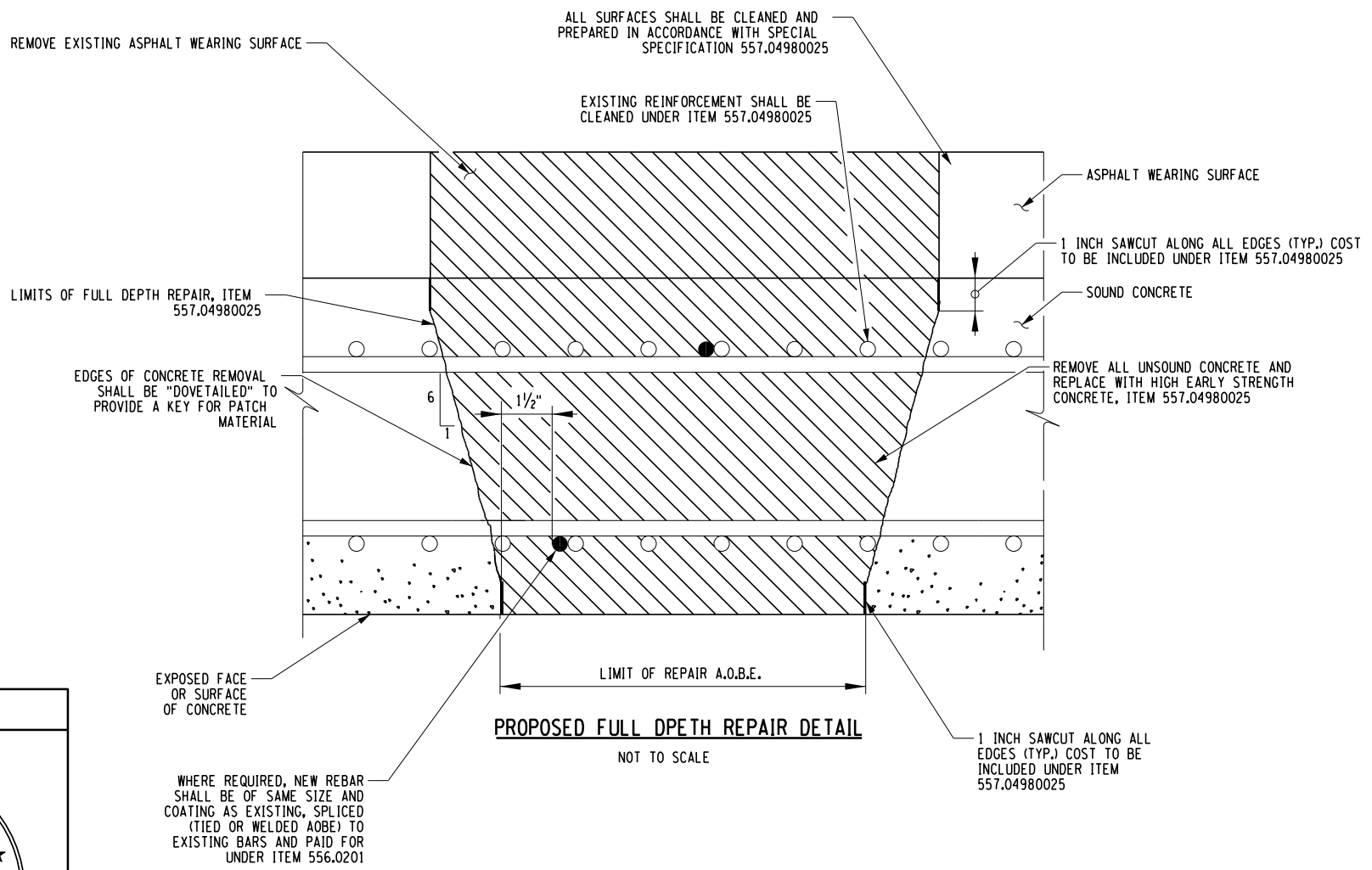
CHECKED BY: D. LEVINE

DRAFTED BY: I. TESNER

CHECKED BY: D. LEVINE


DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



NOTES:

1. SEE ST-56 FOR REPAIR LOCATIONS AND QUANTITIES.
2. REMOVAL OF STRUCTURAL CONCRETE AND REPLACEMENT WITH HIGH EARLY STRENGTH PEM CONCRETE SHALL CONFORM WITH THE REQUIREMENTS OF SPECIAL SPECIFICATION 557.04980025 AND THOSE INCORPORATED BY REFERENCE.
3. ALL WORK SHOWN ON THIS DRAWING SHALL BE PAID FOR UNDER ITEM 557.04980025 UNLESS OTHERWISE NOTED. THE ACTUAL LOCATION AND QUANTITY OF REPAIRS SHALL BE A.O.B.E. PAYMENT WILL REFLECT THE ACTUAL QUANTITY OF WORK PERFORMED.
4. DETERIORATED REINFORCEMENT WITH SECTION LOSS EXCEEDING 25% OF THE BAR'S ORIGINAL DIAMETER SHALL BE SUPPLEMENTED WITH NEW REINFORCEMENT OF THE SAME SIZE AND TYPE AS THE ORIGINAL. IF WELDED, WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH THE "NEW YORK STATE STEEL CONSTRUCTION MANUAL".
5. SUPPLEMENTAL REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
6. WHERE CONCRETE REMOVAL AND REPLACEMENT NECESSITATES ADJACENT SEPARATE CONCRETE PLACEMENTS, CONCRETE REMOVAL SHALL NOT BE ALLOWED WITHIN 1 FOOT OF ADJACENT REPAIR AREAS. ADJACENT AREAS WHERE THIS 1 FOOT BUFFER IS NOT ATTAINABLE SHALL BE COMBINED INTO A SINGLE REPAIR AREA.
7. SEE ST-57 FOR REINFORCEMENT SPLICING DETAILS.

ALTERED ON:	AFFIXED ON: 04/18/2024
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.





TITLE OF PROJECT:
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD

LOCATION OF PROJECT:
SYRACUSE DIVISION
MP 238.22

TITLE OF DRAWING:
EXISTING DECK REPAIR DETAILS (SHEET 2 OF 2)

CONTRACT NUMBER:
TAS 24-20B

DATE:
04/03/2024

DRAWING NUMBER:
ST-58

M.P. 238.22, BIN 5009929

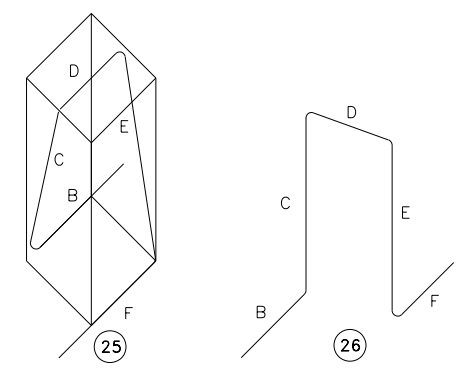
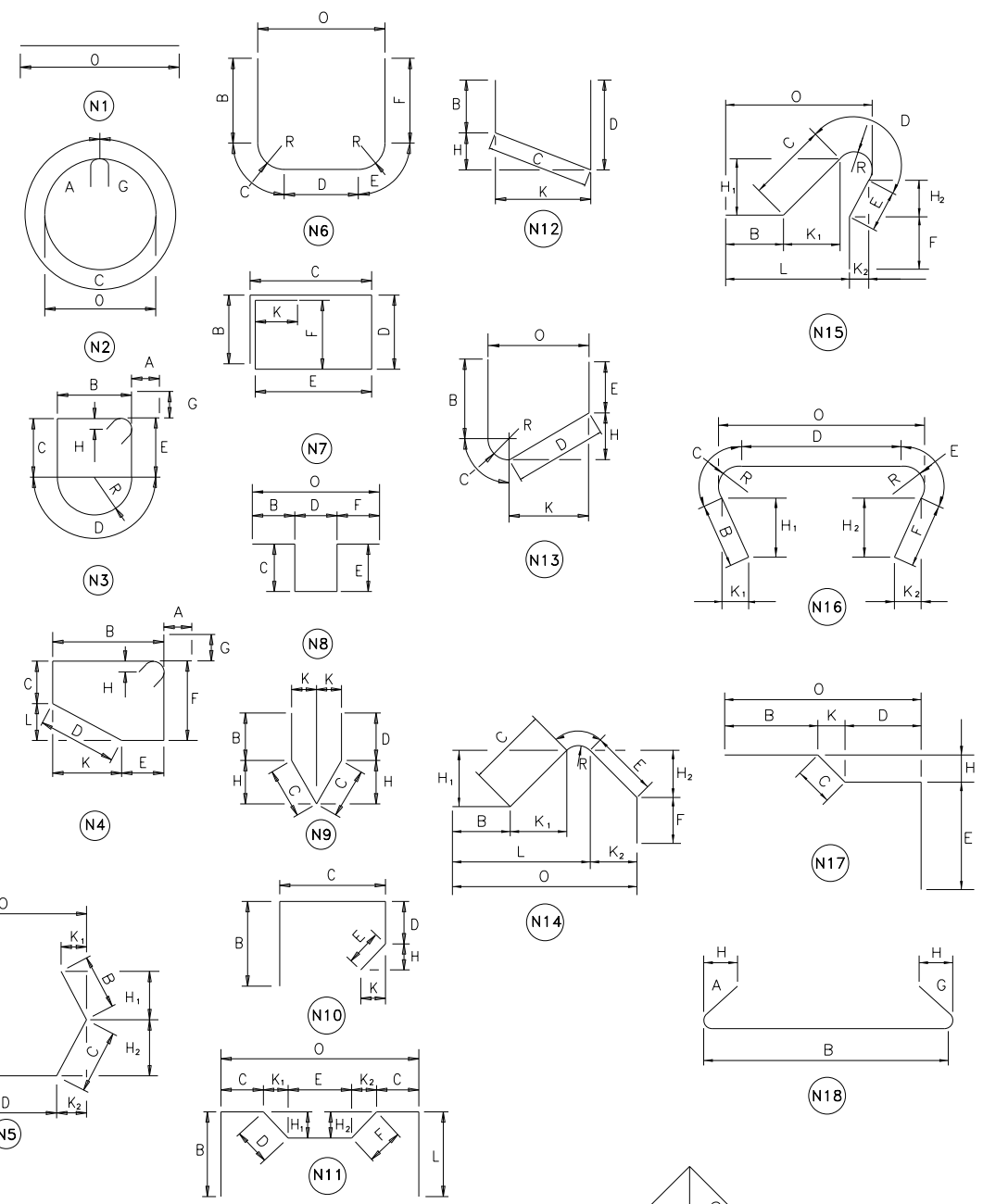
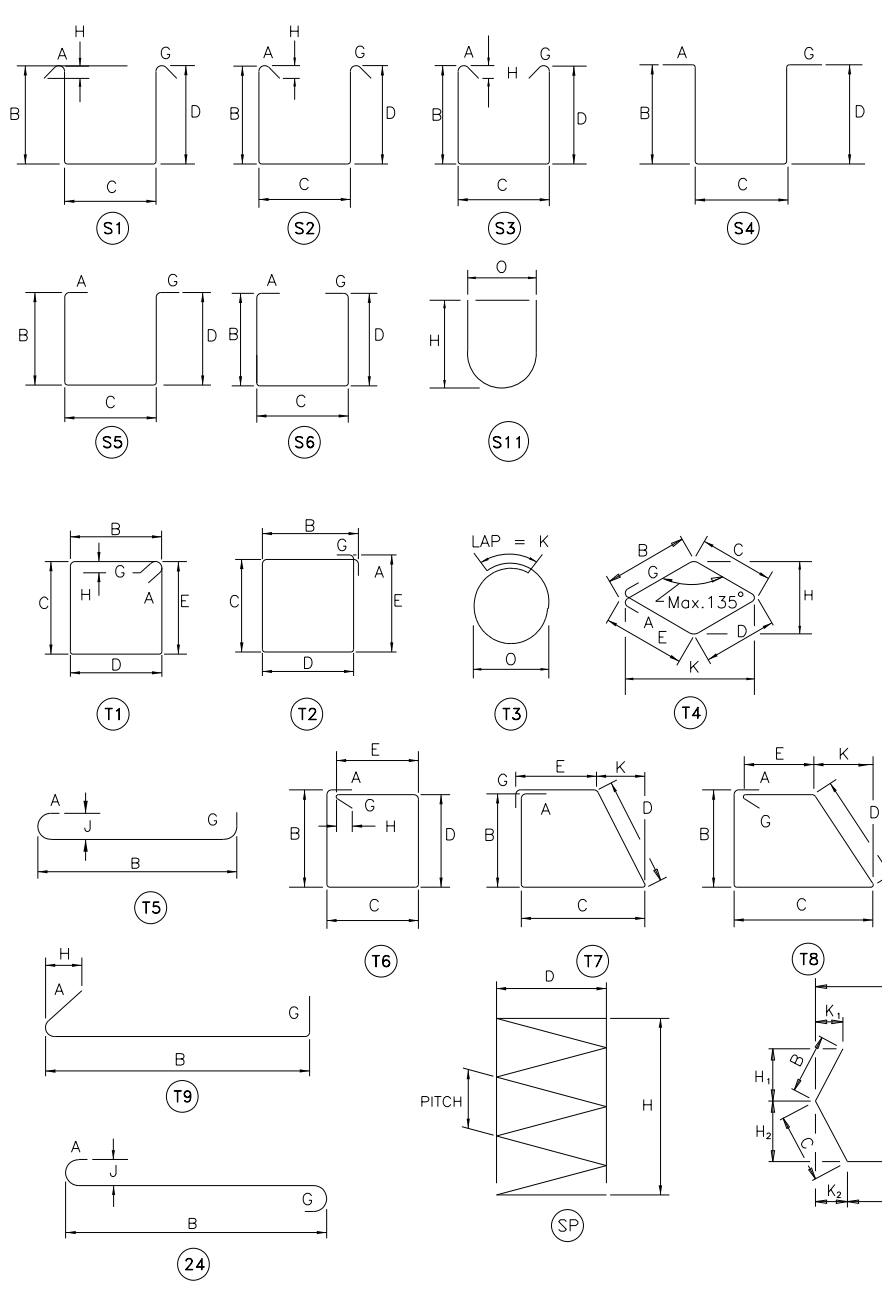
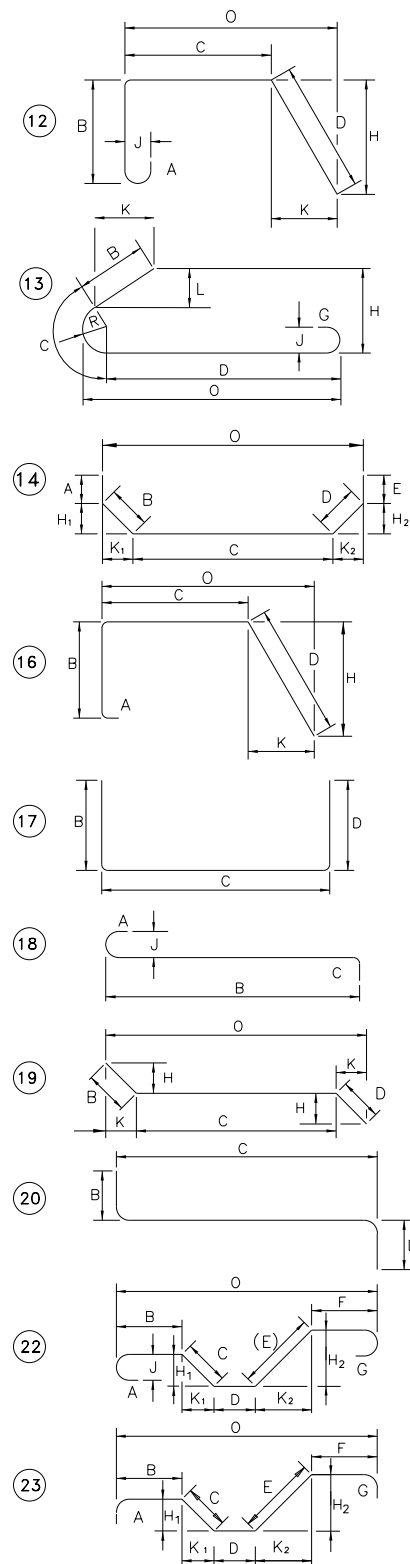
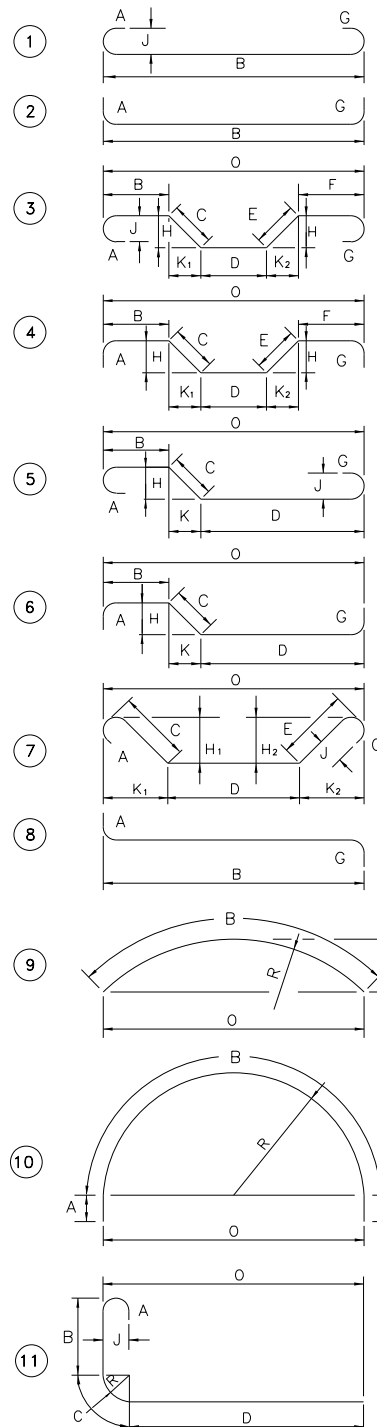
CHECKED BY: D. LEVINE

DRAFTED BY: LTESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE



ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS EXCEPT HOOKS A & G

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

PARSONS

TITLE OF PROJECT
REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD

LOCATION OF PROJECT
SYRACUSE DIVISION
MP 238.22

TITLE OF DRAWING
BAR BENDING DIAGRAM

CONTRACT NUMBER:
TAS 24-20B

DATE:
04/03/2024

DRAWING NUMBER:
ST-59

M.P. 238.22, BIN 5009929

CHECKED BY: D. LEVINE

DRAFTED BY: L. TESNER

CHECKED BY: D. LEVINE


DESIGNED BY: J.P. O'LOUGHLIN

DESIGN SUPERVISOR: D. LEVINE

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS
BEGIN ABUTMENT																				
PLACEMENT - LOWER STEM																				
9AG1	242	9	16'-9"	2	10815	2'-8"	14'-1"					0'-0"						0'-0"		LENGTH VARIES DUE TO CROSS SLOPE
6AG3	38	6	40'-0"	STR	2284													40'-0"		
6AG4	38	6	23'-2"	STR	1323													23'-2"		
5AG5	121	5	7'-4"	17	926		2'-4"	2'-8"	2'-4"											
9AG6	40	9	7'-4"	17	784		2'-4"	2'-8"	2'-4"											
5AG12	8	5	14'-4"	STR	307													14'-4"		
5AG13	16	5	7'-4"	17	314		2'-4"	2'-8"	2'-4"											
SUBTOTAL					15132															
PLACEMENT - UPPER STEM																				
6AG3	16	6	40'-0"	STR	962													40'-0"		
6AG4	16	6	23'-2"	STR	557													23'-2"		
5AG5	121	5	7'-4"	17	926		2'-4"	2'-8"	2'-4"											
5AG7	45	5	4'-3"	1	200	0'-6"	3'-3"					0'-6"								INTO APPROACH SLAB
5AG8	91	5	8'-6"	2	807	5'-6"	3'-0"													FF ABUT INTO BOTTOM OF SUP. SLAB
5AG9	91	5	27'-3"	2	2583	2'-7"	24'-8"													RF ABUT INTO TOP OF SUP. SLAB
5AG10	1	5	40'-0"	STR	42													40'-0"		
5AG11	1	5	22'-11"	STR	24													22'-11"		
5AG13	16	5	7'-4"	17	314		2'-4"	2'-8"	2'-4"											
SUBTOTAL					6101															
TOTAL (EB & WB)					44466															

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS
END ABUTMENT																				
PLACEMENT - LOWER STEM																				
9AG2	242	9	16'-2"	2	10427	2'-8"	13'-6"					0'-0"						0'-0"		LENGTH VARIES DUE TO CROSS SLOPE
6AG3	36	6	40'-0"	STR	2163													40'-0"		
6AG4	36	6	23'-2"	STR	1253													23'-2"		
5AG5	121	5	7'-4"	17	926		2'-4"	2'-8"	2'-4"											
9AG6	40	9	7'-4"	17	784		2'-4"	2'-8"	2'-4"											
5AG12	8	5	13'-9"	STR	294													13'-9"		
5AG13	16	5	7'-4"	17	314		2'-4"	2'-8"	2'-4"											
SUBTOTAL					15553															
PLACEMENT - UPPER STEM																				
6AG3	16	6	40'-0"	STR	962													40'-0"		
6AG4	16	6	23'-2"	STR	557													23'-2"		
5AG5	121	5	7'-4"	17	926		2'-4"	2'-8"	2'-4"											
5AG7	45	5	4'-3"	1	200	0'-6"	3'-3"					0'-6"								INTO APPROACH SLAB
5AG8	91	5	8'-6"	2	807	5'-6"	3'-0"													FF ABUT INTO BOTTOM OF SUP. SLAB
5AG9	91	5	27'-3"	2	2583	2'-7"	24'-8"													RF ABUT INTO TOP OF SUP. SLAB
5AG10	1	5	40'-0"	STR	42													40'-0"		
5AG11	1	5	22'-11"	STR	24													22'-11"		
5AG13	16	5	7'-4"	17	314		2'-4"	2'-8"	2'-4"											
SUBTOTAL					6101															
TOTAL (EB & WB)					43308															

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS
WINGWALL																				
PLACEMENT - FOOTING POUR																				
5WG1	16	5	20'-7"	STR	344													20'-7"		LENGTH VARIES, AVERAGE LENGTH USED
6WG2	36	6	7'-0"	STR	379													7'-0"		
6WG3	14	6	8'-1"	STR	170													8'-1"		LENGTH VARIES, AVERAGE LENGTH USED
SUBTOTAL					893															

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: STAMP: DANIEL A. LEVINE
	

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority



TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING BAR LIST (SHEET 1 OF 2)	DRAWING NUMBER: ST-60

M.P. 238.22, BIN 5009929

CHECKED BY: D. LEVINE

DRAFTED BY: I. TESNER

CHECKED BY: D. LEVINE

DESIGNED BY: J.P. O'LOUGHLIN


DESIGN SUPERVISOR: D. LEVINE

PLACEMENT - STEM POUR																						
5WG4	20	5	11'-10"	17	248																	LENGTH VARIES, AVERAGE LENGTH USED
6WG5	38	6	12'-1"	17	692																	LENGTH VARIES, AVERAGE LENGTH USED
6WG6	4	6	16'-7"	17	100																	
5WG7	5	5	16'-4"	17	86																	
5WG8	6	5	22'-11"	N12	144																	
5WG9	6	5	23'-2"	N12	146																	
5WG10	11	5	13'-6"	N12	155																	LENGTH VARIES, AVERAGE LENGTH USED
5WG11	11	5	13'-10"	N12	159																	LENGTH VARIES, AVERAGE LENGTH USED
5WG12	16	5	6'-9"	N10	113																	
5WG13	1	5	23'-11"	12	25	0'-0"	0'-0"	2'-10"	21'-1"	2'-4"												PERIMETER
SUBTOTAL					1868																	
TOTAL (BAR/EAL & BAL/EAR)					11044																	

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS	
SUPERSTRUCTURE SLAB																					
PLACEMENT - SUPERSTRUCTURE SLAB																					
4SG1	122	4	40'-0"	1	3260	0'-6"	39'-2"					0'-0"			0'-4"						LAPPED TO 4SG2
4SG2	122	4	23'-9"	1	1937	0'-6"	22'-11"					0'-0"			0'-4"						LAPPED TO 4SG1
4SG3	122	4	40'-0"	STR	3260													40'-0"			LAPPED TO 4SG4
4SG4	122	4	22'-1"	STR	1802													22'-1"			LAPPED TO 4SG3
4SG5	528	4	40'-0"	STR	14109													40'-0"			
4SG6	176	4	7'-2"	STR	843													7'-2"			
5SG7	36	5	40'-0"	STR	1502													40'-0"			
5SG8	12	5	9'-8"	STR	121													9'-8"			
6SG9	244	6	6'-2"	1	2261	0'-8"	5'-6"					0'-0"			0'-6"						
4SG14	8	4	3'-8"	12	20			1'-8"	2'-0"				1'-5"			1'-5"	3'-1"				CORNER DETAIL BAR
SUBTOTAL					29115																
PLACEMENT - BARRIER REINFORCEMENT EMBEDDED IN DECK																					
6BG10	174	6	4'-1"	A	1068																VARIES IN BARRIER TRANSITION
5BG11	174	5	3'-0"	STR	545													3'-0"			
6BG12	16	6	4'-2"	D	101																
5BG13	16	5	6'-2"	E	103																
SUBTOTAL (EACH BARRIER)					1817																
SUBTOTAL (EACH SLAB)					30932																
SUPERSTRUCTURE SLAB TOTAL (2 SLABS)					61864																

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS	
PLACEMENT - APPROACH SLAB																					
5HG1	178	5	23'-0"	STR	4271													23'-0"			
5HG2	48	5	40'-0"	STR	2003													40'-0"			
5HG3	48	5	20'-11"	STR	1049													20'-11"			
SUBTOTAL (EACH SLAB)					7323																
APPROACH SLAB TOTAL (4 SLABS)					29292																
PLACEMENT - SLEEPER SLAB																					
5HG2	16	5	40'-0"	STR	668													40'-0"			
5HG3	16	5	20'-11"	STR	350													20'-11"			
5HG4	120	5	5'-6"	STR	689													5'-6"			
5HG5	60	5	4'-6"	17	282		1'-6"	1'-6"	1'-6"												
SUBTOTAL (EACH SLAB)					1989																
SLEEPER SLAB TOTAL (4 SLABS)					7956																

MARK	QTY	SIZE	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H/H1	H2	J	K	L	O	R	REMARKS	
PLACEMENT - SINGLE SLOPE CONCRETE BARRIER																					
7BG1	36	7	40'-0"	STR	2944													0'-0"			
7BG2	12	7	9'-8"	STR	238													40'-0"			
5BG3	174	5	6'-7"	B	1188																VARIES IN BARRIER TRANSITION
5BG4	16	5	5'-8"	F	94																
SUBTOTAL (EACH BARRIER)					4464																
BARRIER TOTAL (EB & WB)					8928																

ALTERED ON:	AFFIXED ON: 04/03/2024
SIGNATURE: STAMP:	SIGNATURE: DANIEL A. LEVINE 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.





TITLE OF PROJECT REPLACEMENT OF I-90 BRIDGE OVER ORISKANY BOULEVARD	CONTRACT NUMBER: TAS 24-20B
LOCATION OF PROJECT SYRACUSE DIVISION MP 238.22	DATE: 04/03/2024
TITLE OF DRAWING BAR LIST (SHEET 2 OF 2)	DRAWING NUMBER: ST-61

M.P. 238.22, BIN 5009929