



Thruway Authority

ALBANY DIVISION
PLANS FOR
REPLACEMENT OF MALDEN TURNPIKE (CR 34)
BRIDGE OVER I-87
AT
MILEPOST 103.16
IN
ULSTER COUNTY

TAA 25-27B D215051
97 SHEETS BIN 5515590

TYPE OF CONSTRUCTION:
BRIDGE REPLACEMENT AND MISCELLANEOUS WORK

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% MUNICIPALITY
MALDEN TURNPIKE (CR 34) - ULSTER COUNTY

100% AUTHORITY
BIN 5515590
REFER TO DWG. MJ-1 FOR ADDITIONAL DETAILS

LOAD RATING

(LRFR)				(LFR)		
INVENTORY	HL-93	1.25	EXT. GIRDER NEG. MOM.	INVENTORY	HS 71 TONS	INT. GIRDER POS. MOM.
OPERATING	HL-93	1.62	EXT. GIRDER NEG. MOM.	OPERATING	HS 118 TONS	INT. GIRDER POS. MOM.

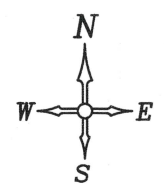
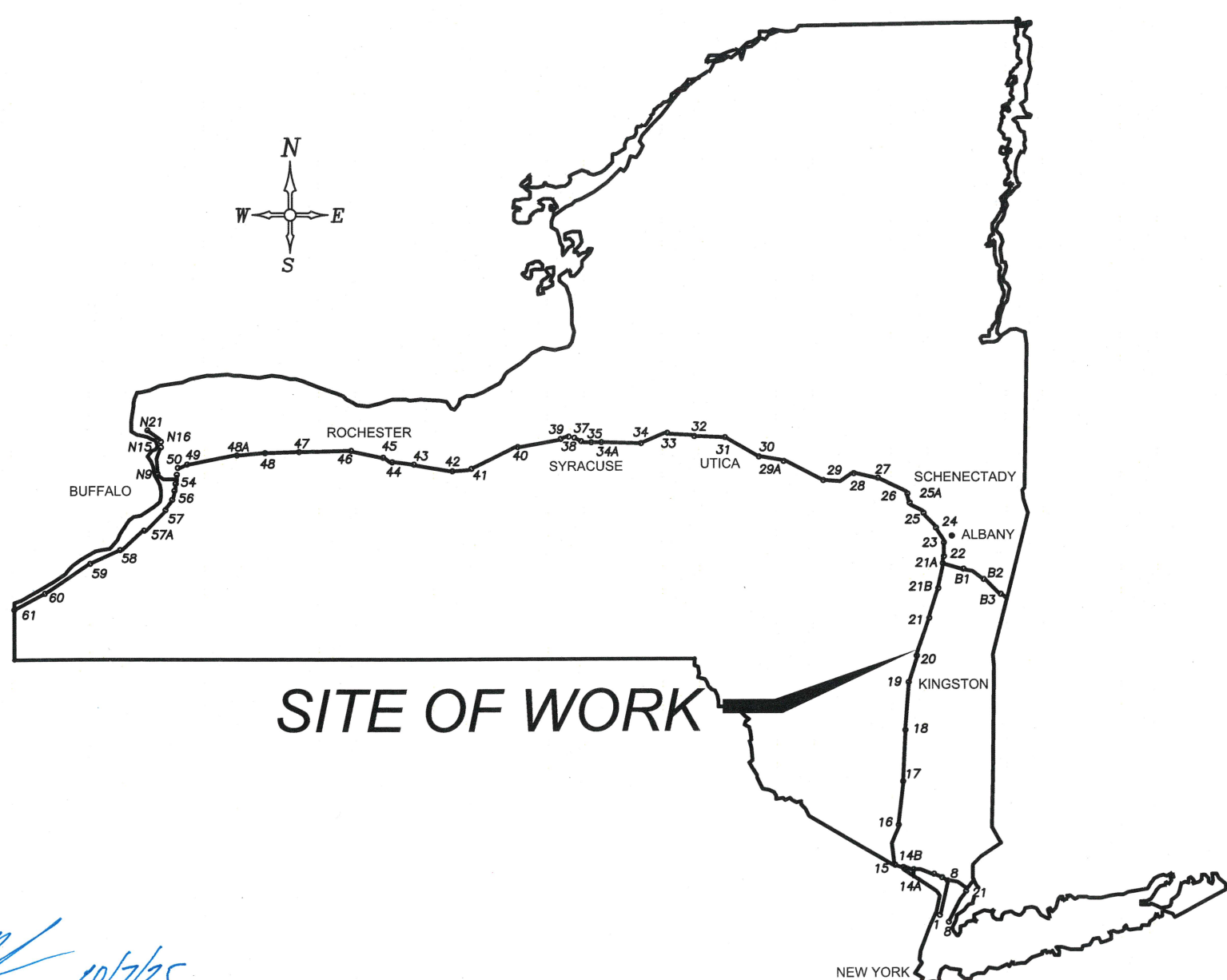
HL-93 LIVE LOADING (LRFR)
HS-20 LIVE LOADING (LFR)

	PROJECT LIMITS		CONTRACT LIMITS	
MALDEN TURNPIKE (CR 34) MP 103.16	MP 103.00	MP 103.30	MP 101.50	MP 104.80

DIG SAFELY NEW YORK
UNDERGROUND FACILITIES PROTECTION ORGANIZATION
CALL 811

PREPARED AND RECOMMENDED BY:
SHEETS 67 TO 71, 77 TO 78, 95 TO 97
Ram Sharma DATE 09/25/2025
KC ENGINEERING & LAND SURVEYING PC
Engineering and Land Surveying, P.C.

PREPARED AND RECOMMENDED BY:
SHEETS 1 TO 66, 72 TO 76, 79 TO 94
Christina M. Winkler, PC DATE 09/25/2025
JMT OF NEW YORK, INC.
JMT.



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

FISCAL SHARE	COST(S)

INSPECTION FIRM CONSULTANT STAMP: _____

RECOMMENDED BY: *[Signature]* 10/7/25
DIRECTOR, OFFICE OF DESIGN

DocuSigned by:
Phil Serafino October 9, 2025
DIVISION DIRECTOR
BD37459BF08F47B...

DocuSigned by:
Rochele Hosley October 7, 2025
TRAFFIC ENGINEER
A7201EA3D452495...

DocuSigned by:
Charles Whetstone October 7, 2025
DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT
4BC1093E37334B1...

DocuSigned by:
Kevin Wisely October 9, 2025
DIRECTOR OF MAINTENANCE AND OPERATIONS
535D05A3AB80460...

APPROVED BY: *[Signature]* 10/7/25
CHIEF ENGINEER

REVIEWED BY: *[Signature]*
PROJECT MANAGER: *[Signature]*
BUREAU DIRECTOR: *[Signature]*
FILE NAME = #FILES#
DATE/TIME = #DATE# #TIME#
USER = #USER#

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 02-OCT-2025 15:31
 DESIGN
 R. JABLONSKI
 CHECK
 M. COLLINGWOOD
 DRAFTING
 T. BURTNICK
 CHECK
 M. COLLINGWOOD
 USER = jmtpr11-pr-svc

ALIGNMENT		TOPOGRAPHY (MISCELLANEOUS)	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AH	AHEAD	ABUT	ABUTMENT
AZ	AZIMUTH	AOBE	AS ORDERED BY ENGINEER
BK	BACK	ASPH	ASPHALT
BL	BASELINE	BDY	BOUNDARY
BRG	BEARING	BLDG	BUILDING
CL	CENTERLINE	BM	BENCH MARK
CS	CURVE TO SPIRAL	CC	CENTER TO CENTER
e	SUPERELEVATION RATE (CROSS SLOPE)	CONC	CONCRETE
EQ	EQUALITY	CONST	CONSTRUCTION
EXT	EXTERNAL	CR	COUNTY ROAD
HCL	HORIZONTAL CONTROL LINE	D	DEED DISTANCE
HSD	HEADLIGHT SIGHT DISTANCE	DM	DIRECT MEASUREMENT
L	LENGTH OF CIRCULAR CURVE	DWY	DRIVEWAY
LS	LENGTH OF SPIRAL	EP	EDGE OF PAVEMENT
LVC	LENGTH OF VERTICAL CURVE	ES	EDGE OF SHOULDER
E	CENTER CORRECTION OF VERTICAL CURVE	FEE	FEE ACQUISITION
M	MAIN LINE	FEE WO/A	FEE ACQUISITION WITHOUT ACCESS
PC	POINT OF CURVATURE	FP	FENCE POST
PI	POINT OF INTERSECTION	FD	FOUNDATION
POL	POINT ON LINE	FL	FENCE LINE
PSD	PASSING SIGHT DISTANCE	GAR	GARAGE
PT	POINT OF TANGENT	GR	GRAVEL
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)			
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
BB	BOTTOM OF BANK (STREAM)	R	PROPERTY LINE
BC	BOTTOM OF CURB	POR	PORCH
BO	BOTTOM OF OPENING	RR	RAILROAD
CAP	CORRUGATED ALUMINUM PIPE	RTE	ROUTE
CB	CATCH BASIN	ROW	RIGHT OF WAY
CIP	CAST IRON PIPE	RW	RETAINING WALL
CL STRM	CENTERLINE OF STREAM	SH	STATE HIGHWAY
CMP	CORRUGATED METAL PIPE	SHLDR	SHOULDER
CP	CONCRETE PIPE	SPK	SPIKE
CSP	CORRUGATED STEEL PIPE	ST	STREET
CULV	CULVERT	STK	STAKE
DIA	DIAMETER	STY	STORY
DMH	DRAINAGE MANHOLE	SW	SIDEWALK
DS	DRAINAGE STRUCTURE PIPE	TE	TEMPORARY EASEMENT
D'XING	DITCH CROSSING	TO	TEMPORARY OCCUPANCY
EHW	EXTREME HIGH WATER	U/G	UNDERGROUND
EL	ELEVATION	WW	WING WALL
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		

TOPOGRAPHY (MISCELLANEOUS)		UTILITIES	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
ABUT	ABUTMENT	E	ELECTRIC
AOBE	AS ORDERED BY ENGINEER	EMH	ELECTRIC MANHOLE
ASPH	ASPHALT	G	GAS
BDY	BOUNDARY	GP	GUY POLE
BLDG	BUILDING	GSB	GAS SERVICE BOX (HOUSE LINE)
BM	BENCH MARK	GV	GAS VALVE (MAIN LINE)
CC	CENTER TO CENTER	HYD	HYDRANT
CONC	CONCRETE	LP	LIGHT POLE
CONST	CONSTRUCTION	LPG	LOW PRESSURE GAS
CR	COUNTY ROAD	PP	POWER POLE
D	DEED DISTANCE	SA	SANITARY SEWER
DM	DIRECT MEASUREMENT	SMH	SANITARY MANHOLE
DWY	DRIVEWAY	ST	STORM SEWER
EP	EDGE OF PAVEMENT	T	TELEPHONE
ES	EDGE OF SHOULDER	TCB	TRAFFIC CONTROL BOX
FEE	FEE ACQUISITION	TELBOX	TELEPHONE BOX
FEE WO/A	FEE ACQUISITION WITHOUT ACCESS	TEL P	TELEPHONE POLE
FP	FENCE POST	TMH	TELEPHONE MANHOLE
FD	FOUNDATION	CTV	CABLE TELEVISION
FL	FENCE LINE	W	WATER
GAR	GARAGE	WSB	WATER SERVICE BOX (HOUSE LINE)
GR	GRAVEL	WV	WATER VALVE (MAIN LINE)
HO	HOUSE		
HWY	HIGHWAY		
IP	IRON PIN OR IRON PIPE		
MB	MAILBOX		
MON	MONUMENT		
N&W	NAIL AND WASHER		
OG	ORIGINAL GROUND		
O/H	OVERHEAD		
P	PARCEL		
PAV'T	PAVEMENT		
PE	PERMANENT EASEMENT		
PED POLE	PEDESTRIAN POLE		
R	PROPERTY LINE		
POR	PORCH		
RR	RAILROAD		
RTE	ROUTE		
ROW	RIGHT OF WAY		
RW	RETAINING WALL		
SH	STATE HIGHWAY		
SHLDR	SHOULDER		
SPK	SPIKE		
ST	STREET		
STK	STAKE		
STY	STORY		
SW	SIDEWALK		
TE	TEMPORARY EASEMENT		
TO	TEMPORARY OCCUPANCY		
U/G	UNDERGROUND		
WW	WING WALL		

SUBSURFACE EXPLORATION	
ABBR.	DESCRIPTION
REPLACE ABBREVIATION "AB" WITH:	
AH	HAND AUGER
CP	CONE PENETROMETER
DA	2 1/4 INCHES CASED DRILL HOLE
DM	DRILLING MUD
DN	4 INCHES CASED 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

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

INDEX		TOTAL NUMBER OF SHEETS: 97
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
1	TITLE SHEET	COVER
2	INDEX AND ABBREVIATIONS	IND-01
3-4	LEGEND	LEG-01 TO LEG-02
5	GENERAL NOTES	GNN-01
6-8	TYPICAL SECTIONS	TYP-01 TO TYP-02
9	STANDARD SHEETS	SS-01
10	TRAFFIC CONTROL NOTES	TC-01
11	TRAFFIC CONTROL DETOUR PLAN	TC-02
12-13	TRAFFIC CONTROL TYPICAL SECTIONS	TC-03 TO TC-04
14-20	TRAFFIC CONTROL ABUTMENT PROTECTION	TC-05 TO TC-11
21-27	TRAFFIC CONTROL PIER PROTECTION	TC-12 TO TC-18
28-29	SURVEY CONTROL DATA	SCD-01 TO SCD-02
30	MAINTENANCE JURISDICTION PLAN	MJP-01
31	MISCELLANEOUS TABLES	MST-01
32	MISCELLANEOUS DETAILS	MSD-01
33-34	EARTHWORK SUMMARY SHEETS	ESS-01 TO ESS-02
35-38	GENERAL PLANS	GNP-01 TO GNP-04
39-42	PROFILES	PRO-01 TO PRO-04
43-46	PAVEMENT MARKING PLANS	PMP-01 TO PMP-04
47	STORMWATER TREATMENT DETAILS	SMD-01
48-49	STORMWATER TREATMENT PLANS AND PROFILES	SMP-01 TO SMP-02
50-53	EROSION CONTROL PLANS	ECP-01 TO ECP-04
54-97	BRIDGE PLANS	ST-01 TO ST-44

NOTE: ADDITIONAL INDEX OF DRAWINGS ON ST-4.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



NEW YORK STATE
Thruway Authority



TITLE OF PROJECT
REPLACEMENT OF MALDEN TURNPIKE (CR 34)
BRIDGE OVER I-87

LOCATION OF PROJECT
ALBANY DIVISION
MP 103.16

TITLE OF DRAWING
INDEX AND ABBREVIATIONS

CONTRACT NUMBER:
TAA-25-27B

DATE:
10/02/2025

DRAWING NUMBER:
IND-01

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		LAWL	AREA, WATERS EDGE		RGC	GUIDE RAIL, CABLE	UTILITIES			
	BSHT	SHEET PILING		LCUT_P	CUT LIMIT		RGCB	GUIDE RAIL, CONCRETE BARRIER		UC	CONDUIT, UNDERGROUND	
CONTROL				LFILL_P	FILL LIMIT		RGP_P	GUIDE POST		UCH	CONDUIT, HANGING	
	CB	BASELINE		LFNC	FENCE		RGW	GUIDE RAIL, W BEAM		UCO	CONDUIT, OVERHEAD	
	CBPR	BASELINE, PROJECTION		LTRC	TREE ROW, CONIFEROUS		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UE	ELECTRIC LINE, UNDERGROUND	
DRAINAGE				LTRD	TREE ROW, DECIDUOUS		RPB	PARKING BUMPER		UEH	ELECTRIC LINE, HANGING	
	DCP	CULVERT PIPE		LWH	WALL, H PILE		RRC	RAIL ROAD, CATENARY		UEO	ELECTRIC LINE, OVERHEAD	
	DCP_P	CULVERT PIPE (DIR)		LWR	WALL, RETAINING		RRER	RAIL ROAD, 3RD RAIL		UETO	ELECTRIC TRANSMISSION, OVERHEAD	
	DDG_P	DITCH, GRASS LINED		LWS	WALL, STONE		RRPLS_P	RAIL, PHOTO, LARGE SCALE		UESS	ELECTRIC, SUBSTATIONS	
	DDP_P	DITCH, PAVED INVERT	ROW MAPPING				RRPSS	RAIL, PHOTO, SMALL SCALE		UFO	FIBER OPTIC, UNDERGROUND	
	DDS_P	DITCH, STONE LINED		MDL	DEED LINE		RRS	RUMBLE STRIP		UFOH	FIBER OPTIC, HANGING	
	DFL_P	FLOW LINE		MEE	EASEMENT, EXISTING		RRSLS_P	RAIL, SURVEY, LARGE SCALE		UFOO	FIBER OPTIC, OVERHEAD	
	DSSD	SLOTTED DRAIN		MEP_P	EASEMENT, PERMANENT		RRSS	RAIL, SURVEY, SMALL SCALE		UG	GAS, UNDERGROUND	
	DUD_P	UNDERDRAIN		MEPA_P	EASEMENT, PERMANENT, APPROX.		RRSSS	RAIL, SURVEY, SMALL SCALE		UGH	GAS, HANGING	
ENVIRONMENTAL				MET_P	EASEMENT, TEMPORARY	SIGNS				UGO	GAS, OVERHEAD	
	EBLHS	BALE, STRAW		META_P	EASEMENT, TEMPORARY, APPROX.		SBLB	BILLBOARDS		UIC	INFORM CABLE, UNDERGROUND	
	ECT	CURTAIN, TURBIDITY		MF_P	FEE ACQUISITION, W/ ACCESS		SM	MULTIPLE POST		UICH	INFORM CABLE, HANGING	
	EDMC	DAM, COFFER		MFA_P	FEE ACQUISITION, APPROXIMATE		SSO	STRUCTURE, OVERHEAD		UO	OIL LINE, UNDERGROUND	
	EDMEC_P	DAM, EARTHEN CHECK		MFS_P	FEE ACQUISITION, SHAPE		SSOC	STRUCTURE, OVHD. CANTILEVER		UOH	OIL LINE, HANGING	
	EDMGSC_P	DAM, GRAVEL BAG/SAND BAG CHECK		MFWOA_P	FEE ACQUISITION, W/O ACCESS	STRIPING				UPBP	POLE, BRACE, PUSH BRACE	
	EDMPC_P	DAM, PREFABRICATED CHECK		MHA	HISTORICAL, ACQUISITION		STB*	BROKEN LINE		UPGW	POLE, GUY WIRE	
	EDMSC_P	DAM, STONE CHECK		MHB	HIGHWAY BOUNDARY		STDB*	DOUBLE BROKEN LINE		USA	SANITARY SEWER, UNDERGROUND	
	EFNS	FENCE, SILT		MHBA	HIGHWAY BOUNDARY, APPROX.		STDL*	DOTTED LINE LONG		USAH	SANITARY SEWER, HANGING	
	EFNSV	FENCE, SILT & VEGETATION		MHBW	HWY BOUNDARY, FACE OF WALL		STDS*	DOTTED LINE SHORT		USAF	SANITARY SEWER, FORCE MAIN, UGND	
	EFNV	FENCE, VEGETATION		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STFB*	FULL BARRIER LINE		USAFH	SANITARY SEWER, FORCE MAIN, HANG	
	EWAA_P	WETLAND, ADJACENT AREA		MJC	JURISDICTION, CITY		STH*	HATCH LINE		UT	TELEPHONE, UNDERGROUND	
	EFW	WETLAND, FEDERAL		MJCY	JURISDICTION, COUNTY		STP*	PARTIAL BARRIER LINE		UTH	TELEPHONE, HANGING	
	EFWS	WETLAND, FEDERAL AND STATE		MJHD	JURISDICTION, HISTORIC DISTRICT		STRCT	ROUNDAABOUT, CAT TRACKS		UTO	TELEPHONE, OVERHEAD	
	EFWS	WETLAND, FEDERAL AND STATE		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STRYL	ROUNDAABOUT, YIELD LINE		UTV	CABLE TV, UNDERGROUND	
	EFWS	WETLAND, FEDERAL AND STATE		MJN	JURISDICTION, NATION		STSB	STOP BAR		UTVH	CABLE TV, HANGING	
	EFWS	WETLAND, FEDERAL AND STATE		MJPB	JURISDICTION, PUBLIC LANDS		STSE*	SOLID, EDGE		UTVO	CABLE TV, OVERHEAD	
	EFWS	WETLAND, FEDERAL AND STATE		MJS	JURISDICTION, STATE		STXL	X WALK, LADDER LINE		UUU	UNKNOWN, UNDERGROUND	
	EFWS	WETLAND, FEDERAL AND STATE		MJT	JURISDICTION, TOWN		STXLB	X WALK, LADDER BAR LINE		UJH	UNKNOWN, HANGING	
	EFWS	WETLAND, FEDERAL AND STATE		MJV	JURISDICTION, VILLAGE		* = W (WHITE) OR Y (YELLOW)				UUO	UNKNOWN, OVERHEAD
	EFWS	WETLAND, FEDERAL AND STATE		MPL	PROPERTY LOT LINE	TRAFFIC CONTROL					UW	WATER LINE, UNDERGROUND
	EFWS	WETLAND, FEDERAL AND STATE		MPLA	PROPERTY LOT LINE, APPROXIMATE		TCSW	SIGNAL, SPAN WIRE		UWH	WATER LINE, HANGING	
	EFWS	WETLAND, FEDERAL AND STATE		MSL	SUB LOT LINE						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 MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING LEGEND - LINE SYMBOLOGY	DRAWING NUMBER: LEG-01

USER = jmtpr11-pr-svc
 DATE/TIME = 02-OCT-2025 15:31
 FILE NAME =
 DESIGN SUPERVISOR
 M. COLLINGWOOD
 CHECK
 R. JABLONSKI
 DRAFTING
 T. BURTNICK
 CHECK
 M. COLLINGWOOD
 M. COLLINGWOOD

FILE NAME = DATE/TIME = 02-OCT-2025 15:31 DESIGN SUPERVISOR M. COLLINGWOOD R. JABLONSKI M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmtpr11-pr-svc

Main legend table with columns: ALIGNMENT, DRAINAGE, ITS, ROW MAPPING, SIGNS, UTILITIES. Each column contains symbols and their corresponding descriptions.

- 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.).
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REVISIONS table with columns: DATE, DESCRIPTION, BY, SYM.

Project information including logos for New York State Thruway Authority and JMT, and project details like 'REHABILITATION OF I-87 BRIDGES OVER ROUTE 202 (WAYNE AVE.)', 'NEW YORK DIVISION MP 29.41 AND MP 29.54', 'LEGEND - POINT SYMBOLOGY', 'TAA-25-27B', '10/02/2025', 'LEG-2'.

GENERAL HIGHWAY NOTES

- CURRENT NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND NYS SUPPLEMENT SHALL BE IN EFFECT FOR THIS PROJECT.
- ADDITIONAL NOTES MAY BE FOUND ON SUBSEQUENT DRAWINGS. SUCH NOTES, WHILE PERTAINING TO THE SPECIFIC DRAWING THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF THE WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITION MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FIELD CONDITIONS AND AS ORDERED BY THE ENGINEER (AOBE).
- THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING CONDITIONS AND DIMENSIONS WITH THOSE SHOWN ON THE PLANS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS, AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS AS APPROVED BY THE ENGINEER.
- THERE SHALL BE NO CLAIM AGAINST THE NYSTA BY THE CONTRACTOR FOR WORK PERTAINING TO MODIFICATIONS AS MAY BE REQUIRED DUE TO ANY DIFFERENCE BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN BY THE DETAILS AND DIMENSIONS ON THE CONTRACT PLANS. THE CONTRACTOR WILL BE PAID AT THE UNIT BID PRICE FOR THE ACTUAL QUANTITIES OF MATERIALS USED OR FOR THE WORK PERFORMED, AS INDICATED BY THE VARIOUS ITEMS INDICATED IN THE CONTRACT.
- AT ALL TIMES, THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE OF SURFACE RUNOFF FROM THE TRAVEL LANES AND CONTROL OF THE RUNOFF TO PREVENT EROSION, POLLUTION, SEDIMENTATION OR OTHER DISCHARGES WHICH WOULD AFFECT PROPERTIES ADJACENT TO THE WORK SITE. ALL MEASURES TAKEN TO PROVIDE POSITIVE DRAINAGE SHALL BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.
- 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 AOBE AND PAYMENT SHALL BE MADE AT THE UNIT BID PRICE FOR THE APPROPRIATE ITEMS.
- NO PAYMENT SHALL BE MADE FOR WORK CALLED FOR BY NOTES ON THE PLANS, IN THE SPECIFICATIONS, OR UNDER THE HEADING GENERAL NOTES UNLESS PAYMENT IS SPECIFICALLY INDICATED BY ITEM NUMBER. THE COST OF WORK FOR WHICH NO PAYMENT IS INDICATED SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS IN THE CONTRACT.
- WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA AND SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THOSE ITEMS.
- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORTS, BRACING OR OTHER DEVICES THAT MAY BE REQUIRED OR THAT MAY BE DIRECTED BY THE ENGINEER TO PROTECT THE SAFETY OF ADJACENT STRUCTURES, ROADWAYS OR THE VARIOUS ITEMS IN THE CONTRACT. NO SEPARATE PAYMENT SHALL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR GUARDING AND PROTECTING ALL OPEN EXCAVATION IN ACCORDANCE WITH THE PROVISION OF SECTION 107.05 "SAFETY & HEALTH REQUIREMENTS" OF THE NYS DOT STANDARD SPECIFICATIONS. IN ADDITION, A MINIMUM OF 1-INCH THICK PLATE WILL BE REQUIRED AT ALL EXCAVATIONS THAT ARE TO BE COVERED AOBE. THE PLATES SHALL BE SECURELY FASTENED DOWN TO THE SATISFACTION OF THE ENGINEER AND SHALL BE STRUCTURALLY CAPABLE OF CARRYING ALL IMPOSED LOADS. THE COST SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- THE CONTRACTOR SHALL KEEP ALL DRAINAGE FACILITIES, WITHIN THE CONTRACT LIMITS, CLEAN AND FULLY OPERATIONAL AT ALL TIMES. THIS WORK SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONSTRUCTION PRACTICES, ALL OPERATIONS IN THE AFFECTED AREA SHALL BE DISCONTINUED AND IMMEDIATE ACTIONS SHALL BE TAKEN TO CORRECT THE SITUATION TO THE SATISFACTION OF THE ENGINEER BEFORE WORK IS RESUMED.
- THE CONTRACTOR SHALL BE REQUIRED TO PROTECT HIS WORKERS AT ALL TIMES IN CONFORMANCE WITH APPLICABLE OSHA REGULATIONS.
- PROTECTION OF THE PUBLIC: THE CONTRACTOR SHALL MAINTAIN AND PROTECT THRUWAY TRAFFIC IN ACCORDANCE WITH SECTION 619, 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 STANDARD SPECIFICATION.
- THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS AND AUTHORITY MAINTENANCE FORCES AND SCHEDULE HIS OPERATIONS SO AS TO CAUSE A MINIMUM DISRUPTION TO TRAFFIC.
- THERE IS NO IDENTIFIED SPOIL AREA WITHIN THE THRUWAY AUTHORITY'S RIGHT-OF-WAY FOR THIS CONTRACT. THEREFORE, THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIAL AND WASTE FROM THRUWAY AUTHORITY (AUTHORITY) PROPERTY. THE CONTRACTOR SHALL BID ACCORDINGLY FOR THIS CONDITION.

ENVIRONMENTAL NOTES:

- ACTIVITIES MUST BE CONDUCTED IN A MANNER TO PREVENT DISTURBANCE AND DISCHARGE OF POLLUTANTS TO SURFACE WATERS. PLACEMENT OF FILL AND APPROPRIATE SEDIMENTATION AND EROSION CONTROL MEASURES DURING CONSTRUCTION SHALL PREVENT DISCHARGE TO SURFACE WATERS.

EROSION & SEDIMENT CONTROL NOTES:


- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE SOIL IS STABILIZED WITH SEEDING AND/OR MULCH.
- THE LOCATIONS OF EROSION AND SEDIMENT CONTROL MEASURES, AS INDICATED ON THE EROSION CONTROL PLANS, MAY REQUIRE FIELD ADJUSTMENT DEPENDING UPON THE SEQUENCE OF CONSTRUCTION ACTIVITIES, CONSTRUCTION METHODS, AND/OR ACTUAL FIELD CONDITIONS. THE ENGINEER SHALL BE NOTIFIED OF ANY SIGNIFICANT FIELD CHANGES TO THE EROSION AND SEDIMENT CONTROL MEASURES INDICATED IN THE PLANS.
- STORM WATER FROM DISTURBED AREAS MUST BE ALLOWED TO SETTLE (VIA A SEDIMENT TRAP) OR PASS THROUGH AN APPROPRIATE SEDIMENT CONTROL DEVICE BEFORE DISCHARGE BEYOND DISTURBED AREAS OR INTO INLETS OF OTHER DRAINAGE SYSTEMS.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL DEVICES.
- REFER TO NYS DOT STANDARD SHEETS 209-01 THROUGH 209-07 FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION, INSTALLATION, AND INSPECTION REQUIREMENTS OF SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- ANY SEDIMENT TRAPPED BEHIND EROSION CONTROL MEASURES MUST BE REMOVED PRIOR TO REMOVAL OF THE EROSION CONTROL DEVICE.
- MINIMIZE EXPOSED SOILS WHEREVER POSSIBLE. THIS CAN BE ACCOMPLISHED THROUGH PROPER CONSTRUCTION SEQUENCING AND USE OF MULCH AND TEMPORARY SEEDING.
- THE CONTRACTOR SHALL INITIATE STABILIZATION MEASURES (I.E., JUTE MESH, SEED OR MULCH) AS SOON AS PRACTICABLE IN AREAS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT NO MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
- CLEARING AND GRUBBING SHALL BE LIMITED TO NO MORE THAN NECESSARY BEYOND THE REQUIRED GRADING LIMITS, UNLESS DIRECTED OTHERWISE. CLEARING AND GRUBBING SHALL BE PAID UNDER ITEM 201.06.
- ALL STORM DRAINAGE OUTLETS SHALL BE STABILIZED BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.

UTILITY NOTES

- LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED ON THE PLANS AS EXISTING AND/OR TO BE CONSTRUCTED ARE APPROXIMATE ONLY. THEIR EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT OPERATIONS AND TAKE NECESSARY PRECAUTIONS SUCH THAT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION IS PREVENTED. PRIOR TO ANY EXCAVATION, THE CONTRACTOR IS TO CALL UDIG NY TO HAVE UNDERGROUND UTILITIES LOCATED, 1-800-962-7962 OR 811. CONTRACTOR SHALL BE RESPONSIBLE TO CONDUCT EXPLORATORY TEST PITS AS MAY BE REQUIRED TO DETERMINE UNDERGROUND CONDITIONS, THE COST OF WHICH SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 206.05 -TEST PITS. A QUANTITY OF 4 TEST PITS HAS BEEN INCLUDED IN THE CONTRACT. THE NEED FOR TEST PIT EXCAVATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATING.
- IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE, CAUSING THE INTERRUPTION IN SAID SERVICE, THE CONTRACTOR SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SERVICE AND MAY NOT CEASE WORK UNTIL SERVICE IS RESTORED. ALL COSTS TO REPAIR OR REPLACE DAMAGED UTILITIES SHALL BE AT THE EXPENSE OF THE CONTRACTOR. IF THE CONTRACTOR DOES NOT MAKE IMMEDIATE NECESSARY REPAIRS, THE RESPECTIVE OWNING COMPANIES OR MUNICIPAL FORCES MAY DO THE WORK, AND THE COST THEREOF CHARGED AGAINST THE CONTRACTOR.
- PRIVATE UTILITY COMPANIES ARE ALSO REQUIRED TO ALTER/RELOCATE THEIR FACILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL LAY OUT THE PROJECT CENTERLINE AND OTHER FEATURES TO PROVIDE THE UTILITY COMPANIES WITH SUFFICIENT INFORMATION TO ALTER/RELOCATE THEIR FACILITIES. THE COST OF THIS WORK SHALL BE INCLUDED UNDER ITEM 625.01. ALTERATIONS/RELOCATIONS OF UTILITIES MAY NOT ALL BE SHOWN IN THE CONTRACT PLANS. ADDITIONAL ALTERATIONS/RELOCATIONS MAY BE REQUIRED BY THEIR RESPECTIVE OWNERS.

FIBER OPTIC LINE NOTES

- THE THRUWAY'S FIBER OPTIC LINES ARE LOCATED WITHIN THE ENTIRE WORK LIMITS OF THIS PROJECT. THE APPROXIMATE LOCATION IS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS ADVISED TO CONTACT UDIG NY 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 DUG TEST HOLES AT ONE OR MORE LOCATIONS WITHIN THE WORK AREA PRIOR TO ANY EXCAVATION.
- CONTRACTOR SHALL COORDINATE FIBER OPTIC RELOCATIONS WITH ADESTA, AN ALLIED UNIVERSAL COMPANY, LLC. CONTACT ANDY CONKLIN AT 518-869-5053.

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: 

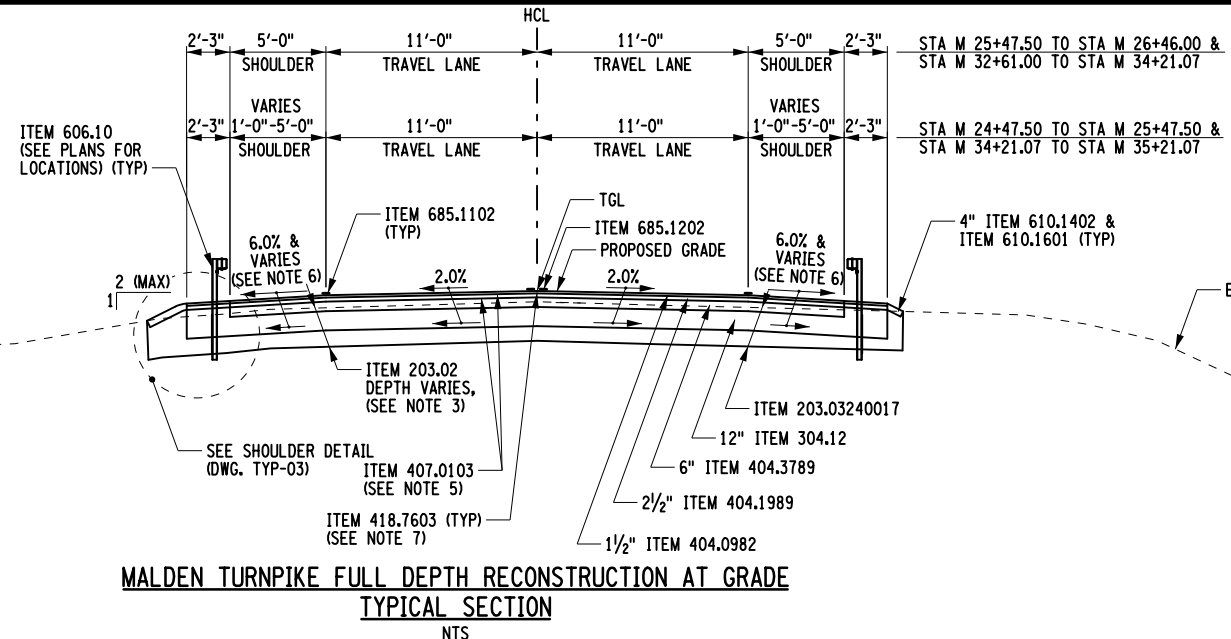
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



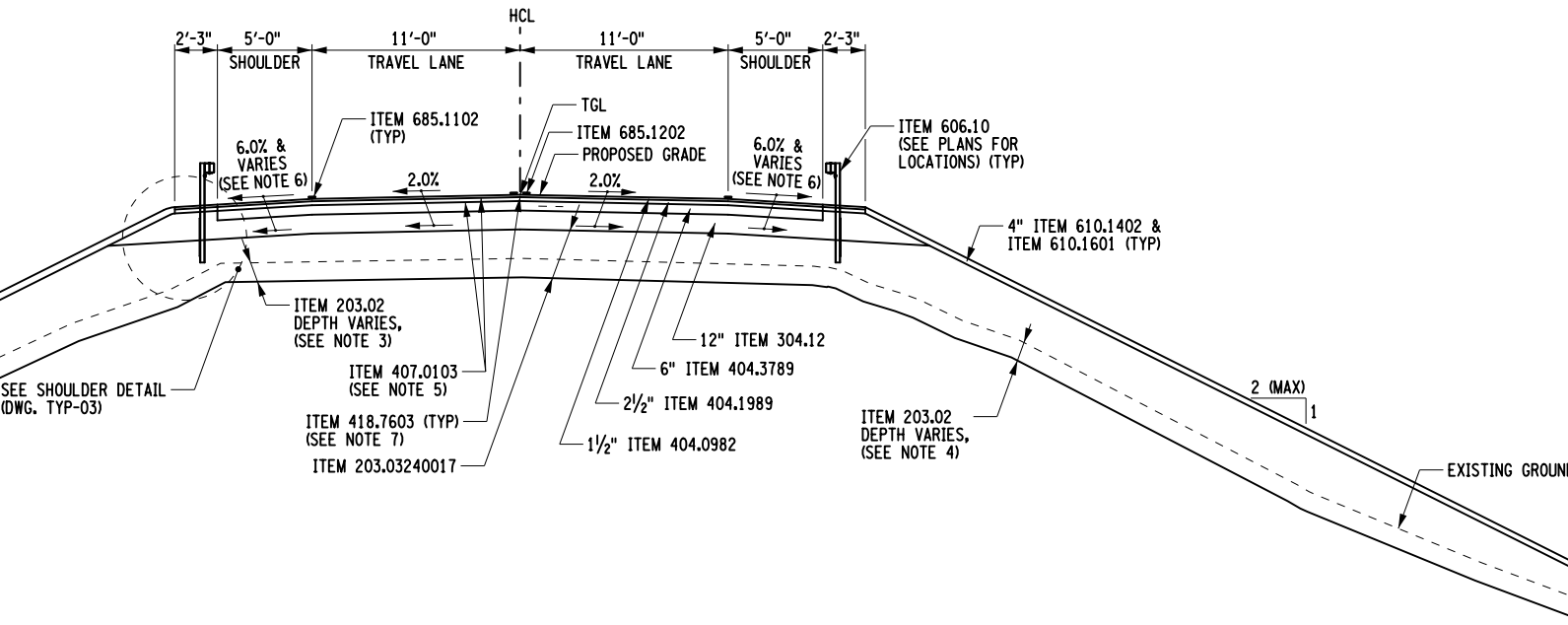
TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING GENERAL NOTES	DRAWING NUMBER: GNN-01

USER = jmtpr11-pr-svc
 DATE/TIME = 02-OCT-2025 15:32
 FILE NAME =
 DESIGN SUPERVISOR M. COLLINGWOOD
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING
 CHECK T. BURTRICK
 M. COLLINGWOOD
 CHECK
 T. COLLINGWOOD



MALDEN TURNPIKE FULL DEPTH RECONSTRUCTION AT GRADE
TYPICAL SECTION
NTS

STA M 24+47.50 TO M 26+46.00
STA M 32+61.00 TO M 35+21.07



MALDEN TURNPIKE FULL DEPTH RECONSTRUCTION ABOVE GRADE
TYPICAL SECTION
NTS

STA M 26+46.00 TO M 27+85.30
STA M 30+52.97 TO M 32+61.00

NOTES

- THE EXISTING GROUND SHALL BE EXCAVATED TO VARIOUS DEPTHS ALONG THE CORRIDOR. ALL EXCAVATED MATERIAL SHALL BE DEEMED UNSUITABLE, AND BACKFILLED WITH ITEM 203.03240017. THE LEFT AND RIGHT EMBANKMENT, AND THE ROADWAY SECTION, SHALL BE REFERRED TO AS SUCH. DEPTHS GIVEN ARE MEASURED FROM EXISTING GRADE.
- LEFT EMBANKMENT

FROM STATION	TO STATION	DEPTH
M 26+46.00	M 27+25.00	1'-6"
M 27+50.00	M 28+00.00	2'-0"
M 30+50.00	M 31+25.00	2'-0"
M 31+50.00	M 32+61.00	1'-6"
- ROADWAY SECTION

FROM STATION	TO STATION	DEPTH
M 24+50.00	M 28+00.00	1'-6"
M 30+50.00	M 31+50.00	2'-0"
M 31+75.00	M 35+25.00	1'-6"
- RIGHT EMBANKMENT

FROM STATION	TO STATION	DEPTH
M 26+46.00	M 27+25.00	1'-0"
M 27+50.00	M 28+00.00	1'-6"
M 30+25.00	M 30+50.00	2'-0"
M 30+75.00	M 31+75.00	1'-6"
M 32+00.00	M 32+61.00	1'-0"
- STRAIGHT TACK COAT, ITEM 407.0103, IS TO BE APPLIED TO ALL NEW ASPHALT SURFACES.
- SHOULDER CROSS SLOPE SHALL TRANSITION FROM 6% TO 2% OVER 50FT AT THE APPROACH SLABS.
- ASPHALT JOINT ADHESIVE, ITEM 418.7603, SHALL BE USED ON VERTICAL FACES FOR ALL THE JOINTS ON THE SURFACE COURSE SUCH AS LONGITUDINAL, TRANSVERSE, CURBS OR OTHER JOINTS ABUTTING NEW ASPHALT PAVEMENT.

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	606.10	BOX BEAM GUIDE RAIL	LF
203.03240017	LIGHTWEIGHT EMBANKMENT IN PLACE (45 PCF) LOOSE DENSITY	CY	610.1402	TOPSOIL - ROADSIDE	CY
304.12	SUBBASE COURSE, TYPE 2	CY	610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
404.0982	9.5 F2 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON	685.1102	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF
404.1989	19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON	685.1202	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF
404.3789	37.5 F9 BASE COURSE ASPHALT, 80 SERIES COMPACTION	TON			
407.0103	STRAIGHT TACK COAT	GAL			
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF			

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING TYPICAL SECTION	DRAWING NUMBER: TYP-01

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 DESIGN SUPERVISOR
 DATE/TIME = 02-OCT-2025 15:35
 DESIGN
 R. JABLONSKI
 CHECK
 M. COLLINGWOOD
 DRAFTING
 T. BURTNICK
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 M. COLLINGWOOD
 USER = jmpw11-pr-svc

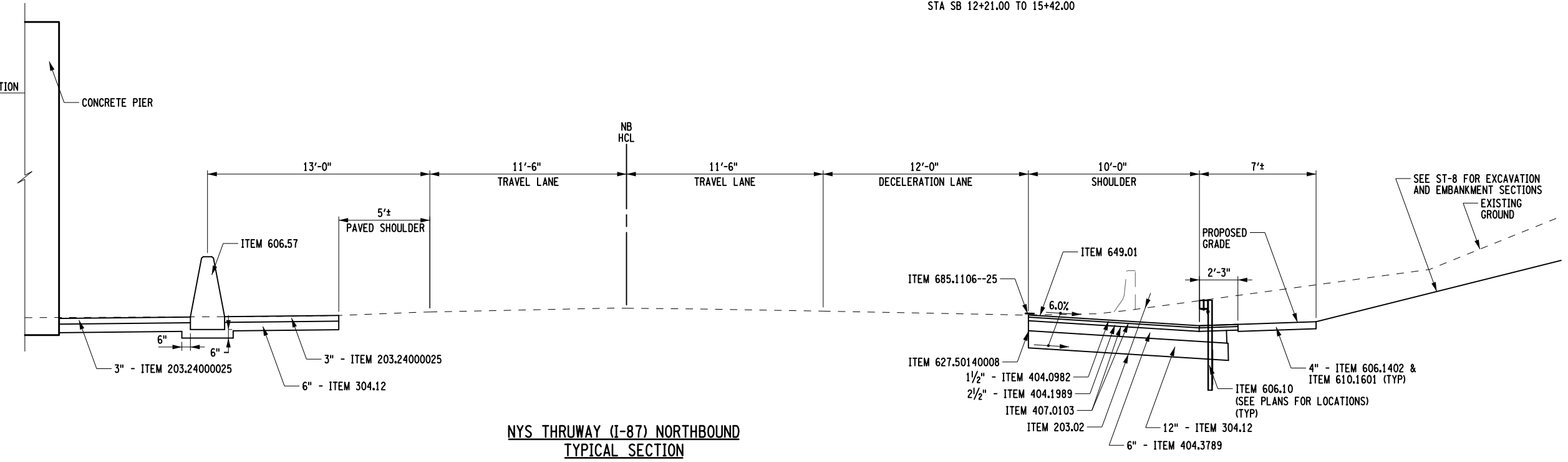
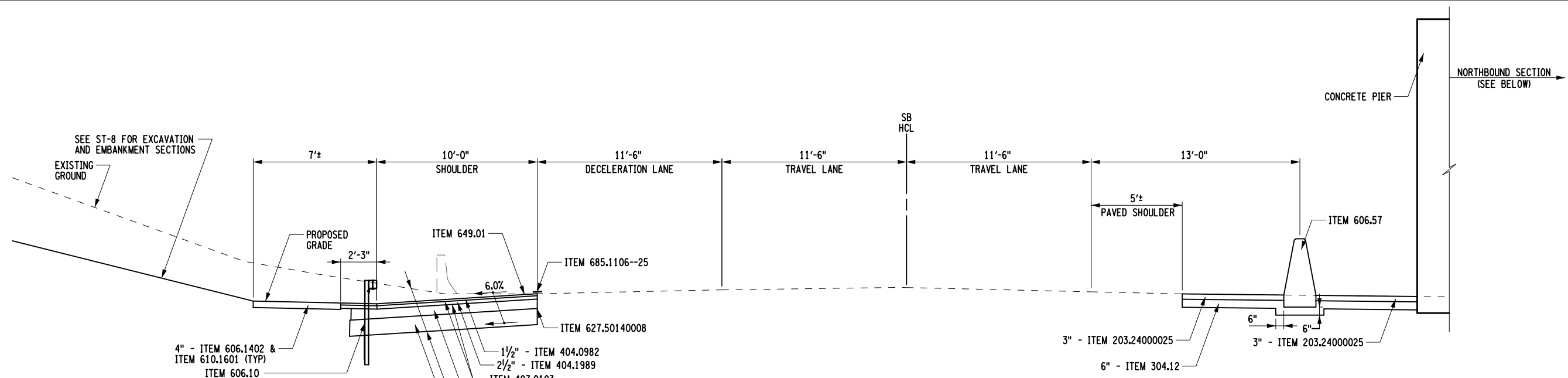
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AFFIXED ON: 10/02/2025

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SIGNATURE: MATTHEW WAYNE COLLINGWOOD
STAMP:

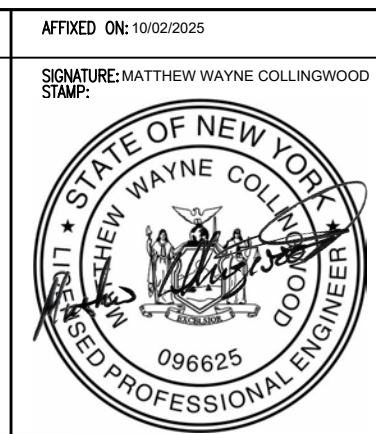
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ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT	NOTES
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	606.10	BOX BEAM GUIDE RAIL	LF	1. STRAIGHT TACK COAT, ITEM 407.0103, IS TO BE APPLIED TO ALL NEW ASPHALT SURFACES.
203.24000025	SHOULDER BACKUP MATERIAL	TON	606.57	RESETTING PRECAST CONCRETE BARRIER	LF	
304.12	SUBBASE COURSE, TYPE 2	CY	610.1402	TOPSOIL - ROADSIDE	CY	
404.0982	9.5 F2 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON	610.1601	TURF ESTABLISHMENT - ROADSIDE	SY	2. ASPHALT JOINT ADHESIVE, ITEM 418.7603, SHALL BE USED ON VERTICAL FACES FOR ALL THE JOINTS ON THE SURFACE COURSE SUCH AS LONGITUDINAL, TRANSVERSE, CURBS OR OTHER JOINTS ABUTTING NEW ASPHALT PAVEMENT.
404.1989	19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON	627.50140008	CUTTING PAVEMENT	LF	
404.3789	37.5 F9 BASE COURSE ASPHALT, 80 SERIES COMPACTION	TON	649.01	MILLED IN AUDIBLE ROADWAY DELINEATORS (MIARDS)	LF	3. EXISTING GUIDE RAIL SHALL BE REMOVED UNDER THEIR RESPECTIVE ITEMS AS SHOWN ON THE GENERAL PLANS AND SHEET MST-01.
407.0103	STRAIGHT TACK COAT	GAL	685.1106--25	WHITE EPOXY REFLECTORIZED	LF	
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF		PAVEMENT STRIPES 6 IN X 20 MILS	LF	

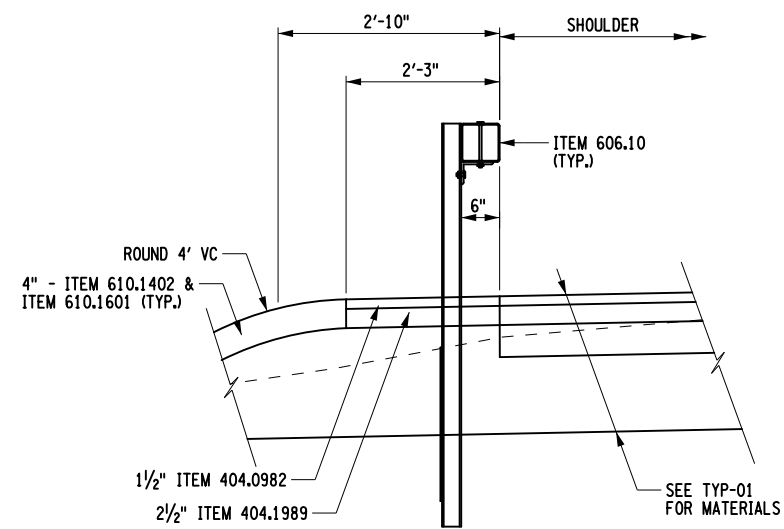
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING TYPICAL SECTION	DRAWING NUMBER: TYP-02

FILE NAME = DATE/TIME = 02-OCT-2025 15:31 DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmtpr11-pr-svc



SHOULDER DETAIL
NTS

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT	NOTES
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	606.10	BOX BEAM GUIDE RAIL	LF	1. STRAIGHT TACK COAT, ITEM 407.0103, IS TO BE APPLIED TO ALL NEW ASPHALT SURFACES. 2. SHOULDER CROSS SLOPE SHALL TRANSITION FROM 6% TO 2% OVER 50FT AT THE APPROACH SLABS. 3. ASPHALT JOINT ADHESIVE, ITEM 418.7603, SHALL BE USED ON VERTICAL FACES FOR ALL THE JOINTS ON THE SURFACE COURSE SUCH AS LONGITUDINAL, TRANSVERSE, CURBS OR OTHER JOINTS ABUTTING NEW ASPHALT PAVEMENT. 4. EXISTING PAVEMENT SHALL BE REMOVED TO THE EXISTING SUBBASE AND BACK FILLED WITH ITEM 203.03 UP TO THE BOTTOM OF THE PROPOSED SUBBASE. EXISTING SUBBASE SHALL REMAIN.
203.03240017	LIGHTWEIGHT EMBANKMENT IN PLACE (45 PCF) LOOSE DENSITY	CY	610.1402	TOPSOIL - ROADSIDE	CY	
304.12	SUBBASE COURSE, TYPE 2	CY	610.1601	TURF ESTABLISHMENT - ROADSIDE	SY	
404.0982	9.5 F2 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON	627.50140008	CUTTING PAVEMENT	LF	
404.1989	19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON	685.1102	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	
404.3789	37.5 F9 BASE COURSE ASPHALT, 80 SERIES COMPACTION	TON	685.1202	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	
407.0103	STRAIGHT TACK COAT	GAL				
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF				

ALTERED ON: AFFIXED ON: 10/02/2025

SIGNATURE: STAMP: SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP:



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING TYPICAL SECTION	DRAWING NUMBER: TYP-03

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)
	TA 203-02	Slope Flattening Details
	TA 404-01	Highway Pavement Repair Details (Dwg. PRD)
	TA 404-02	Bridge Deck Wearing Course Resurfacing (Dwg. BDR)
	TA 404-03	Overhead Bridge Underclearance Improvement (Dwg. BU)
	TA 603-01	Culvert Extension Details
	TA 605-01	Underdrain Details
	TA 606-01	Modified Thrie Beam (Mod.) Guiderail (Dwg. GR-1)
	TA 606-02	Vacant
	TA 606-03	Corrugated Median Barrier to Corrugated Beam Guide Railing Transition Detail D (Dwg. GR-4)
	TA 606-04	Box Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-5)
	TA 606-05	HPBO (Mod.) Corrugated Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-6)
	TA 606-06	Typical U-Turn Median Rail Layout and Roadway Transverse Section
	TA 606-07	Modified Thrie Beam Guiderail with Rock Rail
	TA 606-08	Transition HPBO Corrugated Beam Median Guide Railing to HPBO Corrugated Beam Guide Railing
	TA 611-01	Living Snow Fences
	TA 614-01	Tree Removal
X	TA 619-01	Work Zone Traffic Control Tables & Legend
X	IA 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
X	TA 619-11	Lane Shift: 65 MPH Zone
	TA 619-12	Single Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-13	Double Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-14	Center Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-15	Lane Shift: 55 MPH Zone
X	TA 619-16	Work Zone Traffic Control at Interchanges, Service Areas and Parking Areas
X	TA 619-17	Work Zone Traffic Control for Miscellaneous Operations
X	TA 619-18	Mobile Lane Closure
	TA 619-19	Mobile Lane Closure: Narrow Shoulder Area
X	TA 619-20	Short-Duration Lane Closure
	TA 619-21	Short-Duration Double Lane Closure
X	TA 619-22	Work Zone Traffic Control Guide for Pavement Striping Operations
X	TA 619-23	Mobile Lane Closure for Pavement Striping Operations
	TA 619-24	Mobile Lane Closure for Pavement Striping Operations: Narrow Shoulder Area
	TA 619-25	Work Zone Traffic Control for Pavement Striping Operations at Interchanges, Service Areas and Parking Areas
	TA 619-26	Temporary Rock Catchment Barrier (Sheets 1-3)
	TA 619-27	Workzone Overhead Gantry Signing
	TA 619-30	New York Division Traffic Management Tables (Sheets 1-28)
X	TA 619-31	Albany Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-32	Albany Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-33	Syracuse Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-34	Syracuse Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-35	Buffalo Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 619-36	Buffalo Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 625-01	ROW and Survey Markers
	TA 645-01	Wrong Way Deterrence Sign
	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)
	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:	103.00						
TO:	103.30						
PROJECT TYPE	X	X	X	X	X	X	X
1R Resurfacing							
2R Resurfacing							
3R Rehabilitation							
Reconstruction							
Safety Improvements							
Drainage							
Rock Slope Remediation							
Pavement Striping							
Other: NEW CONSTRUCTION	X						
PAVEMENT TREATMENT	X	X	X	X	X	X	X
Isolated Pavement Repairs Only							
Thin Overlay without Milling							
Thin Overlay with Milling							
1" Mill & Inlay without Shoulders							
1" Mill & Inlay with Shoulders							
2" Mill & Inlay without Shoulders							
2" Mill & Inlay with Shoulders	X						
Mill to Concrete with 4" Overlay							
Mill to Concrete with 4.5" Overlay							
Mill to Concrete with 5" Overlay							
Crack and Seal with Overlay							
Rubblize with Overlay							
Other: FULL DEPTH	X						

Structure Work Type

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

MILEPOST:	103.16						
PROJECT TYPE	X	X	X	X	X	X	X
Bridge Washing							
Scour Protection							
Channel Cleaning							
Railing System							
Protective Screening							
Painting							
Steel Repair							
Wearing Surface Treatment							
Deck Repairs							
Joint Rehabilitation							
Joint Replacement							
Bearing Rehabilitation							
Bearing Replacement							
Hanger Pin Replacement							
Security							
Seismic Retrofit							
Substructure Rehabilitation							
Electrical							
Cathodic Protection System							
Fender or Pier Protection System							
Deck Replacement							
Superstructure Replacement							
Bridge Replacement	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-usc>

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.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING NYSTA STANDARD SHEETS LISTING AND WORK TYPE TABLES	DRAWING NUMBER: SS-01

USER = jmpw11-pr-svc
 DATE/TIME = 02-OCT-2025 15:31
 FILE NAME =
 DESIGN SUPERVISOR
 M. COLLINGWOOD
 R. JABLONSKI
 DESIGN
 CHECK
 M. COLLINGWOOD
 DRAFTING
 T. BURTNICK
 CHECK
 M. COLLINGWOOD
 T. BURTNICK
 CHECK
 M. COLLINGWOOD

GENERAL WORK ZONE TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL MAINTAIN TRAFFIC THROUGHOUT THE LENGTH AND DURATION OF THE CONTRACT IN ACCORDANCE WITH THE MOST RECENT NYS DOT STANDARD SPECIFICATION - SECTION 619 WORK ZONE TRAFFIC CONTROL, THE 2023 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (N MUTCD), THE NYS SUPPLEMENT TO THE NATIONAL MUTCD, THE WORK ZONE TRAFFIC CONTROL DETAILS IN THE PLANS AND PROPOSAL, OR A.O.B.E.
2. FOR TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES IN CONSTRUCTION AREAS NOT SPECIFIED IN THE PLANS, THE PROVISIONS OF THE 2023 NATIONAL MUTCD PART 6, AND NYS SUPPLEMENT TO THE NATIONAL MUTCD SHALL APPLY. THE STANDARDS OF APPLICATION NOTED THEREIN AND ON THE PLANS ARE TO BE CONSIDERED MINIMUM STANDARDS.
3. PRIOR TO THE START OF ANY CONSTRUCTION PHASE, ALL PROPOSED WORK ZONE TRAFFIC CONTROL RELATED WORK FOR THAT PHASE, AS DETERMINED BY THE ENGINEER, SHALL BE COMPLETE. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL SIGNS, SIGNALS, PAVEMENT MARKINGS, BARRIERS, DELINEATION (CONES, DRUMS, ETC.) AND ANY OTHER RELATED WORK.

PUBLIC INGRESS AND EGRESS

1. THE CONTRACTOR SHALL PROVIDE PROPERTY OWNERS WITH PROPER ACCESS TO AND MINIMUM WIDTHS FOR THEIR DRIVEWAYS ACCORDING TO THE POLICY AND STANDARDS FOR ENTRANCES TO STATE HIGHWAYS AND SHALL MAINTAIN THEM THROUGH ALL PHASE WORK AREAS AND SHALL DELINEATE THEM BY MEANS OF SIGNS, CONES, AND/OR DRUMS A.O.B.E.
2. THE COST FOR ANY DELINEATION AND GUIDING DEVICES NOT PAID UNDER SPECIFIC BID ITEMS (CONES, DRUMS, ETC.) SHALL BE INCLUDED IN THE BID PRICE FOR BASIC WORK ZONE TRAFFIC CONTROL, ITEM 619.01.


TEMPORARY POSITIVE BARRIER

1. TEMPORARY POSITIVE BARRIER (TPB) SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS OR A.O.B.E. AND IN ACCORDANCE WITH THE APPROPRIATE TPB STANDARD SHEET OR APPROVED DRAWINGS. CONTRACTOR WILL BE PAID FOR ONE PLACEMENT ONLY PER LOCATION.
2. WHERE TAPERED END SECTIONS ARE USED ON APPROACHES, THE FIRST FULL HEIGHT SECTION OF BARRIER SHALL BE A MINIMUM OF 12' OFFSET FROM EDGE OF TRAVEL LANE.
3. ON APPROACHES TO TPB, BLUNT BARRIER ENDS SHALL BE PROTECTED FROM IMPACT BY BURYING END IN SIDE SLOPES, USING TAPERED END SECTIONS, OR TEMPORARY IMPACT ATTENUATORS, A.O.B.E.

FLAGGERS

1. WHEN FLAGGERS ARE BEING USED FOR TRAFFIC CONTROL PURPOSES, FLAGGER SIGNS (W20-7) SHALL BE PLACED AS SHOWN ON PLANS OR A.O.B.E. ON ALL APPROACHES TO THE AREAS BEING FLAGGED. THE COST OF FLAGGER SIGNS SHALL BE INCLUDED IN THE PRICE BID FOR THE BASIC WORK ZONE TRAFFIC CONTROL ITEM 619.01. FLAGGER SIGNS SHALL NOT BE USED FOR BRIEF PERIODS OF INCIDENTAL FLAGGING. FLAGGER SIGNS SHALL NOT BE VISIBLE WHEN FLAGGERS ARE NOT BEING USED.
2. FLAGGERS SHALL USE THE FREE HAND FOR EMPHASIS AS DESCRIBED IN CHAPTER 6E.04 OF THE N MUTCD. STOP/SLOW PADDLES SHALL BE REQUIRED FOR ALL FLAGGING AND SHALL CONFORM TO THE REQUIREMENTS IN THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (N MUTCD) BUT SHALL BE A MINIMUM WIDTH OF 2 FT. THE COST OF THESE PADDLES AND ALL FLAGGERS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, WORK ZONE TRAFFIC CONTROL. WHERE THE USE OF THE PADDLE MAY CAUSE CONFUSION, SIGNAL FLAGS SHALL BE USED.
3. FLAGGERS SHALL NOT POSITION THEMSELVES DIRECTLY IN THE PATH OF ONCOMING TRAFFIC. AT ALL TIMES, THE CONTRACTOR SHALL PROVIDE FLAGGERS WITH A CLEAR ESCAPE PATH, FREE OF PARKED VEHICLES, EQUIPMENT OR OTHER OBSTACLES.
4. THE CONTRACTOR SHALL PROVIDE FLAGGERS WHERE SIGHT DISTANCES ARE IMPAIRED BY THE OPERATION OR IN ANY OTHER SITUATION A.O.B.E. FLAGGERS SHALL BE REQUIRED TO USE TWO-WAY RADIOS, OR OTHER FORMS OF ENHANCED COMMUNICATION WHEN ONE FLAGGER IS NOT VISIBLE TO THE OTHER OR IF THE ENGINEER DEEMS IT NECESSARY. ALL COSTS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, WORK ZONE TRAFFIC CONTROL.
5. FLAGGERS ARE NOT ALLOWED TO CONTROL TRAFFIC ON THE THRUWAY MAINLINE.

CONTRACTOR TO COORDINATE AND OBTAIN APPROVAL FROM THE NEW YORK STATE THRUWAY AUTHORITY, DIVISION OF TRAFFIC, FOR AUTHORIZATION TO SLOW OR STOP THRUWAY TRAFFIC FOR WORK ACTIVITIES SUCH AS REMOVING OR SETTING BRIDGE STEEL OR OTHER WORK RELATED SITUATIONS - REFER TO NEW YORK STATE THRUWAY AUTHORITY ADDENDUM TO THE STANDARD SPECIFICATIONS, SECTION 619-3.01, 02-2024.

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD 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.

SIGNS

1. THE CORRECT SEQUENCE AND SPACING OF SIGNS, WHETHER PERMANENT, TEMPORARY, OR CONSTRUCTION, MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 619 OF THE STANDARD SPECIFICATIONS, THE 2009 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, NYS SUPPLEMENT, THE WORK ZONE TRAFFIC CONTROL DETAILS IN THE PLANS AND PROPOSAL, OR A.O.B.E.
2. ALL SIGNS, INCLUDING GUIDE SIGNS, SHALL INDICATE ACTUAL CONDITIONS AT ALL TIMES. SIGNS SHALL BE COVERED, MOVED, REMOVED, RELOCATED OR CHANGED IMMEDIATELY AFTER CONDITIONS CHANGE, OR A.O.B.E.
3. APPROPRIATE WARNING SIGNS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 619 OF THE STANDARD SPECIFICATIONS, THE 2009 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE WORK ZONE TRAFFIC CONTROL DETAILS IN THE PLANS AND PROPOSAL, OR A.O.B.E. SHALL PRECEDE EACH WORK AREA BEFORE WORKING WITHIN THE ROADWAY AND/OR CLEAR ZONE.
4. ALL SIGNS NECESSARY FOR THE WORK ZONE TRAFFIC CONTROL INCLUDING RELOCATION AND/OR MODIFICATION AND/OR RESTORATION OF EXISTING SIGN PANELS AS NOTED IN THE REQUIREMENTS OF SECTION 619 OF THE STANDARD SPECIFICATIONS, THE 2009 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (N MUTCD), THE NYS SUPPLEMENT TO THE NATIONAL MUTCD, THE WORK ZONE TRAFFIC CONTROL DETAILS IN THE PLANS AND PROPOSAL, OR A.O.B.E. SHALL BE INCLUDED IN THE BID PRICE FOR BASIC WORK ZONE TRAFFIC CONTROL, ITEM 619.01.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE DONE DUE TO THE CONTRACTOR'S METHODS, WHILE TEMPORARILY REMOVING, RELOCATING OR COVERING SIGN PANELS OR SIGN TEXTS.
6. COLORS USED FOR CONSTRUCTION SIGNING (INCLUDING TEMPORARY OR MODIFIED GUIDE SIGNS) SHALL BE BLACK LEGEND ON ORANGE BACKGROUND WITH THE FOLLOWING EXCEPTIONS: EMERGENCY SERVICE MARKERS, ROUTE MARKERS AND THEIR CORRESPONDING AUXILIARY SIGNS SHALL BE THE COLORS SPECIFIED IN THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. (ANY AUXILIARY SIGNS WHICH ARE NOT INCLUDED IN THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE NYS SUPPLEMENT SHALL BE BLACK LEGEND ON ORANGE BACKGROUND). BLANK COVERS USED TO COVER PORTIONS OF EXISTING SIGNS SHALL BE OF A COLOR AND REFLECTORIZED MATERIAL MATCHING THAT OF THE SIGN BEING PARTIALLY COVERED. ANY REGULATORY SIGNS REQUIRED SHALL BE THE COLORS SPECIFIED IN THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND NYS SUPPLEMENT.
7. THE CONTRACTOR SHALL INSTALL ROAD WORK WARNING SIGNS (W20-1) ON ALL INTERSECTING ROADS AS SHOWN IN THE N MUTCD, ON THE PROJECT PLANS, AND AS DIRECTED BY THE ENGINEER.

DELINEATION AND CHANNELIZATION

1. THE CONTRACTOR SHALL DELINEATE AREAS WHERE THERE IS A DROP-OFF NEAR THE EDGE OF THE TRAVELED WAY AND AREAS ON WHICH IT IS UNSAFE TO TRAVEL. THE PROVISIONS FOR DELINEATION SHALL BE IN ACCORDANCE WITH NYS DOT STANDARD SPECIFICATIONS 619. THIS SECTION INDICATES THE MINIMUM DELINEATION REQUIREMENTS. ADDITIONAL DELINEATION MAY BE REQUIRED AS DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS. REFLECTORIZED PLASTIC DRUMS SHALL BE USED AT HAZARDOUS LOCATIONS DETERMINED BY THE ENGINEER. DRUMS SHALL REMAIN IN PLACE UNTIL SATISFACTORY PROTECTION IS PROVIDED OR THE HAZARD REMOVED. DRUMS SHALL BE SPACED AT A DISTANCE NOT TO EXCEED 40 FEET OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR MAY ELECT, AT NO ADDITIONAL COST TO THE AUTHORITY, TO INSTALL TEMPORARY CONCRETE BARRIER TO ELIMINATE DROP-OFFS OR HAZARDS. THE COST OF ALL DELINEATION AND DROP-OFF PROTECTION SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.
2. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING THE WORK ZONE. ALL DISLODGED DELINEATION DEVICES AND/OR OBSCURED PAVEMENT MARKINGS WILL BE RESET AND/OR RE-MARKED AS REQUIRED, OR A.O.B.E.
3. THE CONTRACTOR SHALL NOT MIX DELINEATION DEVICES IN A LINEAR CLOSURE OR TAPER. (I.E., CONES, VERTICAL PANELS, OR DRUMS SHALL NOT BE USED IN THE SAME TAPER OR CLOSURE). HOWEVER, DIFFERENT WORK AREAS WITHIN THE PROJECT LIMITS MAY USE DIFFERENT DELINEATION DEVICES.
4. WHERE SPACE IS LIMITED, VERTICAL PANELS OR TUBE TYPE DELINEATION DEVICES SHALL BE USED (A.O.B.E) IN LIEU OF CONSTRUCTION DRUMS.
5. WHEN TYPE III BARRICADES ARE USED NEAR DRIVEWAYS OR INTERSECTIONS, THEY SHALL BE PLACED IN SUCH A WAY AS TO NOT OBSCURE SIGHT DISTANCE.

NYS DOT STANDARD SHEETS FOR WORK ZONE TRAFFIC CONTROL

1. FOR ADDITIONAL DETAILS ON WORK ZONE TRAFFIC CONTROL, SUCH AS LANE AND SHOULDER CLOSURE REFER TO THE APPLICABLE SHEETS IN THE 619 SERIES OF NYS DOT STANDARD SHEETS. PAYMENT FOR ANY ADDITIONAL SIGNINGS, FLAGGERS, OR TRAFFIC CONTROL DEVICES SHALL BE INCLUDED UNDER ITEM 619.01.

NYS THRUWAY AUTHORITY STANDARD SHEETS FOR WORK ZONE TRAFFIC CONTROL

1. FOR ADDITIONAL DETAILS ON WORK ZONE TRAFFIC CONTROL, SUCH AS LANE AND SHOULDER CLOSURE REFER TO THE APPLICABLE SHEETS IN THE NYS THRUWAY AUTHORITY STANDARD SHEETS FOR WORK ZONE TRAFFIC CONTROL.

CONSTRUCTION ACTIVITIES

1. UNLESS OTHERWISE SHOWN OR APPROVED BY THE ENGINEER, WORK AREAS ON OPPOSITE SIDES OF THE ROAD SHALL NOT OVERLAP OR CO-EXIST.
2. NO MATERIAL IS TO BE STORED WITHIN THE CLEAR ROADSIDE AREA OTHER THAN THAT MATERIAL WHICH WILL BE PLACED THAT DAY, WITHOUT THE APPROVAL OF THE ENGINEER. FOR MALDEN TURNPIKE, THE CLEAR ROADSIDE AREA IS DEFINED AS THE AREA WITHIN 10 FEET OF THE EDGE OF TRAVEL LANE, AND 30 FEET FOR THE THRUWAY MAINLINE.
3. CONSTRUCTION EQUIPMENT SHALL BE REMOVED FROM THE CLEAR ROADSIDE AREA DURING HOURS THAT THE CONTRACTOR IS NOT WORKING. THIS REQUIREMENT SHALL NOT BE LIMITED TO THE CONTRACT LIMITS.
4. NO PRIVATE VEHICLES (OWNED BY THE CONTRACTOR'S EMPLOYEES) SHALL BE PARKED ON THRUWAY PROPERTY. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL MARSHAL AT AN OFF-SITE YARD AND TRAVEL TO THE WORK SITE IN CONTRACTOR OWNED WORK VEHICLES.
5. CONTRACTOR VEHICLES NOT IN USE SHALL NOT BE PARKED IN THE CLEAR ROADSIDE AREA, OR ANY OTHER LOCATION CONSIDERED BY THE ENGINEER TO BE A HAZARD.
6. ALL OPERATIONS, INCLUDING PAVING, ROLLING, GRADING, SUPPLYING OF MATERIAL, AND THE TRAVEL OF SUPERVISORY PERSONNEL THROUGH THE WORK ZONE, AND THE ENTIRE LENGTH OF THE CONTRACT, WILL ALWAYS BE IN THE DIRECTION OF NORMAL TRAFFIC EXCEPT WHERE SPECIFICALLY ALLOWED OTHERWISE BY THE ENGINEER TO PERFORM A PARTICULAR OPERATION.

NIGHTTIME OPERATIONS NOTES

1. WORK ZONE TRAFFIC CONTROL FOR NIGHTTIME CONSTRUCTION SHALL BE CONDUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. TO THE EXTENT PROJECT AND TRAFFIC CONDITIONS PERMIT, THE CONTRACTOR SHALL TAKE ADVANTAGE OF DAYLIGHT HOURS BEFORE AND AFTER THE SHIFT AND SETUP AND REMOVAL OF THE TRAFFIC CONTROLS AS WELL AS OTHER PREPARATIONS AND CLEANUP WORK.
3. ALL ARROW BOARDS USED AT NIGHT SHALL BE PROPERLY DIMMED AS DESCRIBED IN THE MUTCD AND THE STANDARD SPECIFICATIONS TO AVOID GLARE FOR APPROACHING MOTORISTS.
4. NIGHTTIME OPERATIONS, INCLUDING LANE CLOSURES OR OBSTRUCTIONS, WILL BE PERMITTED AS NOTED IN THE "SCHEDULE AND SUSPENSION OF WORK" LOCATED IN THE PROPOSAL.
5. NIGHTTIME LANE CLOSURES SHALL BE LOCATED AWAY FROM OTHER CONFLICT POINTS SUCH AS RAMPS WHENEVER POSSIBLE.
6. THE CONTRACTOR SHALL PROVIDE LIGHTING FOR ALL NIGHTTIME OPERATIONS IN ACCORDANCE WITH ITEM 619.24.
7. THE CONTRACTOR IS ADVISED THAT ILLUMINATION IS TO BE PROVIDED THROUGHOUT THE ENTIRE AREA OF CONSTRUCTION OPERATIONS, WHICH INCLUDES ALL WORK AREAS OCCUPIED BY THE CONTRACTORS PERSONNEL (TRUCK STAGING AREAS, CLEAN OUT AREAS, LAYOUT AND MEASUREMENT AHEAD OF ACTUAL WORK, ETC.) ALL SUCH WORK AREAS ARE TO BE SHOWN ON THE LIGHTING PLAN SUBMITTED BY THE ENGINEER.

MISCELLANEOUS

1. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ANY SUBCONTRACTORS, PUBLIC MAINTENANCE, OR UTILITIES OPERATIONS IN THE PROJECT AREA TO ENSURE PROPER MAINTENANCE OF TRAFFIC.
2. IN ACCORDANCE WITH SECTION 107-05(F) OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL COMPLETELY ENCLOSE, BY SAFETY WIRE FENCE, ALL POTENTIALLY HAZARDOUS LOCATIONS. PAYMENT FOR INSTALLATION AND REMOVAL OF THIS ITEM SHALL BE INCLUDED IN THE BID PRICE FOR WORK ZONE TRAFFIC CONTROL, ITEM 619.01
3. ULSTER COUNTY: CONTACT NYS DEC REGION 3 OFFICE (845) 256-3000.

BRIDGE CLOSURE

1. THE CONTRACTOR SHALL ONLY BE PERMITTED TO CLOSE THE BRIDGE TO TRAFFIC UPON REVIEW AND APPROVAL OF A CONSTRUCTION SCHEDULE SHOWING CONTINUOUS SEQUENTIAL CONSTRUCTION ACTIVITY AS ALLOWED PER THE CONTRACT.

PORTABLE VARIABLE MESSAGE SIGNS

1. THE CONTRACTOR SHALL PROVIDE UP TO 4 PORTABLE VARIABLE SIGNS (REMOTE OPERATION) TO BE USED FOR THE DURATION OF THIS CONTRACT. VARIABLE MESSAGE SIGNS ARE INTENDED TO SUPPLEMENT FIXED SIGNS AND ARE NOT INTENDED TO REPLACE THEM. THESE VARIABLE MESSAGE SIGNS WILL BE PAID UNDER ITEM 619.111112.
2. CONTRACTOR SHALL PROVIDE A VARIABLE MESSAGE SIGN(S) AT LOCATIONS AND FOR SPECIFIC OPERATIONS AS ORDERED BY THE ENGINEER.
3. OTHER PORTABLE VARIABLE MESSAGE SIGNS SHALL BE LOCATED AS DEEMED NECESSARY BY THE ENGINEER OR BY THE NYSTA TRAFFIC ENGINEER. ALTHOUGH PAYMENT IS PER SIGN, THE CONTRACTOR SHALL BE REQUIRED TO MOVE THE SIGNS AS OFTEN AS REQUESTED BY EITHER THE RESIDENT ENGINEER OR THE NYSTA TRAFFIC SUPERVISOR. NO ADDITIONAL PAYMENT WILL BE MADE FOR SIGN MOVEMENTS.
4. ALL MESSAGES DISPLAYED BY THE VARIABLE MESSAGE SIGNS SHALL BE APPROVED BY THE DIVISION TRAFFIC SUPERVISOR PRIOR TO USE.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



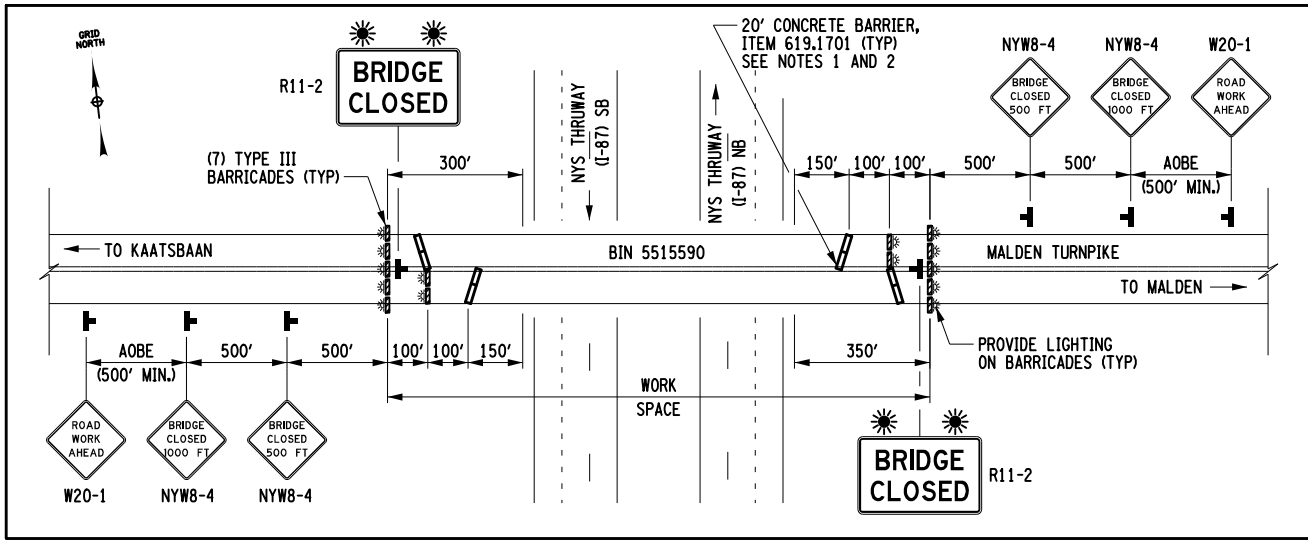
TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL NOTES	DRAWING NUMBER: TC-01

FILE NAME = DATE/TIME = 02-OCT-2025 15:32 USER = jmp011-pr-svc DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD

DATE/TIME = 08-OCT-2025 12:06
 USER = Tburtnick
 DESIGNER = R. JABLONSKI
 CHECKER = M. COLLINGWOOD
 DRAFTER = T. BURTNICK
 CHECKER = M. COLLINGWOOD
 FILE NAME =

WORK ZONE TRAFFIC CONTROL SIGN TABLE		
SIGN	SIGN DESIGNATION	SIZE (IN)
	M4-9	30x24
	M4-9LBR	30x24
	M4-9RBR	30x24
	M4-9L	30x24
	M4-9R	30x24
	M4-9RD	30x24
	M4-9LD	30x24
	M4-8a	30x24

WORK ZONE TRAFFIC CONTROL SIGN TABLE		
SIGN	SIGN DESIGNATION	SIZE (IN)
	D3-1	8x48
	M4-10	48x18
	W20-2	36x36
	NYW8-4	36x36
	R11-2 (MOD.)	48x30
	R11-3b	60x30



DETAIL "A"
 ROAD CLOSURE WITH BRIDGE OUT
 NTS

ALTERED ON: _____ AFFIXED ON: 10/8/2025

SIGNATURE: _____
 STAMP: _____

SIGNATURE: MATTHEW WAYNE COLLINGWOOD
 STAMP: _____

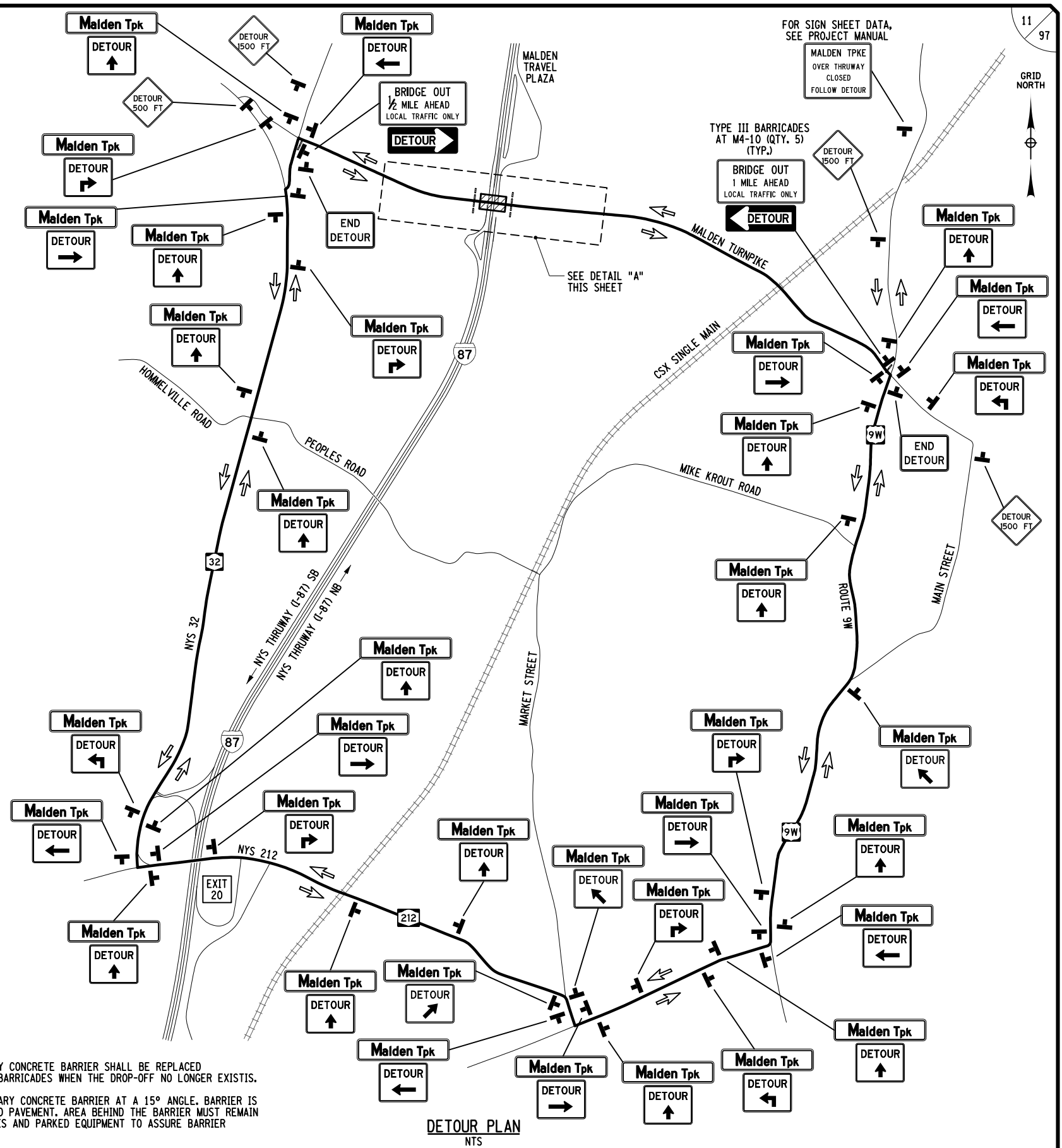
LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY SIGN
- WORK ZONE
- TYPE III BARRICADE
- TEMPORARY POSITIVE BARRIER

NOTES:

- THE TEMPORARY CONCRETE BARRIER SHALL BE REPLACED WITH TYPE III BARRICADES WHEN THE DROP-OFF NO LONGER EXISTS.
- PLACE TEMPORARY CONCRETE BARRIER AT A 15° ANGLE. BARRIER IS NOT STAKED TO PAVEMENT. AREA BEHIND THE BARRIER MUST REMAIN FREE OF DEBRIS AND PARKED EQUIPMENT TO ASSURE BARRIER DEFLECTION.

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.



DETOUR PLAN
 NTS

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

TITLE OF PROJECT: REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87

LOCATION OF PROJECT: ALBANY DIVISION MP 103.16

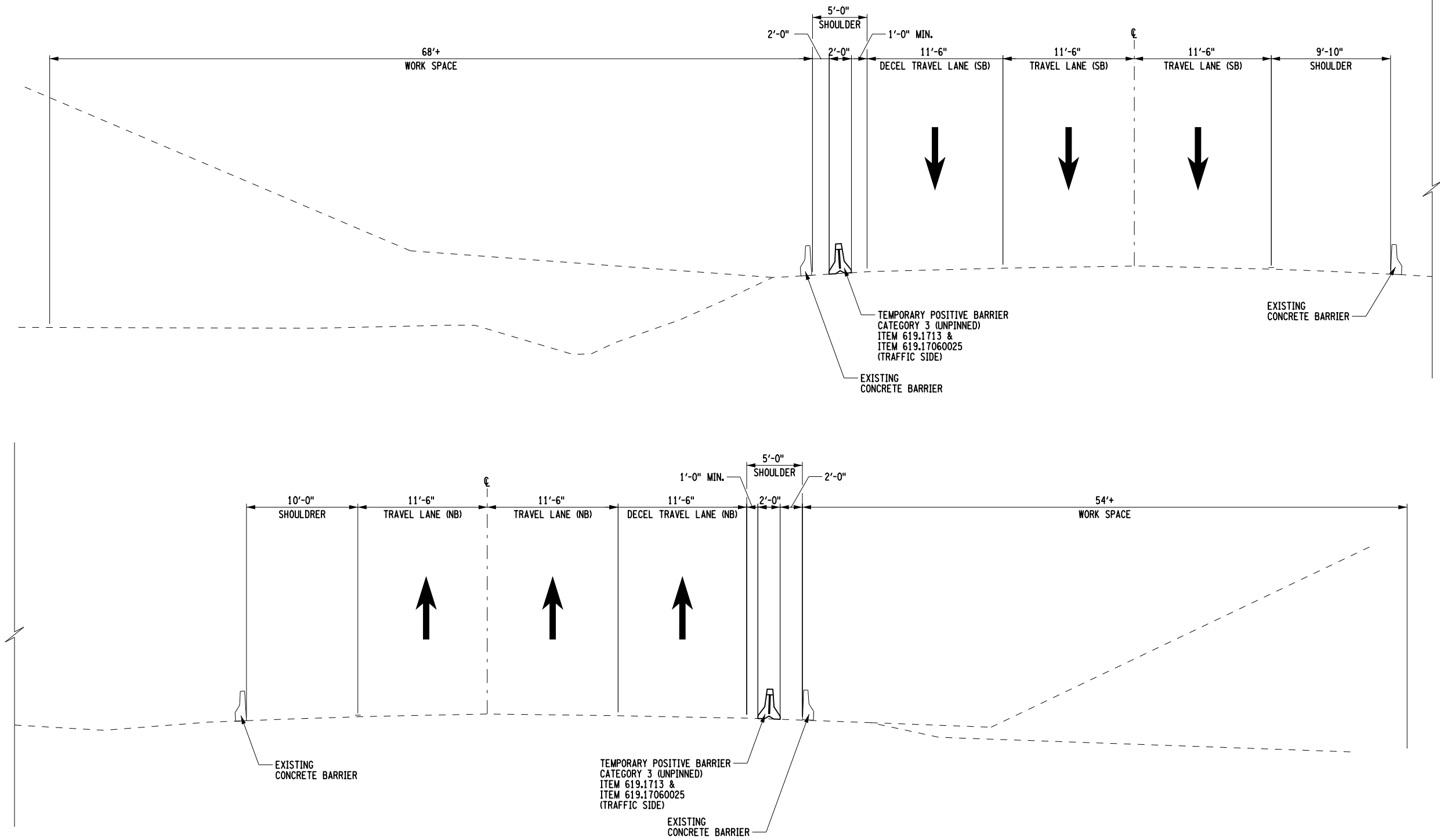
TITLE OF DRAWING: TRAFFIC CONTROL - DETOUR PLAN

CONTRACT NUMBER: TAA-25-27B


DATE: 10/02/2025

DRAWING NUMBER: TC-02

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 02-OCT-2025 15:33
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpx11-pr-svc





WORK ZONE TRAFFIC CONTROL TYPICAL SECTION - ABUTMENT PROTECTION FOR MAINLINE I-87
 SCALE: NTS

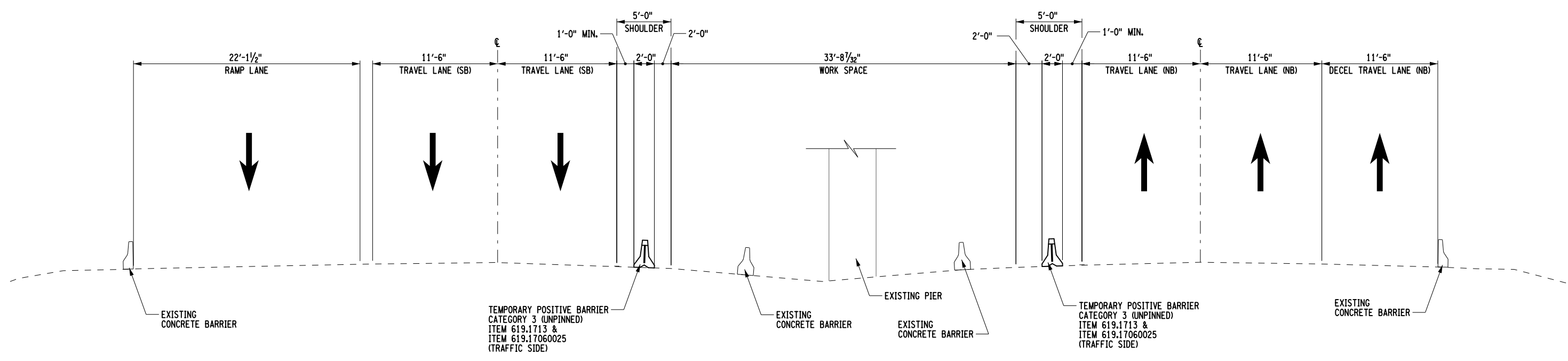
ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD 

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 MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL TYPICAL SECTIONS	DRAWING NUMBER: TC-03

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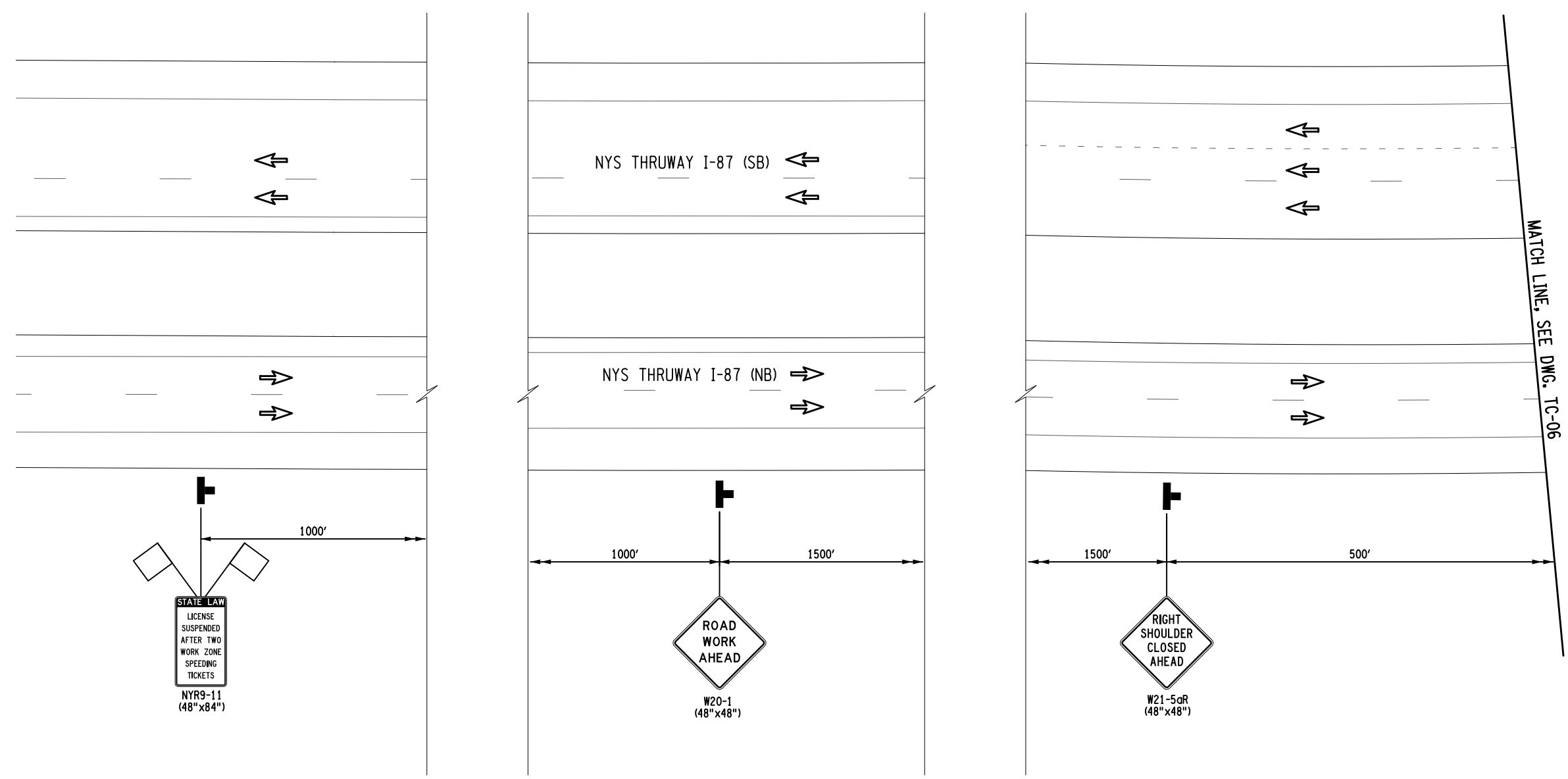
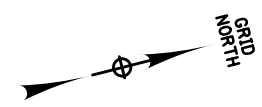
WORK ZONE TRAFFIC CONTROL TYPICAL SECTION - PIER PROTECTION FOR MAINLINE I-87
NTS

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD 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.

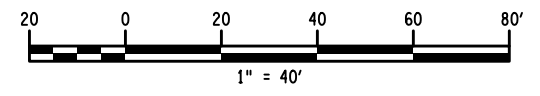
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	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL TYPICAL SECTIONS		DRAWING NUMBER: TC-04



MATCH LINE, SEE DWG. TC-06

**I-87 MAINLINE - SHOULDER
WORK ZONE TRAFFIC CONTROL PLAN**

- LEGEND**
- WORK SPACE
 - TEMPORARY BARRIER
 - CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
 - TEMPORARY SIGN, ITEM 619.01
 - TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
 - DIRECTION OF TRAFFIC
 - IMPACT ATTENUATOR



USER = jmtpx11-pr-svc
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 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD

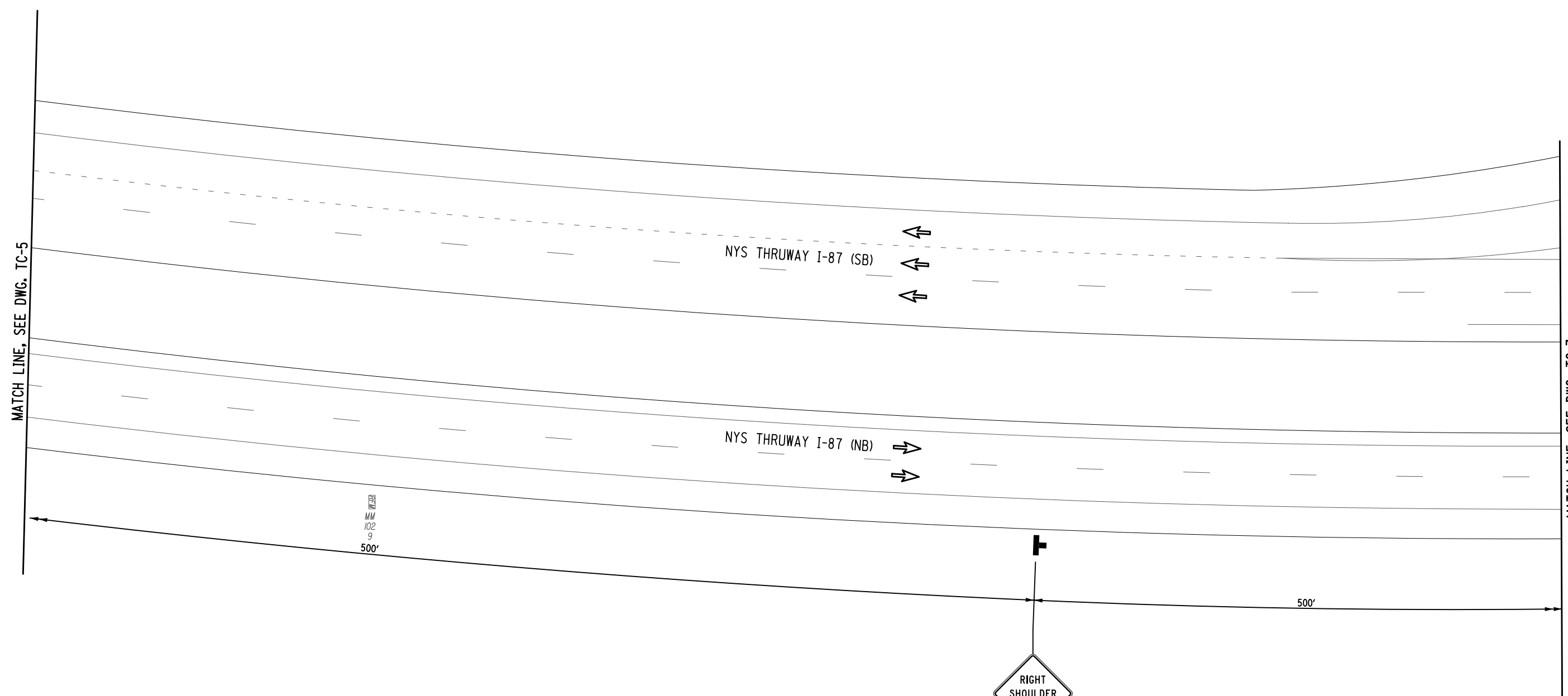
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN	DRAWING NUMBER: TC-05

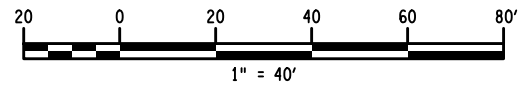



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 DATE/TIME = 02-OCT-2025 15:32
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 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD

LEGEND

- WORK SPACE
- TEMPORARY BARRIER
- CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
- TEMPORARY SIGN, ITEM 619.01
- TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR

**I-87 MAINLINE - SHOULDER
WORK ZONE TRAFFIC CONTROL PLAN**



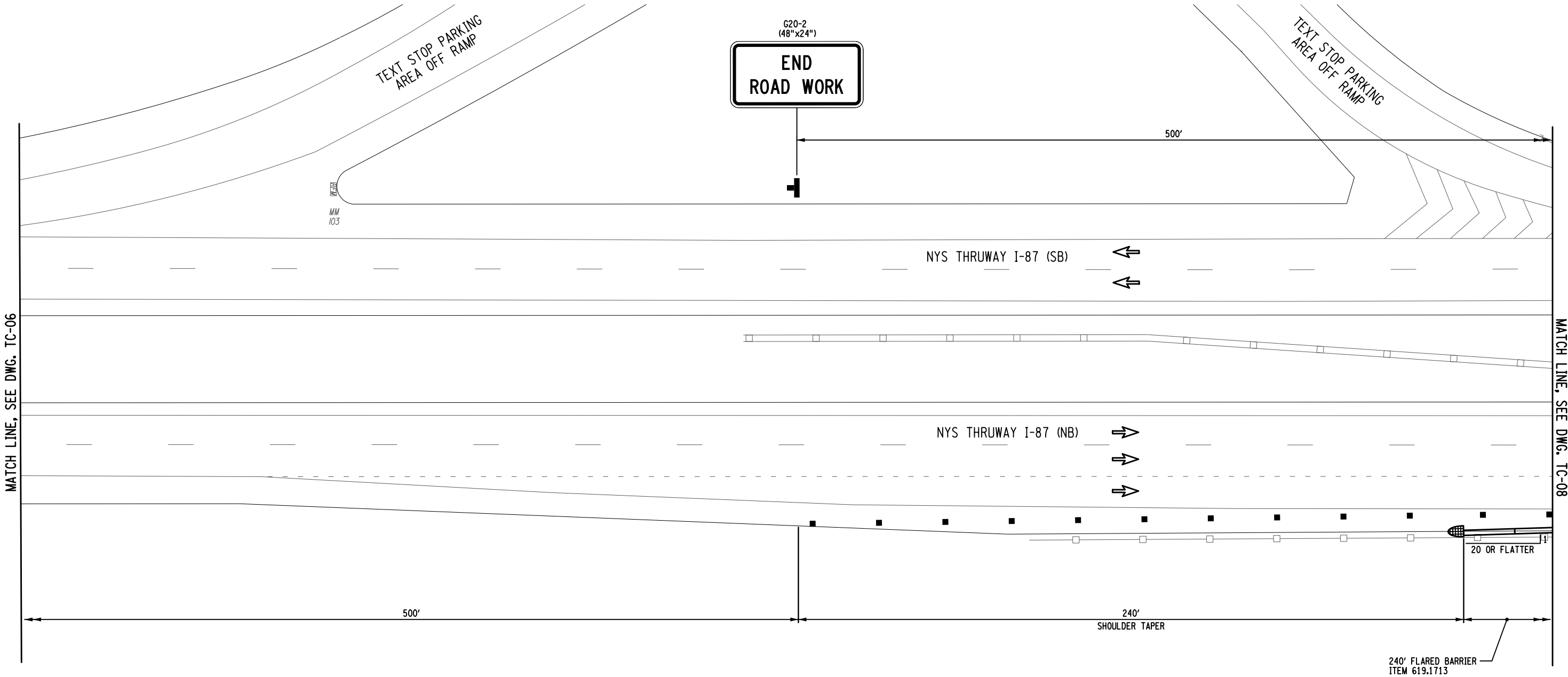
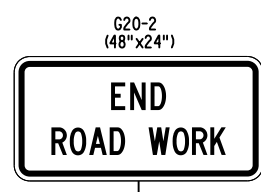
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DATE	DESCRIPTION	BY	SYM.

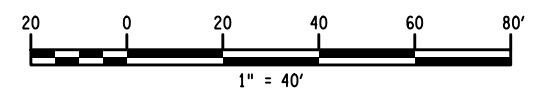


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN	DRAWING NUMBER: TC-06



- LEGEND**
- WORK SPACE
 - TEMPORARY BARRIER
 - CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
 - TEMPORARY SIGN, ITEM 619.01
 - TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
 - DIRECTION OF TRAFFIC
 - IMPACT ATTENUATOR

**I-87 MAINLINE - SHOULDER
WORK ZONE TRAFFIC CONTROL PLAN**



FILE NAME = M. COLLINGWOOD
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 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpx11-pr-svc

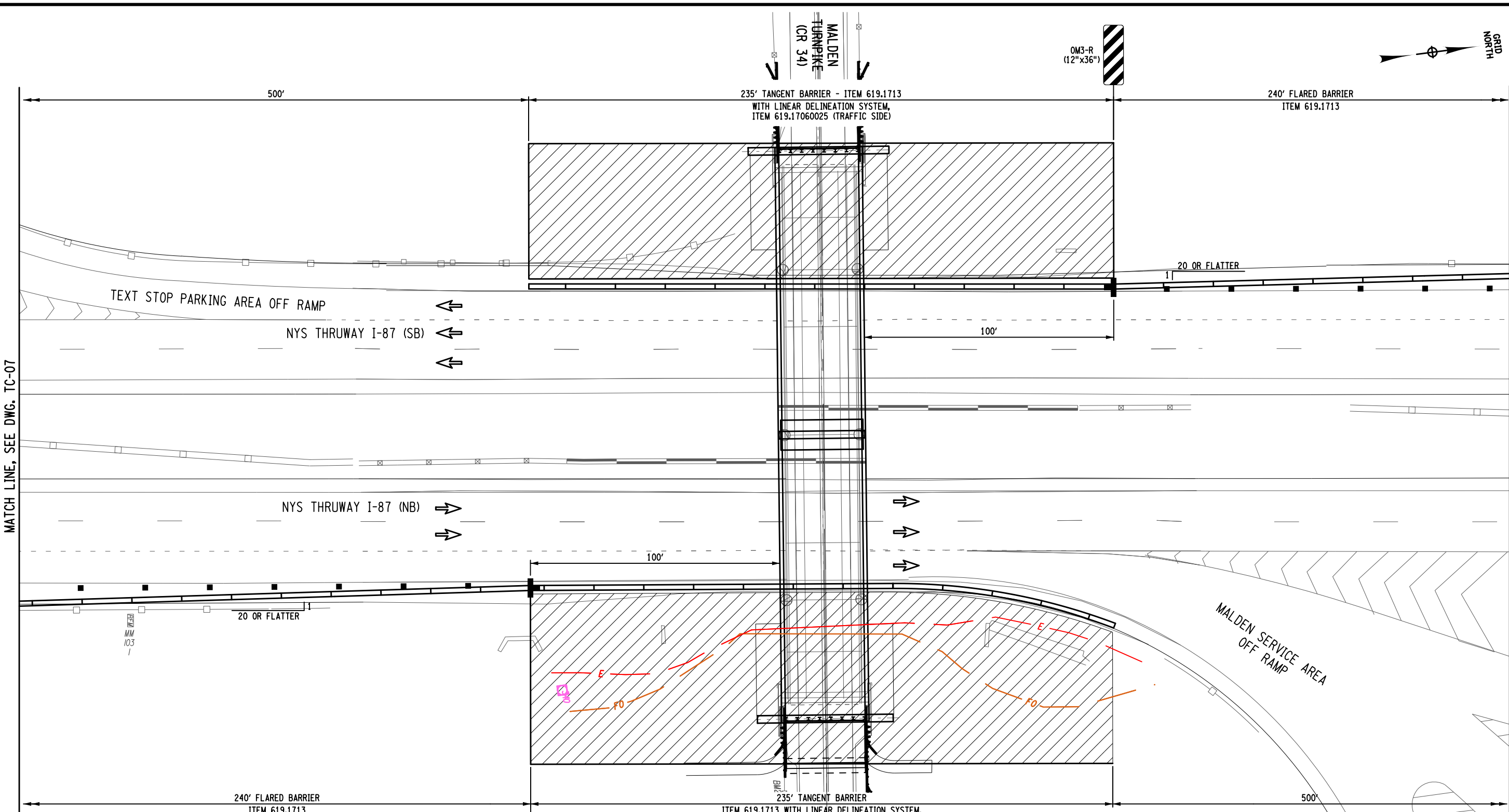
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.




TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN	DRAWING NUMBER: TC-07

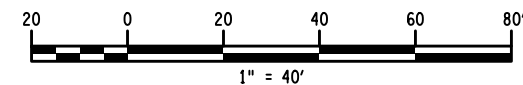


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 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD
 T. BURTNICK
 CHECK M. COLLINGWOOD

MATCH LINE, SEE DWG. TC-07

MATCH LINE, SEE DWG. TC-09

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: 



**I-87 MAINLINE - SHOULDER
WORK ZONE TRAFFIC CONTROL PLAN**

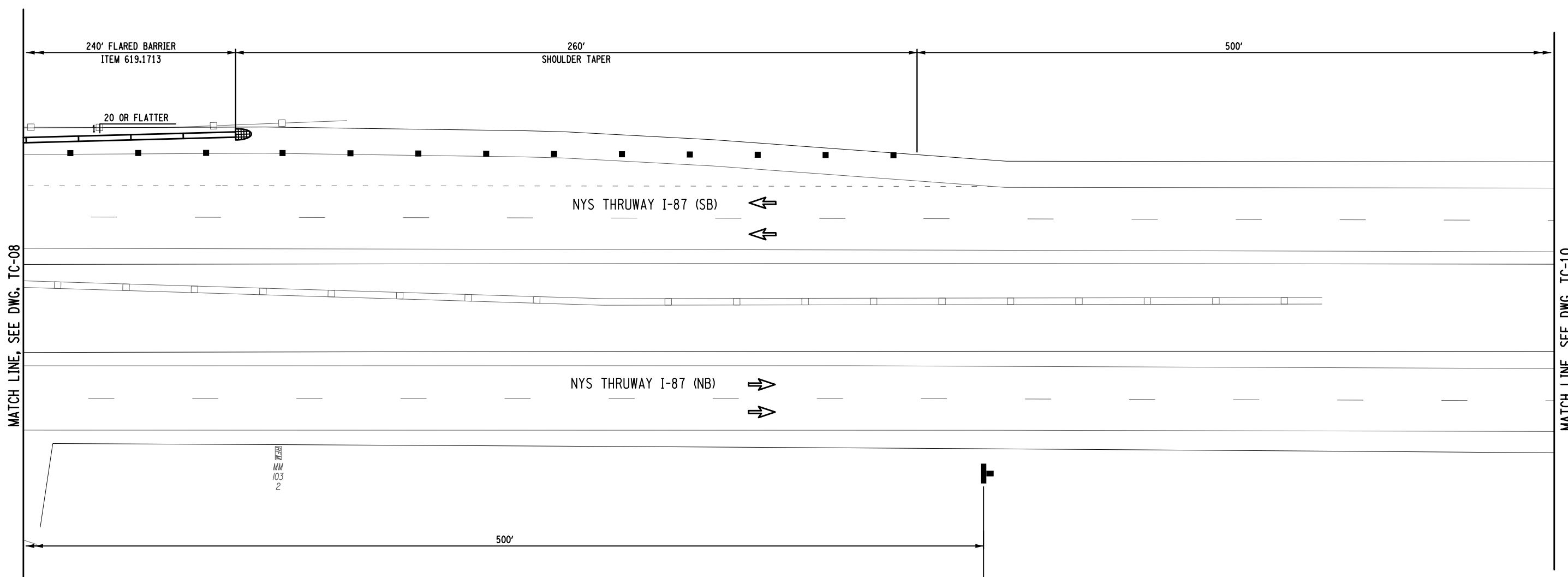
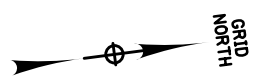
- LEGEND**
- WORK SPACE
 - TEMPORARY BARRIER
 - CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
 - TEMPORARY SIGN, ITEM 619.01
 - TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
 - DIRECTION OF TRAFFIC
 - IMPACT ATTENUATOR

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN	DRAWING NUMBER: TC-08

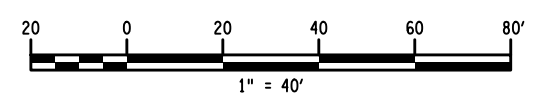


**END
ROAD WORK**
G20-2
(48"x24")

LEGEND

- WORK SPACE
- TEMPORARY BARRIER
- CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
- TEMPORARY SIGN, ITEM 619.01
- TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR

**I-87 MAINLINE - SHOULDER
WORK ZONE TRAFFIC CONTROL PLAN**



FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 02-OCT-2025 15:32
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpx11-pr-svc

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN		DRAWING NUMBER: TC-09



500'

500'

MATCH LINE, SEE DWG. TC-09

MATCH LINE, SEE DWG. TC-11

NYS THRUWAY I-87 (SB) ←
←








NYS THRUWAY I-87 (NB) →
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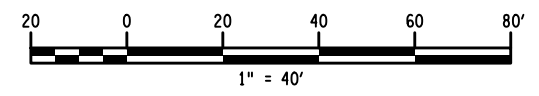
MM 103 3


MM 103 4

I-87 MAINLINE - SHOULDER WORK ZONE TRAFFIC CONTROL PLAN

LEGEND

-  WORK SPACE
-  TEMPORARY BARRIER
-  CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
-  TEMPORARY SIGN, ITEM 619.01
-  TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
-  DIRECTION OF TRAFFIC
-  IMPACT ATTENUATOR



ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

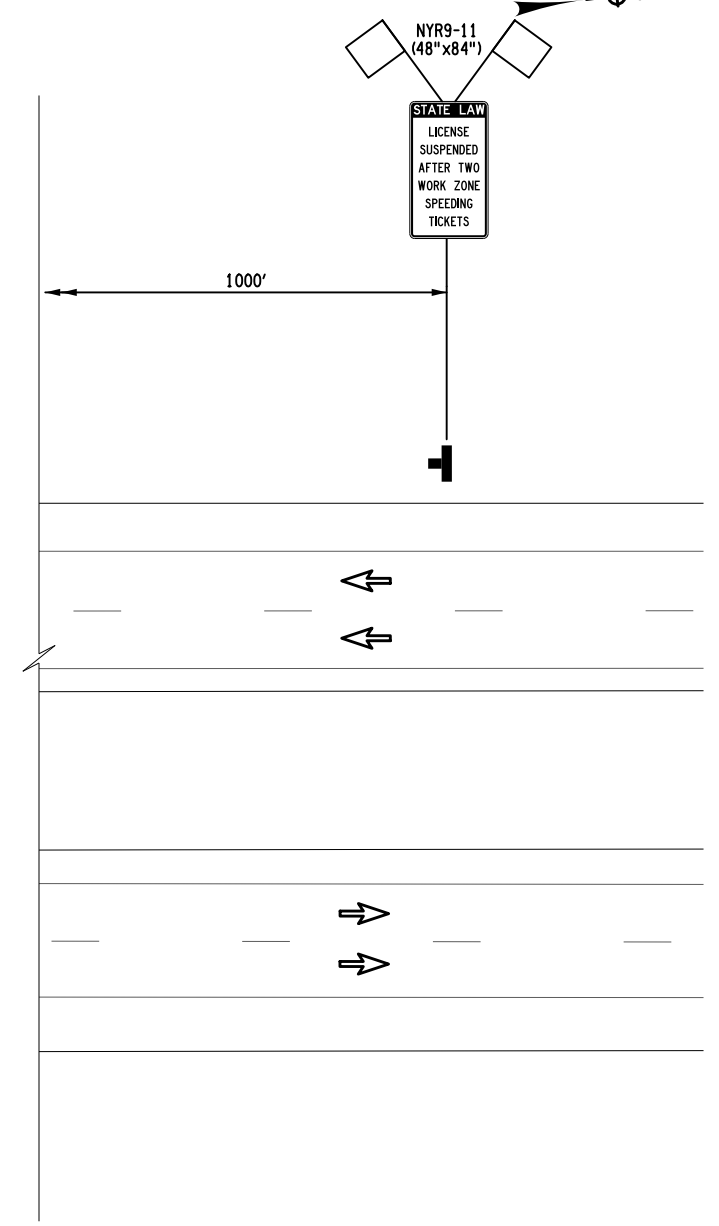
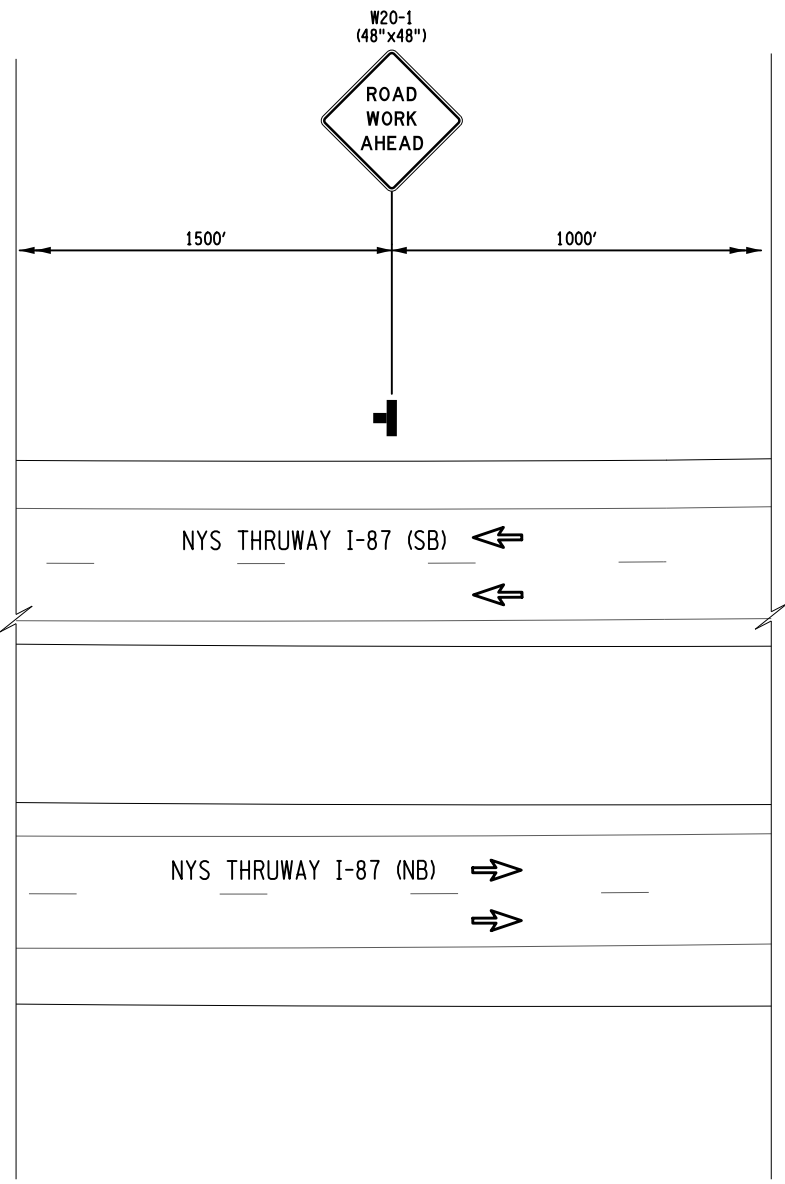
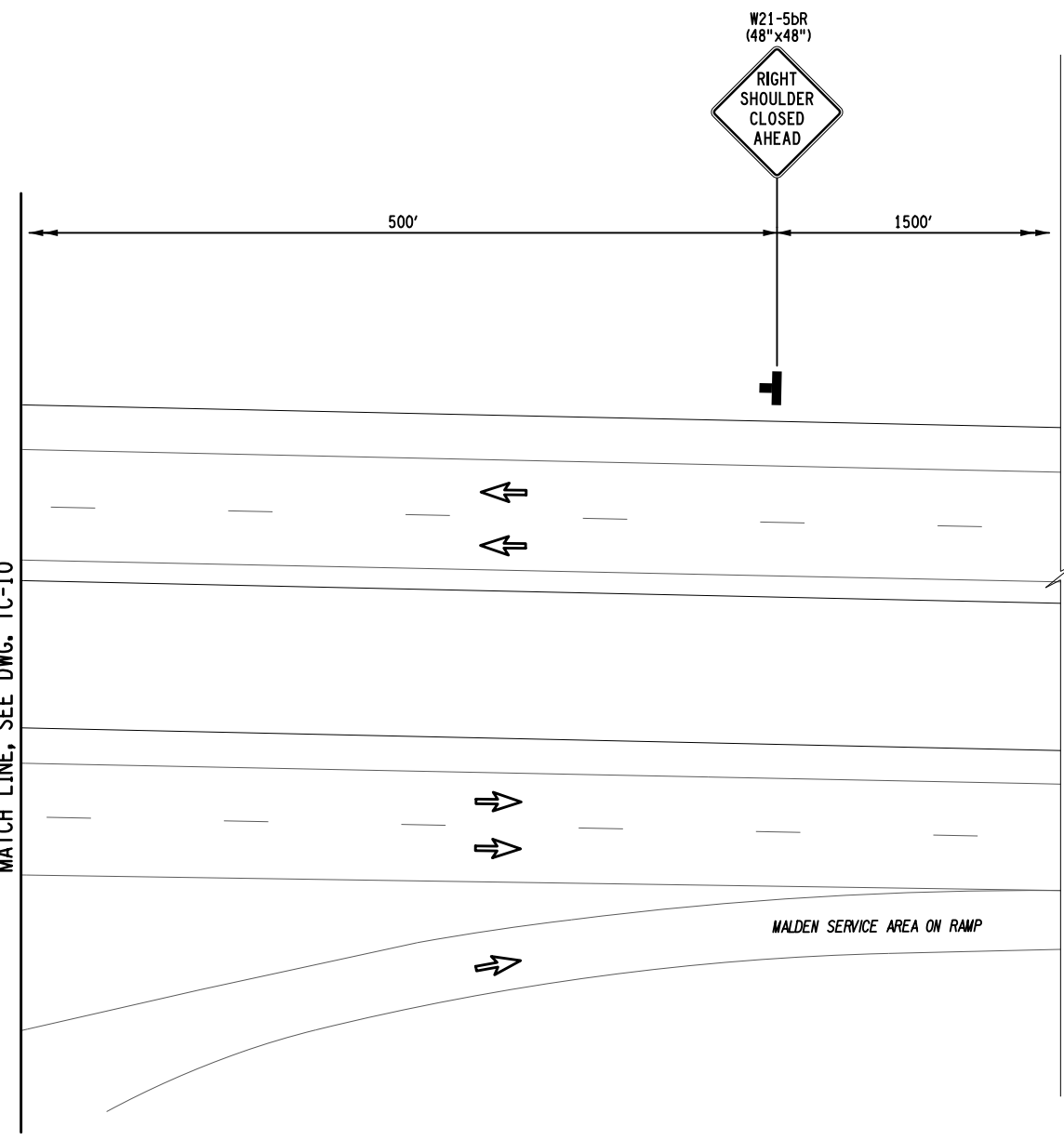


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN	DRAWING NUMBER: TC-10

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DRAFTING
T. BURTNICK
CHECK
M. COLLINGWOOD
USER = jmpx11-pr-svc

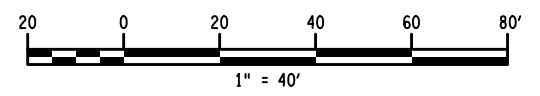
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MATCH LINE, SEE DWG. TC-10



I-87 MAINLINE - SHOULDER
WORK ZONE TRAFFIC CONTROL PLAN

- LEGEND**
- WORK SPACE
 - TEMPORARY BARRIER
 - CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
 - TEMPORARY SIGN, ITEM 619.01
 - TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
 - DIRECTION OF TRAFFIC
 - IMPACT ATTENUATOR

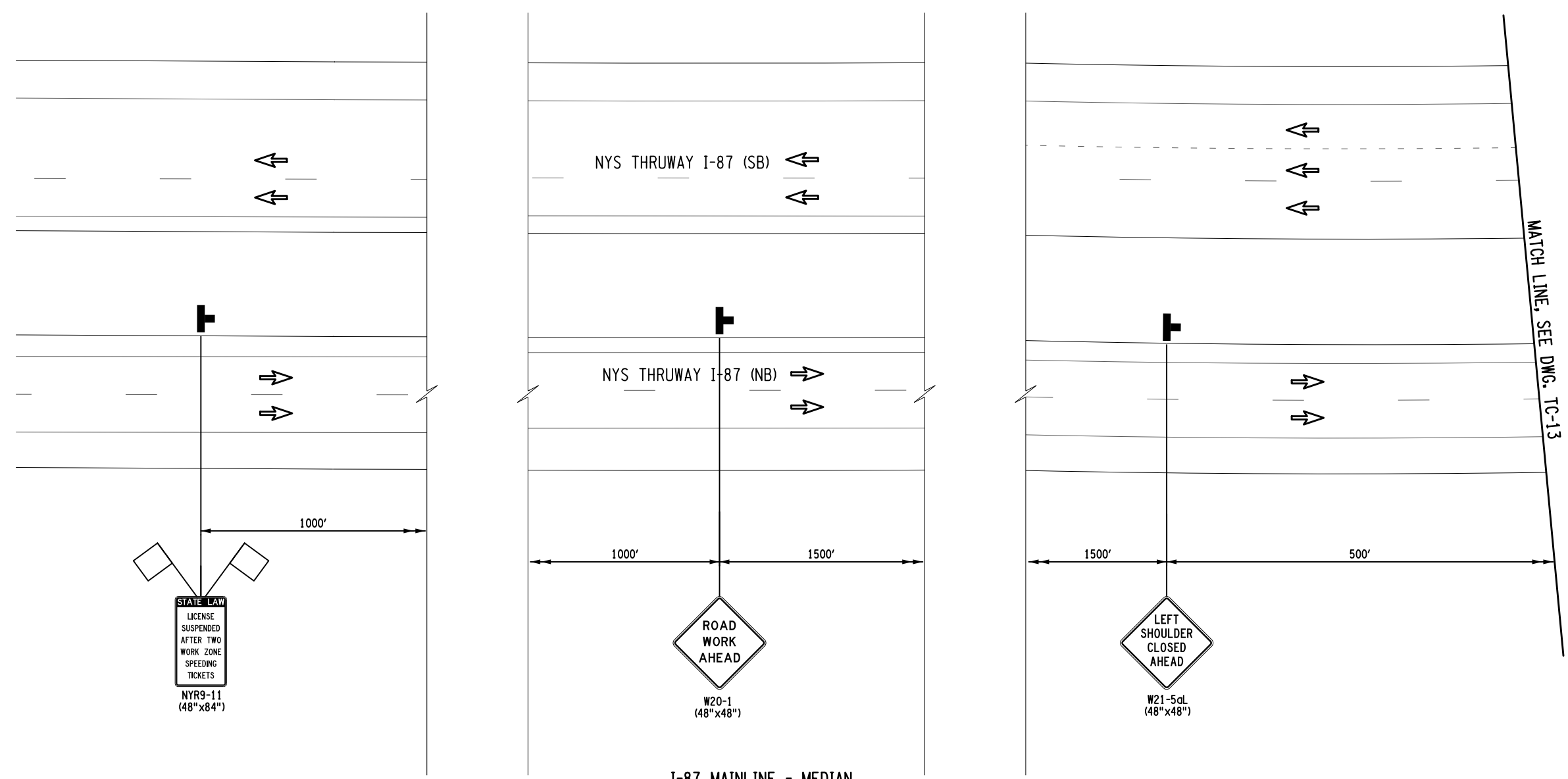
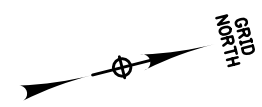


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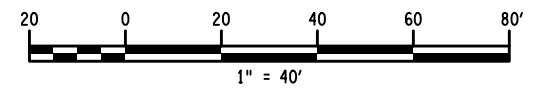
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DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN	DRAWING NUMBER: TC-11



**I-87 MAINLINE - MEDIAN
WORK ZONE TRAFFIC CONTROL PLAN**

- LEGEND**
- WORK SPACE
 - TEMPORARY BARRIER
 - CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
 - TEMPORARY SIGN, ITEM 619.01
 - TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
 - DIRECTION OF TRAFFIC
 - IMPACT ATTENUATOR



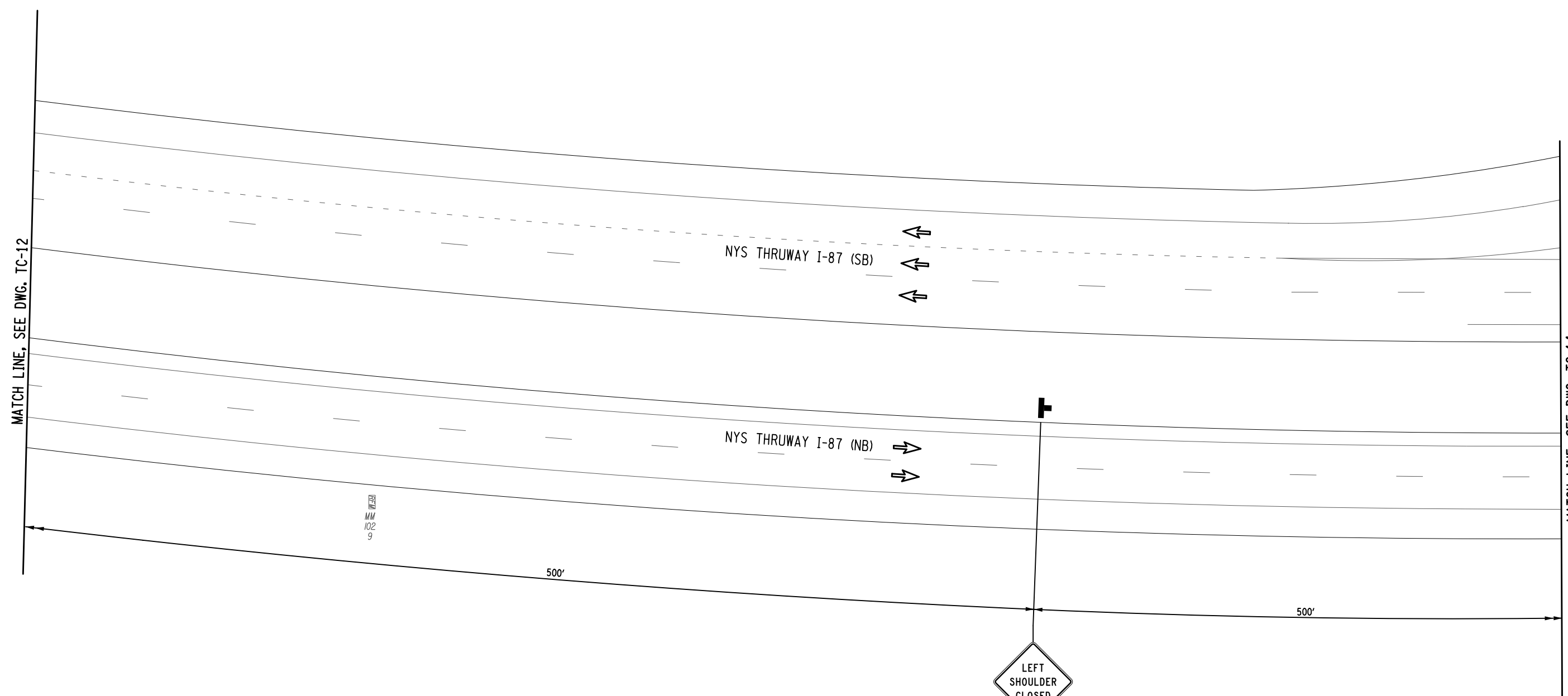
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 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpx11-pr-svc

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 10/02/2025 SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: <div style="text-align: center;"> </div>
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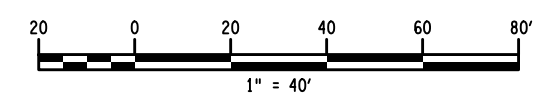
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DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN	DRAWING NUMBER: TC-12



**I-87 MAINLINE - MEDIAN
WORK ZONE TRAFFIC CONTROL PLAN**

- LEGEND**
- WORK SPACE
 - TEMPORARY BARRIER
 - CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
 - TEMPORARY SIGN, ITEM 619.01
 - TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
 - DIRECTION OF TRAFFIC
 - IMPACT ATTENUATOR



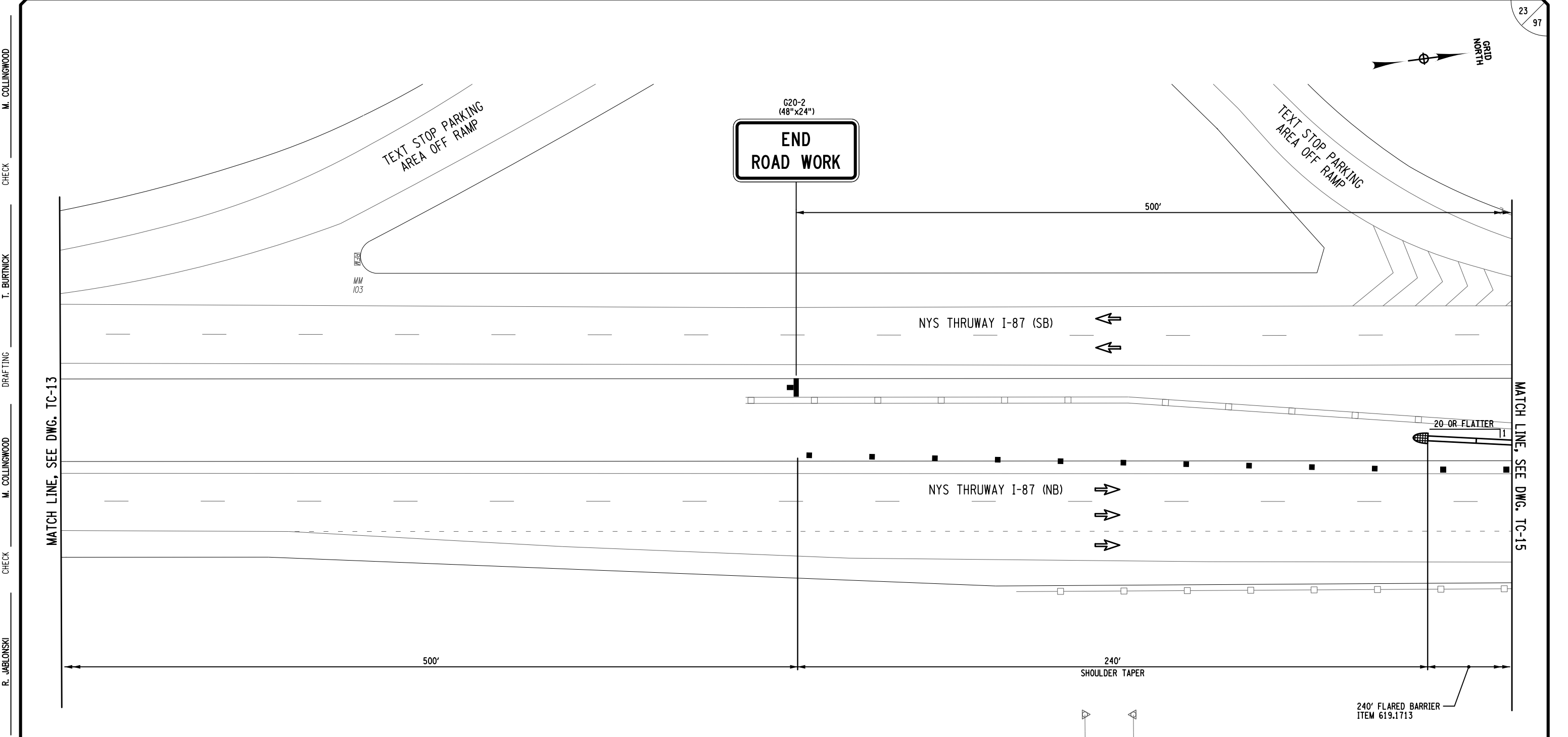
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 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmpx11-pr-svc

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 10/02/2025 SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: <div style="text-align: center;"> </div>
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

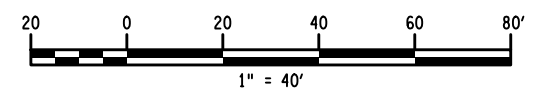
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN	DRAWING NUMBER: TC-13




**I-87 MAINLINE - MEDIAN
WORK ZONE TRAFFIC CONTROL PLAN**

- LEGEND**
- WORK SPACE
 - TEMPORARY BARRIER
 - CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
 - TEMPORARY SIGN, ITEM 619.01
 - TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
 - DIRECTION OF TRAFFIC
 - IMPACT ATTENUATOR





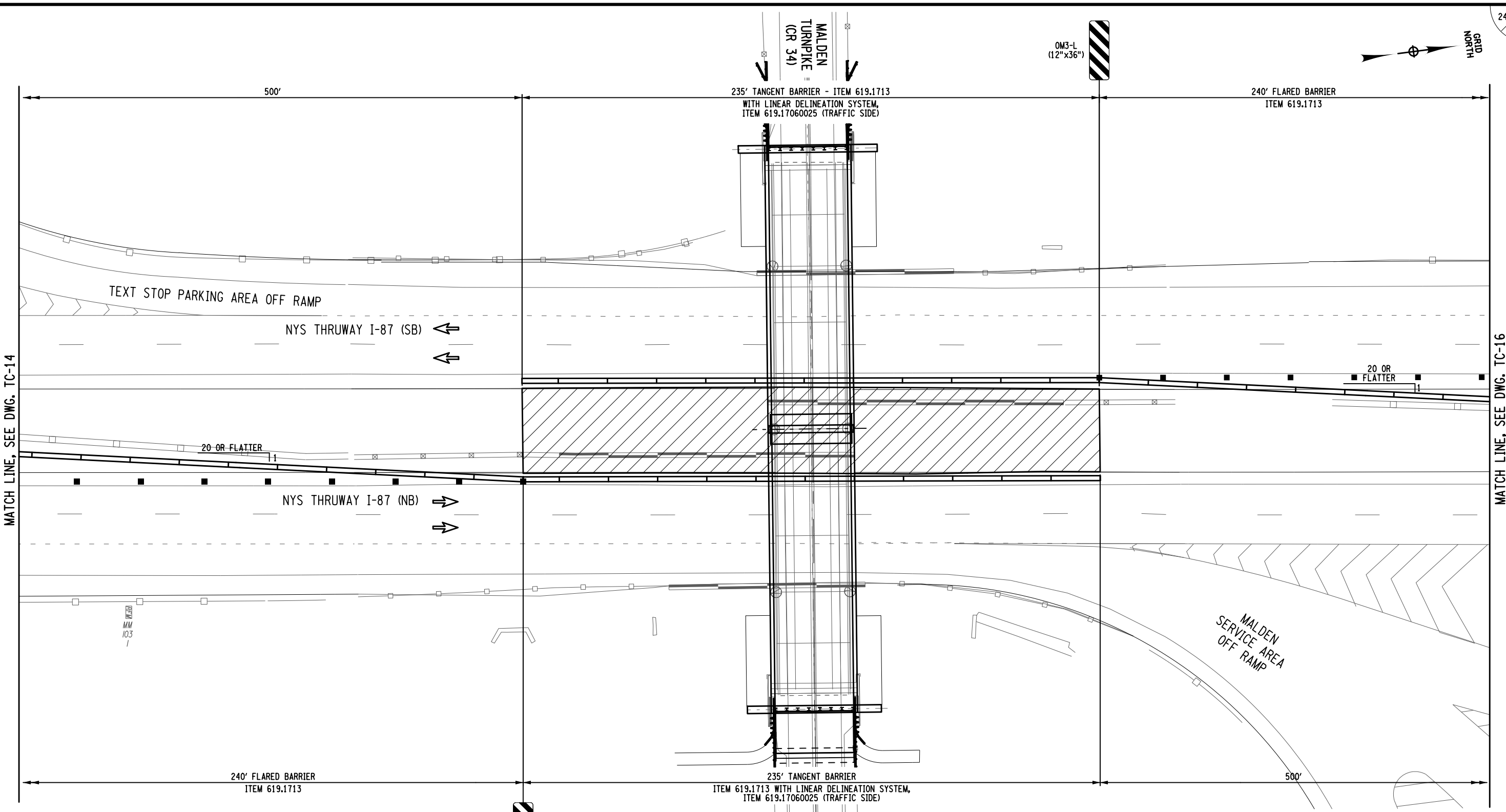
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 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 10/02/2025 SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: 
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87 LOCATION OF PROJECT ALBANY DIVISION MP 103.16	CONTRACT NUMBER: TAA-25-27B DATE: 10/02/2025
	TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL PIER PROTECTION PLAN DRAWING NUMBER: TC-14	

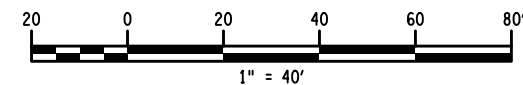


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 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 FILE NAME =

ALTERED ON:
 SIGNATURE:
 STAMP:

AFFIXED ON: 10/02/2025
 SIGNATURE: MATTHEW WAYNE COLLINGWOOD
 STAMP:

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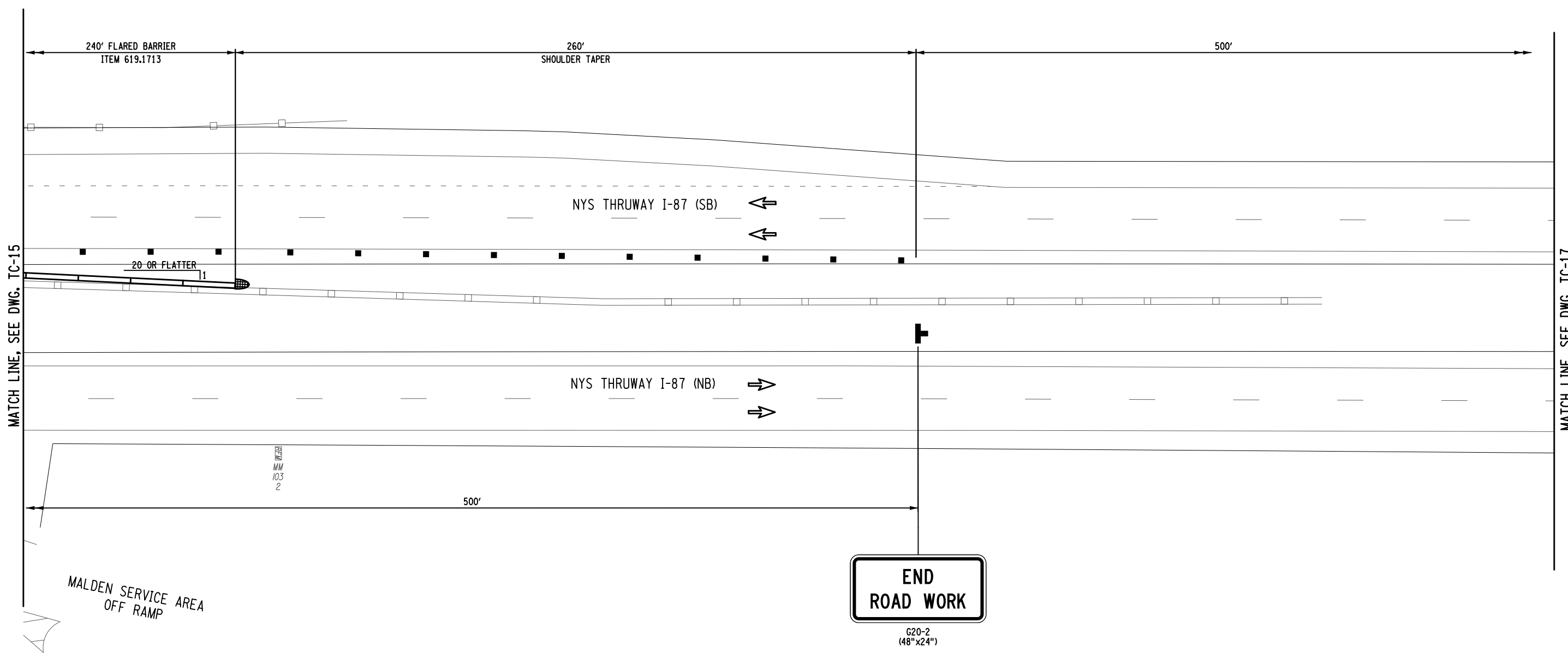
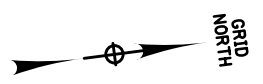
**I-87 MAINLINE - MEDIAN
WORK ZONE TRAFFIC CONTROL PLAN**

- LEGEND**
- WORK SPACE
 - TEMPORARY BARRIER
 - CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
 - TEMPORARY SIGN, ITEM 619.01
 - TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
 - DIRECTION OF TRAFFIC
 - IMPACT ATTENUATOR

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN	DRAWING NUMBER: TC-15



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 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
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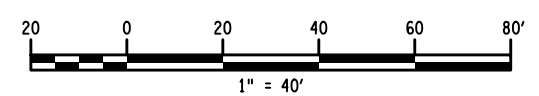
ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP:

- LEGEND**
- WORK SPACE
 - TEMPORARY BARRIER
 - CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
 - TEMPORARY SIGN, ITEM 619.01
 - TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
 - DIRECTION OF TRAFFIC
 - IMPACT ATTENUATOR

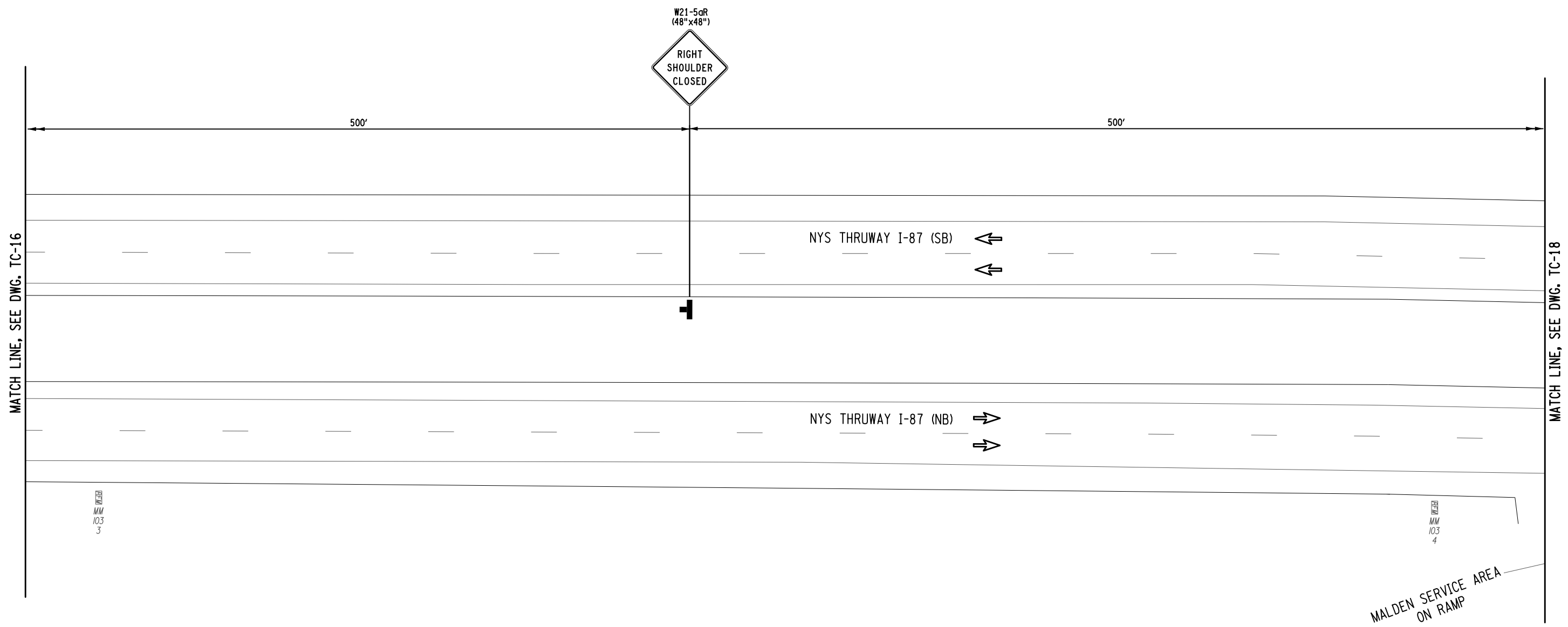
**I-87 MAINLINE - MEDIAN
WORK ZONE TRAFFIC CONTROL PLAN**

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

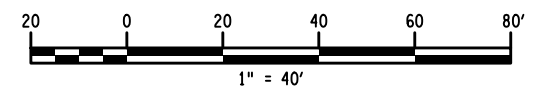


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN	DRAWING NUMBER: TC-16



**I-87 MAINLINE - MEDIAN
WORK ZONE TRAFFIC CONTROL PLAN**

- LEGEND**
- WORK SPACE
 - TEMPORARY BARRIER
 - CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
 - TEMPORARY SIGN, ITEM 619.01
 - TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
 - DIRECTION OF TRAFFIC
 - IMPACT ATTENUATOR



FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 02-OCT-2025 15:34
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmpx11-pr-svc

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 10/02/2025 SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: <div style="text-align: center;"> </div>
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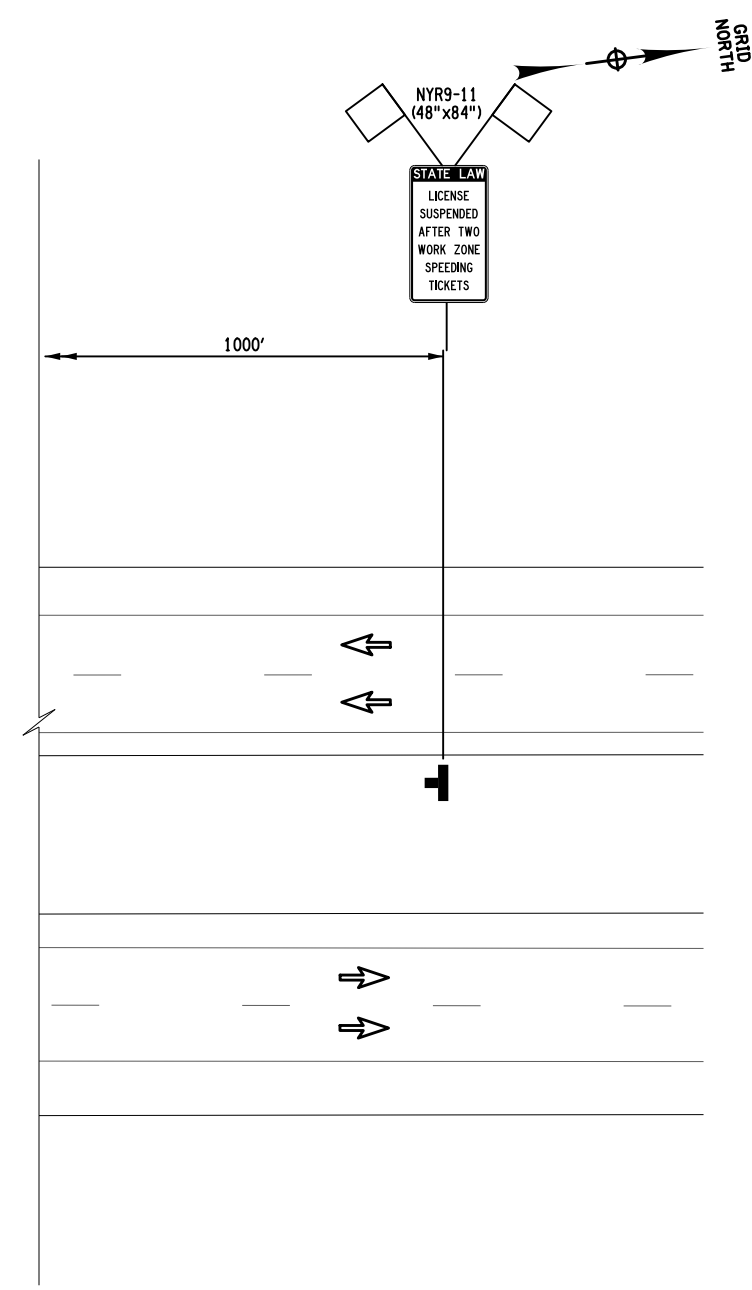
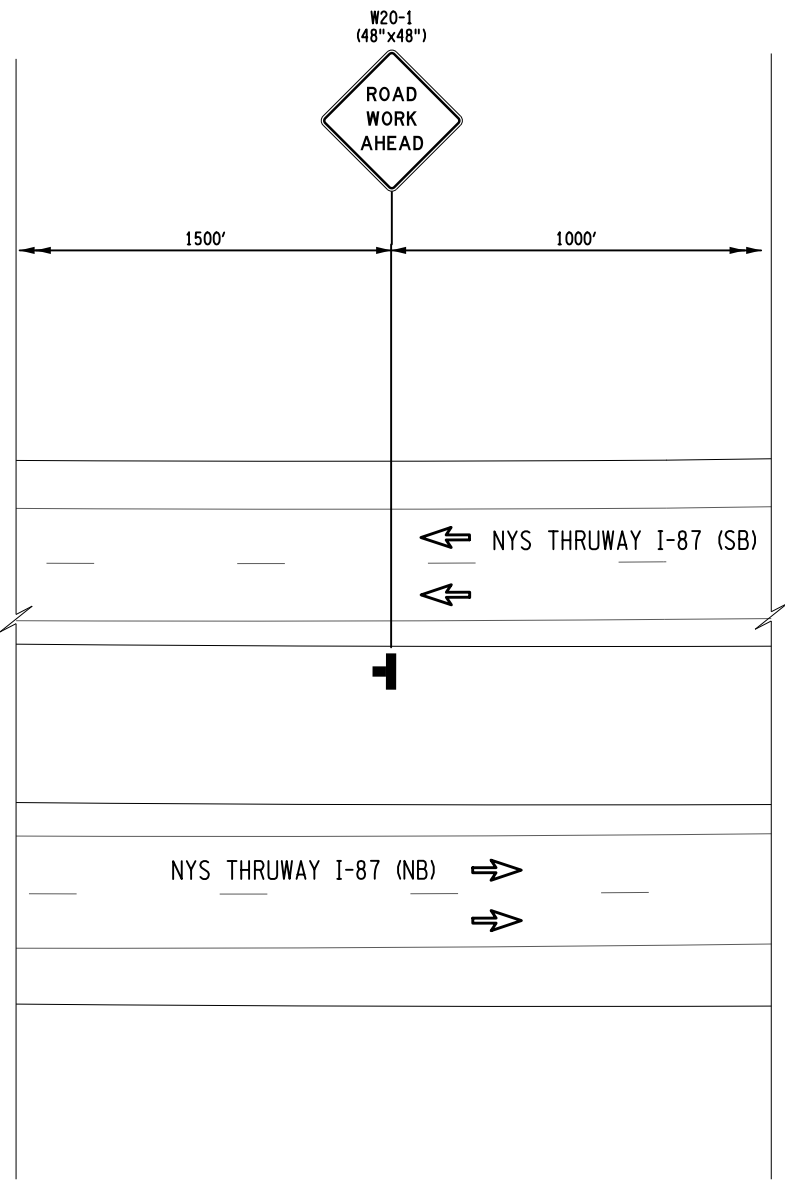
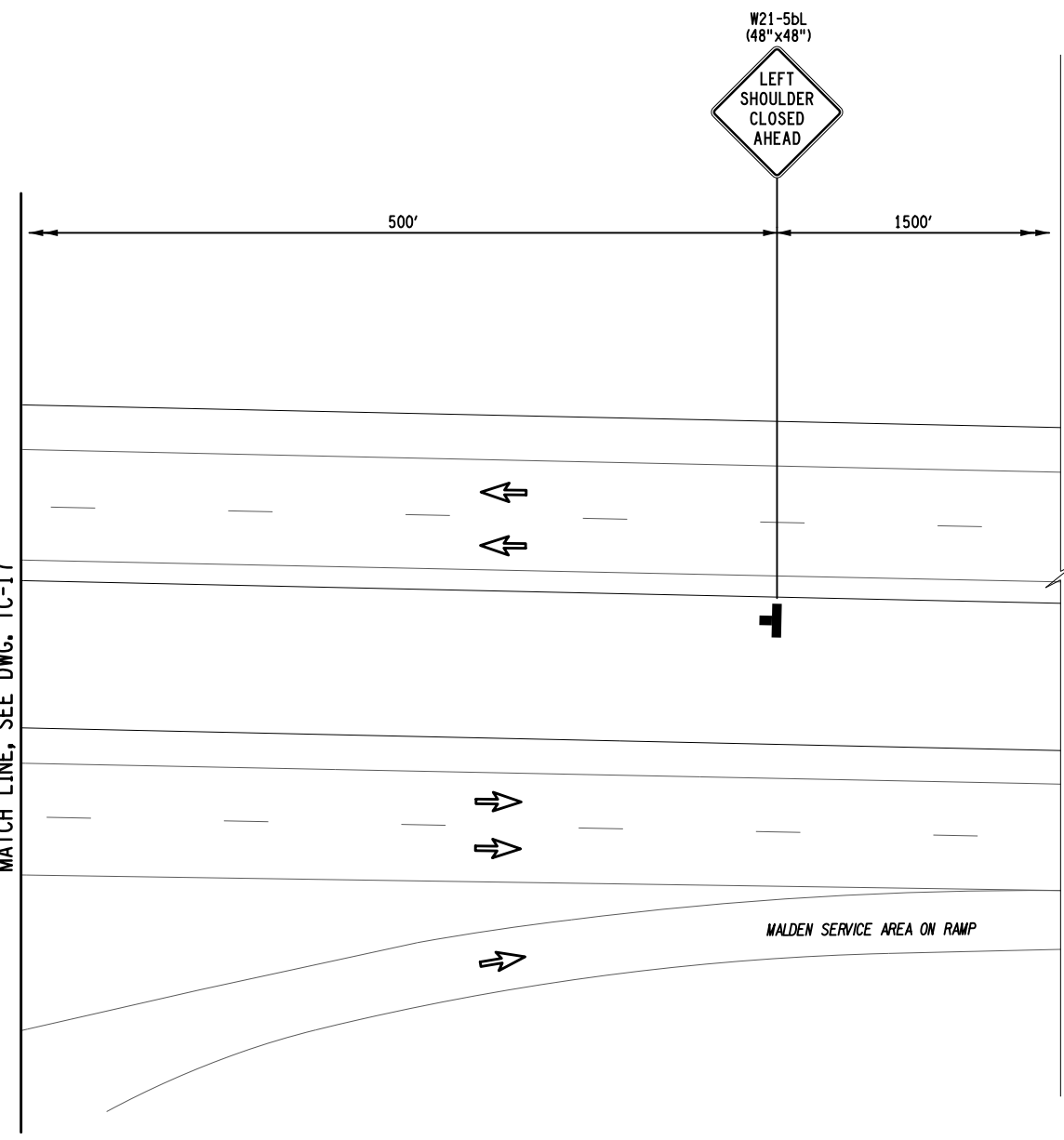
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN	DRAWING NUMBER: TC-17

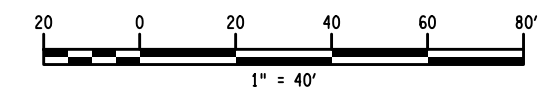
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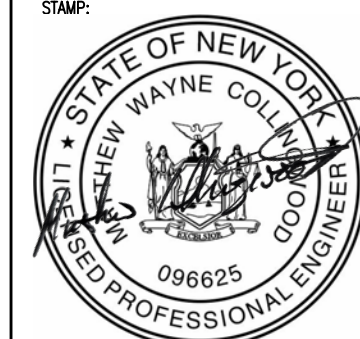
MATCH LINE, SEE DWG. TC-17



**I-87 MAINLINE - MEDIAN
 WORK ZONE TRAFFIC CONTROL PLAN**



- LEGEND**
- WORK SPACE
 - TEMPORARY BARRIER
 - CHANNELIZING DEVICE @ 40 FT. SPACING, ITEM 619.01
 - TEMPORARY SIGN, ITEM 619.01
 - TYPE III BARRICADE @ 40 FT. SPACING, ITEM 619.04
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SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD 

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 	TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING WORK ZONE TRAFFIC CONTROL ABUTMENT PROTECTION PLAN		DRAWING NUMBER: TC-18

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 DATE/TIME = 02-OCT-2025 15:33
 DESIGN R. JABLONSKI
 USER = jmtpr11-pr-svc
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
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HORIZONTAL CONTROL TABLE				
H.C.L. POINT	H.C.L. STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
COUNTY ROUTE 34 (MALDEN TURNPIKE)				
P.O.B.	M 10+00.00	1194031.713	637378.978	BEGIN ALIGNMENT
P.C.	M 17+07.12	1193738.726	638022.547	P.C. CURVE M1
P.I.	M 20+03.67 BK =	1193615.855	638292.441	P.I. CURVE M1
	M 19+98.92 AH =			(R = 1900)
P.T.	M 22+95.47	1193581.074	638586.941	P.T. CURVE M1
P.C.	M 32+68.51	1193466.948	639553.266	P.C. CURVE M2
P.I.	M 34+36.45 BK =	1193447.251	639720.049	P.I. CURVE M2
	M 34+36.43 AH =			(R = 12000)
P.T.	M 36+04.37	1193432.228	639887.318	P.T. CURVE M2
P.O.E.	M 44+81.60	1193353.760	640761.029	END ALIGNMENT
I-87 SOUTHBOUND				
P.O.B.	SB 10+00.00	1193828.970	639212.762	BEGIN ALIGNMENT
P.O.E.	SB 16+49.83	1193184.457	639129.840	END ALIGNMENT
I-87 NORTHBOUND				
P.O.B.	NB 10+00.00	1193820.048	639282.109	BEGIN ALIGNMENT
P.O.E.	NB 16+49.81	1193175.673	639198.216	END ALIGNMENT



CURVE M1
 PC = STA. M 17+07.12
 PT = STA. M 22+95.47
 R = 1900.00'
 L = 588.35'
 T = 296.55'
 Δ = 17°-44'-31"
 emax = N.C.

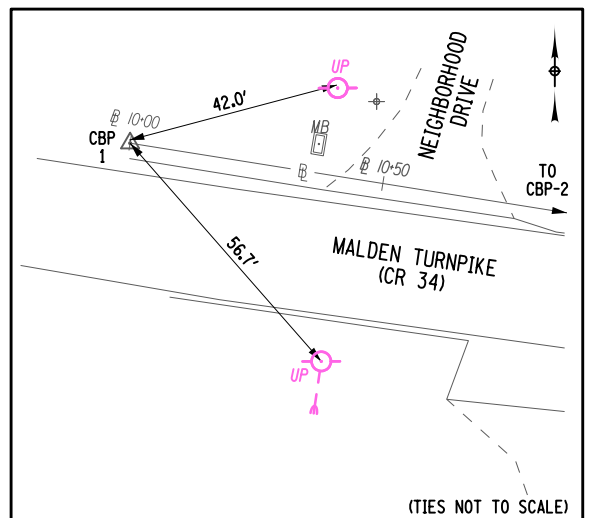
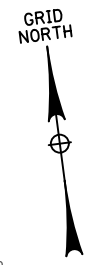
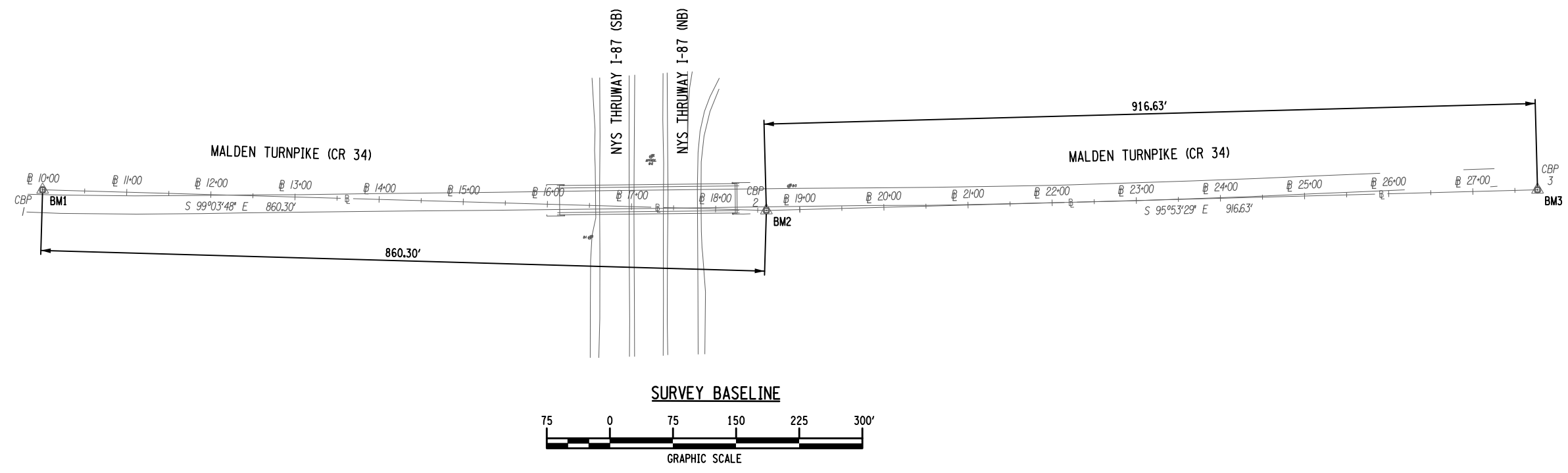
CURVE M2
 PC = STA. M 32+68.51
 PT = STA. M 36+04.37
 R = 12000.00'
 L = 335.86'
 T = 167.94'
 Δ = 01°-36'-13"
 emax = N.C.

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: 

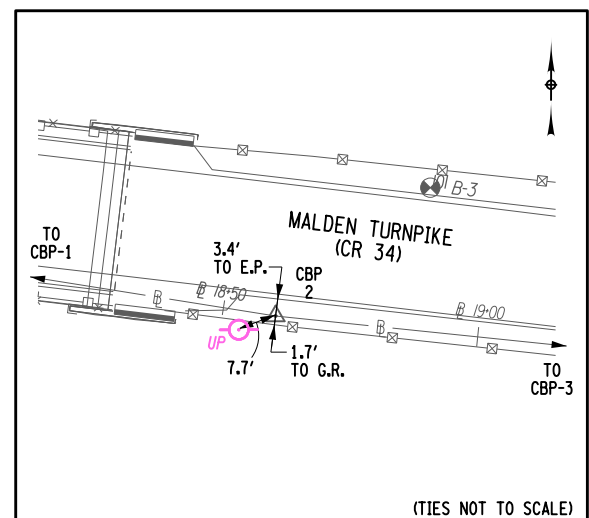
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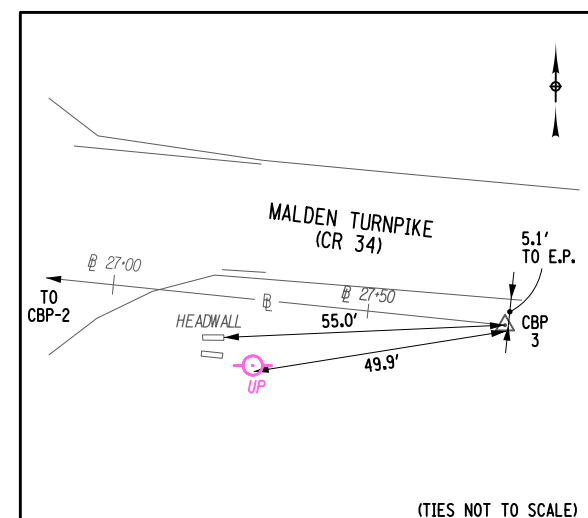
	TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
	TITLE OF DRAWING SURVEY CONTROL DATA	DRAWING NUMBER: SCD-01



CBP-1
 @ STA. 10+00.00
 CAPPED REBAR SET NORTH OF MALDEN TURNPIKE (CR 34),
 WEST OF BRIDGE OVER THRUWAY (I-87)
 NAD83 (2011) ZONE E. ZONE
 N: 1193612.113'
 E: 638494.178'
 ELEV: 155.36'



CBP-2
 @ STA. 18+60.30
 CAPPED REBAR SET SOUTH OF MALDEN TURNPIKE (CR 34),
 EAST OF BRIDGE OVER THRUWAY (I-87)
 NAD83 (2011) ZONE E. ZONE
 N: 1193476.591'
 E: 639343.740'
 ELEV: 160.24'



CBP-3
 @ STA. 27+76.93
 CAPPED REBAR SET SOUTH OF MALDEN TURNPIKE (CR 34),
 EAST OF INTERSECTION WITH SPARLING ROAD
 NAD83 (2011) ZONE E. ZONE
 N: 1193382.508'
 E: 640255.526'
 ELEV: 143.21'

BM NO.	STATION	ELEVATION	NORTHING	EASTING	DESCRIPTION
1	@ 10.00.00	155.36'	1193612.113	638494.178	CAPPED IRON ROD
2	@ 18+60.30	160.24'	1193476.591	639343.740	CAPPED IRON ROD
3	@ 27+76.93	143.21'	1193382.508	640255.526	CAPPED IRON ROD

ALTERED ON: _____ AFFIXED ON: 10/02/2025

SIGNATURE: _____ STAMP: _____
 SIGNATURE: MATTHEW WAYNE COLLINGWOOD
 STAMP: _____

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LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING SURVEY CONTROL DATA	DRAWING NUMBER: SCD-1

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 DATE/TIME = 02-OCT-2025 15:31
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 CHECK M. COLLINGWOOD
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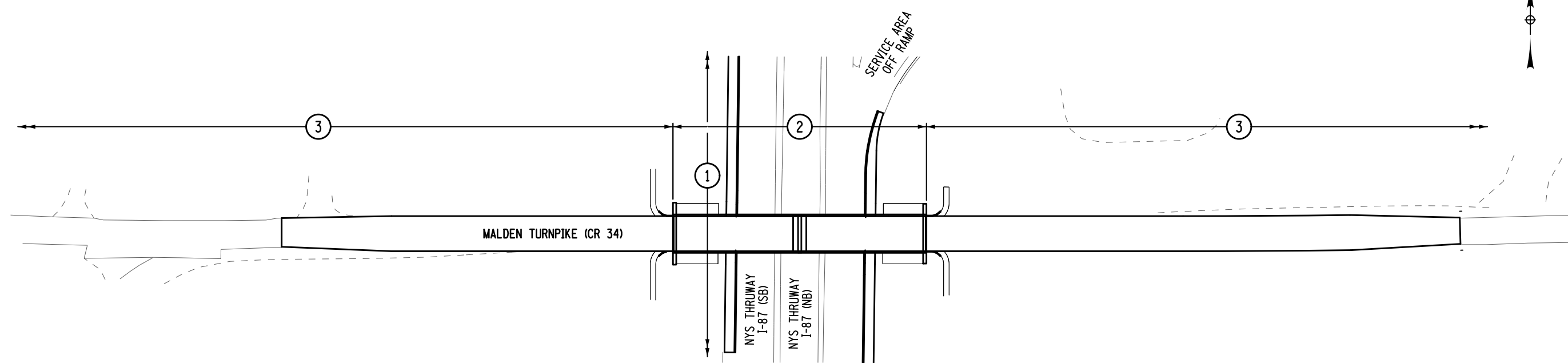


TABLE OF MAINTENANCE JURISDICTION							
PART NO	HIGHWAY	LIMITS	FEATURES TO BE MAINTAINED	C M	LANE M	AGENCY	AUTHORITY
ROADWAYS							
1	INTERSTATE I-87		MAINLINE ROADWAY INCLUDING PAVEMENT, SHOULDERS, DRAINAGE SYSTEM, GUIDE RAIL, BARRIER, SIGNING AND STRIPING			NYSTA	SECTION 340-b HIGHWAY LAW
2	MOLDEN TURPIKE BRIDGE B.I.N. 5515590 OVER I-87		ALL BRIDGE FEATURES AND SUPPORTS			NYSTA	SECTION 340-b HIGHWAY LAW
3	MALDEN TURMPIKE (CR 34)	STA 13+39.08 TO STA 82+61.68	MAINLINE ROADWAY INCLUDING PAVEMENT, SHOULDERS, DRAINAGE SYSTEM, GUIDE RAIL, BARRIER, SIGNING AND STRIPING	1.31	2.73	ULSTER COUNTY	SECTION 12 HIGHWAY LAW
CONTROL OF SNOW AND ICE							
1	INTERSTATE I-87		CONTROL OF SNOW AND ICE			NYSTA	SECTION 340-b HIGHWAY LAW
2 & 3	MALDEN TURMPIKE (CR 34)	STA 13+39.08 TO STA 82+61.68	CONTROL OF SNOW AND ICE	1.31	2.73	ULSTER COUNTY	SECTION 12 HIGHWAY LAW

+ FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 02-OCT-2025 15:34
 DESIGN
 R. JABLONSKI
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	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
	TITLE OF DRAWING MAINTENANCE JURISDICTION PLAN	DRAWING NUMBER: MJP-01

GUIDE RAILING - INSTALLATION									
STATION	STATION	OFFSET	RADIUS	LENGTH	ITEM 606.10 (LF)	ITEM 606.100002 (LF)	ITEM 606.120101 (EA)	ITEM 606.120201 (EA)	REMARKS
M 24+96.00		RT						1.0	
M 25+20.00	M 27+86.00	LT			266.0				
M 25+33.00		RT						1.0	
M 25+54.00	M 27+86.00	RT			232.0				
M 30+51.00	M 35+20.00	LT			469.0				
M 35+20.00		LT						1.0	
M 30+51.00	M 36+84.00	RT			164.0				
M 36+84.00		RT						1.0	
SB 12+08.00	SB 15+54.00	LT			146.0				TIE BEGIN AND END OF RUN INTO EXISTING
NB 11+34.00	NB 12+06.00	RT			72.0				TIE BEGIN RUN INTO EXISTING
NB 12+06.00	NB 15+10.00	RT	100			304.0			
NB 15+10.00		RT					1.0		
TOTALS					1349.0	304.0	1.0	4.0	

GUIDE RAIL REMOVAL TABLE							
STATION	STATION	SIDE	ITEM 606.71 (LF)	ITEM 606.73 (LF)	ITEM 606.7910 (EA)	ITEM 606.7920 (EA)	REMARKS
M 23+75.00		RT			1.0		
M 23+77.00	M 27+87.00	RT	410				
M 25+00.00		LT			1		
M 25+02.00	M 27+87.00	LT	285				
M 30+34.00	M 35+02.00	LT	468				
M 30+34.00	M 36+86.00	RT	652				
M 35+02.00		LT			1		
M 36+88.00		RT			1		
SB 12+08.00	SB 15+54.00	LT		346			
NB 11+34.00	NB 15+08.00	RT	374				
NB 15+10.00		RT				1	
TOTAL			2189.0	346.0	4.0	1.0	


GUIDE RAIL ITEM DESCRIPTION TABLE		
ITEM	DESCRIPTION	UNITS
606.10	BOX BEAM GUIDE RAILING	LF
606.100002	BOX BEAM GUIDE RAILING (SHOP BENT OF SHOP MITERED)	LF
606.120101	BOX BEAM END PIECE	EA
606.120201	BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE IIA	EA
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING TURNED DOWN TERMINAL	EA

EROSION CONTROL ITEMS			
STATION TO STATION	SIDE	LENGTH (FEET)	
		ITEM 209.13	ITEM 607.41010010
24+40 TO 28+50	EB		410
25+05 TO 28+49	EB	344	
25+17 TO 28+49	WB	332	
29+84 TO 34+42	EB	458	
29+84 TO 34+20	WB	436	
14+12 TO 14+62	SB	50	
11+46 TO 12+52	NB	106	
TOTAL		1726	410

CUTTING PAVEMENT TABLE			
STATION	STATION	SIDE	ITEM 627.50140008 (LF)
M 24+47.50		LT/RT	24.0
M 34+21.07		LT/RT	24.0
SB 11+07		RT	10.0
SB 11+07	SB 14+28	RT	321.0
SB 14+28		RT	10.0
NB 12+07		LT	10.0
NB 12+07	NB 15+05	LT	298.0
NB 15+05		LT	10.0
TOTAL			707.0

MIARDS INSTALLATION TABLE			
STATION	STATION	SIDE	ITEM 649.01 (LF)
SB 11+07	SB 14+28	RT	321.0
NB 12+06	NB 15+05	LT	299.0
TOTAL			620.0

SNOWPLOW MARKERS			
STATION	OFFSET	ITEM	
		646.22 (EA)	646.32 (EA)
M 25+20	18' LT	1	1
M 25+60	18' RT	2	1
M 28+00	18' LT	1	1
M 28+00	18' RT	2	1
M 30+40	18' LT	2	1
M 30+40	18' RT	1	1
M 35+10	18' LT	2	1
M 36+40	18' RT	1	1
NB 15+00	83' LT	2	1
SUPPLEMENTAL		7	7
TOTALS		21	16

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: 

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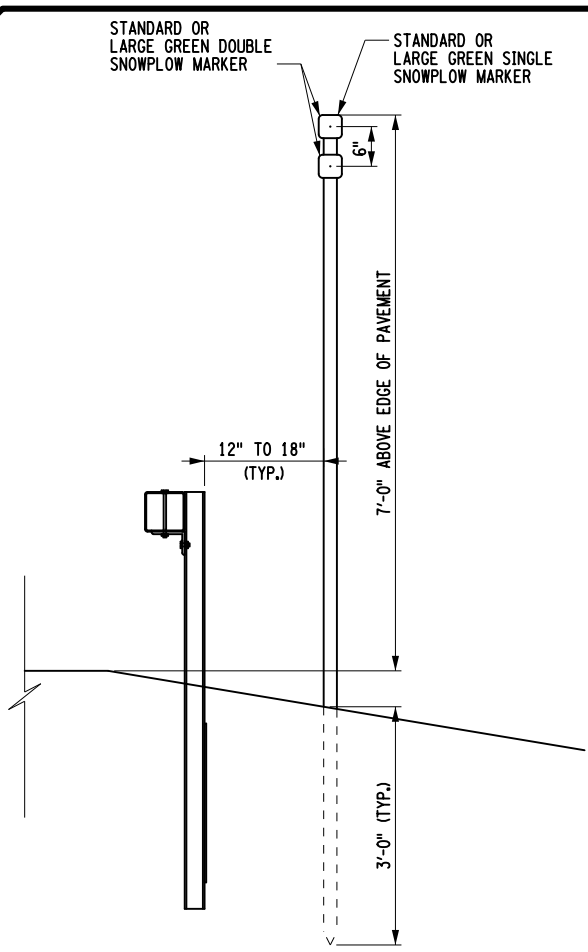
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



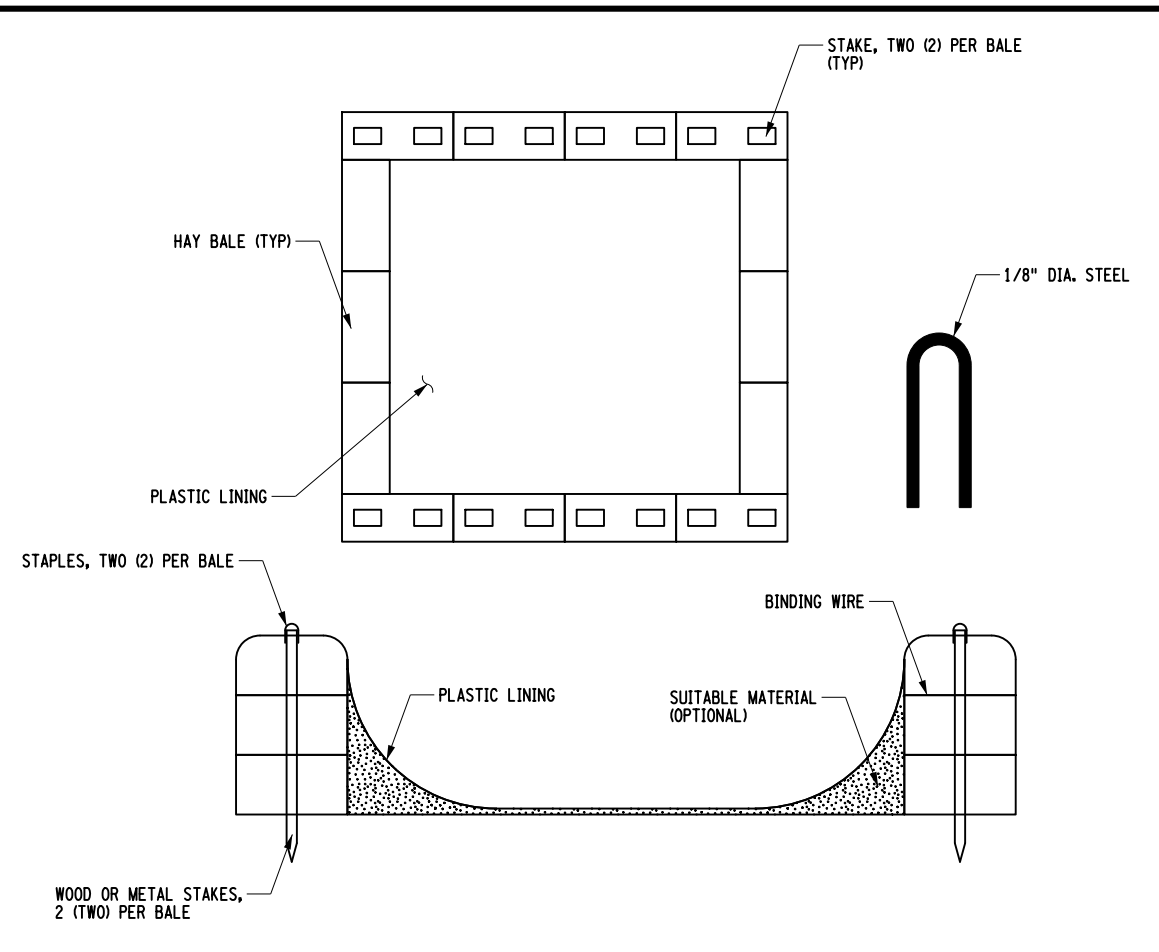
TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING MISCELLANEOUS TABLES	DRAWING NUMBER: MST-01

FILE NAME = DATE/TIME = 02-OCT-2025 15:33 DESIGN SUPERVISOR M. COLLINGWOOD CHECK R. JABLONSKI DRAFTING M. COLLINGWOOD CHECK T. BURTNICK USER = jmtpx11-pr-svc

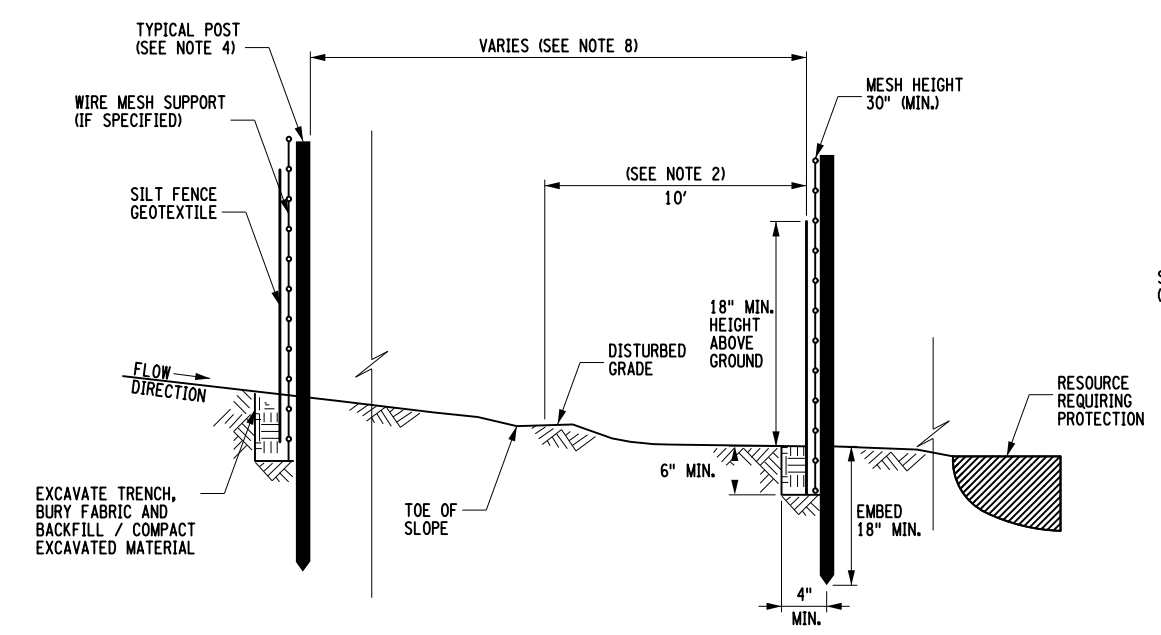
M. COLLINGWOOD
 CHECK
 T. BURTNICK
 DRAFTING
 M. COLLINGWOOD
 M. COLLINGWOOD
 CHECK
 R. JABLONSKI
 DESIGN
 M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 02-OCT-2025 15:33
 USER = jmpw11-pr-svc
 FILE NAME =



SNOWPLOW MARKER
NTS



CONCRETE WASHOUT DETAIL
NTS



SILT FENCE - TEMPORARY
NTS

- GENERAL NOTES**
- SILT FENCE OR SEDIMENT FILTER LOGS SHALL BE INSTALLED ON A LINE OF EQUAL ELEVATION (CONTOUR). IT MAY BE INSTALLED AT INTERMEDIATE POINTS UP SLOPE AS WELL AS AT THE BOTTOM.
 - FOR LOCATIONS THAT WARRANT PLACEMENT OF SILT FENCE OR SEDIMENT FILTER LOGS AT THE BASE OF SLOPES, SILT FENCE OR SEDIMENT FILTER LOGS SHALL BE PLACED A MINIMUM OF 10 FEET FROM THE TOE OF THE SLOPE, TO PROVIDE ADEQUATE AREA FOR SEDIMENT STORAGE AND FACILITATE MAINTENANCE OF THE SEDIMENT CONTAINMENT AREA.
 - THE ENDS OF A ROW OF SILT FENCE OR SEDIMENT FILTER LOGS SHALL BE ANGLED UP SLOPE TO PREVENT CHANNELIZED FLOW FROM BEING CONVEYED PAST THE ENDS OF THE FENCE. A SECTION OF SILT FENCE OR SEDIMENT FILTER LOGS SHOULD NOT EXCEED 100 FEET IN LENGTH.
 - WOOD POSTS FOR SILT FENCE SHALL HAVE A CROSS-SECTION AREA OF 3.5 SQUARE INCHES OR STEEL POSTS SHALL BE "T" OR "U" SHAPE AND 1.33 POUNDS/FEET (MINIMUM) FOR STEEL. SPACING FOR THE PROVIDED SILT FENCE POSTS SHALL BE AS DESIGNATED ON THE DEPARTMENT APPROVED LIST FOR SILT FENCE. THE LENGTH OF SILT FENCE POSTS SHALL BE 40 INCHES. WOOD POSTS FOR SEDIMENT FILTER LOGS SHALL BE NOMINAL 2X2. THE LENGTH OF FILTER LOG POSTS SHALL BE 16" GREATER THAN THE DIAMETER OF THE LOG.
 - THE BOTTOM EDGE OF SILT FENCE SHALL BE BURIED A MINIMUM OF 6" BELOW GROUND. THE FENCE SHALL BE INSTALLED WITH THE POSTS ON THE DOWNSLOPE SIDE OF THE FABRIC.
 - WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED AND FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS, OR THE END POSTS OF THE TWO SECTIONS SHALL BE WRAPPED AS SHOWN IN THE DETAIL FOR SILT FENCE END WRAPPING.
 - SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE ABOVE GROUND HEIGHT OR WHEN BULGES DEVELOP IN THE FABRIC. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.
 - THE FOLLOWING ARE MAXIMUM SLOPE LENGTHS (DISTANCE BETWEEN ROWS FOR SILT FENCE INSTALLATION):

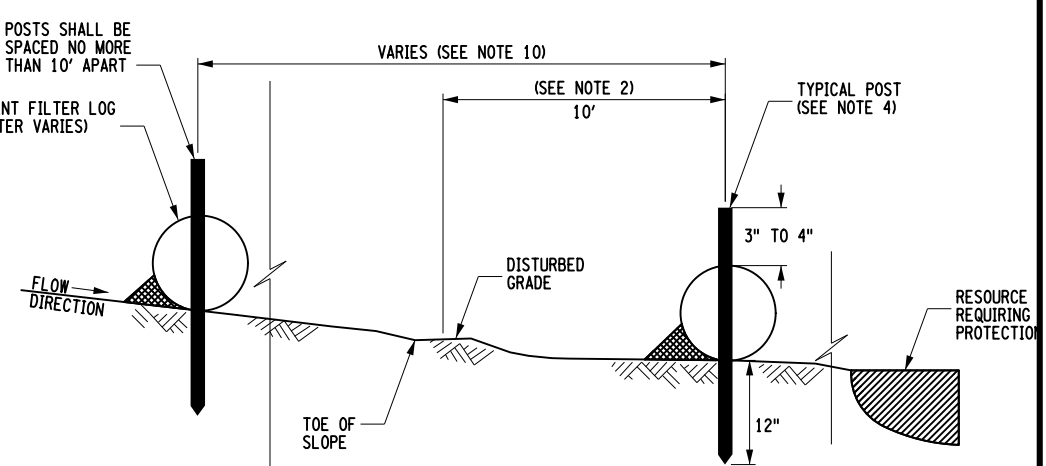
SILT FENCE MAXIMUM SLOPE LENGTH (FEET)			
SLOPE	STEEPNESS	STANDARD**	REINFORCED***
*5-10%	20:1 TO 10:1	125	250
10-20%	10:1 TO 5:1	100	150
20-33%	5:1 TO 3:1	60	80
33-50%	3:1 TO 2:1	40	70
> 50%	> 2:1	20	30

• FOR SLOPES LESS THAN 5% SILT FENCE IS NOT REQUIRED UNLESS IN SENSITIVE AREAS OR HIGHLY ERODIBLE SOILS.

** STANDARD SILT FENCE IS FABRIC ROLLS STAPLED TO WOODEN POSTS DRIVEN 18 INCHES INTO THE GROUND.

*** REINFORCED SILT FENCE IS FABRIC PLACED AGAINST WELDED WIRE MESH WITH ANCHORED STEEL POSTS DRIVEN 18 INCHES INTO THE GROUND.

DIA. (IN.)	SLOPE %						
	2	5	10	20	25	33	50
12	250	225	125	65	50	40	25
18	275	250	150	70	55	45	30
24	350	275	200	130	100	60	35



SEDIMENT FILTER LOG
NTS

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP:

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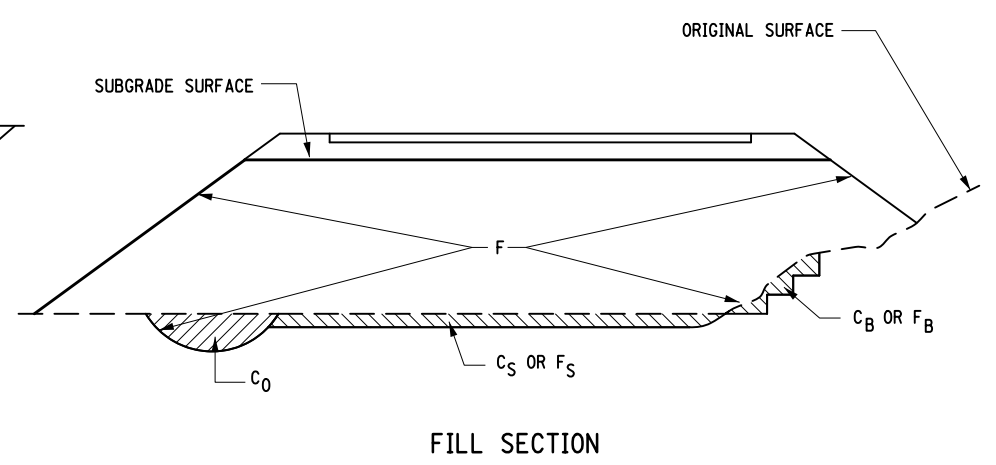
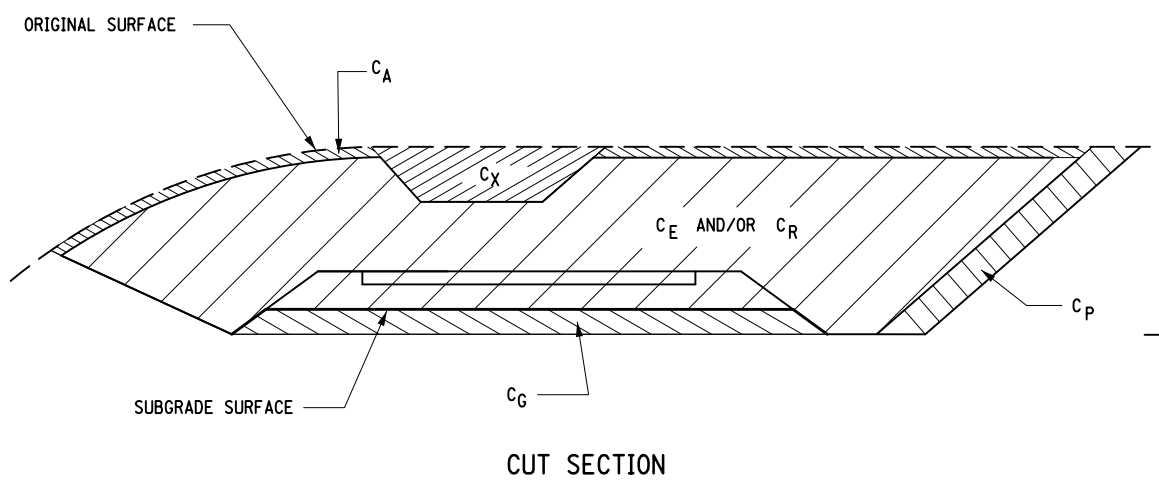
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
	TITLE OF DRAWING MISCELLANEOUS DETAILS	DRAWING NUMBER: MSD-01

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 02-OCT-2025 19:14
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmtpr11-pr-svc
 M. COLLINGWOOD
 CHECK
 T. BURTNICK
 CHECK
 M. COLLINGWOOD
 CHECK

**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
M 24+50.00 TO M 28+00.00	2785.75	120	819.63	3725.38	100
M 30+50.00 TO M 35+25.00	3482.41		998.83	4481.24	
NB 11+44.00 TO NB 14+47.00			309	309	
SB 12+21.00 TO SB 15+42.00			326	326	
TOTALS	6268.16	120	2453.46	8841.62	100



**SUMMARY OF TRENCH AND CULVERT EXCAVATION
(ITEM 206.0201 ONLY)**

SOURCE	EXCAVATION		ITEM 206.0201
	ROCK	NON-ROCK	
TOTALS			

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.

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:

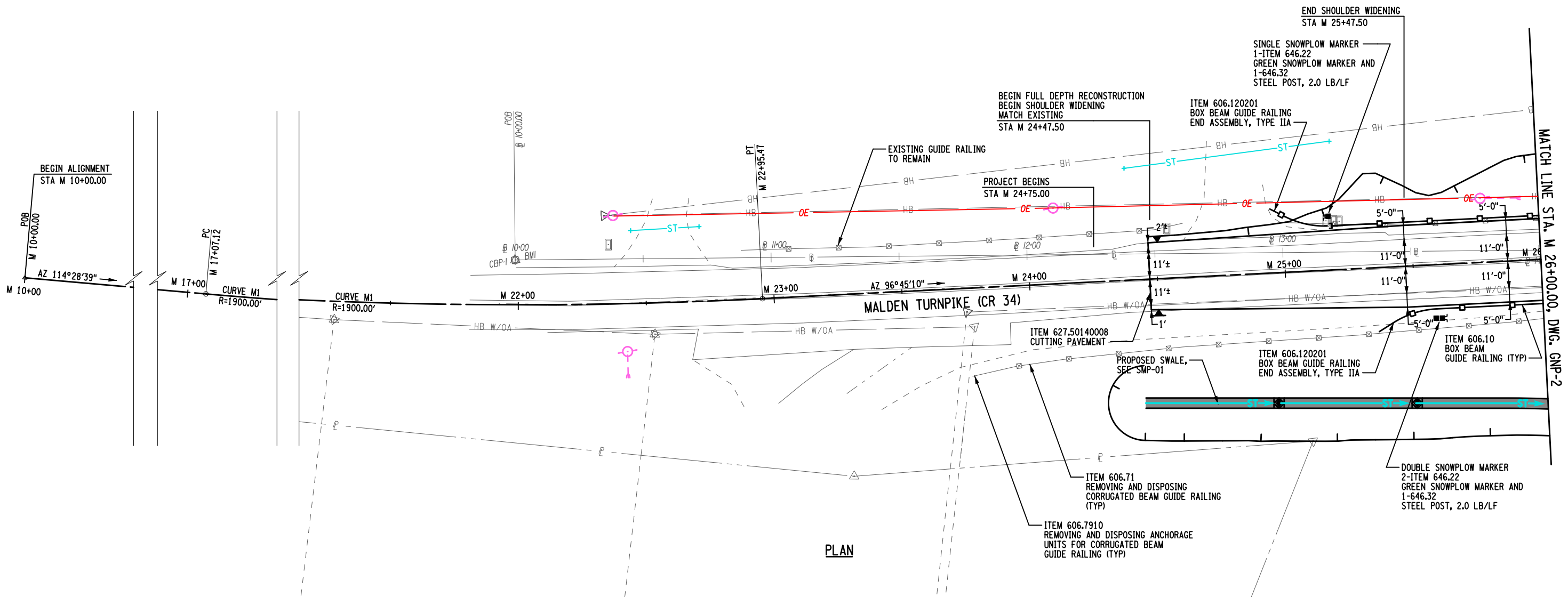
THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THESE TABLES ARE ESTIMATED, AND ARE PROVIDED FOR THE PURPOSE OF PREPARING AN ESTIMATE. THEY ARE NOT TO BE CONSTRUED AS BEING EXACT. THEY ARE INTENDED TO QUANTIFY AND QUALIFY THE NATURE OF THE WORK TO BE PERFORMED. SIGNIFICANT DIFFERENCE FROM THIS 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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

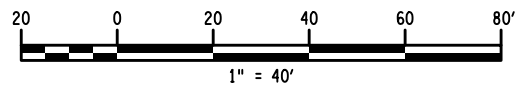


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING EARTHWORK SUMMARY	DRAWING NUMBER: ESS-01



PLAN

CURVE M1
 PC = STA. M 17+07.12
 PT = STA. M 22+95.47
 R = 1900.00'
 L = 588.35'
 T = 296.55'
 Δ = 17°-44'-31"
 e_{max} = N.C.



1. SEE GUIDE RAIL INSTALLATION TABLE, DWG MST-01.
2. SEE GUIDE RAIL REMOVAL TABLE, DWG MST-01.


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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



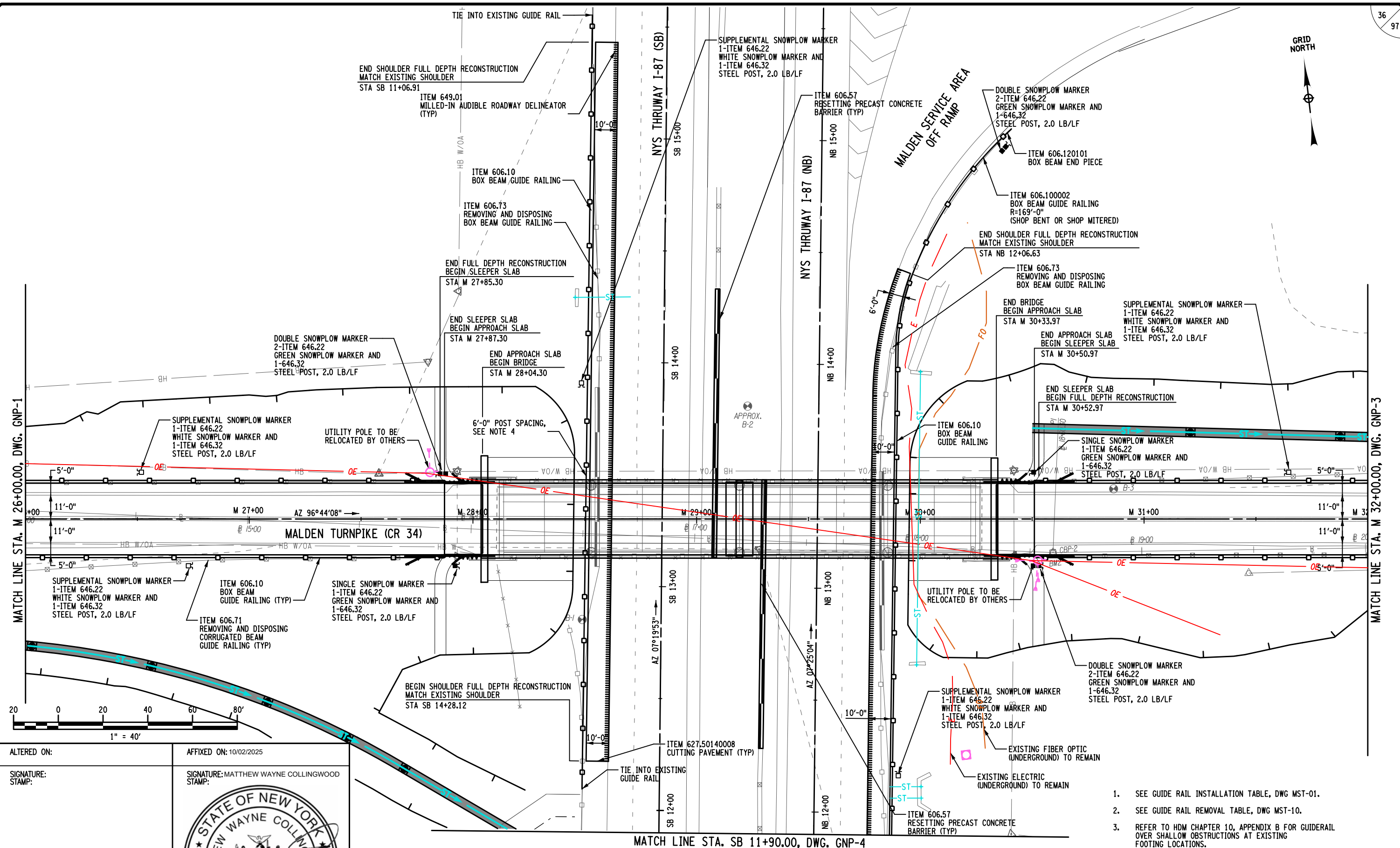
TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING GENERAL PLANS	DRAWING NUMBER: GNP-01

USER = jmtpx11-pr-svc
 DATE/TIME = 02-OCT-2025 15:31
 FILE NAME =
 DESIGN SUPERVISOR M. COLLINGWOOD
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD
 T. BURTNICK
 CHECK M. COLLINGWOOD

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: 



FILE NAME = M. COLLINGWOOD
DESIGN SUPERVISOR
DATE/TIME = 02-OCT-2025 15:31
DESIGN R. JABLONSKI
CHECK M. COLLINGWOOD
DRAFTING T. BURTNICK
CHECK M. COLLINGWOOD
USER = jmpw11-pr-svc



ALTERED ON:

SIGNATURE: STAMP:

AFFIXED ON: 10/02/2025

SIGNATURE: MATTHEW WAYNE COLLINGWOOD
STAMP:

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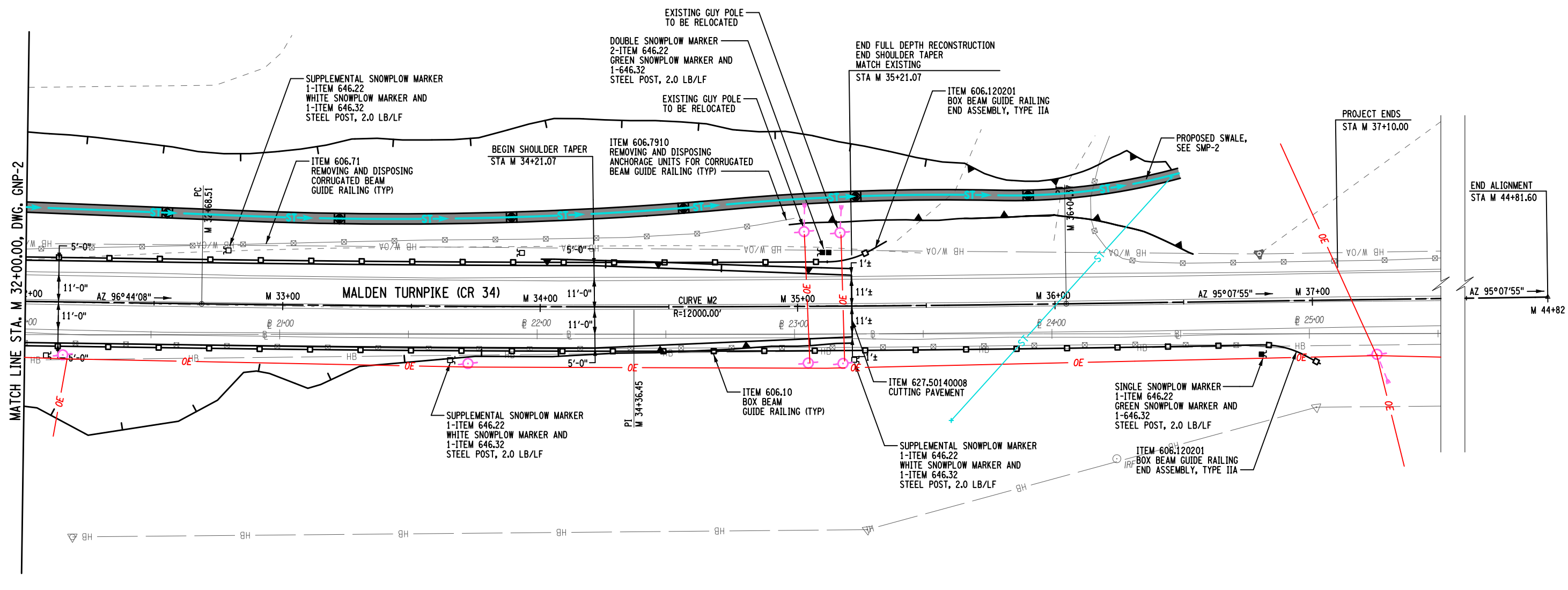
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



- SEE GUIDE RAIL INSTALLATION TABLE, DWG MST-01.
- SEE GUIDE RAIL REMOVAL TABLE, DWG MST-10.
- REFER TO HDM CHAPTER 10, APPENDIX B FOR GUIDERAIL OVER SHALLOW OBSTRUCTIONS AT EXISTING FOOTING LOCATIONS.

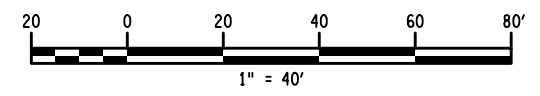
TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING GENERAL PLANS	DRAWING NUMBER: GNP-02

FILE NAME = DATE/TIME = 02-OCT-2025 15:31 DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmpw11-pr-svc



PLAN

CURVE M2	
PC	= STA. M 32+68.51
PT	= STA. M 36+04.37
R	= 12000.00'
L	= 335.86'
T	= 167.94'
Δ	= 01°-36'-13"
emax	= N.C.



1. SEE GUIDE RAIL INSTALLATION TABLE, DWG MST-01.
2. SEE GUIDE RAIL REMOVAL TABLE, DWG MST-01.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

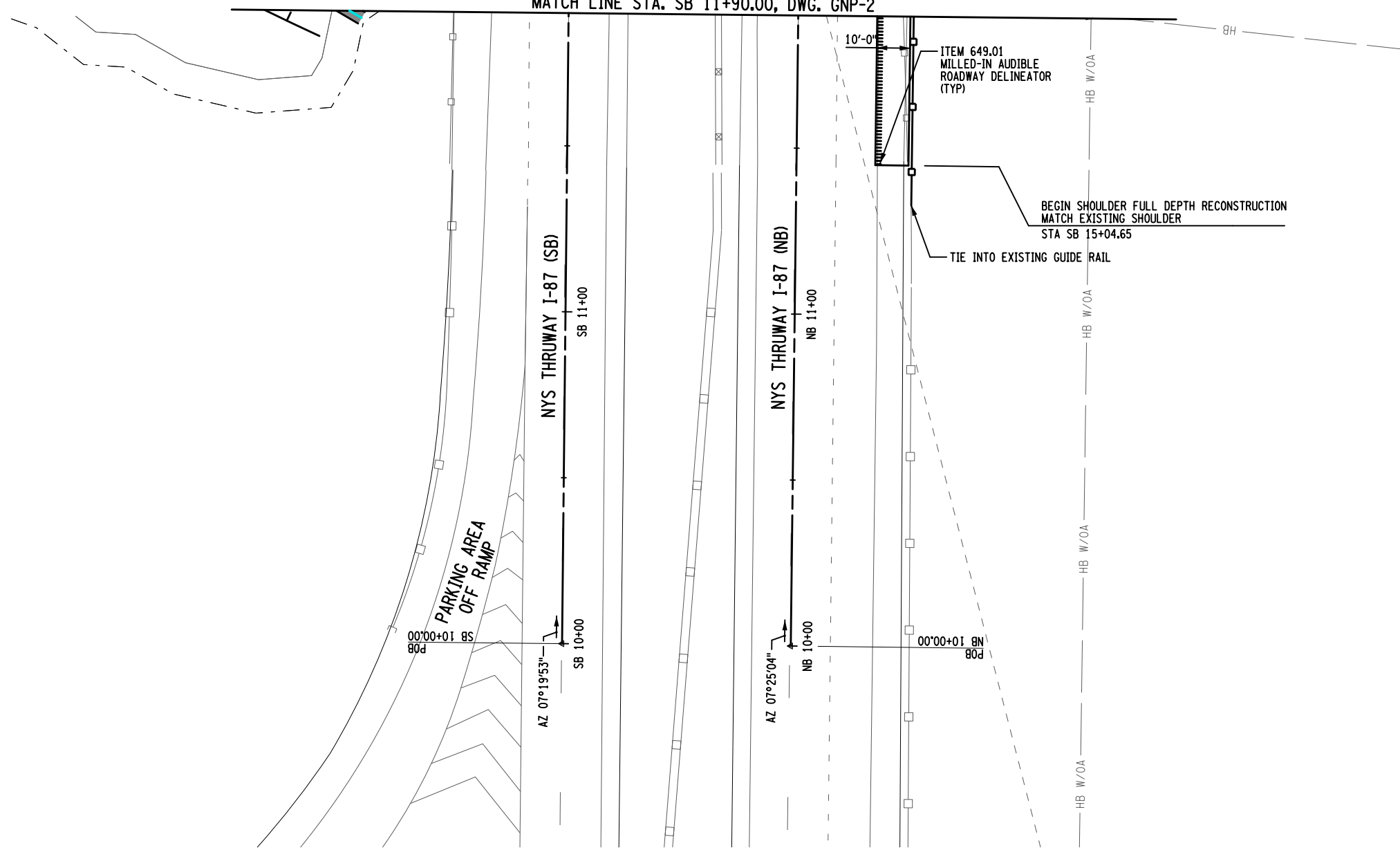


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING GENERAL PLANS	DRAWING NUMBER: GNP-03

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP:




MATCH LINE STA. SB 11+90.00, DWG. GNP-2



PLAN

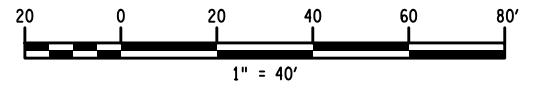
USER = jmtpx11-pr-svc
 DATE/TIME = 02-OCT-2025 15:31
 DESIGN SUPERVISOR M. COLLINGWOOD
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 FILE NAME =

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: 

NOTES:

- SEE GUIDE RAIL INSTALLATION TABLE, DWG MST-01.
- SEE GUIDE RAIL REMOVAL TABLE, DWG MST-01.

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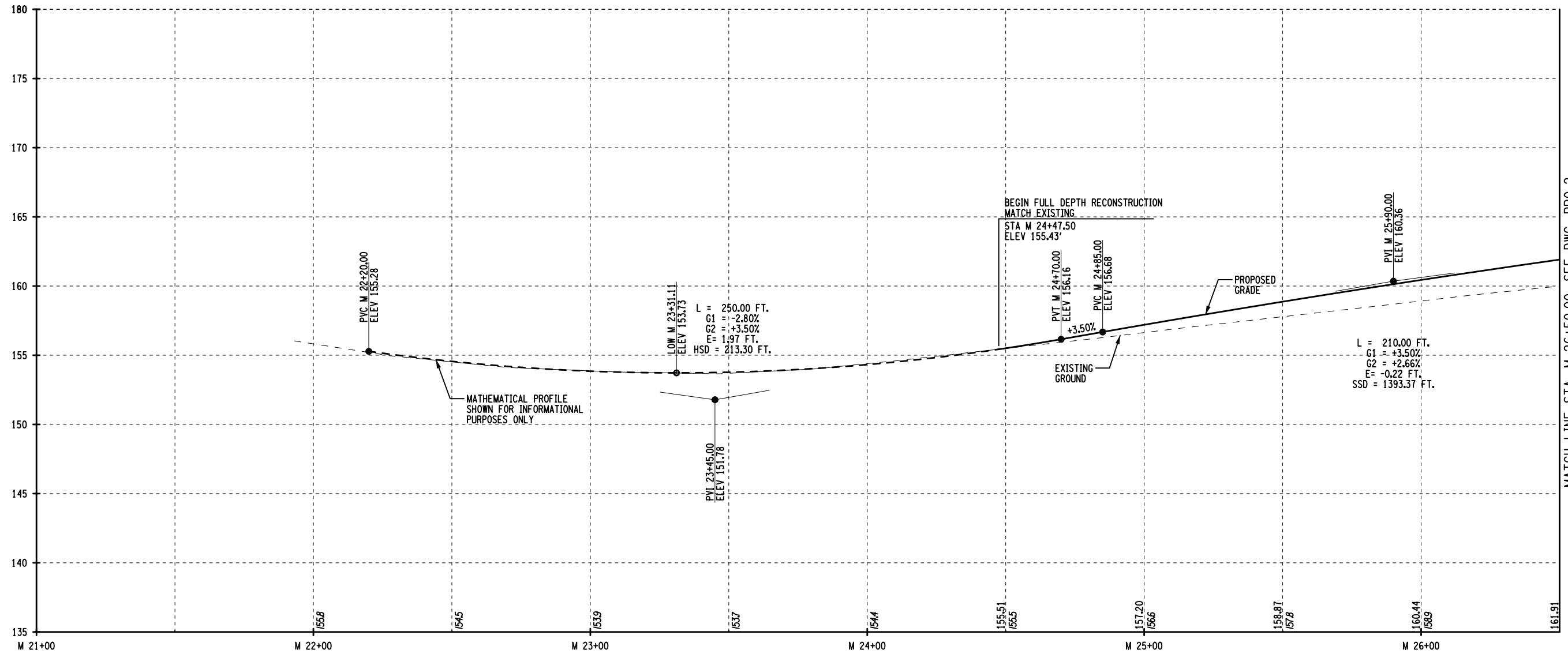


REVISIONS			
DATE	DESCRIPTION	BY	SYM.




TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING GENERAL PLANS	DRAWING NUMBER: GNP-04

FILE NAME = USER = jmtpx11-pr-svc DATE/TIME = 02-OCT-2025 15:31 DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD



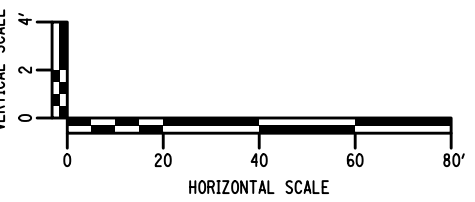
PROFILE - MALDEN TURNPIKE (CR 34)

MATCH LINE STA. M 26+50.00, SEE DWG. PRO-2

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: 

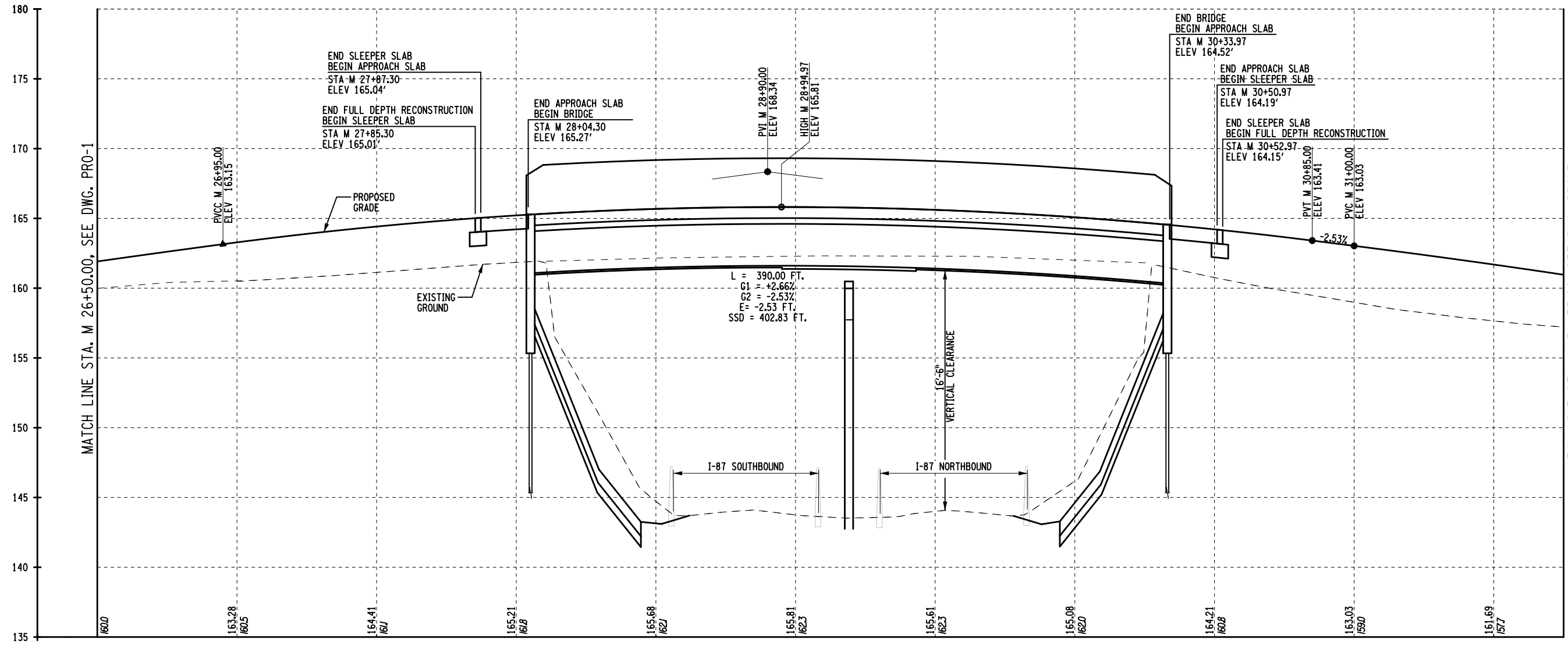
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

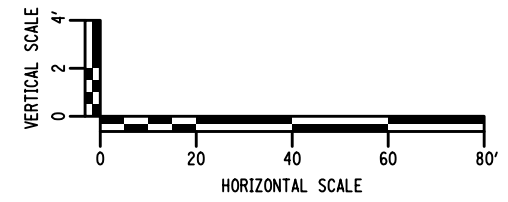


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING PROFILE	DRAWING NUMBER: PRO-01

FILE NAME = DATE/TIME = 02-OCT-2025 15:31 DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmpw11-pr-svc



PROFILE - MALDEN TURNPIKE (CR 34)



ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP:

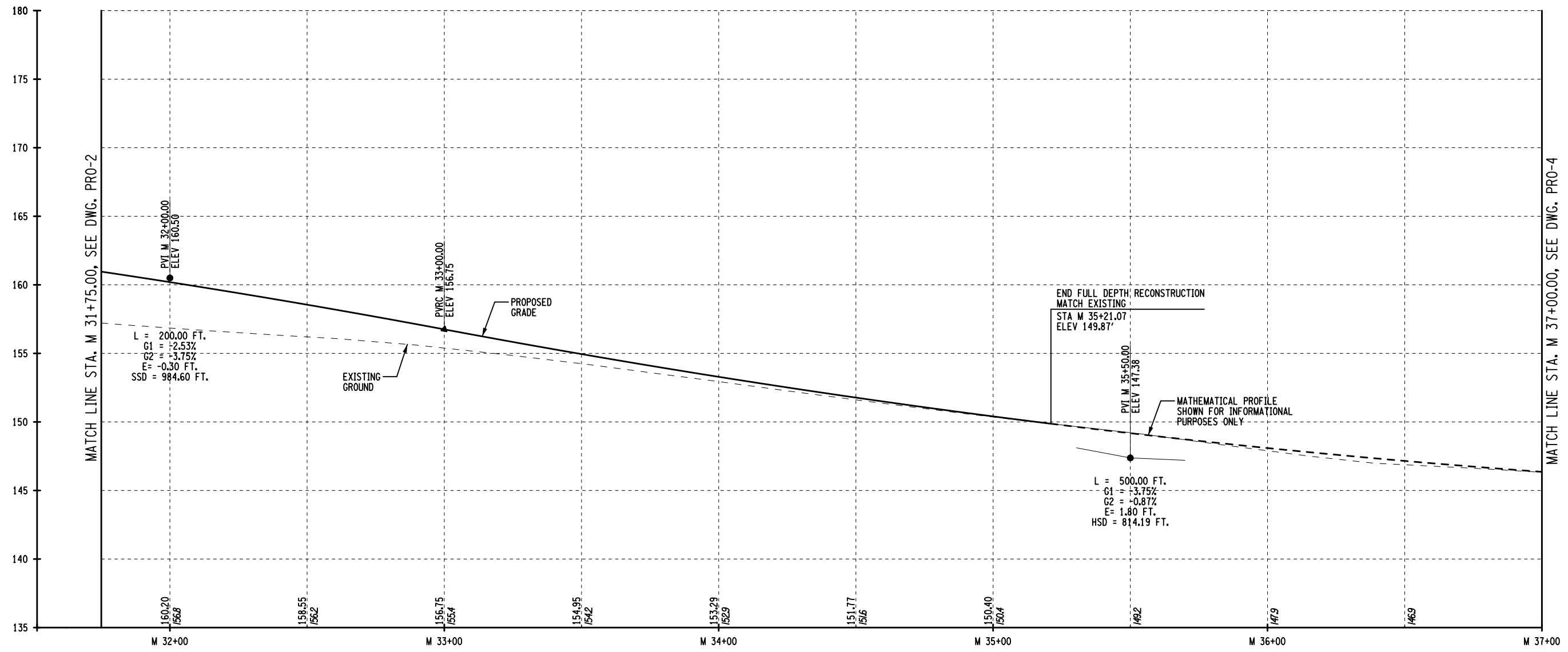
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

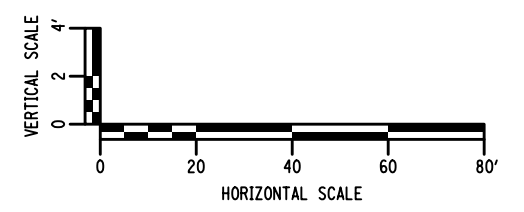


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING PROFILE	DRAWING NUMBER: PRO-02

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PROFILE - MALDEN TURNPIKE (CR 34)



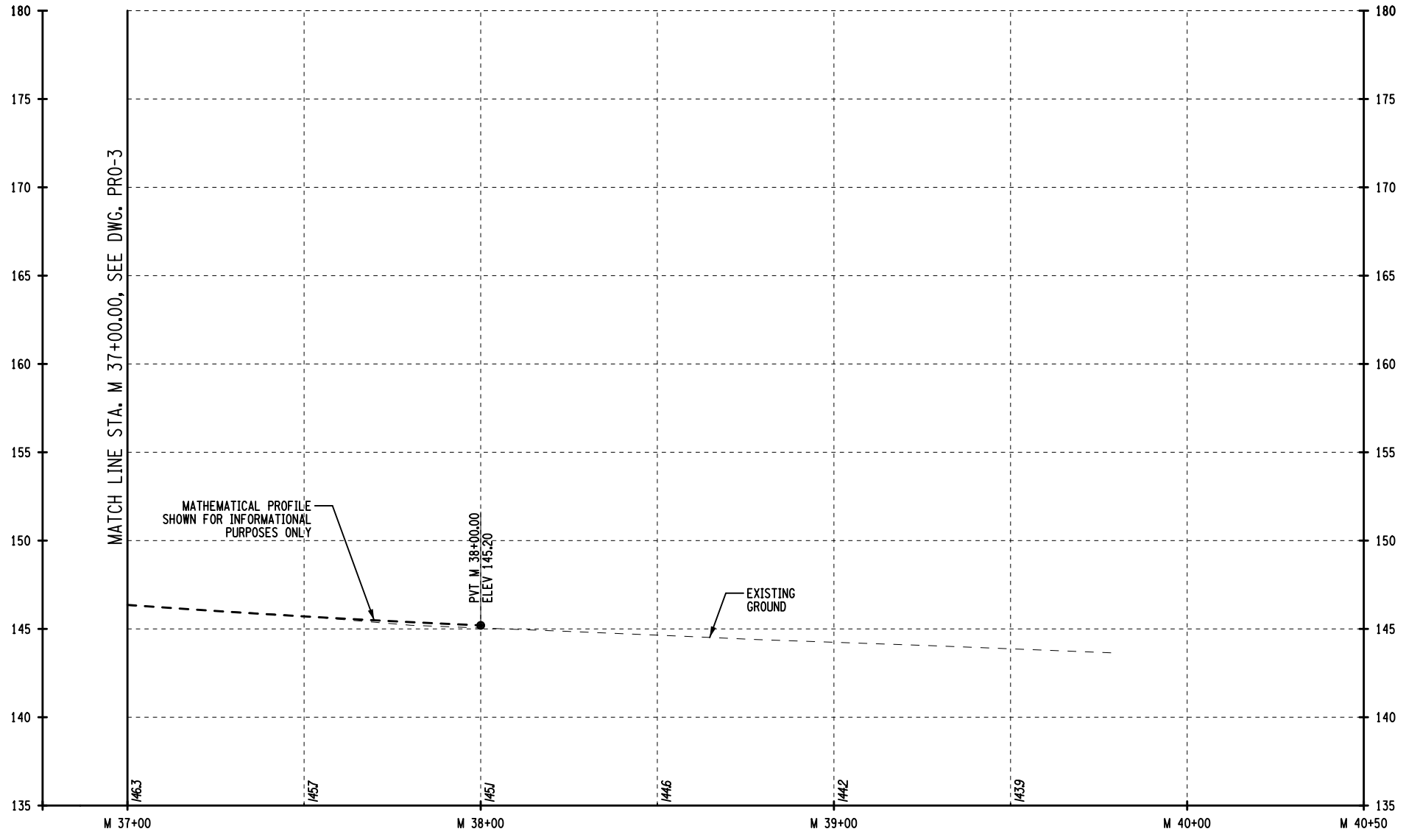
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SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP:

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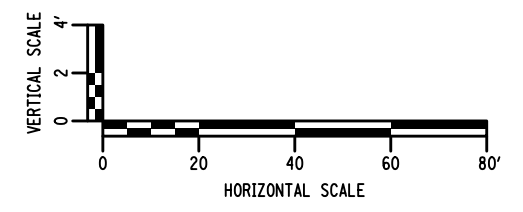
REVISIONS			
DATE	DESCRIPTION	BY	SYM.


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING PROFILE	DRAWING NUMBER: PRO-03

FILE NAME = DATE/TIME = 02-OCT-2025 15:32 USER = jmtpx11-pr-svc DESIGN SUPERVISOR M. COLLINGWOOD DESIGN R. JABLONSKI CHECK M. COLLINGWOOD DRAFTING T. BURTNICK CHECK M. COLLINGWOOD



PROFILE- MALDEN TURNPIKE (CR 34)



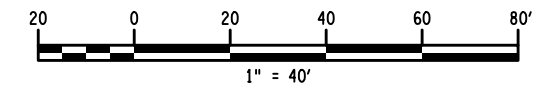
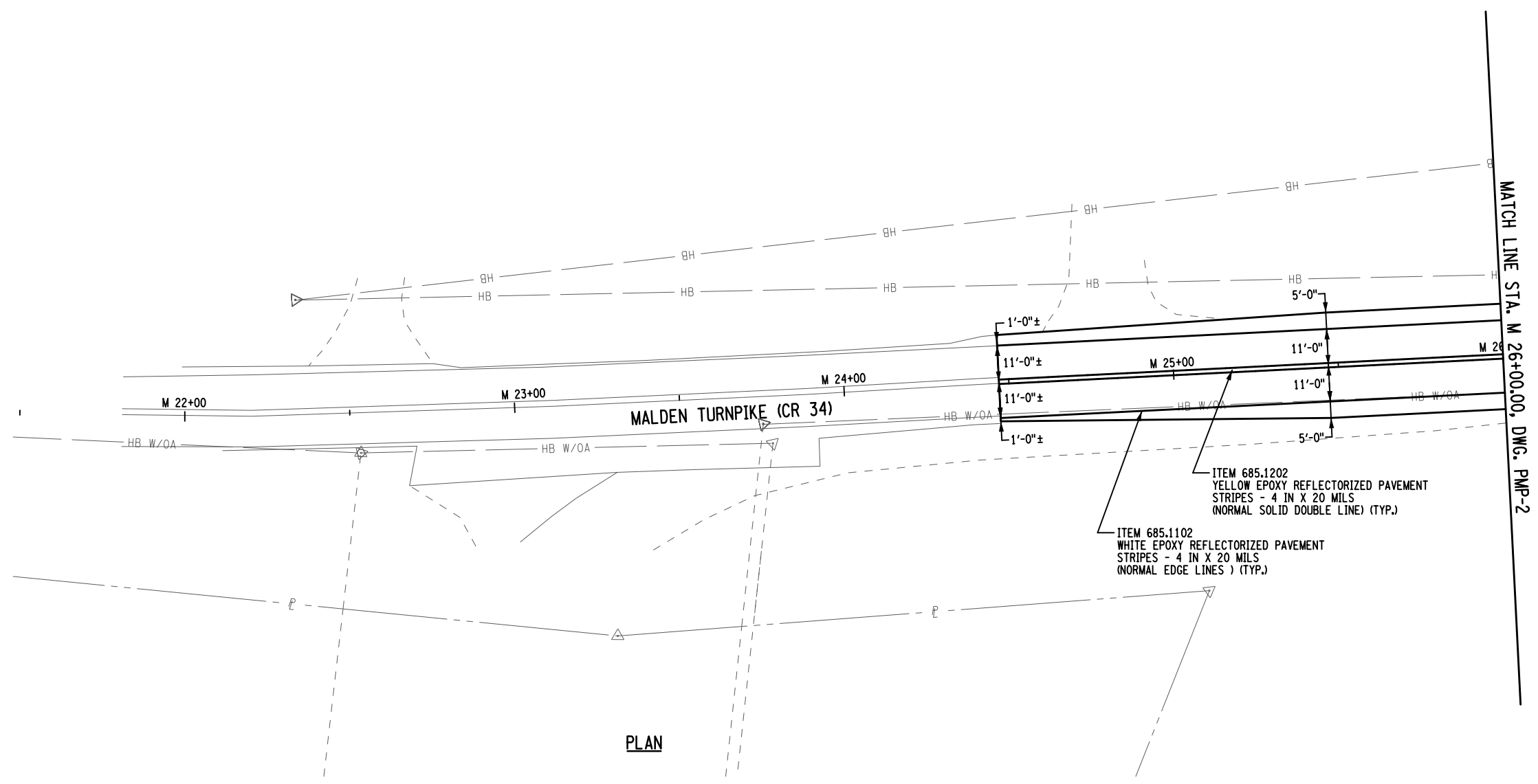
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SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: 

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 MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING PROFILE	DRAWING NUMBER: PRO-04



FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 02-OCT-2025 15:33
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmpx11-pr-svc

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 10/02/2025 SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: <div style="text-align: center;"> </div>
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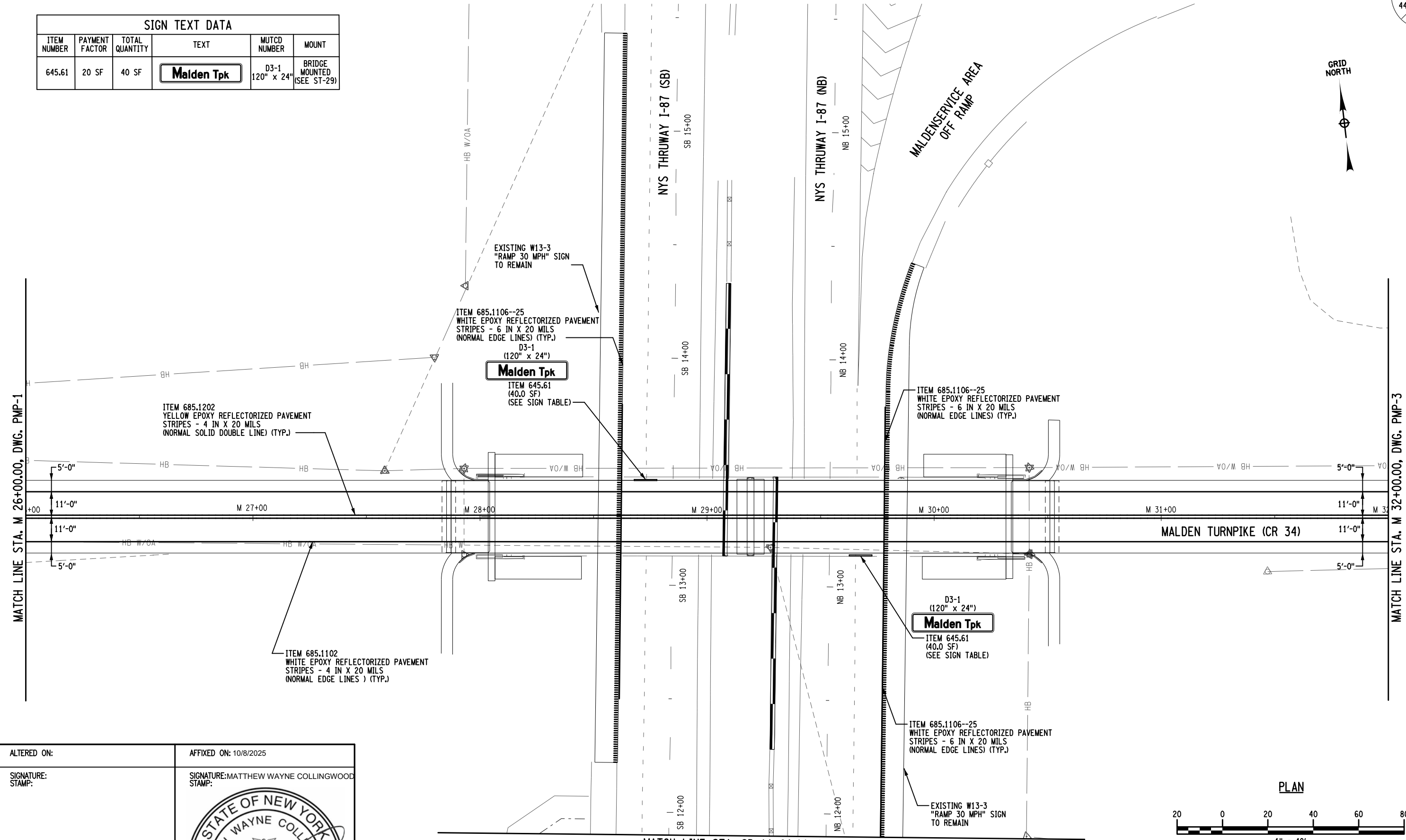
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87 LOCATION OF PROJECT ALBANY DIVISION MP 103.16	CONTRACT NUMBER: TAA-25-27B DATE: 10/02/2025 DRAWING NUMBER: PMP-01
	TITLE OF DRAWING PAVEMENT MARKING PLAN	

USER = Tburtnick
 CHECK
 DRAFTING
 M. COLLINGWOOD
 T. BURTNICK
 CHECK
 R. JABLONSKI
 DESIGN
 M. COLLINGWOOD
 DATE/TIME = 08-OCT-2025 12:26
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 DESIGN SUPERVISOR

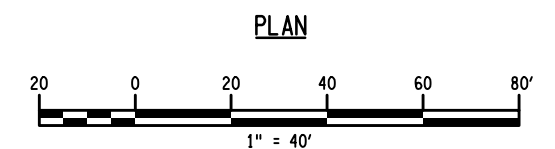
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ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT	MUTCD NUMBER	MOUNT
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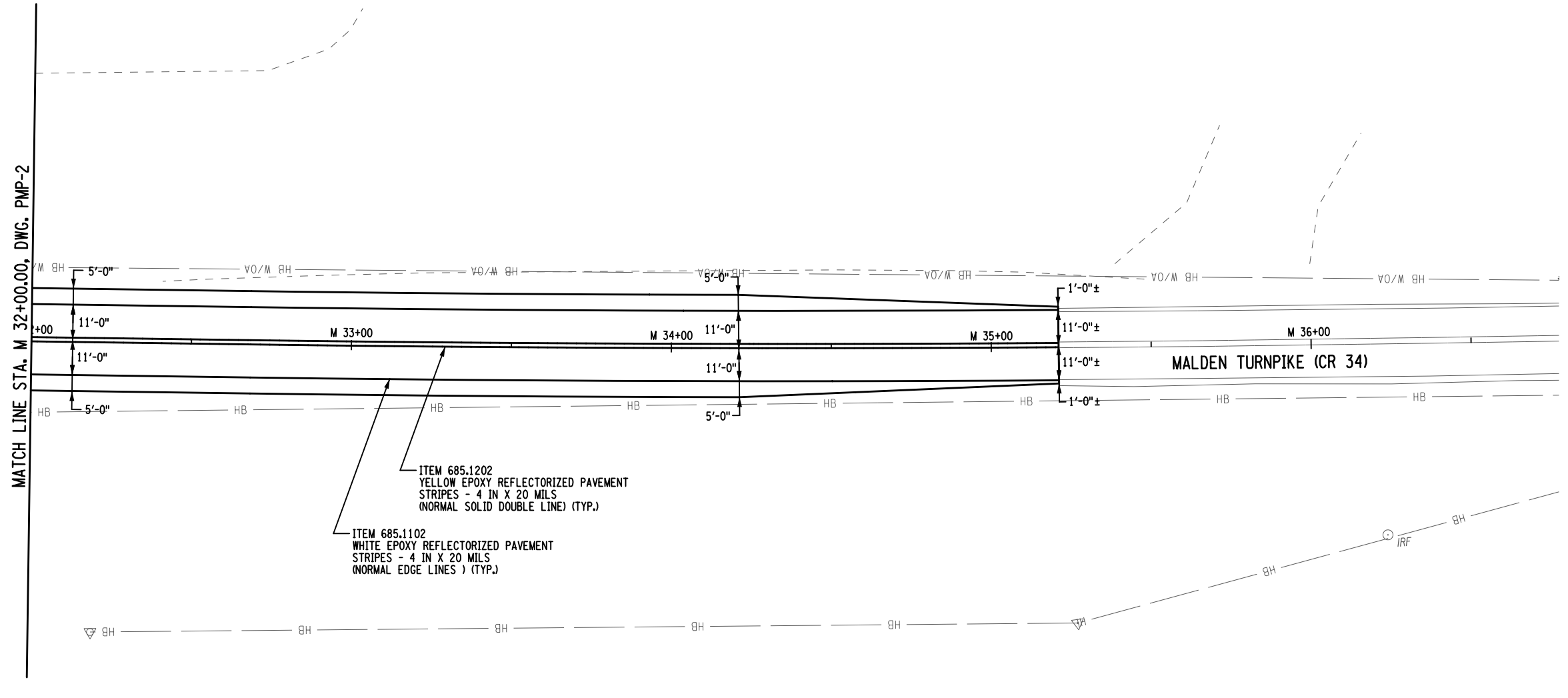
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.




TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING PAVEMENT MARKING PLAN	DRAWING NUMBER: PMP-02



MATCH LINE STA. M 32+00.00, DWG. PMP-2

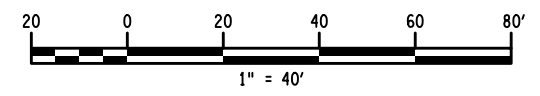
PLAN

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 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 02-OCT-2025 15:33
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmpw11-pr-svc

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP: 

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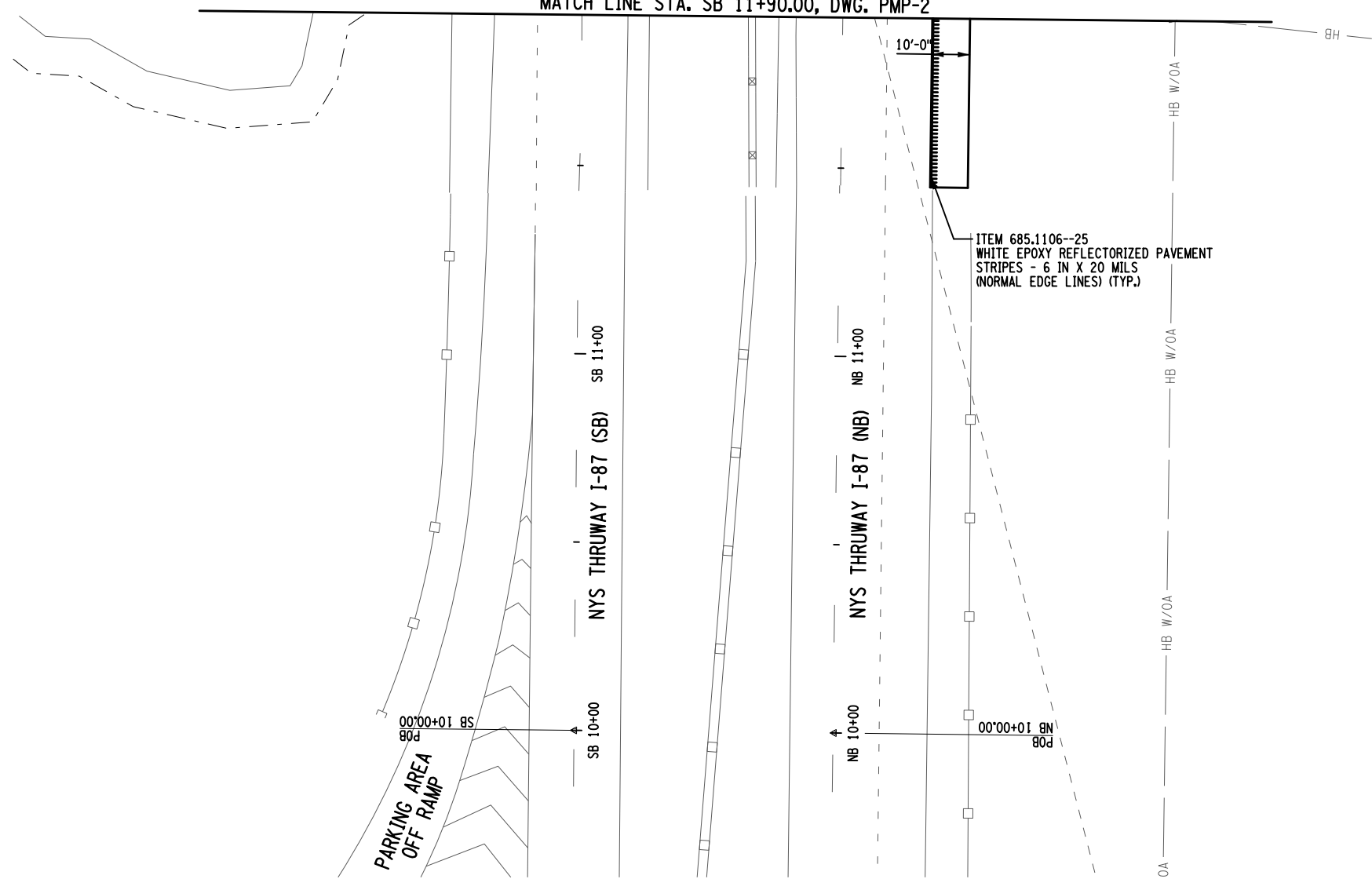
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DATE	DESCRIPTION	BY	SYM.



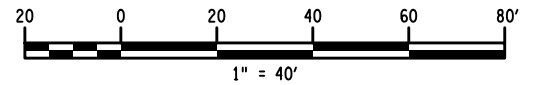
TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING PAVEMENT MARKING PLAN	DRAWING NUMBER: PMP-03




MATCH LINE STA. SB 11+90.00, DWG. PMP-2



PLAN



FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 02-OCT-2025 15:33
 DESIGN
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 CHECK
 M. COLLINGWOOD
 DRAFTING
 T. BURTNICK
 CHECK
 M. COLLINGWOOD
 USER = jmtpx11-pr-svc

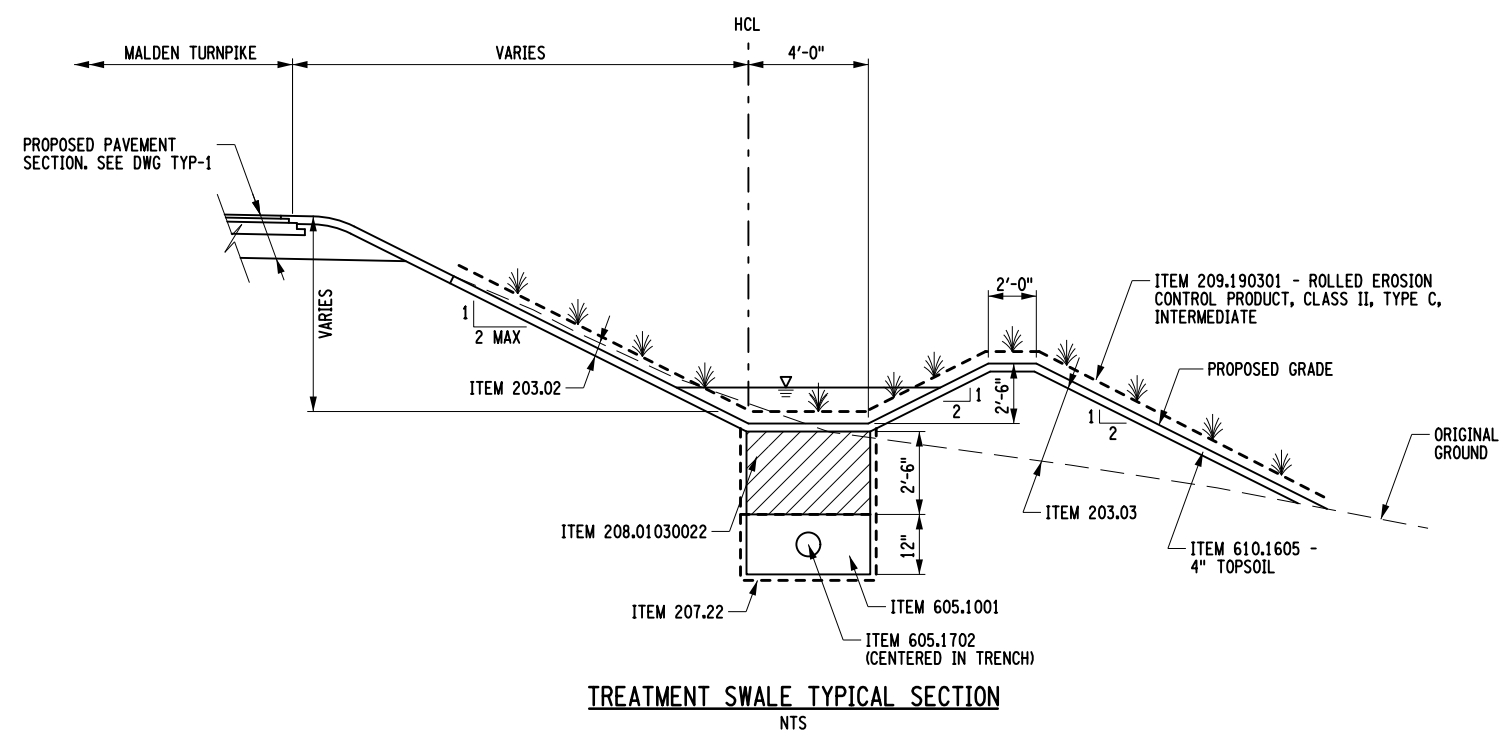
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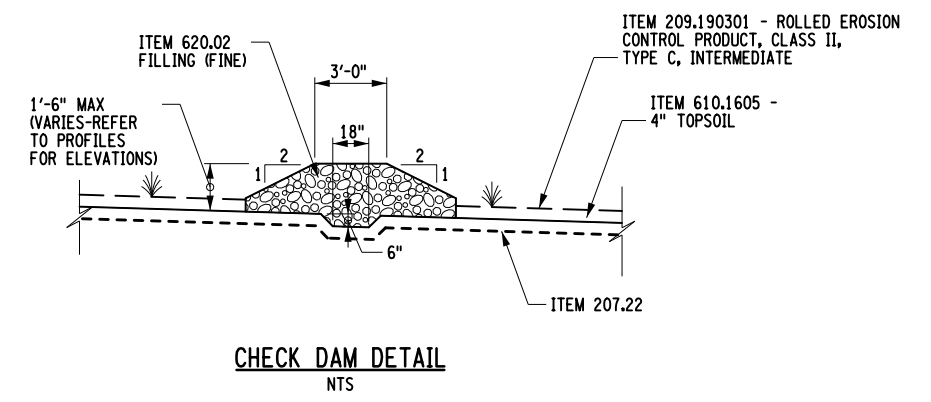
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DATE	DESCRIPTION	BY	SYM.



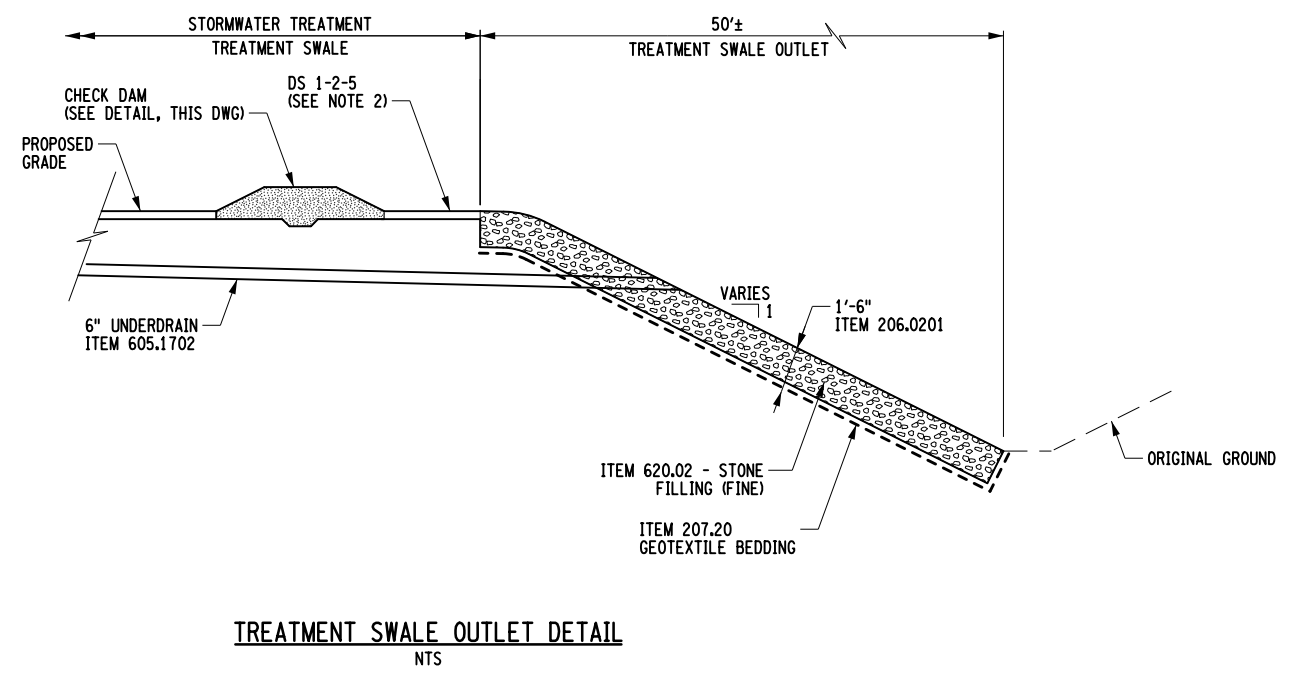

TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING PAVEMENT MARKING PLAN	DRAWING NUMBER: PMP-04



TREATMENT SWALE TYPICAL SECTION
NTS



CHECK DAM DETAIL
NTS



TREATMENT SWALE OUTLET DETAIL
NTS

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT	NOTES
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	605.1702	OPTIONAL UNDERDRAIN PIPE, 6 INCH DIAMETER	LF	1. THE FOREBAY SHALL HAVE THE SAME TRAPEZOIDAL SHAPE AS SHOWN IN TREATMENT SWALE TYPICAL SECTION
206.0201	TRENCH AND CULVERT EXCAVATION	CY	610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY	
207.20	GEOTEXTILE BEDDING	SY	620.02	STONE FILLING (FINE)	CY	
207.22	GEOTEXTILE DRAINAGE	SY				
208.01030022	BIORETENTION AND DRY SWALE SOIL	CY				
209.190301	ROLLED EROSION CONTROL PRODUCT, CLASS II TYPE C, INTERMEDIATE	SY				

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING STORMWATER TREATMENT DETAILS	DRAWING NUMBER: SMD-01

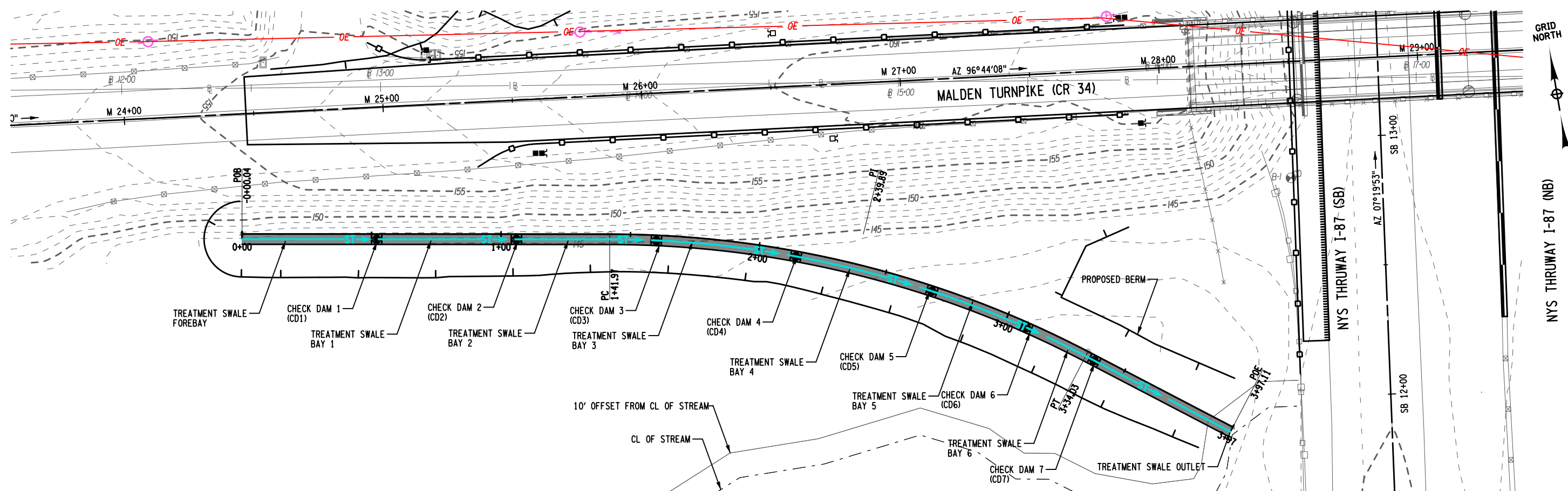
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 DESIGN
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 DRAFTING
 T. BURTNICK
 CHECK
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 USER = jmtpx11-pr-svc

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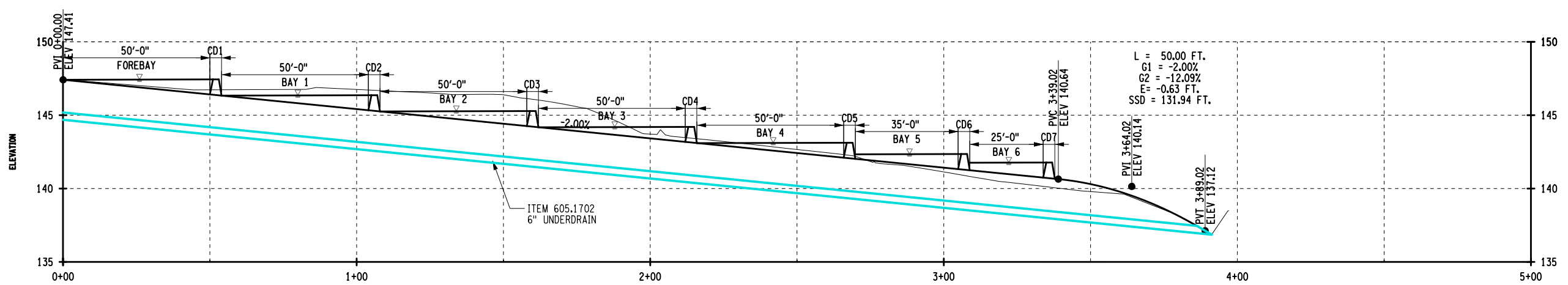
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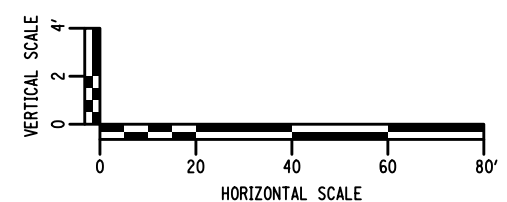
SIGNATURE: MATTHEW WAYNE COLLINGWOOD
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TREATMENT SWALE - PLAN



TREATMENT SWALE - PROFILE



FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR
 DATE/TIME = 02-OCT-2025 15:35
 DESIGN R. JABLONSKI
 USER = jmtpx11-pr-svc
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 M. COLLINGWOOD
 T. BURTNICK
 CHECK M. COLLINGWOOD

ALTERED ON:
 SIGNATURE:
 STAMP:

AFFIXED ON: 10/02/2025
 SIGNATURE: MATTHEW WAYNE COLLINGWOOD
 STAMP:

NOTES

- SEE SMD-1 FOR DRAINAGE ITEMS AND DESCRIPTIONS
- FOR TREATMENT SWALE TYPICAL SECTION AND DETAILS, SEE DWG SWD-1
- ALL CHECK DAMS SHALL BE PERMANENT

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

TITLE OF PROJECT
REPLACEMENT OF MALDEN TURNPIKE (CR 34)
BRIDGE OVER I-87

LOCATION OF PROJECT
ALBANY DIVISION
MP 103.16

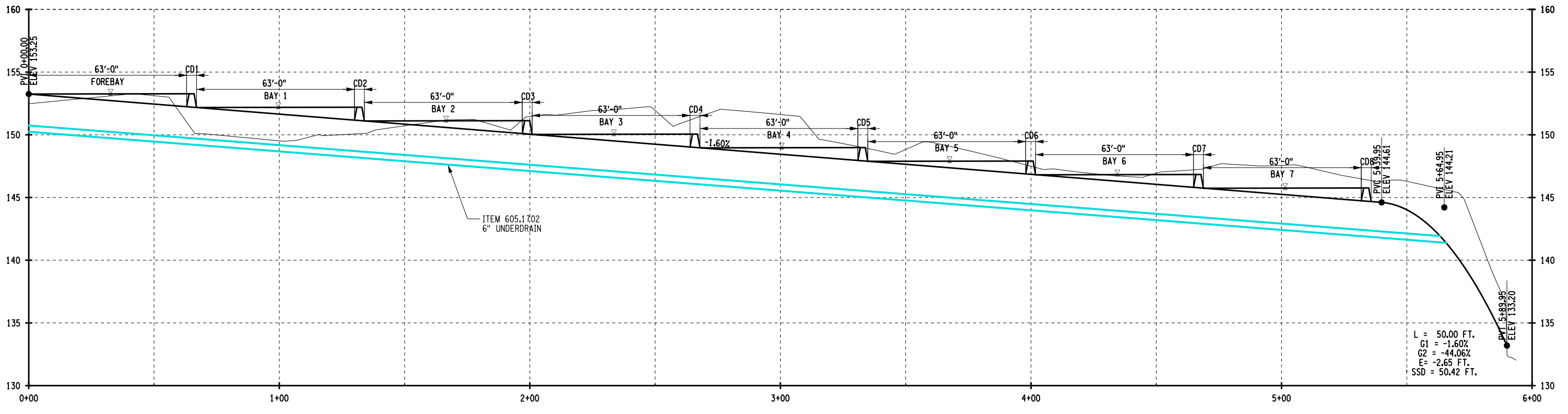
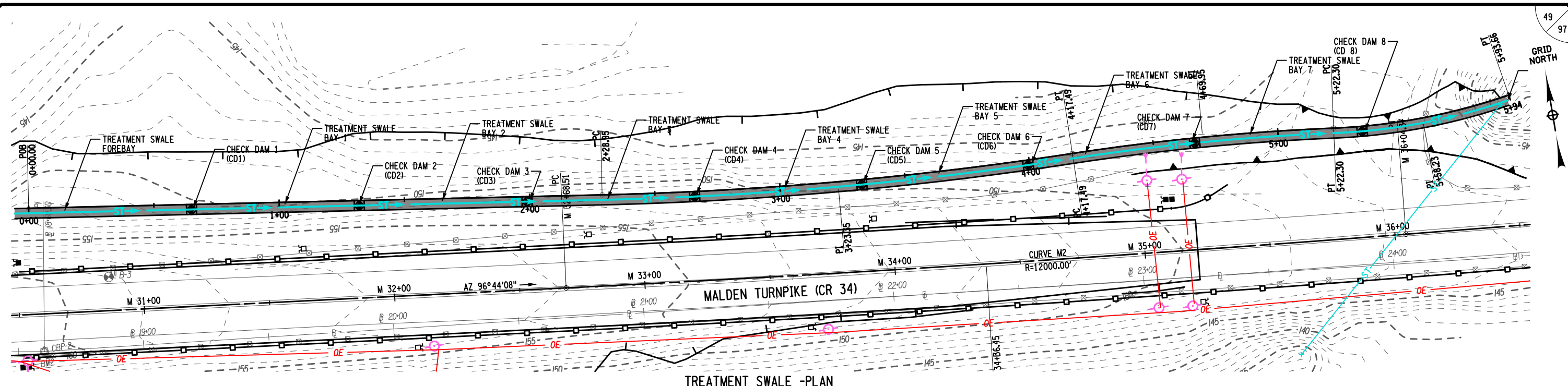
TITLE OF DRAWING
STORMWATER TREATMENT PLAN

CONTRACT NUMBER:
TAA-25-27B

DATE:
10/02/2025

DRAWING NUMBER:
SMP-01

FILE NAME = DATE/TIME = 02-OCT-2025 15:35 DESIGN SUPERVISOR M. COLLINGWOOD CHECK R. JABLONSKI DRAFTING T. BURTNICK CHECK M. COLLINGWOOD USER = jmpw11-pr-svc



ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: MATTHEW WAYNE COLLINGWOOD STAMP:

NOTES

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority

CONTRACT NUMBER:
TAA-25-27B

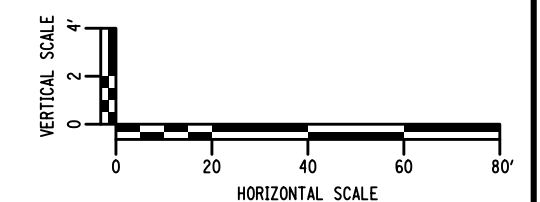
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10/02/2025

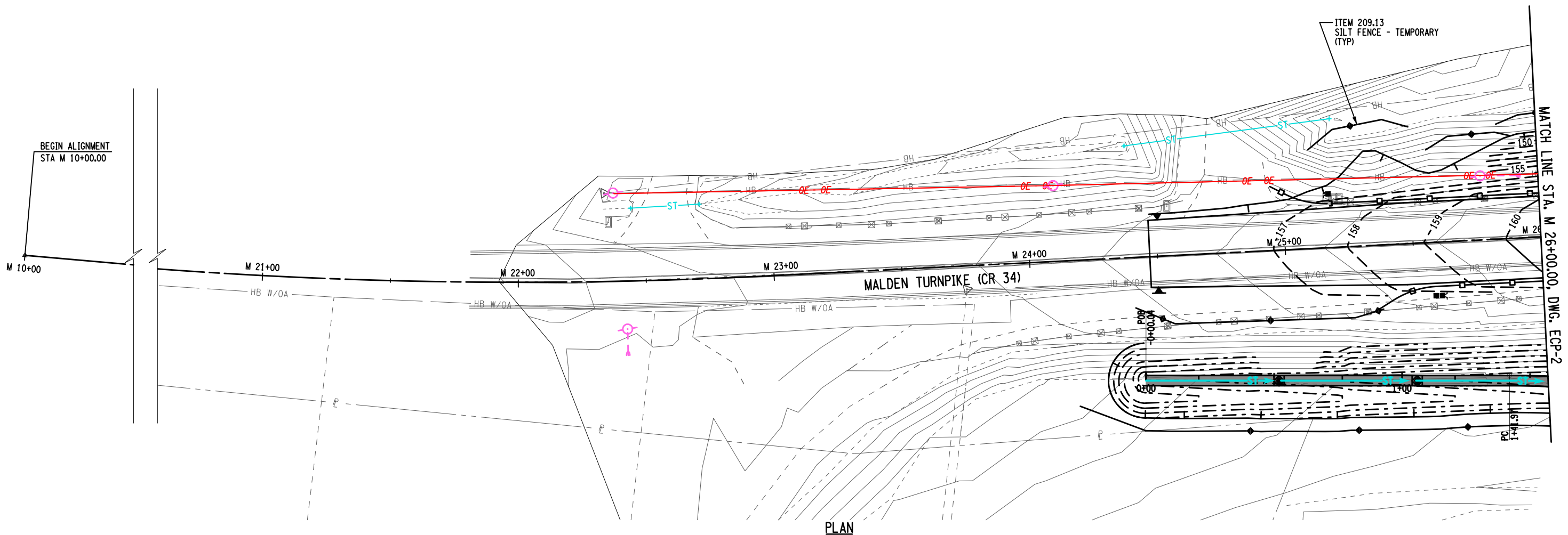
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TITLE OF PROJECT: REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87

LOCATION OF PROJECT: ALBANY DIVISION MP 103.16


TITLE OF DRAWING: STORMWATER TREATMENT PLAN





PLAN

FILE NAME = M. COLLINGWOOD
 DESIGN SUPERVISOR M. COLLINGWOOD
 DATE/TIME = 02-OCT-2025 15:33
 DESIGN R. JABLONSKI
 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
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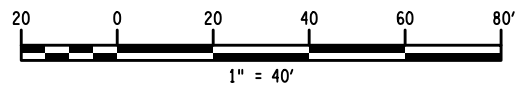
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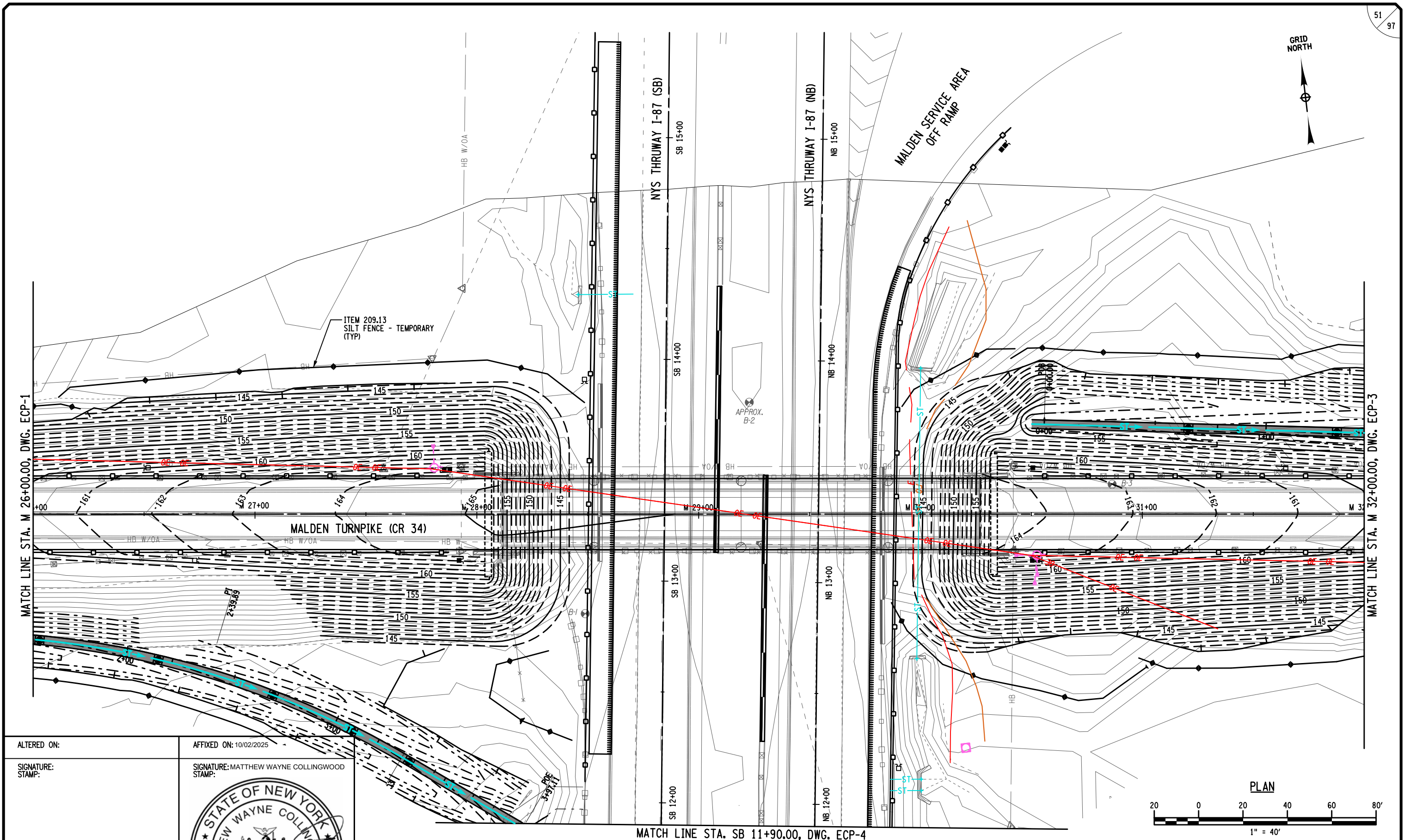
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING EROSION CONTROL PLAN	DRAWING NUMBER: ECP-01



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 DESIGN SUPERVISOR
 DATE/TIME = 02-OCT-2025 15:34
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 CHECK M. COLLINGWOOD
 DRAFTING T. BURTNICK
 CHECK M. COLLINGWOOD
 USER = jmpx11-pr-svc
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 CHECK T. BURTNICK
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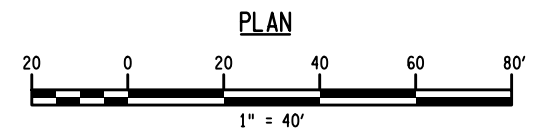
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AFFIXED ON: 10/02/2025
SIGNATURE: MATTHEW WAYNE COLLINGWOOD
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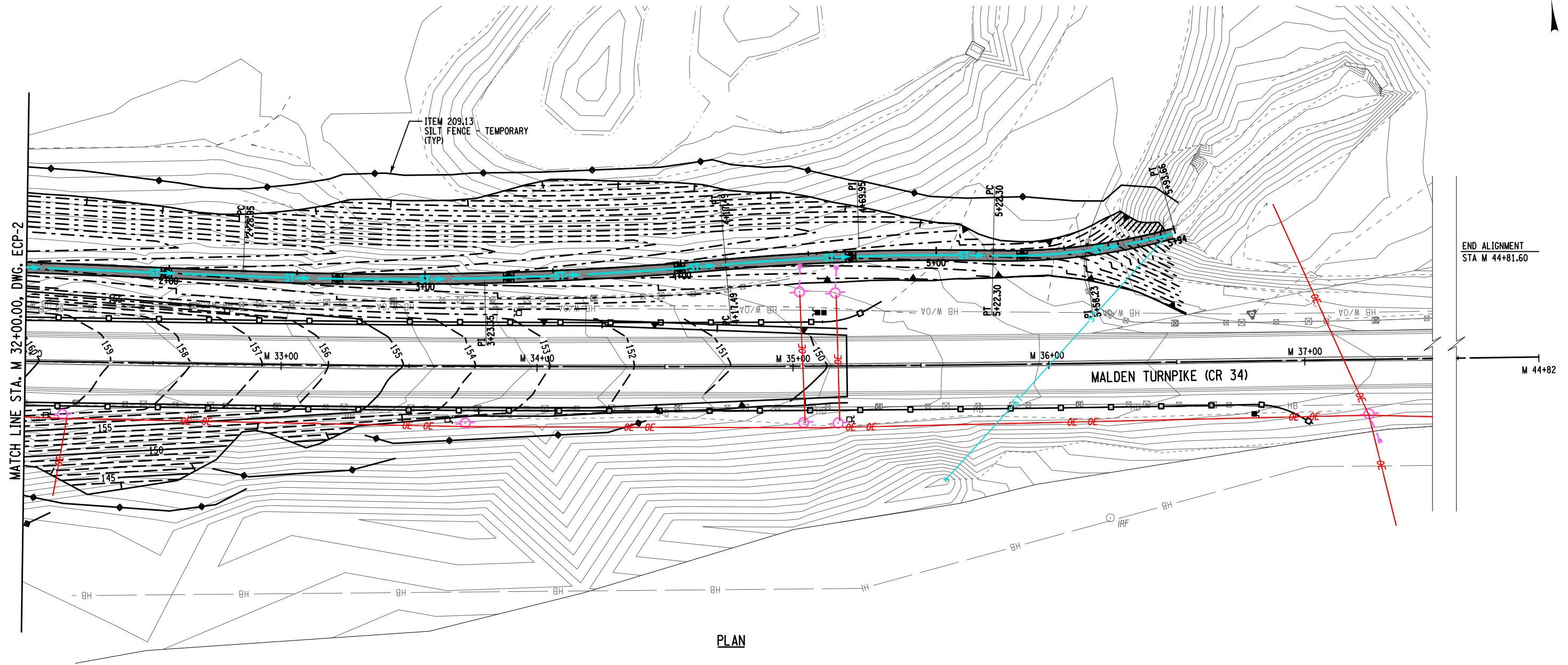
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.


REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING EROSION CONTROL PLAN	DRAWING NUMBER: ECP-02

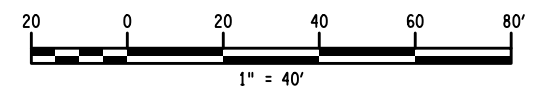
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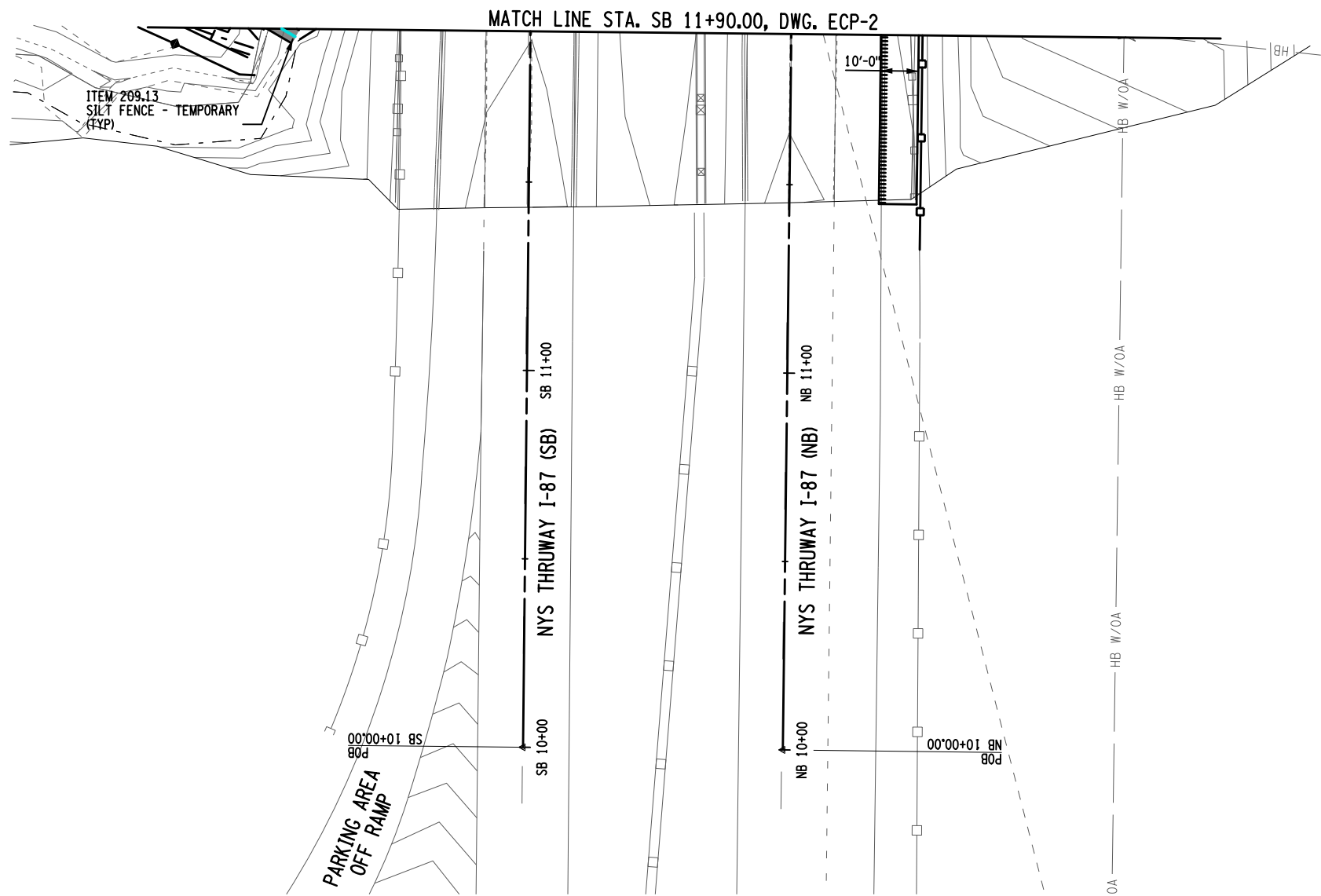
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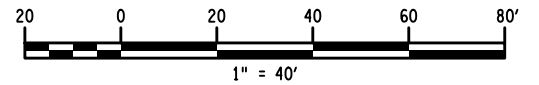
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DATE	DESCRIPTION	BY	SYM.




TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING EROSION CONTROL PLAN	DRAWING NUMBER: ECP-03



PLAN



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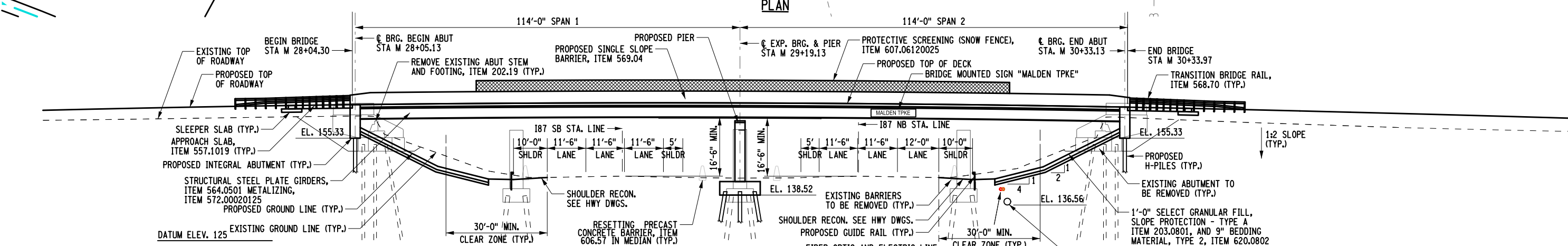
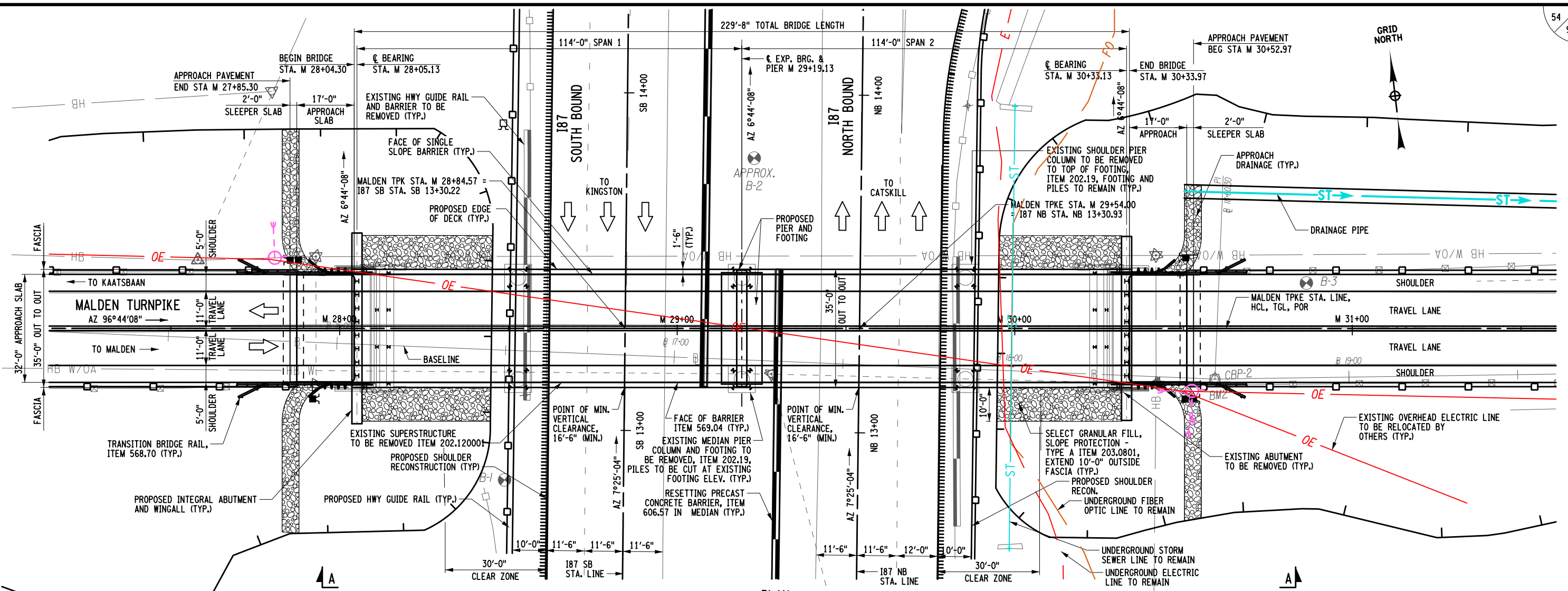
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.




TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING EROSION CONTROL PLAN	DRAWING NUMBER: ECP-04



ALTERED ON: _____ AFFIXED ON: 10/09/2025

SIGNATURE: _____ STAMP: _____

SIGNATURE: RYAN DOUGLAS HENDERSON STAMP: _____

LOAD RATING

(LRF)		(LFR)	
INVENTORY	HL-93 1.25	EXT. GIRDER NEG. MOM.	INVENTORY HS 71 TONS
OPERATING	HL-93 1.62	EXT. GIRDER NEG. MOM.	OPERATING HS 118 TONS
			INT. GIRDER POS. MOM.

HL-93 LIVE LOADING (LRF)
HS-20 LIVE LOADING (LFR)

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REVISIONS

DATE	DESCRIPTION	BY	SYM.

ELECTRICAL SAFETY NOTE:
HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE. REFER TO SUBSECTION 107-05 OF THE STANDARD SPECIFICATIONS FOR CONTRACTOR SAFETY REQUIREMENTS.

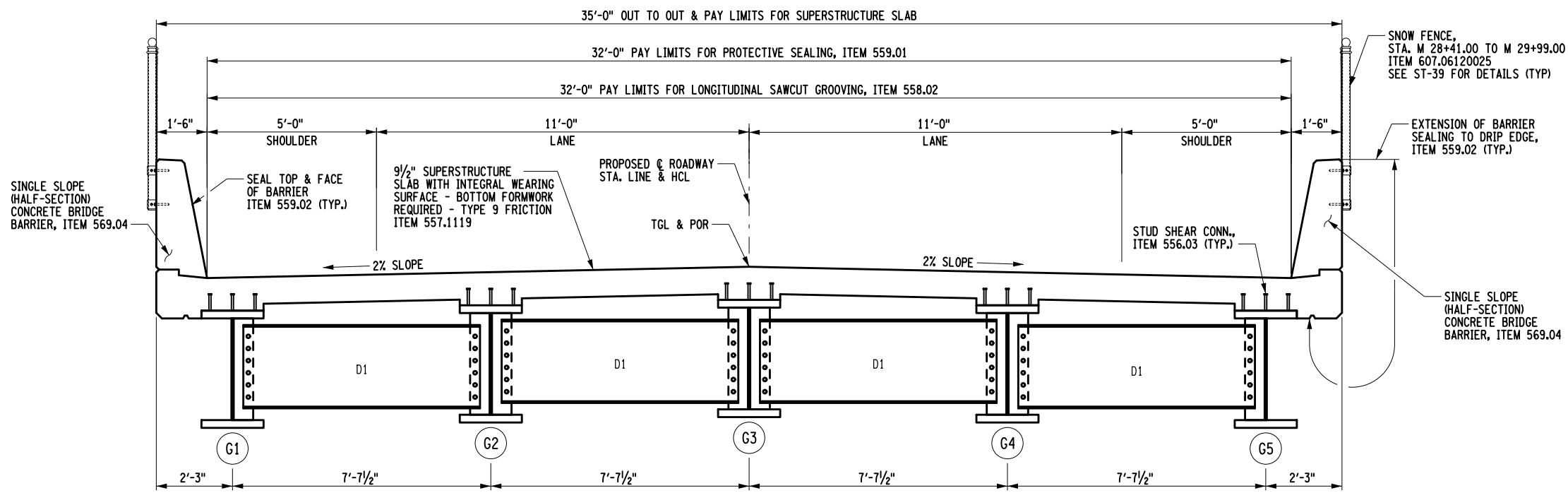
LEGEND:
⊕ - DENOTES BORING LOCATIONS.

NEW YORK STATE Thruway Authority

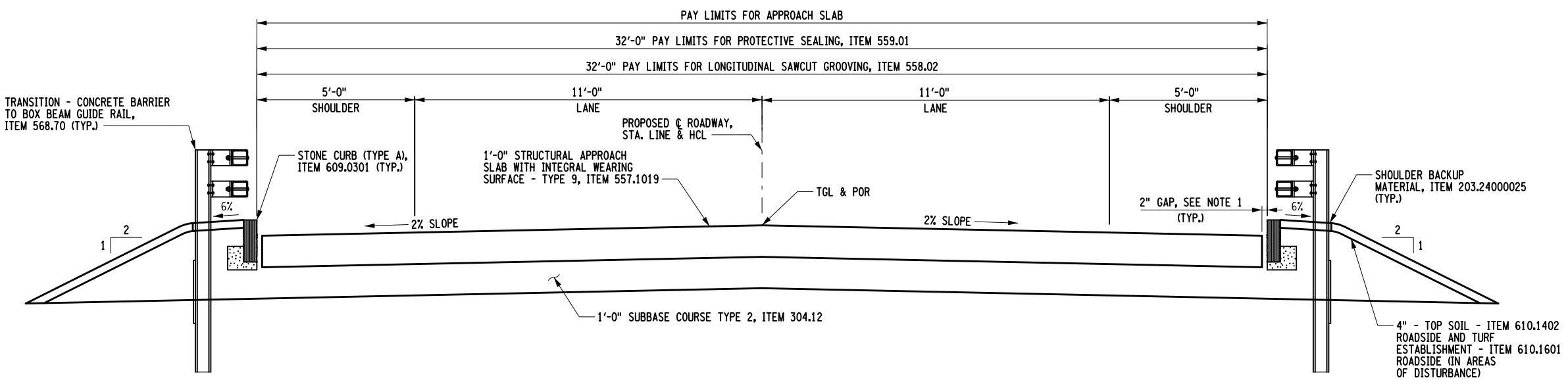
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TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
TITLE OF DRAWING GENERAL PLAN AND ELEVATION	DRAWING NUMBER: ST-1

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TYPICAL BRIDGE SECTION
SCALE: 1" = 4'



TYPICAL APPROACH SECTION
SCALE: 1" = 4'

- NOTES:**
1. FILL 2" GAP WITH BITUMINOUS MATERIAL OF COMPRESSIBLE FOAM AND JOINT SEALANT.

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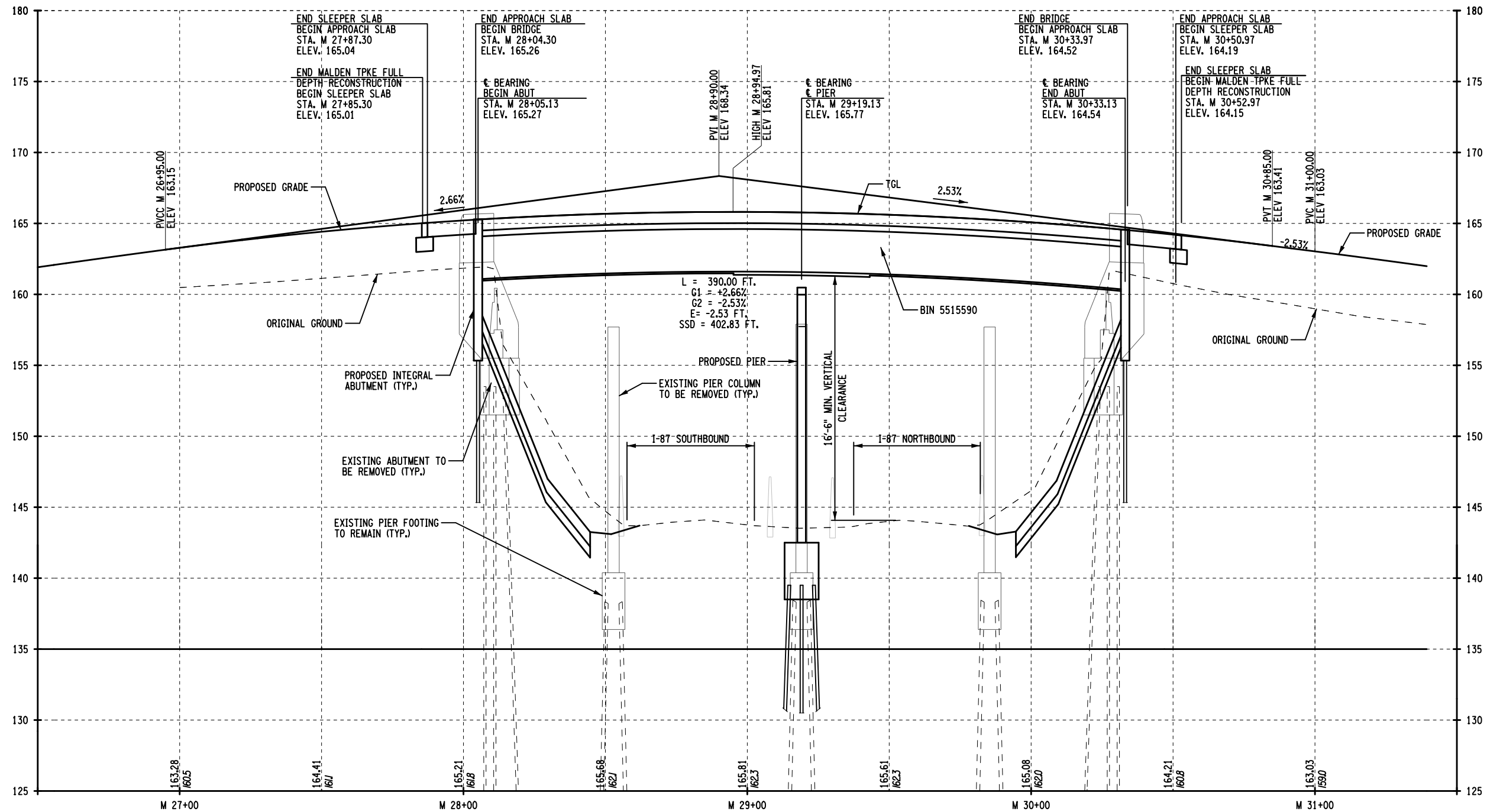
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SIGNATURE: STAMP:	SIGNATURE: RYAN DOUGLAS HENDERSON STAMP:

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TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING TYPICAL BRIDGE SECTION	DRAWING NUMBER: ST-2

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 DESIGN SUPERVISOR R. HENDERSON
 DATE/TIME = 25-SEP-2025 17:27
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 R. HENDERSON
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 R. DAUCHER
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 R. HENDERSON
 R. HENDERSON



PROPOSED PROFILE

ALTERED ON:	AFFIXED ON: 09/25/2025
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- NOTES:**
- SEE ST-1 FOR PLAN VIEW.
 - SNOW FENCING NOT SHOWN FOR CLARITY.

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DATE	DESCRIPTION	BY	SYM.




TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING BRIDGE PROFILE	DRAWING NUMBER: ST-3

ESTIMATE OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QTY	FINAL QTY
202.120001	REMOVING EXISTING SUPERSTRUCTURE	LS	1	
202.19	REMOVAL OF SUBSTRUCTURES	CY	248	
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	220	
203.03	EMBANKMENT IN PLACE	CY	100	
203.03240017	LIGHTWEIGHT EMBANKMENT IN PLACE (45 PCF) LOOSE DENSITY	CY	600	
203.0801	SELECT GRANULAR FILL, SLOPE PROTECTION - TYPE A	CY	165	
203.21	SELECT STRUCTURAL FILL	CY	325	
206.01	STRUCTURE EXCAVATION	CY	1120	
207.27	PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN	SY	95	
210.480201	REMOVAL AND DISPOSAL OF MISCELLANEOUS ACM	SF	8978	
551.014117	STEEL H-PILES (HP 14x117)	LF	2775	
551.03950017	PREDRILLING HOLES FOR PILES	LF	320	
551.12	SPLICES FOR STEEL H-PILES	EA	23	
551.13	FURNISHING EQUIPMENT FOR DRIVING PILES	LS	1	
551.14	DYNAMIC PILE LOAD TESTING	EA	6	
555.0011	FOOTING CONCRETE, PERFORMANCE	CY	59	
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY	169	
555.9901	PERFORMANCE CONCRETE QUALITY ADJUSTMENT - FOOTING CONCRETE	QU	1	
555.9902	PERFORMANCE CONCRETE QUALITY ADJUSTMENT - CONCRETE FOR STRUCTURES	QU	1	
556.0203	GALVANIZED BAR REINFORCEMENT FOR STRUCTURES	LB	35600	
556.03	STUD SHEAR CONNECTORS FOR BRIDGES	EA	3435	
557.1019	STRUCTURAL APPROACH SLAB WITH INTEGRAL WEARING SURFACE - TYPE 9 FRICTION	SY	178	
557.1119	SUPERSTRUCTURE SLAB WITH INTEGRAL WEARING SURFACE BOTTOM FORMWORK REQUIRED - TYPE 9 FRICTION	SY	894	
557.9901	PERFORMANCE CONCRETE QUALITY ADJUSTMENT - SUPERSTRUCTURE AND APPROACH SLAB	QU	1	
558.02	LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE	SY	939	
559.01	PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS	SF	8576	
559.02	PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE	SF	7285	
564.0501	STRUCTURAL STEEL, TYPE 1	LS	1	
565.2035	TYPE E.B. EXPANSION BEARINGS (OVER 225 KIPS)	EA	5	
567.60	ARMORLESS BRIDGE JOINT	LF	64	
567.63	BRIDGE JOINT SEAL	LF	64	
568.70	TRANSITION BRIDGE RAILING	LF	160	
569.04	SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER	LF	462	
569.99	PERFORMANCE CONCRETE QUALITY ADJUSTMENT - CAST IN PLACE CONCRETE BARRIER	QU	1	
570.01	LEAD EXPOSURE CONTROL PLAN	LS	1	
570.02	MEDICAL TESTING	DC	6500	
570.03	PERSONAL EXPOSURE MONITORING SAMPLE ANALYSIS	DC	3000	
570.04	DECONTAMINATION FACILITIES	CW	4	
571.03	DISPOSAL OF HAZARDOUS PAINT WASTE CONTAINING LEAD	LB	1800	
572.0020125	METALIZING	LS	1	
607.06120025	PROTECTIVE SCREENING (SNOW FENCE)	LF	316	
609.0301	STONE CURB - BRIDGE (TYPE A)	LF	57	
620.03	STONE FILL (LIGHT)	CY	47	
620.0802	BEDDING MATERIAL, TYPE 2	CY	175	
645.61000125	INSTALL OVERHEAD SIGN PANELS (AUTHORITY SUPPLIED)	EA	2	



INDEX OF DRAWINGS		
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
54	GENERAL PLAN AND ELEVATION	ST-1
55	TYPICAL BRIDGE SECTIONS	ST-2
56	BRIDGE PROFILE	ST-3
57	ESTIMATE OF QUANTITIES AND INDEX OF DRAWINGS	ST-4
58	GENERAL NOTES	ST-5
59	REMOVAL PLAN AND ELEVATION	ST-6
60	EXCAVATION AND EMBANKMENT PLAN	ST-7
61	EXCAVATION AND EMBANKMENT SECTIONS	ST-8
62	BEGIN ABUTMENT - LOWER POUR PLAN AND ELEVATION	ST-9
63	BEGIN ABUTMENT - LOWER POUR REINFORCEMENT SECTIONS	ST-10
64	BEGIN ABUTMENT - UPPER POUR PLAN AND ELEVATION	ST-11
65	BEGIN ABUTMENT - UPPER POUR REINFORCEMENT SECTIONS	ST-12
66	BEGIN ABUTMENT - SECTION AND DETAILS	ST-13
67	PILE LAYOUT AND PIER FOOTING PLAN	ST-14
68	PIER PLAN AND ELEVATION	ST-15
69	PIER REINFORCEMENT (1 OF 2)	ST-16
70	PIER REINFORCEMENT (2 OF 2)	ST-17
71	PIER MISCELLANEOUS DETAILS	ST-18
72	END ABUTMENT - LOWER POUR PLAN AND ELEVATION	ST-19
73	END ABUTMENT - LOWER POUR REINFORCEMENT SECTIONS	ST-20
74	END ABUTMENT - UPPER POUR PLAN AND ELEVATION	ST-21
75	END ABUTMENT - UPPER POUR REINFORCEMENT SECTIONS	ST-22
76	END ABUTMENT - SECTION AND DETAILS	ST-23
77	BEARING DETAILS (1 OF 2)	ST-24
78	BEARING DETAILS (2 OF 2)	ST-25
79	TRANSVERSE BRIDGE SECTION	ST-26
80	FRAMING PLAN	ST-27
81	GIRDER DETAILS	ST-28
82	STEEL DETAILS	ST-29
83	GIRDER FIELD SPLICE DETAILS	ST-30
84	CAMBER, DESIGN LOAD, AND MOMENT & SHEAR TABLES	ST-31
85	HAUNCH TABLE AND DETAIL	ST-32
86	SUPERSTRUCTURE SLAB REINFORCEMENT PLAN	ST-33
87	SUPERSTRUCTURE SLAB PLACEMENT NOTES AND DETAILS	ST-34
88	APPROACH SLAB REINFORCEMENT PLAN AND DETAILS	ST-35
89	CONCRETE BARRIER DETAILS	ST-36
90	CONCRETE BRIDGE BARRIER TRANSITION TO GUIDERAIL	ST-37
91	CONCRETE BRIDGE BARRIER TRANSITION DETAILS	ST-38
92	SNOW FENCE DETAILS	ST-39
93	APPROACH DRAINAGE DETAILS	ST-40
94	MISCELLANEOUS DETAILS	ST-41
95	BAR BENDING DIAGRAMS	ST-42
96	BAR LIST (1 OF 2)	ST-43
97	BAR LIST (2 OF 2)	ST-44

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	TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
	TITLE OF DRAWING ESTIMATE OF QUANTITIES AND INDEX OF DRAWINGS	DRAWING NUMBER: ST-4

GENERAL STRUCTURES NOTES

- DESIGN SPECIFICATIONS: NYS DOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF DATE SHOWN ON THE FRONT COVER OF THE PROPOSAL (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: $f'_c = 4,000$ psi.)
- MATERIAL AND CONSTRUCTION SPECIFICATIONS: NYS DOT STANDARD SPECIFICATIONS (US CUSTOMARY) DATED AS SHOWN ON THE FRONT COVER OF THE PROPOSAL, EXCEPT AS MODIFIED IN THESE PLANS AND THE PROPOSAL, AND AS MODIFIED BY THE CURRENT NEW YORK STATE THRUWAY AUTHORITY ADDENDUM TO THE STATE SPECIFICATIONS (TA), PROJECT SPECIAL NOTES AND SPECIAL SPECIFICATIONS.
- THIS BRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT VERSION OF THE AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES.
- THE LOAD RATINGS ARE IN ACCORDANCE WITH THE AASHTO MANUAL FOR BRIDGE EVALUATION.
- DESIGN LIVE LOAD: AASHTO HL - 93.
- 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 PROPORTIONALLY AND ARE FULLY DIMENSIONED.
- ALL SHOP DRAWINGS FOR THIS PROJECT SHALL BE PREPARED IN U.S. CUSTOMARY UNITS.
- MATERIALS CONTAINING ASBESTOS ARE BELIEVED TO EXIST AT VARIOUS LOCATIONS ON OR IN THE STRUCTURE(S) CONTAINED IN THIS CONTRACT. THESE MATERIALS WERE NOTED ON THE ORIGINAL CONTRACT PLANS OF THE STRUCTURE(S) AND/OR ENCOUNTERED DURING FIELD INSPECTIONS.
- ALL KNOWN ASBESTOS CONTAINING MATERIALS HAVE BEEN INDICATED IN THE CONTRACT DOCUMENTS.
- HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE.
- SHOP DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH THE NYS DOT STEEL CONSTRUCTION MANUAL (SCM) TO THE DIRECTOR, STRUCTURES DESIGN BUREAU FOR APPROVAL FOR THE FOLLOWING STRUCTURAL STEEL REPLACEMENT ITEMS: 564.0501 STRUCTURAL STEEL, TYPE 1 (L.S).
- IF THE STRUCTURE HAS A BRIDGE IDENTIFICATION NUMBER (B.I.N.) PLATE ATTACHED, THE CONTRACTOR SHALL PROTECT IT DURING CONSTRUCTION OR REMOVE AND REMOUNT IT AFTER CONSTRUCTION IS COMPLETED.
- THE CONTRACTOR SHALL KEEP ALL BRIDGE DRAINS CLEAN AND FREE FLOWING DURING THE LIFE OF THE CONTRACT. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS SUPERSTRUCTURE ITEMS IN THE CONTRACT.

FOUNDATION AND SUBSTRUCTURE NOTES

- WHEN PILES ARE TO BE PLACED THROUGH THE EMBANKMENT (6 INCHES MAXIMUM TOP SIZE), THE EMBANKMENT SHALL BE COMPACTED TO 95 PERCENT OF STANDARD PROCTOR MAXIMUM DENSITY.
- EMBANKMENT IN PLACE, ITEM 203.03 OR LIGHTWEIGHT EMBANKMENT IN PLACE, ITEM 203.03240017 AND SELECT STRUCTURE FILL, ITEM 203.21, SHALL BE PLACED SIMULTANEOUSLY, ON BOTH SIDES OF THE VERTICAL PAYMENT LINE.
- THE COST OF WATER USED FOR COMPACTION OF THE SELECT STRUCTURAL FILL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.21 - SELECT STRUCTURE FILL.
- THE COST OF WATER USED FOR COMPACTION OF EMBANKMENT IN PLACE MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 206.03 - EMBANKMENT IN PLACE AND LIGHTWEIGHT EMBANKMENT IN PLACE, ITEM 203.03240017 (IF APPLICABLE).
- THE COST OF ALL JOINT MATERIAL AND WATERSTOPS AT CONCRETE CONSTRUCTION JOINTS, CONTRACTION AND EXPANSION JOINTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.

SUPERSTRUCTURE AND METALIZING NOTES

- ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A709, GRADE 50.
- DIAPHRAGMS SHALL BE FABRICATED TO FIT GIRDERS ERRECTED WITH THEIR WEBS PLUMB FOR THE STEEL DEAD LOAD CONDITION, ALSO KNOWN AS STEEL DEAD LOAD FIT (SDLF).
- ALL GIRDERS, INCLUDING STIFFENERS AND CONNECTION PLATES, SHALL BE METALIZED. METALIZING SHALL WRAP 1" OVER THE TOP FLANGE. THE METALIZING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 572.00020125 - METALIZING.
- ALL PRIMARY AND SECONDARY MEMBERS (DIAPHRAGMS, LATERAL BRACING, SHIMS, ETC.) SHALL BE METALIZED. THE COST OF METALIZING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 572.00020125 - METALIZING. THE CONTRACTOR HAS THE OPTION OF HOT-DIP GALVANIZING THE SECONDARY MEMBERS. IF THE CONTRACTOR ELECTS TO HOT-DIP GALVANIZE THESE MEMBERS, HOT-DIP GALVANIZING SHALL MEET THE REQUIREMENTS OF 719-01 TYPE I OF THE NYS DOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS. THE COST OF THE HOT-DIP GALVANIZING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 572.00020125 - METALIZING.
- ALL EXPOSED STEEL COMPONENTS OF BRIDGE BEARINGS, INCLUDING THE SOLE PLATE AND THE MASONRY PLATE, SHALL BE METALIZED. THE COST OF METALIZING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 572.00020125 - METALIZING.
- ALL BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
- DRILLED HOLES SHALL BE CLEANED OF ALL EXCESS MATERIAL THAT PREVENTS THE PROPER INSTALLATION OF THE BOLTS.
- THE CONTRACTOR SHALL PROVIDE FOR THE STABILITY OF STRUCTURAL STEEL DURING ALL PHASES OF ERECTION AND CONSTRUCTION, AS PROVIDED IN SECTION 2, SUBSECTION 204 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM). THE MEANS AND METHODS USED BY THE CONTRACTOR SHALL BE DOCUMENTED ON THE ERECTION DRAWINGS AND INCLUDED IN THE SUPPORTING STABILITY CALCULATIONS. THE ERECTION DRAWINGS AND STABILITY CALCULATIONS SHALL BE SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER AND SUBMITTED TO THE DIRECTOR, STRUCTURES DESIGN BUREAU IN ACCORDANCE WITH THE SCM.
- THE DESIGN OF THIS STRUCTURE ASSUMES THAT THE STRUCTURAL STEEL IS COMPLETELY ERRECTED BEFORE IT IS ALLOWED TO DEFLECT UNDER ITS OWN DEAD LOAD. DEFLECTIONS INCURRED DURING THE VARIOUS STAGES OF THE ERECTION ARE NOT CONSIDERED. THEREFORE, THE ACTUAL ERECTION MEANS AND METHODS EMPLOYED BY THE CONTRACTOR MAY HAVE A SUBSTANTIAL EFFECT ON THE FINAL STEEL PROFILE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE FINAL ALIGNMENT AND PROFILE OF THE ERRECTED STEEL CONFORMS TO SECTION 12, SUBSECTIONS 1213, 1214, AND 1215 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM). ANY CORRECTIVE WORK NECESSARY TO RE-POSITION PREVIOUSLY ERRECTED STEEL TO ACHIEVE ACCEPTABLE ALIGNMENT AND PROFILE SHALL BE SUBMITTED TO THE DIRECTOR, STRUCTURES DESIGN BUREAU IN ACCORDANCE WITH THE SCM. ANY CORRECTIVE WORK NECESSARY SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE STATE.
- IF THE CONTRACTOR ELECTS TO MOVE THE SPLICE LOCATION SHOWN IN THE PLANS, THE CONTRACTOR SHALL HAVE A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER REDESIGN THE SPLICE. THE SHOP DRAWINGS AND DESIGN CALCULATIONS FOR THE REDESIGNED SPLICE SHALL BE SUBMITTED TO THE DIRECTOR, STRUCTURES DESIGN BUREAU IN ACCORDANCE WITH THE SCM. THE COST OF REDESIGN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS STEEL ITEMS.
- DIMENSIONS FOR THICKNESSES OF STEEL ROLLED SHAPES AND STRUCTURAL TUBING ARE SHOWN ACCORDING TO THE AISC MANUAL.

SUPERSTRUCTURE SLAB NOTES

- THE PROVISIONS OF THE CURRENT SPECIFICATIONS FOR SUPERSTRUCTURE SLABS ALLOW THE OPTION OF 3 FORMING SYSTEMS FOR THE SLABS.
- ON THIS BRIDGE, ONLY THE FOLLOWING OPTION(S) WILL BE PERMITTED: PERMANENT CORRUGATED METAL AND REMOVABLE FORMS ARE ALLOWED.
- IN ORDER TO PREVENT MOVEMENT OF THE BRIDGE OVERHANG BRACKET DURING THE DECK CONCRETE PLACEMENT, AS WELL AS TO PREVENT LATERAL DISTORTION OF THE GIRDER WEB, A DEEP OVERHANG BRACKET THAT IS BRACED BY THE BOTTOM FLANGE SHALL BE USED.
- THE CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THE HAUNCH DETAILS SHOWN IN THE PLANS WITHOUT THE PERMISSION OF THE DIRECTOR, STRUCTURES DESIGN BUREAU.
- 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 DECK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BARRIER ITEM.
- THE SPECIFICATIONS FOR PERMANENT CONCRETE TRAFFIC BARRIER FOR STRUCTURES ALLOWS THE OPTION OF THREE CONSTRUCTION METHODS: CAST-IN-PLACE, SLIP FORMED, OR PRECAST. FOR THIS BRIDGE, ONLY CAST-IN-PLACE AND SLIP FORMING ARE ALLOWED.
- TOP SURFACES OF NEW BRIDGE DECKS AND APPROACH SLABS SHALL BE SEALED IN ACCORDANCE WITH 559.01- PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE, DECKS AND BRIDGE DECK OVERLAYS.
- TOP SURFACES OF NEW EXPOSED SURFACES OF NEW CONCRETE PARAPETS OR BARRIERS SHALL BE SEALED IN ACCORDANCE WITH ITEM 559.02 - PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE. ONLY PENETRATING TYPE SEALERS SHALL BE USED.

REMOVAL NOTES

- EXISTING SUBSTRUCTURES SHALL BE REMOVED WITHIN THE PAY LIMITS SHOWN IN THE PLANS UNDER ITEM 202.19 - REMOVAL OF SUBSTRUCTURES.
- EXISTING SUPERSTRUCTURE SHALL BE REMOVED UNDER ITEM 202.120001 - REMOVING EXISTING SUPERSTRUCTURES.
- SUPERSTRUCTURE REMOVAL SHALL MEET THE PROVISIONS OF 202-3.01 - GENERAL AND SAFETY REQUIREMENTS, OF THE NYS DOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS. A REMOVAL PLAN, SEALED BY A PROFESSIONAL ENGINEER, SHALL BE SUBMITTED TO THE ENGINEER THIRTY (30) DAYS PRIOR TO BEGINNING THE DEMOLITION. A THIRD-PARTY REVIEW IS REQUIRED. THE THIRD-PARTY REVIEW WILL BE COORDINATED THROUGH THE ENGINEER WITH APPROVAL BY DIRECTOR, STRUCTURES DESIGN BUREAU.
- RECORD PLANS FOR THIS STRUCTURE ARE AVAILABLE.
- LIMITS AND METHODS FOR REMOVAL OF PAINT SHALL BE AS DESCRIBED IN SECTION 202 REMOVAL OF STRUCTURES AND OBSTRUCTIONS, SECTION 570 PAINT REMOVAL OPERATIONS, AND SECTION 589 REMOVAL OF EXISTING STEEL, AS APPLICABLE. THE COST OF PAINT REMOVAL SHALL BE PAID FOR UNDER THE APPROPRIATE ITEMS IN THE CONTRACT. THE DISPOSAL OF PAINT WASTE SHALL BE PAID FOR UNDER THE APPROPRIATE ITEMS IN THE CONTRACT.
- LOOSE AND/OR PEELING PAINT ON STEEL SURFACES MAY BECOME DISLODGED DURING REMOVAL OPERATIONS OR DURING TRANSPORTATION FROM THE SITE UNLESS APPROPRIATE MEASURES ARE TAKEN. THE CONTRACTOR SHALL FORMULATE AND SUBMIT A METHOD OF REMEDIATING THE CONDITION FOR APPROVAL BY THE ENGINEER. WORKER LEAD PROTECTION IN ACCORDANCE WITH 29 CFR 1926.62 SHALL BE SATISFIED. REMEDIATION METHODS COULD INCLUDE TRANSPORTING AFFECTED MEMBERS IN CLOSED TRUCKS, WRAPPING AFFECTED MEMBERS PRIOR TO REMOVAL, ENCAPSULATING THE LOOSE PAINT OR REMOVAL OF LOOSE PAINT PRIOR TO DISMANTLING OPERATIONS. THE COST OF REMEDIATING THIS CONDITION SHALL BE INCLUDED IN THE LUMP SUM PRICE(S) BID FOR THE SUPERSTRUCTURE REMOVAL AND OTHER APPROPRIATE REMOVAL ITEMS IN THE CONTRACT. DEPENDING ON THE ALTERNATIVE CHOSEN, THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM MAY BE REQUIRED. BECAUSE OF THE ABOVE-MENTIONED CONDITION, THE CONTRACTOR SHALL EXAMINE THE CONDITION OF THE STRUCTURE'S PAINT PRIOR TO SUBMITTING A BID.
- WHEN ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA, TRANSPORTATION TO THAT AREA, AND UNLOADING (IF NECESSARY) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THOSE ITEMS.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL TO THE AREA BELOW THE BRIDGE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE STOPPED UNTIL ADEQUATE PROTECTION IS PROVIDED.
- ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE STATE.
- THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICE BID USING THE APPROPRIATE ITEMS IN THE CONTRACT.

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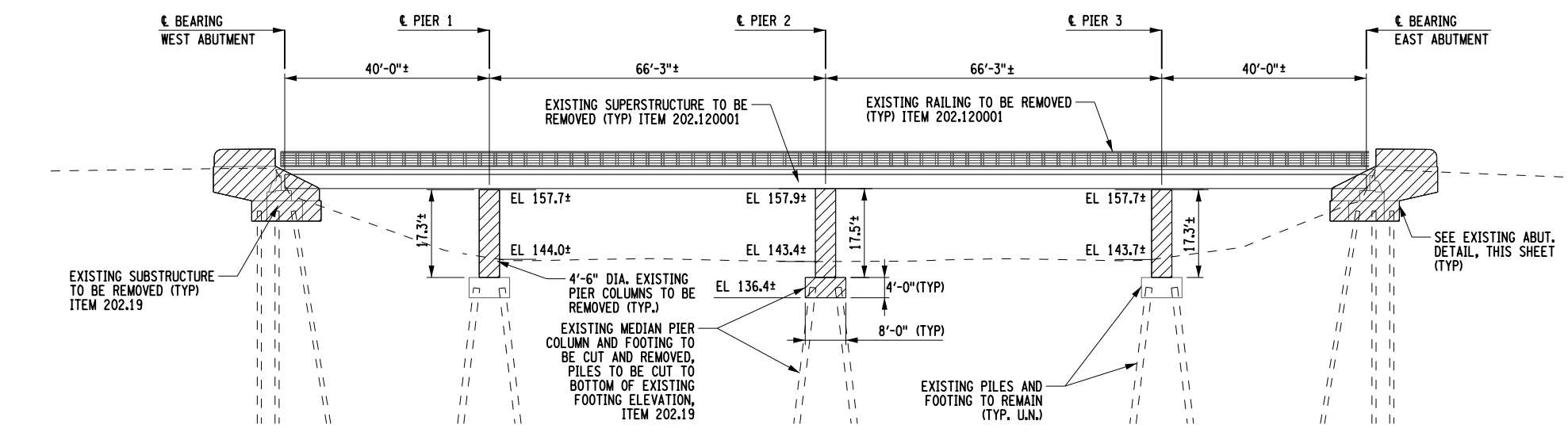
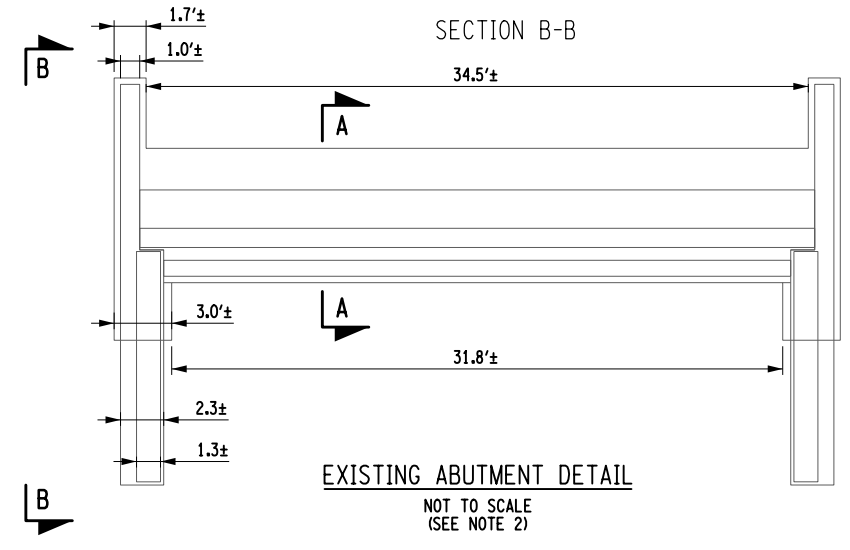
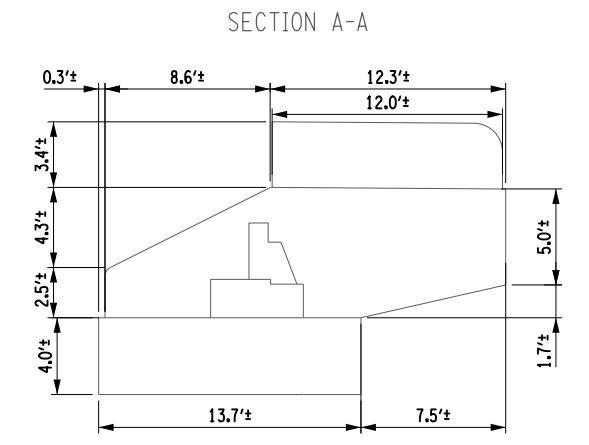
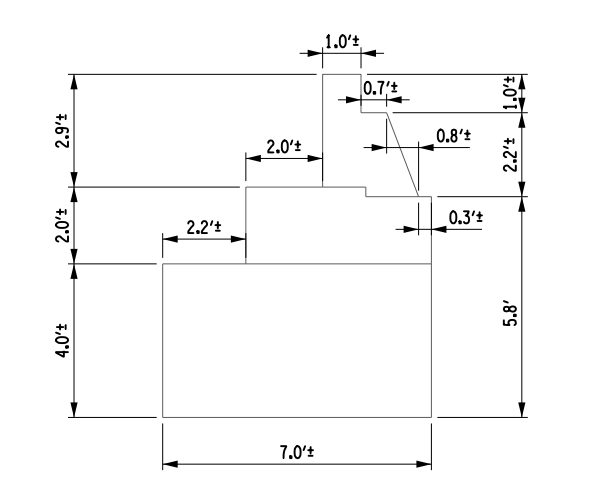
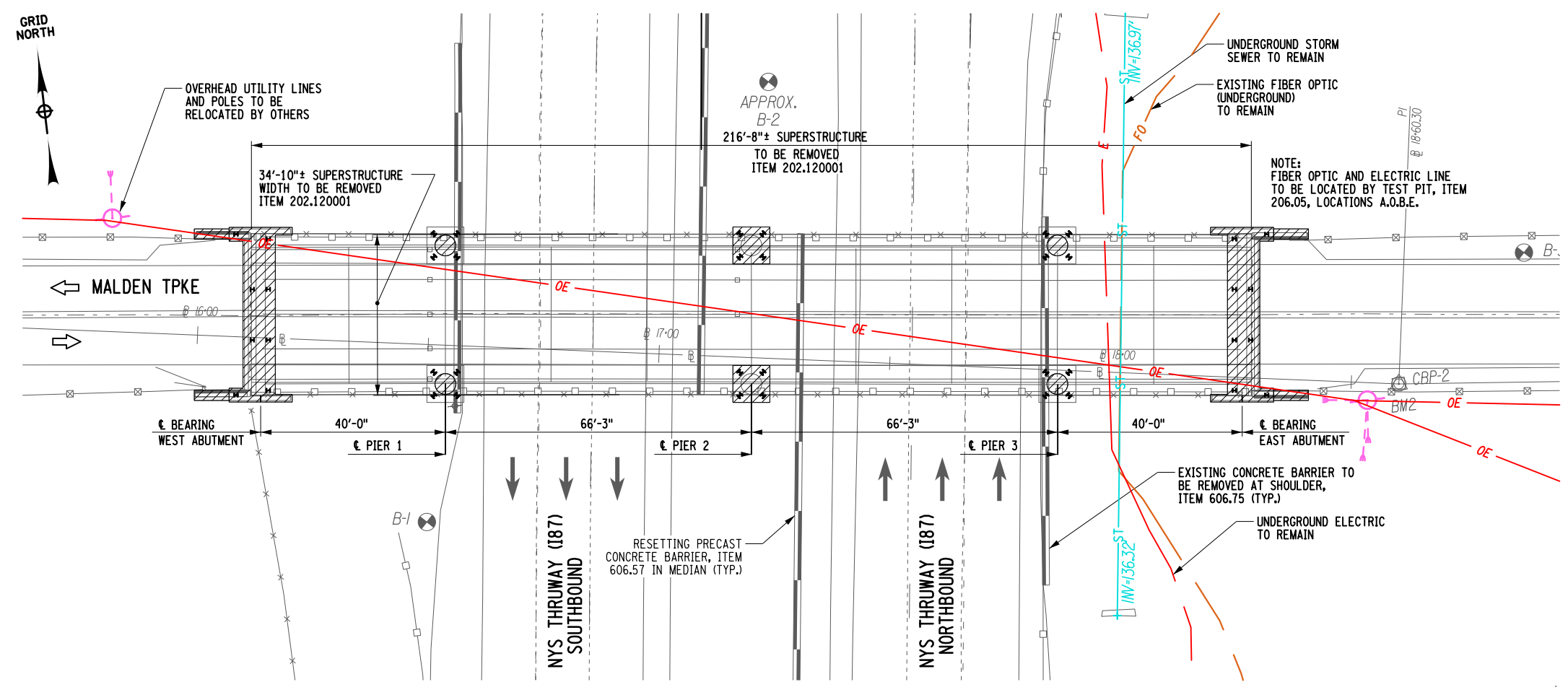
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.




TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING GENERAL NOTES	DRAWING NUMBER: ST-5



LEGEND
 - DENOTES AREA OF EXISTING SUBSTRUCTURE TO BE REMOVED ITEM 202.19

NOTES:
 1. ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE. REFER TO SUBSECTION 107-05 OF THE STANDARD SPECIFICATIONS FOR CONTRACTOR SAFETY REQUIREMENTS.
 2. APPROXIMATE DIMENSIONS OF THE EXISTING ABUTMENT BASED ON SURVEY AND RECORD PLAN INFORMATION. SEE RECORD PLAN CT-RC-45-151 FOR MORE DETAILS.

PAINT DISPOSAL NOTE:
 LOOSE AND/OR PEELING PAINT ON STEEL SURFACES MAY BECOME DISLOADED DURING REMOVAL OPERATIONS OR DURING TRANSPORTATION FROM THE SITE UNLESS APPROPRIATE MEASURES ARE TAKEN. THE CONTRACTOR SHALL FORMULATE AND SUBMIT A METHOD OF REMEDIATING THE CONDITION FOR APPROVAL BY THE ENGINEER. WORKER LEAD PROTECTION IN ACCORDANCE WITH 29 CFR 1926.62 SHALL BE PROVIDED. REMEDIATION METHODS COULD INCLUDE TRANSPORTING AFFECTED MEMBERS IN CLOSED TRUCKS, WRAPPING AFFECTED MEMBERS PRIOR TO REMOVAL, ENCAPSULATING THE LOOSE PAINT OR REMOVAL OF LOOSE PAINT PRIOR TO DISMANTLING OPERATIONS. THE COST OF REMEDIATING THIS CONDITION SHALL BE INCLUDED IN THE LUMP SUM PRICE(S) BID FOR THE SUPERSTRUCTURE REMOVAL ITEM(S) (OR THE UNIT PRICE BID FOR THE SUBSTRUCTURE REMOVAL ITEM.) THE USE OF ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEMS WILL BE REQUIRED. DEPENDING ON THE ALTERNATIVE CHOSEN, THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM MAY BE REQUIRED. BECAUSE OF THE ABOVE-MENTIONED CONDITION, THE CONTRACTOR SHALL EXAMINE THE CONDITION OF THE STRUCTURE'S PAINT PRIOR TO SUBMITTING A BID.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

CONTRACT NUMBER:
TAA-25-27B

DATE:
09/17/2025

DRAWING NUMBER:
ST-6

TITLE OF PROJECT: REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87

LOCATION OF PROJECT: ALBANY DIVISION MP 103.16

TITLE OF DRAWING: REMOVAL PLAN AND ELEVATION

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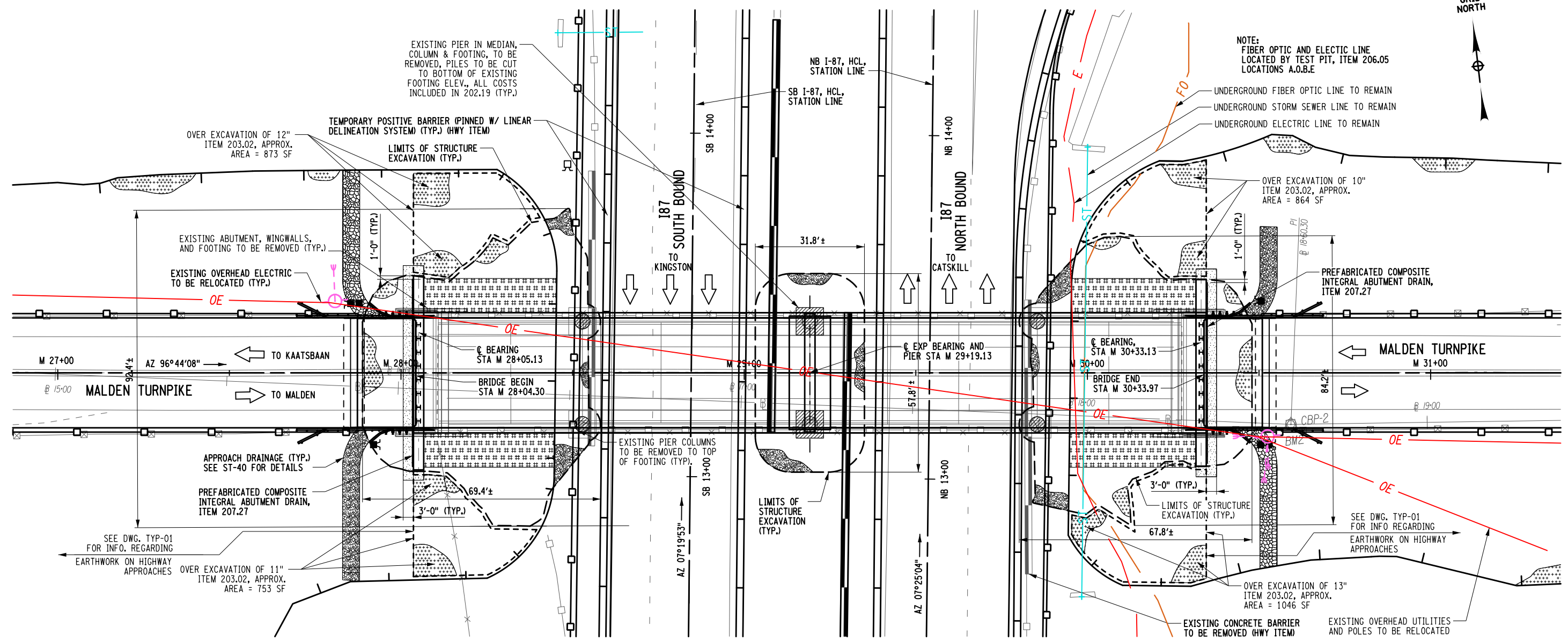
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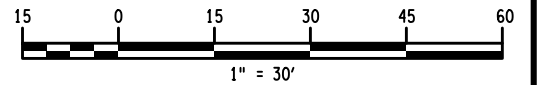
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FIBER OPTIC AND ELECTRIC LINE
LOCATED BY TEST PIT, ITEM 206.05
LOCATIONS A.O.B.E



PLAN

LEGEND

- EXISTING GROUND SURFACE
- SELECT STRUCTURE FILL (ITEM 203.21), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY
- EMBANKMENT IN PLACE (ITEM 203.03)
- PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN (ITEM 207.27)
- LIGHTWEIGHT EMBANKMENT IN PLACE (45 PCF) LOOSE DENSITY, ITEM 203.03240017
- SELECT GRANULAR FILL, SLOPE PROTECTION - TYPE A (ITEM 203.0801)
- STONE FILLING (LIGHT) (ITEM 620.03)
- REMOVAL OF SUBSTRUCTURES (ITEM 202.19)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR UNCLASSIFIED EXCAVATION AND DISPOSAL (ITEM 203.02)



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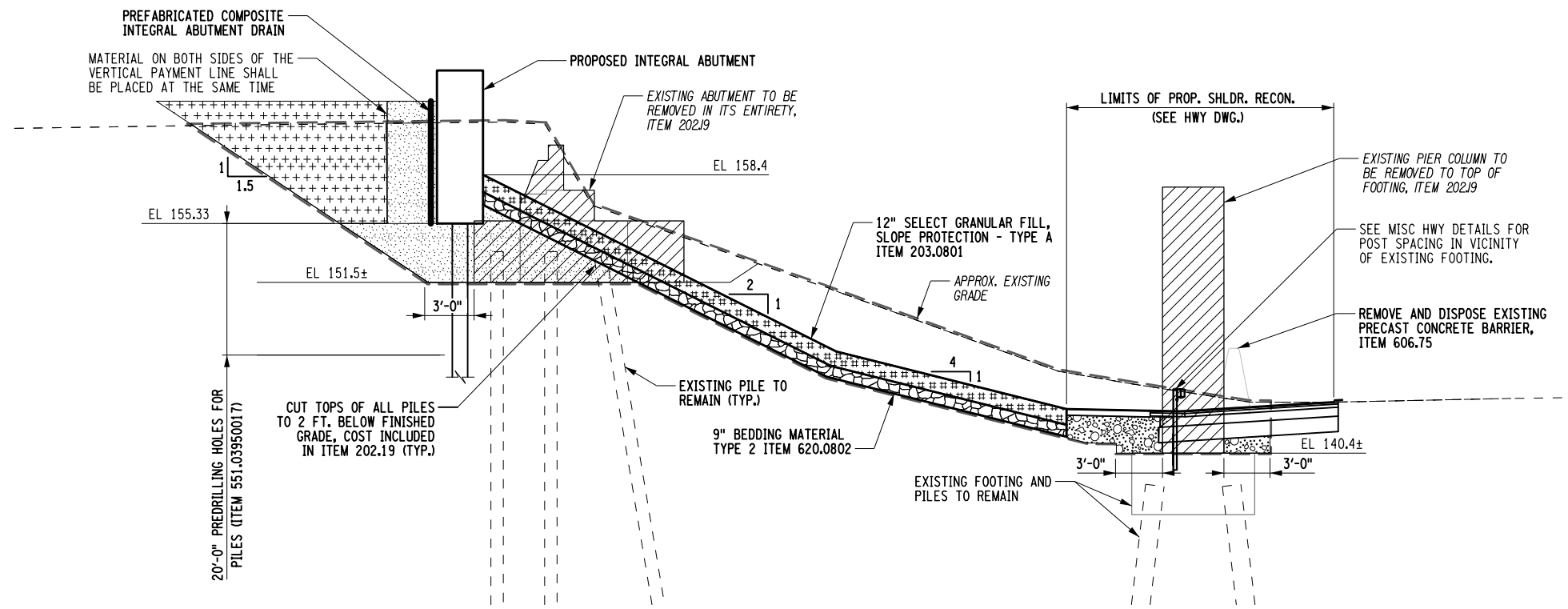
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

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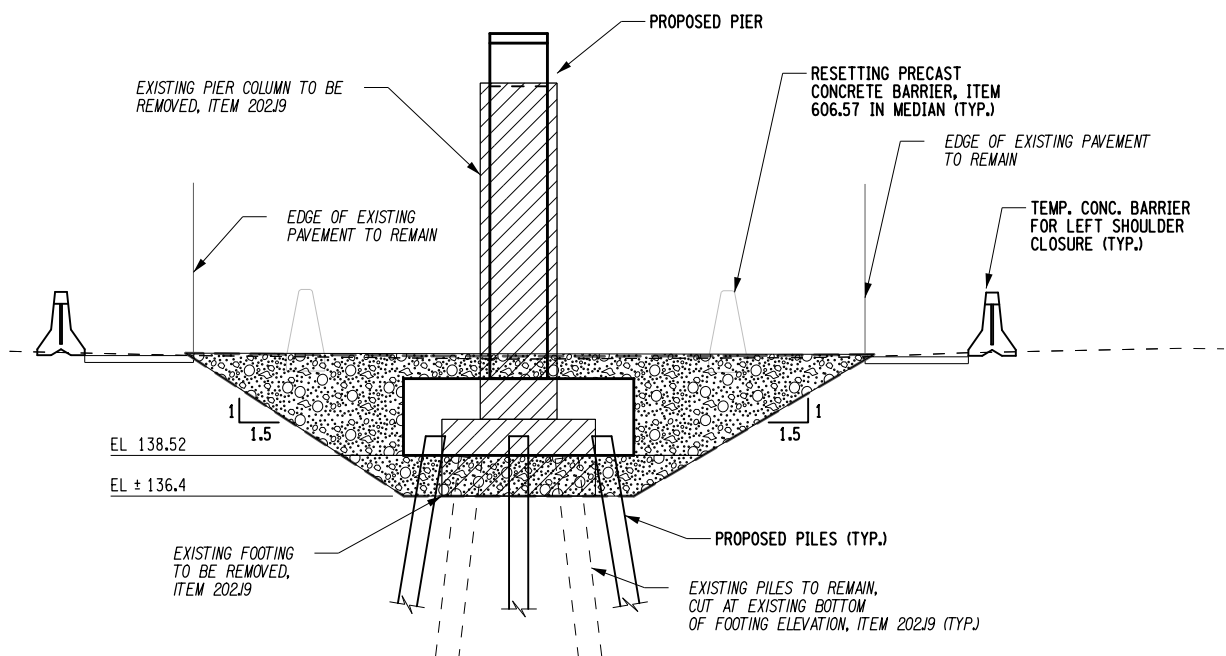


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
TITLE OF DRAWING EXCAVATION AND EMBANKMENT PLAN	DRAWING NUMBER: ST-7

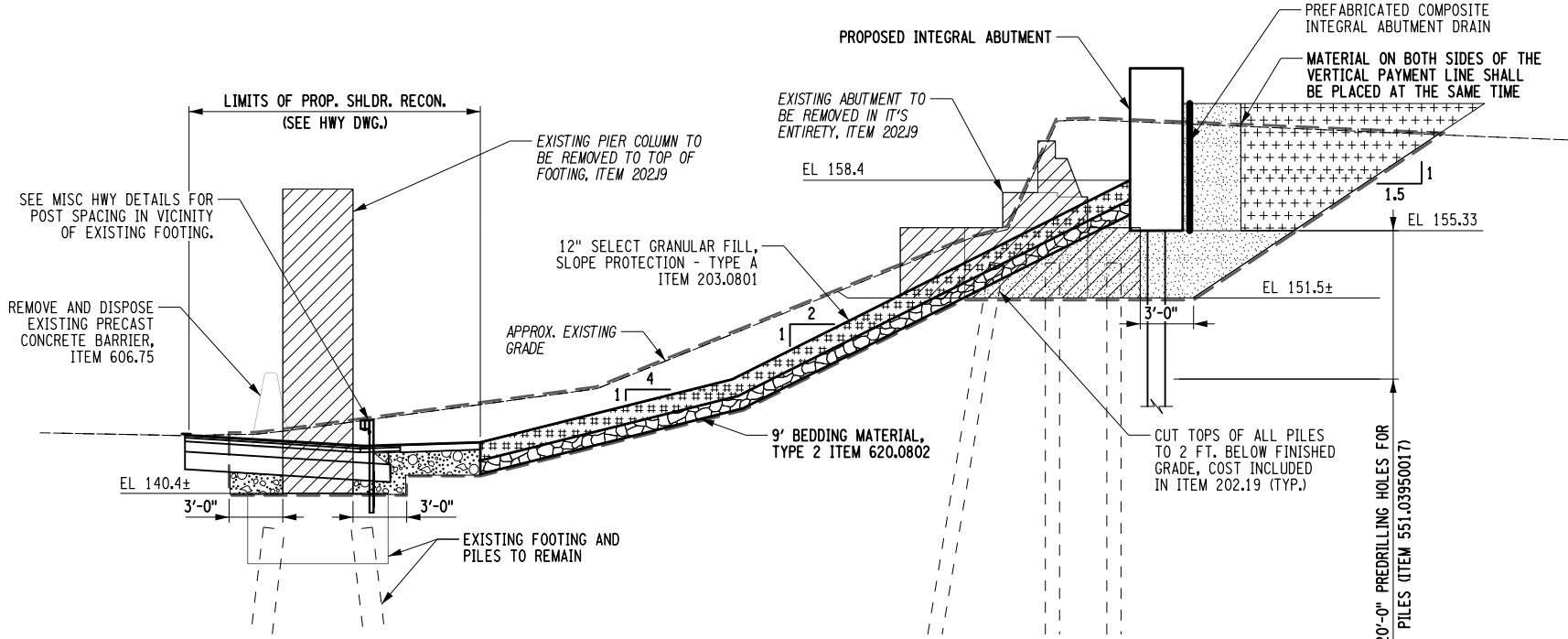
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SECTION A-A



SECTION B-B



SECTION C-C

LEGEND

- SELECT STRUCTURE FILL (ITEM 203.21), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY
- EMBANKMENT IN PLACE (ITEM 203.03)
- SELECT GRANULAR FILL, SLOPE PROTECTION - TYPE A (ITEM 203.0801)
- 9" BEDDING MATERIAL, TYPE 2 (ITEM 620.0802)
- LIGHTWEIGHT EMBANKMENT IN PLACE (45 PCF) LOOSE DENSITY, ITEM 203.03240017
- REMOVAL OF SUBSTRUCTURES (ITEM 202.19)
- PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN (ITEM 207.27)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01)

PROPOSED FOOTING SUBGRADES:

IT IS RECOMMENDED THAT THE FOUNDATIONS SUBGRADES BE OVER-EXCAVATED A MIN. OF 12 IN. AND REPLACED WITH 12 IN. OF NYSDOT NUMBER 2 CRUSHED STONE, COMPACTED WITH A MIN. 4 PASSES WITH A DUAL-DRUM, WALK-BEHIND VIBRATORY ROLLER, OR EQUIVALENT. COMPACTED CRUSHED STONE LAYERS EXCEEDING 12 IN. THICKNESS SHOULD BE COMPLETELY WRAPPED IN A NON-WOVEN GEOTEXTILE FABRIC. ALL COSTS FOR WORK ASSOCIATED WITH SUBGRADE WILL BE INCLUDED IN COST FOR EXCAVATION.

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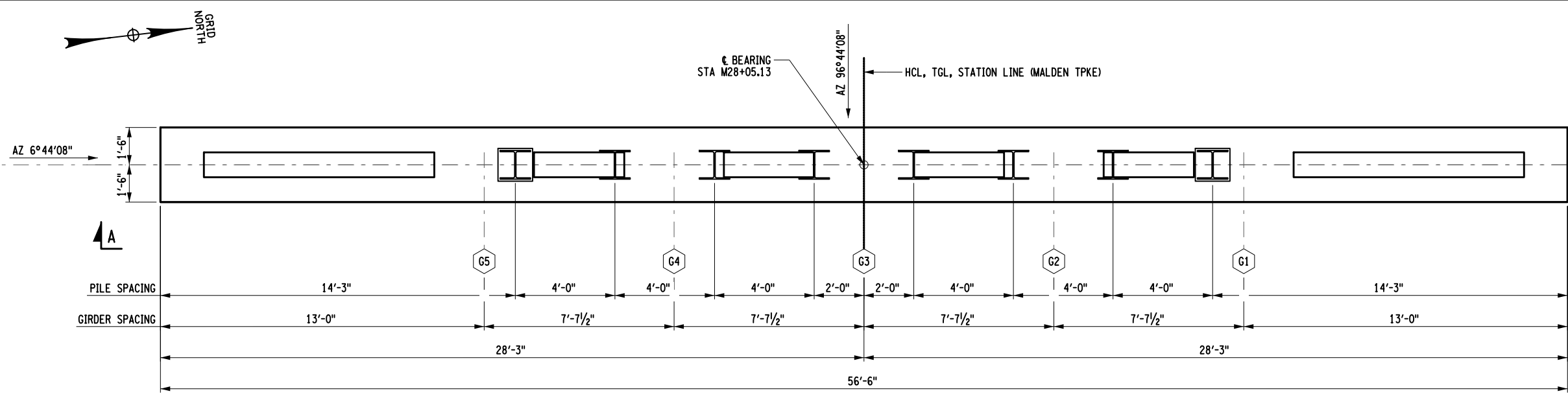
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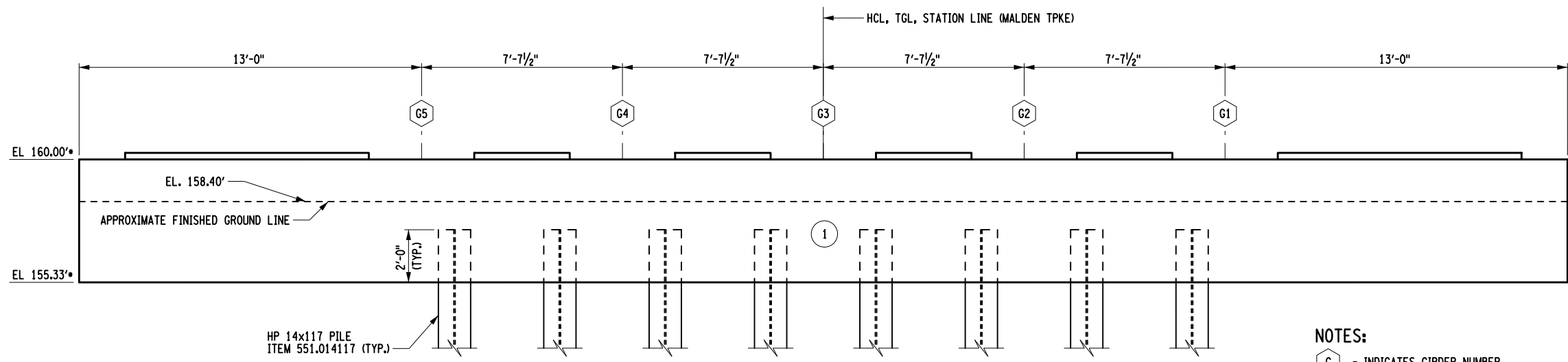
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DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
	TITLE OF DRAWING EXCAVATION AND EMBANKMENT SECTIONS	DRAWING NUMBER: ST-8

- PILE NOTES:
1. THE BEG. ABUT PILES ARE DESIGNED TO SUPPORT A MAX. STRENGTH LIMIT STATE AXIAL LOAD OF 176 KIPS. ALL PILES SHALL BE DRIVEN TO ENSURE THE PILE TIP IS BEARING ON SOUND ROCK. THESE PILES HAVE AN ESTIMATED LENGTH OF 72 FEET. THE NOMINAL INSTALLED RESISTANCE OF THESE PILES SHALL BE A MIN. OF 370 KIPS IN END BEARING.
 2. THE MAXIMUM SERVICE LIMIT STATE AXIAL LOAD FOR THE PILES AT THE BEG. ABUT. IS 125 KIPS PER PILE. THE CONTRACTOR SHALL SUBMIT TO THE NYSTA GEOTECHNICAL ENGINEER FOR APPROVAL FORM BD 138, PILE DRIVING EQUIPMENT DATA, A MINIMUM OF 21 CALENDAR DAYS PRIOR TO DRIVING PILES.
 3. DYNAMIC PILE TESTS SHALL BE CONDUCTED ON A MIN. OF TWO PILES AT THE BEG. ABUT. AS INDICATED ON THIS SHEET. 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 MIN. OF 5 FEET LONGER THAN THE ESTIMATED PILE LENGTH AT THE TEST LOCATION. REFER TO THE SPECIAL NOTE IN THE PROPOSAL, TITLED "FURNISHING EQUIPMENT AND PERSONEL-DYNAMIC LOAD TESTING OF PILES." THE DYNAMIC PILE TEST WILL CONSIST OF ONE TEST AT INITIAL DRIVE AND A RESTRIKE AFTER 72 HOUR WAITING PERIOD. ADDITIONAL PILES MAY BE DRIVEN DURING THIS TIME. STARTING A MIN. DISTANCE OF 10 FEET FROM THE TEST PILE AND PROGRESSING AWAY FROM THE TEST PILE.
 4. ALLOWABLE PILE TOLERANCE LIMITS: PILES SHALL BE TRULY VERTICAL OR ACCURATELY BATTERED AS INDICATED ON THE CONTRACT PLANS. THE TOP OF ANY PILE SHALL NOT VARY FROM THE PLAN LOCATION BY MORE THAN 1 INCH. IN ADDITION, PILES MAY HAVE A VARIATION AT THEIR TIP OF NOT MORE THAN 1/4" PER FOOT (2% SLOPE) FROM THE VERTICAL OR FROM THE BATTER SHOWN ON THE PLAN. IF THE INSTALLATION LOCATION OF ANY OF THE PILES EXCEED THE TOLERANCE LIMIT OF 1 INCH, THE ENGINEER WILL IMMEDIATELY CONTACT THE NYSTA GEOTECHNICAL ENGINEER FOR THE RECTIFICATION MEASURES AND RECOMMENDATIONS. THE CONTRACTOR SHALL FOLLOW THE DIRECTIONS OF NYSTA GEOTECHNICAL ENGINEER TO RECTIFY THE FOUNDATION AT NO ADDITIONAL COST TO THE OWNER.
 5. THE EXISTING ABUT. IS PILE SUPPORTED. THESE EXISTING PILES MAY INTERFERE WITH THE INSTALLATION OF THE PROPOSED PILES. IF THERE ARE PILE INTERFERENCES, THE ENGINEER WILL CONTACT THE NYSTA STRUCTURES DESIGN BUREAU AND DIRECT THE CONTRACTOR HOW TO PROCEED.
 6. THE USE OF MECHANICAL PILE SPLICES MAY BE ALLOWED ON THIS STRUCTURE IF THE FOLLOWING REQUIREMENTS ARE MET: A. PLACE A SEAL WELD COMPLETELY AROUND THE TOP AND BOTTOM OF THE SPLICER SLEEVE. B. DO NOT USE A SPLICER SLEEVE WITHIN 30 FEET OF THE PILE TOE. C. AVOID THE USE OF MECHANICAL PILE SPLICES WITHIN 6 FEET OF THE PILE CUT-OFF ELEVATION. D. STAMPED ENGINEERING CALCULATIONS, PERFORMED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER WITH CURRENT REGISTRATION, SHALL SHOW THAT THE SPLICED PILE HAS A THEORETICAL BENDING CAPACITY OF AT LEAST 95% OF THE UNSPLICED PILE.
 7. PROVIDE STEEL BEARING PILES MEETING THE REQUIREMENTS OF ASTM A572 GRADE 50 STEEL.
 8. EQUIP ALL STEEL H-PILES WITH APF HP77750 OR EQUIVALENT.
 9. IT IS RECOMMENDED THAT THE CONTRACTOR USE A TEMPLATE SYSTEM FOR DRIVING PILES TO MAINTAIN CORRECT ALIGNMENT AND MEET TOLERANCE REQUIREMENTS AS NOTED ON THESE DRAWINGS. THIS SYSTEM MAY ALSO BE USED TO SECURE THE PILES DURING SPLICING OPERATIONS AS THE WEIGHT OF THE PILES MAY CAUSE THEM TO ADVANCE THROUGH THE SOFT CLAY LAYER WITHOUT DRIVING.



BEGIN ABUTMENT PLAN AND PILE LAYOUT



BEGIN ABUTMENT ELEVATION A-A

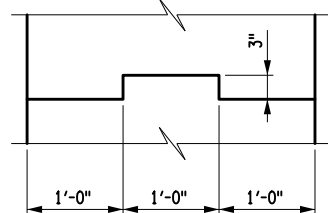
NOTES:

- (G) - INDICATES GIRDER NUMBER.
 - (NO) - INDICATES CONCRETE POUR NUMBER.
 - (I) - INDICATES LOCATION OF DYNAMIC PILE TEST.
1. FOR REINFORCEMENT DETAILS, SEE DWGS. ST-10, ST-12 & ST-13.
 2. FOR H-PILE SPLICE DETAILS, SEE DWG. ST-41.
 3. 1" CHAMFERS ON ALL EXPOSED EDGES (U.N.O.), FOR "CHAMFER DETAIL", SEE DWG. ST-41.
 4. FOR WATERSTOP DETAILS, SEE DWG. ST-41.
 5. FOR TEMPORARY STEEL GIRDER SUPPORT DETAILS, SEE DWG. ST-29.
 6. FOR INTEGRAL ABUTMENT CONSTRUCTION PROCEDURE, SEE DWG. ST-13
 7. AFTER COMPLETION OF THE PILE INSTALLATION, THE ENGINEER WILL COMPLETE THE "ACTUAL PILE LENGTH" TABLE FOR INCLUSION IN THE AS-BUILT PLANS.
 8. FOR PILE TIP DETAILS, SEE DWG. ST-41.

SETTLEMENT MITIGATION

AS NOTED IN SECTION 3.3 OF THE FOUNDATION DESIGN REPORT COMPLETED BY K.C. ENGINEERING AND LAND SURVEYING, P.C. DATED SEPT. 2025, THIS PROJECT REQUIRES UNDERCUTTING OF EXISTING SOILS AND USE OF LIGHTWEIGHT FILL TO CREATE A NET ZERO INCREASE IN EMBANKMENT LOADING AROUND THE ABUTMENTS AND HIGHWAY APPROACHES TO ELIMINATE SETTLEMENT AND DOWN DRAG LOADING IN THE PILES.

CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	29.3 CY	555.0021



NOTE:
REINFORCEMENT NOT SHOWN FOR CLARITY. KEYWAY TO STOP 1'-0" FROM SUPPORT PLATE OR CONSTRUCTION JOINT.

KEYWAY DETAIL
NOT TO SCALE

PILE TABLE		
PLACEMENT	SECTION	LENGTH BELOW CUT-OFF
1	HP 14x117	
2	HP 14x117	
3	HP 14x117	
4	HP 14x117	
5	HP 14x117	
6	HP 14x117	
7	HP 14x117	
8	HP 14x117	

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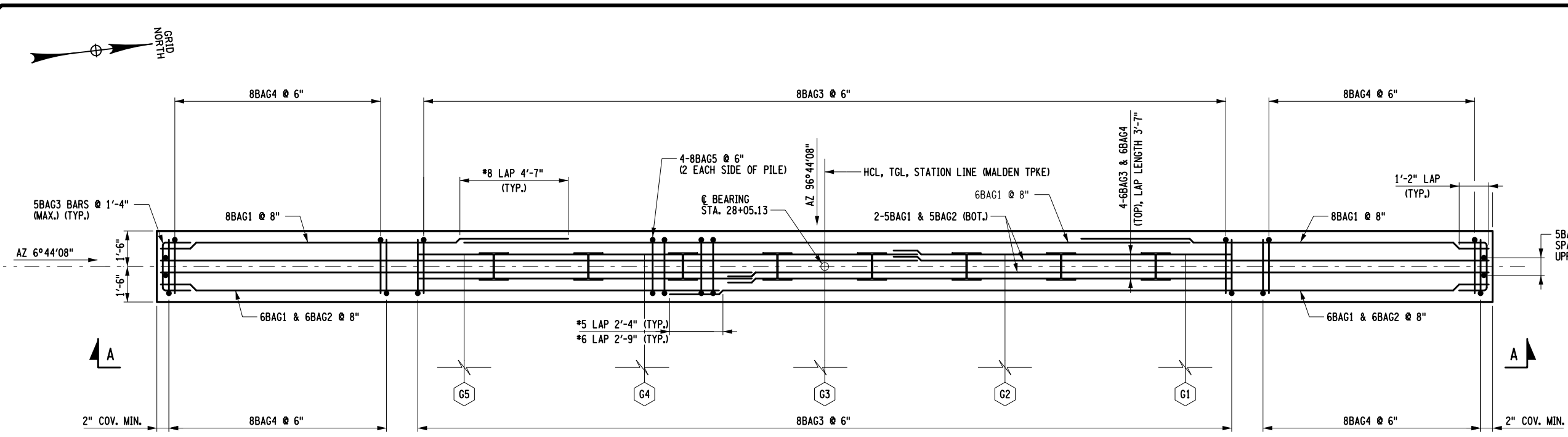


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
TITLE OF DRAWING BEGIN ABUTMENT LOWER POUR PLAN AND ELEVATION	DRAWING NUMBER: ST-9

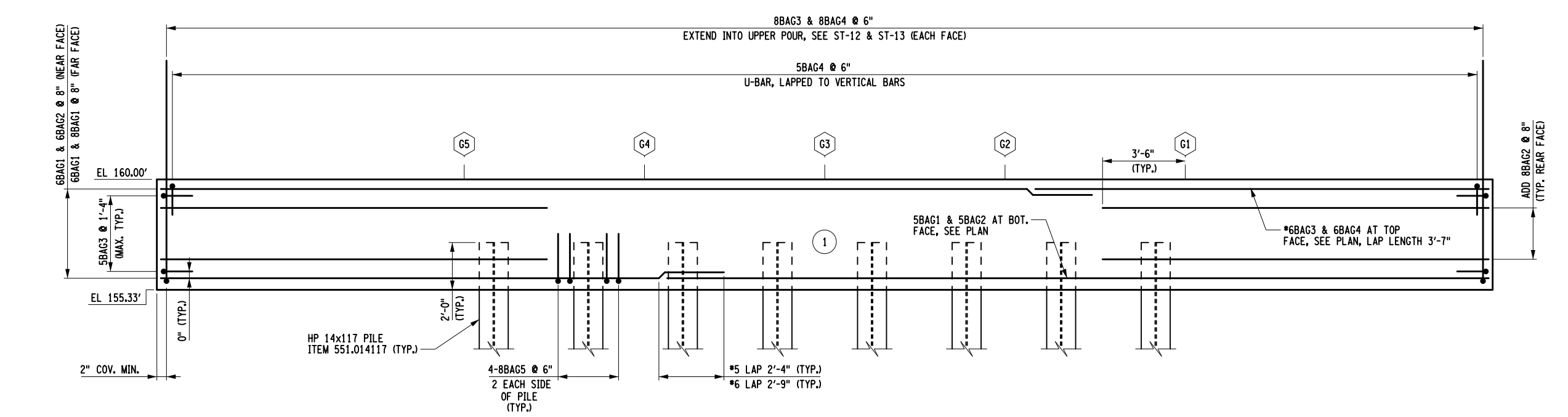
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 SIGNATURE: RYAN DOUGLAS HENDERSON
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BEGIN ABUTMENT - LOWER POUR REINFORCEMENT PLAN
NOT TO SCALE



BEGIN ABUTMENT - REINFORCEMENT ELEVATION A-A
NOT TO SCALE

- NOTES:**
- G - INDICATES GIRDER NUMBER.
 - NO - INDICATES CONCRETE POUR NUMBER.
 - I - INDICATES PILE LOCATION.
 - 1. (G) DENOTES GALVANIZED BARS, ITEM 556.0203.
 - 2. COVER FOR STEEL REINFORCEMENT SHALL BE 2" UNLESS OTHERWISE NOTED.
 - 3. FOR BEGIN ABUTMENT GEOMETRY, SEE DWG ST-9.
 - 4. ALL LAP LOCATIONS SHALL BE ALTERNATING.

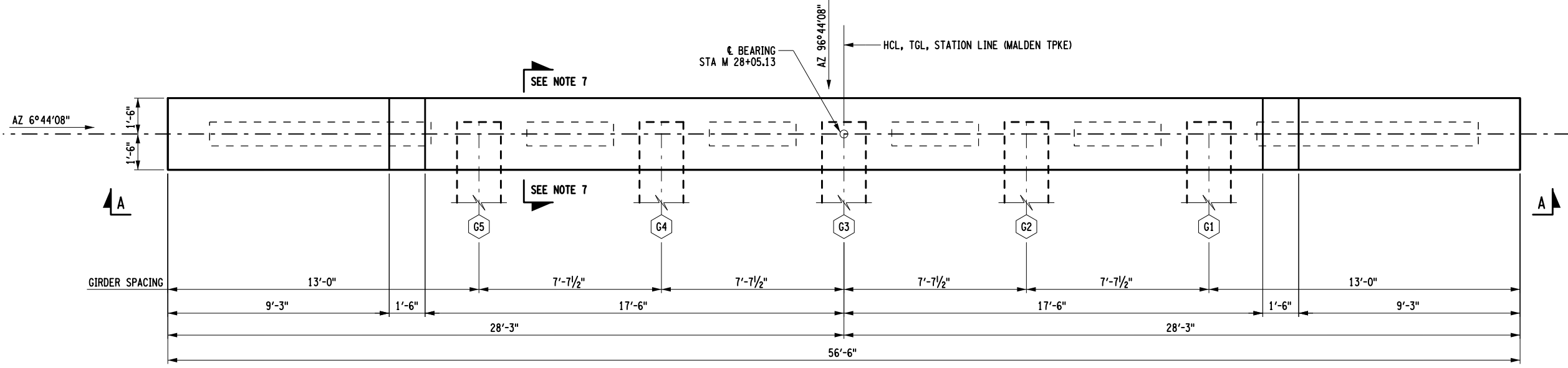
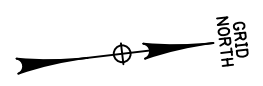
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ALTERED ON:	AFFIXED ON: 10/09/2025
SIGNATURE: STAMP:	SIGNATURE: RYAN DOUGLAS HENDERSON STAMP:

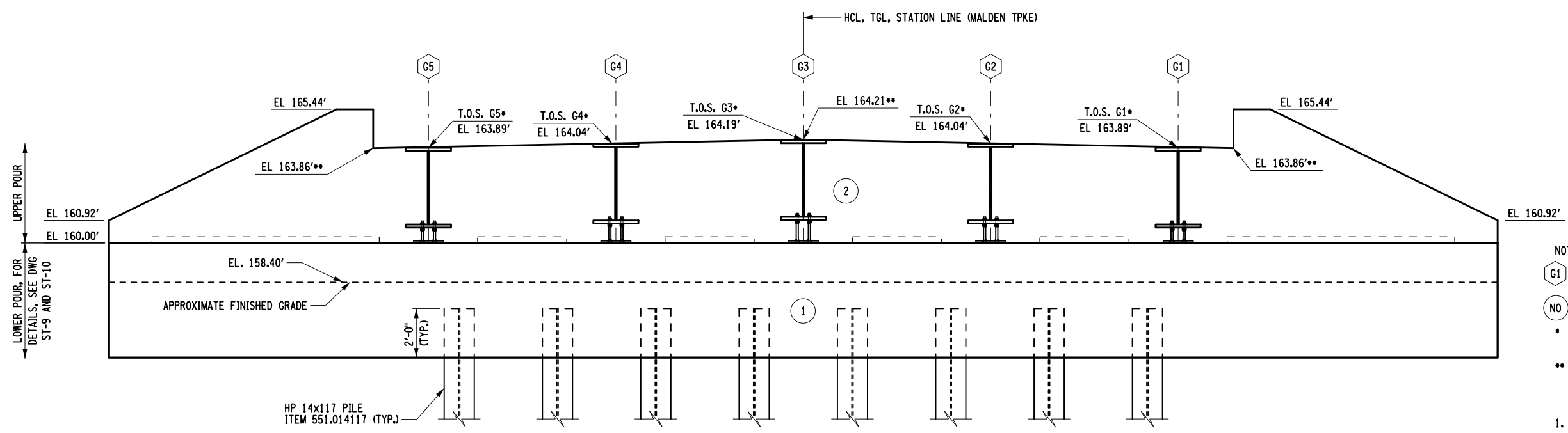
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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 MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
	TITLE OF DRAWING BEGIN ABUTMENT LOWER POUR REINFORCEMENT SECTIONS	DRAWING NUMBER: ST-10



BEGIN ABUTMENT UPPER POUR PLAN



BEGIN ABUTMENT ELEVATION A-A

- NOTES:
- G1 - INDICATES GIRDER NUMBER.
 - NO - INDICATES CONCRETE POUR NUMBER.
 - * - INDICATES ELEVATION IS GIVEN AT THE ϕ BEARING.
 - ** - INDICATED ELEVATION IS GIVEN AT FRONT FACE OF ABUTMENT, TOP OF UPPER POUR UNDER SUPERSTRUCTURE DECK TO FOLLOW PROFILE OF ROADWAY.
1. FOR REINFORCEMENT DETAILS, SEE DWGS. ST-10, ST-12 & ST-13.
 2. FOR H-PILE SPLICE DETAILS, SEE DWG. ST-41.
 3. 1" CHAMFERS ON ALL EXPOSED EDGES (U.N.O.), FOR "CHAMFER DETAIL", SEE DWG. ST-41.
 4. FOR WATERSTOP DETAILS, SEE DWG. ST-41.
 5. FOR TEMPORARY STEEL GIRDER SUPPORT DETAILS, SEE DWG. ST-29.
 6. FOR INTEGRAL ABUTMENT CONSTRUCTION PROCEDURE, SEE DWG. ST-13.
 7. FOR INTEGRAL ABUTMENT SECTION, SEE DWG. ST-13.

CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
②	24.1 CY	555.0021

ALTERED ON:	AFFIXED ON: 10/09/2025
SIGNATURE: STAMP:	SIGNATURE: RYAN DOUGLAS HENDERSON STAMP:

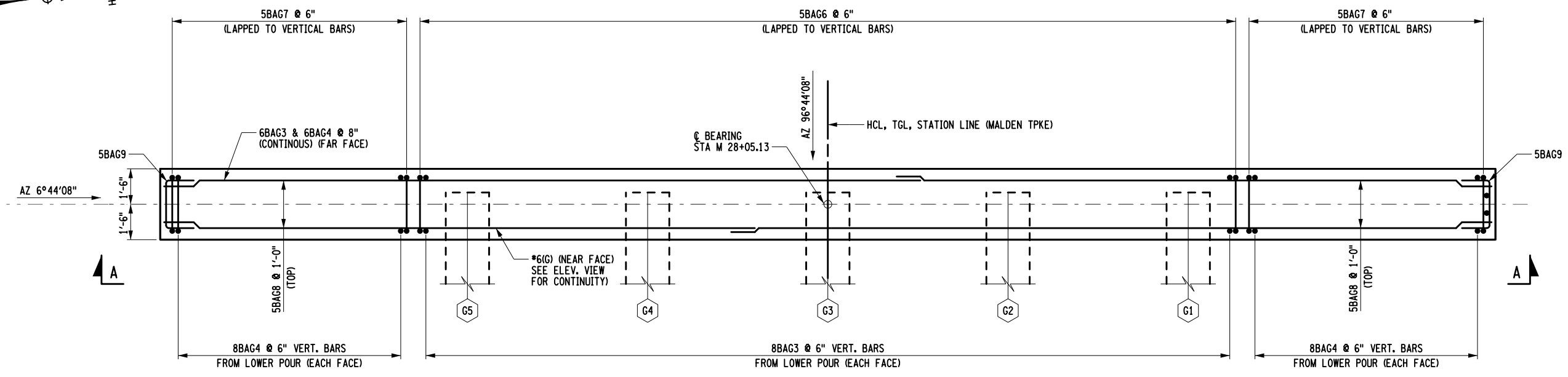
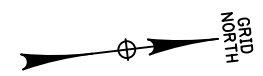
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

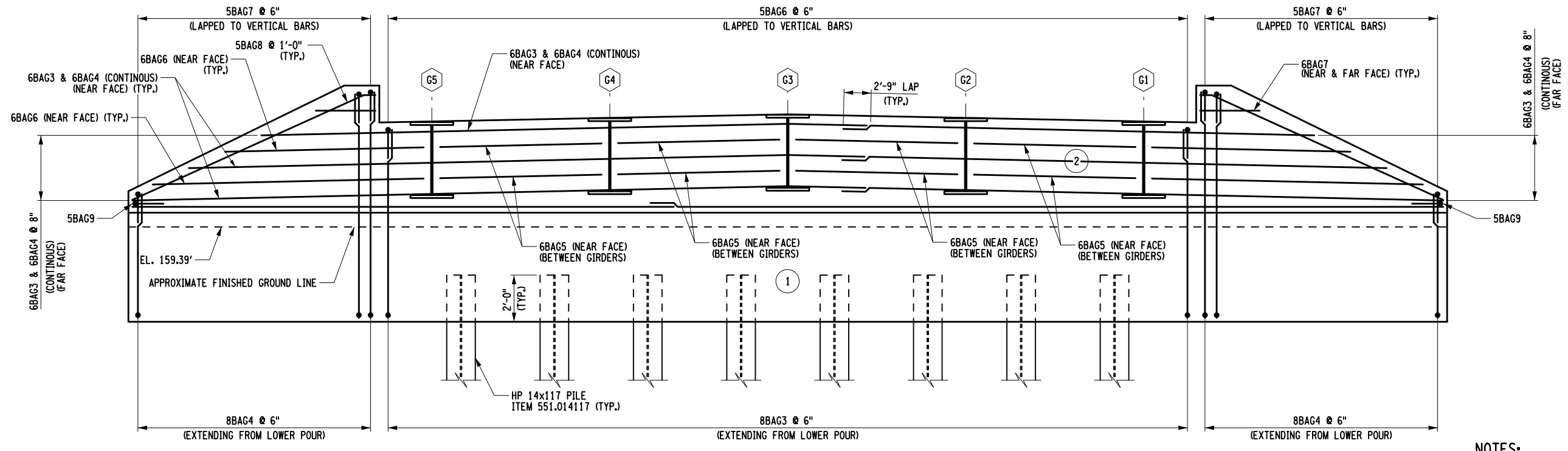


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
TITLE OF DRAWING BEGIN ABUTMENT UPPER POUR PLAN AND ELEVATION	DRAWING NUMBER: ST-11

USER = jmtpx11-pr-svc
 DATE/TIME = 09-OCT-2025 19:56
 CHECK
 DRAFTING
 DESIGN
 DESIGN SUPERVISOR



BEGIN ABUTMENT - UPPER POUR REINFORCEMENT PLAN



BEGIN ABUTMENT - REINFORCEMENT ELEVATION A-A

- NOTES:**
- ⬡ - INDICATES GIRDER NUMBER.
 - ⊙ - INDICATES CONCRETE POUR NUMBER.
 - 1. (G) DENOTES GALVANIZED BARS, ITEM 556.0203.
 - 2. COVER FOR STEEL REINFORCEMENT SHALL BE 2" UNLESS OTHERWISE NOTED.
 - 3. FOR BEGIN ABUTMENT GEOMETRY, SEE DWG ST-11.

CHECK
 DRAFTING
 CHECK
 DESIGN
 DESIGN SUPERVISOR
 USER = jmtpx11-pr-svc
 DATE/TIME = 09-OCT-2025 19:57
 FILE NAME =

ALTERED ON:	AFFIXED ON: 10/09/2025
SIGNATURE: STAMP:	SIGNATURE: RYAN DOUGLAS HENDERSON 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 MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
TITLE OF DRAWING BEGIN ABUTMENT UPPER POUR REINFORCEMENT SECTIONS	DRAWING NUMBER: ST-12

PW/1
 CHECKED BY: A. REGUNTA
 DRAFTED BY: J. BOLGER
 CHECKED BY: A. REGUNTA
 DESIGNED BY: J. BOLGER
 DESIGN SUPERVISOR: R. SHARMA

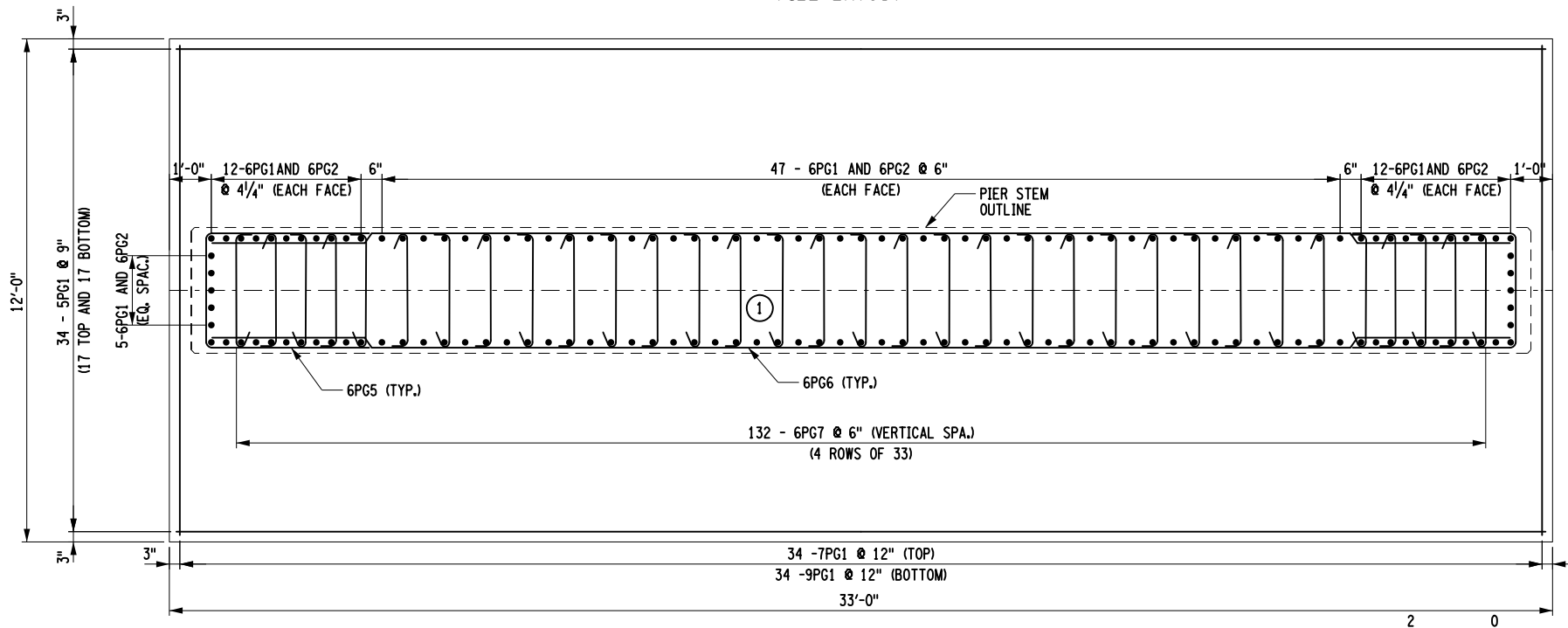
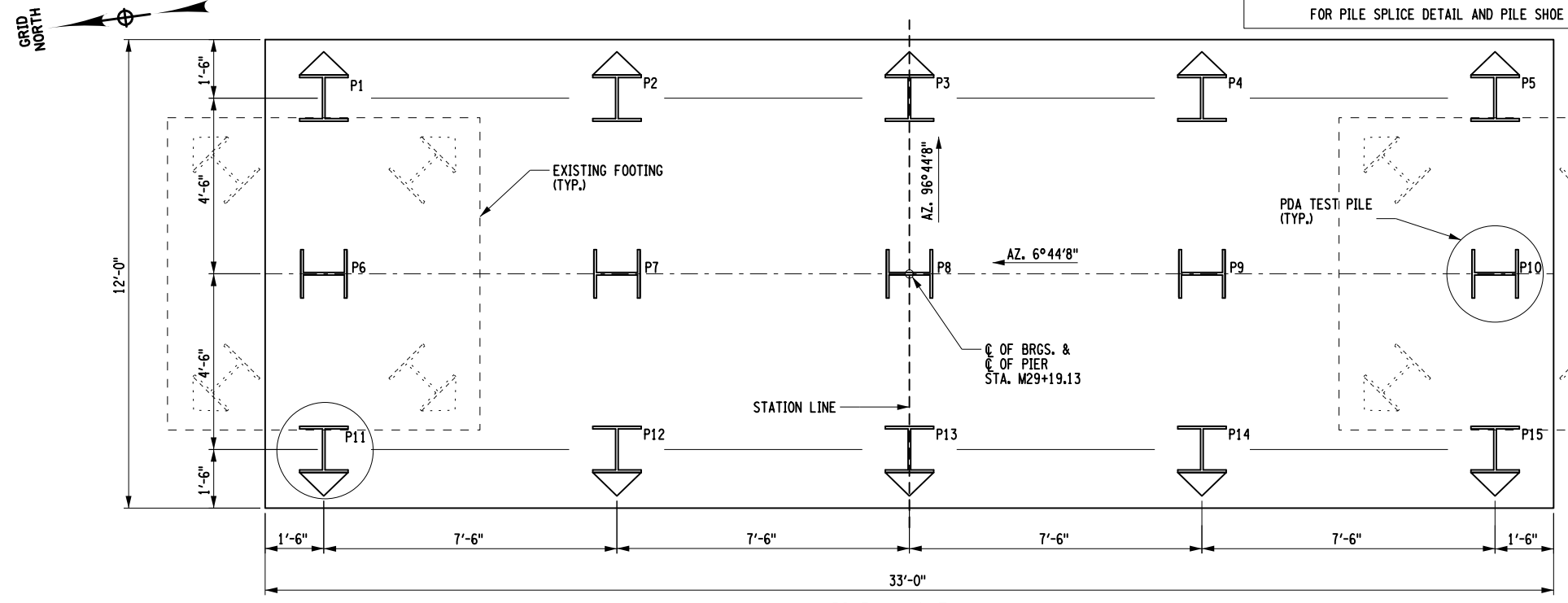
PILE NOTES:

- THE PIER PILES ARE DESIGNED TO SUPPORT A MAXIMUM STRENGTH LIMIT STATE AXIAL LOAD OF 240 KIPS PER PILE. ALL PILES SHALL BE DRIVEN TO ENSURE THE PILE TIP IS BEARING ON SOUND ROCK. THESE PILES HAVE AN ESTIMATED LENGTH OF 77 FEET FOR VERTICAL PILES AND 78 FEET FOR BATTERED PILES. THE NOMINAL INSTALLED RESISTANCE OF THESE PILES SHALL BE A MINIMUM OF 500 KIPS IN END BEARING.
- THE MAXIMUM SERVICE LIMIT STATE AXIAL LOAD FOR THE PILES AT THE PIER IS 187 KIPS PER PILE.
- THE CONTRACTOR SHALL SUBMIT TO THE NYSTA GEOTECH FOR APPROVAL FORM BD 138 PILE DRIVING EQUIPMENT DATA A MINIMUM OF 21 CALENDAR DAYS PRIOR TO BEGINNING PILE DRIVING WORK.
- DYNAMIC PILE TESTS SHALL BE CONDUCTED ON THE FIRST PILE AND ON A MINIMUM OF TWO PILES AT THE PIER AS INDICATED ON THIS SHEET. 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 TITLED "FURNISHING EQUIPMENT AND PERSONNEL- DYNAMIC LOAD TESTING OF PILES".
- THE DYNAMIC PILE TEST WILL CONSIST OF ONE TEST AT INITIAL DRIVE AND A RESTRIKE AFTER A 72 HOUR WAITING PERIOD. ADDITIONAL PILES MAY BE DRIVEN DURING THIS TIME, STARTING A MINIMUM DISTANCE OF 10 FEET FROM THE TEST PILE AND PROGRESSING AWAY FROM THE TEST PILE.
- ALLOWABLE PILE TOLERANCE LIMITS:
 PILES SHALL BE TRULY VERTICAL OR ACCURATELY BATTERED AS INDICATED ON THE CONTRACT PLANS. THE TOP OF ANY PILE SHALL NOT VARY FROM THE PLAN LOCATION BY MORE THAN 3 INCHES. IN ADDITION, PILES MAY HAVE A VARIATION AT THEIR TIP OF NOT MORE THAN 1/4" PER FOOT (2% SLOPE) FROM THE VERTICAL OR FROM THE BATTER SHOWN ON THE PLAN. IF THE INSTALLATION LOCATION OF ANY OF THE PILES EXCEEDS THE TOLERANCE LIMIT OF 3 INCHES, THE ENGINEER WILL IMMEDIATELY CONTACT THE NYSTA GEOTECHNICAL ENGINEER FOR THE RECTIFICATION MEASURES AND RECOMMENDATIONS. THE CONTRACTOR SHALL FOLLOW THE DIRECTIONS OF NYSTA GEOTECHNICAL ENGINEER TO RECTIFY THE FOUNDATION AT NO ADDITIONAL COST TO THE OWNER.
- THE EXISTING PIER FOOTING IS PILE SUPPORTED. THESE EXISTING PILES MAY INTERFERE WITH THE INSTALLATION OF THE PROPOSED PILES. IF THERE ARE PILE INTERFERENCES, THE ENGINEER WILL CONTACT THE NYSTA STRUCTURES DESIGN BUREAU AND DIRECT THE CONTRACTOR HOW TO PROCEED.
- DIFFICULT DRIVING OF PILES MAY BE ENCOUNTERED AND IT MAY BE NECESSARY TO USE MECHANICAL EQUIPMENT TO REMOVE VERY COMPACT MATERIAL, OBSTRUCTIONS OR BOULDERS FROM THE LOCATION OF THE PILES. WHEN REQUIRED, SPUD OR EXCAVATE HOLES PRIOR TO DRIVING IN ACCORDANCE WITH SECTION 551.
- THE USE OF MECHANICAL PILE SPLICES MAY BE ALLOWED ON THIS STRUCTURE IF THE FOLLOWING REQUIREMENTS ARE MET:
 A. PLACE A SEAL WELD COMPLETELY AROUND THE TOP AND BOTTOM OF THE SPLICER SLEEVE.
 B. DO NOT USE A SPLICER SLEEVE WITHIN 30 FEET OF THE PILE TOE.
 C. AVOID THE USE OF MECHANICAL PILE SPLICES WITHIN 6 FEET OF THE PILE CUT-OFF ELEVATION.
 D. STAMPED ENGINEERING CALCULATIONS, PERFORMED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER WITH CURRENT REGISTRATION, SHALL SHOW THAT THE SPLICED PILE HAS A THEORETICAL BENDING CAPACITY OF AT LEAST 95% OF THE UNSPLICED PILE.
- PROVIDE STEEL BEARING PILES MEETING THE REQUIREMENTS OF ASTM A572 GRADE 50 STEEL.
- EQUIP ALL STEEL BEARING PILES WITH REINFORCED SHOE (APF HP7750 OR EQUIVALENT).
- AFTER COMPLETION OF THE PILE INSTALLATION, THE ENGINEER SHALL COMPLETE THE "ACTUAL PILE LENGTH" COLUMN IN THE "PILE SCHEDULE" TABLE SHOWN ON DWG. ST-18 FOR INCLUSION IN THE AS-BUILT PLANS.

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
551.014117	STEEL H-PILES (HP 14X117)	1165	FT
551.12	SPLICES FOR STEEL H-PILES	15	EACH
551.13	FURNISHING EQUIPMENT FOR DRIVING PILES	1	LUMP SUM
551.14	DYNAMIC PILE LOAD TESTING	2	EACH

PDA TEST TABLE					
PILE ID	MAXIMUM TEST LOADS (KIPS)	NOMINAL PILE CAPACITY (EOD) (KIPS)	NOMINAL PILE CAPACITY (BOR) (KIPS)	NOMINAL PILE CAPACITY (CAPWAP) (KIPS)	FACTORED PILE RESISTANCE (KIPS)
P10	500				
P11	500				

PILE TABLE	
	STEEL HP 14X117 PILE ITEM NO: 551.014117 AND FOR SPLICES FOR H-PILES ITEM NO: 551.12
	BATTERED STEEL HP 14X117 PILE (6 VERTICAL TO 1 HORIZONTAL), ITEM NO: 551.014117 AND FOR SPLICES FOR H-PILES ITEM NO: 551.12
	EXISTING BATTERED PILES
PILE CUTOFF ELEVATION IS 139.52 FT.	
FOR PILE SPLICE DETAIL AND PILE SHOE DETAIL, SEE DWG. NO. ST-41.	



CONCRETE AND REINFORCEMENT NOTES:

- COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
- ALL THE REINFORCEMENT SHALL BE GALVANIZED STEEL AND PAID UNDER ITEM 556.0203.
- ALL REINFORCING STEEL SHALL BE A615 GRADE 60 STEEL.
- ALL BAR TIES IN THE SAME ROW SHALL ALTERNATE THE ORIENTATION OF THE 135° AND 90° HOOK BETWEEN FACES.
- (NO) - INDICATES CONCRETE PLACEMENT NUMBER

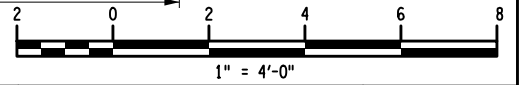
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SIGNATURE: STAMP:	SIGNATURE: STAMP:

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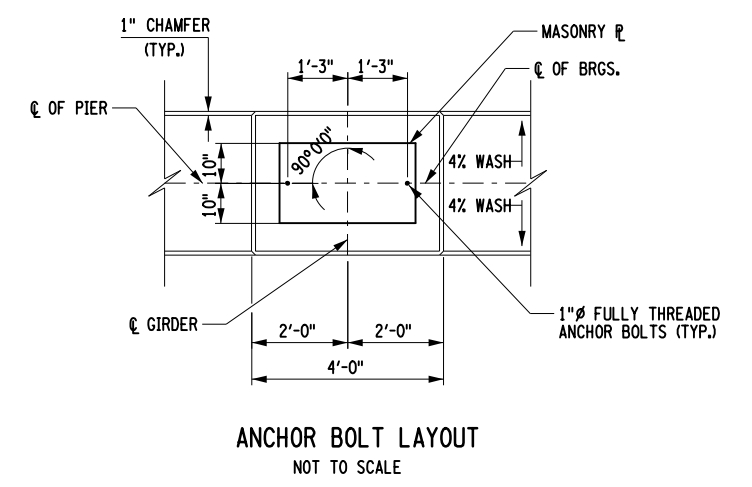
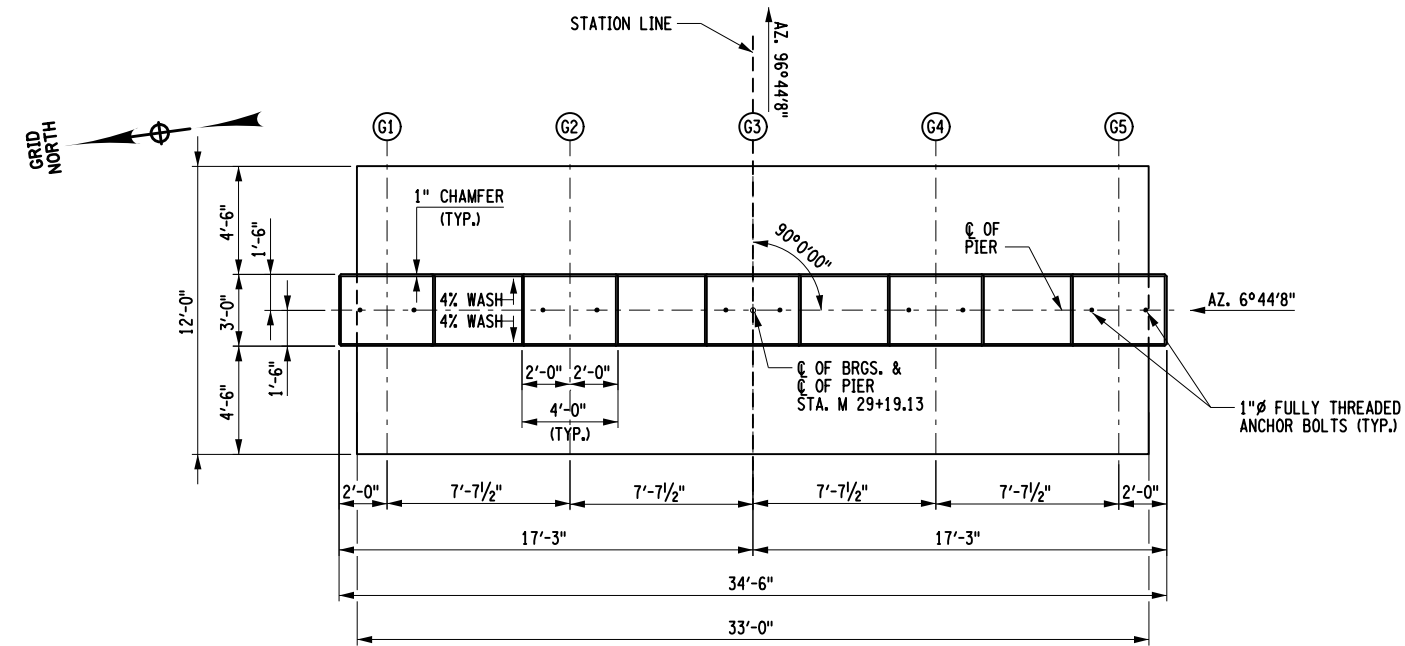
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Engineering and Land Surveying, P.C.

TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING PILE LAYOUT AND PIER FOOTING PLAN	DRAWING NUMBER: ST-14



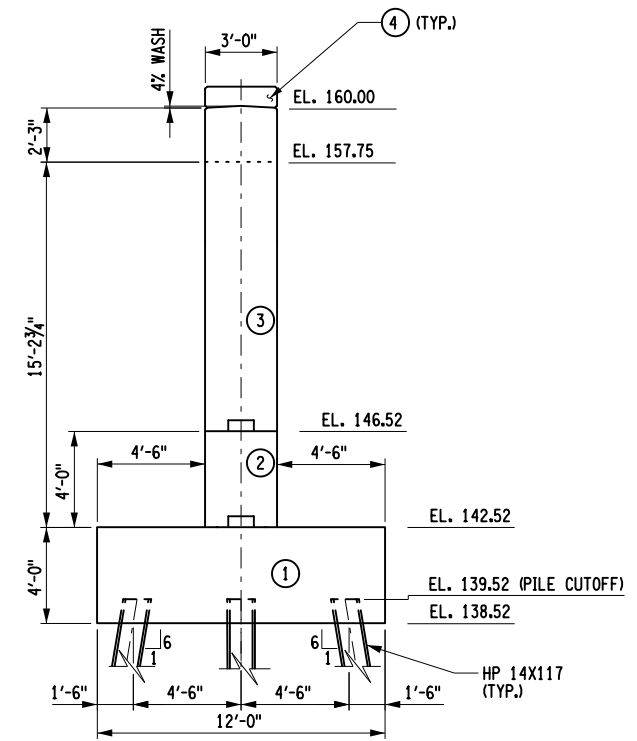
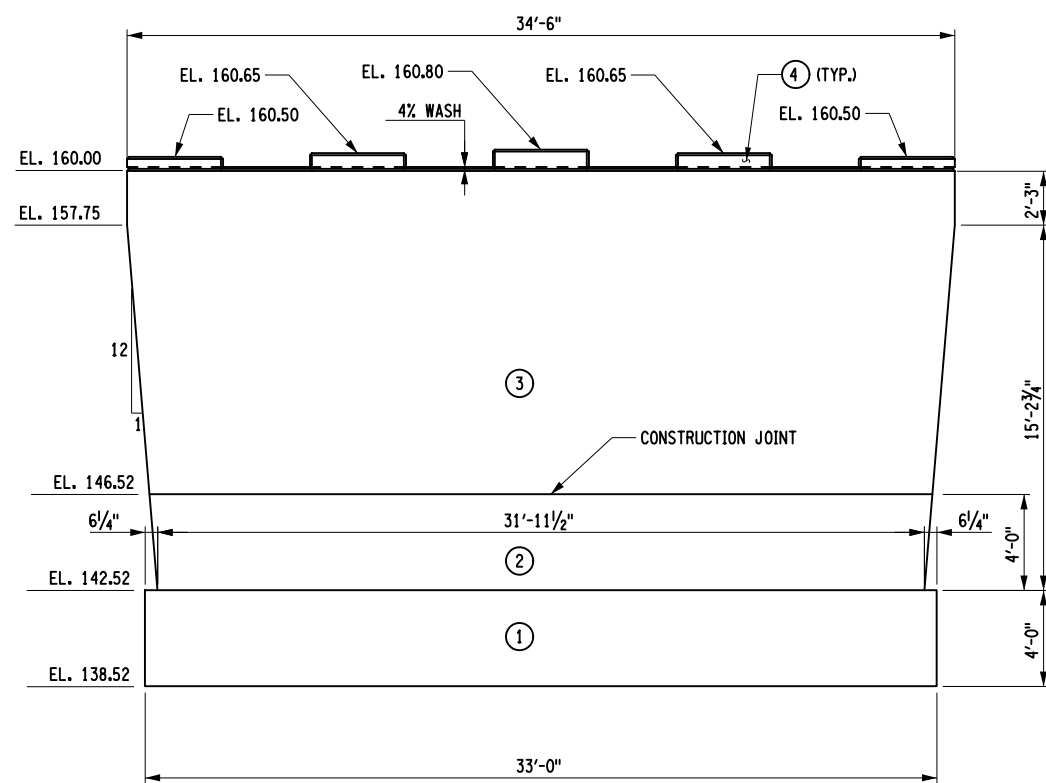
PW/ CHECKED BY: A.REGUNTA DRAFTED BY: J.BOLGER CHECKED BY: A.REGUNTA DESIGNED BY: J.BOLGER DESIGN SUPERVISOR: R.SHARMA



CONCRETE PROTECTIVE SEALING TABLE				
S.NO	ITEM NO.	DESCRIPTION	QUANTITY	UNIT
1	559.02	PIER STEM	1320	SF
2	559.02	PEDESTAL	104	SF

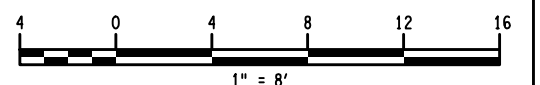
CONCRETE TABLE			
PLACEMENT	ITEM NO.	QUANTITY	UNIT
1	555.0011	58.7	CY
2	555.0021	14.4	CY
3	555.0021	50.6	CY
4	555.0021	1.4	CY

- NOTES:**
- FOR PILE LAYOUT PLAN, SEE DWG. ST-14.
 - APPLY PROTECTIVE SEALER, ITEM NO: 559.02, TO ENTIRE EXPOSED SURFACE AREA OF THE PIER.
 - TYPE A WATERSTOP IS USED FOR PIER CONSTRUCTION. FOR WATERSTOP DETAILS, SEE DWG. ST-18.
 - (NO) - INDICATES CONCRETE PLACEMENT NUMBER.
 - (G) - INDICATES GIRDER NUMBER.
 - IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE TOP OF PEDESTAL ELEVATIONS PRIOR TO CASTING NEW PEDESTALS AND INSTALLING THE NEW BEARINGS.
 - FOR CONSTRUCTION JOINT AND SHEAR KEY DETAILS, SEE DWG. ST-41.
 - DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CALRITY. ALL OTHER DETAILS, FOR WHICH SCALE IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.



ELEVATION
NOTE: PILES NOT SHOWN

END ELEVATION



ALTERED ON:	AFFIXED ON: 09/23/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

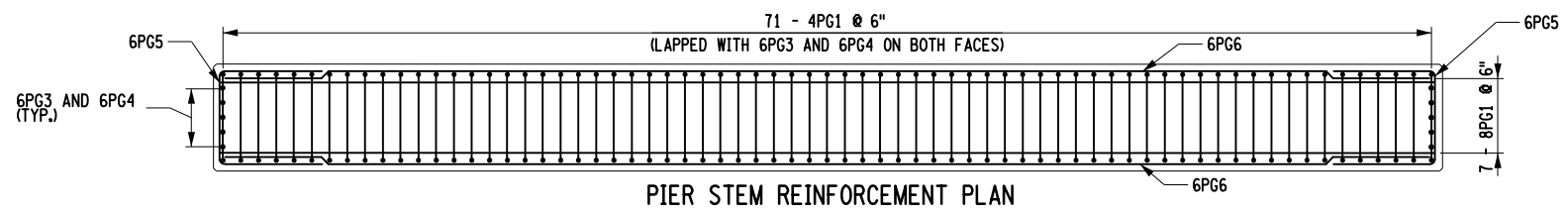
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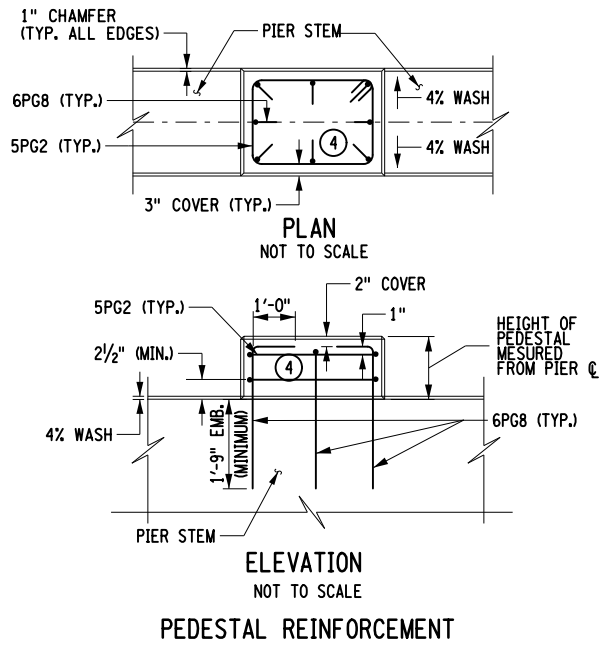


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING PIER PLAN AND ELEVATION	DRAWING NUMBER: ST-15

PW/ CHECKED BY: A.REGUNTA DRAFTED BY: J.BOLGER CHECKED BY: A.REGUNTA DESIGNED BY: J.BOLGER DESIGN SUPERVISOR: R.SHARMA



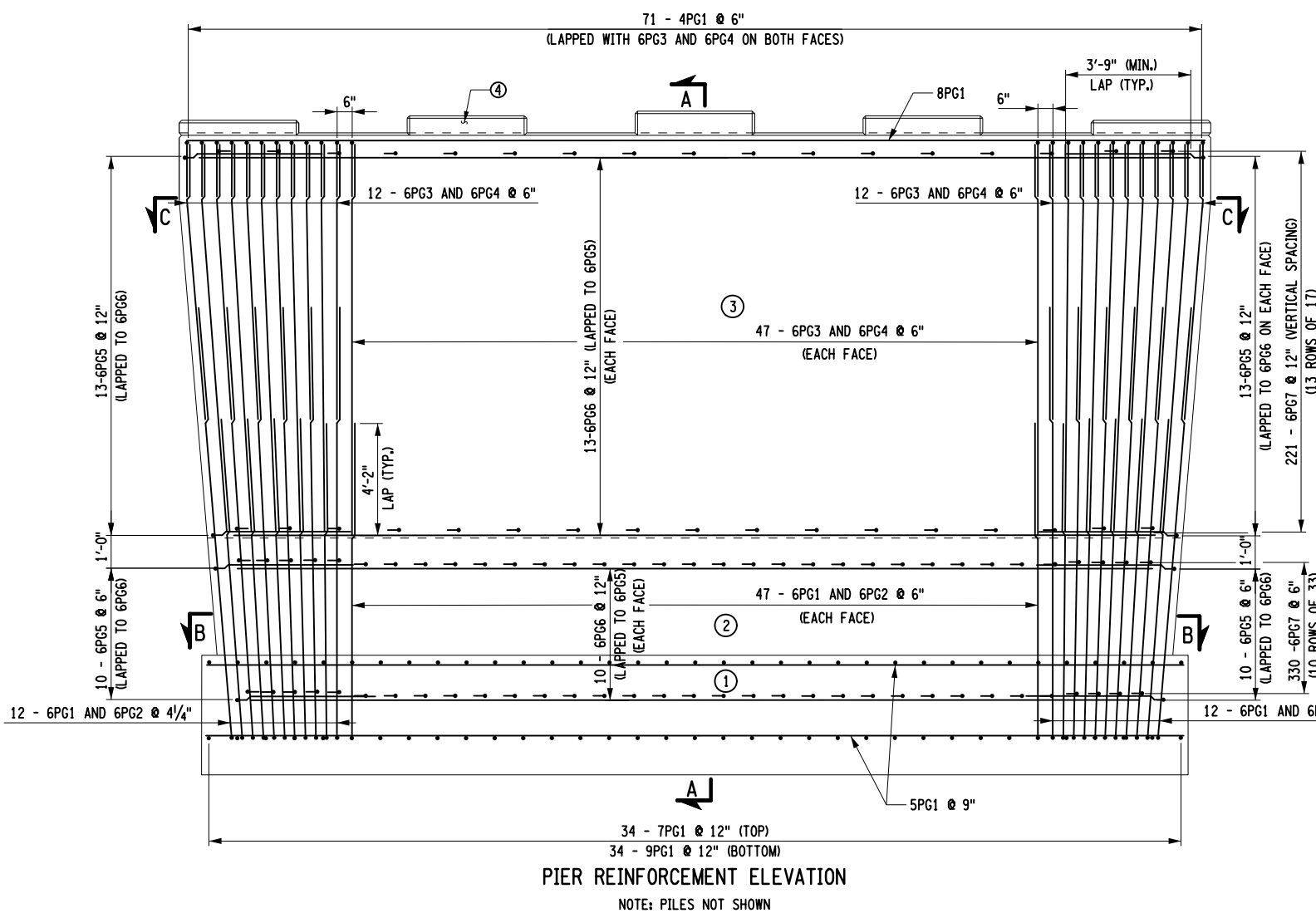
PIER STEM REINFORCEMENT PLAN



PEDESTAL REINFORCEMENT

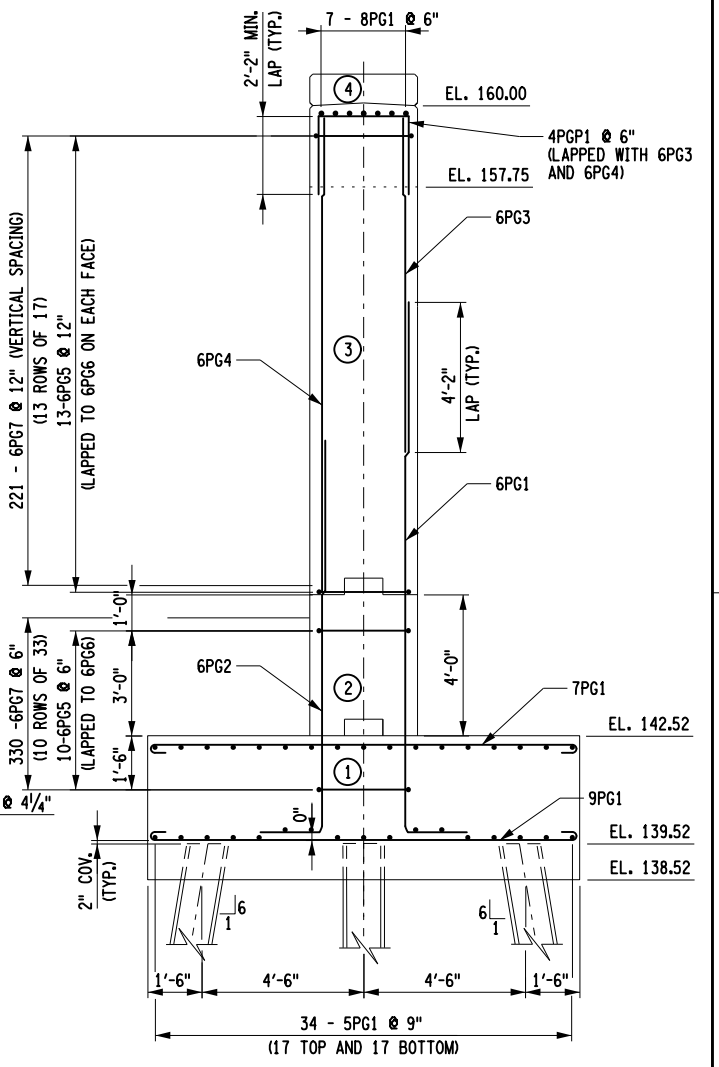
PEDESTAL HEIGHT	NUMBER OF HOOPS
6" TO 8"	1
8" TO 11"	2
11" TO 14"	3

- NOTES:**
- COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
 - ALL THE REINFORCEMENT SHOULD BE GALVANIZED STEEL AND PAID UNDER ITEM 556.0203.
 - ALL REINFORCING STEEL SHALL BE A615 GRADE 60 STEEL.
 - ALL LATERAL TIES IN THE SAME ROW SHALL ALTERNATE THE ORIENTATION OF THE 135° HOOK BETWEEN FACES.
 - FOR SECTION B-B AND C-C, SEE DWG. ST-17.
 - (NO.) - INDICATES CONCRETE PLACEMENT NUMBER.
 - DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH SCALE IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.

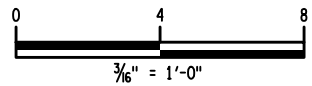


PIER REINFORCEMENT ELEVATION

NOTE: PILES NOT SHOWN



SECTION A-A



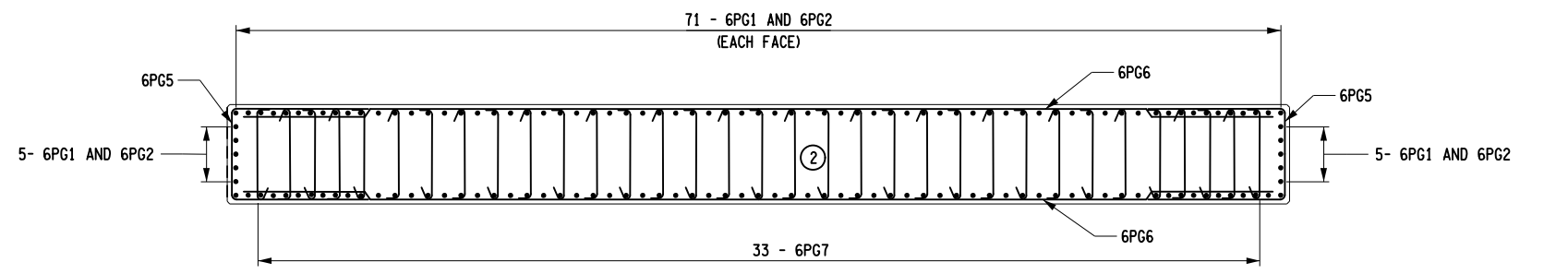
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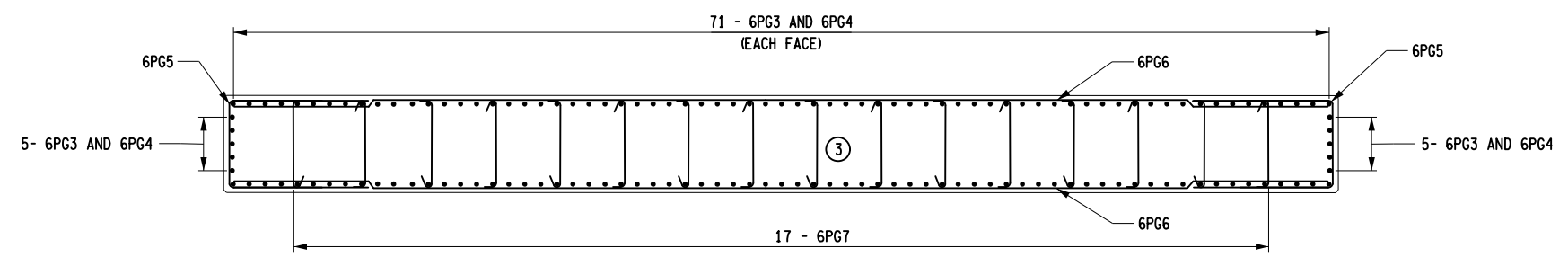
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING PIER REINFORCEMENT (1 OF 2)	DRAWING NUMBER: ST-16

PW: /
 CHECKED BY: A.REGUNTA
 DRAFTED BY: J.BOLGER
 CHECKED BY: A.REGUNTA
 DESIGNED BY: J.BOLGER
 DESIGN SUPERVISOR: R.SHARMA




SECTION B-B



SECTION C-C

NOTES:

1. COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
2. ALL THE REINFORCEMENT SHOULD BE GALVANIZED STEEL AND PAID UNDER ITEM 556.0203.
3. ALL REINFORCING STEEL SHALL BE A615 GRADE 60 STEEL.
4. ALL LATERAL TIES IN THE SAME ROW SHALL ALTERNATE THE ORIENTATION OF THE 135°HOOK BETWEEN FACES.
5. (NO.) - INDICATES CONCRETE PLACEMENT NUMBER.

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 09/23/2025 SIGNATURE: 
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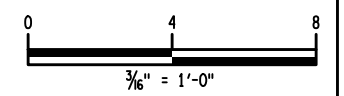
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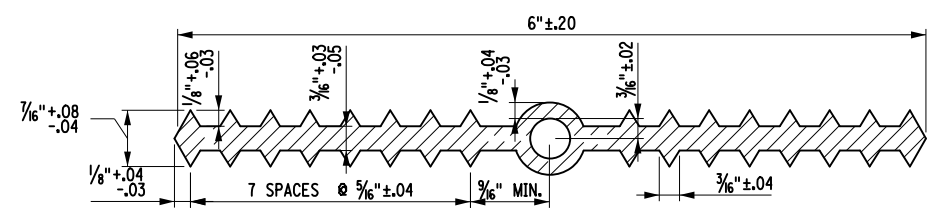
REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL





TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING PIER REINFORCEMENT (2 OF 2)	DRAWING NUMBER: ST-17





TYPE A WATERSTOP
NOT TO SCALE

PILE SCHEDULE						
PILE DESIGNATION	PILE SIZE	STEEL GRADE (KSI)	APPROXIMATE TIP ELEVATION (FT)	PILE CUTOFF ELEVATION (FT)	ESTIMATED PILE LENGTH (FT)	ACTUAL PILE LENGTH (FT)
1	HP14X117	50	62.52	139.52	78	
2	HP14X117	50	62.52	139.52	78	
3	HP14X117	50	62.52	139.52	78	
4	HP14X117	50	62.52	139.52	78	
5	HP14X117	50	62.52	139.52	78	
6	HP14X117	50	62.52	139.52	77	
7	HP14X117	50	62.52	139.52	77	
8	HP14X117	50	62.52	139.52	77	
9	HP14X117	50	62.52	139.52	77	
10	HP14X117	50	62.52	139.52	77	
11	HP14X117	50	62.52	139.52	78	
12	HP14X117	50	62.52	139.52	78	
13	HP14X117	50	62.52	139.52	78	
14	HP14X117	50	62.52	139.52	78	
15	HP14X117	50	62.52	139.52	78	

- NOTES:**
- HOLES MUST NOT BE MADE IN TYPE A WATERSTOP FOR ANY PURPOSE.
 - FOR OTHER NOTES AND CHAMFER DETAIL SEE DWG ST-41.

PW/ CHECKED BY: A.REGUNTA DRAFTED BY: J.BOLGER DESIGNED BY: J.BOLGER CHECKED BY: A.REGUNTA DESIGN SUPERVISOR: R.SHARMA

ALTERED ON:	AFFIXED ON: 09/23/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

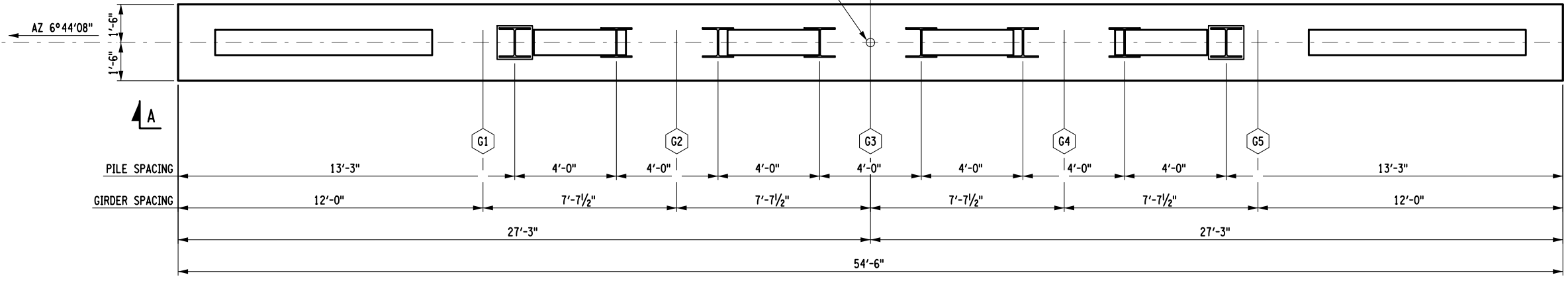
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

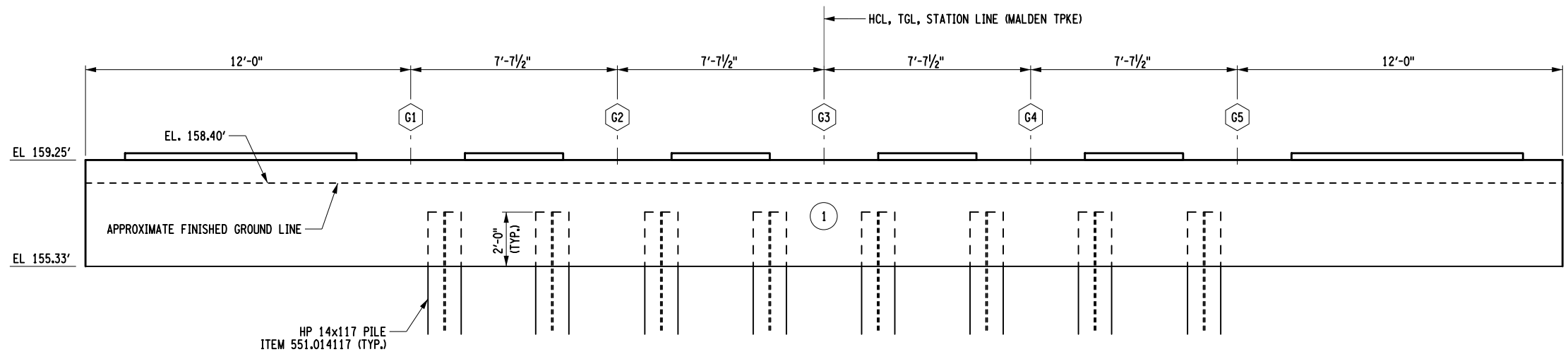
TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING PIER MISCELLANEOUS DETAILS	DRAWING NUMBER: ST-18



BEARING STA. M30+33.13
AZ 96°44'08"
HCL, TGL, STATION LINE (MALDEN TPKE)

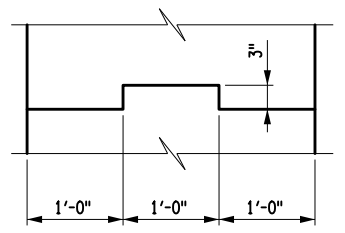


END ABUTMENT PLAN AND PILE LAYOUT



END ABUTMENT ELEVATION A-A

CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
①	23.7 CY	555.0021



NOTE:
REINFORCEMENT NOT SHOWN FOR CLARITY. KEYWAY TO STOP 1'-0" FROM SUPPORT PLATE OR CONSTRUCTION JOINT.

KEYWAY DETAIL
NOT TO SCALE

PILE TABLE		
PLACEMENT	SECTION	LENGTH BELOW CUT-OFF
1	HP 14x117	
2	HP 14x117	
3	HP 14x117	
4	HP 14x117	
5	HP 14x117	
6	HP 14x117	
7	HP 14x117	
8	HP 14x117	

SETTLEMENT MITIGATION

AS NOTED IN SECTION 3.3 OF THE FOUNDATION DESIGN REPORT COMPLETED BY K.C. ENGINEERING AND LAND SURVEYING, P.C. DATED SEPT. 2025, THIS PROJECT REQUIRES UNDERCUTTING OF EXISTING SOILS AND USE OF LIGHTWEIGHT FILL TO CREATE A NET ZERO INCREASE IN EMBANKMENT LOADING AROUND THE ABUTMENTS AND HIGHWAY APPROACHES TO ELIMINATE SETTLEMENT AND DOWN DRAG LOADING IN THE PILES.

INTEGRAL ABUTMENT FOUNDATION NOTES

- PILE NOTES:
1. THE END ABUT PILES ARE DESIGNED TO SUPPORT A MAX. STRENGTH LIMIT STATE AXIAL LOAD OF 176 KIPS. ALL PILES SHALL BE DRIVEN TO ENSURE THE PILE TIP IS BEARING ON SOUND ROCK. THESE PILES HAVE AN ESTIMATED LENGTH OF 129 FEET. THE NOMINAL INSTALLED RESISTANCE OF THESE PILES SHALL BE A MIN. OF 370 KIPS IN END BEARING.
 2. THE MAXIMUM SERVICE LIMIT STATE AXIAL LOAD FOR THE PILES AT THE END ABUT. IS 125 KIPS PER PILE. THE CONTRACTOR SHALL SUBMIT TO THE NYSTA GEOTECHNICAL ENGINEER FOR APPROVAL, FORM BD 138 PILE DRIVING EQUIPMENT DATA, A MINIMUM OF 21 CALENDAR DAYS PRIOR TO DRIVING.
 3. SEE DWG. ST-9 NOTES 3 - 8 FOR ADDITIONAL INFORMATION.

NOTES:

- ⓐ - INDICATES GIRDER NUMBER.
 - Ⓝ - INDICATES CONCRETE POUR NUMBER.
 - ⓑ - INDICATES LOCATION OF DYNAMIC PILE TEST.
1. FOR REINFORCEMENT DETAILS, SEE DWGS. ST-20, ST-22 & ST-23.
 2. FOR H-PILE SPLICE DETAILS, SEE DWG. ST-41.
 3. 1" CHAMFERS ON ALL EXPOSED EDGES (U.N.O.), FOR "CHAMFER DETAIL", SEE DWG. ST-41.
 4. FOR WATERSTOP DETAILS, SEE DWG. ST-41.
 5. FOR TEMPORARY STEEL GIRDER SUPPORT DETAILS, SEE DWG. ST-29.
 6. FOR INTEGRAL ABUTMENT CONSTRUCTION PROCEDURE, SEE DWG. ST-23
 7. AFTER COMPLETION OF THE PILE INSTALLATION, THE ENGINEER WILL COMPLETE THE "ACTUAL PILE LENGTH" TABLE FOR INCLUSION IN THE AS-BUILT PLANS.
 8. FOR PILE TIP DETAILS, SEE DWG. ST-41.

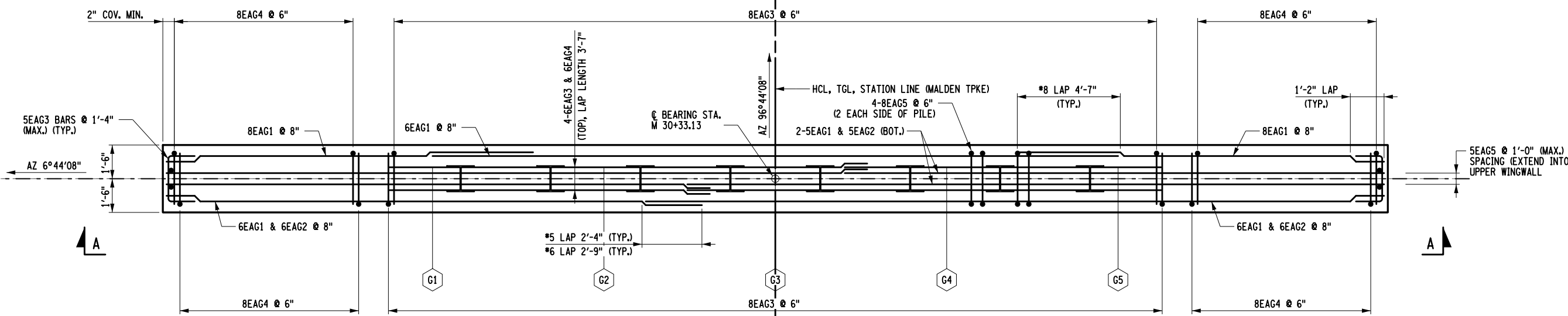
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ALTERED ON:	AFFIXED ON: 10/09/2025
SIGNATURE: STAMP:	SIGNATURE: RYAN DOUGLAS HENDERSON STAMP:

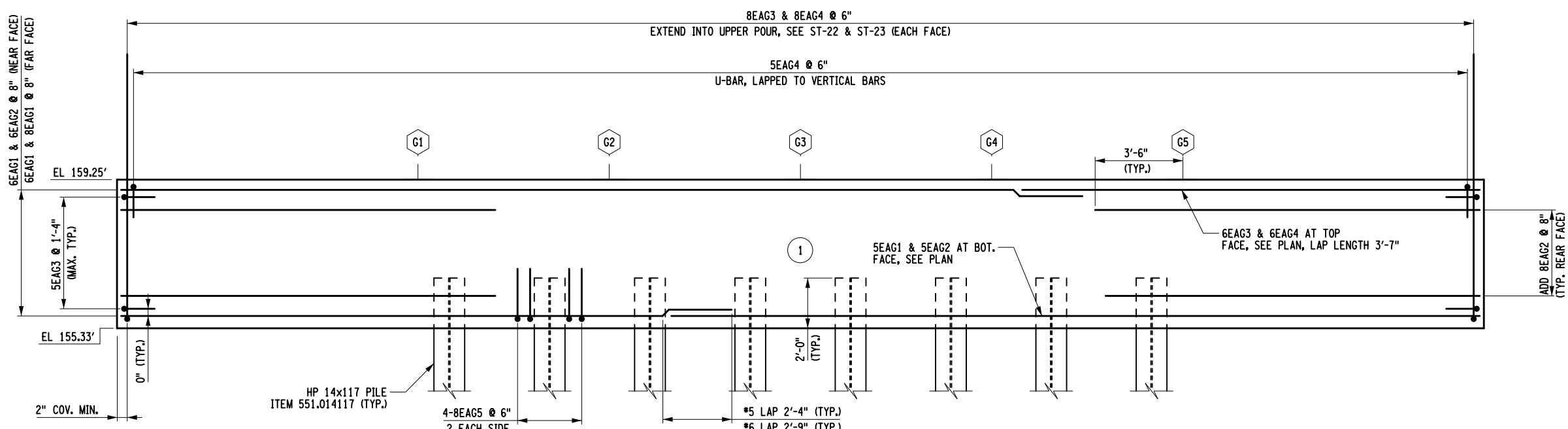
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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 MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
	TITLE OF DRAWING END ABUTMENT LOWER POUR PLAN AND ELEVATION	DRAWING NUMBER: ST-19



END ABUTMENT - LOWER POUR REINFORCEMENT PLAN
NOT TO SCALE



END ABUTMENT - REINFORCEMENT ELEVATION A-A
NOT TO SCALE

- NOTES:**
- G - INDICATES GIRDER NUMBER.
 - NO - INDICATES CONCRETE POUR NUMBER.
 - I - INDICATES PILE LOCATION.
 - 1. (G) DENOTES GALVANIZED BARS, ITEM 556.0203.
 - 2. COVER FOR STEEL REINFORCEMENT SHALL BE 2" UNLESS OTHERWISE NOTED.
 - 3. FOR END ABUTMENT GEOMETRY, SEE DWG ST-19.
 - 4. ALL LAP LOCATIONS SHALL BE ALTERNATING.

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 DATE/TIME = 09-OCT-2025 19:57
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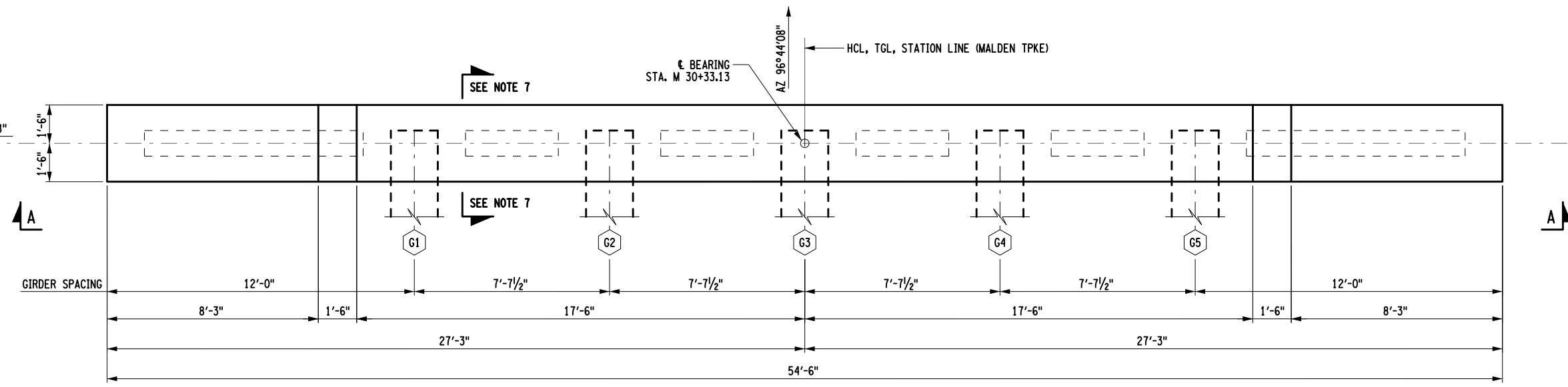
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

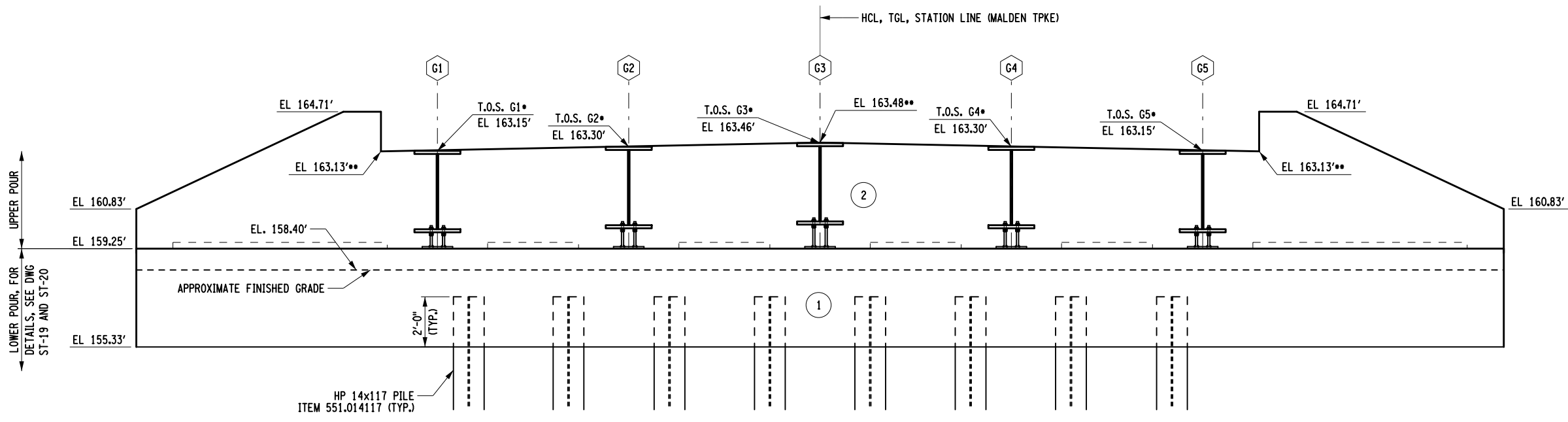
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
TITLE OF DRAWING END ABUTMENT LOWER POUR REINFORCEMENT SECTIONS	DRAWING NUMBER: ST-20



END ABUTMENT UPPER POUR PLAN



END ABUTMENT ELEVATION A-A

- NOTES:
- G1 - INDICATES GIRDER NUMBER.
 - NO - INDICATES CONCRETE POUR NUMBER.
 - * - INDICATES ELEVATION IS GIVEN AT THE ϕ BEARING.
 - ** - INDICATED ELEVATION IS GIVEN AT FRONT FACE OF ABUTMENT, TOP OF UPPER POUR UNDER SUPERSTRUCTURE DECK TO FOLLOW PROFILE OF ROADWAY.
 - 1. FOR REINFORCEMENT DETAILS, SEE DWGS. ST-22 & ST-23.
 - 2. FOR H-PILE SPLICE DETAILS, SEE DWG. ST-41.
 - 3. 1" CHAMFERS ON ALL EXPOSED EDGES (U.N.O.), FOR "CHAMFER DETAIL", SEE DWG. ST-41.
 - 4. FOR WATERSTOP DETAILS, SEE DWG. ST-41.
 - 5. FOR TEMPORARY STEEL GIRDER SUPPORT DETAILS, SEE DWG. ST-29.
 - 6. FOR INTEGRAL ABUTMENT CONSTRUCTION PROCEDURE, SEE DWG. ST-23.
 - 7. FOR INTEGRAL ABUTMENT SECTION, SEE DWG. ST-23.

CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
②	24.0 CY	555.0021

ALTERED ON:	AFFIXED ON: 10/09/2025
SIGNATURE: STAMP:	SIGNATURE: RYAN DOUGLAS HENDERSON 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.

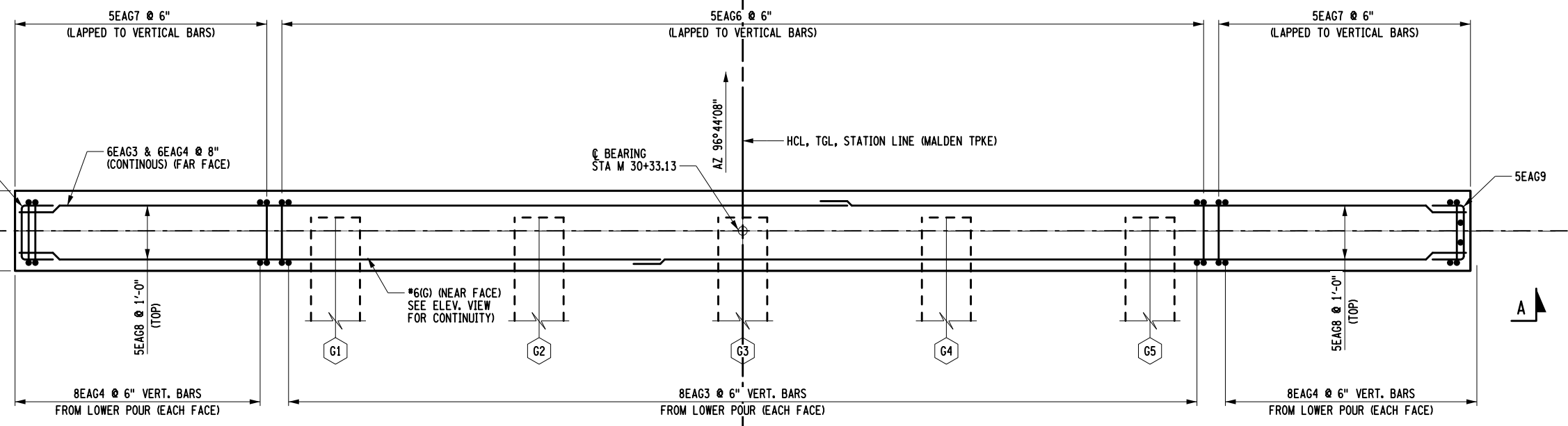
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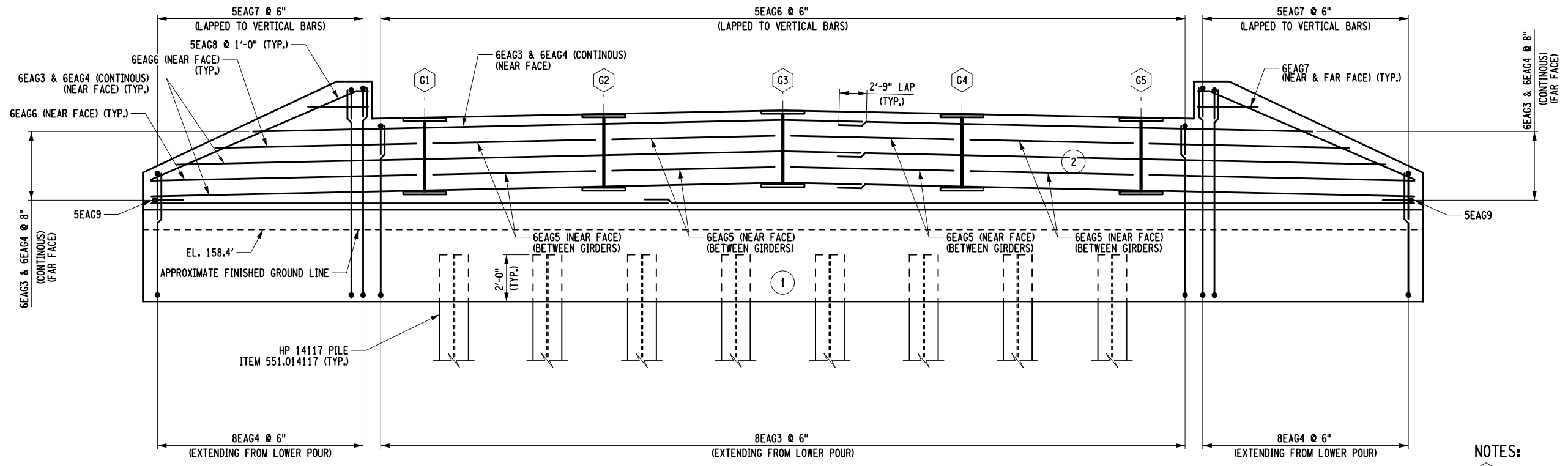
TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
TITLE OF DRAWING END ABUTMENT UPPER POUR PLAN AND ELEVATION	DRAWING NUMBER: ST-21

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 DATE/TIME = 09-OCT-2025 19:57
 DESIGN SUPERVISOR

CHECK
 DRAFTING



END ABUTMENT - UPPER POUR REINFORCEMENT PLAN
NOT TO SCALE



END ABUTMENT - REINFORCEMENT ELEVATION A-A
NOT TO SCALE

- NOTES:**
- (G) - INDICATES GIRDER NUMBER.
 - (NO) - INDICATES CONCRETE POUR NUMBER.
 - 1. (G) DENOTES GALVANIZED BARS, ITEM 556.0203.
 - 2. COVER FOR STEEL REINFORCEMENT SHALL BE 2" UNLESS OTHERWISE NOTED.
 - 3. FOR END ABUTMENT GEOMETRY, SEE DWG ST-21.

ALTERED ON:	AFFIXED ON: 10/09/2025
SIGNATURE: STAMP:	SIGNATURE: RYAN DOUGLAS HENDERSON 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 MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
TITLE OF DRAWING END ABUTMENT UPPER POUR REINFORCEMENT SECTIONS	DRAWING NUMBER: ST-22

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 DESIGN SUPERVISOR

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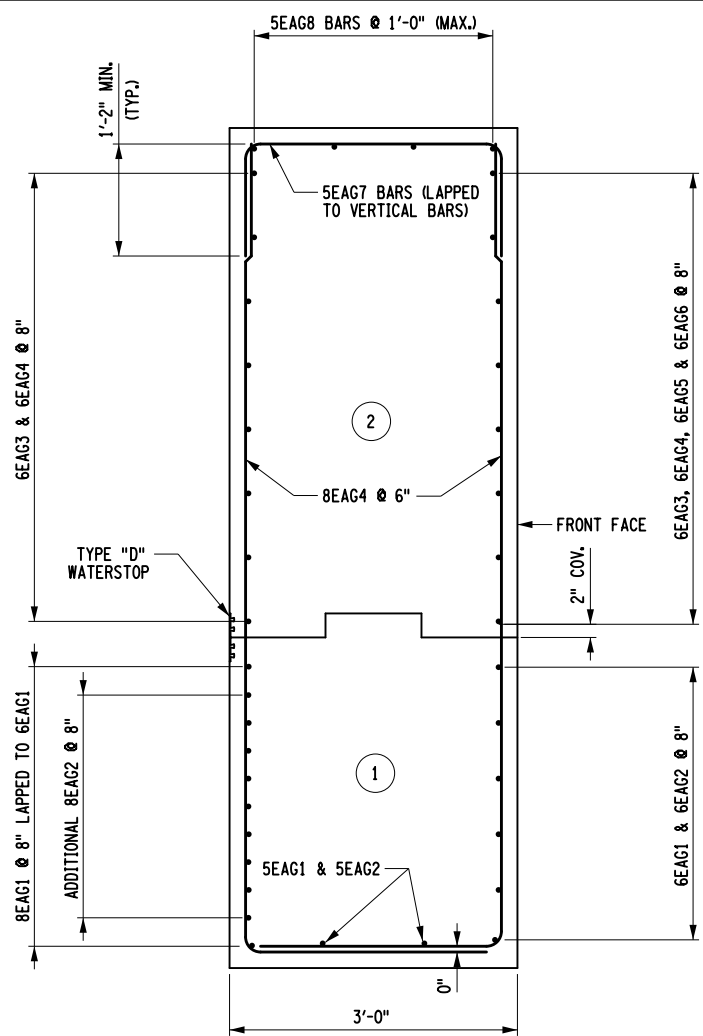
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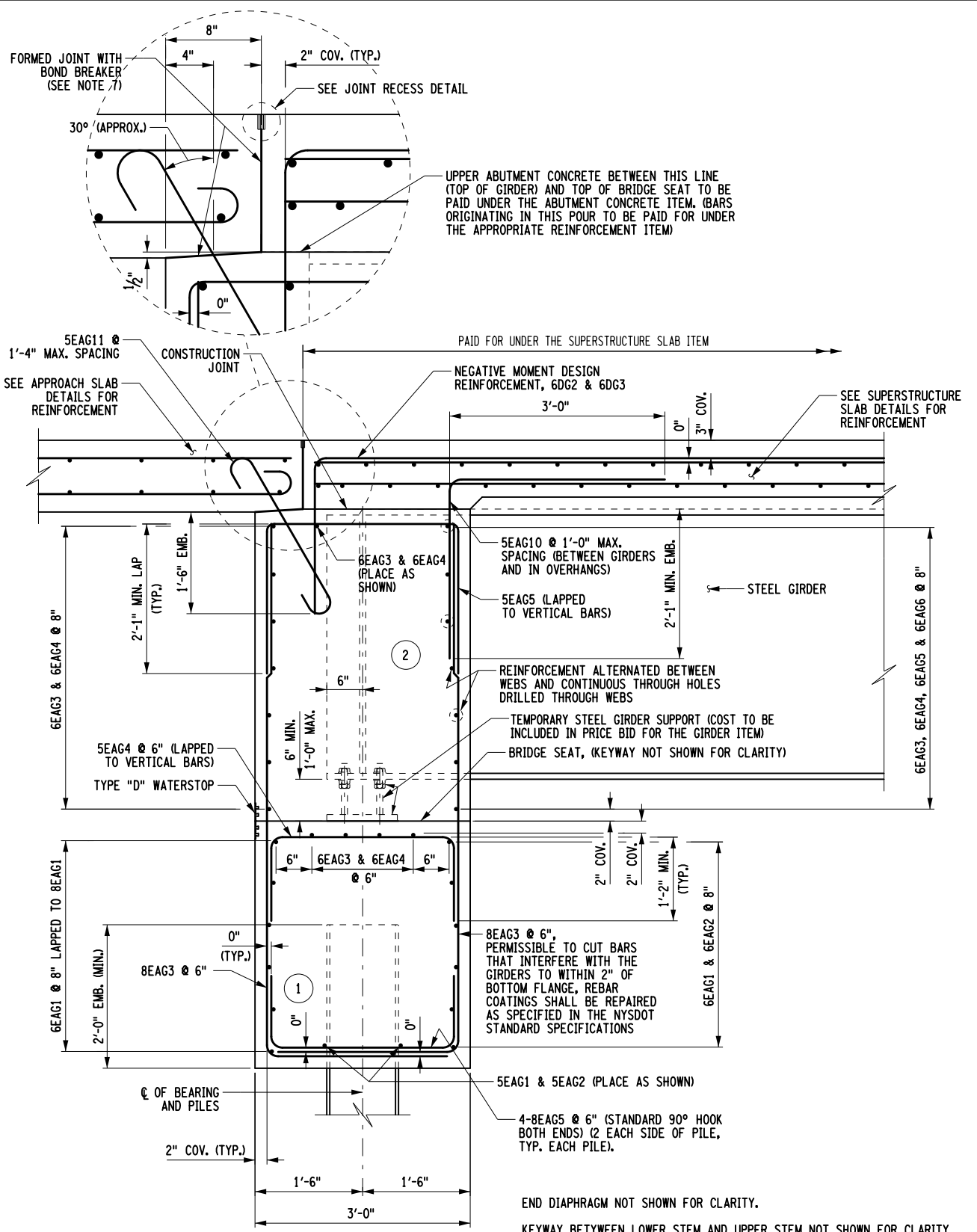
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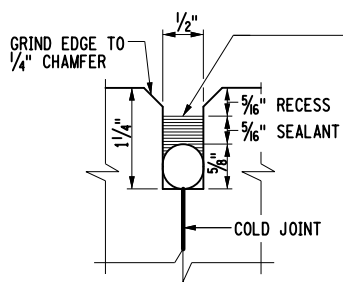
DESIGN SUPERVISOR



INTEGRAL ABUTMENT WINGWALL SECTION



INTEGRAL ABUTMENT DETAIL
NOT TO SCALE



JOINT RECESS DETAIL
NOT TO SCALE

FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL, SILICONE SEALANT, FROM THE DEPARTMENT'S APPROVED LIST FOR ITEM 567.51--16. IF THE RECESS IS SAW CUT, WATER BLAST IMMEDIATELY FOLLOWING 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 SEALANT TO A DEPTH OF APPROX. 5/8". PAYMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB.

ALTERED ON:	AFFIXED ON: 10/09/2025
SIGNATURE: STAMP:	SIGNATURE: RYAN DOUGLAS HENDERSON STAMP:

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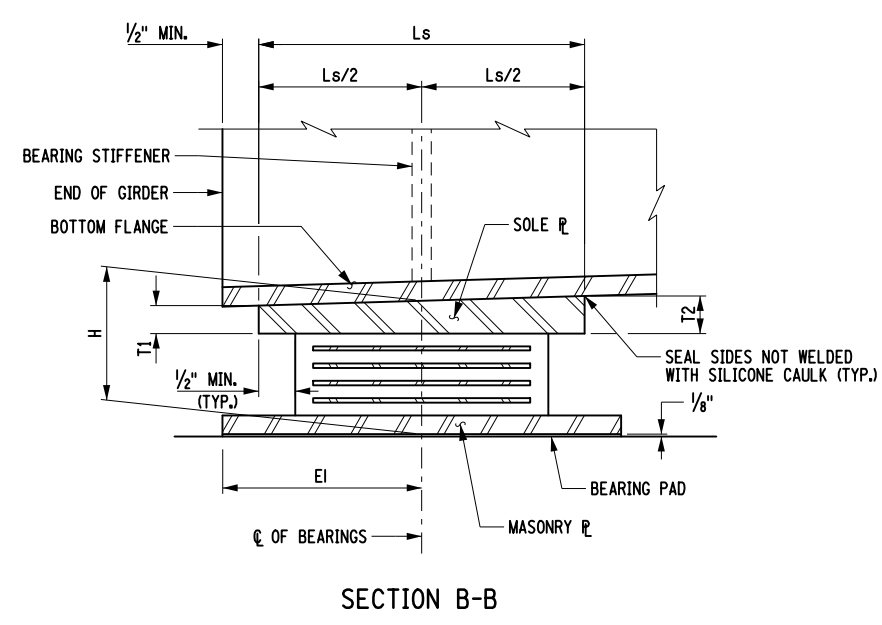
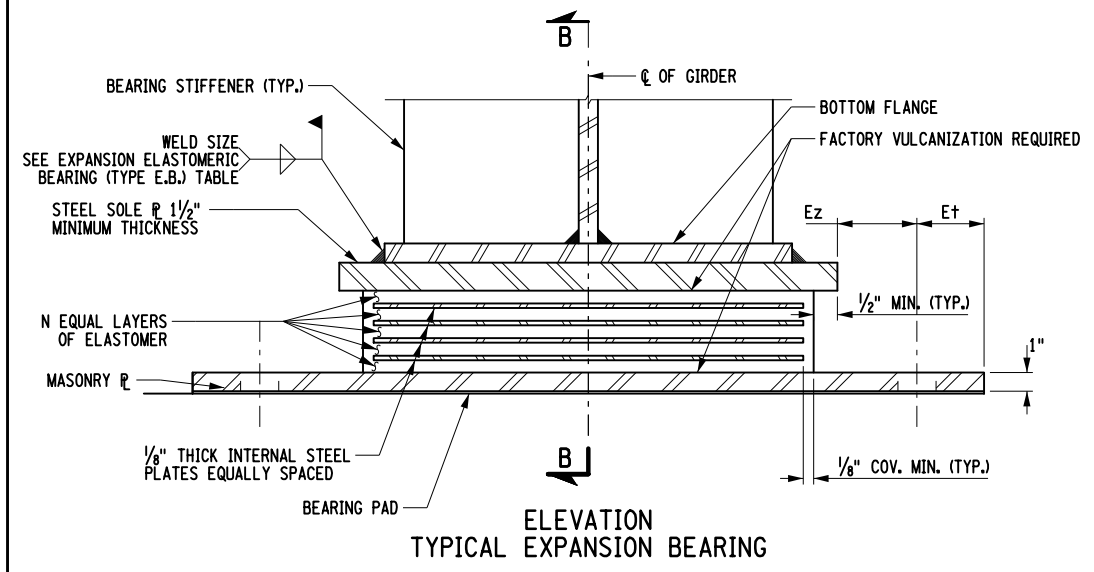
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DATE	DESCRIPTION	BY	SYM.



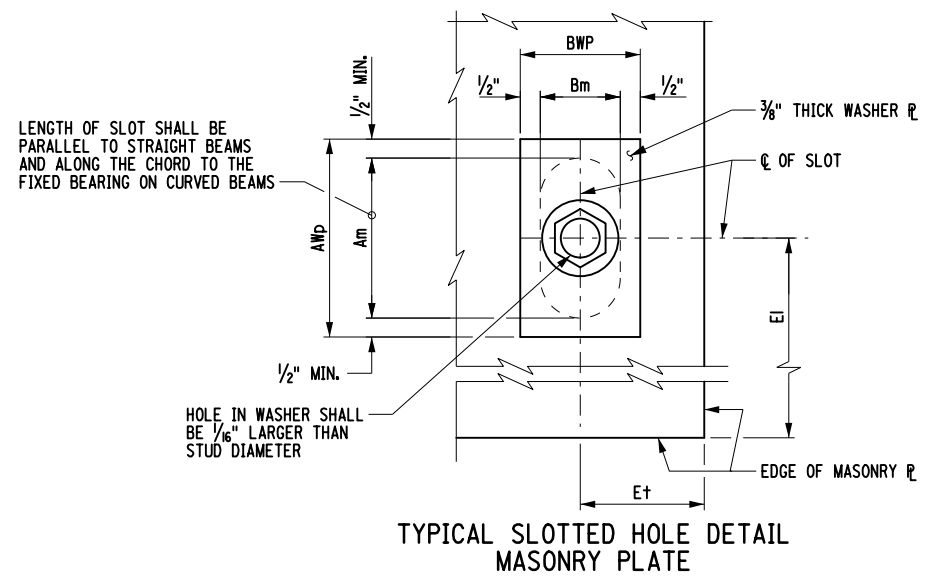
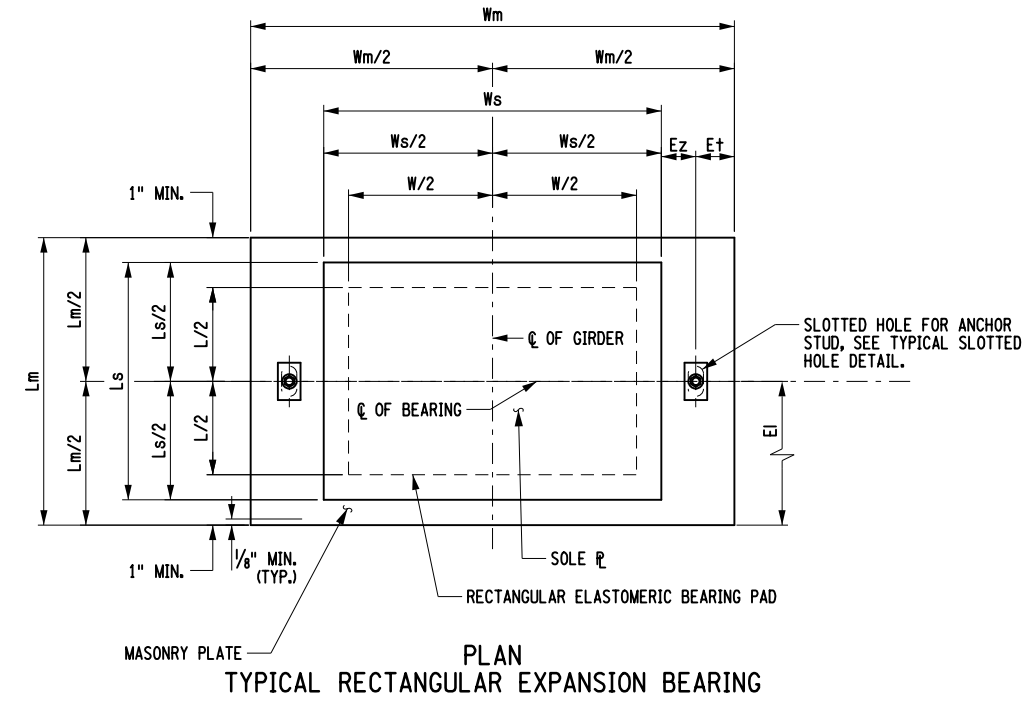
TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
TITLE OF DRAWING END ABUTMENT SECTION AND DETAILS	DRAWING NUMBER: ST-23

NOTES:
1. SEE DWG. ST-13 FOR ALL NOTES AND APPLICABLE CONSTRUCTION PROCEDURES.

PW/1
 CHECKED BY: A.REGUNTA
 DRAFTED BY: J.BOLGER
 CHECKED BY: A.REGUNTA
 DESIGNED BY: J.BOLGER
 DESIGN SUPERVISOR: R.SHARMA



- NOTES:**
1. THE BEARINGS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 565 UNLESS OTHERWISE NOTED.
 2. ALL ELASTOMER SHALL BE 50 DUROMETER HARDNESS ON THE SHORE A SCALE.
 3. ALL STEEL EXCEPT THE INTERNAL STEEL PLATES SHALL CONFORM TO ASTM A709, GR. 50, UNLESS OTHERWISE NOTED.
 4. BEARING PADS SHALL CONFORM TO ONE OF THE FOLLOWING MATERIAL SPECIFICATIONS: 728-01, 728-02 OR 728-03.
 5. INSTALLATION ALIGNMENT: THE MAXIMUM VARIATION FROM PERFECT ALIGNMENT UNDER FULL DEAD LOAD SHALL NOT EXCEED 3/16". THIS VARIATION SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CENTERLINE OF THE HIGHEST ELASTOMER SURFACE AND THE CENTERLINE OF THE LOWEST ELASTOMER SURFACE.
 6. CONCRETE SURFACES UNDER THE BEARINGS SHALL CONFORM TO SUBSECTION 565-3.02 "CONCRETE BEARING SURFACE PREPARATION" OF THE NEW YORK STATE STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS.
 7. THE BEARING PAD, ANCHOR STUDS WASHER PLATES AND NUTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARING ITEM.
 8. IF THE ANCHOR STUDS ARE SET UNDER THE SOLE PLATE, A MINIMUM CLEARANCE EQUAL TO TWO TIMES THE THICKNESS OF ANCHOR NUT PLUS 1" SHALL BE MAINTAINED BETWEEN THE TOP OF MASONRY PLATE AND BOTTOM OF SOLE PLATE.
 9. T2 IS UPSTATION OF T1.
 10. TABLE DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
 11. LOADS SHOWN IN THIS TABLE ARE UNFACTORED.
 12. FOR ANCHOR STUD LAYOUT DETAILS, SEE DWG. ST-25.



EXPANSION ELASTOMERIC BEARING (TYPE E.B.) TABLE																															
LOCATION	ITEM NO.	QUANTITY REQUIRED	D.L. + S.D.L (kips)	L.L. WITHOUT IMPACT (kips)	TOTAL DESIGN REACTION (kips)	SHAPE FACTOR	ELASTOMER LAYER					HR†	COMP. AREA (SQ. In.)	SHEAR AREA (SQ. In.)	MASONRY PLATE						ANCHOR STUDS		WELD SIZE	WASHER PLATE		SOLE PLATE				BRG. H	
							THK/LAYE R	NO. LAYERS	L	W	D				Wm	Lm	Tm	E+	EI	Ez	Am	Bm		DIA.	STUDS/BR G.	AWp	BWp	Ws	Ls		T1
PIER 1	565.2035	5	258	154	412	10.29	0.5	7	18	24	3.5	422	432	31	20	1	2	10	1.5	2.5	1.375	1	2	3/8	3.5	2.375	27	19	1.5	1.5	6.75

ALTERED ON: 09/23/2025

SIGNATURE: [Signature]

STATE OF NEW YORK
 RAM CHANDRA SHARMA
 LICENSED PROFESSIONAL ENGINEER
 095980

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

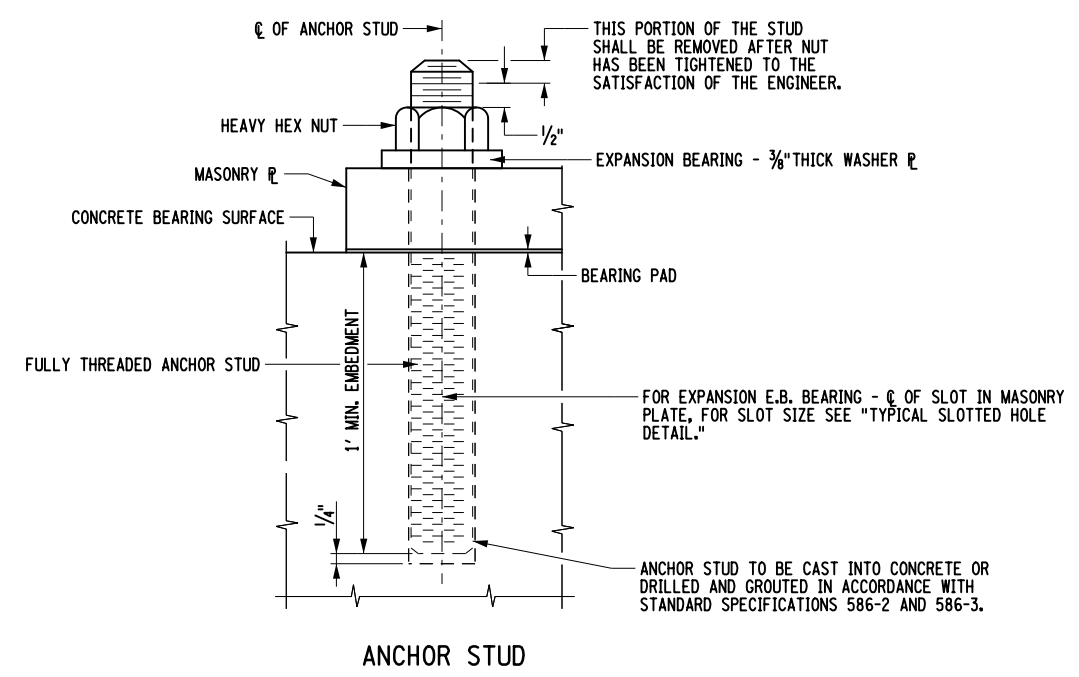
Engineering and Land Surveying, P.C.

TITLE OF PROJECT: REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87
 LOCATION OF PROJECT: ALBANY DIVISION MP 103.16
 TITLE OF DRAWING: BEARING DETAILS (1 OF 2)

CONTRACT NUMBER: TAA-25-27B
 DATE: 09/17/2025
 DRAWING NUMBER: ST-24


NOTES:

- ANCHOR STUDS, WASHERS, WASHER PLATES, ANCHOR PLATES, AND NUTS SHALL MEET THE REQUIREMENTS OF SUBSECTION 723-60. THEY SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF MATERIAL SUBSECTION 719-01, "GALVANIZED COATINGS AND REPAIR METHODS." THE COST, INCLUDING GALVANIZING, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARING ITEM.
- SLOTTED HOLES SHALL BE ORIENTED PARALLEL TO THE ASSUMED DIRECTION OF MOVEMENT.



ANCHOR STUD

PW:/
 CHECKED BY: A.REGUNTA
 DRAFTED BY: J.BOLGER
 CHECKED BY: A.REGUNTA
 DESIGNED BY: J.BOLGER
 DESIGN SUPERVISOR: R.SHARMA

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 09/23/2025 SIGNATURE: 
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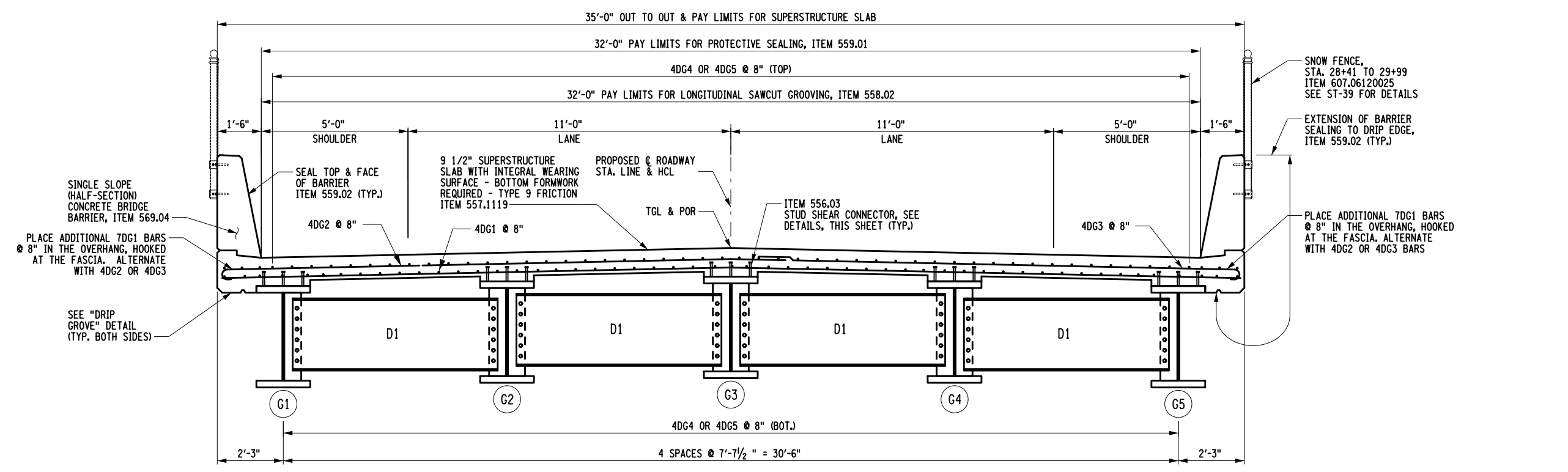
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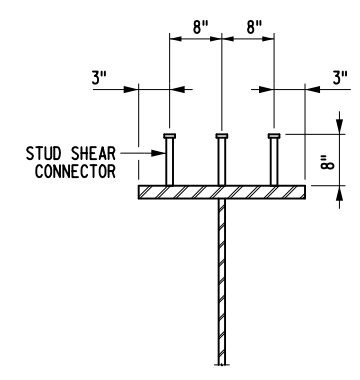
Thruway Authority

Engineering and Land Surveying, P.C.

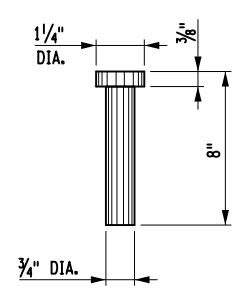
TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING BEARING DETAILS (2 OF 2)	DRAWING NUMBER: ST-25



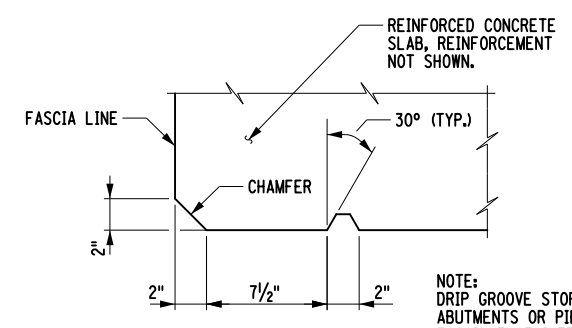
TRANVERSE BRIDGE SECTION
 SCALE: 1" = 4'



STUD SHEAR CONNECTOR DETAIL

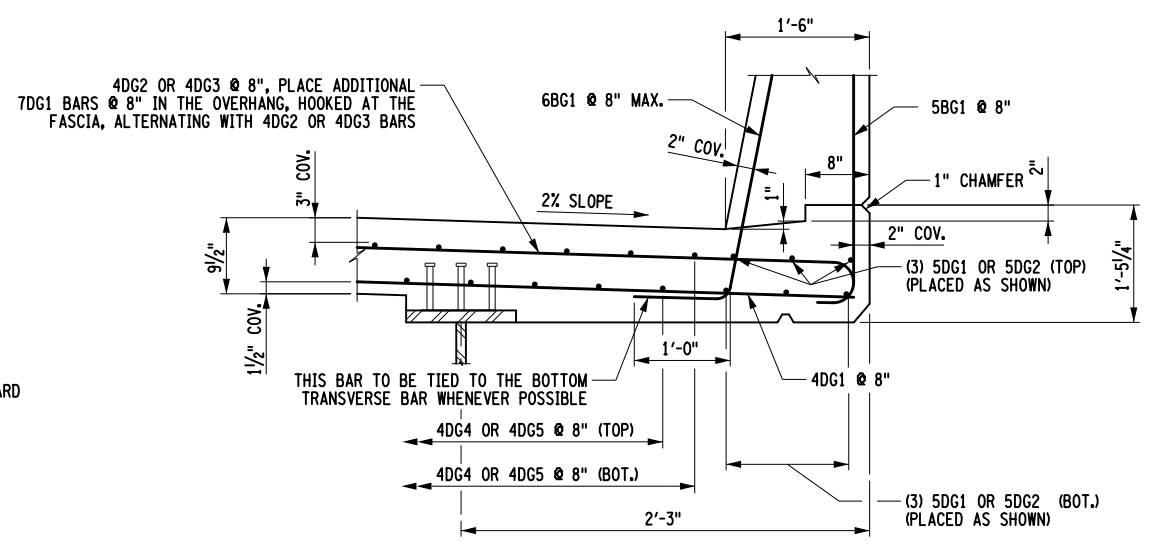


STUD DETAIL



DRIP GROOVE DETAIL
 NOT TO SCALE


NOTE: DRIP GROOVE STOPS 3'-0" FROM FACES OF ABUTMENTS OR PIERS WITH A 90° TURN TOWARD FASCIA THAT INTERSECTS THE CHAMFER



FASCIA DETAIL
 NOT TO SCALE



- NOTES:
 1. (G) DENOTES GALVANIZED BARS.
 2. FOR SUPERSTRUCTURE SLAB REINFORCEMENT PLAN, SEE ST-33.

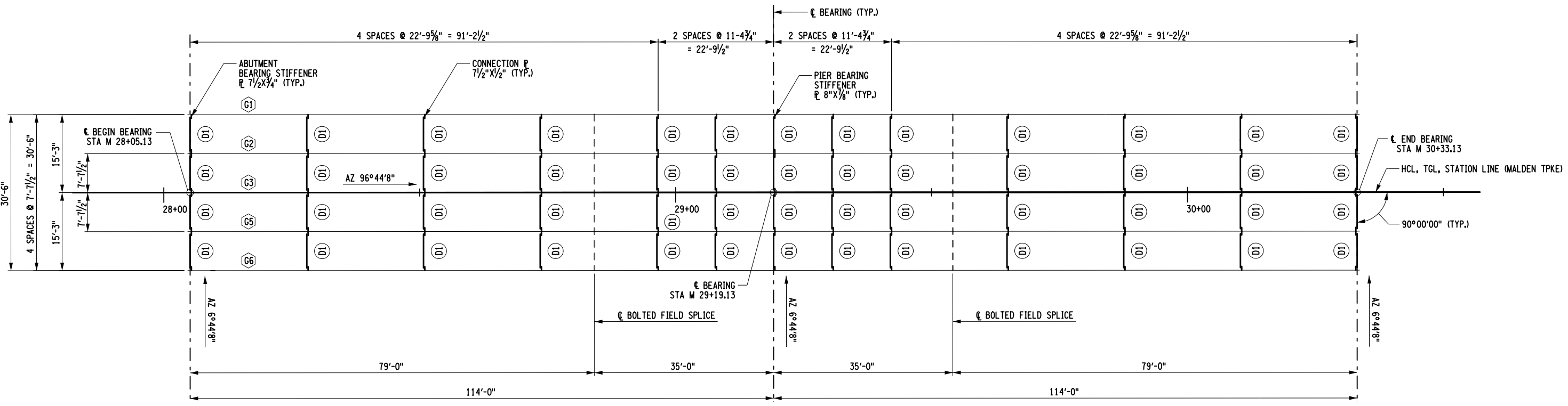
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ALTERED ON:	AFFIXED ON: 09/25/2025
SIGNATURE: STAMP:	SIGNATURE: RYAN DOUGLAS HENDERSON STAMP: 

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 MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING TRANVERSE BRIDGE SECTION		DRAWING NUMBER: ST-26



FRAMING PLAN
NOT TO SCALE


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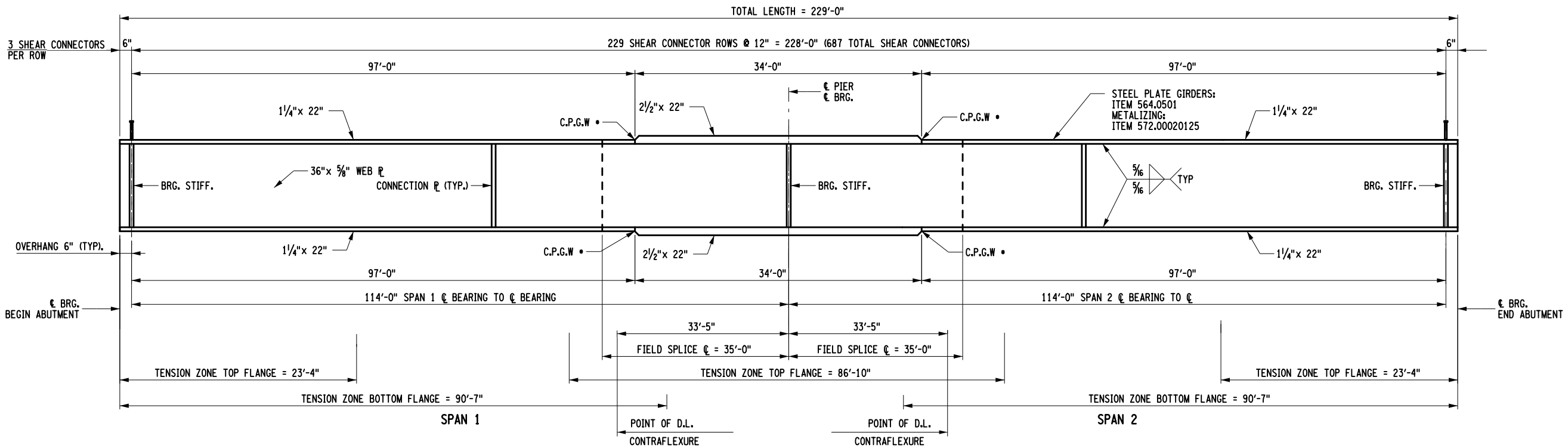
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

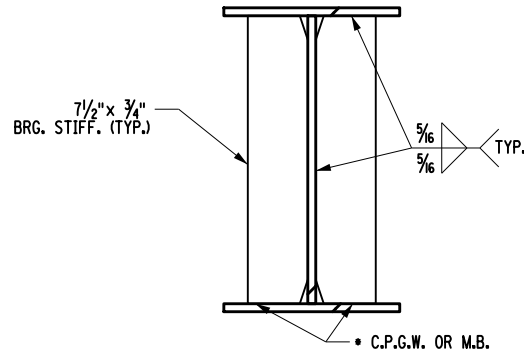



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING FRAMING PLAN	DRAWING NUMBER: ST-27

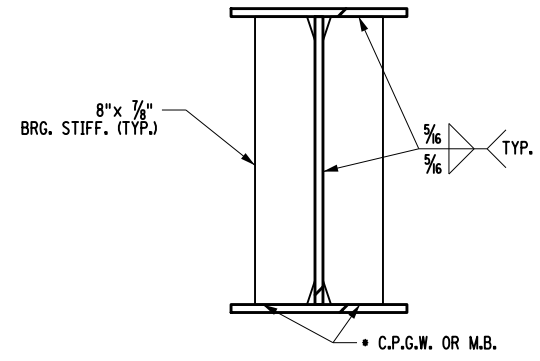


TYPICAL GIRDER ELEVATION
NOT TO SCALE

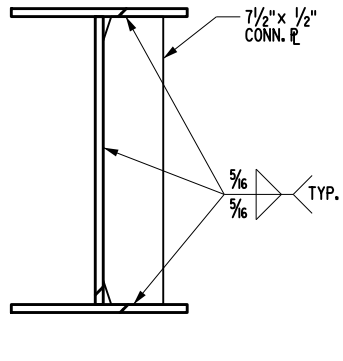
- NOTES:
1. C.P.G.W. = COMPLETE PENETRATION GROOVE WELD
 2. FOR FRAMING PLAN SEE DRAWING ST-27.
 3. UNLESS SHOWN IN DETAILS, THERE SHALL BE NO WELDING WITHIN THE TENSION ZONES. THE ATTACHMENT OF THE FORMING DEVICES OR OTHER CONSTRUCTION AIDS BY WELDING WITHIN THE TENSION AREA SHOWN IS PROHIBITED.
 4. THERE SHALL BE NO WELDING TO METALIZED GIRDERS FOR THE ATTACHMENT OF FORMING DEVICES
 5. THE ENDS OF ALL GIRDERS AND THE BEARING STIFFENERS SHALL BE VERTICAL UNDER FULL DEAD LOAD. ALL CONNECTION PLATES AND INTERMEDIATE STIFFENERS MAY BE PERPENDICULAR TO THE TOP FLANGES.
 6. 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 SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.



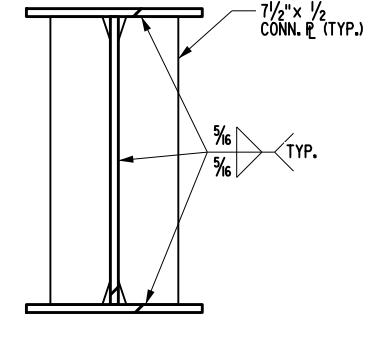
BEARING STIFFENER
AT ABUTMENT
NOT TO SCALE



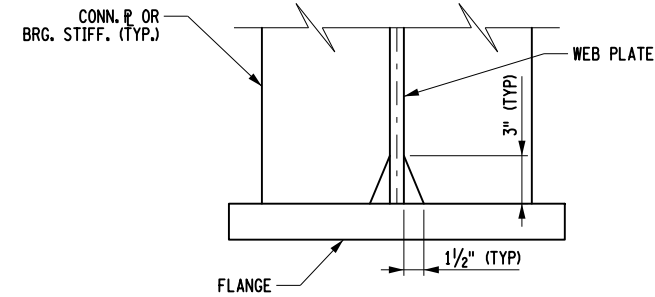
BEARING STIFFENER
AT PIER
NOT TO SCALE



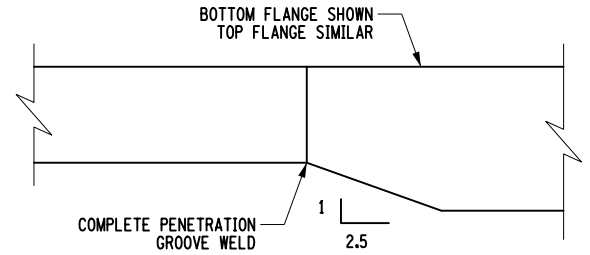
FASCIA GIRDER
CONNECTION
NOT TO SCALE



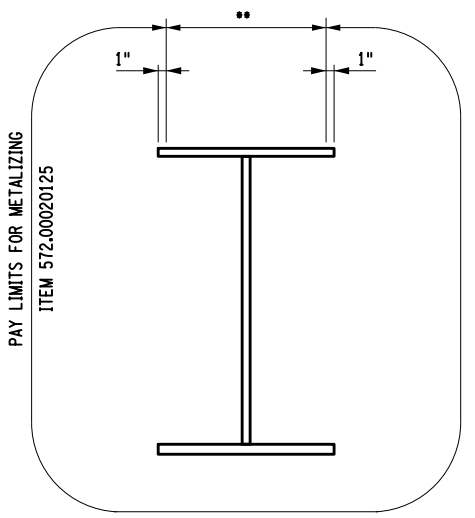
INTERIOR GIRDER
CONNECTION
NOT TO SCALE



SNIPE DETAIL
NOT TO SCALE



FLANGE THICKNESS TAPER
NOT TO SCALE



METALIZING LIMITS
NOT TO SCALE

** COAT THIS AREA WITH AN ORGANIC ZINC PRIMER CONFORMING TO NYSDOT MATERIAL SPECIFICATION 708-01 OR 708-02. PRIME COAT SHALL BE APPLIED AT A THICKNESS BETWEEN 0.5 AND 1.5 MILS. COST TO BE INCLUDED IN THE PRICE BID FOR THE PAINTING/METALIZING ITEM.

- C.P.G.W. DENOTES COMPLETE PENETRATION GROOVE WELD
- M.B. DENOTES MILL TO BEAR

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SIGNATURE: STAMP:	SIGNATURE: RYAN DOUGLAS HENDERSON STAMP:

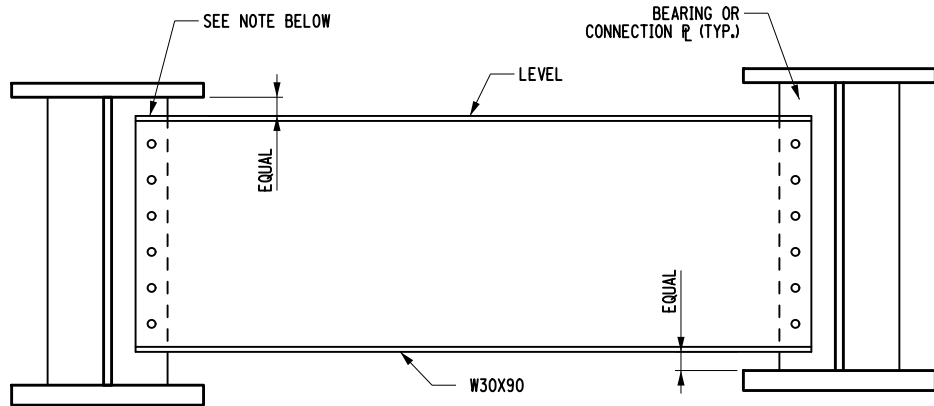
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



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LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING GIRDER DETAILS	DRAWING NUMBER: ST-28

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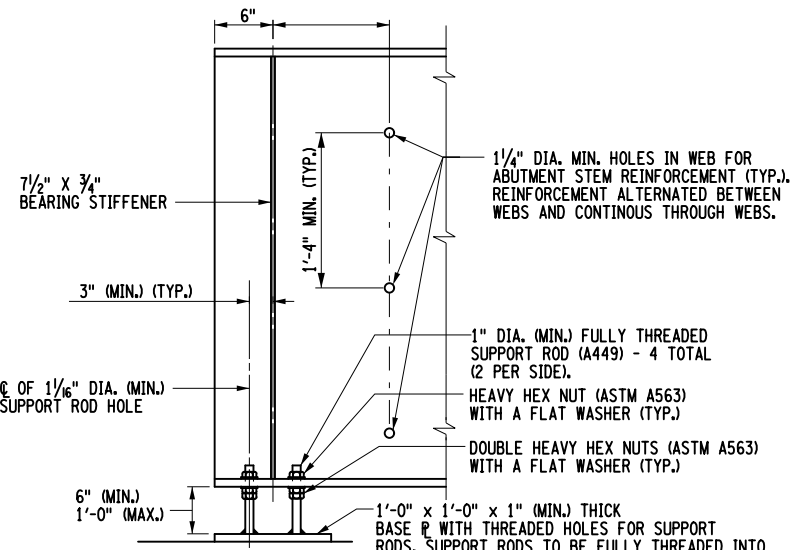


DIAPHRAGM - TYPE 1

SCALE: 1/2" = 1'-0"
(FULL DEPTH)

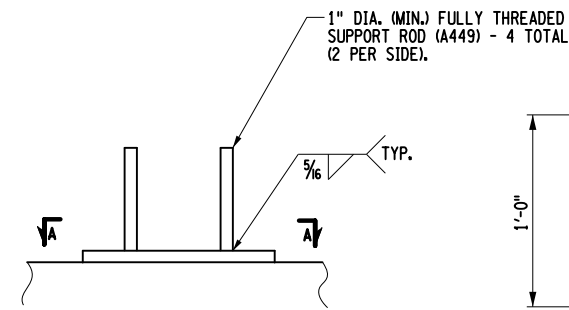
NOTE

DIAPHRAGM MEMBERS SHALL BE BLOCKED AS SHOWN, WITH THEIR FLANGE CUT BACK ON ONE SIDE, AND CHIPPED OR GROUND FLUSH. IN LIEU OF BLOCKING THE DIAPHRAGM MEMBER, THE FABRICATOR SHALL HAVE THE OPTION OF COPING THE FLANGE.

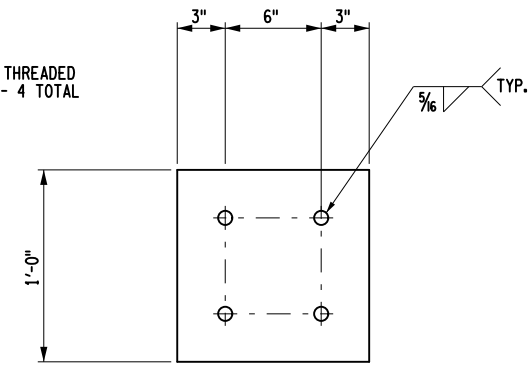


TYPICAL GIRDER ELEVATION
NOT TO SCALE

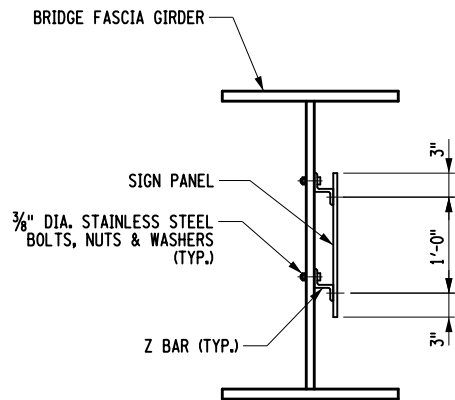
NOTE:
PROVIDE OVERSIZE HOLES IN THE BOTTOM FLANGE FOR SUPPORT RODS.



BASE PLATE DETAIL
NOT TO SCALE

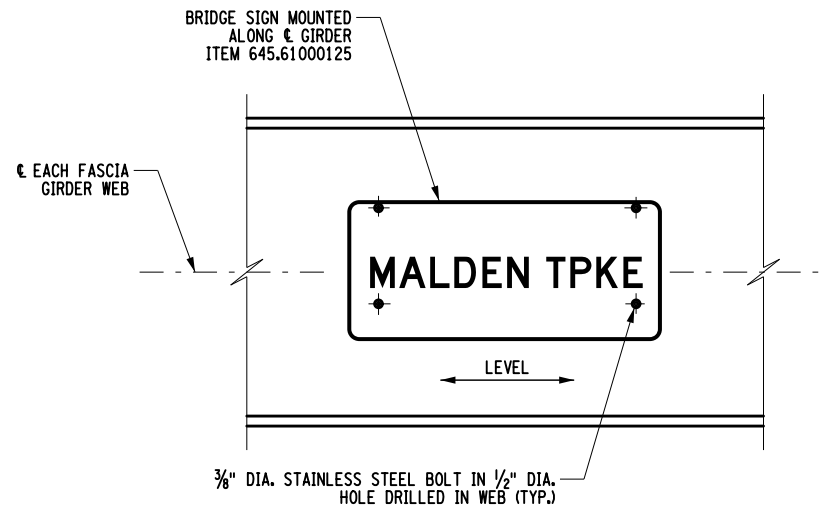


SECTION A-A



MOUNTING DETAIL ON
BRIDGE FASCIA GIRDER

SCALE: 1/2" = 1'-0"




BRIDGE IDENTIFICATION
SIGN MOUNTING DETAIL

SCALE: 1/2" = 1'-0"

NOTES:

1. CONNECTIONS SHALL BE MADE ACCORDING TO THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
2. ANGLES, GUSSET PLATES, AND FILL PLATES SHALL BE GALVANIZED IN ACCORDANCE WITH METALIZING ITEM, COST INCLUDED IN METALIZING ITEM.
3. UNLESS OTHERWISE INDICATED, BOLTED CONNECTIONS SHALL BE MADE WITH 3/8" DIA. ASTM F3125, GRADE A325 BOLTS, TYPE 1, WITH 563, GRADE DH NUTS (HOT DIPPED GALVANIZED) AND ASTM F436, TYPE 1 WASHERS.
4. ALL BOLT HEADS SHALL BE PLACED ON THE TOP SIDE OF CONNECTIONS UNLESS OTHERWISE NOTED.

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SIGNATURE: STAMP:	SIGNATURE: RYAN DOUGLAS HENDERSON STAMP: 

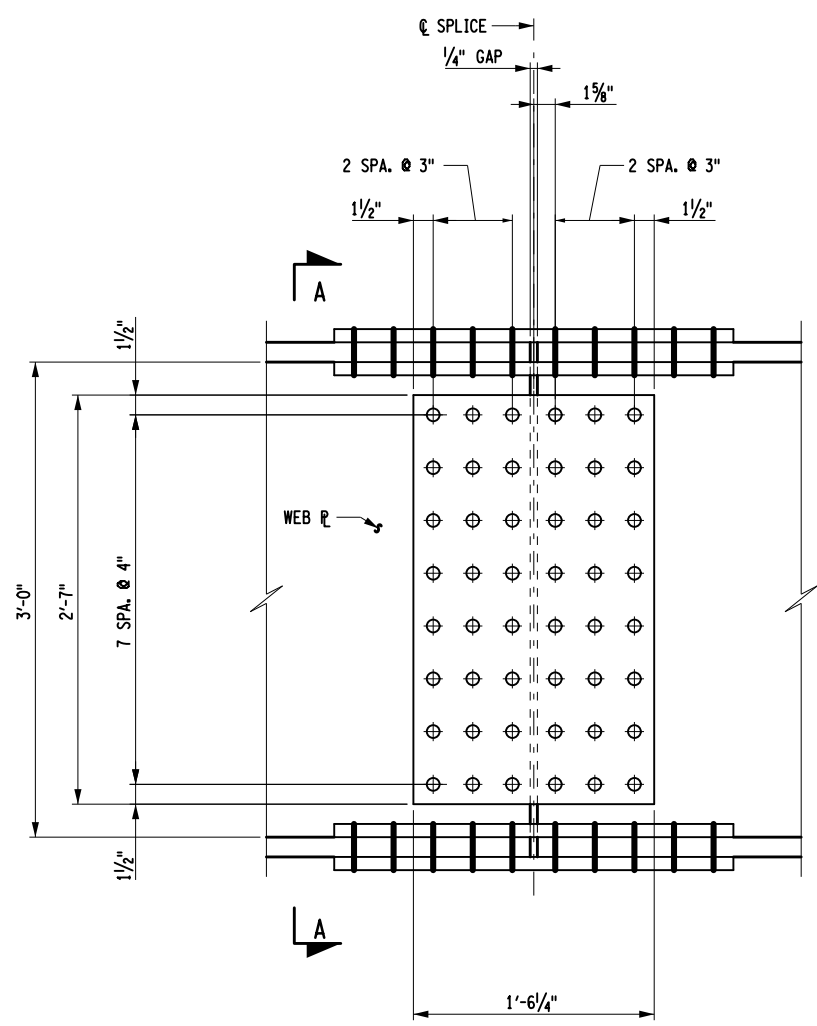
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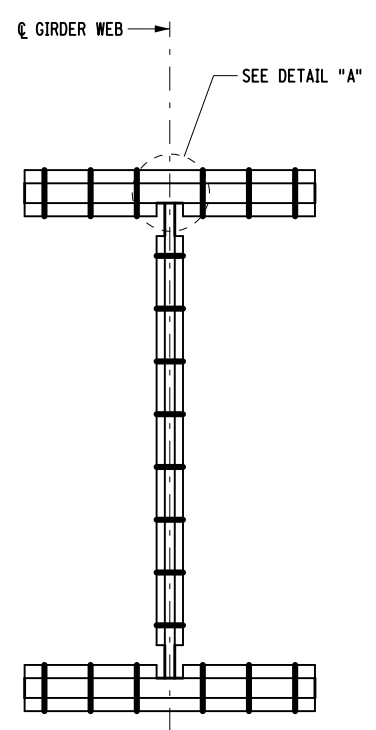


TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING STEEL DETAILS	DRAWING NUMBER: ST-29

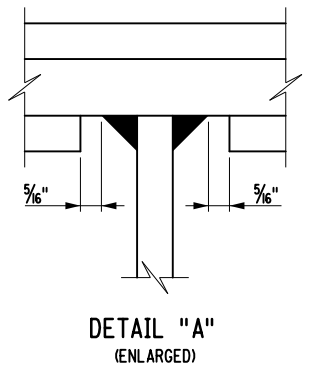
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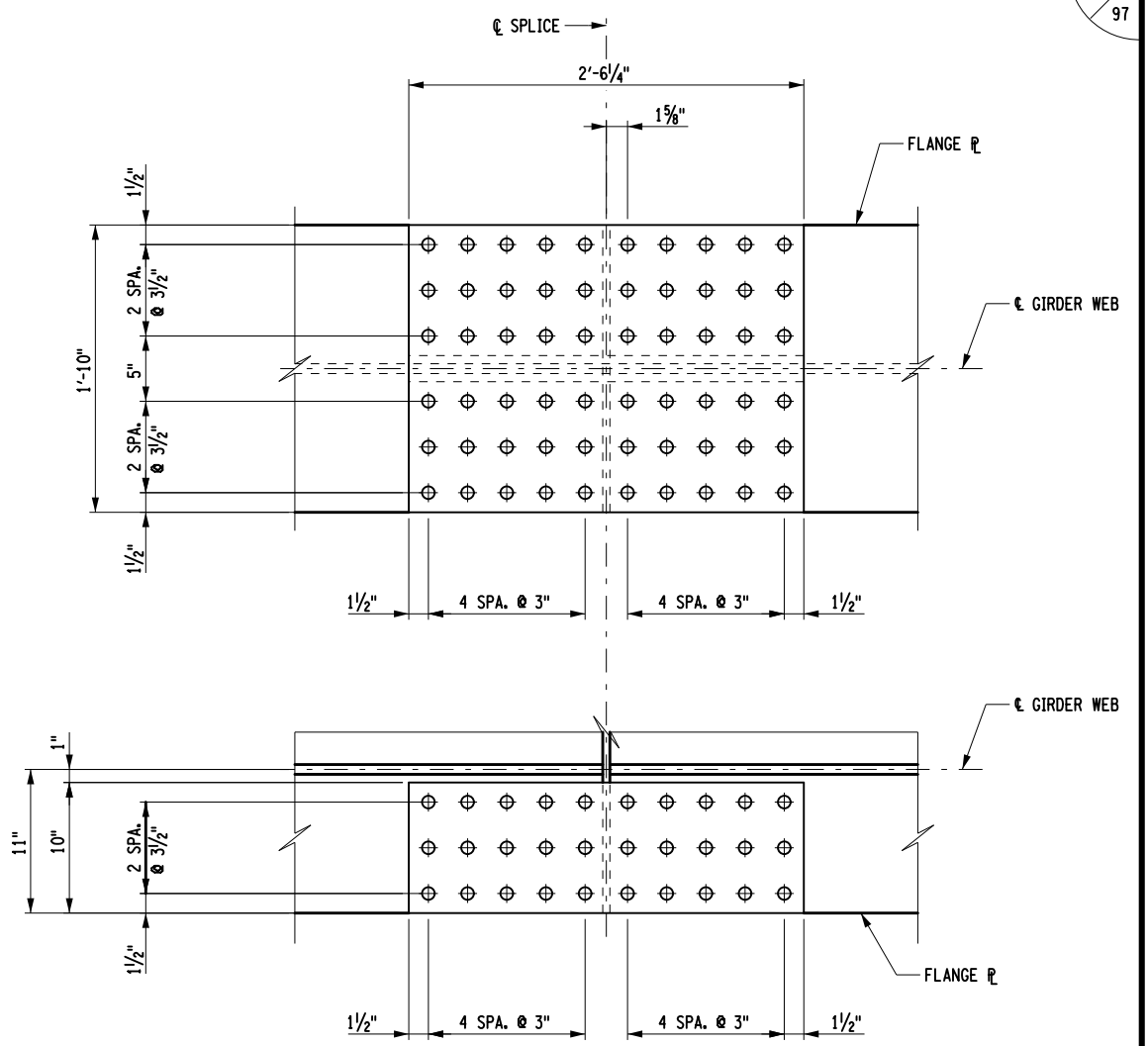
WEB SPLICE DETAIL



SECTION A-A

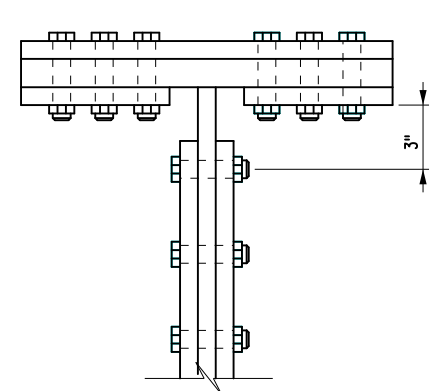


DETAIL "A"
(ENLARGED)

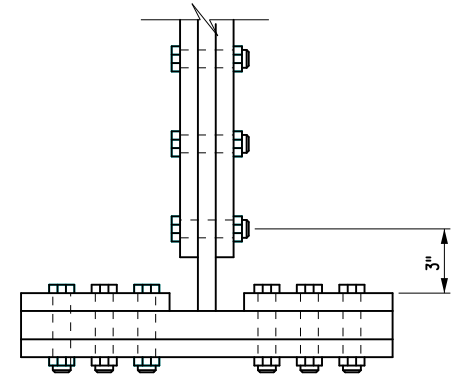


TOP & BOTTOM FLANGE SPLICE DETAIL

	TOP FLANGE SPLICE	BOTTOM FLANGE SPLICE	WEB SPLICE
SPLICE PLATE	1 - PL 1'-10"x1"x2'-6/4"	1 - PL 1'-10"x1"x2'-6/4"	2 - PL 1'-6/4"x5/8"x2'-7"
NO. OF BOLTS	30 EACH SIDE	30 EACH SIDE	24 EACH SIDE



TOP FLANGE



BOTTOM FLANGE

7/8" DIAMETER BOLT ENTERING AND TIGHTENING CLEARANCES

GIRDER SPLICE NOTES:

ALL COSTS FOR BOLTS, NUTS, AND WASHERS SHALL BE INCLUDED IN THE PRICE BID FOR STRUCTURAL STEEL.

SPLICE DESIGNS ARE BASED ON THE LOCATIONS INDICATED. THE CONTRACTOR HAS THE OPTION OF USING ALTERNATE SPLICE LOCATIONS. HOWEVER, RELOCATION REQUESTS MUST BE SUBMITTED TO THE DIRECTOR OF STRUCTURES DESIGN BUREAU 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.

ALL SPLICE PLATES SHALL BE ASTM A709 GRADE 50 AND THEIR COST INCLUDED IN THE PRICE BID FOR THE STRUCTURAL STEEL.

BOLTS, NUTS & WASHERS:

ALL BOLTS SHALL BE 7/8" DIAMETER.

GALVANIZED/METALIZED STEEL APPLICATIONS:

BOLTS SHALL BE ASTM F3125, GRADE A325, TYPE 1 (HOT DIPPED GALVANIZED).

NUTS SHALL BE A563, GRADE DH (HOT DIPPED GALVANIZED); OR A194, GRADE 2H (HOT DIP GALVANIZED).

WASHERS SHALL BE F436, TYPE 1 (HOT DIPPED GALVANIZED).

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SIGNATURE: _____ SIGNATURE: RYAN DOUGLAS HENDERSON
STAMP: _____ STAMP:

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LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING GIRDER FIELD SPLICE DETAILS	DRAWING NUMBER: ST-30

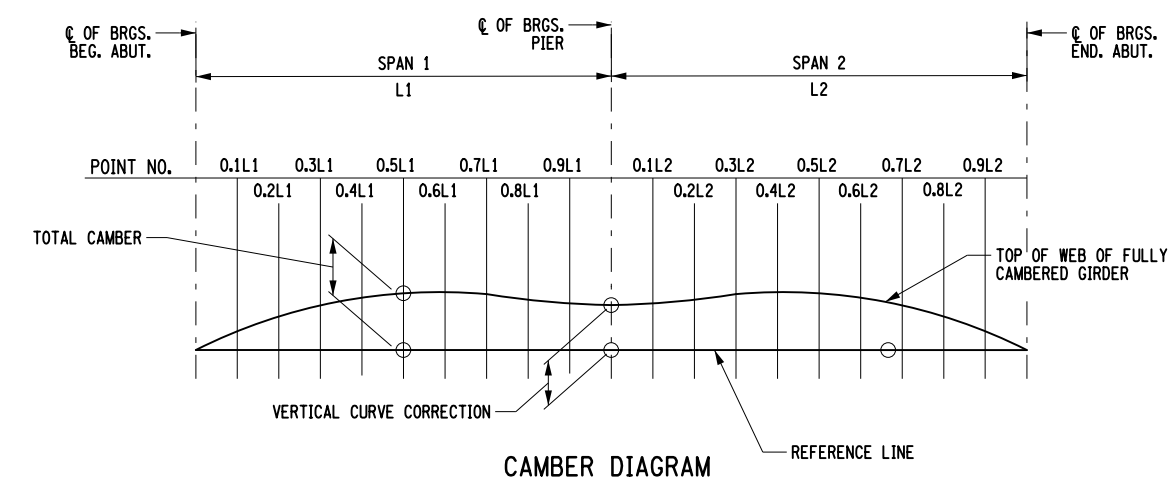
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MOMENT & SHEAR TABLE			CL OF BRGS. BEG ABUT	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL OF BRGS. PIER	0.1 L2	0.2 L2	0.3 L2	0.4 L2	0.5 L2	0.6 L2	0.7 L2	0.8 L2	0.9 L2	CL OF BRGS. END ABUT.
GIRDERS 1&5	D.L.	MOMENT	0.0	510.3	852.5	1026.6	1032.6	870.4	540.2	41.8	-624.7	-1459.3	-2462.1	-1459.3	-624.7	41.8	540.2	870.4	1032.6	1026.6	852.5	510.3	0.0
		SHEAR	52.1	37.4	22.6	7.9	-6.9	-21.6	-36.3	-51.1	-65.8	-80.6	-95.3	80.6	65.8	51.1	36.3	21.6	6.8	-7.9	-22.6	-37.4	-52.1
	S.D.L.	MOMENT	0.0	149.2	250.1	302.7	306.9	262.7	170.2	29.4	-159.8	-397.3	-683.2	-397.3	-159.8	29.4	170.2	262.7	306.9	302.7	250.1	149.2	0.0
		SHEAR	15.2	11.0	6.7	2.5	-1.8	-6.0	-10.2	-14.5	-18.7	-23.0	-27.2	23.0	18.7	14.5	10.2	6.0	1.8	-2.5	-6.7	-11.0	-15.2
	HL-93 (+)	MOMENT	0.0	765.4	1297.7	1611.9	1740.8	1695.4	1491.8	1130.7	639.4	239.7	0.0	239.7	639.4	1130.6	1491.8	1695.4	1740.8	1611.9	1297.7	765.4	0.0
		SHEAR	77.6	65.0	53.3	42.5	32.7	24.0	16.5	10.1	5.3	2.1	0.0	82.5	73.2	63.5	53.6	43.5	33.5	23.7	14.9	10.3	10.0
	HL-93 (-)	MOMENT	0.0	-114.6	-229.1	-343.7	-458.2	-572.8	-687.4	-801.9	-846.6	-1329.6	-2050.7	-1329.6	-846.6	-801.9	-687.4	-572.8	-458.2	-343.7	-229.1	-114.6	0.0
		SHEAR	-10.0	-10.3	-14.9	-23.7	-33.5	-43.5	-53.6	-63.5	-73.2	-82.5	-91.3	-2.1	-5.3	-10.1	-16.5	-24.0	-32.7	-42.5	-53.3	-65.0	-77.6
GIRDERS 2-4	D.L.	MOMENT	0.0	544.2	909.1	1094.7	1101.1	928.2	576.0	44.6	-666.2	-1556.2	-2625.5	-1556.2	-666.2	44.6	576.0	928.2	1101.1	1094.7	909.1	544.2	0.0
		SHEAR	55.6	39.9	24.1	8.4	-7.3	-23.0	-38.8	-54.5	-70.2	-85.9	-101.7	85.9	70.2	54.5	38.8	23.0	7.3	-8.4	-24.1	-39.9	-55.6
	S.D.L.	MOMENT	0.0	149.4	250.5	303.3	307.7	263.7	171.4	30.8	-158.2	-395.5	-681.2	-395.5	-158.2	30.8	171.4	263.7	307.7	303.3	250.5	149.4	0.0
		SHEAR	15.2	11.0	6.7	2.5	-1.7	-6.0	-10.2	-14.5	-18.7	-22.9	-27.2	22.9	18.7	14.5	10.2	6.0	1.7	-2.5	-6.7	-11.0	-15.2
	HL-93 (+)	MOMENT	0.0	665.6	1128.4	1401.6	1513.6	1474.1	1297.0	983.0	585.0	219.4	0.0	219.4	585.0	983.0	1297.0	1474.1	1513.6	1401.6	1128.4	665.6	0.0
		SHEAR	92.3	77.4	63.4	50.6	38.9	28.6	19.6	12.1	6.4	2.5	0.0	98.1	87.1	75.6	63.7	51.8	39.8	28.1	17.7	12.3	11.9
	HL-93 (-)	MOMENT	0.0	-99.6	-199.3	-298.9	-398.6	-498.2	-597.9	-697.5	-775.2	-1217.5	-1877.6	-1217.5	-775.2	-697.5	-597.9	-498.2	-398.6	-299.0	-199.3	-99.7	0.0
		SHEAR	-11.9	-12.3	-17.7	-28.1	-39.8	-51.8	-63.7	-75.6	-87.1	-98.1	-108.6	-2.5	-6.4	-12.1	-19.6	-28.6	-38.9	-50.6	-63.4	-77.4	-92.3

CAMBER TABLE			CL OF BRGS. BEG. 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. PIER	0.1 L2	0.2 L2	0.3 L2	0.4 L2	0.5 L2	0.6 L2	0.7 L2	0.8 L2	0.9 L2	CL OF BRGS. END ABUT.
GIRDERS 1&5	I. STEEL D.L. (ft)		0.000	0.020	0.040	0.055	0.055	0.055	0.045	0.030	0.015	0.005	0.000	0.005	0.015	0.030	0.045	0.055	0.055	0.055	0.040	0.020	0.000
	II. CONCRETE D.L. (ft)		0.000	0.060	0.105	0.135	0.145	0.140	0.115	0.075	0.040	0.010	0.000	0.010	0.040	0.075	0.115	0.140	0.145	0.135	0.105	0.060	0.000
	III. SUPERIMPOSED D.L. (ft)		0.000	0.015	0.030	0.040	0.040	0.040	0.035	0.020	0.010	0.005	0.000	0.005	0.010	0.020	0.035	0.040	0.040	0.040	0.030	0.015	0.000
	IV. VERTICAL CURVE (ft)		0.000	0.165	0.310	0.440	0.555	0.650	0.725	0.785	0.830	0.960	0.970	0.960	0.830	0.785	0.725	0.650	0.555	0.440	0.310	0.165	0.000
	TOTAL = I+II+III+IV (ft)		0.000	0.260	0.485	0.670	0.795	0.885	0.920	0.910	0.895	0.980	0.970	0.980	0.895	0.910	0.920	0.885	0.795	0.670	0.485	0.260	0.000
GIRDERS 2-4	I. STEEL D.L. (ft)		0.000	0.020	0.040	0.055	0.055	0.045	0.030	0.015	0.005	0.000	0.000	0.005	0.015	0.030	0.045	0.055	0.055	0.055	0.040	0.020	0.000
	II. CONCRETE D.L. (ft)		0.000	0.065	0.115	0.150	0.160	0.150	0.125	0.085	0.040	0.010	0.000	0.010	0.040	0.085	0.125	0.150	0.160	0.150	0.115	0.065	0.000
	III. SUPERIMPOSED D.L. (ft)		0.000	0.015	0.030	0.035	0.040	0.040	0.030	0.020	0.010	0.005	0.000	0.005	0.010	0.020	0.030	0.040	0.040	0.035	0.030	0.015	0.000
	IV. VERTICAL CURVE (ft)		0.000	0.165	0.310	0.440	0.555	0.650	0.725	0.785	0.830	0.960	0.970	0.960	0.830	0.785	0.725	0.650	0.555	0.440	0.310	0.165	0.000
	TOTAL = I+II+III+IV (ft)		0.000	0.265	0.495	0.680	0.810	0.895	0.925	0.920	0.895	0.980	0.970	0.980	0.895	0.920	0.925	0.895	0.810	0.680	0.495	0.265	0.000

DESIGN LOAD TABLE		
UNIT	GIRDERS 1 & 5 LOAD K/ft.	GIRDERS 2 - 4 LOAD K/ft.
D.L.		
SLAB	0.826	0.905
HAUNCH	0.075	0.075
GIRDER	0.292	0.292
S.I.P. FORMS	0.012	0.023
DIAPHRAGM	0.018	0.037
TOTAL	1.223	1.332
S.D.L.		
BARRIER/FENCING	0.244	0.244
FUTURE W.S.	0.128	0.128
TOTAL	0.372	0.372

ASSUMED LIVE LOAD = HL - 93



USER = jmpx11-pw-svc
 DATE/TIME = 02-OCT-2025 16:37
 FILE NAME =
 DESIGN SUPERVISOR
 DRAFTING
 CHECK
 DESIGN
 CHECK

ALTERED ON:

AFFIXED ON: 10/02/2025

SIGNATURE: STAMP:

SIGNATURE: RYAN DOUGLAS HENDERSON
STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE Thruway Authority

STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER

TITLE OF PROJECT: REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87

LOCATION OF PROJECT: ALBANY DIVISION MP 103.16

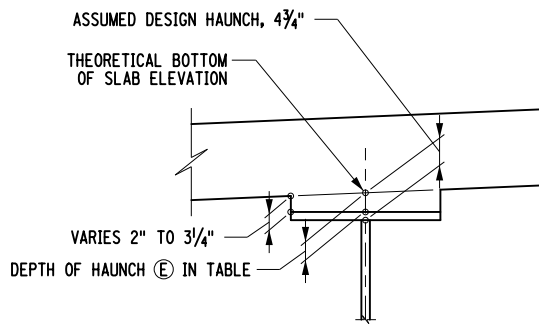
TITLE OF DRAWING: CAMBER, DESIGN LOAD, AND MOMENT AND SHEAR TABLES

CONTRACT NUMBER: TAA-25-27B

DATE: 10/02/2025

DRAWING NUMBER: ST-31

HAUNCH TABLE		CL OF BRGS. BEG. 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. PIER	0.1 L2	0.2 L2	0.3 L2	0.4 L2	0.5 L2	0.6 L2	0.7 L2	0.8 L2	0.9 L2	CL OF BRGS. END ABUT.
GIRDER 1	A. REQ'D BOTTOM OF SLAB ELEVATION	164.18	164.31	164.42	164.51	164.58	164.64	164.68	164.71	164.71	164.70	164.68	164.63	164.56	164.48	164.39	164.27	164.14	163.99	163.82	163.64	163.44
	B. TOP OF STEEL EL. (FIELD MEASURE)																					
	C = A - B																					
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.075	0.135	0.175	0.185	0.180	0.150	0.095	0.050	0.015	0.000	0.015	0.050	0.095	0.150	0.180	0.185	0.175	0.135	0.075	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft)																					
GIRDER 2	A. REQ'D BOTTOM OF SLAB ELEVATION	164.33	164.46	164.57	164.66	164.73	164.79	164.83	164.86	164.86	164.85	164.83	164.78	164.72	164.64	164.54	164.43	164.29	164.14	163.98	163.79	163.59
	B. TOP OF STEEL EL. (FIELD MEASURE)																					
	C = A - B																					
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.080	0.145	0.185	0.200	0.190	0.155	0.105	0.050	0.015	0.000	0.015	0.050	0.105	0.155	0.190	0.200	0.185	0.145	0.080	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft)																					
GIRDER 3	A. REQ'D BOTTOM OF SLAB ELEVATION	164.48	164.61	164.72	164.81	164.89	164.95	164.99	165.01	165.02	165.01	164.98	164.93	164.87	164.79	164.69	164.58	164.45	164.30	164.13	163.95	163.75
	B. TOP OF STEEL EL. (FIELD MEASURE)																					
	C = A - B																					
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.080	0.145	0.185	0.200	0.190	0.155	0.105	0.050	0.015	0.000	0.015	0.050	0.105	0.155	0.190	0.200	0.185	0.145	0.080	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft)																					
GIRDER 4	A. REQ'D BOTTOM OF SLAB ELEVATION	164.33	164.46	164.57	164.66	164.73	164.79	164.83	164.86	164.86	164.85	164.83	164.78	164.72	164.64	164.54	164.43	164.29	164.14	163.98	163.79	163.59
	B. TOP OF STEEL EL. (FIELD MEASURE)																					
	C = A - B																					
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.080	0.145	0.185	0.200	0.190	0.155	0.105	0.050	0.015	0.000	0.015	0.050	0.105	0.155	0.190	0.200	0.185	0.145	0.080	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft)																					
GIRDER 5	A. REQ'D BOTTOM OF SLAB ELEVATION	164.18	164.31	164.42	164.51	164.58	164.64	164.68	164.71	164.71	164.70	164.68	164.63	164.56	164.48	164.39	164.27	164.14	163.99	163.82	163.64	163.44
	B. TOP OF STEEL EL. (FIELD MEASURE)																					
	C = A - B																					
	D. CONCRETE + S.D.L. DEFLECTION	0.000	0.075	0.135	0.175	0.185	0.180	0.150	0.095	0.050	0.015	0.000	0.015	0.050	0.095	0.150	0.180	0.185	0.175	0.135	0.075	0.000
	E. DEPTH OF HAUNCH REQ'D = C + D (ft)																					



GIRDER HAUNCH DETAIL

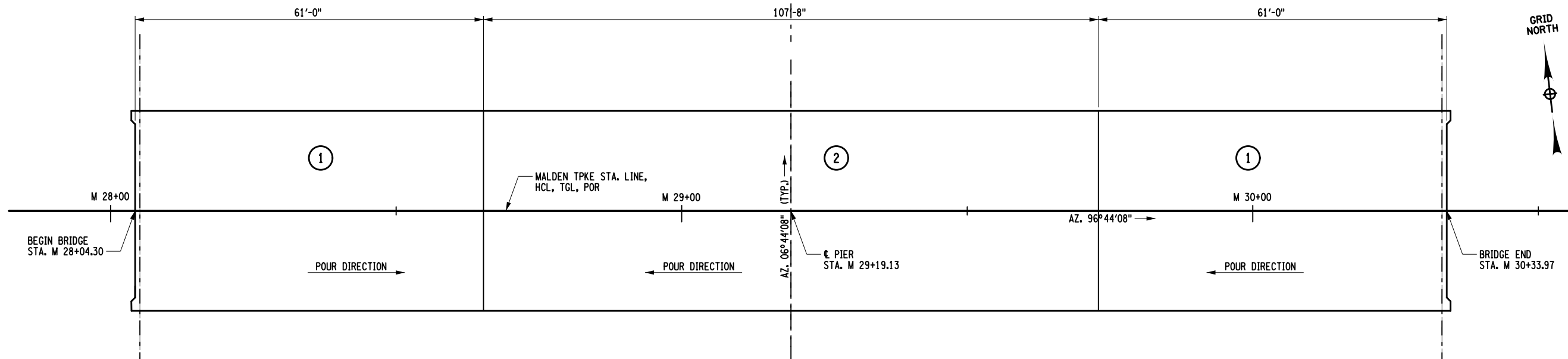
ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: RYAN DOUGLAS HENDERSON STAMP:

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 MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING HAUNCH TABLE AND DETAIL	DRAWING NUMBER: ST-32

USER = jmtpr11-pr-svc
 DATE/TIME = 02-OCT-2025 16:37
 DESIGN SUPERVISOR
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 DRAFTING
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POUR SEQUENCE
NOT TO SCALE

CONCRETE TABLE	
POUR	QUANTITY
1	143.3 CY
2	122.9 CY

DECK PLACEMENT NOTES

CONCRETE PLACEMENT AND FINISHING OPERATIONS SHALL BE PERFORMED AS RAPIDLY AS POSSIBLE. THE ENGINEER MAY DIRECT THE CONTRACTOR TO STOP PLACEMENT OPERATIONS AT ANY TIME IF, IN THE ENGINEER'S OPINION, CONCRETE PLACED DURING THE PLACEMENT HAS STARTED TO SET, OR IS ABOUT TO SET, AND FURTHER PLACEMENT OF CONCRETE WILL CAUSE DEFLECTION CRACKING.

LONGITUDINAL CONSTRUCTION JOINTS ARE NOT PERMITTED.

THE CONTRACTOR SHALL OPERATE FINISHING MACHINE(S) AS CLOSE TO THE SKEW ANGLE AS PRACTICABLE.

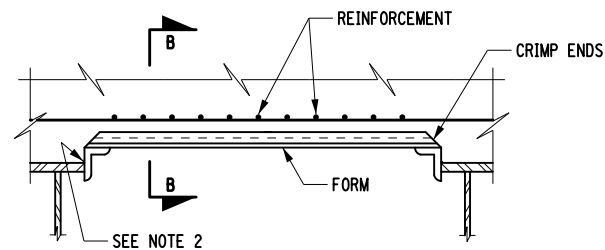
THE CONTRACTOR SHALL PLACE WET BURLAP CURING BLANKETS ON THE CONCRETE DECK WITHIN 30 MINUTES OF THE CONCRETE BEING DEPOSITED INTO THE FORMS OR 5 MINUTES AFTER FINISHING, WHICHEVER COMES FIRST. THE PLACEMENT OF THE TURF DRAG TEXTURE SHALL NOT INTERFERE WITH THESE REQUIREMENTS.

IF THE CONTRACTOR'S DECK PLACEMENT OPERATION IS STOPPED PRIOR TO COMPLETION, WHETHER BY THE CONTRACTOR'S DECISION OR BY DIRECTION OF THE ENGINEER, THE CONTRACTOR SHALL PROVIDE A FINISHED DECK GRADE WHICH MATCHES THE PLANNED PROFILE. ANY SUBSEQUENT REVISIONS TO DECK FORMS MADE NECESSARY BY SUCH ACTION SHALL BE AT NO COST TO THE STATE.

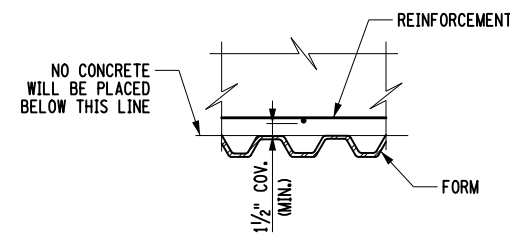
THERE WILL BE NO EXCEPTIONS MADE TO THE POURING SEQUENCE SHOWN IN THE CONTRACT PLANS.

CONSTRUCTION JOINTS SHALL BE PLACED PARALLEL TO THE SKEW ANGLE. DECK CONCRETE SHALL BE PLACED SO THAT THE LEADING EDGE IS PARALLEL TO THE SKEW. FINISHING MACHINE(S) SHALL BE OPERATED AS CLOSE TO THE SKEW ANGLE AS PRACTICABLE. TEXTURING MAY BE DONE LONGITUDINAL, TRANSVERSE OR PARALLEL TO THE ALIGNMENT OF THE FINISHING MACHINE.

ALL AREAS SHOWN ON THE PLANS AS "PLACEMENT 1" SHALL BE PLACED DURING THE INITIAL CONTINUOUS WORK PERIOD. SUBSEQUENT PLACEMENTS WILL NOT BE PERMITTED UNTIL 72 HOURS OF ACCEPTABLE CURING AFTER THE COMPLETION OF THE PREVIOUS PLACEMENT HAS BEEN ACHIEVED.



PERMANENT CORRUGATED METAL FORM DETAIL
NOT TO SCALE



SECTION B-B
NOT TO SCALE

FORM UNIT NOTES:

- THE COST OF THE FORMING SYSTEMS SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SUPERSTRUCTURE SLAB CONCRETE ITEM.
- TACK WELDS SHALL BE ALLOWED IN THE COMPRESSION AREA OF THE STRINGER'S TOP FLANGE ONLY. FOR CONTINUOUS STRUCTURES, SEE STRINGER DETAILS FOR LIMITS OF TENSION ZONES FOR THE TOP FLANGE. WELDING SHALL CONFORM TO SECTION 7 OF THE N.Y.S STEEL CONSTRUCTION MANUAL. (1/8" DIA. E7018 OR E8018-C3 ELECTRODES, PROPERLY CONDITIONED, SHALL BE USED.)
- THERE SHALL BE NO WELDING TO GALVANIZED OR METALIZED GIRDER SURFACES FOR THE ATTACHMENT OF FORMING DEVICES.
- THE SUPPORT ANGLES AND/OR ZEES SHALL BE GALVANIZED IN ACCORDANCE WITH MATERIAL SPECIFICATION 719-01.

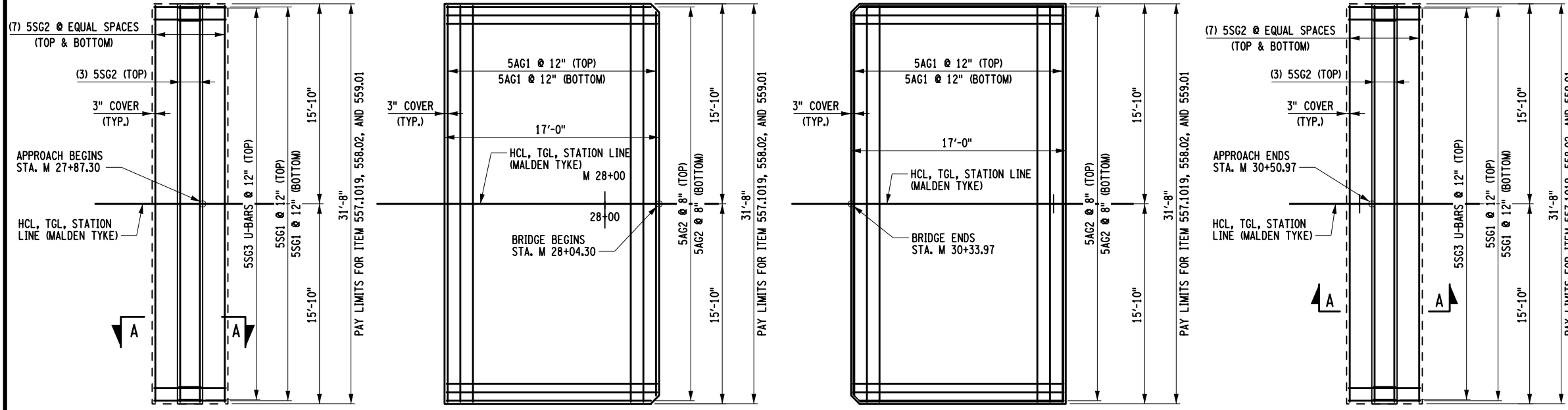
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/09/2025
TITLE OF DRAWING SUPERSTRUCTURE SLAB PLACEMENT AND NOTES	DRAWING NUMBER: ST-34

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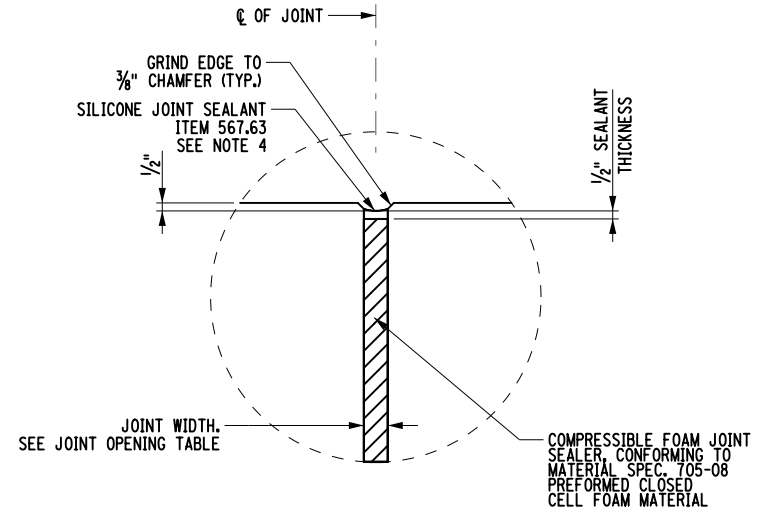


APPROACH AND SLEEPER REINFORCEMENT
NOT TO SCALE

- NOTES:
- EXCAVATION FOR SLEEPER SLABS SHALL BE CAREFULLY MADE AFTER COMPACTED ABUTMENT EMBANKMENT IS IN PLACE. THE SLEEPER SLABS SHALL BE FOUND 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 SLAB, THE SURFACE OF THE SUBBASE COURSE MUST BE ACCURATELY CONTROLLED TO FOLLOW AND BE PARALLEL TO THE ROADWAY GRADE AND CROSS SLOPE. POLYETHYLENE CURING COVERS (WHITE OPAQUE) IN ACCORDANCE WITH MATERIAL SPECIFICATION SUBSECTION 711-04 SHALL BE PLACED ON FINISHED SUBBASE COURSE THE FULL WIDTH OF THE APPROACH SLAB PRIOR TO PLACEMENT OF THE REINFORCEMENT. THE CURING COVERS SHALL BE 0.004 INCH THICK, AND LAPS SHALL BE 2 FT. MINIMUM.
 - TOP OF SLEEPER SLABS SHALL BE STEEL TROWEL FINISHED AND COATED WITH A 0.04 INCH NOMINAL THICKNESS OF PERFORMANCE GRADE ASPHALT AS INDICATED IN THE PROPOSAL, OR MATERIAL SPECIFICATION 702-31.01. THE TOP OF SLEEPER SLABS SHALL FOLLOW THE CROSS SLOPE AND GRADE OF THE ROADWAY, COST TO BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB ITEM.
 - FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL, LIQUID SEALANT, FROM THE DEPARTMENTS APPROVED LIST. THE MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED FOR THOSE SEALANTS THAT REQUIRES A PRIMER. THE CONCRETE SHALL CURE FOR MINIMUM OF 7 DAYS BEFORE JOINT IS SEALED. SEALING SHALL ONLY 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.
 - TOP SURFACE OF STRUCTURAL SLABS AND APPROACH SLABS SHALL BE GROOVED UNDER THE SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE ITEM. EXPOSED AREAS OF SLEEPER SLAB DO NOT NEED TO BE GROOVED.
 - COMPRESSED SYNTHETIC SHEET GASKET (TREATED BOTH SIDES), MATERIAL SPECIFICATIONS 728-06, TWO 0.06 INCH THICK SHEETS. PRICE WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB ITEM.
 - ALL REINFORCEMENT SHALL HAVE 3 INCH COVER UNLESS OTHERWISE NOTED.
 - (G) DENOTES GALVANIZED COATED BARS.
 - DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE: ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALES IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	1 5/8
35	1 5/8
40	1 5/8
45	1 5/8
50	1 1/2
55	1 1/2
60	1 1/2
65	1 3/8
70	1 3/8
75	1 1/4
80	1 1/4
85	1 1/4
90	1 1/8
95	1 1/8
100	1 1/8
105	1
110	1

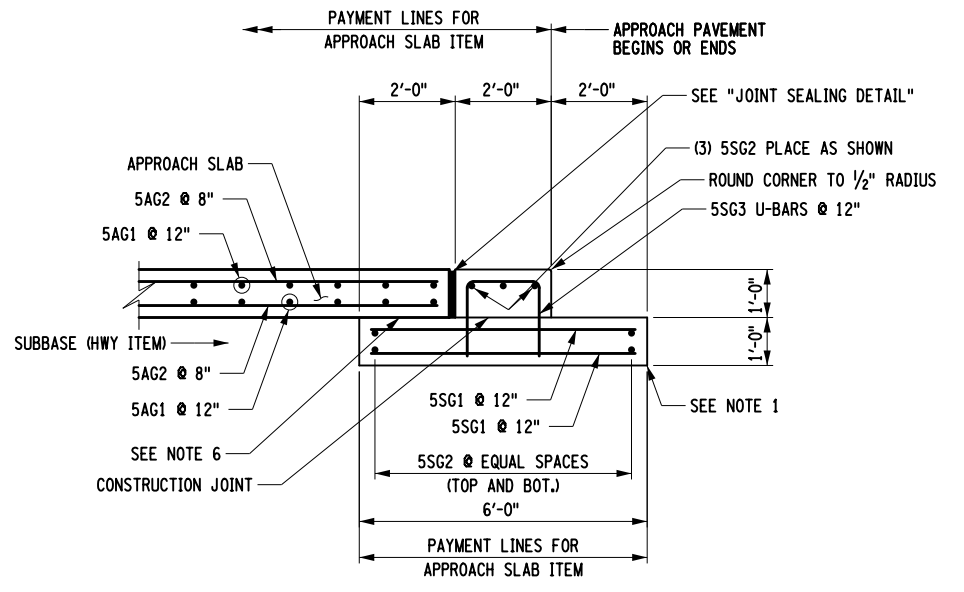
NOTES:
MIN. OPENING (IN.) = 1
MAX. OPENING/REQ. MIN. SEAL WIDTH (IN.) = 2.125
TOTAL MOVEMENT (IN.) = 1.125



JOINT SEALING DETAIL

- NOTES:
- THE "JOINT OPENING" SHALL BE DETERMINED AT THE TIME OF PLACEMENT, USING THE TABLE PROVIDED ON THIS DRAWING.
 - THE SUPERSTRUCTURE TEMPERATURE USED TO DETERMINE THE JOINT OPENING SHALL BE THE AVERAGE TEMPERATURE OF THE BOTTOM OF THE GIRDER TOP FLANGES, (OR) THE TEMPERATURE OF THE SIDE OF A PRESTRESSED BEAM NOT DIRECTLY IN SUNLIGHT. MINIMUM OF TWO TEMPERATURE READINGS PER SPAN SHALL BE USED TO CALCULATE THE AVERAGE SUPERSTRUCTURE TEMPERATURE.

APPROACH SLAB TABLE			
LOCATION	CONCRETE APPROACH SLAB 557.1019 (SY)	LONGITUDINAL SAWCUT GROOVING 558.02 (SY)	PROTECTIVE SEALER 559.01 (SF)
BEGIN APPROACH SLAB	60	60	538
END APPROACH SLAB	60	60	538



SECTION A-A SLEEPER SLAB

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 DESIGN SUPERVISOR

ALTERED ON: _____ AFFIXED ON: 09/25/2025

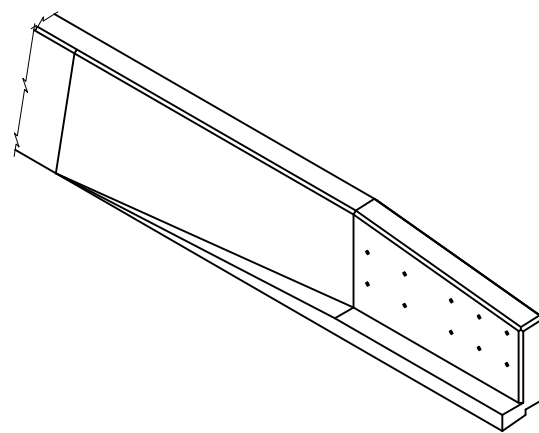
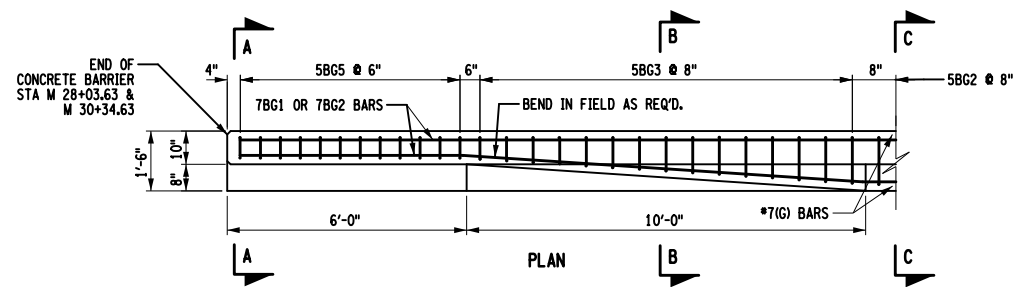
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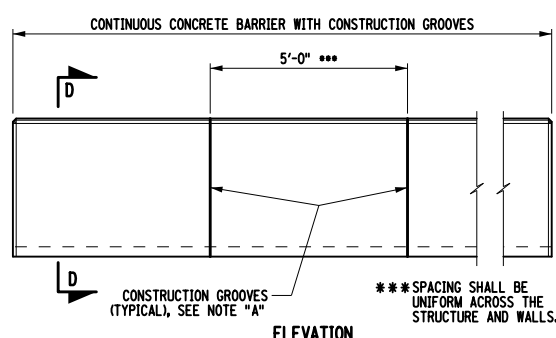
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



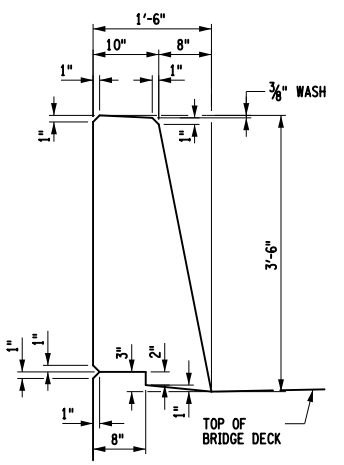
TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING APPROACH SLAB DETAILS AND REINFORCEMENT	DRAWING NUMBER: ST-35



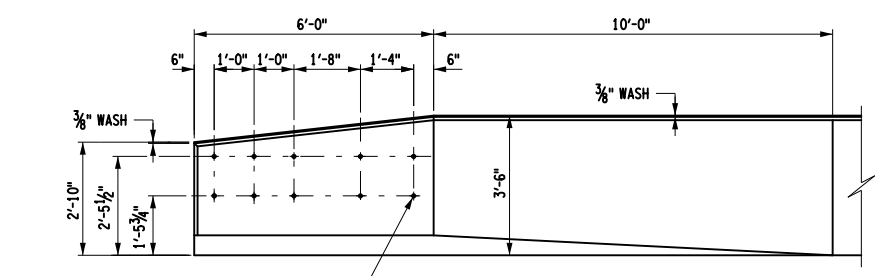
ISOMETRIC OF CONCRETE SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER END SECTION



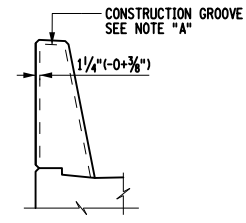
CONCRETE BARRIER GROOVE SPACING NOT TO SCALE



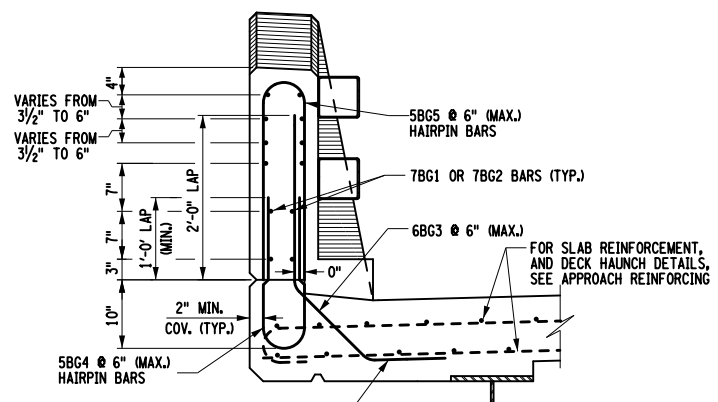
TYPICAL BARRIER SECTION NOT TO SCALE



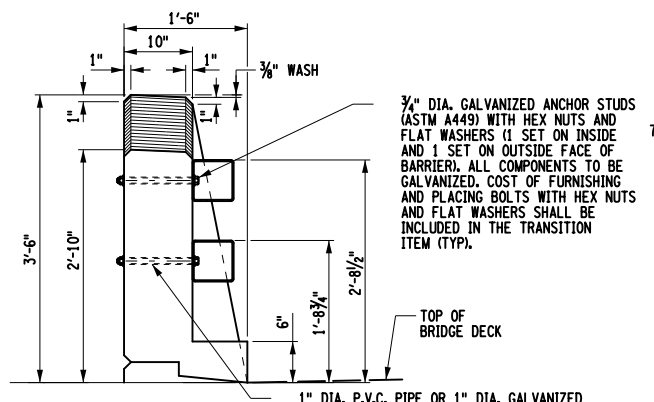
CONCRETE BARRIER TRANSITION NOT TO SCALE



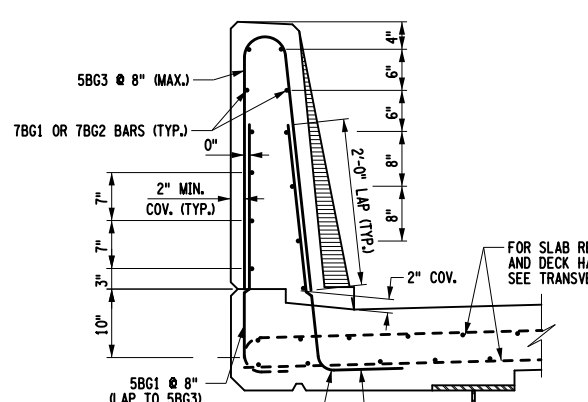
SECTION D-D NOT TO SCALE



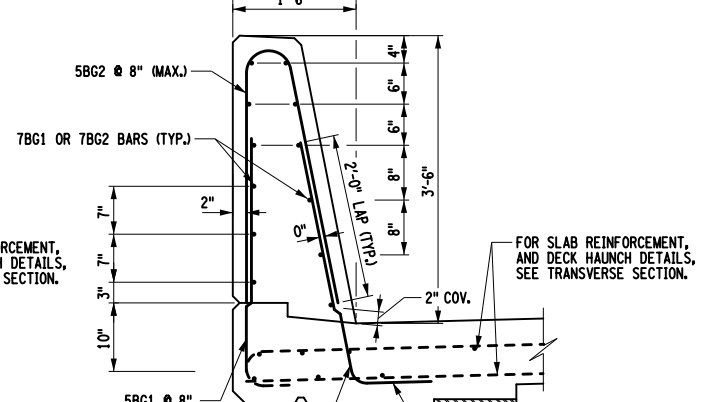
SECTION A-A NOT TO SCALE



TYPICAL END SECTION NOT TO SCALE



BARRIER SECTION B-B NOT TO SCALE



BARRIER SECTION C-C NOT TO SCALE

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 1/4" (-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.

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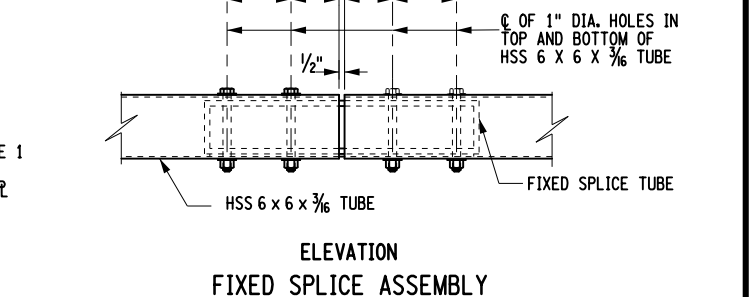
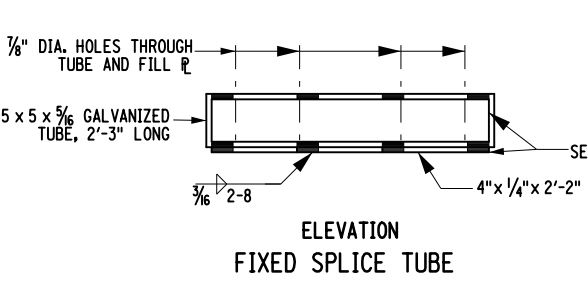
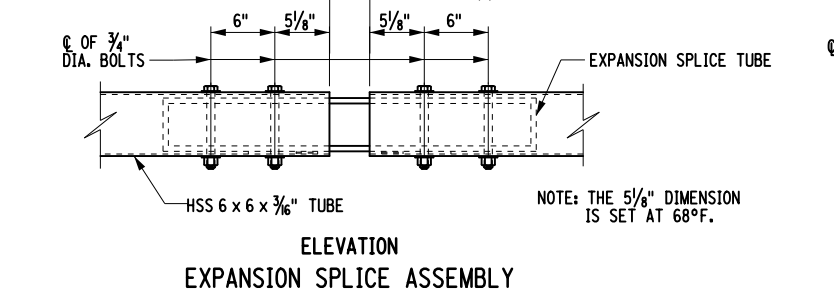
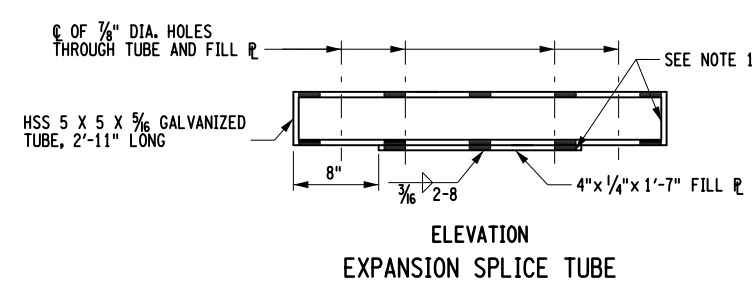
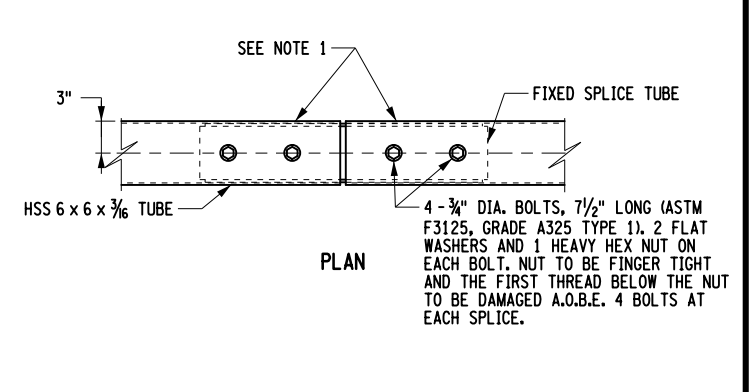
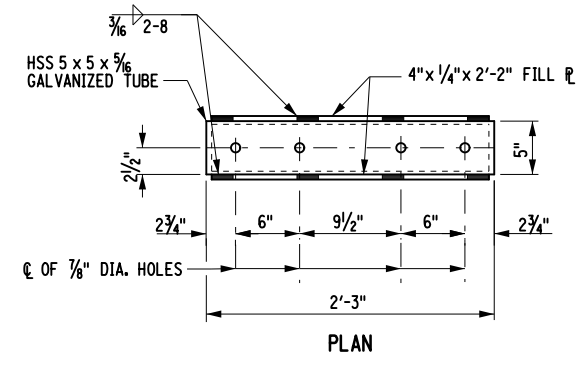
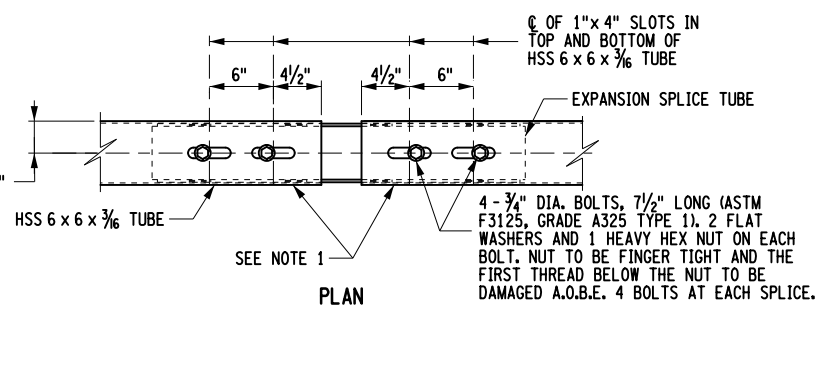
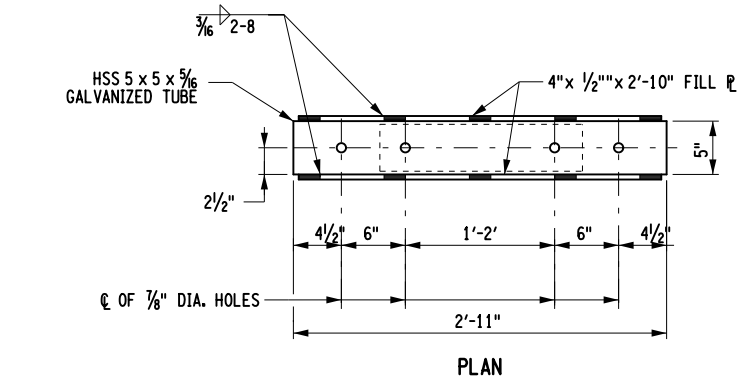
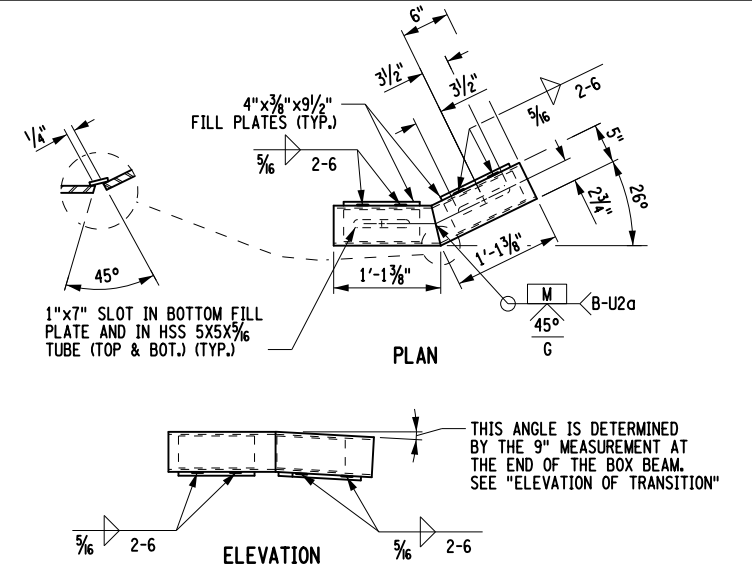
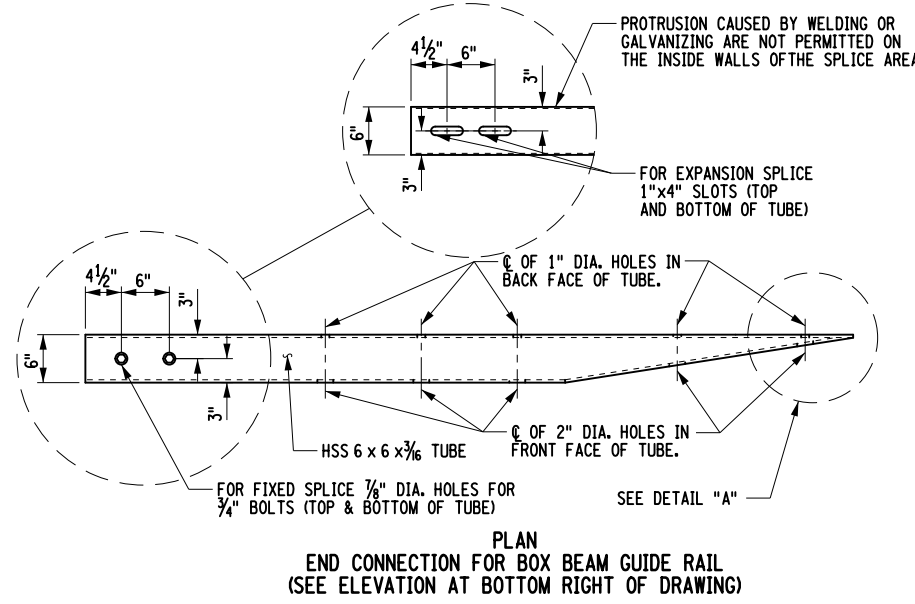
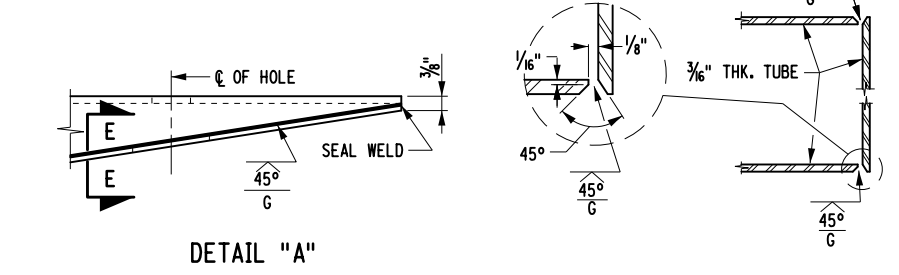
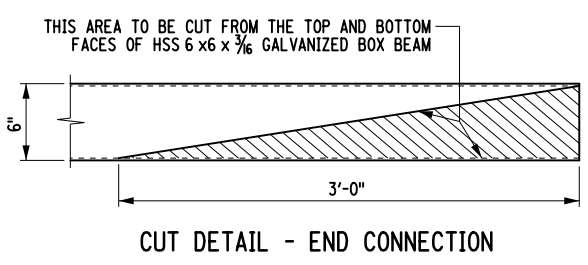
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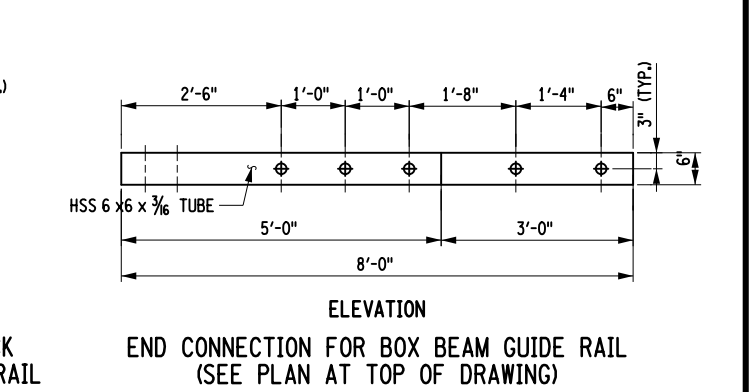
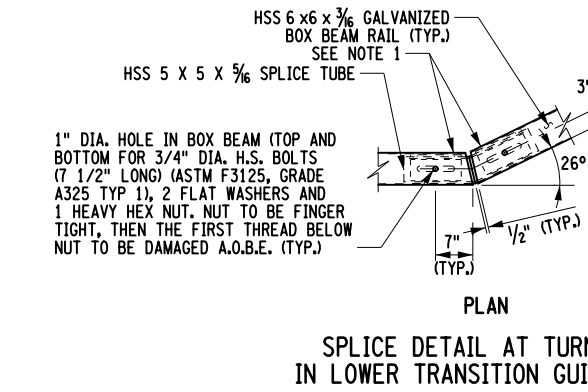
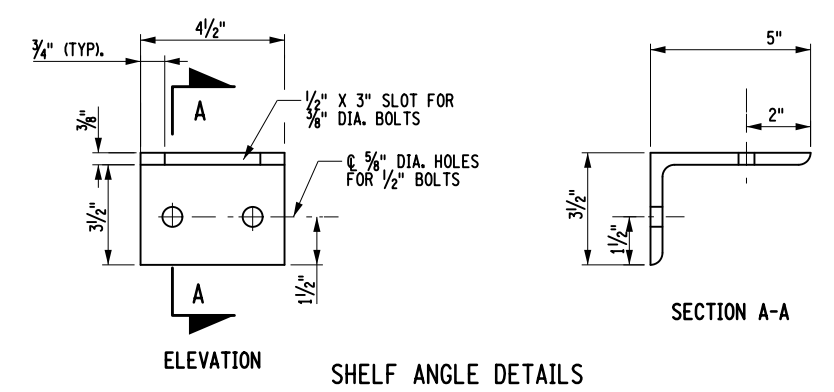
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

	TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
	TITLE OF DRAWING CONCRETE BARRIER DETAILS	DRAWING NUMBER: ST-36



NOTES:
1. PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.



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AFFIXED ON: 09/25/2025

SIGNATURE: RYAN DOUGLAS HENDERSON

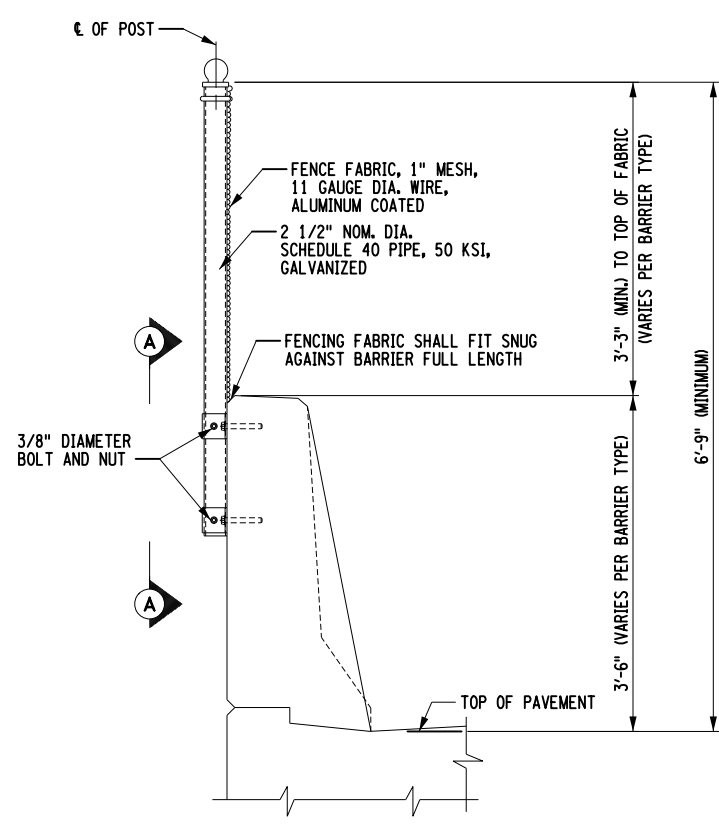
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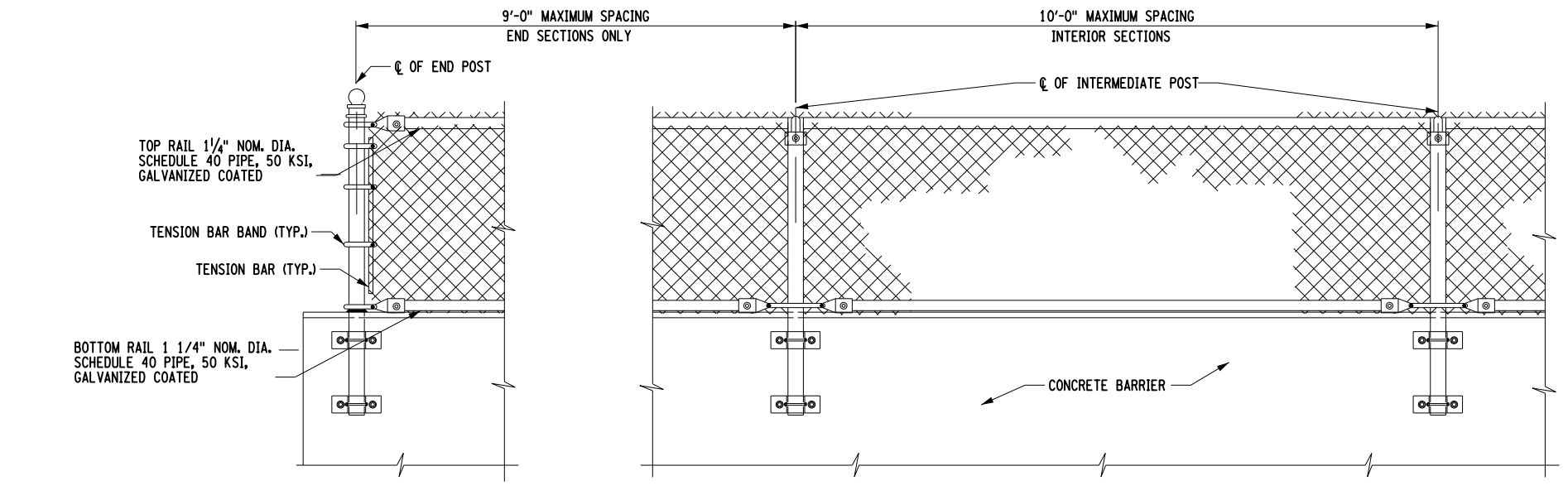
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DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING CONCRETE BRIDGE BARRIER TRANSITION DETAILS	DRAWING NUMBER: ST-38

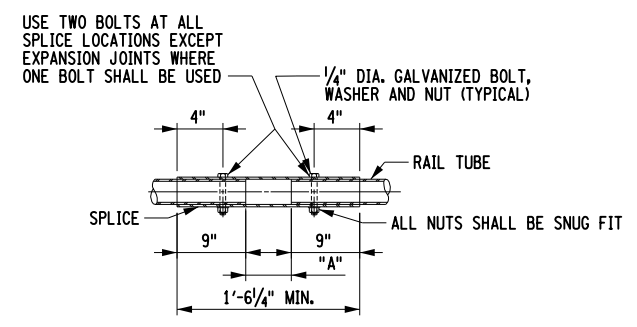
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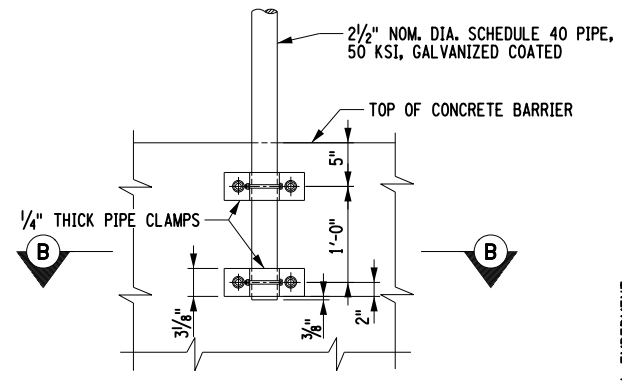
TYPICAL SECTION OF SNOW FENCING ON SAFETY SHAPE AND SINGLE SLOPE BARRIER



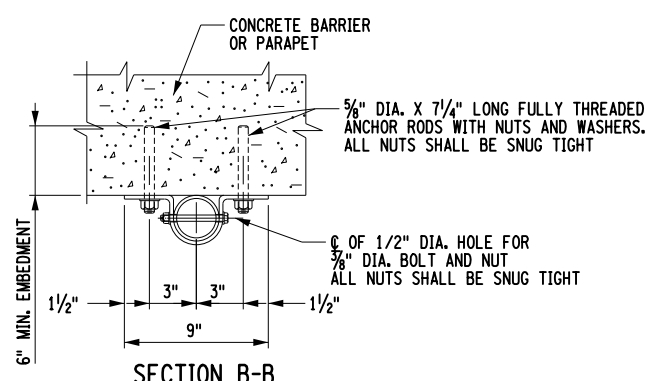
TYPICAL ELEVATION OF SNOW FENCING ON CONCRETE BARRIER



TYPICAL RAIL SPLICE DETAIL (TOP AND BOTTOM RAIL)



SECTION A-A



SECTION B-B

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 POST MAY BE DRILLED AND GROUDED INTO THE BARRIER OR PARAPET AS SHOWN. BE DRILLED AND GROUDED INTO THE BARRIER OR PARAPET AS SHOWN.
3. DRILLING AND GROUDED OF FULLY THREADED ANCHOR RODS SHALL BE DONE IN ACCORDANCE WITH SPECIFICATION 586.0301 - DRILLING AND GROUDED BOLTS OR REINFORCING BARS WITH PULLOUT TESTS, COST INCLUDED IN 607.0612--25.
4. IT IS PERMISSIBLE TO INSTALL SHIM PLATES BEHIND THE VERTICAL FENCE POSTS TO ACHIEVE PLUMB. SHIMS MUST HAVE 11/16" 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 607.0612--25 - 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 SPEC. 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 SPEC. 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 SPEC. 719-01 OR MECHANICALLY DEPOSITED ZINC COATED AS DESCRIBED ABOVE.

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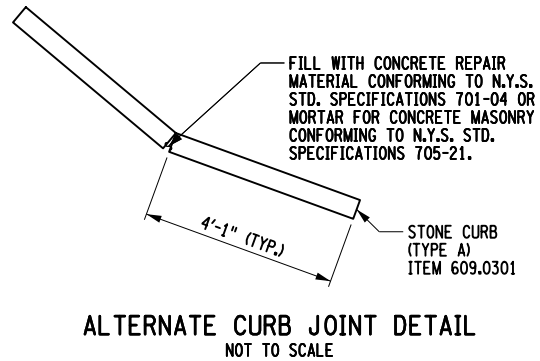
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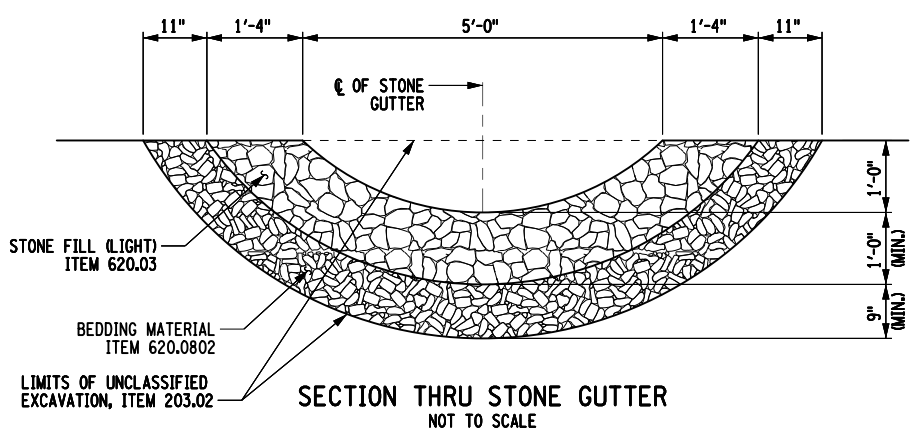
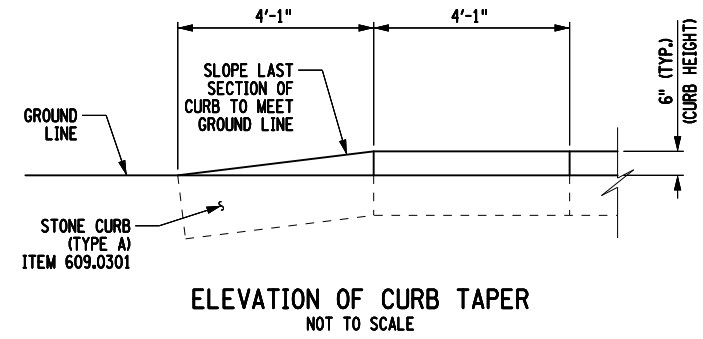
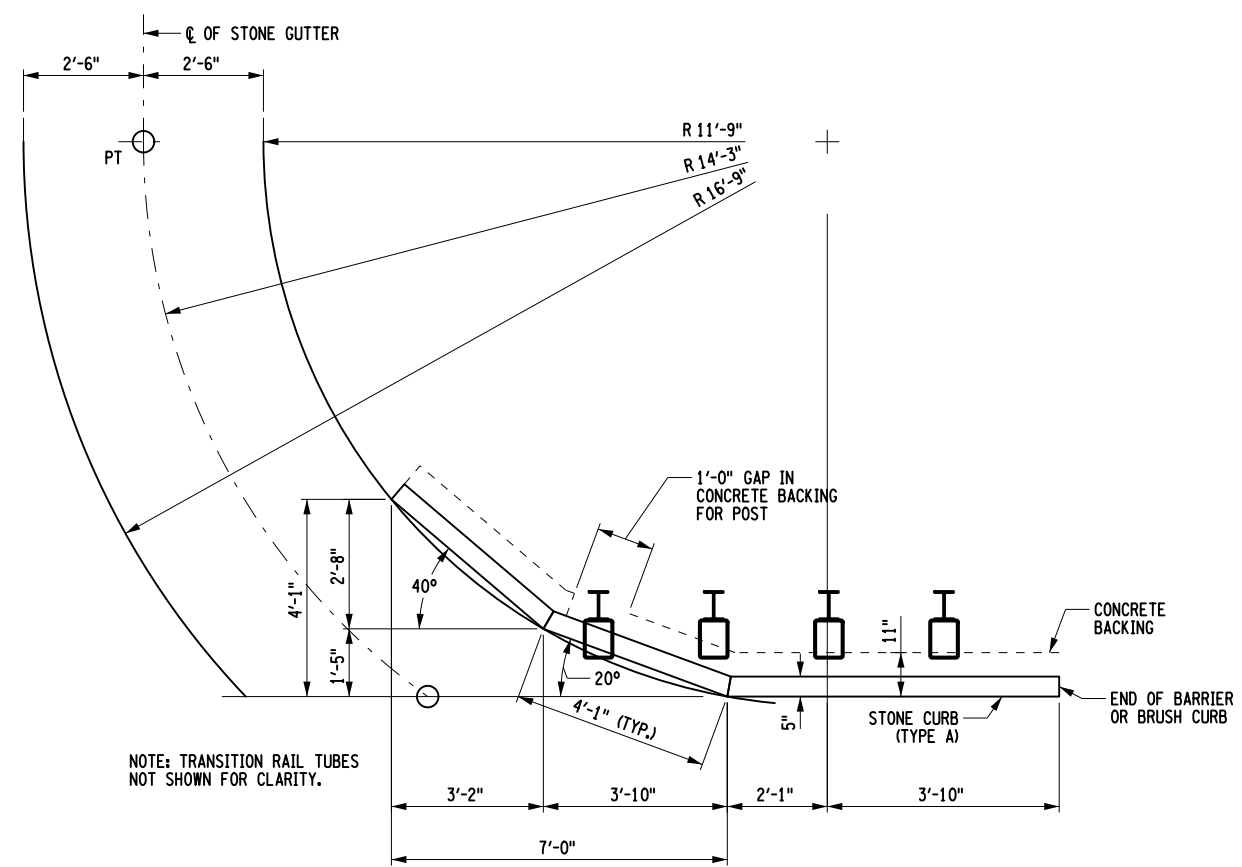
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DATE	DESCRIPTION	BY	SYM.




TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
TITLE OF DRAWING SNOW FENCE DETAILS	DRAWING NUMBER: ST-39



NOTE:
STONE GUTTER TO
EXTEND TO TOE OF
SLOPE.



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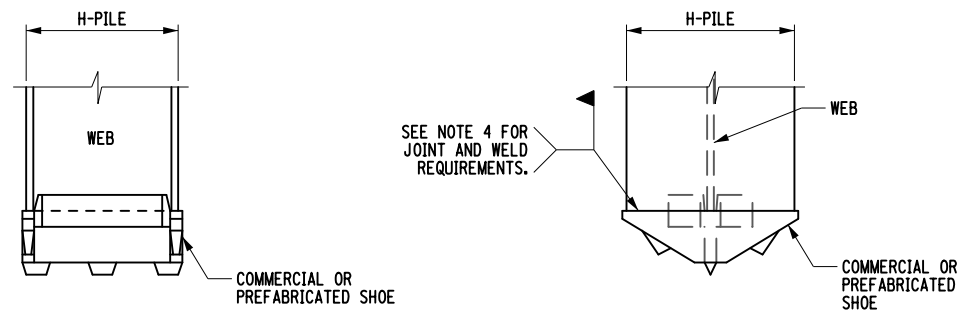
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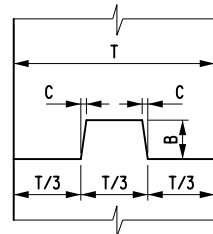



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LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING APPROACH DRAINAGE DETAILS	DRAWING NUMBER: ST-40



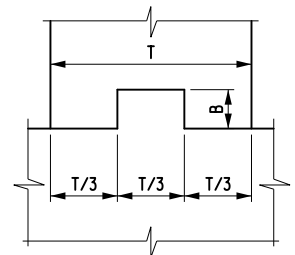
PILE SHOE NOTES

1. COMMERCIAL OR PREFABRICATED SHOES ARE SUBJECT TO THE APPROVAL OF THE ENGINEER.
2. THE SHOE SHALL BE ATTACHED BY A NYSDOT CERTIFIED WELDER.
3. A "WELDING PROCEDURE SPECIFICATION" (WPS) APPROVED BY THE ENGINEER IS REQUIRED.
4. THE SHOE WELD JOINT DESIGN SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION, AND AS SHOWN ON THE APPROVED WPS.
5. 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.
6. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER IN CONFORMANCE WITH REQUIREMENTS FOR WELDING SPECIFIED IN THE N.Y.S. STEEL CONSTRUCTION MANUAL.



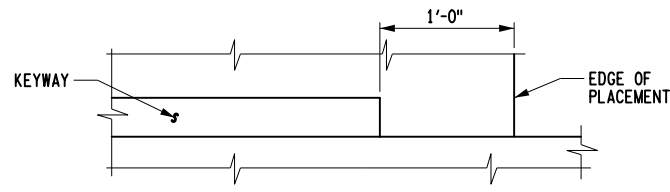
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VERTICAL



NOTE: WATERSTOP NOT SHOWN.

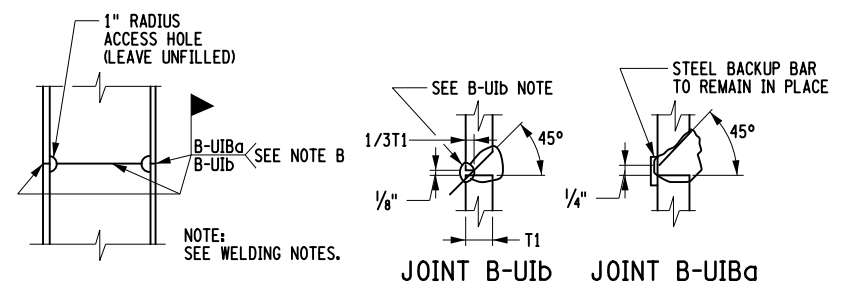
HORIZONTAL



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



SPLICE FOR STEEL H-PILE
(ITEM 551.12)
NOT TO SCALE

WELDING NOTES

A "WELDING PROCEDURE SPECIFICATION" (WPS) APPROVED BY THE NYSTA STRUCTURES/ GEOTECH IS REQUIRED.

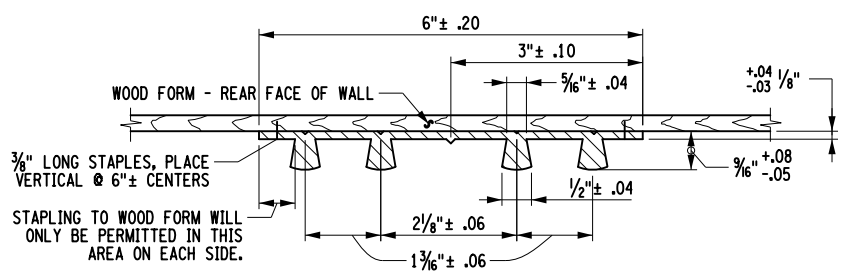
ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER IN CONFORMANCE WITH REQUIREMENTS FOR WELDING SPECIFIED IN THE N.Y.S. STEEL CONSTRUCTION MANUAL.

B: 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.

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.

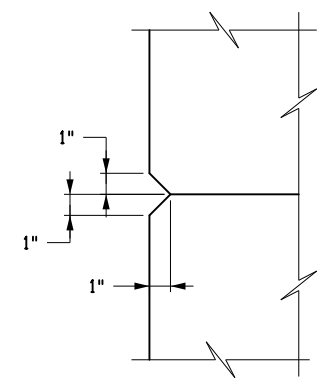
STEEL BEARING PILE SHOES
NOT TO SCALE



TYPE D WATERSTOP
NOT TO SCALE

WATERSTOP NOTES:

- HOLES MUST NOT BE MADE IN WATERSTOP FOR ANY PURPOSE EXCEPT AS REQUIRED FOR STAPLING TO FORMS.
- TYPE D WATERSTOP SHALL BE LIGHT GRAY IN COLOR.
- PVC USED IN WATERSTOPS SHALL CONFORM TO THE REQUIREMENTS OF N.Y.S. STANDARD SPECIFICATIONS SUBSECTION 705-11.
- FIELD SPLICES SHOULD BE AVOIDED IF POSSIBLE, HOWEVER, HEAT WELDED BUTT SPLICES WILL BE PERMITTED ON LONG STRAIGHT RUNS (GENERALLY IN EXCESS OF 50 FEET) AT POINTS APPROVED BY THE ENGINEER.
- WATERSTOP SHALL BE SHIPPED IN STRAIGHT SECTIONS HAVING A MINIMUM LENGTH OF 10 FEET UNLESS SHORTER LENGTHS ARE REQUIRED.
- THE COST OF FURNISHING AND PLACING WATERSTOPS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONCRETE ITEMS.



CHAMFER DETAIL
NOT TO SCALE

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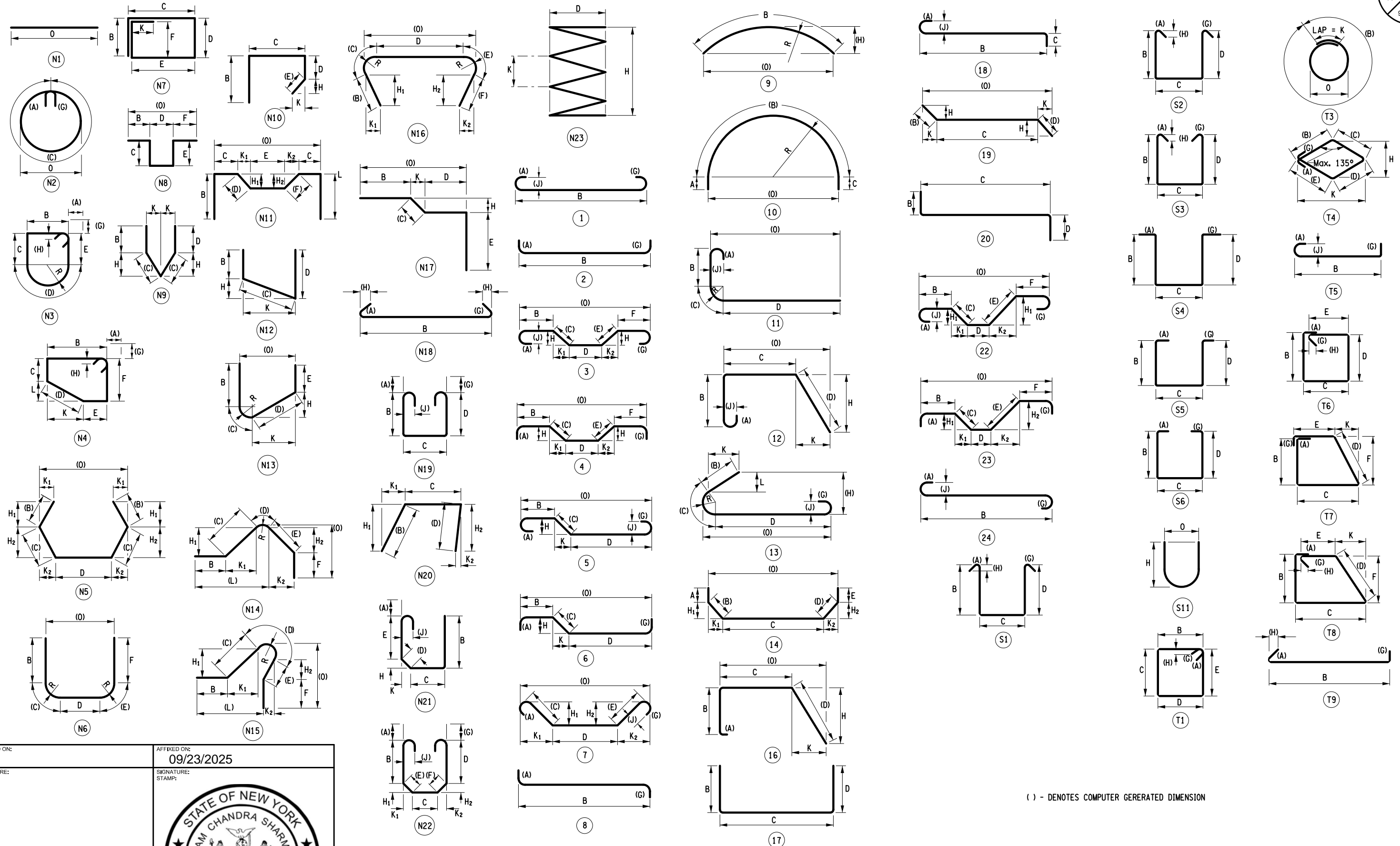
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REVISIONS			
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	TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 09/17/2025
	TITLE OF DRAWING MISCELLANEOUS DETAILS	DRAWING NUMBER: ST-41

PW:/
 CHECKED BY: A.REGUNTA
 DRAFTED BY: J.BOLGER
 CHECKED BY: A.REGUNTA
 DESIGNED BY: J.BOLGER
 DESIGN SUPERVISOR: R.SHARMA



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09/23/2025

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT:
REPLACEMENT OF MALDEN TURNPIKE (CR 34)
BRIDGE OVER I-87

LOCATION OF PROJECT:
ALBANY DIVISION
MP 103.16

TITLE OF DRAWING:
BAR BENDING DIAGRAMS

CONTRACT NUMBER:
TAA-25-27B

DATE:
09/17/2025

DRAWING NUMBER:
ST-42


PW: A.REGUNTA
CHECKED BY: A.REGUNTA
DRAFTED BY: J.BOLGER
CHECKED BY: A.REGUNTA
DESIGNED BY: J.BOLGER
DESIGN SUPERVISOR: R.SHARMA

PIER																					
BAR MARK	SIZE	NO.	LENGTH	TYPE	WEIGHT (LB)	DETAIL DIMENSIONS (FT)														REMARKS	
						A	B	C	D	E	F	G	H / H1	H2	J	K / K1	K2	L	O		R
4PG1	#4	71	7'-0"	17	332		2'-2"	2'-8"	2'-2"												TRANSVERSE REBAR PLACED AT THE TOP FACE OF THE WALL @ 6" SPACING
5PG1	#5	34	32'-6"	N1	1153																LONGITUDINAL REBAR @ 9" (17 AT TOP AND 17 AT BOTTOM) OF THE FOOTING
5PG2	#5	6	13'-2"	T1	83	0'-7"	3'-6"	2'-6"	3'-6"	2'-6"		0'-7"	0'-4"								PEDESTAL HOOP REBAR
6PG1	#6	76	16'-2"	2	1846	1'-0"	15'-2"					0'-0"									LONGER VERTICAL STEM REBAR COMING OUT OF FOOTING
6PG2	#6	76	12'-0"	2	1370	1'-0"	11'-0"					0'-0"									SHORTER VERTICAL STEM REBAR COMING OUT OF FOOTING
6PG3	#6	76	9'-2"	N1	1045															9'-2"	VERTICAL STEAM REBAR LAPPED WITH 6PG1
6PG4	#6	76	13'-4"	N1	1520															13'-4"	VERTICAL STEAM REBAR LAPPED WITH 6PG2
6PG5	#6	46	11'-0"	17	761		4'-2"	2'-8"	4'-2"												HORIZONTAL REBAR PLACED ON THE END FACE OF THE WALL
6PG6	#6	46	31'-6"	N1	2177															31'-6"	HORIZONTAL REBAR PLACED ON THE FRONT AND THE RARE FACE OF THE WALL
6PG7	#6	551	4'-4"	T9	3587	0'-8"	2'-8"					1'-0"	0'-5"								CROSS TIES
6PG8	#6	40	3'-5"	17	204		1'-0"	2'-5"													PEDESTAL VERTICAL REBAR (DIM. "C" IS TAKEN FOR THE PEDESTAL WITH MAXIMUM HEIGHT)
7PG1	#7	34	13'-4"	1	927	0'-11"	11'-6"					0'-11"								0'-9"	TRANSVERSE REBAR @ 12" SPACING, TOP OF THE FOOTING, WITH 180 DEGREE HOOK
8PG1	#8	7	34'-2"	N1	639															34'-2"	LONGITUDINAL REBAR PLACED AT THE TOP FACE OF THE WALL @ 6" SPACING
9PG1	#9	34	14'-0"	1	1619	1'-3"	11'-6"					1'-3"								1'-0"	TRANSVERSE REBAR @ 12" SPACING, BOTTOM OF THE FOOTING, WITH 180 DEGREE HOOK
SUBTOTAL GALVANIZED BARS					17263	LB	SUBTOTAL GALVANIZED BARS (COST INCLUDED UNDER ITEM 556.0203)														

BRIDGE DECK																					
BAR MARK	SIZE	NO.	LENGTH	TYPE	WEIGHT (LB)	DETAIL DIMENSIONS (FT)														REMARKS	
						A	B	C	D	E	F	G	H / H1	H2	J	K / K1	K2	L	O		R
4DG1	#4	345	34'-8"	N1	7990															34'-8"	BOTTOM TRAN. BAR (LONG) @ 8" SPACING
4DG2	#4	345	20'-10"	1	4802	0'-6"	20'-4"						0'-4"								TOP TRAN. HOOKED BAR (LONG) @ 8" SPACING
4DG3	#4	345	17'-1"	1	3938	0'-6"	16'-7"						0'-4"								TOP TRAN. HOOKED BAR (SHORT) @ 8" SPACING
4DG4	#4	636	40'-0"	N1	16994															40'-0"	LONGITUDINAL BAR @ 8" SPACING
4DG5	#4	106	2'-9"	N1	195															2'-9"	LONGITUDINAL BAR @ 8" SPACING
4DG6	#4	4	3'-5"	12	10			1'-6"	1'-11"												EXTRA BAR AT CORNER OF DECK SLAB (BOT.)
5DG1	#5	72	40'-0"	N1	3004															40'-0"	LONGITUDINAL BAR UNDER BARRIER
5DG2	#5	12	3'-2"	N1	40															3'-2"	LONGITUDINAL BAR UNDER BARRIER
6DG1	#6	162	38'-5"	N1	9347															38'-5"	EXTRA NEGATIVE REINFORCEMENT BARS (AT PIER) @ 8" SPACING
6DG2	#6	53	26'-4"	17	2097		2'-3"	24'-1"													EXTRA NEGATIVE REINFORCEMENT BARS (AT ABUTMENT) @ 8" SPACING
6DG3	#6	53	29'-4"	17	2336		2'-3"	27'-1"													EXTRA NEGATIVE REINFORCEMENT BARS (AT ABUTMENT) @ 8" SPACING
7DG1	#7	684	10'-11"	1	15234	0'-11"	10'-0"						0'-9"								EXTRA HOOKED BAR IN TOP OF SLAB FOR OVERHANG @ 8" SPACING
SUBTOTAL GALVANIZED BARS					65978	LB															



SINGLE SLOPE CONCRETE BARRIER																					
BAR MARK	SIZE	NO.	LENGTH	TYPE	WEIGHT (LB)	DETAIL DIMENSIONS (FT)														REMARKS	
						A	B	C	D	E	F	G	H / H1	H2	J	K / K1	K2	L	O		R
5BG1	#5	684	3'-3"	N1	2319															3'-3"	BAR FROM DECK INTO BACK FACE OF BARRIER (SECTION B-B & C-C) @ 8" SPACING
5BG2	#5	598	6'-11"	13	4302		2'-11"	0'-9"	2'-10"											0'-3"	U-BAR IN FULL BARRIER SECTION (SECTION C-C) @ 8" SPACING
5BG3	#5	60	6'-11"	13	431		2'-11"	0'-9"	2'-10"											0'-3"	U-BAR IN BARRIER TRANSITION SECTION (SECTION B-B) @ 8" SPACING
5BG4	#5	48	3'-12"	S11	199							1'-10"								0'-6"	HAIRPIN BAR EXTENDING OUT OF DECK (SECTION A-A) @ 6" SPACING
5BG5	#5	48	5'-2"	S11	257							2'-5"								0'-6"	HAIRPIN BAR IN BARRIER END SECTION (SECTION A-A) @ 6" SPACING
6BG1	#6	598	4'-1"	N12	3687		3'-1"					1'-0"									BAR FROM DECK OR APPROACH INTO FRONT FACE OF BARRIER FULL SECTION (SECTION C-C) @ 8" SPACING
6BG2	#6	60	4'-1"	N12	370		3'-1"					1'-0"									BAR FROM DECK OR APPROACH INTO FRONT FACE OF BARRIER TRANSITION SECTION (SECTION B-B) @ 8" SPACING
6BG3	#6	48	4'-1"	14	294		2'-0"	1'-1"	1'-0"			1'-5"	0'-9"	1'-5"	0'-8"						BAR FROM DECK OR APPROACH INTO FRONT FACE OF BARRIER END SECTION (SECTION A-A) @ 6" SPACING
7BG1	#7	144	40'-0"	N1	11774															40'-0"	LONGITUDINAL BAR IN BARRIER (ALL SECTIONS)
7BG2	#7	24	3'-3"	N1	160															3'-3"	LONGITUDINAL BAR IN BARRIER (ALL SECTIONS)
SUBTOTAL GALVANIZED BARS					23793	LB															

APPROACH SLAB																					
BAR MARK	SIZE	NO.	LENGTH	TYPE	WEIGHT (LB)	DETAIL DIMENSIONS (FT)														REMARKS	
						A	B	C	D	E	F	G	H / H1	H2	J	K / K1	K2	L	O		R
5AG1	#5	68	31'-2"	N1	2211															31'-2"	TOP & BOTTOM TRAN. BAR @ 12" SPACING
5AG2	#5	188	16'-6"	N1	3236															16'-6"	TOP & BOTTOM LONG. BAR @ 8" SPACING
SUBTOTAL GALVANIZED BARS					5447	LB															

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT REPLACEMENT OF MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
TITLE OF DRAWING BAR LIST (1 OF 2)		DRAWING NUMBER: ST-43

PW/ CHECKED BY: A.REGUNTA DRAFTED BY: J.BOLGER CHECKED BY: A.REGUNTA DESIGNED BY: J.BOLGER DESIGN SUPERVISOR: R.SHARMA

SLEEPER																						
BAR MARK	SIZE	NO.	LENGTH	TYPE	WEIGHT (LB)	DETAIL DIMENSIONS (FT)															REMARKS	
						A	B	C	D	E	F	G	H / H1	H2	J	K / K1	K2	L	O	R		
5SG1	#5	128	5'-6"	N1	735																5'-6"	TOP & BOTTOM LONG. BAR IN LOWER SLEEPER SLAB @ 12" SPACING
5SG2	#5	20	31'-2"	N1	651																31'-2"	ALL TRAN. BARS IN TOP & BOTTOM SLEEPER SLABS
5SG3	#5	64	4'-10"	17	323																	U-BAR CONNECTION TOP & BOTTOM SLEEPER SLABS @ 12" SPACING
SUBTOTAL GALVANIZED BARS					1709	LB	SUBTOTAL GALVANIZED BAR (COST INCLUDED UNDER ITEM 556.0203)															
BEGIN ABUTMENT																						
BAR MARK	SIZE	NO.	LENGTH	TYPE	WEIGHT (LB)	DETAIL DIMENSIONS (FT)															REMARKS	
						A	B	C	D	E	F	G	H / H1	H2	J	K / K1	K2	L	O	R		
5BAG1	#5	2	40'-0"	N1	84																40'-0"	BOTTOM HORIZONTAL OF LOWER POUR
5BAG2	#5	2	18'-6"	N1	39																18'-6"	BOTTOM HORIZONTAL OF LOWER POUR
5BAG3	#5	8	5'-0"	17	42			1'-2"	2'-8"	1'-2"												U-BARS AT THE TOP ENDS OF LOWER & UPPER POUR
5BAG4	#5	113	5'-0"	17	590			1'-2"	2'-8"	1'-2"												U-BARS AT ENDS OF LOWER & UPPER POUR
5BAG5	#5	4	7'-10"	N1	33																7'-10"	LOWER POUR VERTICAL BARS AT END OF WINGWALL EXTENDING INTO UPPER POUR
5BAG6	#5	70	6'-10"	17	499			2'-1"	2'-8"	2'-1"												U-BARS AT THE TOP OF THE UPPER POUR AT ABUTMENT
5BAG7	#5	42	5'-0"	17	220			1'-2"	2'-8"	1'-2"												U-BARS AT THE TOP OF THE UPPER POUR AT WINGWALLS
5BAG8	#5	6	11'-5"	12	72				0'-7"	0'-10"			4'-6"							9'-10"		HORIZONTAL BARS AT TOP OF WINGWALLS
5BAG9	#5	2	5'-0"	17	11			1'-2"	2'-8"	1'-2"												U-BARS AT TIP OF WINGWALLS
5BAG10	#5	36	5'-5"	17	202			2'-5"	3'-0"													90 DEGREE BAR EXTENDING FROM FRONT FACE OF ABUTMENT TO LAP WITH BOT. MAT OF DECK
5BAG11	#5	24	3'-2"	1	80		0'-7"	2'-0"					0'-7"									HOKED BAR FROM UPPER POUR INTO APPROACH SLAB
6BAG1	#6	14	30'-6"	N1	642																30'-6"	HORIZONTAL BARS IN FRONT & REAR FACE OF LOWER POUR
6BAG2	#6	14	28'-5"	N1	598																28'-5"	HORIZONTAL BARS IN FRONT & REAR FACE OF LOWER POUR
6BAG3	#6	14	19'-7"	N1	412																19'-7"	HORIZONTAL BARS IN FRONT & REAR FACE OF UPPER POUR (MAX. 19'-7", MIN 14'-3")
6BAG4	#6	14	39'-4"	N1	828																39'-4"	HORIZONTAL BARS IN FRONT & REAR FACE OF UPPER POUR (MAX. 39'-4", MIN 32'-11")
6BAG5	#6	8	7'-3"	N1	88																7'-3"	HORIZONTAL BARS IN FRONT UPPER POUR BETWEEN GIRDERS
6BAG6	#6	4	12'-0"	N1	73																12'-0"	HORIZONTAL BARS IN FRONT UPPER POUR FROM FASCIA GIRDER TO TIP OF WINGWALL (MAX. 12'-0", MIN 8'-11")
6BAG7	#6	4	2'-10"	N1	18																2'-10"	HORIZONTAL BARS IN FRONT & REAR FACE OF UPPER POUR AT TOPS OF WINGWALL
8BAG1	#8	14	17'-5"	N1	652																17'-5"	HORIZONTAL BARS IN REAR FACE OF LOWER POUR
8BAG2	#8	10	16'-4"	N1	437																16'-4"	ADDITIONAL HORIZONTAL BARS IN REAR FACE OF LOWER POUR
8BAG3	#8	70	11'-0"	17	2056			8'-4"	2'-8"													VERTICAL BARS IN FRONT & REAR FACE OF ABUTMENTS (LENGTH VARIES) (MAX. 11'-2", MIN 10'-11")
8BAG4	#8	42	10'-2"	17	1142			7'-6"	2'-8"													VERTICAL BARS IN FRONT & REAR FACE OF WINGWALLS (LENGTH VARIES) (MAX. 12'-5", MIN 7'-11")
8BAG5	#8	32	5'-0"	17	428			1'-2"	2'-8"	1'-2"												ADDITIONAL HOKED BARS NEXT TO PILES
SUBTOTAL GALVANIZED BARS					9254	LB	SUBTOTAL GALVANIZED BAR (COST INCLUDED UNDER ITEM 556.0203)															
END ABUTMENT																						
BAR MARK	SIZE	NO.	LENGTH	TYPE	WEIGHT (LB)	DETAIL DIMENSIONS (FT)															REMARKS	
						A	B	C	D	E	F	G	H / H1	H2	J	K / K1	K2	L	O	R		
5EAG1	#5	2	40'-0"	N1	84																40'-0"	BOTTOM HORIZONTAL OF LOWER POUR
5EAG2	#5	2	18'-6"	N1	39																18'-6"	BOTTOM HORIZONTAL OF LOWER POUR
5EAG3	#5	8	5'-0"	17	42			1'-2"	2'-8"	1'-2"												U-BARS AT ENDS OF LOWER & UPPER POUR
5EAG4	#5	113	5'-0"	17	590			1'-2"	2'-8"	1'-2"												U-BARS AT THE TOP OF THE LOWER POUR
5EAG5	#5	4	7'-10"	N1	33																7'-10"	LOWER POUR VERTICAL BARS AT END OF WINGWALL EXTENDING INTO UPPER POUR
5EAG6	#5	70	6'-10"	17	499			2'-1"	2'-8"	2'-1"												U-BARS AT THE TOP OF THE UPPER POUR AT ABUTMENT
5EAG7	#5	42	5'-0"	17	220			1'-2"	2'-8"	1'-2"												U-BARS AT THE TOP OF THE UPPER POUR AT WINGWALLS
5EAG8	#5	6	11'-5"	12	72				0'-7"	0'-10"			4'-6"							9'-10"		HORIZONTAL BARS AT TOP OF WINGWALLS
5EAG9	#5	2	5'-0"	17	11			1'-2"	2'-8"	1'-2"												U-BARS AT TIP OF WINGWALLS
5EAG10	#5	36	5'-5"	17	202			2'-5"	3'-0"													90 DEGREE BAR EXTENDING FROM FRONT FACE OF ABUTMENT TO LAP WITH BOT. MAT OF DECK
5EAG11	#5	24	3'-2"	1	80		0'-7"	2'-0"					0'-7"									HOKED BAR FROM UPPER POUR INTO APPROACH SLAB
6EAG1	#6	14	30'-6"	N1	642																30'-6"	HORIZONTAL BARS IN LOWER POUR
6EAG2	#6	14	28'-5"	N1	598																28'-5"	HORIZONTAL BARS IN FRONT FACE OF LOWER POUR
6EAG3	#6	14	19'-7"	N1	412																19'-7"	HORIZONTAL BARS IN FRONT FACE OF UPPER POUR (MAX. 19'-7", MIN 14'-3")
6EAG4	#6	14	39'-4"	N1	828																39'-4"	HORIZONTAL BARS IN FRONT FACE OF UPPER POUR (MAX. 39'-4", MIN 32'-11")
6EAG5	#6	8	7'-3"	N1	88																7'-3"	HORIZONTAL BARS IN FRONT UPPER POUR BETWEEN GIRDERS
6EAG6	#6	4	12'-0"	N1	73																12'-0"	HORIZONTAL BARS IN FRONT UPPER POUR FROM FASCIA GIRDER TO TIP OF WINGWALL (MAX. 12'-0", MIN 8'-11")
6EAG7	#6	4	2'-10"	N1	18																2'-10"	HORIZONTAL BARS IN FRONT FACE OF UPPER POUR AT TOPS OF WINGWALL
8EAG1	#8	14	17'-5"	N1	652																17'-5"	HORIZONTAL BARS IN REAR FACE OF LOWER POUR
8EAG2	#8	10	16'-4"	N1	437																16'-4"	ADDITIONAL HORIZONTAL BARS IN REAR FACE OF LOWER POUR
8EAG3	#8	70	10'-4"	17	1932			7'-8"	2'-8"													VERTICAL BARS IN FRONT & REAR FACE OF ABUTMENTS (LENGTH VARIES) (MAX. 10'-6", MIN 10'-2")
8EAG4	#8	42	9'-9"	17	1094			7'-1"	2'-8"													VERTICAL BARS IN FRONT & REAR FACE OF WINGWALLS (LENGTH VARIES) (MAX. 11'-9", MIN 7'-10")
8EAG5	#8	32	5'-0"	17	428			1'-2"	2'-8"	1'-2"												ADDITIONAL HOKED BARS NEXT TO PILES
SUBTOTAL GALVANIZED BARS					9071	LB	SUBTOTAL GALVANIZED BAR (COST INCLUDED UNDER ITEM 556.0203)															

ALTERED ON:	AFFIXED ON: 10/02/2025
SIGNATURE: STAMP:	SIGNATURE: STAMP:

STATE OF NEW YORK
RAM CHANDRA SHARMA
LICENSED PROFESSIONAL ENGINEER
095980

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 MALDEN TURNPIKE (CR 34) BRIDGE OVER I-87	CONTRACT NUMBER: TAA-25-27B
	LOCATION OF PROJECT ALBANY DIVISION MP 103.16	DATE: 10/02/2025
	TITLE OF DRAWING BAR LIST (2 OF 2)	DRAWING NUMBER: ST-44