



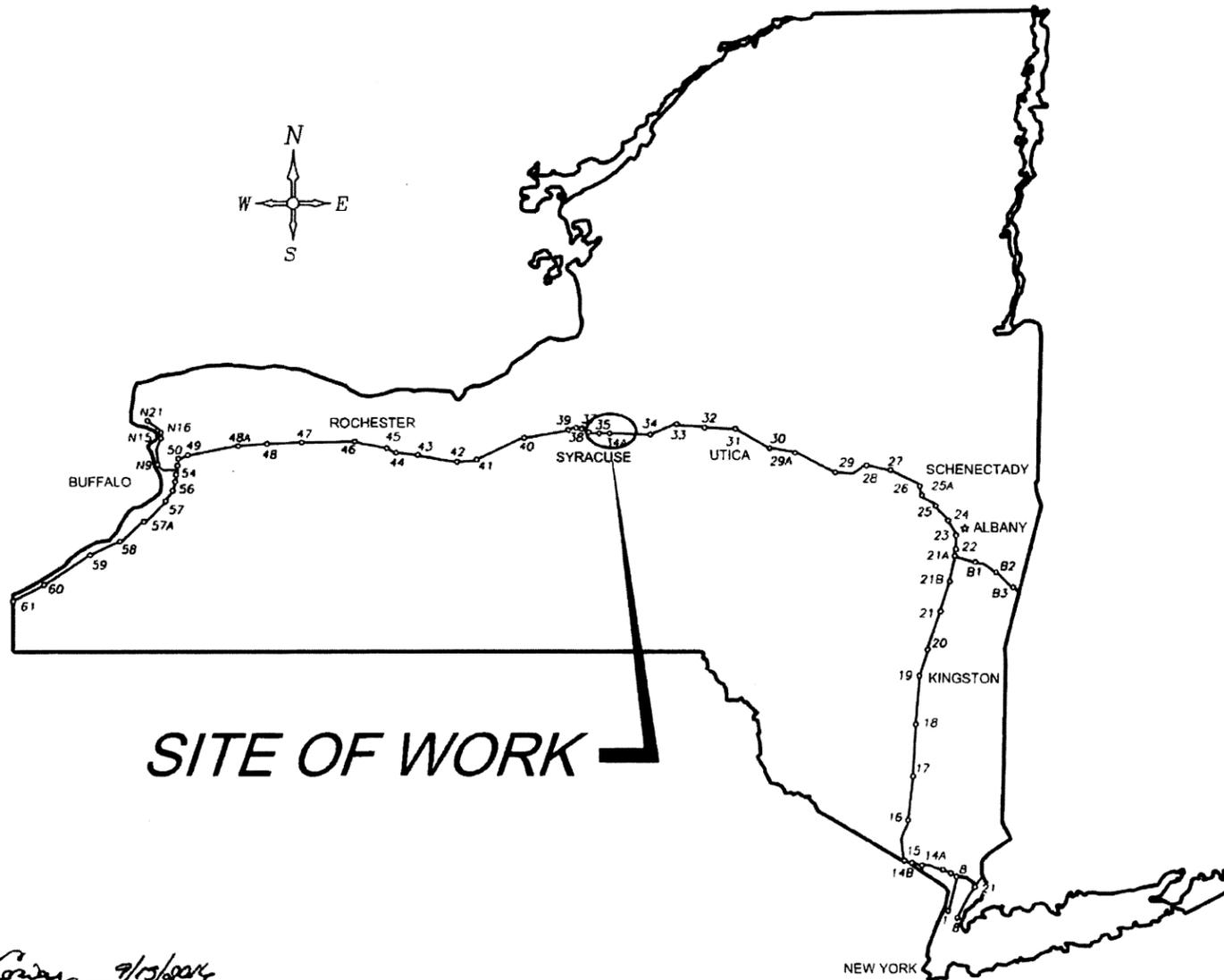
SYRACUSE DIVISION
PLANS FOR
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS
AND MISCELLANEOUS WORK
BETWEEN
MILEPOST 262.0 AND 279.3
IN
MADISON AND ONONDAGA COUNTIES

TAS 16-31 D214448
83 SHEETS

TYPE OF CONSTRUCTION:
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS AND MISCELLANEOUS WORK

STANDARD SHEETS:
THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY NYS DOT, 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 GN-1

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



DIG SAFELY NEW YORK
UNDERGROUND FACILITIES PROTECTION ORGANIZATION
CALL 811

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

CONTRACTOR'S NAME	
AWARD DATE:	
COMPLETION DATE:	
FINAL ACCEPTANCE DATE:	
INSPECTION FIRM'S NAME	
RESIDENT ENG./EIC:	
FINAL COST TOTAL:	
FISCAL SHARE	CDST(S)
INSPECTION FIRM CONSULTANT STAMP:	

RECOMMENDED BY: *[Signature]* 9/15/2016
DIRECTOR OFFICE OF DESIGN DATE

RECOMMENDED BY: *[Signature]* 6/15/16
DIVISION DIRECTOR DATE

RECOMMENDED BY: *[Signature]* 9/15/16
TRAFFIC ENGINEER DATE

RECOMMENDED BY: *[Signature]* 9/19/16
DIRECTOR OFFICE OF CONSTRUCTION MANAGEMENT DATE

RECOMMENDED BY: *[Signature]* 9/19/16
DIRECTOR OF MAINTENANCE AND OPERATIONS DATE

APPROVED BY: *[Signature]* 9/19/16
CHIEF ENGINEER DATE

CHECKED BY: TA
 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA

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

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

INDEX		TOTAL NUMBER OF SHEETS 83
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
1	TITLE SHEET	COVER
2	INDEX AND ABBREVIATIONS	INDEX
3-4	LINE AND POINT SYMBOLOLOGY	LEG-1 & LEG-2
5	TYPICAL SECTIONS	TS-1
6	GENERAL NOTES	GN-1
7	LOCATION PLAN	LP-1
8	FULL DEPTH REPAIR LOCATIONS	FDR-1
9	PAVEMENT REPAIR DETAILS	PRD-1
10	TREE REMOVAL/CLEARING AND GRUBBING	CG-1
11-14	TABLE OF GUIDE RAIL AND MARKER QUANTITIES	GRT-1 TO GRT-4
15	GUIDE RAIL DETAIL	GRD-1
16-23	MISCELLANEOUS DETAILS	MSD-1 TO MSD-8
24	EROSION AND SEDIMENTATION CONTROL NOTES	ESN-1
25-54	GENERAL PLAN	PL-1 TO PL-30
55-57	WRONG WAY DETERRENCE SIGNS	WWDS-1 TO WWDS-3
58-59	INTERCHANGE 35 TRAFFIC CONTROL	TC351 & TC35-2
60-62	CENTER PIER PROTECTION	PP-1 TO PP-3
63-81	WORK ZONE TRAFFIC CONTROL PLANS	(19 SHEETS)
82-83	ESTIMATE OF QUANTITIES	EQQ-1 TO EQQ-2

WORK TO BE DONE

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

- ESTABLISH WORK ZONE TRAFFIC CONTROL AS INDICATED IN THE CONTRACT DOCUMENTS AND AS ORDERED BY THE ENGINEER.
- PERFORM FULL DEPTH MEDIAN SHOULDER REPLACEMENT BETWEEN MP 273.0 AND 273.3. THIS WORK SHALL BE COMPLETED BY APRIL 21, 2017.
- PERFORM FULL AND PARTIAL DEPTH PAVEMENT REPAIRS AS INDICATED IN THE CONTRACT DOCUMENTS AND AS ORDERED BY THE ENGINEER BETWEEN MP 262.0 AND 279.3 INCLUDING INTERCHANGE 34A AND 35 RAMPS.
- COLD MILL AND RESURFACE EXISTING ASPHALT PAVEMENT ON THE TRAVEL LANES ONLY BETWEEN MP 262 AND MP 268. COLD MILL AND RESURFACE THE TRAVEL LANES AND SHOULDERS BETWEEN MP 268 AND MP 279.3, INCLUDING INTERCHANGE 34A AND 35 ACCELERATION AND DECELERATION LANES AND RAMPS AS SHOWN ON PLANS.
- INSTALL/REPLACE TEMPORARY AND PERMANENT PAVEMENT MARKINGS REMOVED BY PAVEMENT RESURFACING.
- REPLACE STAR SHOULDER TREATMENTS REMOVED BY PAVEMENT RESURFACING.
- REPLACE, INSTALL, AND MODIFY GUIDE RAIL/BARRIER AT VARIOUS LOCATIONS.
- REPLACE TRAFFIC MONITORING DETECTOR LOOPS AT FOUR LOCATIONS.
- INSTALL WRONG WAY DETERRENCE SIGNS.
- INSTALL EROSION AND SEDIMENT CONTROL DEVICES IN ACCORDANCE WITH THE PROJECT PERMITS, AS SHOWN IN THE PLANS, AND AS ORDERED BY THE ENGINEER.
- FLATTEN EMBANKMENT SLOPES AND CLEAN/REGRADE DITCHES.
- CLEAR AND GRUB WHERE SHOWN IN THE PLANS AND AS ORDERED BY THE ENGINEER.
- SEED AND MULCH AS INDICATED IN THE CONTRACT DOCUMENTS AND AS REQUIRED BY PROJECT PERMITS.
- REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES UPON STABILIZATION OF ALL DISTURBED AREAS.
- PERFORM MISCELLANEOUS WORK AS REQUIRED.

REVISIONS			
DATE	DESCRIPTION	BY	SYM



NEW YORK STATE THRUWAY AUTHORITY
 DEPARTMENT OF ENGINEERING
 200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
 LOCATION OF PROJECT
**SYRACUSE DIVISION
 MP 262.0 - MP 279.3**
 TITLE OF DRAWING
INDEX AND ABBREVIATIONS

CONTRACT NUMBER:
TAS 16-31
 DATE:
8/15
 DRAWING NUMBER:
INDEX

CHECKED BY: TA
 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA

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	STYLE	NAME	DESCRIPTION
CONTROL				LFILL.P	FILL LIMIT		RGP.P	GUIDE POST		UC	CONDUIT, UNDERGROUND
	CB	BASELINE		LFNC	FENCE		RGW	GUIDE RAIL, W BEAM		UCH	CONDUIT, HANGING
	CBPR	BASELINE, PROJECTION		LTRC	TREE ROW, CONIFEROUS		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UCO	CONDUIT, OVERHEAD
DRAINAGE				LTRD	TREE ROW, DECIDUOUS		RPB	PARKING BUMPER		UE	ELECTRIC LINE, UNDERGROUND
	DCP	CULVERT PIPE		LWH	WALL, H PILE		RRC	RAIL ROAD, CATENARY		UEH	ELECTRIC LINE, HANGING
	DCP.P	CULVERT PIPE (DIR)		LWR	WALL, RETAINING		RRER	RAIL ROAD, 3RD RAIL		UEO	ELECTRIC LINE, OVERHEAD
	DDG.P	DITCH, GRASS LINED		LWS	WALL, STONE		RRPLS.P	RAIL, PHOTO, LARGE SCALE		UETO	ELECTRIC TRANSMISSION, OVERHEAD
	DDP.P	DITCH, PAVED INVERT	ROW MAPPING				RRRER	RAIL, PHOTO, SMALL SCALE		UESS	ELECTRIC, SUBSTATIONS
	DDS.P	DITCH, STONE LINED		MDL	DEED LINE		RRPSS	RAIL, PHOTO, SMALL SCALE		UFO	FIBER OPTIC, UNDERGROUND
	DFL.P	FLOW LINE		MEE	EASEMENT, EXISTING		RRS	RUMBLE STRIP		UFOH	FIBER OPTIC, HANGING
	DSSD	SLOTTED DRAIN		MEP.P	EASEMENT, PERMANENT		RRSLS.P	RAIL, SURVEY, LARGE SCALE		UFOO	FIBER OPTIC, OVERHEAD
	DUD.P	UNDERDRAIN		MEPA.P	EASEMENT, PERMANENT, APPROX.		RRSSS	RAIL, SURVEY, SMALL SCALE		UG	GAS, UNDERGROUND
ENVIRONMENTAL				MET.P	EASEMENT, TEMPORARY	SIGNS				UGH	GAS, HANGING
	EBLHS	BALE, STRAW		META.P	EASEMENT, TEMPORARY, APPROX.		SBLB	BILLBOARDS		UGO	GAS, OVERHEAD
	ECT	CURTAIN, TURBIDITY		MFA.P	FEE ACQUISITION, W/ ACCESS		SM	MULTIPLE POST		UIC	INFORM CABLE, UNDERGROUND
	EDMC	DAM, COFFER		MFA.P	FEE ACQUISITION, APPROXIMATE		SSO	STRUCTURE, OVERHEAD		UICH	INFORM CABLE, HANGING
	EDMEC.P	DAM, EARTHEN CHECK		MFS.P	FEE ACQUISITION, SHAPE		SSOC	STRUCTURE, OVHD. CANTILEVER		UO	OIL LINE, UNDERGROUND
	EDMGSC.P	DAM, GRAVEL BAG/SAND BAG CHECK		MFWOA.P	FEE ACQUISITION, W/O ACCESS	STRIPING				UOH	OIL LINE, HANGING
	EDMPC.P	DAM, PREFABRICATED CHECK		MHA	HISTORICAL, ACQUISITION		STB•	BROKEN LINE		UPBP	POLE, BRACE, PUSH BRACE
	EDMSC.P	DAM, STONE CHECK		MHB	HIGHWAY BOUNDARY		STDB•	DOUBLE BROKEN LINE		UPGW	POLE, GUY WIRE
	EFNS	FENCE, SILT		MHBA	HIGHWAY BOUNDARY, APPROX.		STDL•	DOTTED LINE LONG		USA	SANITARY SEWER, UNDERGROUND
	EFNSV	FENCE, SILT & VEGETATION		MHBW	HWY BOUNDARY, FACE OF WALL		STDS•	DOTTED LINE SHORT		USAH	SANITARY SEWER, HANGING
	EFNV	FENCE, VEGETATION		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STFB•	FULL BARRIER LINE		USAF	SANITARY SEWER, FORCE MAIN, UGND
	EWAA.P	WETLAND, ADJACENT AREA		MJC	JURISDICTION, CITY		STH•	HATCH LINE		USAFH	SANITARY SEWER, FORCE MAIN, HANG
	EFWS	WETLAND, FEDERAL		MJCY	JURISDICTION, COUNTY		STPB•	PARTIAL BARRIER LINE		UT	TELEPHONE, UNDERGROUND
	EFWS	WETLAND, FEDERAL AND STATE		MJHD	JURISDICTION, HISTORIC DISTRICT		STRCT	ROUNDABOUT, CAT TRACKS		UTH	TELEPHONE, HANGING
	EWM	WETLAND, MITIGATION AREA		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STRYL	ROUNDABOUT, YIELD LINE		UTO	TELEPHONE, OVERHEAD
	EWS	WETLAND, STATE		MJN	JURISDICTION, NATION		STSE•	SOLID BAR		UTV	CABLE TV, UNDERGROUND
	EWS	WETLAND, STATE		MJPB	JURISDICTION, PUBLIC LANDS		STXL•	SOLID, EDGE		UTVH	CABLE TV, HANGING
	EWS	WETLAND, STATE		MJS	JURISDICTION, STATE		STXLB	X WALK, LADDER BAR LINE		UTVO	CABLE TV, OVERHEAD
	EWS	WETLAND, STATE		MJT	JURISDICTION, TOWN		STXL	X WALK, LADDER LINE		UUU	UNKNOWN, UNDERGROUND
	EWS	WETLAND, STATE		MJV	JURISDICTION, VILLAGE		STXL	X WALK, LADDER LINE		UUH	UNKNOWN, HANGING
	EWS	WETLAND, STATE		MPL	PROPERTY LOT LINE		STXL	X WALK, LADDER LINE		UUO	UNKNOWN, OVERHEAD
	EWS	WETLAND, STATE		MPLA	PROPERTY LOT LINE, APPROXIMATE		STXL	X WALK, LADDER LINE		UW	WATER LINE, UNDERGROUND
	EWS	WETLAND, STATE		MSL	SUB LOT LINE		STXL	X WALK, LADDER LINE		UWH	WATER LINE, HANGING
	EWS	WETLAND, STATE		MSL	SUB LOT LINE		STXL	X WALK, LADDER LINE		UWO	WATER LINE, OVERHEAD
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	EWS	WETLAND, STATE		MSL	SUB LOT LINE		STXL	X WALK, LADDER LINE		UWO	WATER LINE, OVERHEAD
	EWS	WETLAND, STATE									

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM



NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
LOCATION OF PROJECT
**SYRACUSE DIVISION
MP 262.0 - MP 279.3**
TITLE OF DRAWING
POINT SYMBOLOGY

CONTRACT NUMBER:
TAS 16-31
DATE:
8/15
DRAWING NUMBER:
LEG-2

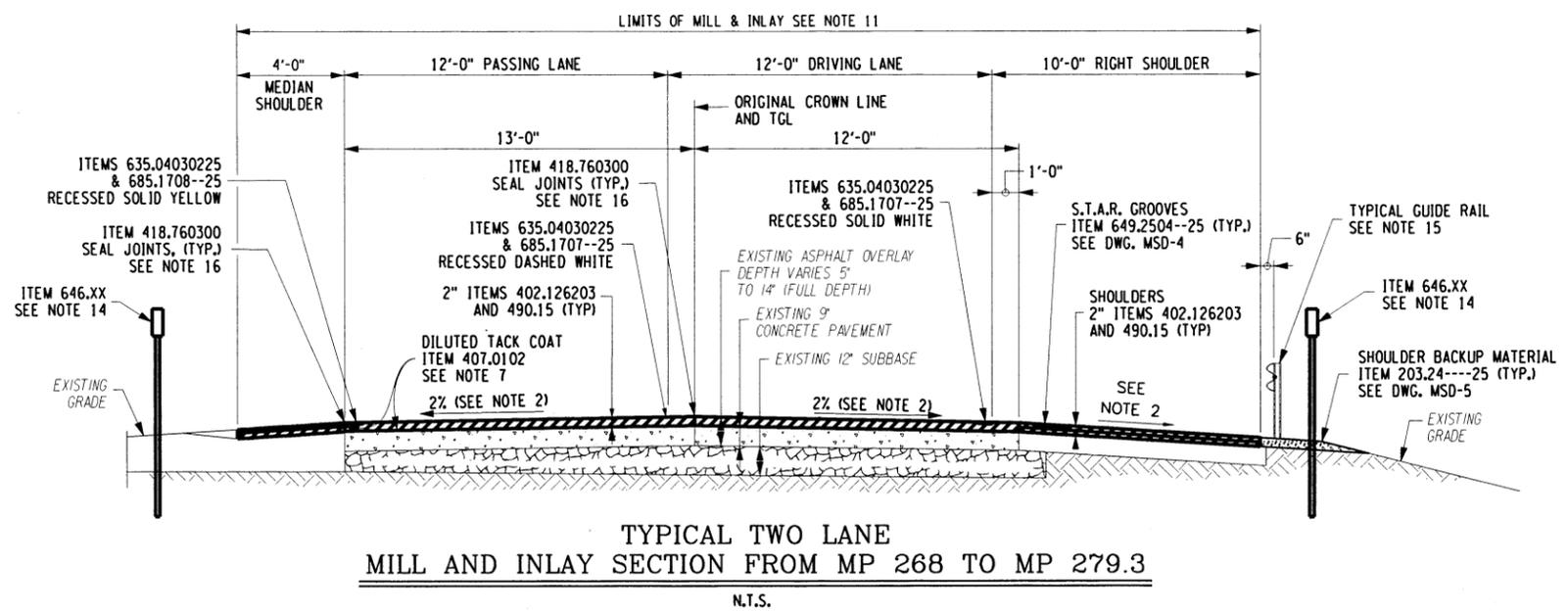
CHECKED BY: TA

DRAFTED BY: TA

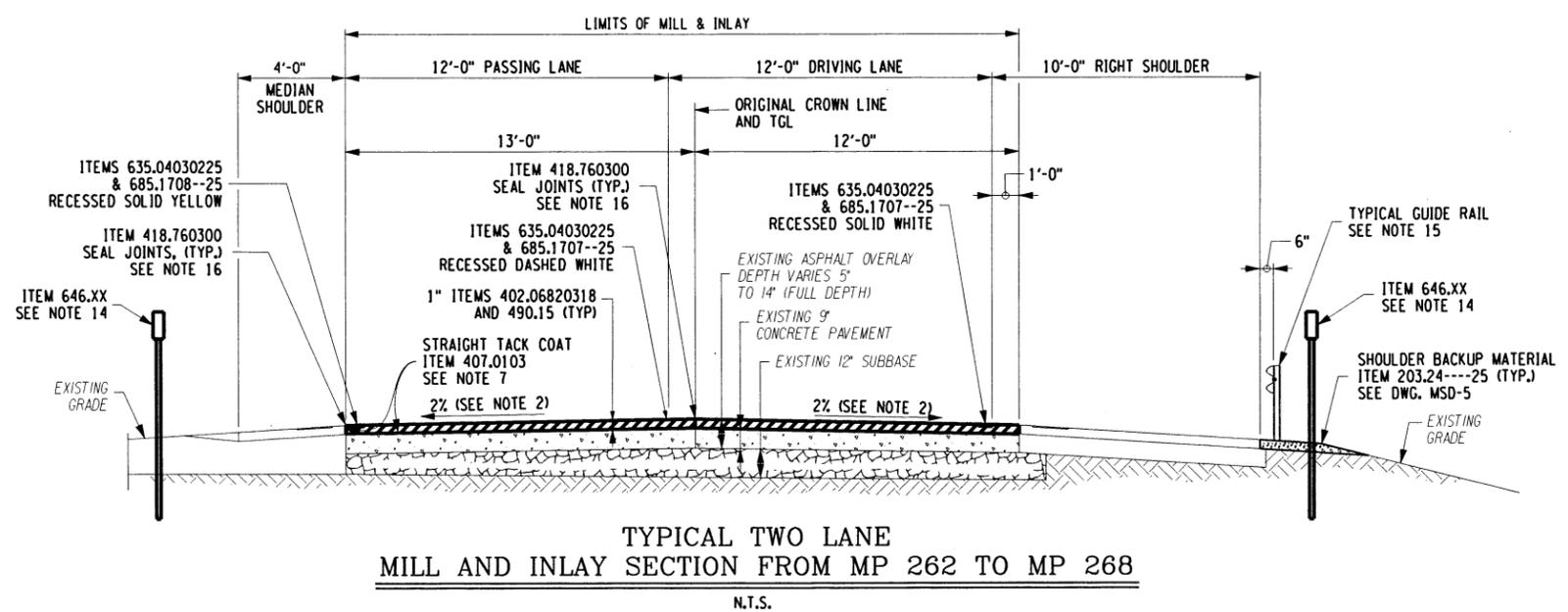
CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



TYPICAL TWO LANE
MILL AND INLAY SECTION FROM MP 268 TO MP 279.3
N.T.S.



TYPICAL TWO LANE
MILL AND INLAY SECTION FROM MP 262 TO MP 268
N.T.S.

DELINEATOR TABLE		
ITEM	DESCRIPTION	QUANTITY
646.0603--25	INSTALL DELINEATOR OR TENTH MILE MARKER ON POST	274
646.0626--25	INSTALL MILE MARKER	22
646.0801--25	INSTALL SNOWPLOW MARKER, SINGLE UNIT	8
646.0802--25	INSTALL SNOWPLOW MARKER, DOUBLE UNIT	20
646.50---25	REMOVAL OF MILE MARKERS, TENTH MILE MARKERS, AND DELINEATORS	324

NOTES:

- MILLING AND RESURFACING OPERATIONS SHALL BE COORDINATED SO THAT NO MILLED PAVEMENT SURFACE SHALL BE OPEN TO TRAFFIC AT ANY TIME.
- CROSS SLOPE VARIES FROM NORMAL CROWN TO FULL SUPERELEVATION (BANKED LEFT AND RIGHT). THE PROPOSED CROSS SLOPE SHALL MATCH THE EXISTING CROSS SLOPE.
- ALL MILLED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR. TEMPORARY OR PERMANENT STOCK PILING OF THESE MATERIALS WILL NOT BE ALLOWED WITHIN THE THRUWAY R.O.W.
- AFTER INITIAL MILLING, THE ENGINEER MAY DETERMINE THAT CERTAIN AREAS REQUIRE A SECOND PASS OF THE MILLING MACHINE EITHER TO REMOVE LOOSE MATERIAL OR TO SCARIFY A SMOOTH SURFACE. THE DEPTH OF THE SECOND MILLING WILL BE DETERMINED BY THE ENGINEER; HOWEVER, THE MAXIMUM DEPTH WILL GENERALLY BE LESS THAN 1/2". THE SECOND MILLING WILL BE PAID FOR UNDER ITEM 490.30, MISCELLANEOUS MILLING OF BITUMINOUS CONCRETE.
- ALL DEBRIS ON MILLED SURFACE SHALL BE REMOVED IN ACCORDANCE WITH SECTION 490.
- THE CONTRACTOR SHALL FILL AND COMPACT ALL VOIDS OR DEPRESSIONS UNDER ITEM 402.126203 AFTER THE MILLING OPERATION AND PRIOR TO THE ASPHALT OVERLAY.
- PLACE TACK COAT ON ALL EXPOSED ASPHALT THAT WILL BE IN CONTACT WITH NEW ASPHALT AND BETWEEN ALL ASPHALT LIFTS. REFER TO STANDARD SPECIFICATION TABLE 407-1 FOR TACK COAT APPLICATION RATES.
- THE CONTRACTOR SHALL MILL AND INLAY THE DRIVING LANE FIRST. TYPICAL SECTIONS ARE SHOWN IN THE DIRECTION OF TRAVEL. EASTBOUND AND WESTBOUND DIRECTIONS ARE SIMILAR.
- TEMPORARY PAVEMENT MARKINGS SHALL BE REQUIRED WHEN PERMANENT SKIP AND/OR EDGE LINES ARE REMOVED AND SHALL BE INSTALLED PRIOR TO OPENING ROADWAY TO TWO-LANE TRAFFIC. PAY FOR UNDER ITEM 619.0901. SEE DWG. PM-T FOR DETAILS.
- REPLACE ALL STRIPING THAT HAS BEEN REMOVED BY MILLING OPERATIONS, SEE DWG. PMA-1 FOR PAVEMENT STRIPING DETAILS. THE COST SHALL BE INCLUDED IN ITEMS 635.04030225, 685.1106--25, 685.1206--25, 685.1707--25 AND 685.1708--25.
- SHOULDER PAVEMENT FROM MP 268 TO MP 279.3 SHALL RECEIVE THE SAME MILL AND FILL TREATMENT AS THE ADJACENT TRAVEL LANES.
- THE CONTRACTOR SHALL REPAIR SHOULDERS WHICH ARE DAMAGE DURING MILL AND FILL OPERATION, TO BE PAID FOR UNDER EXISTING CONTRACT ITEMS.
- REPLACE SHOULDER TREATMENT FOR ACCIDENT REDUCTION (STAR) GROOVES WHERE REMOVED BY REPAIR AND MILL/FULL OPERATIONS, PAID UNDER ITEM 649.2504--25. SEE DETAILS ON DWG MSD-4.
- REPLACE DELINEATORS AS REQUIRED. SEE DWGS. DMM-1 AND DMM-2 FOR DETAILS.
- FOR GUIDE RAIL PLACEMENT LOCATIONS, SEE DWG GRT-1 TO GRT-4.
- ALL FINAL COLD LONGITUDINAL JOINTS SHALL BE SEALED WITH JOINT ADHESIVE, ITEM 402.76030018. ADHESIVE NOT REQUIRED IF TRAVEL LANE AND SHOULDER ARE PAVED SIMULTANEOUSLY.

ITEM	DESCRIPTION	UNIT
203.24---25	SHOULDER BACKUP MATERIAL	TON
402.06820318	6.3 F2 POLYMER MOD HMA, 80 SERIES COMPACTION	TON
402.126203	12.5-F2, TOP COURSE HMA 60 SERIES COMPACTION	TON
407.0103	STRAIGHT TACK COAT	LF
418.760300	ASPHALT PAVEMENT JOINT ADHESIVE	SY
490.15	PRODUCTION COLD MILL SURFACE PLANING OF BITUMINOUS CONCRETE	GAL
619.0901	TEMPORARY PAVEMENT MARKING STRIPES (TRAFFIC PAINT)	LF
635.04030225	RECESS GRINDING FOR INLAID PAVEMENT MARKINGS	LF
649.2504--25	SHOULDER TREATMENT FOR ACCIDENT REDUCTION (STAR)	LF
685.1707--25	WHITE HR TRIPLE DROP EPOXY PAVEMENT STRIPES 6" x 20 MILS	LF
685.1708--25	YELLOW HR TRIPLE DROP EPOXY PAVEMENT STRIPES 6" x 20 MILS	LF

ALTERED ON: _____ AFFIXED ON: 9-14-2016

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.

NEW YORK STATE OF OPPORTUNITY

Thruway Authority Canal Corporation

TITLE OF PROJECT: 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
 LOCATION OF PROJECT: SYRACUSE DIVISION, MP 262.0 - MP 279.3
 TITLE OF DRAWING: TYPICAL SECTIONS

CONTRACT NUMBER: TAS 16-31
 DATE: 3/22/16
 DRAWING NUMBER: TS-1

GENERAL NOTES

1. MATERIAL AND CONSTRUCTION SPECIFICATIONS: NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (US CUSTOMARY UNITS), DATED AS SHOWN ON THE FRONT COVER OF THE PROPOSAL EXCEPT AS MODIFIED IN THESE PLANS AND THE PROPOSAL.
2. THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE WORK WITH OTHER CONTRACTORS AND AUTHORITY MAINTENANCE FORCES AND SHALL SCHEDULE ITS OPERATIONS SO AS TO CAUSE MINIMUM DISRUPTION TO TRAFFIC.
3. RECORD PLANS: RECORD PLANS COVERING PREVIOUS WORK WILL BE AVAILABLE ON THE THRUWAY WEBSITE PRIOR TO THE LETTING DATE; REFER TO CONTRACTS: TAS 06-31 AND TAS 09-25.

RECONSTRUCTION NOTES

1. THE CONTRACTOR SHALL EXAMINE AND VERIFY, IN THE FIELD, ALL CONDITIONS AND DIMENSIONS. DIMENSIONS OF THE EXISTING STRUCTURES SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION OR SUBSEQUENT REHABILITATION DRAWINGS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL SUCH FIELD MEASUREMENTS TO ASSURE PROPER FIT OF THE FINISHED WORK, AND THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS, AS APPROVED BY THE ENGINEER. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS MADE SHALL BE INDICATED ON THE SHOP DRAWINGS SUBMITTED FOR REFERENCE OF THE REVIEWER.
2. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGE TO THE EXISTING FACILITY CAUSED BY WORK OPERATIONS AND SHALL REPAIR ALL DAMAGE WITHOUT COST TO THE AUTHORITY, AND TO THE SATISFACTION OF THE ENGINEER.
3. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, THE DAMAGED MATERIAL SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

SURVEY AND STAKEOUT NOTES

1. IN THE ABSENCE OF ANY FORMAL SURVEY FOR THIS CONTRACT, (NO BASELINE, BASELINE STATIONING OR P.I. POINTS), PROPOSED WORK LOCATIONS HAVE BEEN IDENTIFIED BY THEIR RELATIONSHIP TO EXISTING ROUTE MILE MARKERS. THE CONTRACTOR IS ADVISED THAT THERE IS NO BASELINE ESTABLISHED FOR THIS PROJECT AND ANY ROADWAY CENTERLINE STATIONING AND MILEPOSTS ARE FROM PREVIOUS CONTRACTS. THE ROADWAY CENTERLINE STATIONING OR MILEPOSTS DO NOT HAVE TO BE LAID OUT TO PROGRESS THE WORK. THIS INFORMATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND WILL BE USED MAINLY TO PROVIDE A QUICK ESTIMATE OF DISTANCES BETWEEN VARIOUS POINTS ON THE PROJECT.

REMOVAL, EXCAVATION AND BACKFILL NOTES

1. CARE SHALL BE TAKEN TO RETAIN NATURAL GROWTH AND PREVENT DAMAGE TO TREES WITHIN AND OUTSIDE THE LIMITS OF CONSTRUCTION, AND NOT SCHEDULED FOR REMOVAL. ANY DAMAGE CAUSED TO THIS NATURAL GROWTH SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORTS, BRACING AND OTHER DEVICES REQUIRED OR DIRECTED BY THE ENGINEER TO PROTECT THE SAFETY OF THE ADJACENT STRUCTURES, ROADWAY AND UTILITIES.
3. SHOULDER AREAS DISTURBED BY THE CONTRACTOR, AS PART OF THE WORK TO BE PERFORMED UNDER THIS CONTRACT, SHALL BE RESTORED AS SPECIFIED AND TO THE SATISFACTION OF THE ENGINEER. ALL DISTURBED GRASS AREAS SHALL BE GRADED IN A MANNER APPROVED BY THE ENGINEER AND SEEDED AS SPECIFIED IN THE STANDARD SEEDING ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE VARIOUS ITEMS IN THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
4. STREAM CONSERVATION: THE CONTRACTOR SHALL CONDUCT THEIR OPERATIONS TO THE SATISFACTION OF THE ENGINEER TO PREVENT OR REDUCE TO A MINIMUM ANY DAMAGE TO ANY STREAM FROM POLLUTION BY DEBRIS, SEDIMENT OR OTHER FOREIGN MATERIAL, OR FROM THE MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH STREAMS. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO A STREAM, OR TO A DITCH IMMEDIATELY FLOWING INTO A STREAM, ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH COULD CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF THE CONTRACTOR USES WATER FROM A STREAM, THE CONTRACTOR SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM TO PROTECT AND MAINTAIN WATER RIGHTS AND TO SUSTAIN FISH LIFE DOWNSTREAM. THESE TEMPORARY MEASURES SHALL BE REMOVED AND THE AREA RESTORED AT THE COMPLETION OF THE WORK.
5. PROTECTION OF WETLANDS: THE CONTRACTOR SHALL AVOID ENTRY INTO AND CONDUCT OPERATIONS TO PREVENT ANY DAMAGE OR ADVERSE IMPACTS TO STATE AND FEDERAL PROTECTED WETLAND AREAS INCLUDING THE STATE 100 FOOT ADJACENT AREA (BUFFER) WITHIN OR CONTIGUOUS TO THE PROJECT. EXCEPTIONS ARE ONLY AS ORDERED BY THE ENGINEER AND APPROVED BY REGULATORY AGENCIES IN ACCORDANCE WITH PROJECT REQUIREMENTS. ALL WETLAND AREAS SHOWN ON THE PLANS ADJACENT TO CLEARING AND GRUBBING AND SLOPE FLATTENING ZONES SHALL BE PROTECTED AND LEFT UNDISTURBED. ACTIVITIES WHICH ARE NOT TO ENCRONCH ON WETLANDS INCLUDE, BUT ARE NOT LIMITED TO, MOVEMENT OF VEHICLES, CONSTRUCTION STAGING, AND IMPLEMENTATION OF EROSION CONTROL MEASURES AND SPREADING OF SPOILED MATERIAL.

WORK ZONE TRAFFIC CONTROL NOTES

1. WORK ZONE TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE NEW YORK STATE SUPPLEMENT AND THE CONTRACT DOCUMENTS.
2. DISTANCES SHOWN ARE APPROXIMATE ONLY AND MAY BE REVISED BY THE ENGINEER-IN-CHARGE.
3. THE SIGNING SHOWN IS A MINIMUM ONLY. ADDITIONAL SIGNING MAY BE REQUIRED TO MEET TRAFFIC AND/OR FIELD CONDITIONS.
4. THE COST OF FURNISHING AND INSTALLING ALL SIGNS SHALL BE PAID FOR UNDER ITEM 619.0101 - BASIC WORK ZONE TRAFFIC CONTROL.
5. DURING NON-WORKING HOURS, ALL CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED AT LEAST 30 FEET FROM THE EDGE OF THE PAVEMENT OR BE PROTECTED BY A GUIDE RAIL SYSTEM APPROVED BY THE ENGINEER.
6. ALL PRIVATE VEHICLES SHALL BE PARKED OUTSIDE THE WORK ZONE AND OFF THE TRAVELED WAY.

UTILITY NOTES

1. LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED AS EXISTING AND/OR TO BE CONSTRUCTED AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THEIR EXACT LOCATION SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT WORK OPERATIONS AND TAKE THE NECESSARY PRECAUTIONS TO PREVENT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION.
2. IF THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN SAID SERVICE, HE SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SERVICE AND MAY NOT CEASE WORK OPERATIONS UNTIL SERVICE IS RESTORED.
3. THE METHOD OF REMOVAL OF EXISTING ROADWAY OR SHOULDER PAVEMENT IN THE IMMEDIATE VICINITY OF UNDERGROUND UTILITIES SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
4. EXISTING G4S COMMUNICATIONS FIBER OPTIC CONDUITS (FOC) CAN BE FOUND WITHIN THE ENTIRE WORK LIMITS OF THIS PROJECT. THE CONTRACTOR IS ADVISED TO CONTACT "DIG SAFELY NEW YORK" AT 811 OR 1-800-962-7962 PRIOR TO ANY EXCAVATION OR GUIDE RAILING INSTALLATION.
5. IN AREAS WHERE THE PROPOSED EARTHWORK INCLUDED IN THIS CONTRACT WILL CHANGE THE DEPTH OF COVER OVER THE G4S FOC, THE CONTRACTOR SHALL SURVEY THE ORIGINAL GROUND ELEVATIONS AND THE FINISHED GRADE ELEVATIONS OF THE EFFECTED AREAS. THE PURPOSE OF THIS SURVEY WORK IS TO PROVIDE A RECORD OF THE CHANGE IN COVER OVER THE CONDUIT. THE CONTRACTOR SHALL PROVIDE THIS INFORMATION TO THE ENGINEER, AND THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 625.01 - SURVEY AND STAKEOUT.

MISCELLANEOUS NOTES

1. THE CONTRACTOR IS ADVISED THAT ADDITIONAL "NOTES" WILL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTRACT PLANS AND SUCH "NOTES", WHILE PERTAINING TO THE SPECIFIC SHEETS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
2. THE CONTRACTOR SHALL MAINTAIN AND PROTECT THRUWAY TRAFFIC IN ACCORDANCE WITH ITEM 619.0101 AND THE TRAFFIC CONTROL SHEETS. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SECTION 107, LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC, OF THE STANDARD SPECIFICATIONS DATED AS SHOWN ON THE FRONT COVER OF THE PROPOSAL EXCEPT AS MODIFIED IN THESE PLANS AND/OR THE PROPOSAL.
3. ALL MILEPOSTS ARE APPROXIMATE. THE EXACT LIMITS SHALL BE A.O.B.E.
4. ALL MILLING & PAVING SHALL BE TERMINATED WITH A VERTICAL EDGE PRODUCED BY A SAWCUT MADE OF THE SAME DEPTH AS THE ADJACENT MILL AND INLAY TRANSVERSE TO THE DIRECTION OF TRAFFIC. ITEM 627.50140008.
5. ALL OTHER MILLING AND PAVING OPERATIONS SHALL BE COMPLETED IN ACCORDANCE WITH THE "LANES REQUIRED FOR TRAFFIC" CHARTS.
6. SPOIL AREA: THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, UNLESS APPROVED BY THE ENGINEER, NO SPOIL AREA FOR SURPLUS MATERIAL IS AVAILABLE FOR THIS CONTRACT WITHIN AUTHORITY/CORPORATION RIGHT-OF-WAY. THEREFORE, ALL MATERIAL TO BE REMOVED FROM THE JOB SITE SHALL BE DISPOSED OF AND/OR MANAGED BY THE CONTRACTOR OFF AUTHORITY/CORPORATION PROPERTY, IN ACCORDANCE WITH THE OFF-SITE OPTIONS OF THE SPOIL REQUIREMENTS OF §107-10 MANAGING SURPLUS MATERIAL AND WASTE. THE LOCATION(S) FOR OFFSITE DISPOSAL SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR ACCEPTANCE PRIOR TO REMOVAL FROM THE SITE. THE CONTRACTOR SHALL PROVIDE THE AUTHORITY A COPY OF ALL EASEMENTS AND/OR AGREEMENT LETTERS RECEIVED FROM LANDOWNER(S) OF OFF-SITE DISPOSAL AREA(S) PRIOR TO DISPOSAL OF ANY MATERIAL. THE EASEMENTS AND/OR AGREEMENT LETTERS MUST INCLUDE A STATEMENT BY THE CONTRACTOR AND THE LANDOWNER THAT THE DISPOSAL OF THE MATERIAL IS IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. ALL COSTS ASSOCIATED WITH THE SPOIL AREA AND REMOVAL OF SPOIL MATERIAL SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.

WARNING: UNDERGROUND FIBER OPTIC CONDUITS

EXISTING G4S FIBER OPTIC CONDUITS CAN BE FOUND WITHIN THE ENTIRE WORK LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO CONTACT DIG SAFELY NEW YORK AT 1-800-962-7962 PRIOR TO ANY EXCAVATION AND/OR GUIDE RAIL INSTALLATION.

STANDARD SHEETS

THE FOLLOWING STANDARD SHEETS APPLY TO THIS PROJECT:

- 203-01, 203-02, 203-04, 606-04, 606-07, 606-08, 606-10, 606-11, 606-13, 606-14, 606-16, 606-20, 606-22, 606-25, 606-27, 606-29, 619-04, 645-10, 645-11, 680-02, 680-03, 680-04, 680-14

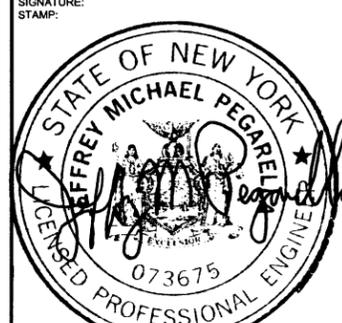
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DESIGNED BY: TA

DESIGN SUPERVISOR: TA

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority Canal Corporation	TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
	LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
	TITLE OF DRAWING GENERAL NOTES	DRAWING NUMBER: GN-1

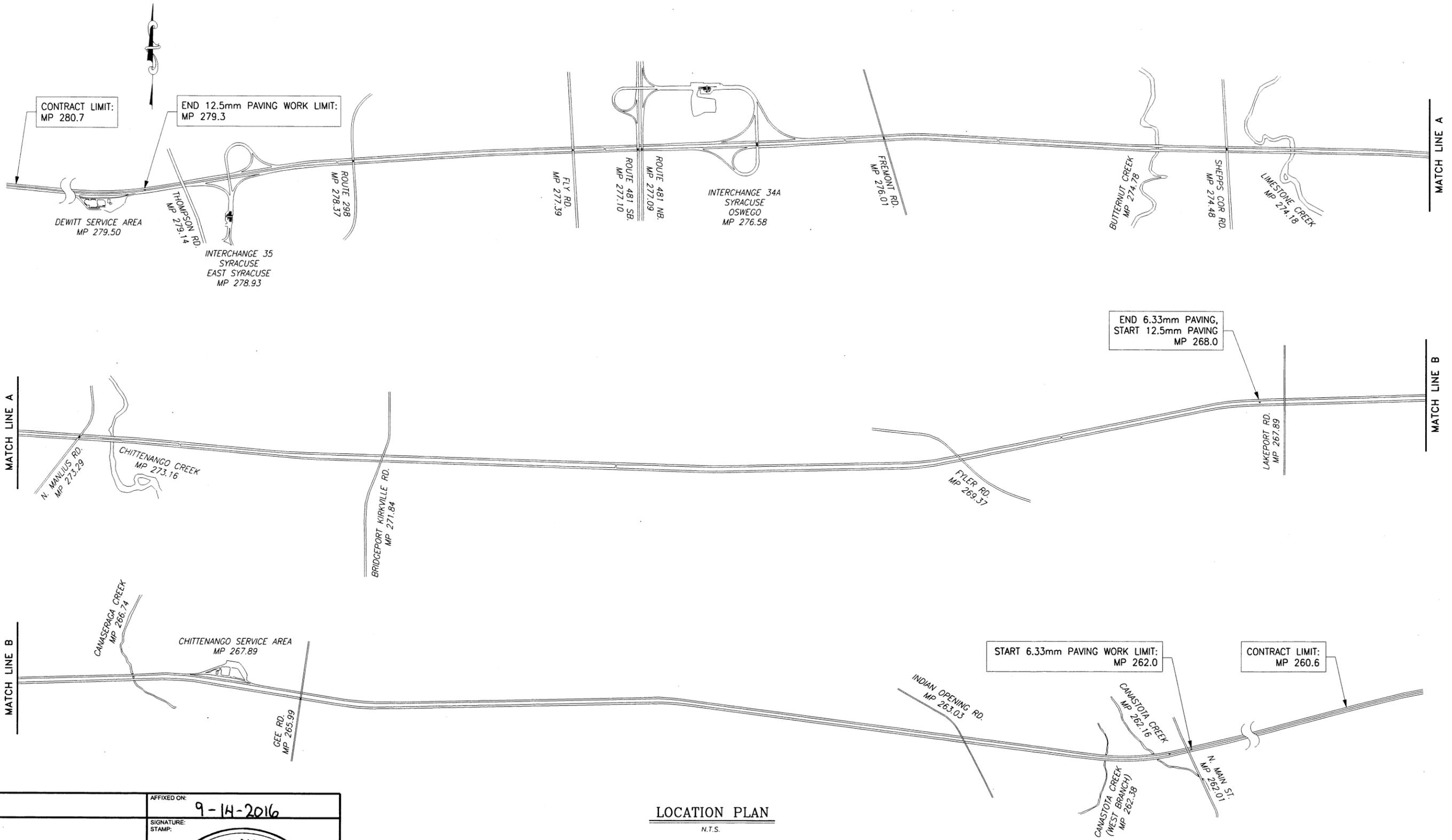
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DESIGN SUPERVISOR: TA



LOCATION PLAN
N.T.S.

ALTERED ON:

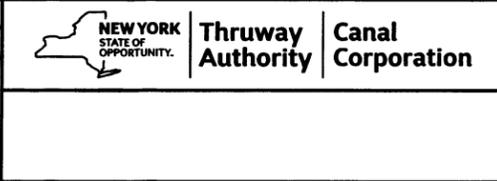
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT:
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK

LOCATION OF PROJECT:
**SYRACUSE DIVISION
MP 262.0 - MP 279.3**

TITLE OF DRAWING:
LOCATION PLAN

CONTRACT NUMBER:
TAS 16-31

DATE:
3/22/16

DRAWING NUMBER:
LP-1

FULL DEPTH REPAIR LOCATIONS

Milepost	EB / WB	Lane	NO. OF REPAIRS	LENGTH
262.000	WB	DL	1	10'
264.525	WB	PL	1	8'
268.000	WB	DL + PL	2	8'
268.300	WB	DL + PL	2	8'
268.925	WB	DL + PL	4	8'
269.350	WB	DL + PL	2	8'
269.400	WB	DL + PL	2	8'
269.425 to 269.5	WB	PL	2	8'
269.715	WB	DL + PL	2	8'
270.150	WB	DL + PL	2	8'
270.250	WB	DL + PL	2	8'
270.300	WB	DL + PL	4	8'
270.700 to 270.800	WB	PL	2	8'
271.000	WB	PL	2	8'
271.200	WB	PL	2	8'
271.5 to 271.7	WB	DL + PL	3	8'
271.750	WB	PL	1	8'
271.8 to 271.9	WB	DL + PL	4	8'
272.500	WB	PL	1	8'
272.625	WB	PL	1	8'
272.8 to 272.9	WB	PL	4	8'
273.125 to 273.200	WB	DL + PL	3	8'
273.400	WB	PL	1	8'
273.600	WB	PL	1	8'
274.100 to 274.200	WB	DL + PL	4	8'
275.225	WB	DL + PL	2	8'
276.000	WB	DL + PL	4	8'
277.000	WR	PI + PL	2	8'
277.375	WB	DL	1	150'
277.375	WB	Left Shoulder	1	200'
277.575	WB	DL + PL	2	8'
277.860	WB	DL + PL	2	8'
278.200	WB	DL + PL	2	8'
278.400	WB	DL + PL	2	8'
278.975	WB	DL + PL	2	8'
279.075	WB	DL + PL	2	8'
279.100	WB	DL + PL	2	8'

Milepost	EB / WB	Lane	NO. OF REPAIRS	LENGTH
279.3 to 279.2	EB	DL + PL	6	8'
279.225 to 279.2	EB	X-35 D-Ramp	1	132'
279.200	EB	PL	1	100'
279.050	EB	DL + PL	2	100'
279.000	EB	PL	1	8'
278.9 to 278.850	EB	DL	1	250'
278.850	EB	DL + PL	2	8'
278.850 to 278.8	EB	Center Line Joint	1	250'
278.725	EB	DL + X-35 A-Ramp	2	8'
278.650	EB	DL + X-35 A-Ramp	4	8'
278.550 to 278.40	EB	DL + PL	4	8'
278.125	EB	DL + PL	2	8'
278.075	EB	DL + PL	2	8'
278.025	EB	DL + PL	2	8'
277.900	EB	DL + PL	2	8'
277.400	EB	DL + PL	2	8'
277.270	EB	DL + PL	2	8'
277.000	EB	DL + PL	2	8'
276.625	EB	DL + PL	2	8'
276.650	EB	DL + PL	2	8'
276.525	EB	DL + PL	2	8'
276.375	EB	PL	2	8'
276.175	EB	PL	2	8'
276.050 to 275.975	EB	Center Line Joint	1	400'
276.050 to 275.975	EB	DL + PL	4	8'
275.725 to 275.700	EB	DL + PL	4	8'
275.625	EB	DL + PL	4	8'
275.450	EB	PL	1	8'
275.350	EB	DL + PL	2	8'
274.825	EB	DL + PL	2	8'
274.750	EB	DL + PL	2	8'
274.500 to 274.425	EB	DL + PL	4	8'
274.200 to 274.000	EB	DL + PL	4	8'
273.650	EB	DL + PL	2	8'
273.450	EB	DL + PL	2	8'
273.275	EB	PL	1	50'
273.150	EB	DL + PL	4	8'
271.900 to 271.800	EB	DL + PL	4	8'
270.825 to 270.800	EB	DL + PL	2	8'
270.350	EB	DL + PL	2	8'
269.925	EB	DL + PL	4	8'
269.800 to 269.700	EB	DL + PL	4	8'
269.400	EB	PL	2	8'
269.175	EB	DL + PL	2	8'
269.075 to 268.925	EB	Right Shoulder	1	800'
268.025	EB	DL	1	8'
268.010	EB	DL + PL	2	8'

Milepost	Direction	Lane	No. of Repairs	Full Width	4' Width	Comments
Interchange 35						
278.6	WB	D-Ramp	1	100		at Exit 35 Sign
Ramp	WB	D-Ramp	1		13	Beyond Sign
Ramp	WB	D-Ramp	1		50	Shoulder Repair at Bridge Approach
Ramp	WB	D-Ramp	1		4	450' from Bridge
Ramp	WB	D-Ramp	1		13	300' from Bridge
Ramp	WB	D-Ramp	1		10	200' from Bridge
Ramp	WB	D-Ramp	1		80	150' from Bridge
Ramp	WB	D-Ramp	1	10		at Approach
Ramp	WB	D-Ramp	8		10	Beyond Bridge
Ramp	WB	A-Ramp	1		4	50' beyond Bridge
Ramp	WB	A-Ramp	1		13	at 25 mph sign
Ramp	WB	A-Ramp	1		70	Right wheel track
Ramp	WB	A-Ramp	1		60	150' beyond sign
Ramp	WB	A-Ramp	5		13	to end of ramp
TOTAL				110	340	

Milepost	Direction	Lane	No. of Repairs	Full Width	4' Width	Comments
Interchange 36						
279.225	EB	D-Ramp	1	100		Full Lane Width
279.025	EB	D-Ramp	1		50	Center Line Joint
Plaza		5X	1		4	4' width
Plaza	EB	A-Ramp	1		4	4' width at point in plaza
Ramp	EB/WB	A-Ramp	3		13	CLJ at EB/WB split
Ramp	EB	A-Ramp	2	13		300' from Mainline
Ramp	EB	A-Ramp	1	60		200' from Mainline
Ramp	EB	A-Ramp	1	60		100' from Mainline
278.800-278.750	EB	A-Ramp	1	250		Full Lane Width
278.750-278.700	FR	A-Ramp	1		250	4' right wheel track
278.675	EB	A-Ramp	1		13	4' wide CLJ
TOTAL				483	334	

FULL DEPTH REPAIR WIDTHS
 DL = 12'
 PL = 13'
 LEFT SHOULDER = 4'
 RIGHT SHOULDER = 9'
 RAMP = 14'
 CENTER LINE JOINT (CLJ) = 4'

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority Canal Corporation	TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
	LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING FULL DEPTH REPAIR LOCATIONS		DRAWING NUMBER: FDR-1

DESIGNED BY: TA
 CHECKED BY: TA
 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGN SUPERVISOR: TA

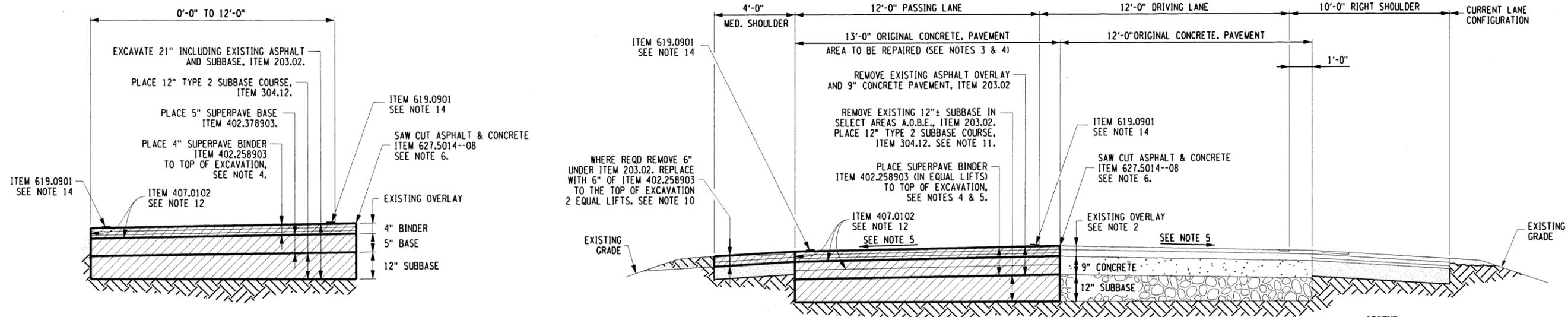
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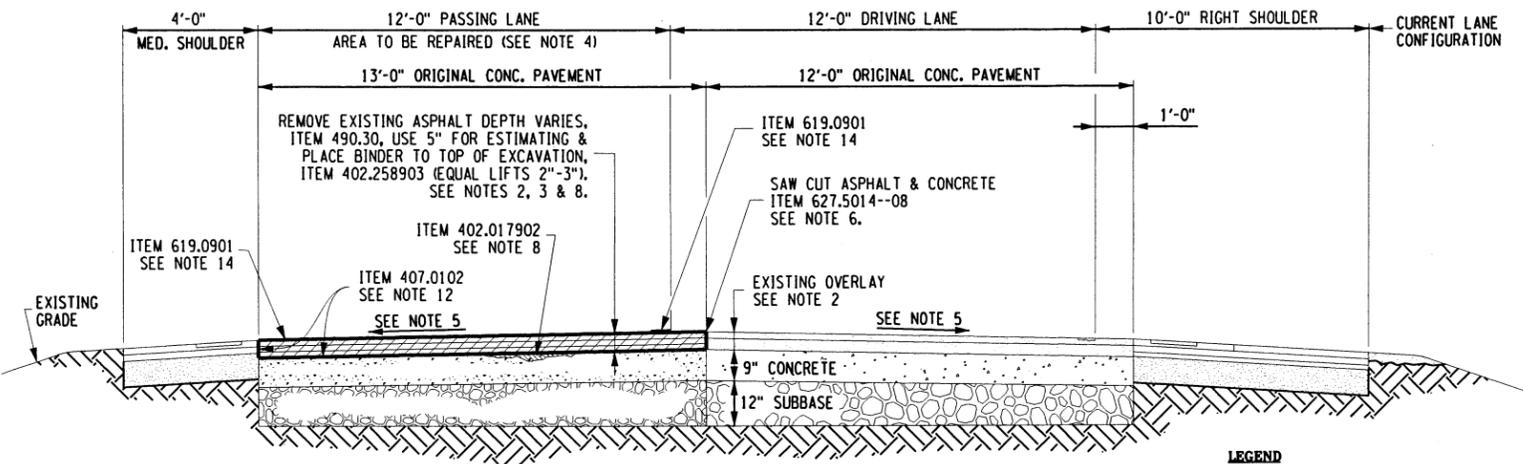
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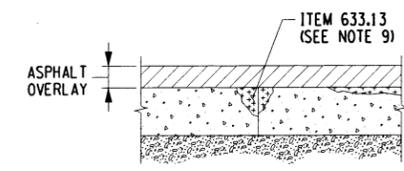
FULL DEPTH SHOULDER REPAIR @ MP 273.16 EB MEDIAN
NOT TO SCALE



TYPICAL PARTIAL DEPTH PAVEMENT REPAIR - SEE NOTE 5
TWO LANE SHOWN THREE LANE SIMILAR
NOT TO SCALE

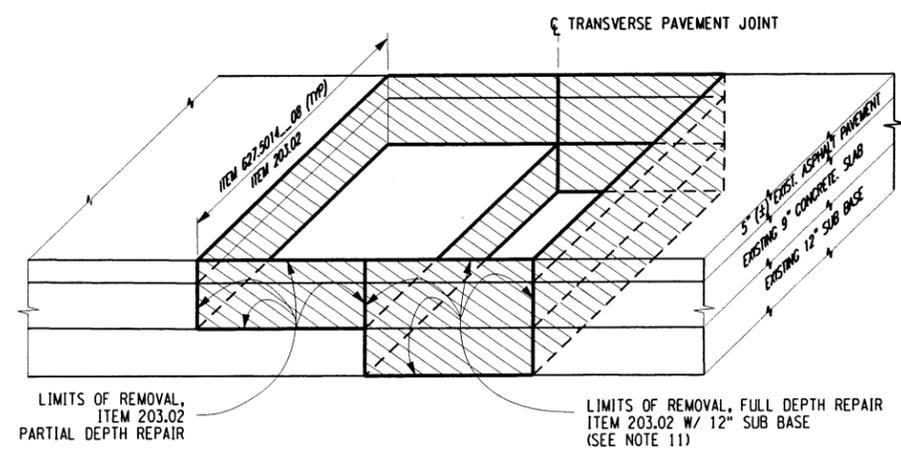
TYPICAL FULL DEPTH PAVEMENT REPAIR
TWO LANE SHOWN THREE LANE SIMILAR
NOT TO SCALE

LEGEND
[Hatched box] MATERIAL TO BE REMOVED AND REPLACED



JOINT FILLING DETAIL
NOT TO SCALE

LEGEND
[Hatched box] MATERIAL TO BE REMOVED AND REPLACED



FULL DEPTH AND JOINT REPAIR DETAIL (TYP.)
NOT TO SCALE

PAVEMENT REPAIR NOTES:

- SEE PAVEMENT REPAIR TABLES ON DWG. FDR-1 FOR REPAIR LOCATIONS.
- EXISTING ASPHALT OVERLAY VARIES, FOR ESTIMATING PURPOSES, ASSUME 5" OF ASPHALT.
- PASSING LANE (2-LANE SECTION) FULL DEPTH PAVEMENT REPAIR IS SHOWN IN DIRECTION OF TRAVEL. ALL EB AND WB FULL DEPTH REPAIRS ARE SIMILAR.
- PAVEMENT SHOWN IS THE FINAL CONDITION. BINDER SHALL BE PLACED TO FINAL ELEVATIONS, FLUSH WITH TOP OF ADJOINING PAVEMENT, UNTIL MAINLINE MILLING AND RESURFACING IS PERFORMED.
- CROSS SLOPES MAY VARY FROM NORMAL CROWN TO FULL SUPER ELEVATION (BANKED LEFT AND RIGHT). THE PROPOSED TRAVEL LANE CROSS SLOPE SHALL MATCH THE EXISTING CROSS SLOPE IN ALL CASES.
- SAW CUT EACH END OF THE PARTIAL DEPTH REPAIR AREA UNDER ITEM 627.5014-08. USE A PERIMETER SAW CUT AT FULL DEPTH REPAIR AND WHERE APPROPRIATE, A.O.B.E.
- PARTIAL DEPTH REPAIR LOCATIONS SHALL BE MILLED TO CONCRETE AND THE SURFACE SHALL BE SCARIFIED. COST OF SCARIFYING SURFACE TO BE INCLUDED IN ITEM 490.30. LOCATIONS SHALL BE A.O.B.E. FOR ESTIMATING PURPOSES, ASSUME 5 LOCATIONS AT 50 FT EACH.
- FILL DEPRESSIONS OR VOIDS IN THE EXISTING CONCRETE, AS NECESSARY, TO BE PAID FOR UNDER APPROPRIATE ASPHALT ITEM A.O.B.E.
- AFTER MILLING OPERATION, DETERIORATED TRANSVERSE AND LONGITUDINAL JOINTS SHALL BE CLEANED OF ANY LOOSE DEBRIS AND FILLED UNDER ITEM 633.13. PRIOR TO PLACING OVERLAY, A.O.B.E.
- AT LOCATIONS WHERE FULL DEPTH REPAIR IS REQUIRED IN THE PASSING LANE, THE LEFT SHOULDER SHALL BE REHABILITATED AS SHOWN. SHOULDER BACKUP, ITEM 203.24---25 SHALL BE INSTALLED A.O.B.E. AT ALL SHOULDER REPAIR AREAS, SEE DETAILS ON DWG. MSD-5.
- IT IS ASSUMED THAT 20% OF FULL DEPTH REPAIR AREAS SHALL HAVE THE SUBBASE REMOVED. AREAS AND DEPTHS SHALL BE A.O.B.E. EXCAVATION SHALL BE PAID FOR UNDER ITEM 203.02. SUBBASE SHALL BE PAID FOR UNDER ITEM 304.12.
- PLACE DILUTED TACK COAT ON ALL EXPOSED SURFACES WHICH WILL BE IN CONTACT WITH NEW ASPHALT, ITEM 407.0102. FOR APPLICATION RATES SEE TABLE 407-1 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL ALIGN THE PROPOSED LONGITUDINAL JOINTS WITH EXISTING LONGITUDINAL JOINTS.
- TEMPORARY PAVEMENT MARKINGS SHALL BE REQUIRED WHEN PERMANENT SKIP AND/OR EDGE LINES ARE REMOVED AND SHALL BE INSTALLED PRIOR TO OPENING ROADWAY TO TWO - LANE TRAFFIC. PAY FOR UNDER ITEM 619.0901. SEE DWG. PM-T FOR DETAILS.
- PARTIAL DEPTH REPAIRS ARE A.O.B.E. FOR ESTIMATING PURPOSES, ASSUME TWO REPAIRS AT 50' EACH.

ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
304.12	SUBBASE COURSE, TYPE 2	CY
402.197903	19 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	TON
402.258903	25 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	TON
407.0102	DILUTED TACK COAT	GAL
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
619.0901	TEMPORARY PAVEMENT MARKING STRIPES (TRAFFIC PAINT)	LF
627.5014-08	CUTTING PAVEMENT	LF
633.13	CLEANING, SEALING AND/OR FILLING JOINTS	LF

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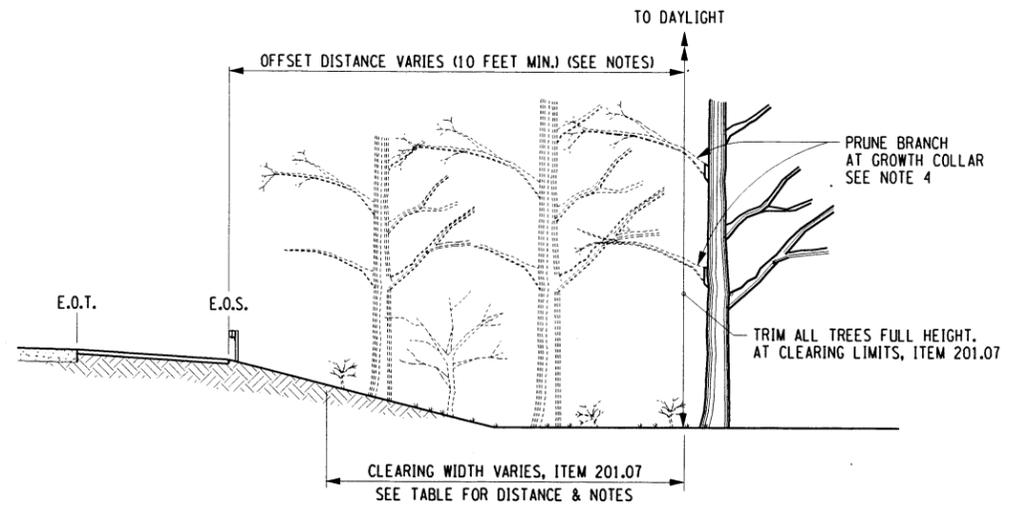
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Thruway Authority Canal Corporation

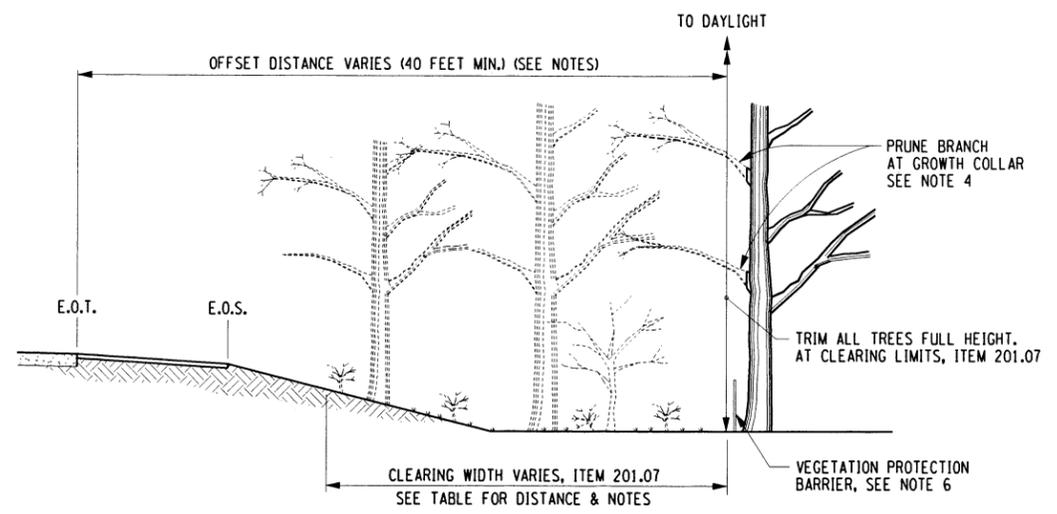
TITLE OF PROJECT: 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
 LOCATION OF PROJECT: SYRACUSE DIVISION MP 262.0 - MP 279.3
 TITLE OF DRAWING: PAVEMENT REPAIR DETAILS

CONTRACT NUMBER: TAS 16-31
 DATE: 3/22/16
 DRAWING NUMBER: PRD-1



CLEARING AND GRUBBING BEHIND GUIDE RAIL
CLEARING AND GRUBBING - ITEM 201.07

DETAIL A
N.T.S.
SEE NOTE 1



CLEARING DETAIL - EARTH SLOPE
CLEARING AND GRUBBING - ITEM 201.07

DETAIL B
N.T.S.
SEE NOTES 1 AND 2

E.O.T. = EDGE OF TRAVELED WAY
E.O.S. = EDGE OF SHOULDER

CLEARING AND GRUBBING TABLE								
LOCATION NUMBER	PLAN SHEET	MILEPOST	DIRECTION	LENGTH (FT.)	WIDTH (FT.)	SQUARE FT.	ACRE	
1	PL-3	278.24-278.12	EB	650	10	6,500	0.1492	
2		WORK WAS REMOVED FROM THIS SITE						
3	PL-11	274.40	EB	50	10	500	0.0110	
4	PL-12	274.10-274.05	EB	390	12.5	4,875	0.1119	
5	PL-17	272.15-272.05	EB	500	20	10,000	0.2296	
6	PL-18	271.65-271.60	EB	225	20	4,500	0.1033	
7	PL-19	271.00-270.90	EB	500	10	5,000	0.1148	
8	PL-21	270.47-270.35	EB	630	10	6,300	0.1446	
9	PL-22	270.00-269.98	EB	160	15	2,400	0.0551	
10	PL-25	268.47-268.21	EB	1,370	10	13,700	0.3145	
11	PL-17	272.00-272.13	WB	650	10	6,500	0.1492	
12	PL-12	274.21	WB	100	20	2,000	0.0459	
13	PL-8	275.895	WB	100	10	1,000	0.0230	
14	PL-8	275.96	WB	50	10	500	0.0115	
15	PL-4	277.81-277.91	WB	580	10	5,800	0.1331	
TOTAL ACRES							1.5967	

NOTES:

1. DETAILS "A" AND "B" APPLY TO ALL ROADSIDE AREAS WITHIN THE WORK LIMITS. ADDITIONAL AREAS OF CLEARING AND GRUBBING MAY BE INDICATED ELSEWHERE IN THE CONTRACT DOCUMENTS.
2. GRUBBING WILL BE REQUIRED BENEATH PROPOSED EMBANKMENT AREAS ONLY. WHERE TREES OR EXISTING STUMPS ARE CLEARED AND GRUBBING IS NOT REQUIRED, THE TREE TRUNK OR EXISTING STUMP SHALL BE FLUSH CUT. EXPOSED STUMPS NOT REQUIRED TO BE REMOVED, BUT ARE WITHIN 30 FEET OF THE EDGE OF THE PAVEMENT, SHALL BE CHIPPED OUT TO A DEPTH OF NOT LESS THAN 6 INCHES BELOW THE FINISHED GRADE AND HOLES BACKFILLED IF DIRECTED BY ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR BACKFILL OR EARTH COVER NECESSARY TO COMPLETE WORK.
3. IN ALL SITUATIONS, THE PAY LIMIT SHALL BE THE AREA ACTUALLY CLEARED.
4. ALL BRANCHES TRIMMED WITHIN THE OFFSET DISTANCE SHALL BE PRUNED AS CLOSE TO THE TRUNK'S GROWTH COLLAR AS POSSIBLE.
5. CONTRACTOR IS RESPONSIBLE FOR LIMITING DISTURBED AREAS DURING ALL CLEARING AND GRUBBING/TRIM CANOPY (TREE PRUNING) OPERATIONS. THE PROPOSED AREAS WERE NOT VALUATED AS DISTURBED AREAS ACCORDING TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION'S (SPDES) GENERAL PERMIT GP-0-15-002 FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES. ALL DISTURBED AREAS FROM CLEARING AND GRUBBING SHALL BE RESTORED AS DIRECTED BY THE ENGINEER. COST IS TO BE INCLUDED IN THE CLEARING AND GRUBBING ITEM.
6. TREE REMOVAL SHALL BE COMPLETED BY CLEARING AND GRUBBING OR CLEARING, FLUSH CUTTING METHODS, AS INDICATED ON PLANS. WHOLESALE CLEARING AND GRUBBING OF TREES SHALL NOT BE ALLOWED IN STATE PROTECTED WETLANDS, AND SHOULD BE AVOIDED AND MINIMIZED IN FEDERALLY PROTECTED WETLANDS WHENEVER POSSIBLE. THE CONTRACTOR SHALL TAKE CARE NOT TO FURTHER IMPACT STATE AND FEDERAL WETLANDS BEYOND WHAT IS REASONABLY NECESSARY TO CONDUCT CLEARING AND GRUBBING AND SELECTIVE TREE REMOVAL ACTIVITIES. ALL WETLAND AREAS SHOWN ON PLANS ADJACENT TO AND OUTSIDE OF CLEARING AND GRUBBING ZONES AND SELECTIVE TREE LOCATIONS SHALL BE LEFT UNDISTURBED TO PREVENT FURTHER IMPACTS, UNLESS OTHERWISE ALLOWED BY A PROJECT SPECIFIC ARMY CORP OF ENGINEERS OR NYSDEC WETLAND PERMIT. ACTIVITIES THAT ARE NOT TO ENCRACH ON ADJACENT WETLANDS INCLUDE, BUT ARE NOT LIMITED TO, MOVEMENT OF VEHICLES, CONSTRUCTION STAGING, DISPOSAL OF WOOD CHIPPINGS, PLACEMENT OF EROSION CONTROL FEATURES, AND SPREADING OF SPOILED SOIL. VEGETATION PROTECTION BARRIER FENCING MAY BE NECESSARY IF THE ADJACENT AREAS ARE DEEMED ENVIRONMENTALLY SENSITIVE, A.O.B.E.
7. ALL PROVISIONS OF SECTION 201, CLEARING AND GRUBBING, THAT ARE NOT MODIFIED BY THIS DRAWING SHALL APPLY.
8. INDIVIDUAL TREE REMOVAL LISTED IN THE CONTRACT DOCUMENTS WILL BE PAID FOR UNDER ITEM 614.06XXYY. STUMPS LISTED FOR REMOVAL SHALL BE BACKFILLED TO FINISHED GRADE WITH TOPSOIL UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS. GRASS SHALL BE ESTABLISHED ON STUMP HOLES AND WILL BE PAID SEPARATELY.

CHECKED BY: TA
 DRAFTED BY: K. KETZ
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA

REVISIONS				Thruway Authority Canal Corporation	TITLE OF PROJECT	CONTRACT NUMBER:
DATE	DESCRIPTION	BY	SYM.		1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	TAS 16-31
					LOCATION OF PROJECT	DATE:
					SYRACUSE DIVISION MP 262.0 - MP 279.3	2/22/16
					TITLE OF DRAWING	DRAWING NUMBER:
					TREE REMOVAL CLEARING & GRUBBING TABLE	CG-1

EASTBOUND TABLE OF GUIDE RAIL AND MARKER QUANTITIES - RIGHT SHOULDER

LOCATION NUMBER	DRAWING NUMBER	ITEM 203.24---25 - SHOULDER BACKUP MATERIAL	ITEM 606.10 - BOX BEAM GUIDE RAILING	ITEM 606.11 - BOX BEAM MEDIAN BARRIER	ITEM 606.1203 - BOX BEAM GUIDE RAIL END ASSEMBLY, TYPE III	ITEM 606.1403 - BOX BEAM MEDIAN BARRIER END ASSEMBLY, TYPE C	ITEM 606.17 - CORRUGATED BEAM MEDIAN BARRIER	ITEM 606.18 - MODIFIED G2 WEAK-POST CORRUGATED BEAM GUIDE RAIL	ITEM 606.22 - ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	ITEM 606.24 - ANCHORAGE UNITS FOR CORRUGATED BEAM MEDIAN BARRIER	ITEM 606.3042 - SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	ITEM 606.3062 - SINGLE-SLOPE HALF SECTION BARRIER (PRECAST)	ITEM 606.5920 - RESET BOX BEAM END ASSEMBLY	ITEM 606.59200125 - RESETTING END TERMINAL FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.69200125 - REMOVING AND STORING END TERMINAL FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.71 - REMOVE AND DISPOSE OF CORRUGATED BEAM GUIDE RAIL	ITEM 606.73 - REMOVE AND DISPOSE BOX BEAM GUIDE RAILING	ITEM 606.74 - REMOVE AND DISPOSE BOX BEAM MEDIAN BARRIER	ITEM 606.75 - REMOVE AND DISPOSE CONCRETE BARRIER	ITEM 606.7910 - REMOVE AND DISPOSE OF ANCHOR UNIT/CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.79200125 - REMOVE AND DISPOSE END ASSEMBLY FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.8803 - TRANS, BETWEEN BOX BEAM RAIL & SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	ITEM 606.8805 - TRANS, BETWEEN BOX BEAM MED. BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER	ITEM 606.92010125 - REPLACE GUIDE RAIL SPLICE BOLTS	ITEM 606.93010125 - ADJUST HEAVY POST BLOCKED-OUT (HPBO) GUIDE RAIL	ITEM 621.05020004 - PREPARING GRADE FOR VEGETATION CONTROL STRIP	ITEM 646.0801-25 INSTALL SNOWPLOW MARKER, SINGLE UNIT	ITEM 646.0802--25 - INSTALL SNOWPLOW MARKER, DOUBLE UNIT	ITEM 647.51 - REMOVE AND DISPOSE SIGN PANEL ASSEMBLY SIZE 1 (UNDER 30 SQUARE FEET)	
		TON	FT	FT	EA	EA	FT	FT	EA	EA	FT	FT	EA	EA	EA	FT	FT	FT	FT	EA	EA	EA	EA	EA	EA	FT	FT	EA	EA	EA
1	PL-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	720	720	-	-	-
2	PL-1	-	18	-	-	-	-	-	-	-	-	65	-	-	-	-	126	-	80	-	-	1	-	-	-	-	-	-	-	-
3	PL-3	-	306	-	-	-	-	-	-	-	-	65	-	-	-	414	-	80	-	-	1	-	-	-	-	-	-	-	-	-
4	PL-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
5	NO WORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	PL-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.5	-	-	-	-	-
7	PL-11	-	-	-	-	-	-	225	-	-	-	-	-	-	-	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	PL-11	-	36	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
9	PL-14	-	198	-	-	-	-	-	-	-	-	60	-	-	-	306	-	80	-	-	1	-	-	-	-	-	-	-	-	-
10	PL-15	-	-	-	-	-	-	525	-	-	-	-	-	-	-	525	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	PL-17	-	18	-	-	-	-	-	-	-	-	60	-	-	-	126	-	80	-	-	1	-	-	-	-	-	-	-	-	-
12	PL-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	592	-	-	-	-	-	-
13	PL-23	-	36	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
14	PL-23	-	18	-	-	-	-	-	-	-	-	60	-	-	-	126	-	80	-	-	1	-	-	-	-	-	-	-	-	-
15	SEE NOTE 2	-	36	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
16	SEE NOTE 2	-	36	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
17	SEE NOTE 2	-	36	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
18	PL-27	-	-	-	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
GRT-1 TOTAL		-	756	-	5	-	-	750	-	-	-	370	-	-	-	1056	936	-	500	-	5	6	-	592	782.5	720	-	-	1	

- NOTES:
1. INSTALL GUIDERAIL END SECTION WITH THE END PLATE DISTANCE "E" AT 1'-5 1/2" AS SHOWN ON TABLE 1 OF STANDARD SHEET 606-06.
 2. LOCATIONS #15, #16 AND #17 ARE NOT SHOWN ON THE PLAN SHEETS. THEY ARE LOCATED AT THE FOLLOWING MILEPOSTS:
#15- MP 267.934
#16- MP 266.815
#17- MP 266.063

CHECKED BY: SVELICKY

DRAFTED BY: KAKETZ

CHECKED BY: RATHOMPSON

DESIGNED BY: SVELICKY

DESIGN SUPERVISOR: TA

ALTERED ON:	AFFIXED ON: 9-14-2016
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 **Thruway Authority** | **Canal Corporation**

TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING TABLE OF GUIDE RAIL AND MARKER QUANTITIES	DRAWING NUMBER: GRT-1

EASTBOUND TABLE OF GUIDE RAIL AND MARKER QUANTITIES - RIGHT SHOULDER

LOCATION NUMBER	DRAWING NUMBER	ITEM 203.24---25 - SHOULDER BACKUP MATERIAL	ITEM 606.10 - BOX BEAM GUIDE RAILING	ITEM 606.11 - BOX BEAM MEDIAN BARRIER	ITEM 606.1203 - BOX BEAM GUIDE RAIL END ASSEMBLY, TYPE III	ITEM 606.1403 - BOX BEAM MEDIAN BARRIER END ASSEMBLY, TYPE C	ITEM 606.17 - CORRUGATED BEAM MEDIAN BARRIER	ITEM 606.18 - MODIFIED G2 WEAK-POST CORRUGATED BEAM GUIDE RAIL	ITEM 606.22 - ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	ITEM 606.24 - ANCHORAGE UNITS FOR CORRUGATED BEAM MEDIAN BARRIER	ITEM 606.3042 - SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	ITEM 606.3062 - SINGLE-SLOPE HALF SECTION BARRIER (PRECAST)	ITEM 606.5920 - RESET BOX BEAM END ASSEMBLY	ITEM 606.59200125 - RESET END TERMINAL FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.60200125 - REMOVING AND STORING END TERMINAL FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.71 - REMOVE AND DISPOSE OF CORRUGATED BEAM GUIDE RAIL	ITEM 606.73 - REMOVE AND DISPOSE BOX BEAM GUIDE RAILING	ITEM 606.74 - REMOVE AND DISPOSE BOX BEAM MEDIAN BARRIER	ITEM 606.75 - REMOVE AND DISPOSE CONCRETE BARRIER	ITEM 606.7910 - REMOVE AND DISPOSE OF ANCHOR UNIT/CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.79200125 - REMOVE AND DISPOSE END ASSEMBLY FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.8803 - TRANS, BETWEEN BOX BEAM RAIL & SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	ITEM 606.8805 - TRANS, BETWEEN BOX BEAM MED. BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER	ITEM 606.92010125 - REPLACE GUIDE RAIL SPLICE BOLTS	ITEM 606.93010125 - ADJUST HEAVY POST BLOCKED-OUT (HPBO) GUIDE RAIL	ITEM 621.05020004 - PREPARING GRADE FOR VEGETATION CONTROL STRIP	ITEM 646.0801-25 INSTALL SNOWFLOW MARKER, SINGLE UNIT	ITEM 646.0802-25 - INSTALL SNOWFLOW MARKER, DOUBLE UNIT	ITEM 647.51 - REMOVE AND DISPOSE SIGN PANEL ASSEMBLY SIZE 1 (UNDER 30 SQUARE FEET)	
		TON	FT	FT	EA	EA	FT	FT	EA	EA	FT	FT	EA	EA	EA	FT	FT	FT	FT	EA	EA	EA	EA	EA	EA	FT	FT	EA	EA	EA
19	SEE NOTE 2	-	36	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
20	PL-28	-	18	-	-	-	-	-	-	-	-	60	-	-	-	-	126	-	80	-	-	1	-	-	-	-	-	-	-	-
21	PL-29	-	-	-	-	-	-	225	1	-	-	-	-	-	-	225	-	-	-	1	-	-	-	-	-	-	-	-	-	-
22	PL-29	-	-	-	-	-	-	150	1	-	-	-	-	-	-	150	-	-	-	1	-	-	-	-	-	-	-	-	-	-
23	PL-29	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	PL-29	-	-	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
25	PL-28	-	-	-	-	-	-	225	1	-	-	-	-	-	-	225	-	-	-	-	1	-	-	-	-	-	-	-	-	-
GRT-1 TOTAL		-	756	-	5	-	-	750	-	-	-	370	-	-	-	1056	936	-	500	-	5	6	-	592	782.5	720	-	-	1	
GRT-2 TOTAL		-	54	-	1	-	100	600	3	1	-	60	-	-	-	600	126	-	80	4	1	1	-	-	-	-	-	-		
EB TOTAL		-	810	-	6	-	100	1350	3	1	-	430	-	-	-	1656	1062	-	580	4	6	7	-	592	782.5	720	-	1		

NOTES:
 1. INSTALL GUIDERAIL END SECTION WITH THE END PLATE DISTANCE "E" AT 1'-5½" AS SHOWN ON TABLE 1 OF STANDARD SHEET 606-06.
 2. LOCATION #19 IS NOT SHOWN ON THE PLAN SHEETS. IT IS LOCATED AT MP 262.111.

CHECKED BY: SAVELICKY
 DRAFTED BY: KAKETZ
 CHECKED BY: RATHOMPSON
 DESIGNED BY: SAVELICKY
 DESIGN SUPERVISOR: TA

ALTERED ON:	AFFIXED ON: 9-14-2016
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.


Thruway Authority | **Canal Corporation**

TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING TABLE OF GUIDE RAIL AND MARKER QUANTITIES	DRAWING NUMBER: GRT-2

WESTBOUND TABLE OF GUIDE RAIL AND MARKER QUANTITIES - RIGHT SHOULDER

LOCATION NUMBER	DRAWING NUMBER	ITEM 203.24---25 - SHOULDER BACKUP MATERIAL	ITEM 606.10 - BOX BEAM GUIDE RAILING	ITEM 606.11 - BOX BEAM MEDIAN BARRIER	ITEM 606.1203 - BOX BEAM GUIDE RAIL END ASSEMBLY, TYPE III	ITEM 606.1403 - BOX BEAM MEDIAN BARRIER END ASSEMBLY, TYPE C	ITEM 606.17 - CORRUGATED BEAM MEDIAN BARRIER	ITEM 606.18 - MODIFIED G2 WEAK-POST CORRUGATED BEAM GUIDE RAIL	ITEM 606.22 - ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	ITEM 606.24 - ANCHORAGE UNITS FOR CORRUGATED BEAM MEDIAN BARRIER	ITEM 606.3042 - SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	ITEM 606.3062 - SINGLE-SLOPE HALF SECTION BARRIER (PRECAST)	ITEM 606.5920 - RESET BOX BEAM END ASSEMBLY	ITEM 606.59200125 - RESET END TERMINAL FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.69200125 - REMOVING AND STORING END TERMINAL FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.71 - REMOVE AND DISPOSE OF CORRUGATED BEAM GUIDE RAIL	ITEM 606.73 - REMOVE AND DISPOSE BOX BEAM GUIDE RAILING	ITEM 606.74 - REMOVE AND DISPOSE BOX BEAM MEDIAN BARRIER	ITEM 606.75 - REMOVE AND DISPOSE CONCRETE BARRIER	ITEM 606.7910 - REMOVE AND DISPOSE OF ANCHOR UNIT/CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.79200125 - REMOVE AND DISPOSE END ASSEMBLY FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.8803 - TRANS. BETWEEN BOX BEAM RAIL & SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	ITEM 606.8805 - TRANS. BETWEEN BOX BEAM MED. BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER	ITEM 606.92010125 - REPLACE GUIDE RAIL SPLICE BOLTS	ITEM 606.93010125 - ADJUST HEAVY POST BLOCKED-OUT (HPBO) GUIDE RAIL	ITEM 621.05020004 - PREPARING GRADE FOR VEGETATION CONTROL STRIP	ITEM 646.0801-25 INSTALL SNOWFLOW MARKER, SINGLE UNIT	ITEM 646.0802--25 - INSTALL SNOWFLOW MARKER, DOUBLE UNIT	ITEM 647.51 - REMOVE AND DISPOSE SIGN PANEL ASSEMBLY SIZE 1 (UNDER 30 SQUARE FEET)	
		TON	FT	FT	EA	EA	FT	FT	EA	EA	FT	FT	EA	EA	EA	FT	FT	FT	FT	EA	EA	EA	EA	EA	EA	FT	FT	EA	EA	EA
26	BRIDGE	-	18	-	-	-	-	-	-	-	-	60	-	-	-	-	126	-	80	-	-	1	-	-	-	-	-	-	-	-
27	SEE NOTE 2	-	36	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
28	SEE NOTE 2	-	36	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
29	BRIDGE	-	18	-	-	-	-	-	-	-	-	60	-	-	-	-	144	-	100	-	-	-	-	-	-	-	-	-	-	
30	SEE NOTE 2	-	36	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
31	SEE NOTE 2	-	36	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
32	SEE NOTE 2	-	36	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
33	PL-23	-	36	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
34	PL-23	-	18	-	-	-	-	-	-	-	-	60	-	-	-	-	126	-	80	-	-	1	-	-	-	-	-	-	-	
35	PL-17	-	18	-	-	-	-	-	-	-	-	60	-	-	-	-	126	-	80	-	-	1	-	-	-	-	-	-	-	
36	PL-14	-	-	-	-	-	-	212.5	-	-	-	-	-	-	-	212.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
37	PL-14	-	18	-	-	-	-	-	-	-	-	60	-	-	-	-	126	-	80	-	-	1	-	-	-	-	-	-	-	
38	PL-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
39	PL-5	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
40	PL-3	-	18	-	-	-	-	-	-	-	-	65	-	-	-	-	126	-	80	-	-	1	-	-	-	-	-	-	-	
41	PL-2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
42	PL-1	-	18	-	-	-	-	-	-	-	-	65	-	-	-	-	126	-	80	-	-	1	-	-	-	-	-	-	-	
42	PL-1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WB TOTAL		-	342	-	6	-	-	212.5	-	-	-	430	1	2	-	212.5	900	-	580	-	6	5	-	-	-	-	-	-	-	
EB TOTAL		-	808	-	6	-	100	1350	3	1	-	430	-	-	-	1656	1062	-	580	4	6	7	-	592	782.5	720	-	-	1	
EB/WB TOTAL		-	1150	-	12	-	100	1562.5	3	1	-	860	1	2	-	1868.5	1962	-	1060	4	12	12	-	592	782.5	720	-	-	1	

NOTES:

- INSTALL GUIDERAIL END SECTION WITH THE END PLATE DISTANCE "E" AT 1'-5 1/2" AS SHOWN ON TABLE 1 OF STANDARD SHEET 606-06.
- LOCATIONS #27, #28, #30, #31 AND #32 ARE NOT SHOWN ON PLAN SHEETS. THEY ARE LOCATED AT THE FOLLOWING MILEPOSTS:
 #27 - MP 262.087
 #28 - MP 265.770
 #30 - MP 266.181
 #31 - MP 267.012
 #32 - MP 267.849

CHECKED BY: SAVELICKY

DRAFTED BY: KAKETZ

CHECKED BY: RATHOMPSON

DESIGNED BY: SAVELICKY

DESIGN SUPERVISOR: TA

ALTERED ON:	AFFIXED ON: 9-14-2016
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.

 **Thruway Authority** | **Canal Corporation**

TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING TABLE OF GUIDE RAIL AND MARKER QUANTITIES	DRAWING NUMBER: GRT-3

MEDIAN TABLE OF GUIDE RAIL AND MARKER QUANTITIES - RIGHT SHOULDER

LOCATION NUMBER	DRAWING NUMBER	ITEM 203.24-25 - SHOULDER BACKUP MATERIAL	ITEM 606.10 - BOX BEAM GUIDE RAILING	ITEM 606.11 - BOX BEAM MEDIAN BARRIER	ITEM 606.1203 - BOX BEAM GUIDE RAIL END ASSEMBLY, TYPE III	ITEM 606.1403 - BOX BEAM MEDIAN BARRIER END ASSEMBLY, TYPE C	ITEM 606.17 - CORRUGATED BEAM MEDIAN BARRIER	ITEM 606.18 - MODIFIED C2 WEAK-POST CORRUGATED BEAM GUIDE RAIL	ITEM 606.2801 - HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER	ITEM 606.24 - ANCHORAGE UNITS FOR CORRUGATED BEAM MEDIAN BARRIER	ITEM 606.3042 - SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	ITEM 606.5601 - RESETTING HPBO CORRUGATED BEAM MEDIAN BARRIER	ITEM 606.5920 - RESET BOX BEAM END ASSEMBLY	ITEM 606.69200125 - REMOVING AND STORING END TERMINAL FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.72 - REMOVE AND DISPOSE OF CORRUGATED BEAM MEDIAN BARRIER	ITEM 606.7201 - REMOVE AND DISPOSE HPBO (MOD) CORRUGATED MEDIAN BARRIER	ITEM 606.73 - REMOVE AND DISPOSE BOX BEAM GUIDE RAILING	ITEM 606.74 - REMOVE AND DISPOSE BOX BEAM MEDIAN BARRIER	ITEM 606.75 - REMOVE AND DISPOSE CONCRETE BARRIER	ITEM 606.7910 - REMOVE AND DISPOSE OF ANCHOR UNIT/CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.7920 - REMOVING, AND DISPOSING BOX BEAM GUIDE RAILING END ASSEMBLY	ITEM 606.79200125 - REMOVE AND DISPOSE END ASSEMBLY FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	ITEM 606.7930 - REMOVE AND DISPOSE BOX BEAM MEDIAN BARRIER END ASSEMBLY, TYPE A	ITEM 606.8805 - TRANS, BETWEEN BOX BEAM MED. BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER	ITEM 606.8906 - TRANSITION - HPBO (MOD) CORRUGATED BEAM MEDIAN BARRIER	ITEM 606.93010125 - ADJUST HEAVY POST BLOCKED-OUT (HPBO) GUIDE RAIL	ITEM 646.0801-25 INSTALL SNOWFLOW MARKER, SINGLE UNIT	ITEM 646.0802--25 - INSTALL SNOWFLOW MARKER, DOUBLE UNIT	
		TON	FT	FT	EA	EA	FT	FT	FT	EA	FT	FT	EA	EA	FT	FT	FT	FT	FT	EA	EA	EA	EA	EA	EA	FT	FT	EA	EA
43	PL-8	-	-	18	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
44	PL-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-	-
45	PL-11	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
46	PL-12	-	-	18	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
47	PL-17	-	36	18	-	-	-	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
48	PL-17	-	-	306	-	1	-	-	-	-	100	-	-	1	-	-	450	-	-	-	1	1	-	1	-	-	-	-	-
49	PL-28	-	-	18	-	1	-	-	-	-	60	-	-	1	-	-	162	-	-	-	1	1	-	1	-	-	-	-	-
50	PL-27	-	-	18	-	1	-	-	-	-	60	-	-	1	-	-	144	-	-	-	1	1	-	1	-	-	-	-	-
51	PL-28	-	-	-	-	-	-	-	-	-	60	-	-	-	-	162.5	-	-	-	1	-	-	-	-	-	1	-	-	-
52	PL-28	-	-	-	-	-	-	-	62.5	-	60	-	-	-	275	-	-	-	-	-	-	-	-	1	1	-	-	-	-
53	SEE NOTE 2	-	-	18	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
54	SEE NOTE 2	-	-	18	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
55	SEE NOTE 2	-	-	18	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
56	SEE NOTE 2	-	-	18	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
57	SEE NOTE 2	-	-	18	-	1	-	-	-	-	100	-	-	-	-	-	162	-	-	-	-	1	1	1	-	-	-	-	-
58	SEE NOTE 2	-	-	18	-	1	-	-	-	-	100	-	-	-	-	-	162	-	-	-	-	1	1	1	-	-	-	-	-
59	SEE NOTE 2	-	-	-	-	-	-	-	50	-	100	50	-	-	-	300	-	-	-	-	-	1	-	-	1	-	-	-	-
60	SEE NOTE 2	-	-	-	-	-	50	-	50	-	100	-	-	-	300	-	-	-	-	1	-	-	-	-	1	-	-	-	-
MEDIAN TOTAL		-	36	504	-	11	50	-	100	1	840	50	-	3	575	462.5	756	504	-	3	3	12	2	7	4	75	-	-	

NOTES:

- INSTALL GUIDERAIL END SECTION WITH THE END PLATE DISTANCE "E" AT 1'-5½" AS SHOWN ON TABLE 1 OF STANDARD SHEET 606-06.
- LOCATIONS #53, #54, #55, #56, #57, #58, #59 AND #60 ARE NOT SHOWN ON THE GENERAL PLAN SHEETS. THEY ARE LOCATED AT THE FOLLOWING MILEPOSTS:
 #53 - MP 266.687
 #54 - MP 266.646
 #55 - MP 266.027
 #56 - MP 265.590
 #57 - MP 266.0
 #58 - MP 266.0
 #59 - MP 262.11
 #60 - MP 262.11

CHECKED BY: SAVELICKY

DRAFTED BY: KAKETZ

CHECKED BY: PATTHOMPSON

DESIGNED BY: SAVELICKY

DESIGN SUPERVISOR: TA

ALTERED ON: _____ AFFIXED ON: 9-14-2016

SIGNATURE: _____ SIGNATURE: _____

STAMP: _____ STAMP: _____



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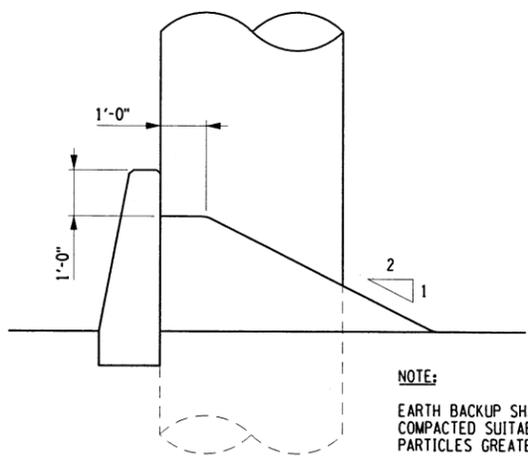
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway Authority | **Canal Corporation**

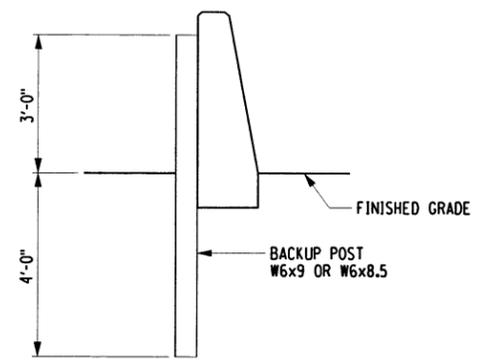
TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING TABLE OF GUIDE RAIL AND MARKER QUANTITIES	DRAWING NUMBER: GRT-4

DESIGNED BY: SAVELICKY
CHECKED BY: MASTROIANNI
DRAFTED BY: PATHOMPSON
CHECKED BY: KAKETZ
CHECKED BY: SAVELICKY

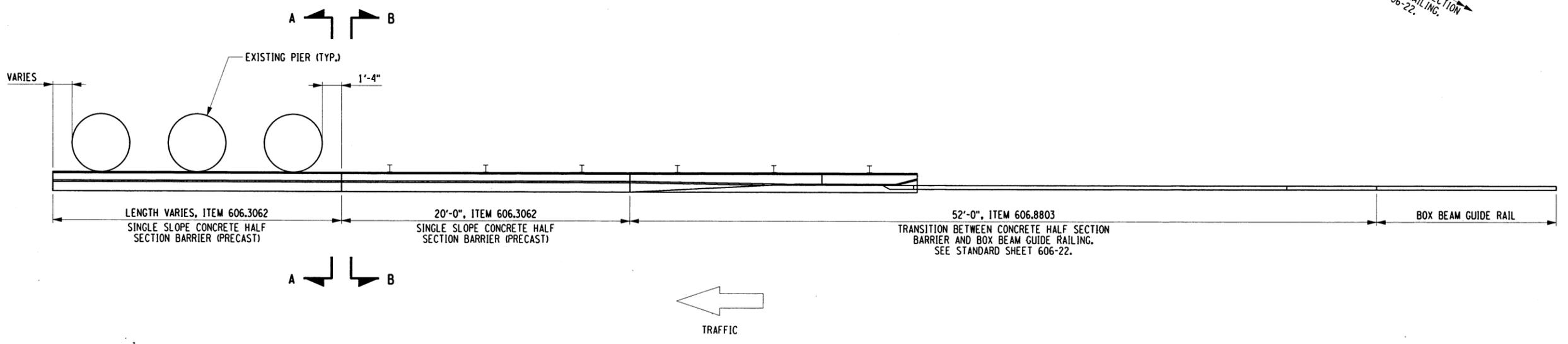
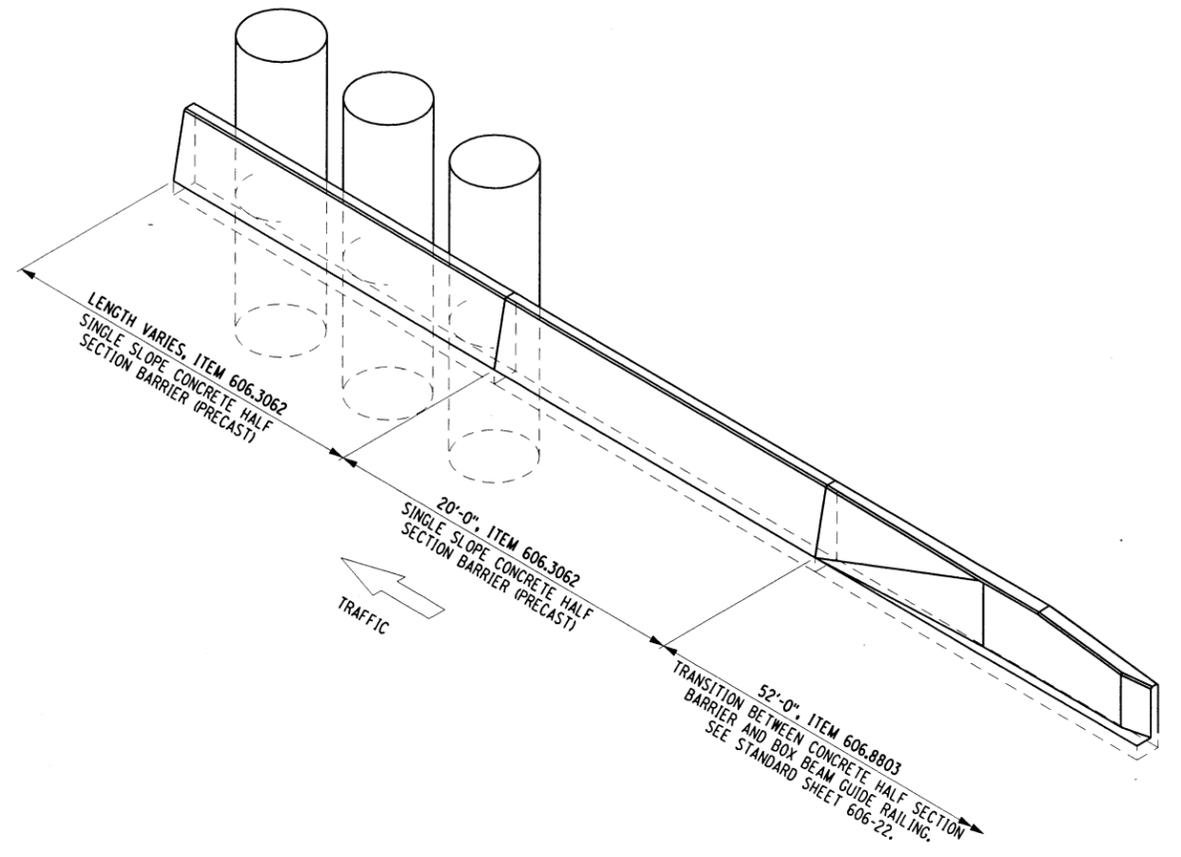


SECTION A-A
SINGLE-SLOPE PRECAST CONCRETE HALF SECTION BARRIER WITH EARTH BACKUP

NOTE:
EARTH BACKUP SHALL CONSIST OF FULLY COMPACTED SUITABLE MATERIALS HAVING NO PARTICLES GREATER THAN 1/2" INCLUDED.



SECTION B-B
SINGLE-SLOPE CONCRETE HALF SECTION BARRIER WITH BACKUP POST



RIGHT SIDE APPROACH TO BRIDGE PIER

ALTERED ON:	AFFIXED ON: 9-14-2016
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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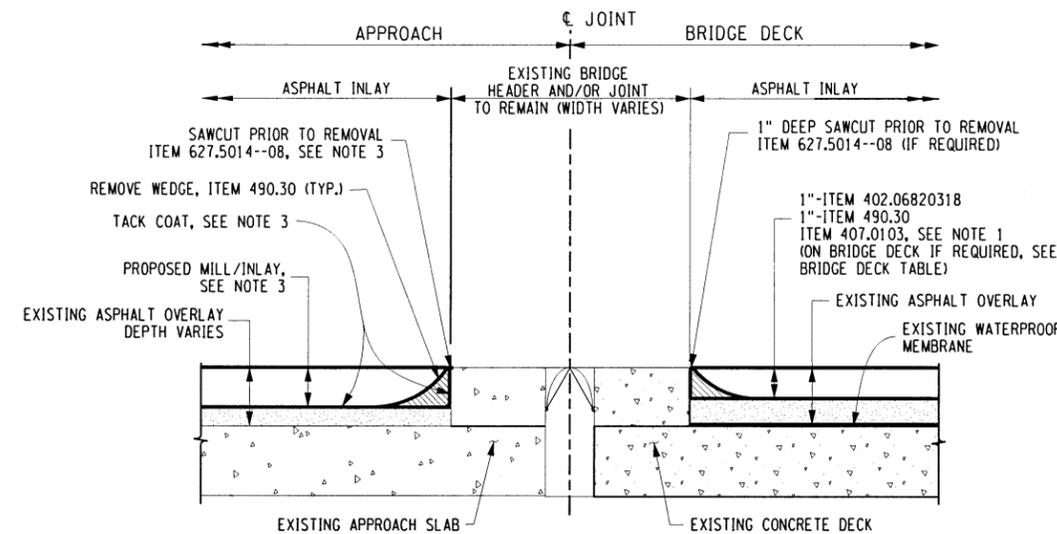
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority | **Canal Corporation**

TITLE OF PROJECT:
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
 LOCATION OF PROJECT:
SYRACUSE DIVISION
MP 262.0 - MP 279.3
 TITLE OF DRAWING:
GUIDE RAIL DETAIL

CONTRACT NUMBER:
TAS 16-31
 DATE:
3/22/16
 DRAWING NUMBER:
GRD-1

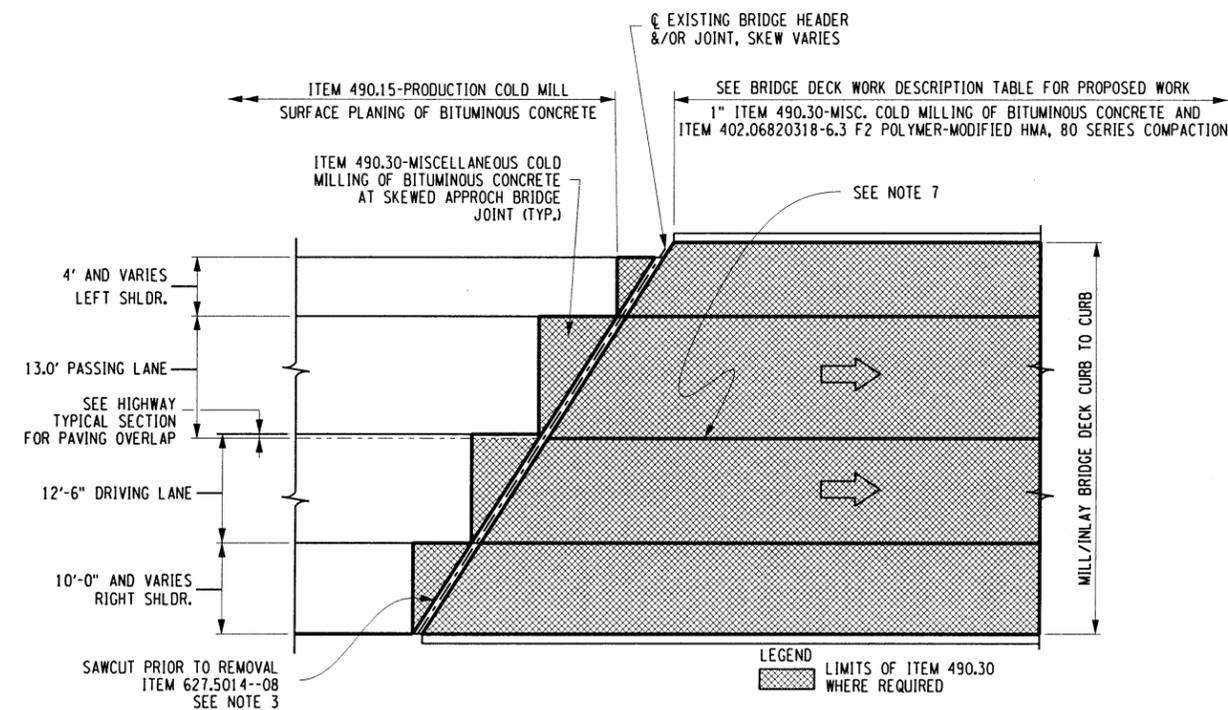
BRIDGE DECK WORK DESCRIPTION TABLE								
LOCATION MILEPOST	BIN NUMBER	DESCRIPTION	DECK AREA (SF)	# OF JOINTS TO BE MILLED	JOINT SKEW ANGLE	TYPE OF WORK	PAVING ITEM 402.06820318 (TON)	MISC. MILLING ITEM 490.30 (SY) DECK
273.16	5510021	CHITTENANGO CREEK (WB)	5,376	2	0	1" MILL AND INLAY	34	600
273.17	5510022	CHITTENANGO CREEK (EB)	5,376	2	0	1" MILL AND INLAY	34	600
274.18	5510041	LIMSTONE CREEK (WB)	5,376	2	0	1" MILL AND INLAY	34	600
274.19	5510042	LIMSTONE CREEK (EB)	5,376	2	0	1" MILL AND INLAY	34	600
274.78	5510061	BUTTERNUT CREEK (WB)	3,808	2	0	1" MILL AND INLAY	24	425
274.79	5510062	BUTTERNUT CREEK (EB)	3,808	2	0	1" MILL AND INLAY	24	425
TOTALS:							184	3,250



SECTION VIEW OF ASPHALT PAVEMENT REBATE AT BRIDGE JOINTS
N.T.S.

NOTES:

- STRAIGHT TACK COAT (ITEM 407.0103) SHALL BE APPLIED TO ALL MILLED BRIDGE DECK SURFACES.
- SAW CUT, MILL, TACK COAT, AND INLAY BOTH SIDES OF BRIDGE JOINTS WHERE WORK IS REQUIRED ON DECK.
- PERFORM WORK TO MATCH HIGHWAY MILL/INLAY SECTION.
- SEE BRIDGE DECK WORK DESCRIPTION TABLE FOR EXISTING SKEW ANGLE AND DECK AREA.
- CROSS SLOPE VARIES FROM NORMAL CROWN TO FULL SUPERELEVATION (BOTH BANKED LEFT AND RIGHT). THE PROPOSED CROSS SLOPE SHALL MATCH THE EXISTING CROSS SLOPE.
- THE INFORMATION ON THIS DRAWING IS INTENDED TO IDENTIFY EXISTING BRIDGE JOINTS AND CONCRETE HEADERS AND ADDITIONAL REQUIREMENTS ASSOCIATED WITH ITEMS 490.30, AND 627.5014--08. IT IS NOT INTENDED TO IDENTIFY THE EXACT DEPTH OF THE EXISTING ASPHALT OVERLAY ON THE STRUCTURES NOTED.
- A MILLING AND PAVING OVERLAP IS NOT REQUIRED ON BRIDGE DECK(S).



TYPICAL BRIDGE JOINT AND DECK MILLING OPERATION PLAN
N.T.S.

CHECKED BY: TA

DRAFTED BY: TA

CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA

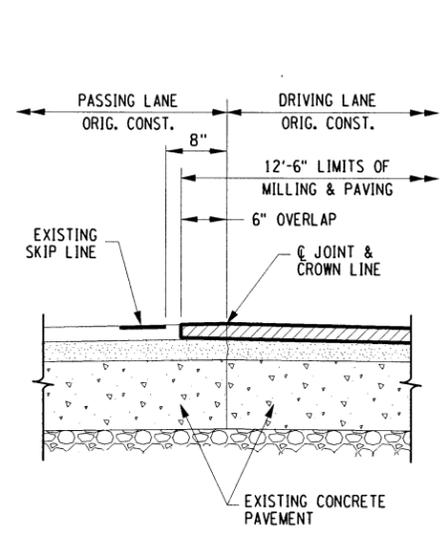
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SIGNATURE: STAMP:	SIGNATURE: STAMP:

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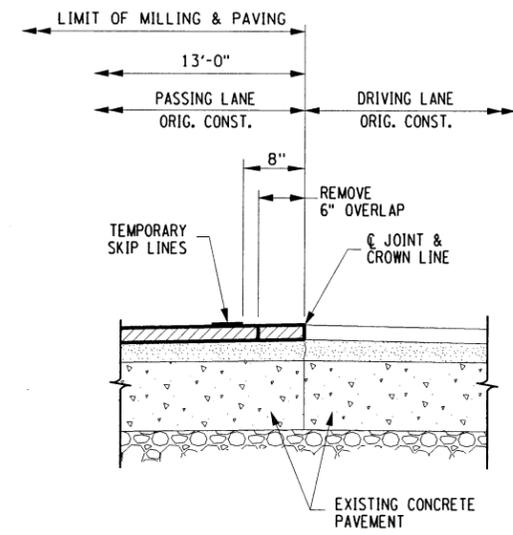
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority Canal Corporation	TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
	LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING MISCELLANEOUS DETAILS BRIDGE JOINT MILLING		DRAWING NUMBER: MSD-1

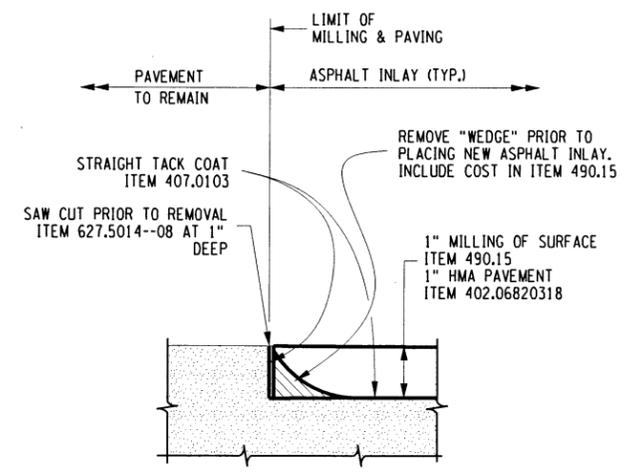
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 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA



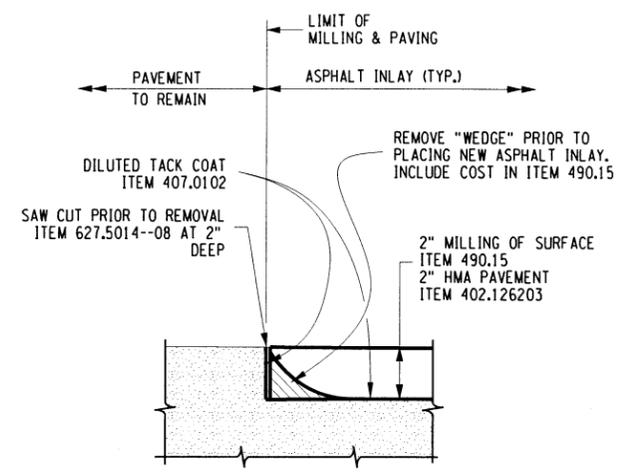
LONGITUDINAL DRIVING LANE JOINT FIRST PASS
N.T.S.



LONGITUDINAL DRIVING LANE JOINT SECOND PASS
N.T.S.



1" ASPHALT PAVEMENT REBATE
N.T.S.



2" ASPHALT PAVEMENT REBATE
N.T.S.

NOTE:
TACK COAT VERTICAL SIDES. REFER TO STANDARD SPEC. TABLE 407-1, TACK COAT APPLICATION RATES, IN THE CONTRACT PROPOSAL.

- ITEMS**
- 402.06820318 - 6.3 F2 POLYMER MODIFIED HMA, 80 SERIES COMPACTION
 - 402.126203 - 12.5 TOP COURSE HMA, 60 SERIES COMPACTION
 - 407.0102 - DILUTED TACK COAT
 - 407.0103 - STRAIGHT TACK COAT
 - 490.15 - PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE
 - 490.30 - MISC. COLD MILLING OF BITUMINOUS CONCRETE
 - 627.5014--08 - CUTTING PAVEMENT

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING MISCELLANEOUS DETAILS PAVEMENT MILLING	DRAWING NUMBER: MSD-2

ALTERED ON: 9-14-2016

AFFIXED ON: 9-14-2016

SIGNATURE: [Signature]

STAMP: [Professional Engineer Seal for M. Michael Pegarely, No. 073675]

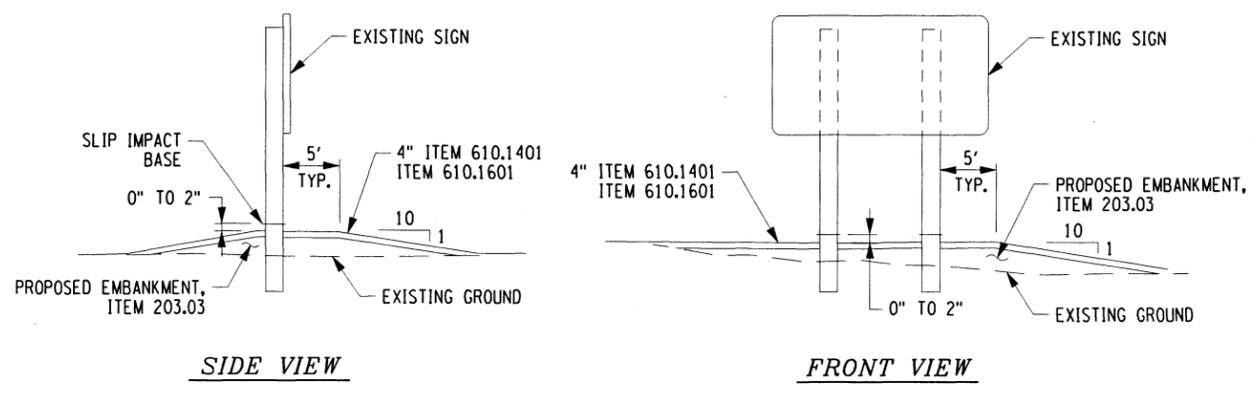
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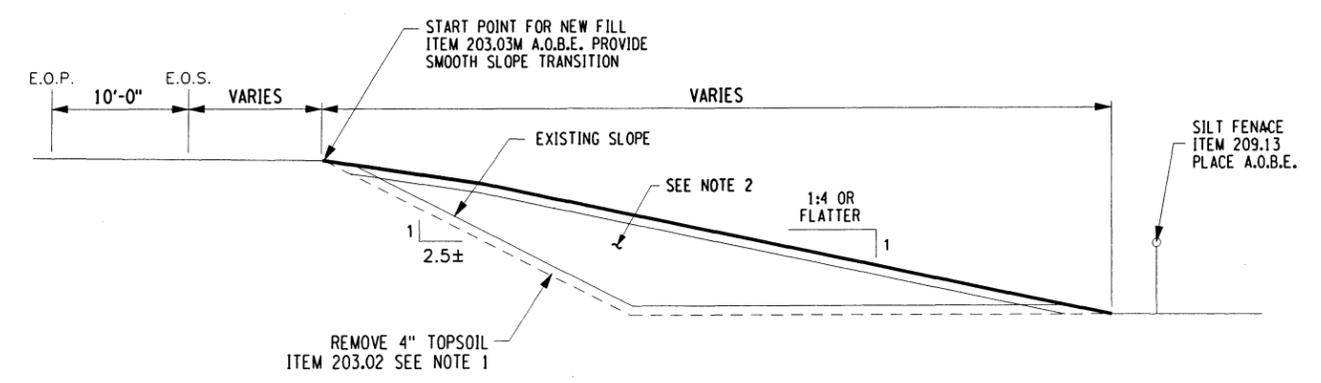
CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



GRADING AROUND SIGN BASE
N.T.S.



FILL SLOPE - FLATTENING SECTION
 MP 276.05 - MP 276.10 WB RIGHT SIDE AND
 MP 275.96 - MP 275.98 MEDIAN WB RIGHT SIDE
 N.T.S.

NOTES:

1. REMOVE AND STORE 4" TOPSOIL A.O.B.E. AND STOCKPILE IT UNDER ITEM 610.1401 - TOPSOIL - REUSE ON-SITE MATERIALS.
2. BACKFILL NEW SLOPE WITH ITEM 203.03. PLACE 4" OF TOP SOIL OVER FILL - ITEM 613.1402 AND ESTABLISH TURF - ITEM 610.1601.
3. GRADE TO ACHIEVE A MINIMUM 1 ON 4 SLOPE. SLOPE MAY BE FLATTENED FURTHER IN NON-ENVIRONMENTALLY SENSITIVE AREAS, A.O.B.E.
4. EXISTING SITE CONDITIONS WILL INFLUENCE THE LOCATIONS OF SILT FENCING. THE ACTUAL LOCATIONS AND CONFIGURATION SHALL BE A.O.B.E.
5. THE THRUWAY'S FIBER OPTIC "BACKBONE" IS LOCATED WITHIN THE LIMITS OF THIS PROJECT. THE APPROXIMATE LOCATION IS SHOWN ON THE GENERAL PLANS. THE CONTRACTOR IS ADVISED TO CONTACT DIG SAFELY NY AT 1-800-962-7962 PRIOR TO ANY EXCAVATION AND/OR GUIDE RAIL INSTALLATION.
6. ALL EXISTING SLOPES STEEPER THAN OR EQUAL TO 1:3 SHALL BE BENCHED IN ACCORDANCE WITH STANDARD SHEET 203-02 PRIOR TO PLACING FILL.
7. TEST PITS, ITEM 206.05, AT SITES A.O.B.E.

ALTERED ON:	AFFIXED ON: 9-14-2016
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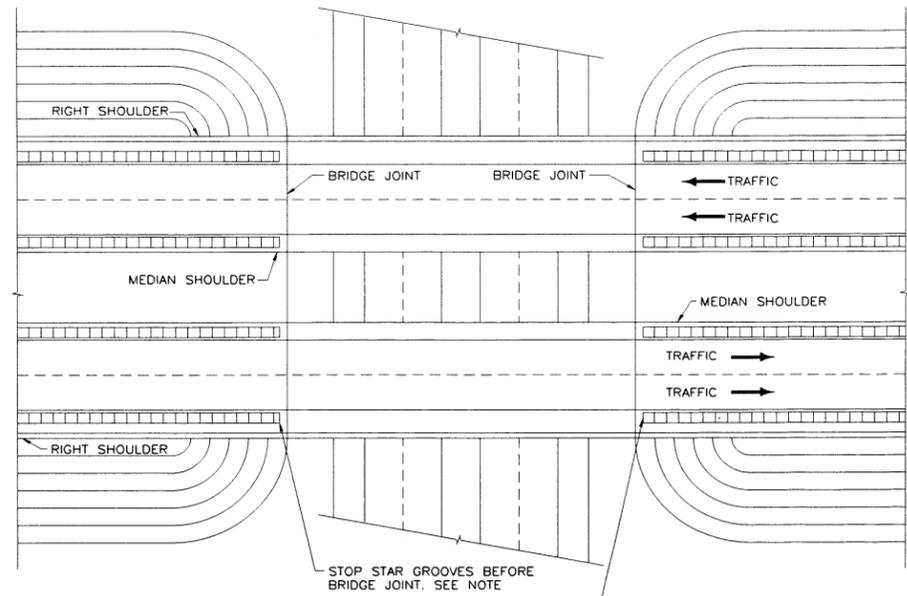
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY
Thruway Authority | **Canal Corporation**

TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
 LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3
 TITLE OF DRAWING
MISCELLANEOUS DETAILS

CONTRACT NUMBER:
TAS 16-31
 DATE:
3/22/16
 DRAWING NUMBER:
MSD-3

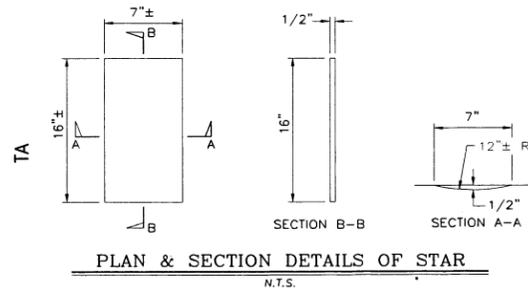
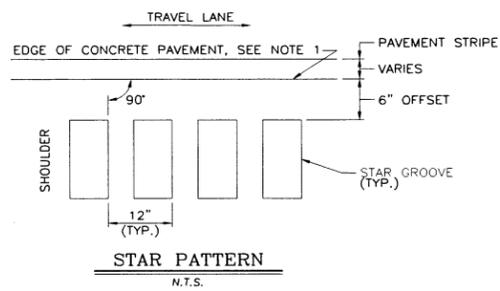


NOTE:
STAR GROOVE SHALL NOT BE PLACED CLOSER THAN 2FT TO ANY BRIDGE JOINT.

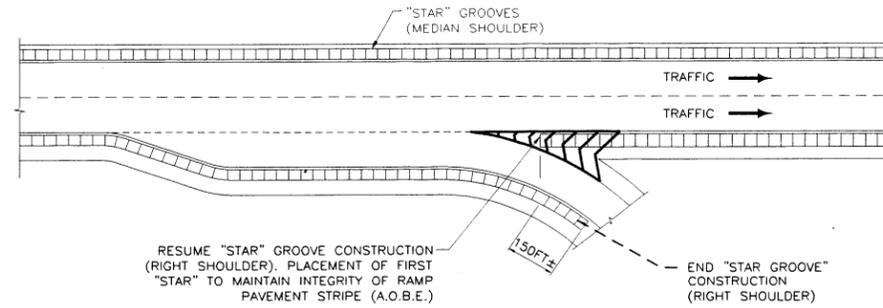
RESUME STAR GROOVES AFTER BRIDGE JOINT

NOTE:
2 LANE PAVEMENT SHOWN-3 AND 4 LANE PAVEMENT AREAS ARE SIMILAR.

"STAR" GROOVE CONSTRUCTION PLAN
BRIDGE DETAIL
N.T.S.

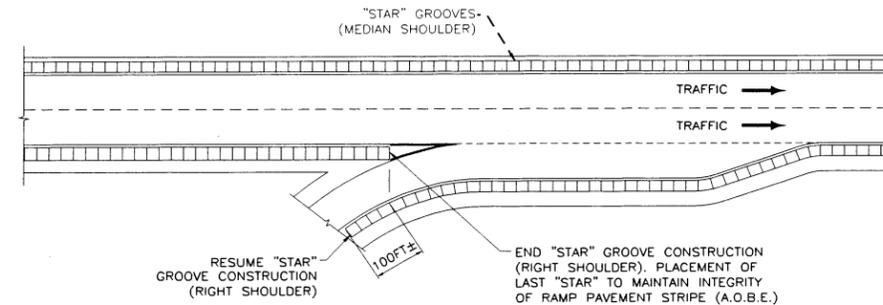


- NOTES:
- STAR ALIGNMENT SHALL GENERALLY BE STRAIGHT AND OFFSET APPROX. 6" FROM THE ORIGINAL EDGE OF PAVEMENT FOR REHABILITATION PROJECTS AND 6" FROM THE NEW EDGE OF PAVEMENT FOR RECONSTRUCTION PROJECTS, UNLESS SHOWN OTHERWISE ON THE TYPICAL SECTION. THE EDGE OF CONCRETE PAVEMENT WILL NOT BE VISIBLE ON COMPOSITE PAVEMENTS.
 - THE 1/2" DEPTH SHALL GENERALLY APPLY FOR THE ENTIRE 16" LENGTH. SOME VARIATION TO SUIT SHOULDER SLOPE BREAKS MAY BE NECESSARY.

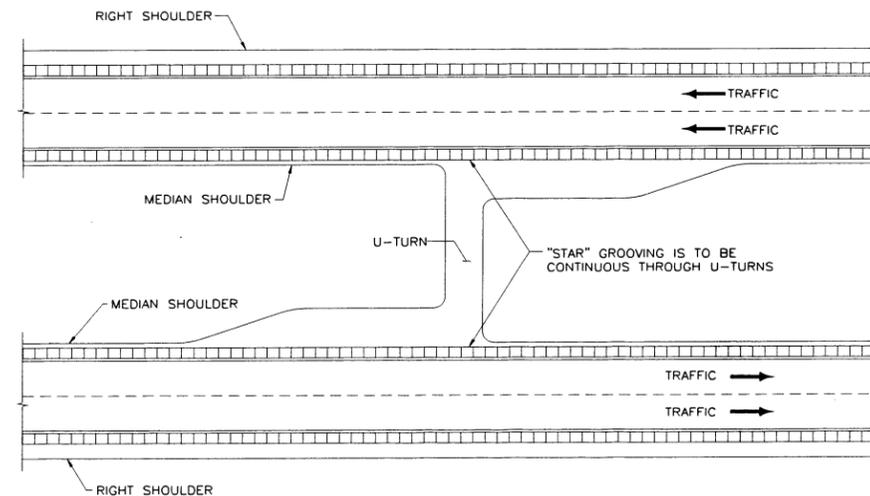


"STAR" GROOVE CONSTRUCTION PLAN
DECELERATION LANE DETAIL D-1
INTERCHANGES, SERVICE AREAS & PARKING AREAS
N.T.S.

NOTE:
STAR GROOVES ARE NOT TO BE PLACED ON OR NEAR LONGITUDINAL CONSTRUCTION JOINTS. THE CONTRACTOR SHALL ADJUST PLACEMENT OF THE "STARS" SO THAT THE EDGE OF THE STAR GROOVES ARE NO CLOSER THAN 6 INCHES FROM ANY LONGITUDINAL JOINT.



"STAR" GROOVE CONSTRUCTION PLAN
ACCELERATION LANE DETAIL A-1
INTERCHANGES, SERVICE AREAS & PARKING AREAS
N.T.S.



"STAR" GROOVE CONSTRUCTION PLAN
U-TURN DETAIL
N.T.S.

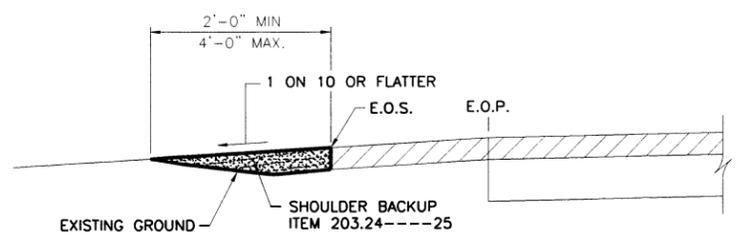
REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY

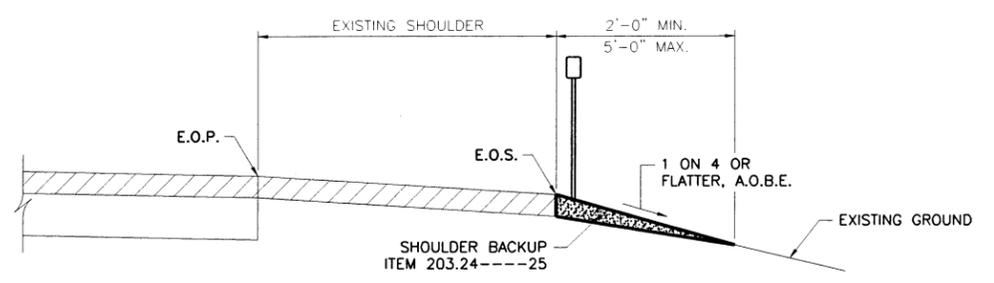
Thruway Authority | **Canal Corporation**

TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE 3/22/16
TITLE OF DRAWING MISCELLANEOUS DETAILS STAR GROOVES	DRAWING NUMBER MSD-4

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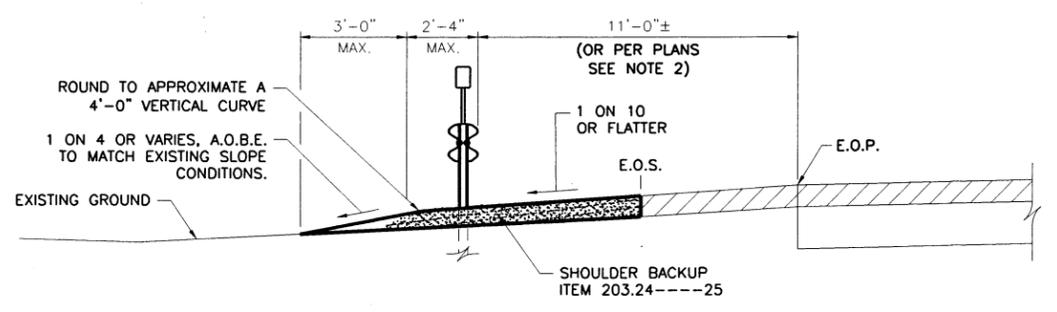


LEFT SHOULDER BACKUP WHEN MEDIAN GUIDE RAIL IS LOCATED > 11' FROM EOP
N.T.S.

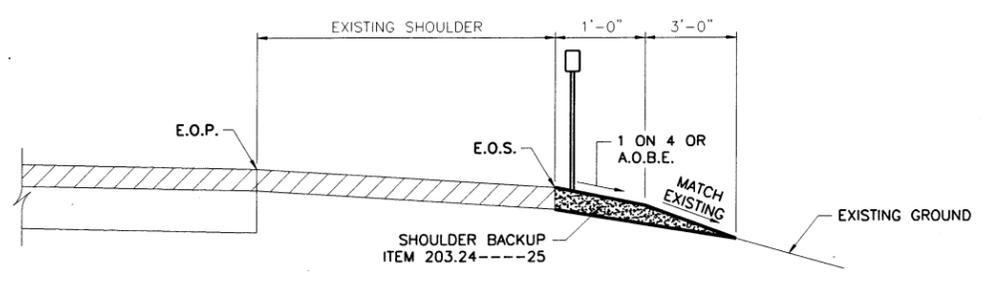


RIGHT SHOULDER BACKUP WITHOUT GUIDE RAIL AT SLOPES FLATTER THAN 1V:4H
N.T.S.

NOTE: RIGHT SHOULDER SHOWN, LEFT SHOULDER TREATMENT SIMILAR.

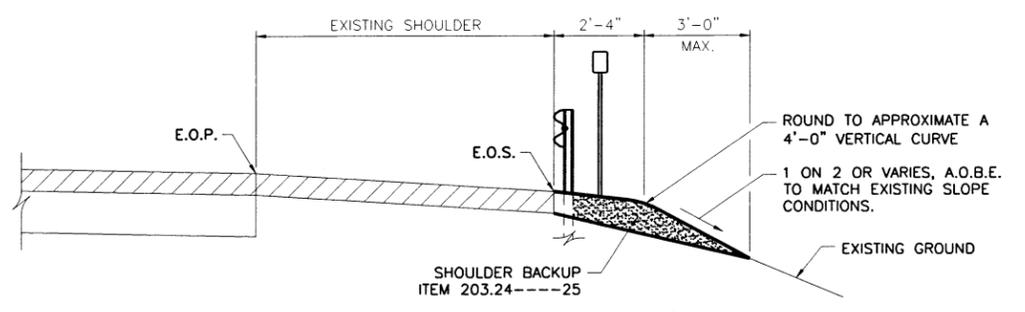


LEFT SHOULDER BACKUP AT EXISTING AND PROPOSED GUIDE RAIL LOCATIONS LOCATED AT 11' FROM EOP
N.T.S.



RIGHT SHOULDER BACKUP WITHOUT GUIDE RAIL AT SLOPES 1V:4H OR STEEPER
N.T.S.

NOTE: RIGHT SHOULDER SHOWN, LEFT SHOULDER TREATMENT SIMILAR.



RIGHT SHOULDER BACKUP AT EXISTING AND PROPOSED GUIDE RAIL LOCATIONS
N.T.S.

GENERAL NOTES:

1. SHOULDER BACKUP MATERIAL, ITEM 203.24----25, SHALL BE PLACED TO A RELATIVE CONSISTENT WIDTH AND SURFACE A.O.B.E.. THEREFORE, SHOULDER BACKUP MATERIAL SHALL BE PLACED AND COMPACTED UNDER AND BEHIND ALL EXISTING AND NEW GUIDE RAIL AND AT ALL TERMINALS PER NYS DOT STANDARD SHEETS 606-06 AND 606-11. SHOULDER BACKUP MATERIAL SHALL BE HAND WORKED AROUND ALL GUIDE RAIL POSTS. TO FACILITATE THIS WORK BETWEEN RUNS OF GUIDE RAIL, DELINEATORS, MILE MARKERS AND TENTH MILE MARKERS SHOULD BE REMOVED AND DISPOSED. NEW DELINEATORS, MILE MARKERS, AND TENTH MILE MARKERS SHALL BE INSTALLED AFTER FINAL GRADING IS COMPLETE.
2. SIMILAR DETAIL TO BE USED AT U-TURN DECELERATION LANE LOCATIONS WITH MEDIAN BARRIER (EXCEPT RAIL OFFSET WILL DIFFER PER PLAN).

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DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING SHOULDER BACKUP DETAILS (TYPICAL 1R PROJECTS)	DRAWING NUMBER: MSD-5

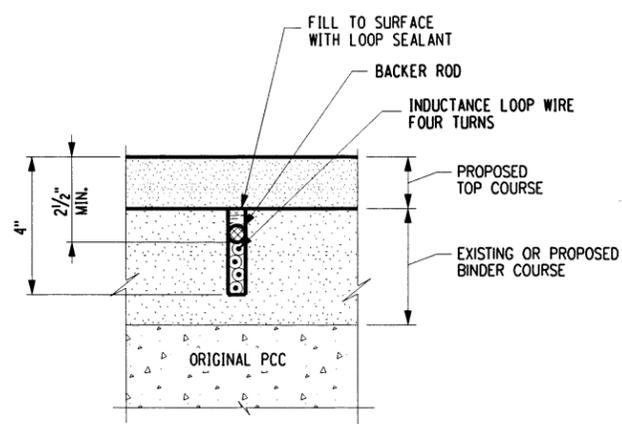
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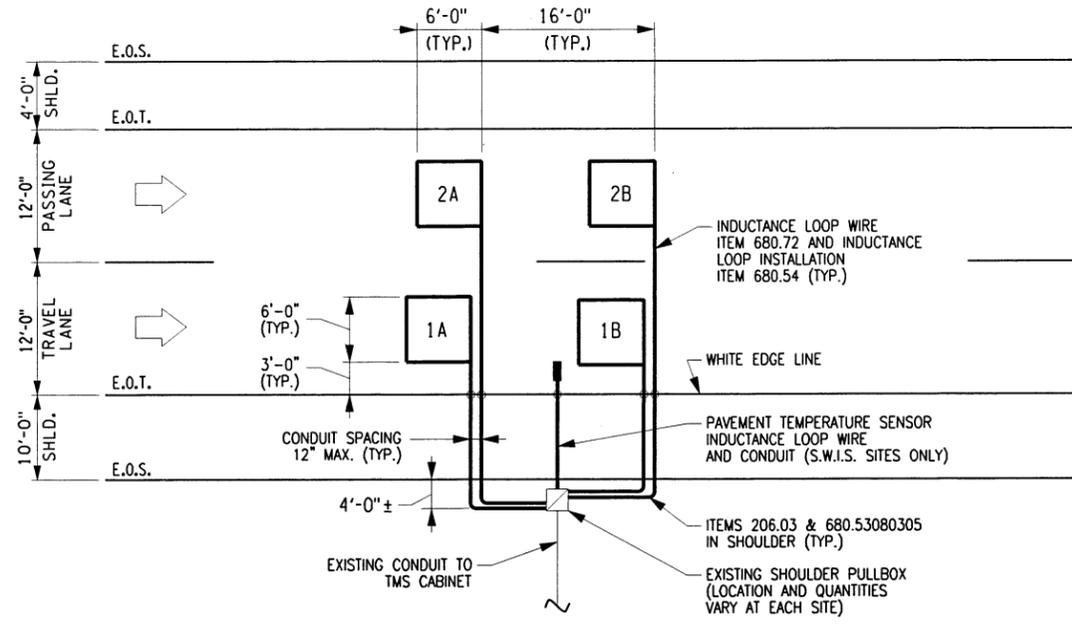
DESIGNED BY: TA

DESIGN SUPERVISOR: TA

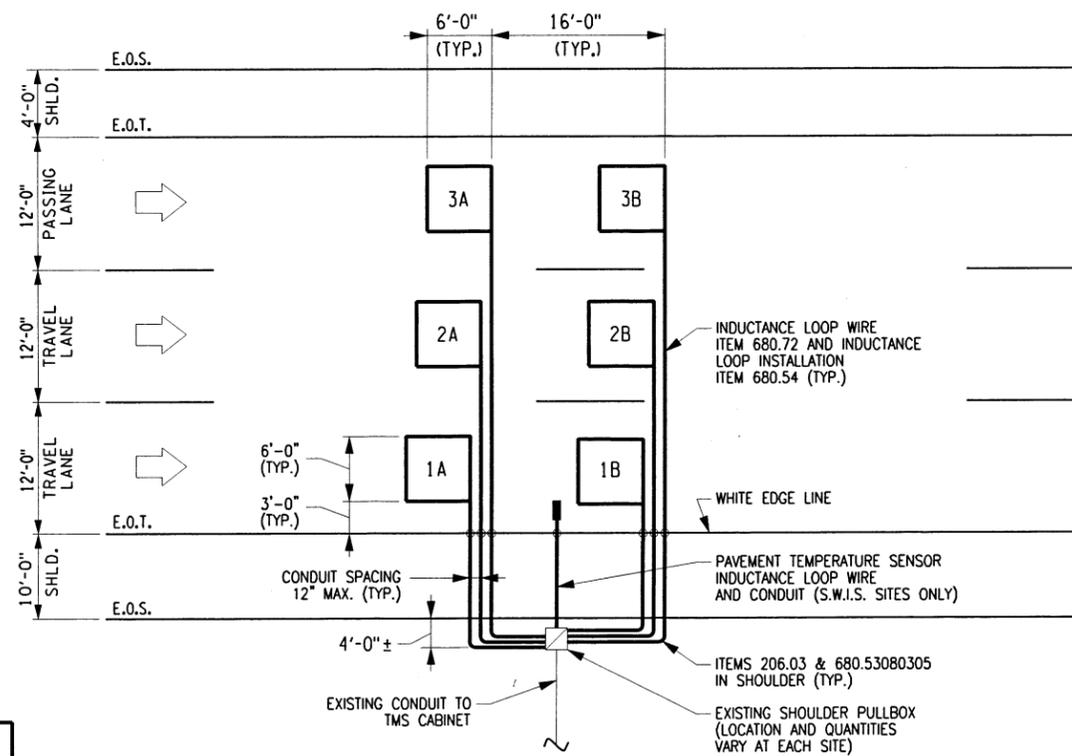


NOTE:
SAWCUTTING AND LOOP WIRE
INSTALLATION SHALL BE COMPLETED
PRIOR TO TOP COURSE PAVING.

INDUCTANCE LOOP WIRE - SECTION VIEW
N.T.S.



INDUCTANCE LOOPS - 2-LANE PLAN
N.T.S.



INDUCTANCE LOOPS - 3-LANE PLAN
N.T.S.

NOTE:
E.O.T. = EDGE OF TRAVEL LANE
E.O.S. = EDGE OF SHOULDER

TDS MILEPOST LOCATION	TRAVEL LANE QUANTITY	SEASONAL WEATHER INFORMATION SYSTEM (S.W.I.S.) SITE	ITEM 206.03 CONDUIT EXCAVATION & BACKFILL	ITEM 680.52080325 FLEXIBLE LIQUID TIGHT CONDUIT 1"	ITEM 680.54 INDUCTANCE LOOP INSTALLATION	ITEM 680.72 INDUCTANCE LOOP WIRE	REMARKS
273.3 WB	2	NO	80	80	220	860	
273.3 EB	2	YES	80	80	220	860	
277.4 WB	2	NO	80	80	220	860	
277.4 EB	2	NO	80	80	220	860	
TOTAL			320	320	880	3520	

INDUCTANCE LOOP INSTALLATION NOTES:

- EXISTING PULLBOXES, TMS CABINETS, FOUNDATIONS AND CABLES FROM THE PULLBOX(ES) TO THE CABINET(S) ARE ASSUMED TO BE IN SATISFACTORY CONDITION AND ARE TO REMAIN.
- REFER TO NYSDOT STANDARD SHEETS 680-04 AND 680-14. IF A CONFLICT EXISTS BETWEEN THE DETAILS ON THIS PLAN SHEET AND THE PROVISIONS OF THE STANDARD SHEETS, THE DETAILS ON THIS PLAN SHEET SHALL PREVAIL.
- PRIOR TO PAVING TOP COURSE, SAWCUT SLOTS IN BINDER COURSE AND INSTALL INDUCTANCE LOOPS ACCORDING TO THE CONTRACT DOCUMENTS. EXACT LOCATION SHALL BE DETERMINED BY THE ENGINEER.
- IF EXISTING CONDUIT IN SHOULDER CANNOT BE REUSED, SAWCUT SLOTS IN SHOULDER PAVEMENT AND INSTALL NEW 1-INCH FLEXIBLE LIQUIDTIGHT PVC CONDUIT FROM THE EDGE OF THE RIGHT TRAVEL LANE TO THE EDGE OF SHOULDER. THE COST FOR THIS WORK WILL BE PAID UNDER ITEMS 680.54 AND 680.52080325. EXCAVATE FROM EDGE OF SHOULDER TO EXISTING PULLBOX, INSTALL NEW CONDUIT AND BACKFILL. THE COST FOR THIS WORK WILL BE PAID UNDER ITEMS 206.03 AND 680.52080325.
- HOLES MAY BE DRILLED IN THE PULLBOX TO ACCOMMODATE THE INSTALLATION OF NEW CONDUIT. ALL PENETRATIONS SHALL BE SEALED ACCORDING TO THE NYSDOT STANDARD SHEETS. THE COST FOR THIS WORK SHALL BE INCLUDED IN ITEM 206.03.
- THE INDUCTANCE LOOP WIRES SHALL BE SOLDERED TO THE SHIELDED LEAD-IN CABLES BEFORE WATERPROOFING. MECHANICAL CONNECTIONS WILL NOT BE ACCEPTED.
- THE CONTRACTOR SHALL IDENTIFY THE INDUCTANCE LOOP WIRES BY PLACING WATERPROOF TAGS ON THE LEAD-IN CABLES INSIDE THE PULLBOXES. A WIRING DIAGRAM SHALL ALSO BE PROVIDED IN THE TMS CABINET. THE COST FOR THIS WORK SHALL BE INCLUDED IN ITEM 680.72.
- THE CONTRACTOR SHALL NOTIFY THE DIVISION ITSM SUPERVISOR AT LEAST TWO DAYS PRIOR TO PAVEMENT WORK IN THE VICINITY OF THE INDUCTANCE LOOPS IN ORDER TO DISCONNECT AND PREVENT DAMAGE TO THE TRAFFIC CLASSIFIER.
- THE CONTRACTOR SHALL NOTIFY THE DIVISION ITSM SUPERVISOR AT LEAST TEN WORKING DAYS PRIOR TO FINAL INSPECTION OF THE INDUCTANCE LOOP INSTALLATIONS.

PAVEMENT TEMPERATURE SENSOR INSTALLATION NOTES (S.W.I.S. SITES ONLY):

- THE PAVEMENT TEMPERATURE SENSOR FOR SEASONAL WEATHER INFORMATION SYSTEM (S.W.I.S.) SITES WILL BE SUPPLIED BY THE AUTHORITY. THE ENGINEER SHALL NOTIFY THE DIVISION ITSM SUPERVISOR ONE WEEK IN ADVANCE OF THE INTENDED INSTALLATION.
- THE PAVEMENT TEMPERATURE SENSOR SHALL BE INSTALLED 16 TO 17 1/2 INCHES INSIDE THE EDGE OF THE RIGHT TRAVEL LANE (WHITE EDGE LINE). EXACT LOCATION SHALL BE DETERMINED BY THE ENGINEER.
- THE SAWCUT FOR THE SENSOR LEAD-IN CABLES SHALL BE 2 1/2 INCHES DEEP. THE SAWCUT FOR THE SENSOR SHALL BE 1 INCH WIDE BY 4 INCHES LONG BY 2 1/2 INCHES DEEP. THE SENSOR SHALL BE INSTALLED 1 INCH BELOW THE TOP SURFACE OF THE ROADWAY.
- THE SENSOR WIRE SHALL BE INSTALLED IN THE SAWCUT AND PULLED THROUGH EXISTING CONDUIT. THE REMAINING END OF THE WIRE SHALL BE COILED IN THE PULLBOX OR TMS CABINET, A.O.B.E.
- IF EXISTING CONDUIT IN SHOULDER CANNOT BE REUSED, SAWCUT SLOTS IN SHOULDER PAVEMENT AND INSTALL NEW 1-INCH FLEXIBLE LIQUIDTIGHT PVC CONDUIT FROM THE EDGE OF THE RIGHT TRAVEL LANE TO THE EDGE OF SHOULDER. THE COST FOR THIS WORK WILL BE PAID UNDER ITEMS 680.54 AND 680.52080325. EXCAVATE FROM EDGE OF SHOULDER TO EXISTING PULLBOX, INSTALL NEW CONDUIT AND BACKFILL. THE COST FOR THIS WORK WILL BE PAID UNDER ITEMS 206.03 AND 680.52080325.

ALTERED ON: _____ AFFIXED ON: 9-14-2016

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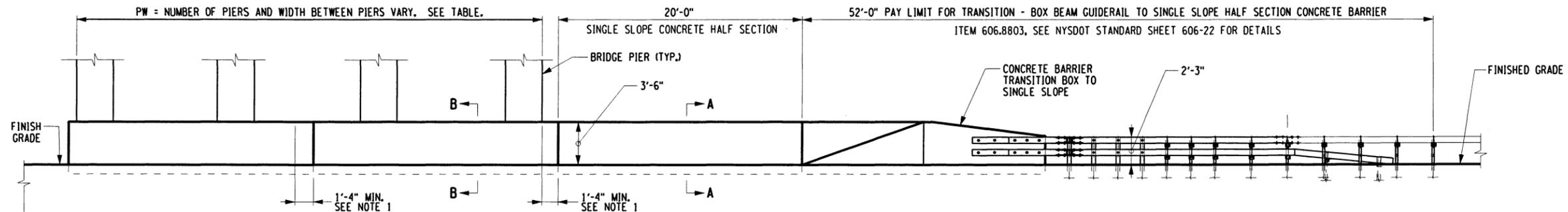
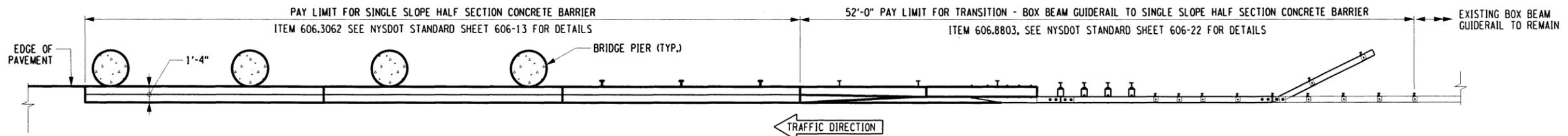
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY | **Thruway Authority** | **Canal Corporation**

TITLE OF PROJECT: 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
 LOCATION OF PROJECT: SYRACUSE DIVISION MP 262.0 - MP 279.3
 TITLE OF DRAWING: MISCELLANEOUS DETAILS INDUCTANCE LOOP INSTALLATION DETAILS

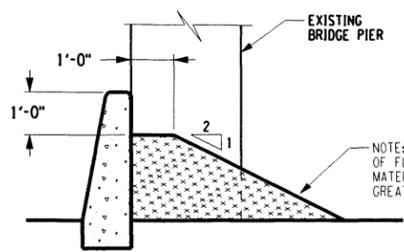
CONTRACT NUMBER: TAS 16-31
 DATE: 3/22/16
 DRAWING NUMBER: MSD-6



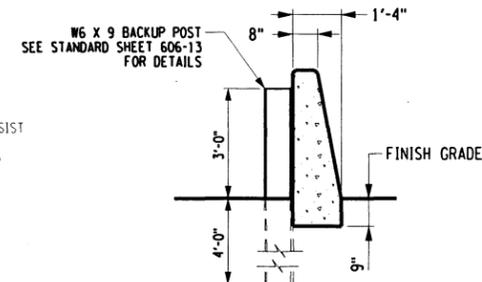
ELEVATION

PIER PROTECTION

FYLER RD. AND KIRKVILLE RD, WESTBOUND AND EASTBOUND RIGHT SHOULDER
KINNE RD, EASTBOUND SHOULDER



SECTION B-B



SECTION A-A

PIER WIDTH TABLE		
LOCATION	MILEPOST	(PW) WIDTH
FYLER RD	MP 269.37 WB	30.7'
	MP 269.37 EB	30.7'
KIRKVILLE RD	MP 271.84 WB	30.7'
	MP 271.84 EB	30.7'
N. MANLIUS RD	MP 273.29 EB	41.3'
	MP 273.29 WB	41.3'
ROUTE 298	MP 278.37 EB	41.3'
	MP 278.37 WB	41.3'
INT 35 RAMP	MP 278.93 EB	43.1'
	MP 278.93 WB	43.1'

NOTES:
1. 1'-4" MINIMUM CLEARANCE BETWEEN EDGE OF PIER AND JOINT TO PROVIDE ACCESS TO CONTINUITY PLATE.

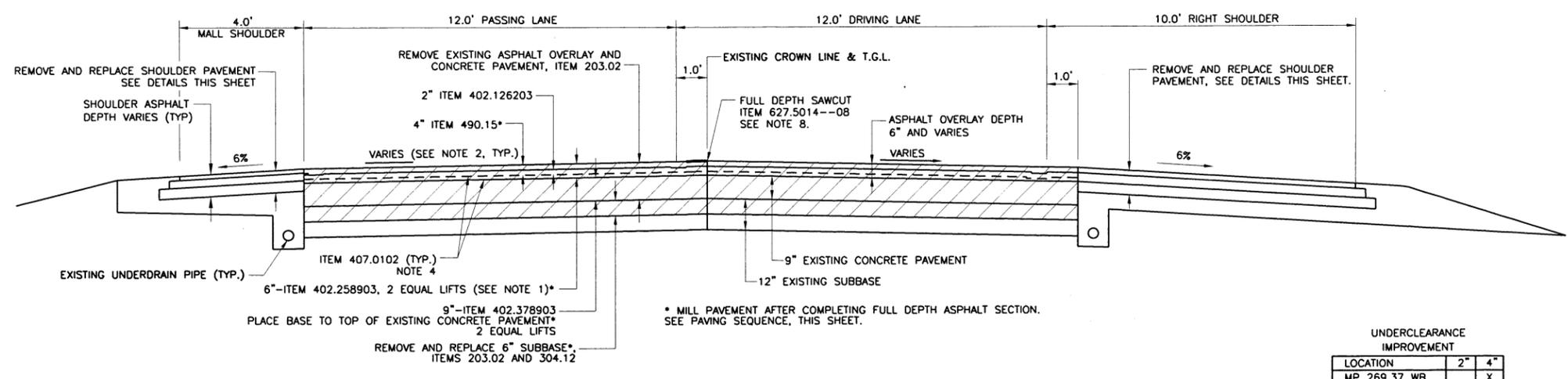
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING MISCELLANEOUS DETAILS GUIDERAIL RIGHT SHOULDER PIER PROTECTION	DRAWING NUMBER: MSD-7



**FULL DEPTH PAVEMENT SECTION
FOR BRIDGE UNDERCLEARANCE IMPROVEMENT**
NOT TO SCALE

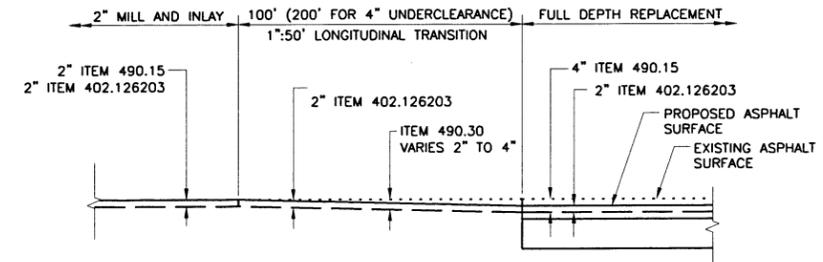
UNDERCLEARANCE IMPROVEMENT

LOCATION	2"	4"
MP 269.37 WB		X
MP 269.37 EB	X	
MP 271.84 WB		X
MP 271.84 EB	X	
MP 278.37 WB		X
MP 278.37 EB	X	

SEE PAVING SEQUENCE NOTE 4

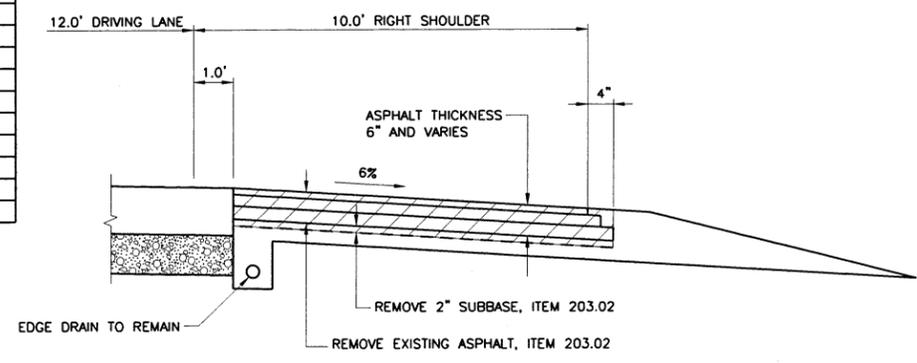
- PAVING SEQUENCE:
- PERFORM FULL DEPTH PAVEMENT REPLACEMENT USING INDIVIDUAL LANE CLOSURES.
 - PERFORM SHOULDER REPLACEMENT.
 - MILL 4" BINDER COURSE AND LONGITUDINAL TAPERS.
 - AT LOCATIONS WHERE 4" UNDERCLEARANCE IS NEEDED, MILL 6" BINDER COURSE AND LONGITUDINAL TAPERS.
 - REPLACE PIER PROTECTION WHERE SHOWN ON PLANS.
 - INLAY 2" TOP COURSE.
 - INSTALL PERMANENT PAVEMENT STRIPING.

- NOTES:
- EXISTING ASPHALT OVERLAY THICKNESS VARIES. BINDER COURSE, ITEM 402.258903, SHALL BE INSTALLED AS NEEDED TO MATCH THE ELEVATION OF EXISTING ADJOINING PAVEMENT.
 - CROSS SLOPE VARIES - NORMAL CROWN (2%) TO FULL SUPERELEVATION (BOTH BANKED LEFT AND RIGHT). THE PROPOSED CROSS SLOPE SHALL MATCH THE EXISTING CROSS SLOPE.
 - INTERIM EDGE AND SKIP LINES WILL BE REQUIRED WHEN PERMANENT STRIPING LINES ARE REMOVED AND WILL BE INSTALLED PRIOR TO OPENING WORK OPERATION TO TWO LANE TRAFFIC. PAY FOR UNDER ITEM 619.0101.
 - REFER TO TABLE 407-1, TACK COAT APPLICATION RATES OF THE CONTRACT PROPOSAL.
 - ALL DEBRIS ON MILLED SURFACE SHALL BE REMOVED IN ACCORDANCE WITH SECTION 490-COLD MILLING OF THE N.Y.S.D.O.T. STANDARD SPECS.
 - TYPICAL SECTIONS SHOWN IN DIRECTION OF TRAVEL.
 - INSTALL PERMANENT PAVEMENT MARKINGS IN ACCORDANCE WITH PMA-1.
 - TRANSVERSE AND LONGITUDINAL SAWCUTTING, ITEM 627.5014--08, IS BE REQUIRED AROUND ALL FULL DEPTH REPLACEMENT AREAS.
 - THE CONTRACTOR SHALL ALIGN THE PROPOSED LONGITUDINAL JOINTS WITH THE EXISTING LONGITUDINAL JOINTS.

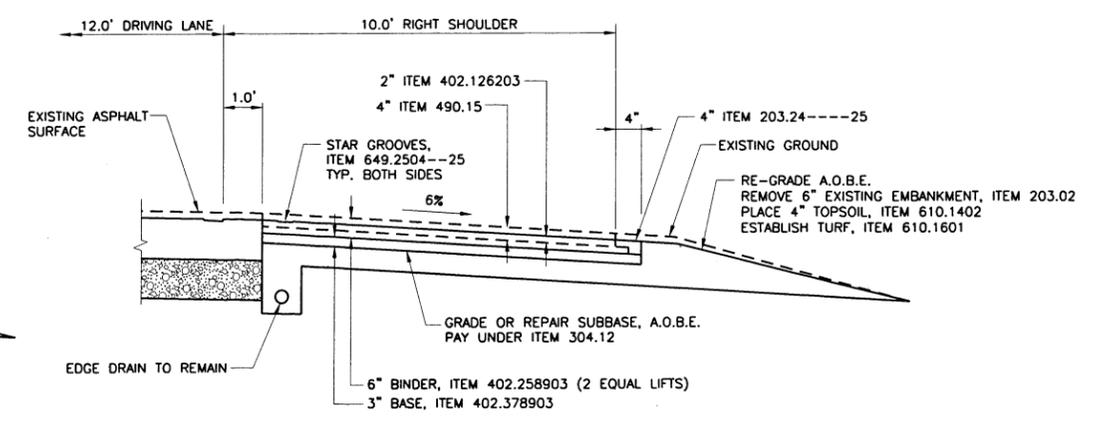


LONGITUDINAL TRANSITION
NOT TO SCALE

ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
203.24----25	SHOULDER BACK UP MATERIAL	TON
304.12	SUBBASE COURSE, TYPE 1	CY
402.126203	12.5 F1 TOP COURSE HMA, 60 SERIES COMPACTION	TON
402.258903	25 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	TON
402.378903	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION	TON
407.0102	DILUTED TACK COAT	GAL
490.15	PRODUCTION COLD MILL SURFACE PLANING OF BITUMINOUS CONCRETE	SY
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
610.1402	TOPSOIL - ROADSIDE	CY
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY
627.5014--08	CUTTING PAVEMENT	SY
649.2504--25	SHOULDER TREATMENT FOR ACCIDENT REDUCTION (STARS)	SY



SHOULDER REMOVAL
NOT TO SCALE



SHOULDER REPLACEMENT
NOT TO SCALE

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TITLE OF PROJECT: 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
 LOCATION OF PROJECT: SYRACUSE DIVISION, MP 262.0 - MP 279.3
 TITLE OF DRAWING: FULL DEPTH PAVEMENT SECTION FOR BRIDGE UNDERCLEARANCE IMPROVEMENT

CONTRACT NUMBER: TAS 16-31
 DATE: 3/22/16
 DRAWING NUMBER: MSD-8

EROSION AND SEDIMENTATION CONTROL SEQUENCING

THE EROSION CONTROL PLAN STAGES SHALL BE ESTABLISHED BASED ON THE FOLLOWING:

- DIVERT ALL CLEAN WATER AWAY FROM OR FLUMED THROUGH THE WORK AREA PRIOR TO COMMENCING WORK
- SEQUENCE OF CONSTRUCTION SHALL BE LOGICAL AND CONSTRUCTABLE.
- ENSURE THAT THE AMOUNT OF UNPROTECTED EARTH MATERIAL EXPOSED AT ONE TIME IS LIMITED TO THE MINIMUM AMOUNT NECESSARY TO CONSTRUCT A PARTICULAR STAGE.

THE GENERAL CONSTRUCTION PROCEDURE FOR THE EARTHWORK OPERATIONS ON THIS PROJECT SHOULD BE AS FOLLOWS FOR EROSION CONTROL AREAS IDENTIFIED:

PRIOR TO STARTING ANY CONSTRUCTION OPERATION, THE CONTRACTOR SHALL REVIEW CONSTRUCTION SEQUENCE AND EROSION CONTROL METHODS WITH THE ENGINEER.

FILL SECTION

- INSTALL TOE OF FILL SILT FENCE AND ANY IDENTIFIED TEMPORARY DRAINAGE STRUCTURES AND OTHER EROSION CONTROL MEASURES IDENTIFIED.
- LIMIT DISTURBANCE TO EROSION PROTECTED AREAS.
- ADHERE TO SLOPE PROTECTION DETAILS INCLUDED IN THE CONTRACT PLANS.
- FINAL GRADE SLOPES AND PLACE TURF ESTABLISHMENT MATERIAL.
- MAINTAIN EROSION CONTROL MEASURES UNTIL TURF IS ESTABLISHED.

CUT SECTIONS

- SEED AND MULCH ALL DISTURBED AREAS.
- FINAL GRADE SLOPES AND PLACE TURF ESTABLISHMENT MATERIAL.

SEQUENCE

1. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ACCORDING TO PLAN.
2. PERFORM WORK AS INDICATED IN THE CONTRACT PLANS.
3. PERMANENTLY STABILIZE SLOPES AND DISTURBED AREAS WITH SEED/MULCH AS REQUIRED. USE TEMPORARY STABILIZATION AS REQUIRED. RESTORE CONSTRUCTION SITE TO PRE-CONSTRUCTION CONDITIONS.

MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CHECKED FOR STABILITY AND OPERATION AT LEAST ONCE EVERY SEVEN CALENDAR DAYS. DISTURBANCES GREATER THAN 5 ACRES IN AREA AT A TIME ARE NOT ALLOWED.
2. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES ABOUT ONE-HALF THE DEPTH OF THE FENCE. THE SILT FENCE SHALL BE REPAIRED/REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
3. CHECK DAMS SHALL BE CLEANED OUT IF SEDIMENT DEPOSITS EXCEED 6 INCHES OR IF ONE-HALF THE DESIGN CAPACITY HAS BEEN EXCEEDED, WHICHEVER IS LESS.
4. THE THICKNESS OF THE ROCK CONSTRUCTION ENTRANCE SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSION BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL SHALL BE MAINTAINED ON THE SITE FOR THIS PURPOSE.
5. AT THE END OF EACH WORKDAY, ALL SEDIMENT DEPOSITED ON THE PUBLIC ROADWAY SHALL BE REMOVED AND RETURNED TO THE WORK AREA. WASHING OF THE ROADWAY WITH WATER IS NOT PERMITTED.

EROSION AND SEDIMENTATION CONTROL PLAN

1. ALL EARTH DISTURBING ACTIVITIES, METHODS AND EQUIPMENT SHALL BE PERFORMED ACCORDING TO NYSDEC SPECS GP-0-15-002. PAY ITEMS AND INSTALLATION SEQUENCES SHALL BE IN ACCORDANCE WITH SECTIONS 107 AND 209 OF THE STANDARD SPECIFICATIONS AND THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
2. THE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CONSTRUCTION OPERATIONS SO AS TO MINIMIZE SOIL EROSION AND ENSURE SEDIMENT CONTROL. EROSION CONTROL MEASURES ARE ITEMS OR ACTIONS THAT MINIMIZE THE LOSS OF SOIL DUE TO THE DESTRUCTIVE EFFECTS OF WIND AND WATER ON SURFACE SOIL. SEDIMENT CONTROL MEASURES ARE ITEMS OR ACTIONS USED TO MINIMIZE SUSPENDED SOLID MATERIAL TRANSPORT BY WATER. EFFECTIVE SOIL EROSION AND SEDIMENT CONTROL CAN BE ACCOMPLISHED BY LIMITING THE AREA OF UNPROTECTED SOIL. PROTECTED IS DEFINED AS HAVING TEMPORARY OR PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE.
3. THE CONTRACTOR SHALL REVIEW THE EROSION AND SEDIMENT CONTROL PLAN INCLUDED IN THE CONTRACT DOCUMENTS, AND IF NECESSARY, MODIFY THE PLAN WITH THE CONTRACTOR'S INTENDED SEQUENCE AND TYPES OF OPERATIONS. THE CONTRACTOR'S MODIFIED EROSION AND SEDIMENT CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL, ALONG WITH A PROGRESS SCHEDULE THAT ADDRESSES THIS WORK. THE MODIFICATIONS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER.
4. THE CONTRACTOR MUST BE FAMILIAR WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AS STRICT COMPLIANCE WILL BE REQUIRED DURING THE DURATION OF THIS PROJECT. THE CONTRACTOR SHALL DESIGNATE AN "EROSION AND SEDIMENT CONTROL SUPERVISOR" FOR THE PROJECT. THE SUPERVISOR SHALL HAVE TRAINING, EXPERIENCE, AND AUTHORITY TO IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES, ACCORDING TO ALL ASSOCIATED FEDERAL AND STATE LAWS AND REGULATIONS. THE SUPERVISOR WILL BE RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN AND FOR INSPECTING AND MAINTAINING THE CONTROL MEASURES FOR THE PROJECT AND SHALL BE ON-SITE WHENEVER A SITE DISTURBANCE IS OCCURRING. THE NAME AND QUALIFICATIONS TRAINING AND EXPERIENCE OF THIS INDIVIDUAL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING EARTHWORK.
5. THE LOCATIONS OF EROSION AND SEDIMENT CONTROL MEASURES, AS INDICATED IN THE CONTRACT DOCUMENTS, MAY REQUIRE FIELD ADJUSTMENT DEPENDING ON THE SEQUENCE OF CONSTRUCTION ACTIVITIES, CONSTRUCTION METHODS, AND/OR ACTUAL FIELD CONDITIONS. THE DESIGNATED "EROSION AND SEDIMENT CONTROL SUPERVISOR" SHALL NOTIFY THE ENGINEER IN ADVANCE OF ANY FIELD CHANGES TO THE EROSION AND SEDIMENT CONTROL MEASURES INDICATED IN THE CONTRACT DOCUMENTS. IF CHANGES ARE MADE, SWPPP REVISIONS SHOULD BE MADE IN ACCORDANCE WITH GP-0-15-002. THE ENGINEER MAY REQUIRE THE CONTRACTOR TO SUBMIT A MODIFIED EROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL PRIOR TO IMPLEMENTING ANY FIELD CHANGES.
6. THE SWPPP MAY BE AMENDED AND RE-CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL. IF THERE ARE SIGNIFICANT CHANGES IN THE DESIGN OR CONSTRUCTION ACTIVITIES THAT MAY HAVE A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF SEDIMENT OR POLLUTANTS INTO THE WATERS OF THE UNITED STATES, AS SPECIFIED IN THE SWPPP, ALL ADDITIONAL COSTS ASSOCIATED WITH AMENDING OR THE RE-CERTIFICATION OF THE SWPPP WILL BE INCLUDED IN THE PRICE BID FOR THE EROSION CONTROL ITEMS.
7. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A WRITTEN SCHEDULE AND PROPOSED MEASURES FOR TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL WORK AND SCHEDULE OF OPERATIONS.
8. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE AND SHALL REMAIN IN PLACE UNTIL SOILS ARE PERMANENTLY STABILIZED IN ACCORDANCE WITH THE SWPPP. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF FROM DISTURBED AREAS IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL DEVICES BEFORE ENTERING A WATER BODY OR WETLAND. THE SILT FENCE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND WILL NEED TO BE ADJUSTED IN THE FIELD TO MATCH ACTUAL CONDITIONS.
9. ALL AREAS OF SOIL DISTURBANCES RESULTING FROM THIS PROJECT SHALL BE STABILIZED BY SEEDING/MULCH ACCORDING TO SECTION 209-3 WITHIN 48 HOURS OF FINAL GRADING. IF CONSTRUCTION ACTIVITIES ARE DISCONTINUED IN AREAS OF SOIL DISTURBANCE BEFORE FINAL GRADING IS COMPLETE, TEMPORARY GRADING SHALL BE STABILIZED BY SEEDING/MULCH ITEM 209.1003 WITHIN 48 HOURS OF EXPOSURE. MULCH SHALL BE MAINTAINED UNTIL SUITABLE VEGETATIVE COVER IS ESTABLISHED. IN NO CASE SHALL MORE THAN ONE PAYMENT BE MADE FOR THE APPLICATION OF SEED/MULCH ITEM 209.1003 IN ANY GIVEN AREA REGARDLESS OF THE NUMBER OF APPLICATIONS REQUIRED TO COMPLY WITH GENERAL NOTES AND SPECIFICATIONS.
10. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT CONTAMINATION OF ANY STREAM OR WATERWAY BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE LEACHATE OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION AND CONSTRUCTION PROCEDURES. NO WET OR FRESH CONCRETE, LEACHATE, MATERIAL, OR DEBRIS SHALL BE ALLOWED TO ESCAPE INTO A WATER BODY OR WETLAND, NOR SHALL WASHINGS FROM TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER A WATER BODY OR WETLAND. ANY MATERIAL OR DEBRIS ACCIDENTALLY DROPPED INTO A WATER BODY SHALL BE IMMEDIATELY AND COMPLETELY REMOVED AND DEPOSITED IN AN UPLAND DISPOSAL AREA.
11. THE CONTRACTOR SHALL COVER TEMPORARY STOCKPILES OF ERODIBLE MATERIAL SUCH AS TOPSOIL OR EARTH FILL WITH POLY SHEETING, OR RING THE STOCKPILES WITH SILT FENCE TO CONTROL EROSION. POLY SHEETING SHALL COMPLETELY COVER THE STOCKPILE AND BE SECURELY ANCHORED AT ALL TIMES. ANY POLY SHEETING OR SILT FENCE THAT IS DAMAGED SHALL BE PROMPTLY REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER. RINGED STOCKPILES EXPOSED OR EXPECTED TO BE EXPOSED FOR LONGER THAN 7 CALENDAR DAYS SHALL IMMEDIATELY BE STABILIZED WITH APPROPRIATE MEASURES. THE COST OF COVERING AND RINGING/STABILIZING STOCKPILES SHALL BE INCLUDED IN THE PRICE BID FOR THE CORRESPONDING STOCKPILED MATERIAL. STOCKPILES RINGED WITH SILT FENCE SHALL BE LOCATED ON FLAT GROUND. SILT FENCE SHALL NOT BE USED IN AREAS OF CONCENTRATED FLOW.
12. EROSION AND SEDIMENT CONTROL METHODS SHALL BE USED DURING CONSTRUCTION IN ANY AREA WHERE FINE MATERIALS MAY ENTER THE WATERS OF THE STATE OF NEW YORK.
13. INSPECTION, PERIODIC CLEANING AND MAINTENANCE OF TEMPORARY SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE PERFORMED ON A SCHEDULED BASIS IN ACCORDANCE WITH THE SWPPP AND GP 0-15-002. THE COST OF REPAIRING, INSTALLING, CLEANING AND REMOVING TEMPORARY SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE PAID FOR UNDER THE ITEMS SHOWN.
14. ALL DEWATERING OPERATIONS SHALL BE DONE SO AS TO NOT CREATE EROSION OR SEDIMENT LADEN WATER. AS DEWATERING OPERATIONS BECOME NECESSARY, A SETTLING BASIN SHALL BE REQUIRED UNLESS THE PUMP DISCHARGE IS AS CLEAR AND FREE OF SEDIMENT AS THE FLOWING STREAM. LOCATION AND DESIGN TO BE APPROVED BY THE ENGINEER.
15. CONTROLS SHALL BE ESTABLISHED TO PREVENT THE TRACKING, SPILLING, AND DROPPING OF SEDIMENTS OUTSIDE OF THE WORK AREAS BY CONSTRUCTION VEHICLES. IF A WASHING AREA IS SET UP, IT SHALL BE LOCATED IN AN AREA THAT WILL DRAIN INTO APPROVED SEDIMENT CONTROLS. NO SEPARATE PAYMENT WILL BE MADE FOR WASHING.
16. CLEARING AND GRUBBING AND TREE REMOVALS SHALL BE LIMITED TO NO MORE THAN WHAT IS NECESSARY BEYOND THE REQUIRED GRADING LIMITS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
17. EXCAVATED MATERIAL SHALL BE TAKEN TO A PERMANENT SPOIL AREA OR USED IMMEDIATELY WITHIN THE PROJECT. NO EXCAVATED MATERIAL, OTHER THAN TOPSOIL, MAY BE STOCKPILED WITHIN THE PROJECT LIMITS. TOPSOIL STOCKPILE LOCATIONS SHALL BE AT THE CONTRACTORS DISCRETION AND A.O.B.E.
18. THE CONTRACTOR IS STRICTLY PROHIBITED FROM USING ON-SITE SOIL TO DAM, DIVERT, OR OTHERWISE BLOCK STREAMFLOW.
19. WHEN PROJECT IS COMPLETED AND STABILIZED, REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES. ALL SEDIMENT REMOVED FROM BEHIND SILT FENCE AND CHECK DAMS SHALL BE DISPOSED AT AN APPROVED SITE WHERE IT CANNOT BE WASHED INTO ANY WATERWAY OR WETLAND.
20. OTHER EROSION CONTROL MEASURES MAY BE REQUIRED A.O.B.E. IN ADDITION TO THOSE SHOWN. PAYMENT FOR ADDITIONAL WORK WILL BE MADE UNDER THE APPROPRIATE ITEMS IN THE CONTRACT. ALL METHODS AND EQUIPMENT PROPOSED BY THE CONTRACTOR TO ACCOMPLISH THE WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

CHECKED BY: TA

DRAFTED BY: TA

CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA

ALTERED ON:	AFFIXED ON: 9-14-2016
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.

 **Thruway Authority** | **Canal Corporation**

TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING EROSION AND SEDIMENTATION CONTROL NOTES	DRAWING NUMBER: ESN-1

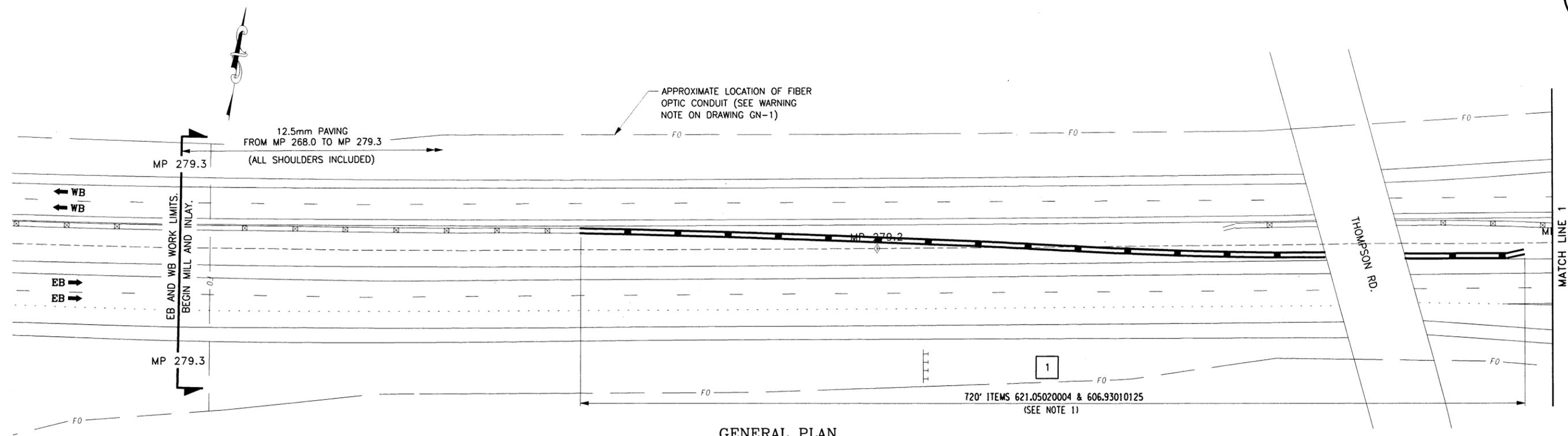
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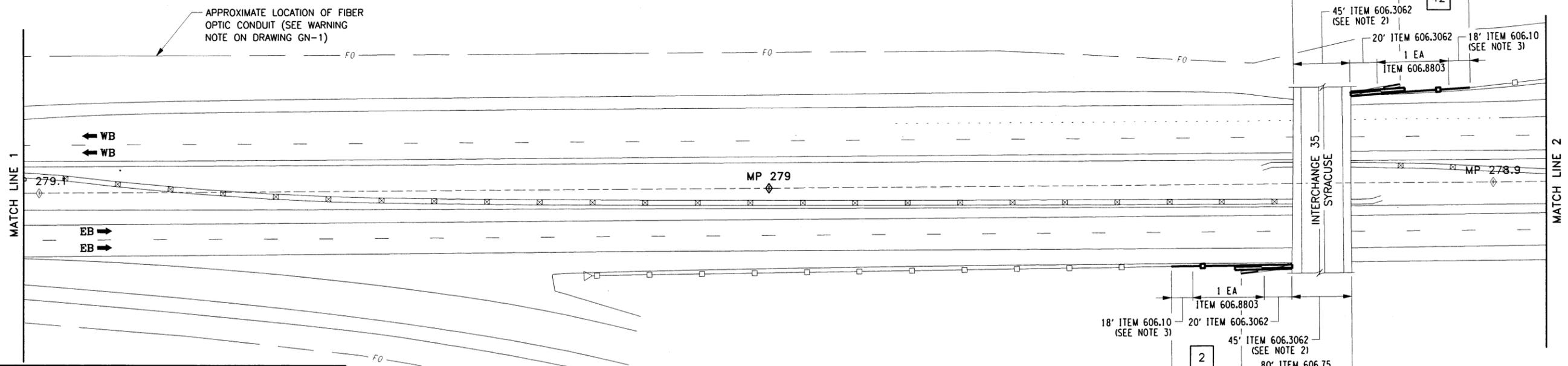
CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



GENERAL PLAN
SCALE: 1" = 80'



GENERAL PLAN
SCALE: 1" = 80'

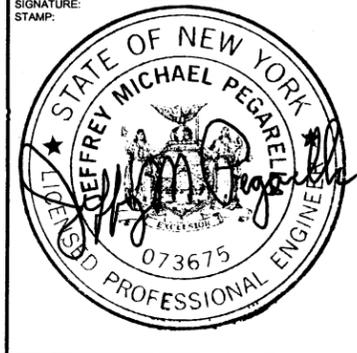
- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
- TRIM BUILT-UP MATERIAL UNDER RAIL, A.O.B.E. TO BE PAID FOR UNDER ITEM 621.05020004.
 - FOR PIER PROTECTION SEE DWG. GRD-1.
 - CUT BOX BEAM TO FIT, PAID FOR UNDER ITEM 606.10.

ALTERED ON:

AFFIXED ON: 9-14-2016

SIGNATURE: STAMP:



- ITEMS**
- 606.10 - BOX BEAM GUIDE RAILING
 - 606.3062 - SINGLE SLOPE CONCRETE HALF SECTION BARRIER (PRECAST)
 - 606.73 - REMOVE AND DISPOSE BOX BEAM GUIDE RAIL
 - 606.75 - REMOVE AND DISPOSE CONCRETE BARRIER
 - 606.8803 - TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)
 - 606.93010125 - ADJUST HEAVY POST BLOCKED-OUT (HPBO) GUIDE RAIL
 - 621.05020004 - PREPARING GRADE FOR VEGETATION CONTROL STRIP

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: 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
 LOCATION OF PROJECT: SYRACUSE DIVISION MP 262.0 - MP 279.3
 TITLE OF DRAWING: GENERAL PLAN

CONTRACT NUMBER: TAS 16-31
 DATE: 3/22/16
 DRAWING NUMBER: PL-1

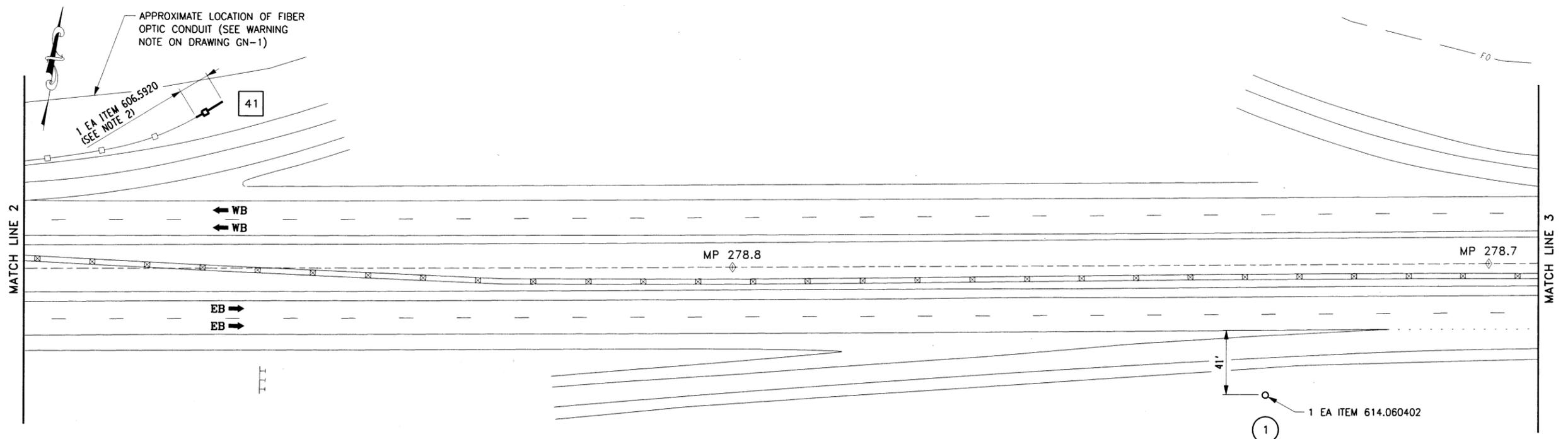
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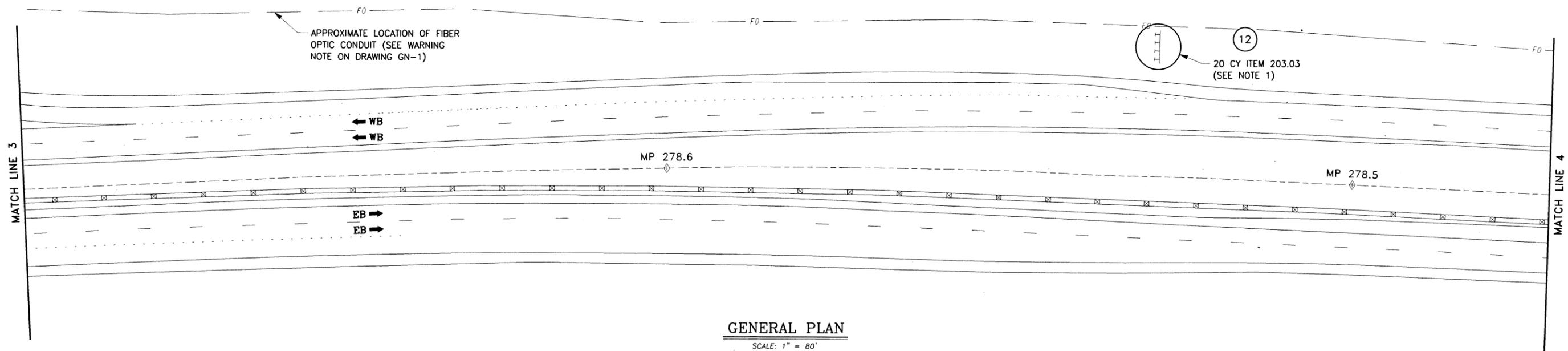
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DESIGNED BY: TA

DESIGN SUPERVISOR: TA



GENERAL PLAN
SCALE: 1" = 80'



GENERAL PLAN
SCALE: 1" = 80'

ALTERED ON:	AFFIXED ON: 9-14-2016
SIGNATURE: STAMP:	SIGNATURE: STAMP:

- ITEMS**
- 203.03 - EMBANKMENT IN PLACE
 - 606.5920 - RESET BOX BEAM END ASSEMBLY
 - 614.060402 - TREE REMOVAL OVER 18" TO 24" DIA. BREAST HIGH STUMP CUT FLUSH

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
- PLACE FILL AROUND SIGN AS SHOWN ON DRAWING MSD-3.
 - RESET DOUBLE POST 3' MAXIMUM FROM END OF RAIL IN BACKSLOPE.

Thruway Authority Canal Corporation	TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
	LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-2	

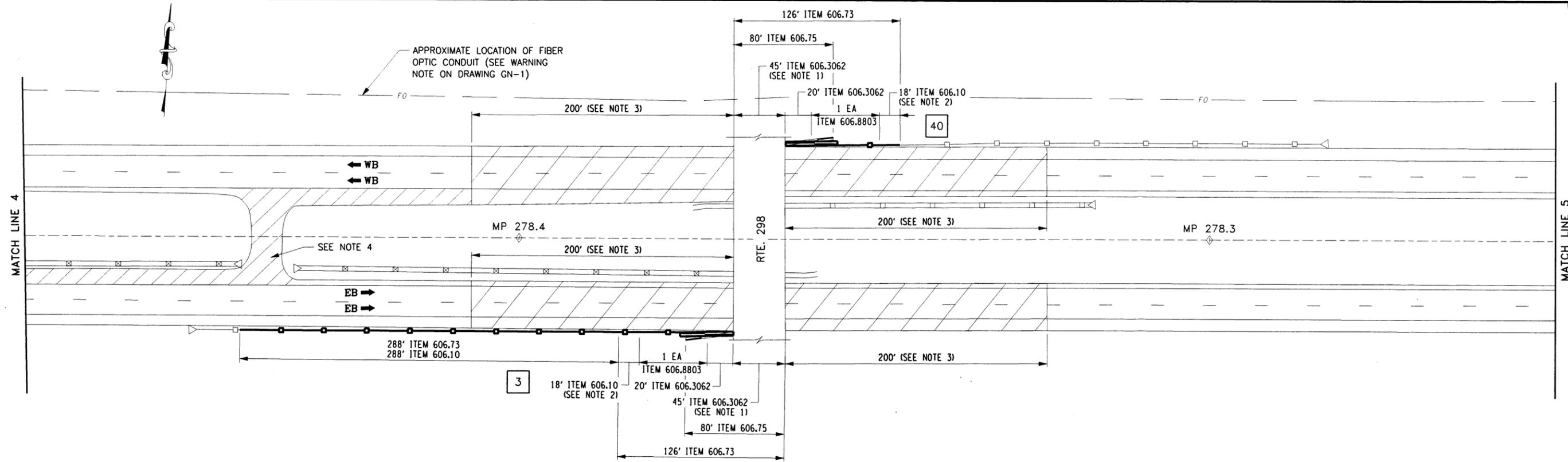
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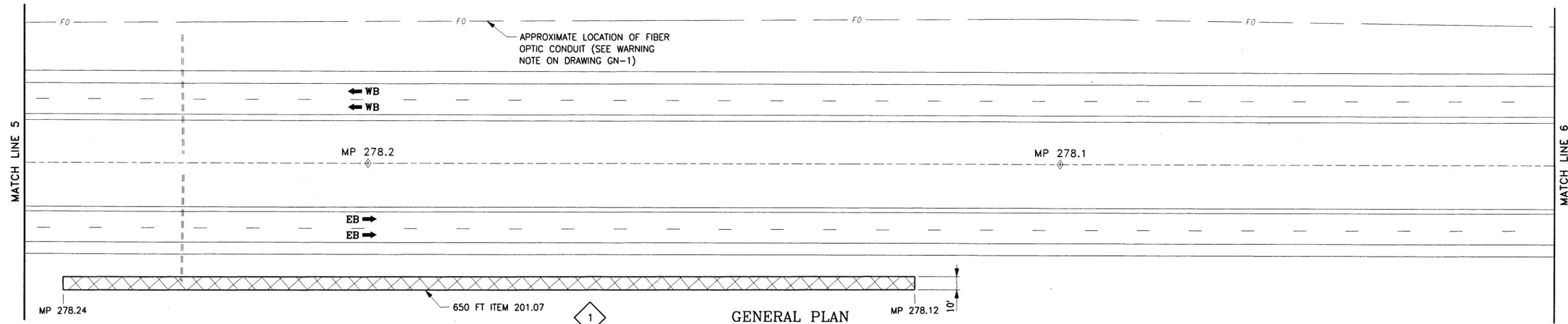
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DESIGNED BY: TA

DESIGN SUPERVISOR: TA



GENERAL PLAN
SCALE: 1" = 80'



GENERAL PLAN
SCALE: 1" = 80'

- ITEMS**
- 201.07 - CLEARING AND GRUBBING
 - 402.126203 - 12.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION
 - 490.30 - MISC. COLD MILLING OF BITUMINOUS CONCRETE
 - 606.10 - BOX BEAM GUIDE RAILING
 - 606.3062 - SINGLE SLOPE CONCRETE HALF SECTION BARRIER (PRECAST)
 - 606.73 - REMOVE AND DISPOSE BOX BEAM GUIDE RAIL
 - 606.75 - REMOVE AND DISPOSE CONCRETE BARRIER
 - 606.8803 - TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)

- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
1. FOR PIER PROTECTION SEE DWG. GRD-1.
 2. CUT BOX BEAM TO FIT, PAID FOR UNDER ITEM 606.10.
 3. FOR BRIDGE UNDERCLEARANCE DETAILS AND ITEMS SEE DRAWING MSD-8.
 4. MILL AND INLAY DECELERATION LANES AND U-TURN ITEMS 490.30 AND 402.126203

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY
Thruway Authority | **Canal Corporation**

TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-3

ALTERED ON: _____
AFFIXED ON: 9-14-2016

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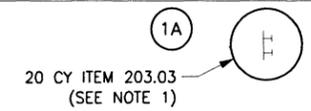
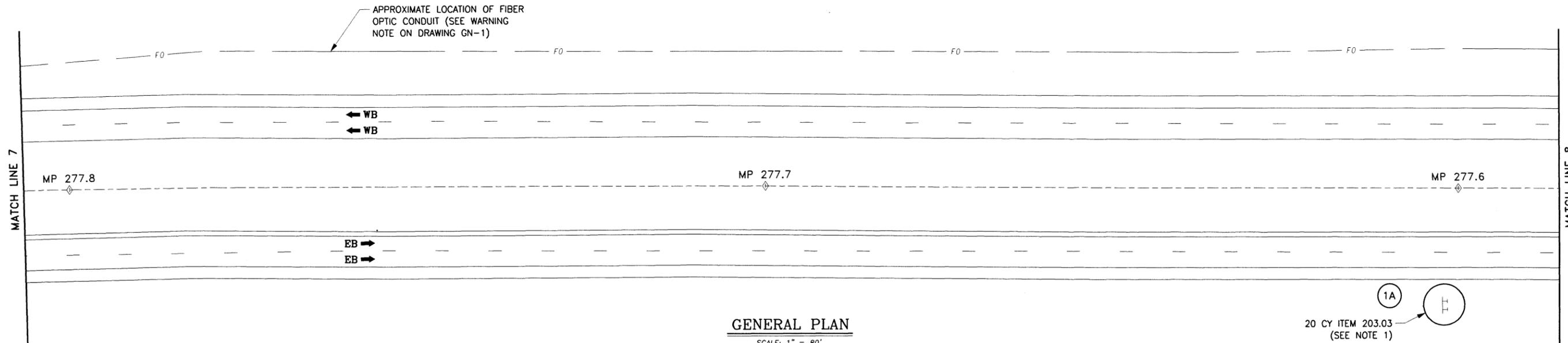
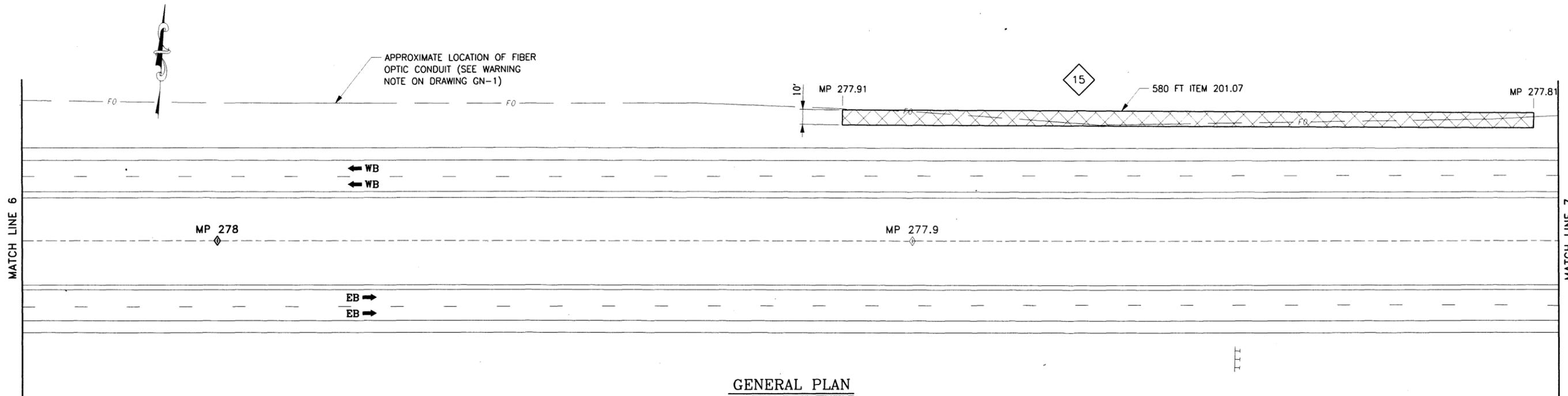
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- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

NOTES:
1. PLACE FILL AROUND SIGN AS SHOWN ON DRAWING MSD-3.

- ITEMS**
- 201.07 - CLEARING AND GRUBBING
 - 203.03 - EMBANKMENT IN PLACE

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 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER PL-4

ALTERED ON: _____

AFFIXED ON: 9-14-2016

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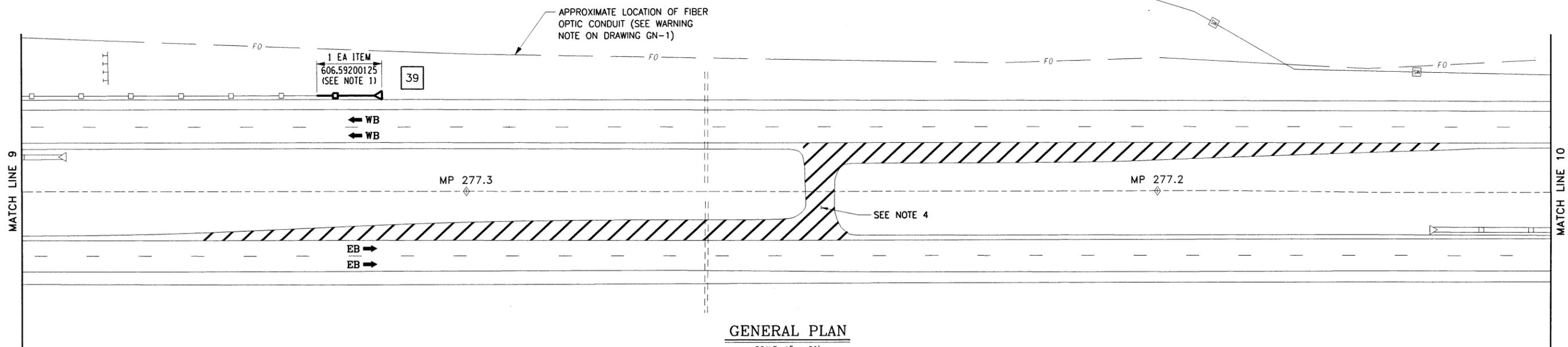
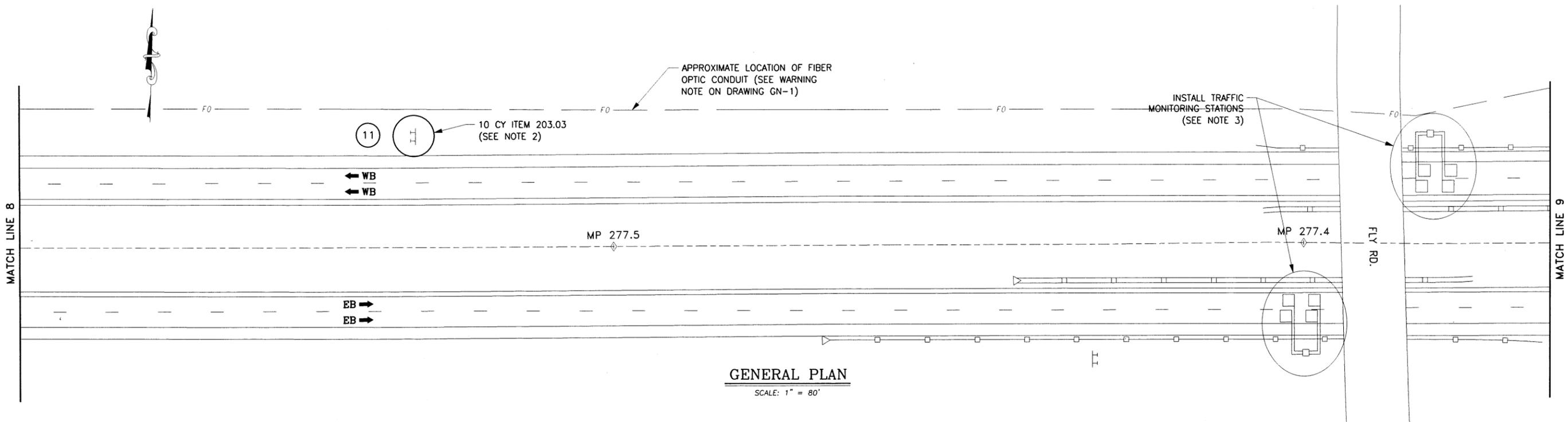
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9-14-2016
SIGNATURE:
STAMP:

- ITEMS**
- 203.03 - EMBANKMENT IN PLACE
 - 402.126203 - 12.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION
 - 490.30 - MISC. COLD MILLING OF BITUMINOUS CONCRETE
 - 606.59200125 - RESETTING END TERMINAL FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER

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REVISIONS			
DATE	DESCRIPTION	BY	SYM

- LEGEND**
- CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - GUIDE RAIL UPGRADES
 - SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
1. RESET END SECTION WITH LESS THAN 1/2 INCH GAP AT SPLICE PLATE ACCORDING TO MANUFACTURER'S INSTALLATION MANUAL.
 2. PLACE FILL AROUND SIGN AS SHOWN ON DRAWING MSD-3.
 3. FOR INSTALLATION DETAILS SEE DRAWING MSD-6.
 4. MILL AND INLAY DECELERATION LANES AND U-TURN. ITEMS 490.30 AND 402.126203.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-5

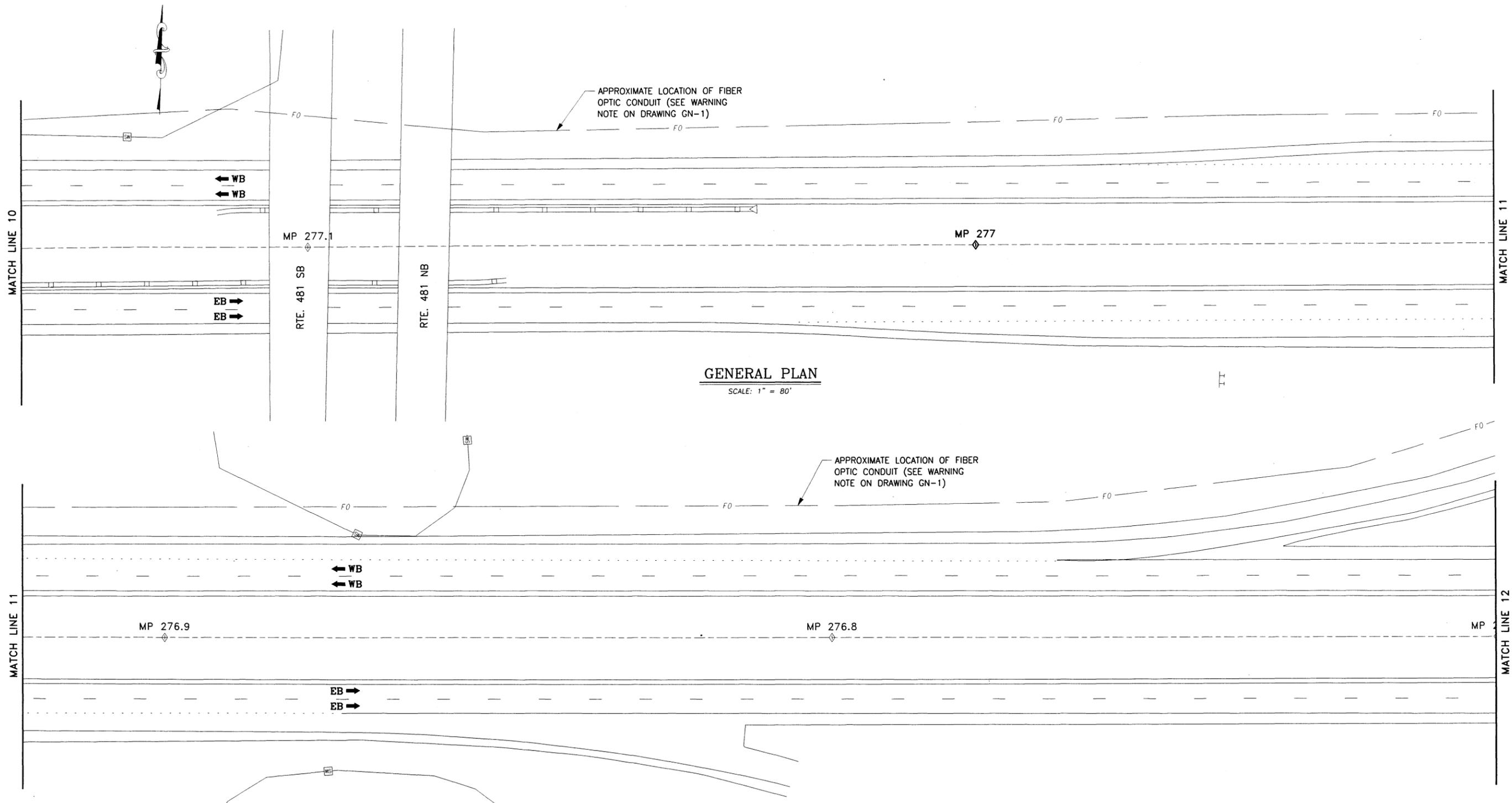
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CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



GENERAL PLAN
SCALE: 1" = 80'

GENERAL PLAN
SCALE: 1" = 80'

- LEGEND**
- CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - GUIDE RAIL UPGRADES
 - SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 9-14-2016 SIGNATURE: STAMP: 
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	CONTRACT NUMBER: TAS 16-31 DATE: 3/22/16 DRAWING NUMBER: PL-6
TITLE OF DRAWING GENERAL PLAN	

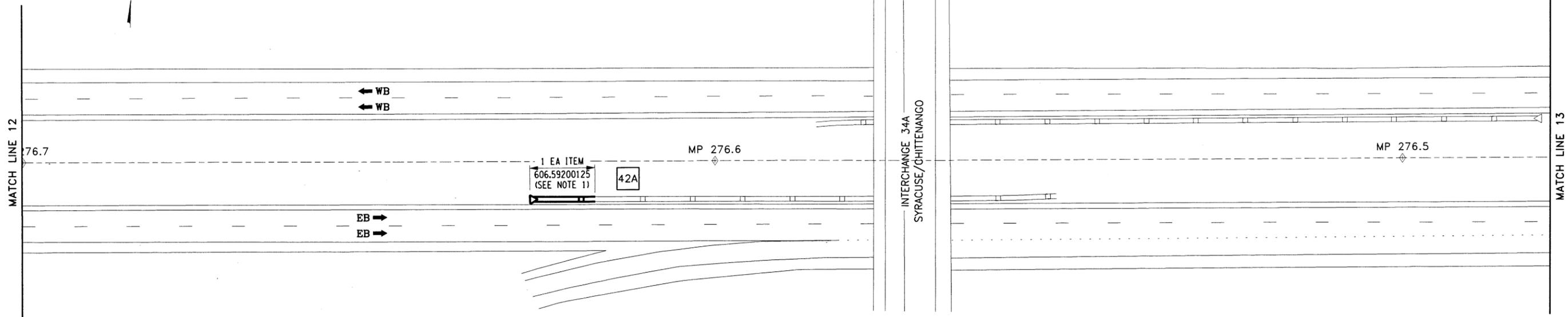
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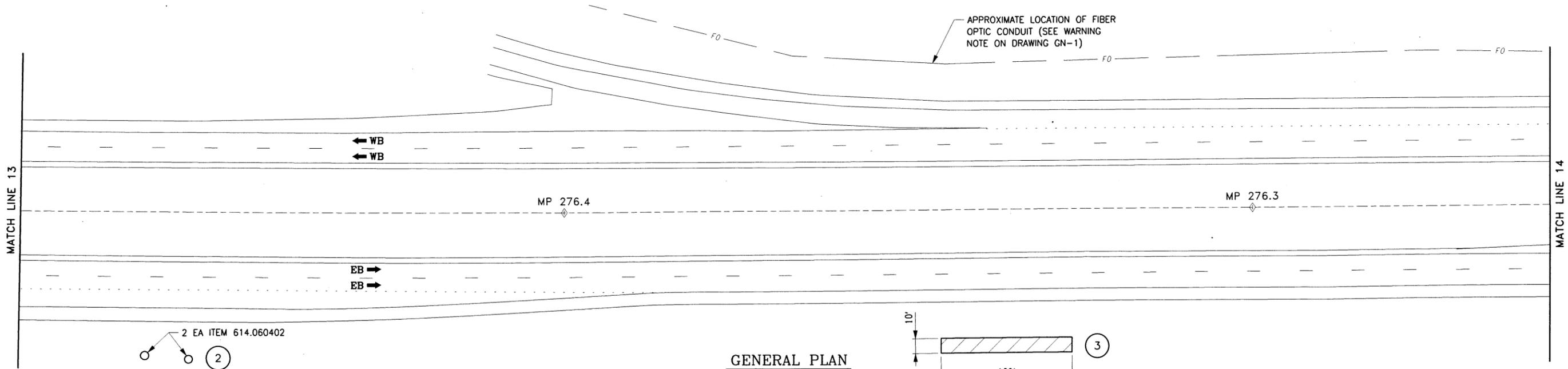
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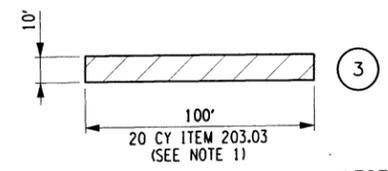
DESIGN SUPERVISOR: TA



GENERAL PLAN
SCALE: 1" = 80'



GENERAL PLAN
SCALE: 1" = 80'



- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
1. REPAIR TRACTOR DAMAGE, 20 CY ITEM 203.03.
 2. RESET END SECTION WITH LESS THAN 1/2 INCH GAP AT SPLICE PLATE ACCORDING TO MANUFACTURER'S INSTALLATION MANUAL.

ALTERED ON:	AFFIXED ON: 9-14-2016
SIGNATURE: STAMP:	SIGNATURE: STAMP:

- ITEMS**
- 203.03 - EMBANKMENT IN PLACE
 - 606.59200125 - RESETTING END TERMINAL FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER
 - 614.060402 - TREE REMOVAL OVER 18" TO 24" DIA. BREAST HIGH STUMP CUT FLUSH

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 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-7

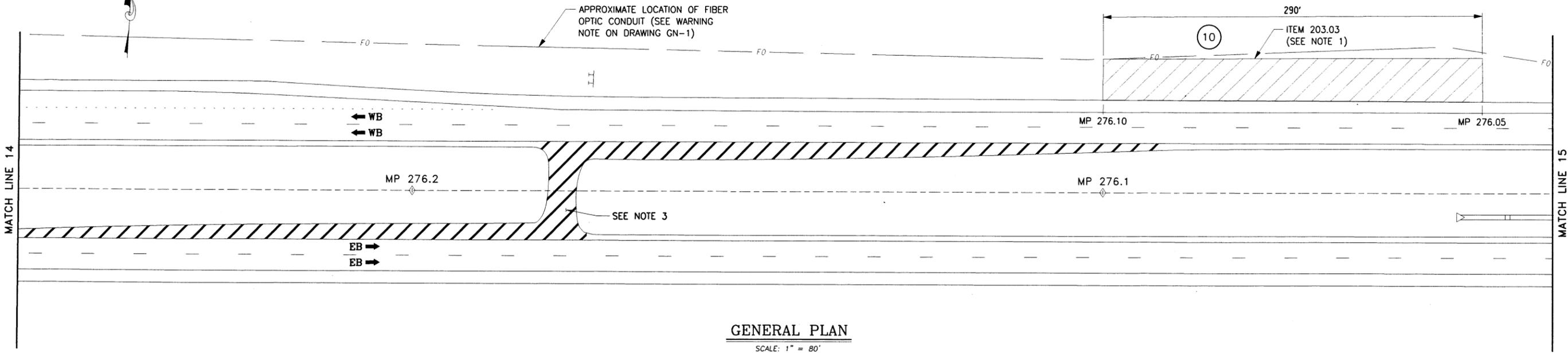
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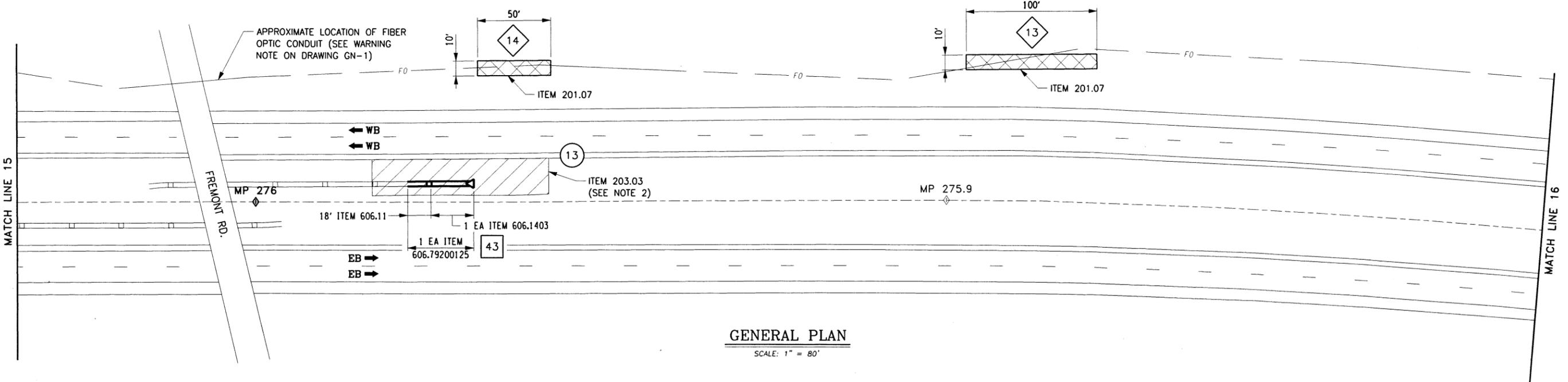
CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



GENERAL PLAN
SCALE: 1" = 80'



GENERAL PLAN
SCALE: 1" = 80'

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON:
9-14-2016
SIGNATURE:
STAMP:

- ITEMS**
- 201.07 - CLEARING AND GRUBBING
 - 203.03 - EMBANKMENT IN PLACE
 - 402.126203 - 12.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION
 - 490.30 - MISC. COLD MILLING OF BITUMINOUS CONCRETE
 - 606.11 - BOX BEAM MEDIAN BARRIER
 - 606.1403 - BOX BEAM MEDIAN BARRIER END ASSEMBLY, TYPE C
 - 606.79200125 - REMOVE AND DISPOSE END ASSEMBLY FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER

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.

- LEGEND**
- CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - GUIDE RAIL UPGRADES
 - SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
1. FLATTEN SLOPE TO A 1 ON 4 AS SHOWN ON DRAWING MSD-3. FOR ITEMS AND QUANTITIES, SEE DRAINAGE TABLE.
 2. FLATTEN SLOPE TO 1 ON 10. SEE DRAWING MSD-3 FOR DETAILS AND ITEMS.
 3. MILL AND INLAY DECELERATION LANES AND U-TURN. ITEMS 490.30 AND 402.126203.



TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3
TITLE OF DRAWING
GENERAL PLAN

CONTRACT NUMBER:
TAS 16-31
DATE:
3/22/16
DRAWING NUMBER:
PL-8

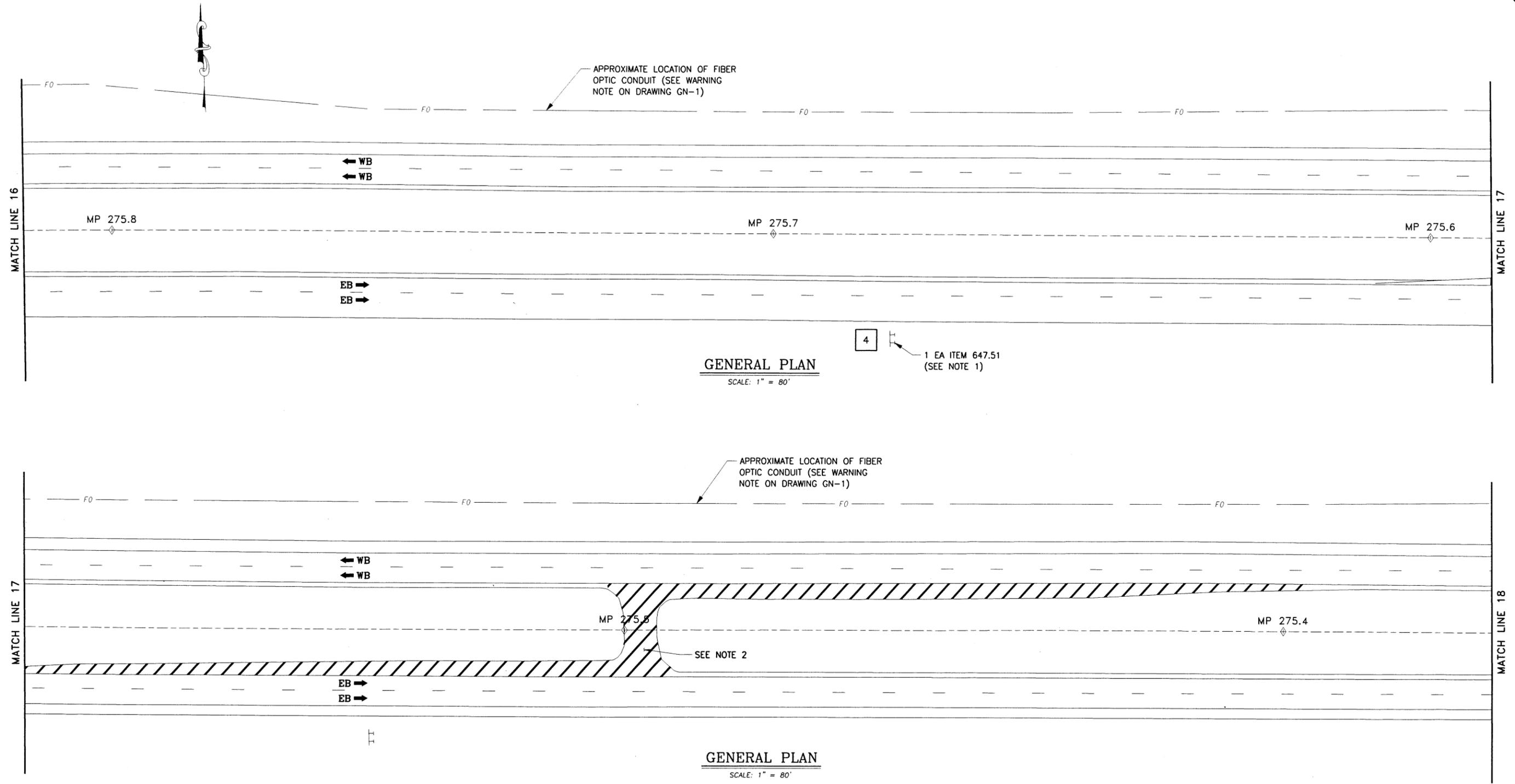
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DESIGNED BY: TA

DESIGN SUPERVISOR: TA



ALTERED ON:

SIGNATURE:
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AFFIXED ON:
9-14-2016

SIGNATURE:
STAMP:

- ITEMS**
- 402.126203 - 12.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION
 - 490.30 - MISC. COLD MILLING OF BITUMINOUS CONCRETE
 - 647.51 - REMOVE AND DISPOSE SIGN PANEL ASSEMBLY SIZE 1 (UNDER 30 SQUARE FEET)

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.

- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
- REMOVE "STATE POLICE AIRCRAFT USED IN SPEED ENFORCEMENT" SIGN.
 - MILL AND INLAY DECELERATION LANES AND U-TURN. ITEMS 490.30 AND 402.126203.



TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK

LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3

TITLE OF DRAWING
GENERAL PLAN

CONTRACT NUMBER:
TAS 16-31

DATE:
3/22/16

DRAWING NUMBER:
PL-9

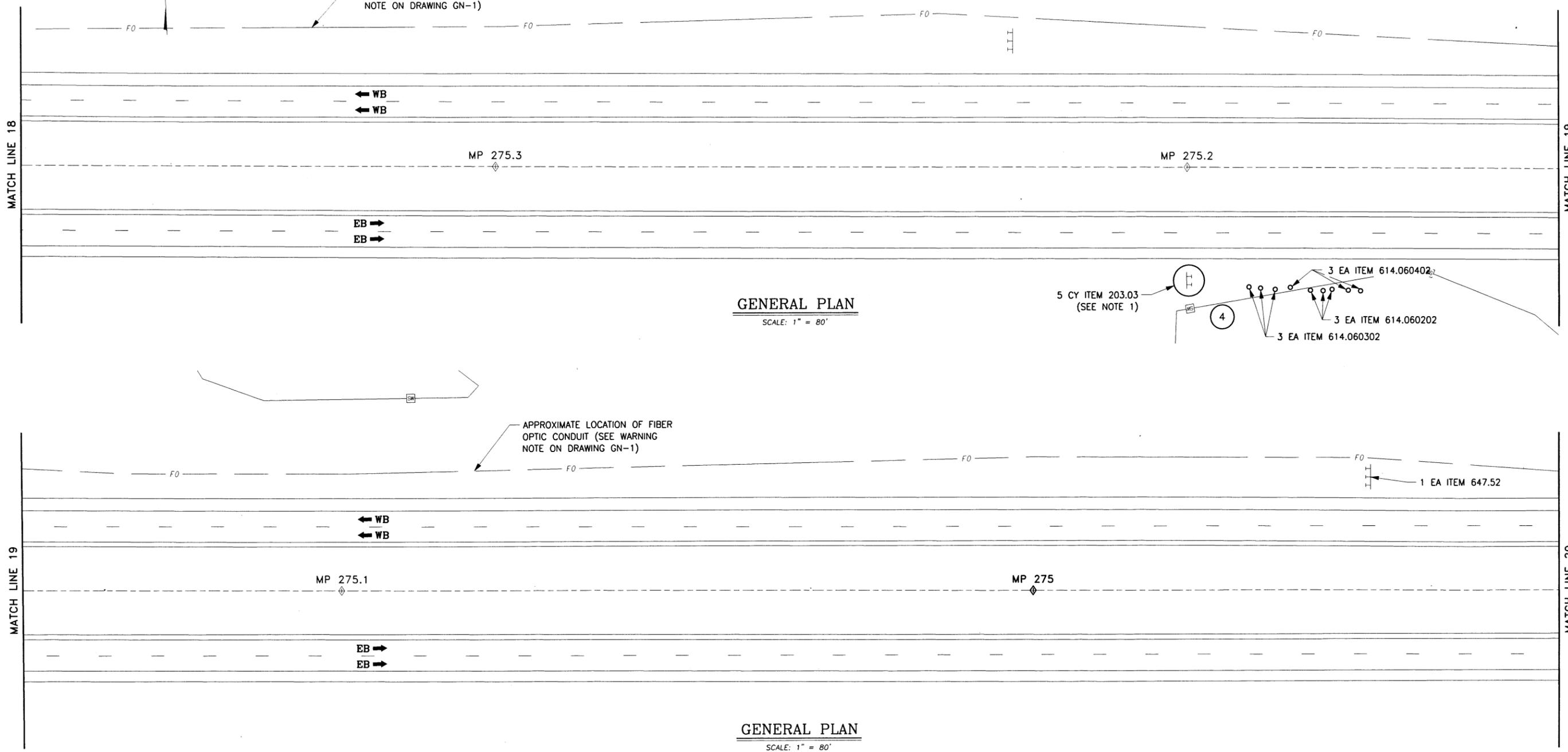
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CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



GENERAL PLAN
SCALE: 1" = 80'

GENERAL PLAN
SCALE: 1" = 80'

ALTERED ON:	AFFIXED ON: 9-14-2016
SIGNATURE STAMP:	SIGNATURE STAMP:

- ITEMS**
- 203.03 - EMBANKMENT IN PLACE
 - 614.060202 - TREE REMOVAL OVER 6" TO 12" DIA. BREAST HIGH STUMP CUT FLUSH
 - 614.060302 - TREE REMOVAL OVER 12" TO 18" DIA. BREAST HIGH STUMP CUT FLUSH
 - 614.060402 - TREE REMOVAL OVER 18" TO 24" DIA. BREAST HIGH STUMP CUT FLUSHBARRIER
 - 647.52 - REMOVE AND DISPOSE SIGN PANEL ASSEMBLY SIZE II (30-100 SQUARE FEET)

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.

- LEGEND**
- CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - GUIDE RAIL UPGRADES
 - SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
- PLACE FILL AROUND SIGN AS SHOWN ON DRAWING MSD-3.
 - ACTUAL TREES TO BE REMOVED ARE TO BE LOCATED A.O.B.E.

Thruway Authority Canal Corporation	TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
	LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
	TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-10

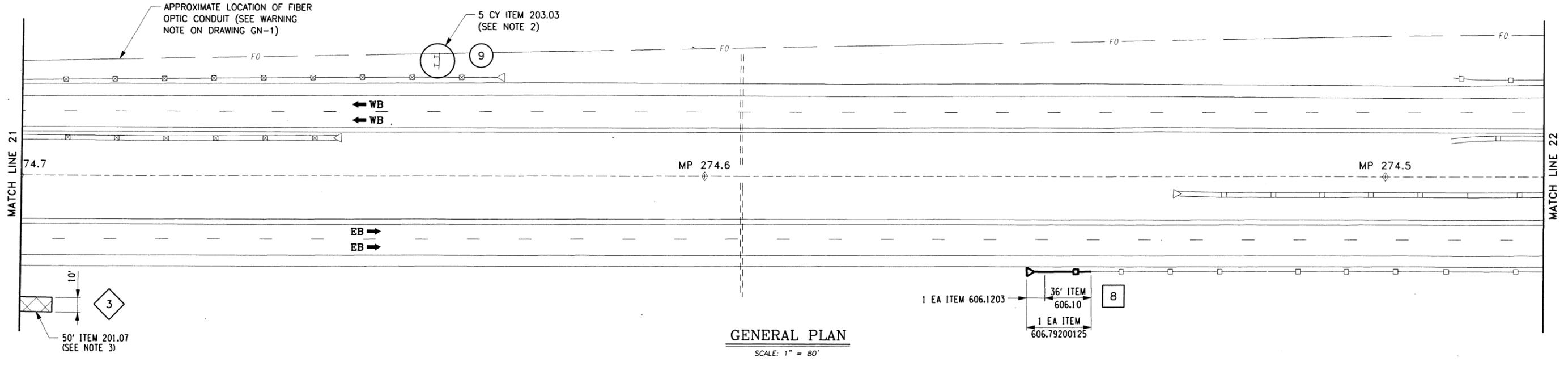
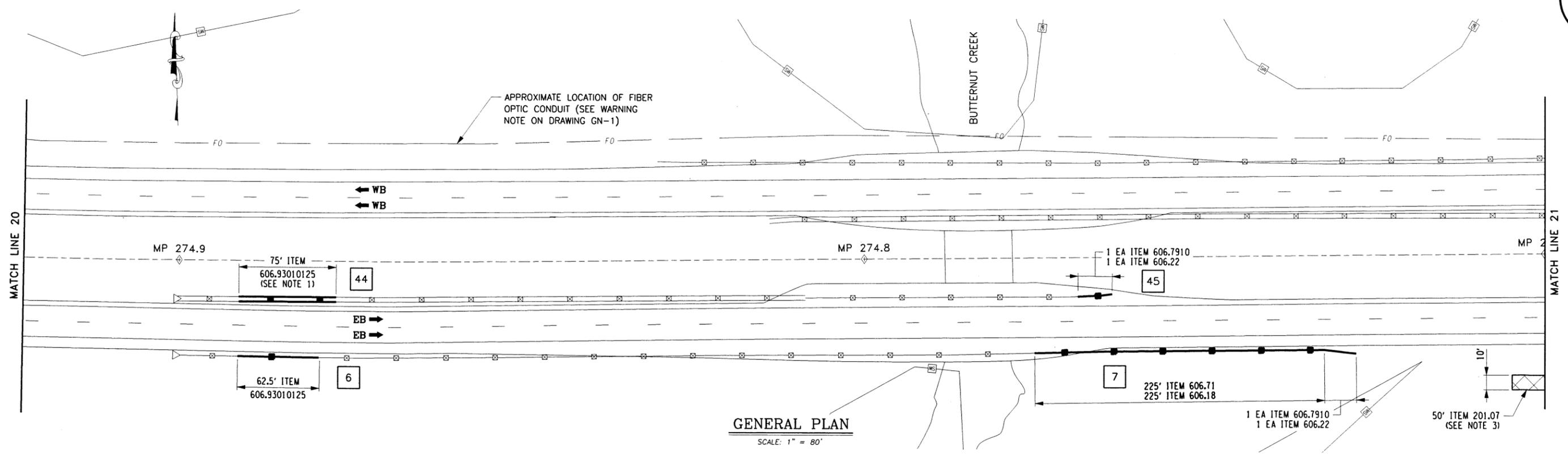
CHECKED BY: TA

DRAFTED BY: TA

CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



ITEMS

- 201.07 - CLEARING AND GRUBBING
- 203.03 - EMBANKMENT IN PLACE
- 606.10 - BOX BEAM GUIDE RAILING
- 606.1203 - BOX BEAM GUIDE RAIL END ASSEMBLY, TYPE III
- 606.18 - MODIFIED WEAK-POST CORRUGATED BEAM GUIDE RAIL
- 606.22 - ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING
- 606.71 - REMOVE AND DISPOSE OF CORRUGATED BEAM GUIDE RAIL
- 606.7910 - REMOVE AND DISPOSE OF ANCHOR UNIT/CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER
- 606.79200125 - REMOVE AND DISPOSE END ASSEMBLY FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER
- 606.93010125 - ADJUST HEAVY POST BLOCKED-OUT (HPBO) GUIDE RAIL

LEGEND

- CLEARING & GRUBBING (NO GRUBBING REQUIRED)
- GUIDE RAIL UPGRADES
- SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

NOTES:

1. ADJUST HEIGHT TO HPBO MEDIAN BARRIER. TO BE PAID FOR UNDER ITEM 606.93010125.
2. PLACE FILL AROUND SIGN AS SHOWN ON DRAWING MSD-3.
3. VERTICAL TRIM OVERHANGING TREE LIMBS, A.O.B.E.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-11

ALTERED ON: _____

AFFIXED ON: 9-14-2016

SIGNATURE: _____

STAMP: _____

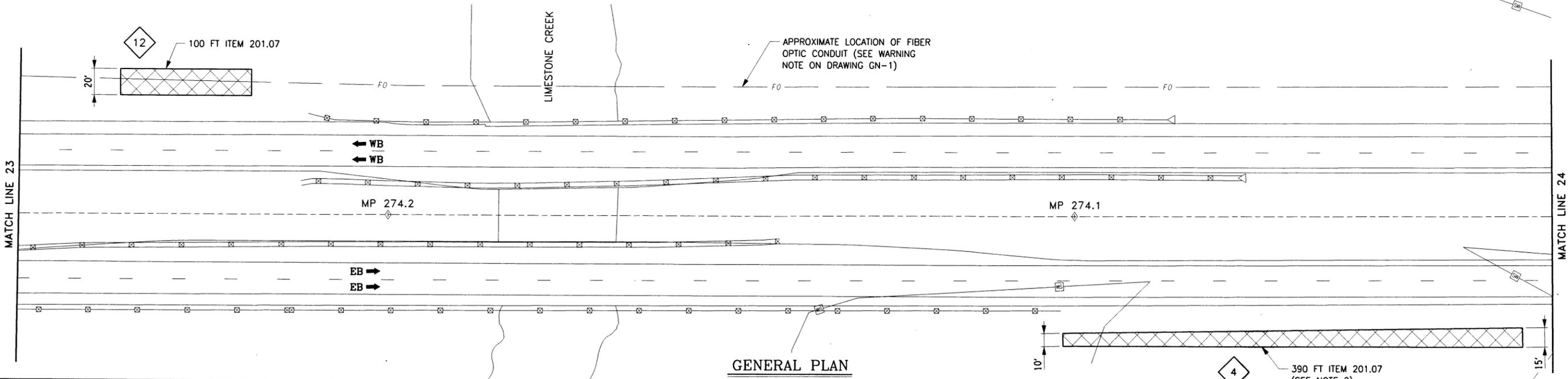
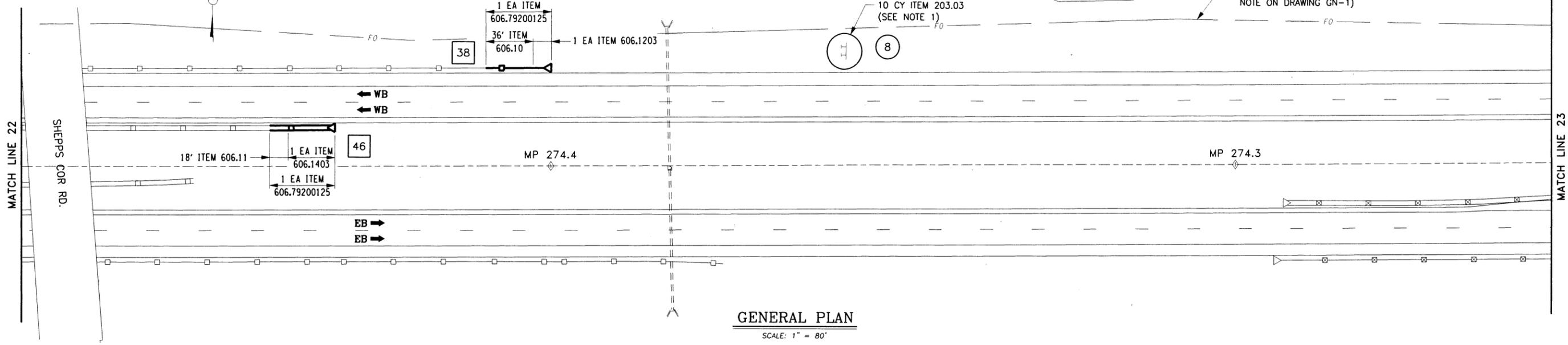
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CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



- ITEMS**
- 201.07 - CLEARING AND GRUBBING
 - 203.03 - EMBANKMENT IN PLACE
 - 606.10 - BOX BEAM GUIDE RAILING
 - 606.11 - BOX BEAM MEDIAN BARRIER
 - 606.1203 - BOX BEAM GUIDE RAIL END ASSEMBLY, TYPE III
 - 606.1403 - BOX BEAM MEDIAN BARRIER END ASSEMBLY, TYPE C
 - 606.79200125 - REMOVE AND DISPOSE END ASSEMBLY FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER

- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
1. PLACE FILL AROUND SIGN AS SHOWN ON DRAWING MSD-3.
 2. REMOVE TREES AND STUMPS, CUT FLUSH, DO NOT GRUB.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-12

ALTERED ON: 9-14-2016

AFFIXED ON: 9-14-2016

SIGNATURE: [Signature]

STAMP: [Professional Engineer Seal for Jeffrey Michael Pegarella, No. 073675]

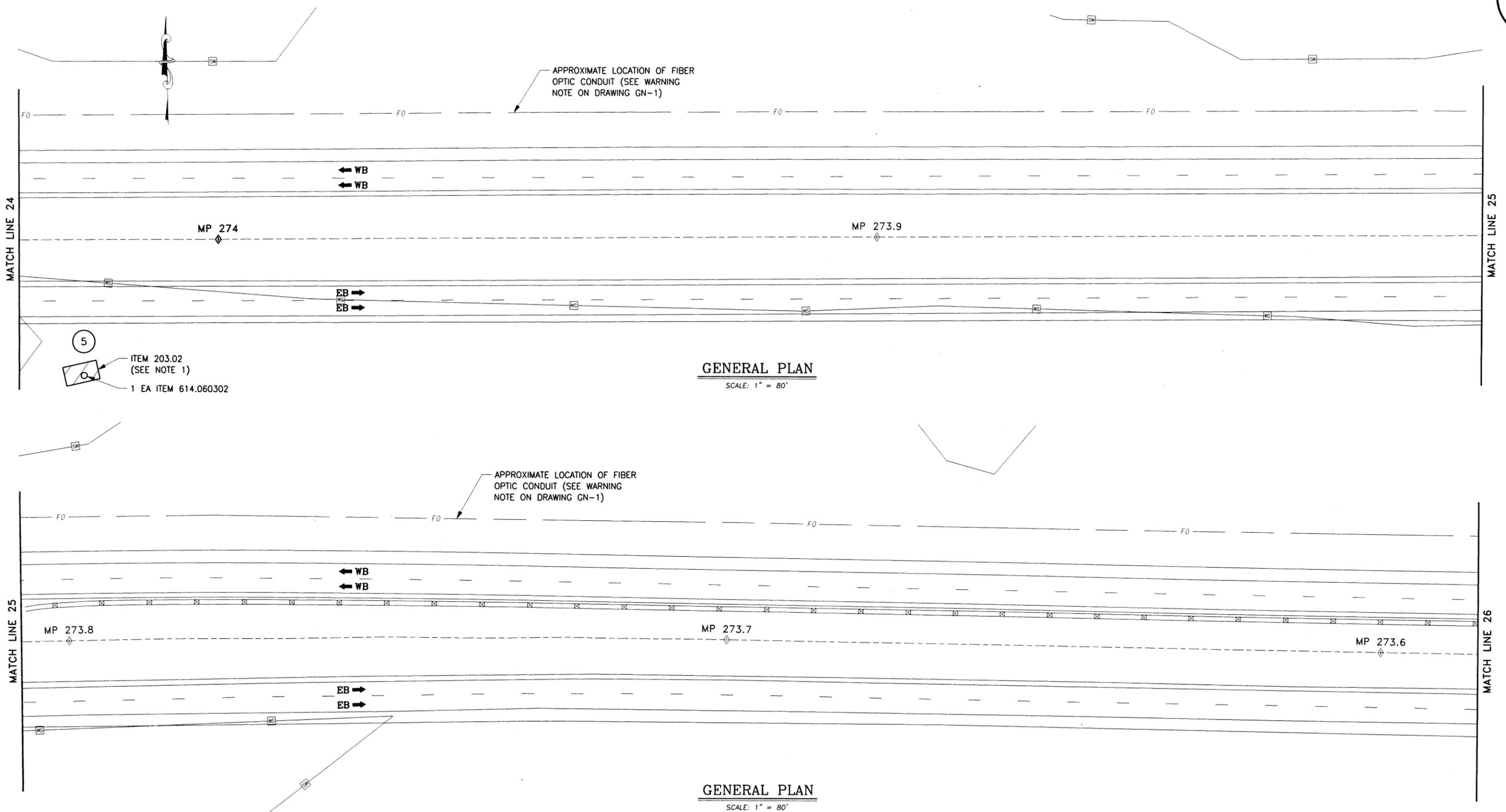
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DESIGNED BY: TA

DESIGN SUPERVISOR: TA



ALTERED ON:

SIGNATURE STAMP:

AFFIXED ON: 9-14-2016

SIGNATURE STAMP:

- ITEMS**
- 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
 - 614.060302 - TREE REMOVAL OVER 12" TO 18" DIA. BREAST HIGH STUMP CUT FLUSH

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
1. FLATTEN BACKSLOPE BEHIND STONE LINED DITCH.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-13

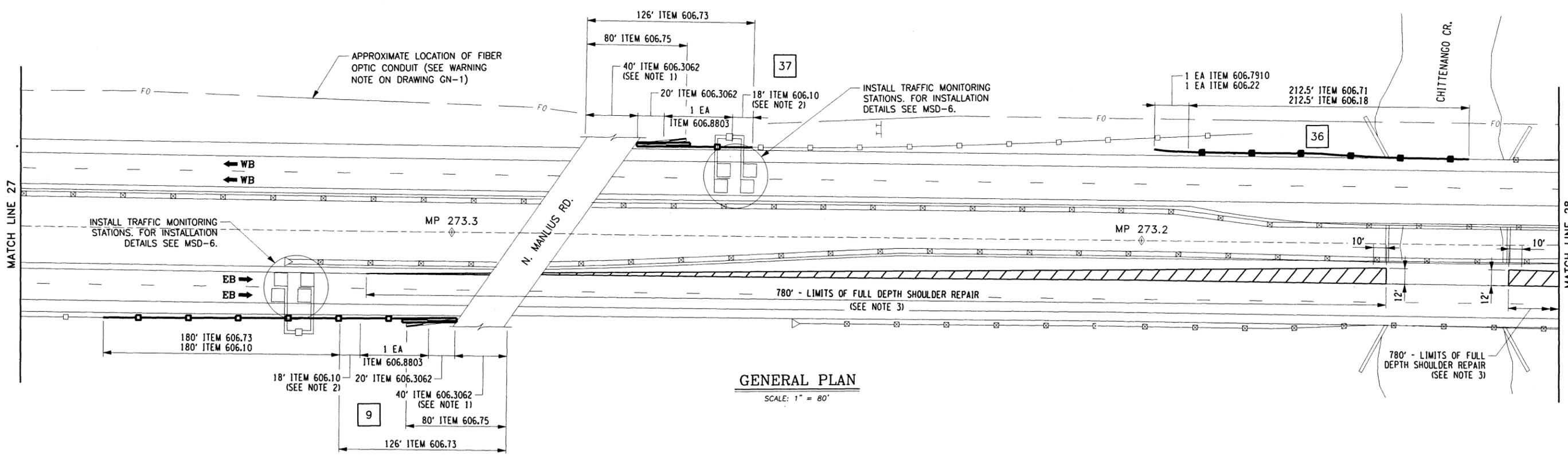
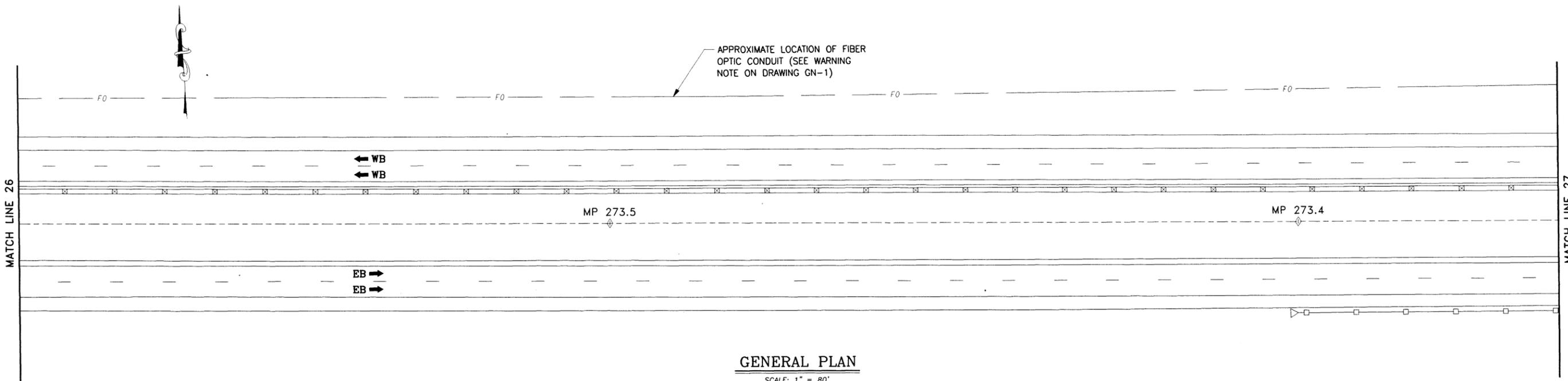
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CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



- ITEMS**
- 606.10 - BOX BEAM GUIDE RAILING
 - 606.18 - MODIFIED WEAK-POST CORRUGATED BEAM GUIDE RAIL
 - 606.22 - ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING
 - 606.3062 - SINGLE SLOPE CONCRETE HALF SECTION BARRIER (PRECAST)
 - 606.71 - REMOVE AND DISPOSE OF CORRUGATED BEAM GUIDE RAIL
 - 606.73 - REMOVE AND DISPOSE BOX BEAM GUIDE RAIL
 - 606.75 - REMOVE AND DISPOSE CONCRETE BARRIER
 - 606.7910 - REMOVE AND DISPOSE OF ANCHOR UNIT/CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER
 - 606.79200125 - REMOVE AND DISPOSE END ASSEMBLY FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER
 - 606.8803 - TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)

- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
1. FOR PIER PROTECTION SEE DWG. GRD-1.
 2. CUT BOX BEAM TO FIT, PAID FOR UNDER ITEM 606.10.
 3. FOR FULL DEPTH SHOULDER REPAIR DETAIL AND ITEMS SEE DWG. PRD-1.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK

LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3

CONTRACT NUMBER:
TAS 16-31

DATE:
3/22/16

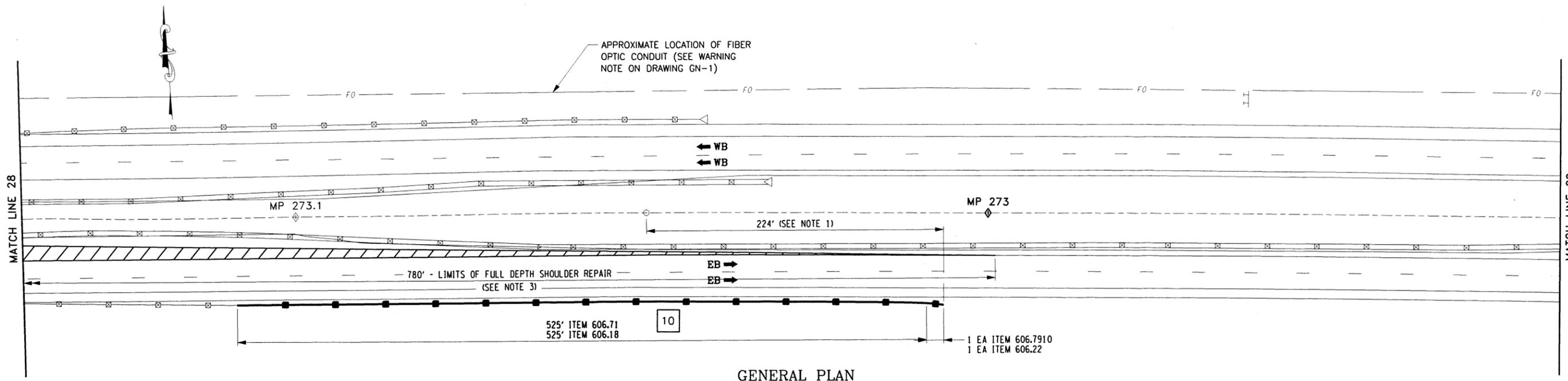
TITLE OF DRAWING
GENERAL PLAN

DRAWING NUMBER:
PL-14

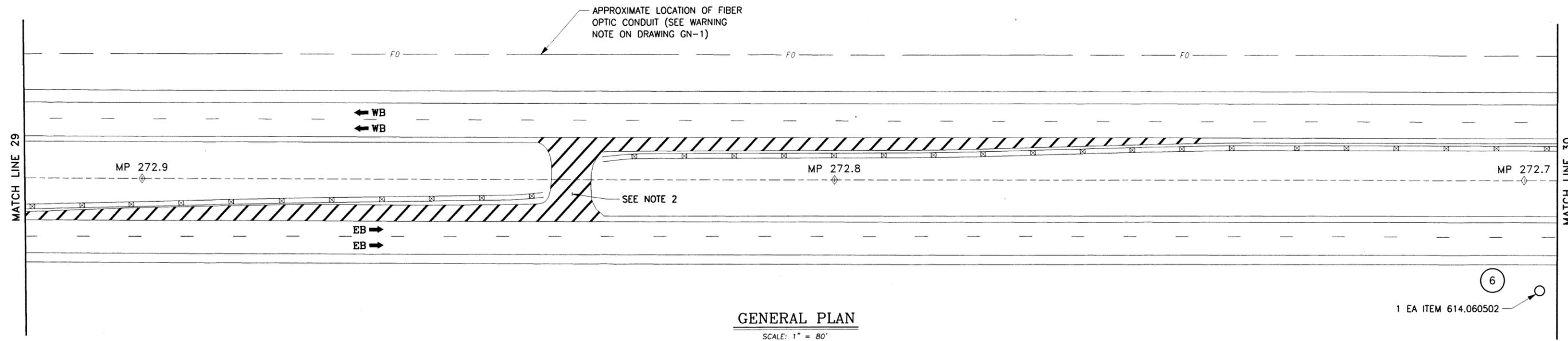
ALTERED ON: _____

AFFIXED ON: 9-14-2016

SIGNATURE STAMP: _____



GENERAL PLAN
SCALE: 1" = 80'



GENERAL PLAN
SCALE: 1" = 80'

DESIGNED BY: TA
CHECKED BY: TA
DRAFTED BY: TA
CHECKED BY: TA

ALTERED ON:
SIGNATURE:
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AFFIXED ON:
9-14-2016
SIGNATURE:
STAMP:

- ITEMS**
- 402.126203 - 12.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION
 - 490.30 - MISC. COLD MILLING OF BITUMINOUS CONCRETE
 - 606.18 - MODIFIED WEAK-POST CORRUGATED BEAM GUIDE RAIL
 - 606.22 - ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING
 - 606.71 - REMOVE AND DISPOSE OF CORRUGATED BEAM GUIDE RAIL
 - 606.7910 - REMOVE AND DISPOSE OF ANCHOR UNIT/CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER
 - 614.060502 - TREE REMOVAL OVER 24" TO 36" DIA. BREAST HIGH STUMP CUT FLUSH

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

- LEGEND**
- CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - GUIDE RAIL UPGRADES
 - SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
1. TERMINATE GUIDE RAIL 224' FROM EXISTING DROP INLET.
 2. MILL AND INLAY DECELERATION LANE AND U-TURN. ITEMS 490.30 AND 402.126203.
 3. FOR FULL DEPTH SHOULDER REPAIR DETAIL AND ITEMS SEE DWG. PRD-1.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER PL-15

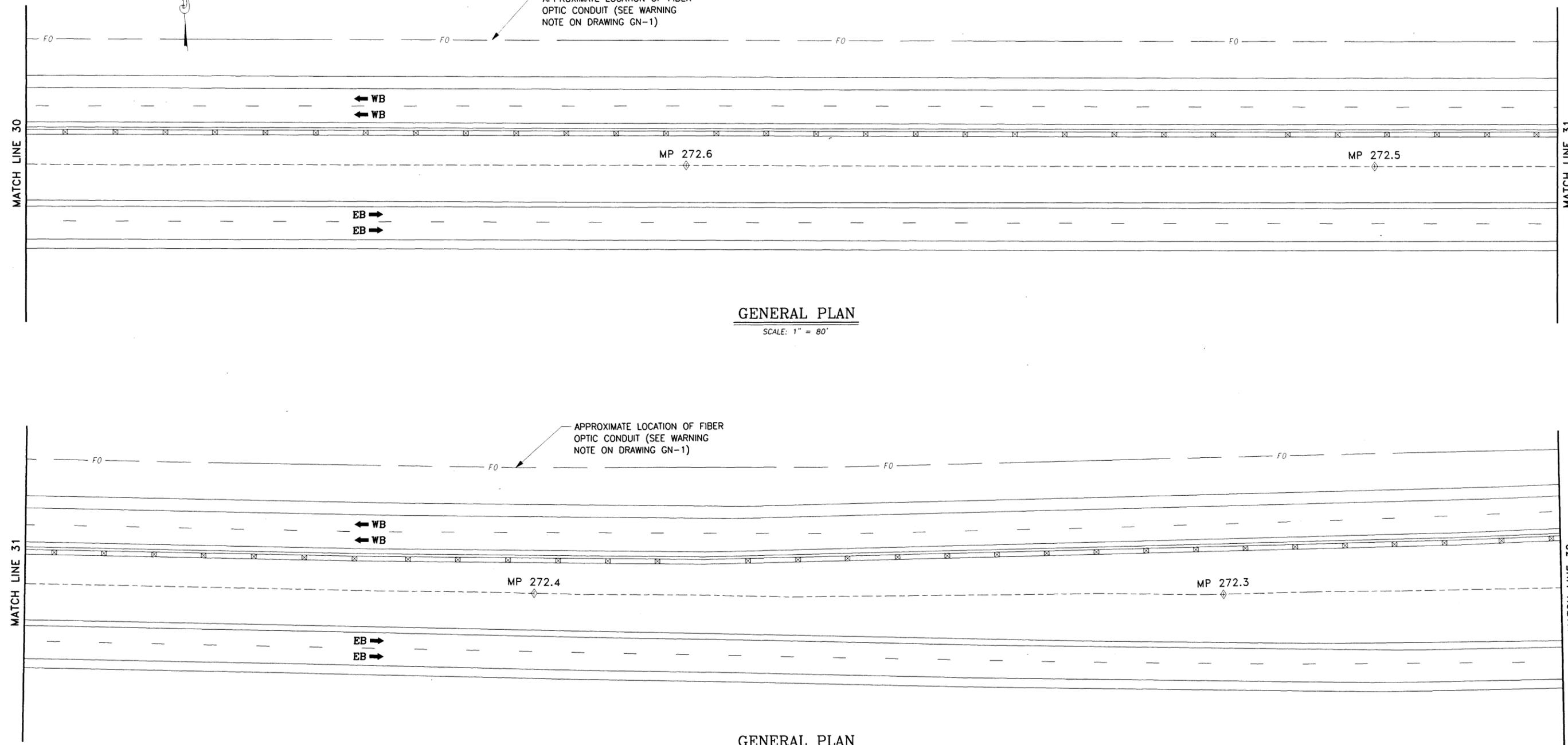
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DESIGN SUPERVISOR: TA



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GENERAL PLAN

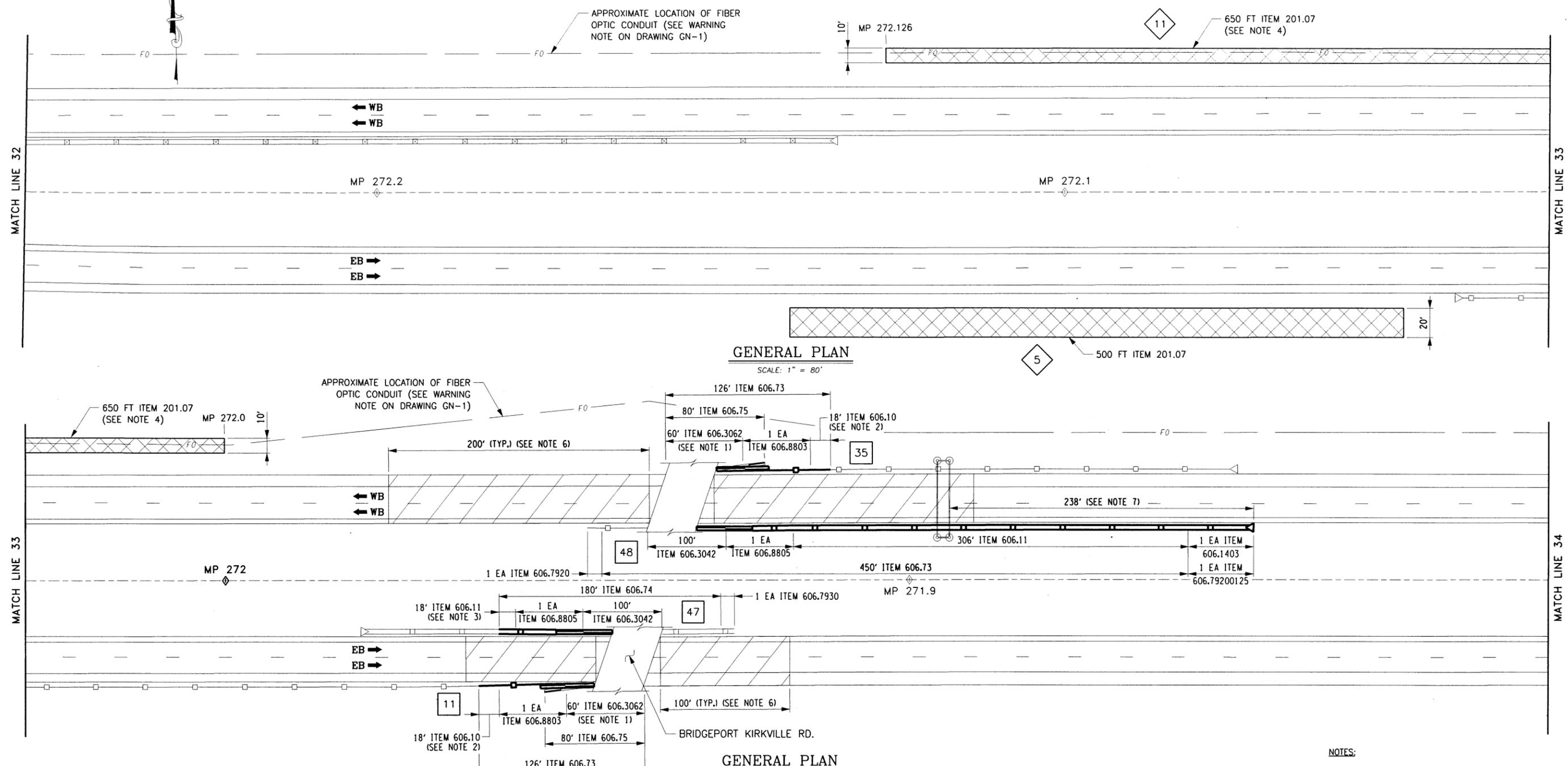
SCALE: 1" = 80'

- LEGEND
- CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - GUIDE RAIL UPGRADES
 - SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-16



- ITEMS**
- 201.07 - CLEARING AND GRUBBING
 - 606.10 - BOX BEAM GUIDE RAILING
 - 606.11 - BOX BEAM MEDIAN BARRIER
 - 606.1403 - BOX BEAM MEDIAN BARRIER END ASSEMBLY, TYPE C
 - 606.3042 - SINGLE SLOPE CONCRETE MEDIAN BARRIER (PRECAST)
 - 606.3062 - SINGLE SLOPE CONCRETE HALF SECTION BARRIER (PRECAST)
 - 606.73 - REMOVE AND DISPOSE BOX BEAM GUIDE RAIL
 - 606.74 - REMOVE AND DISPOSE BOX BEAM MEDIAN BARRIER
 - 606.75 - REMOVE AND DISPOSE CONCRETE BARRIER
 - 606.7920 - REMOVING AND DISPOSING BOX BEAM GUIDE RAILING END ASSEMBLY
 - 606.79200125 - REMOVE AND DISPOSE END ASSEMBLY FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER
 - 606.7930 - REMOVE AND DISPOSE BOX BEAM MEDIAN BARRIER END ASSEMBLY, TYPE A
 - 606.8803 - TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)
 - 606.8805 - TRANSITION BETWEEN BOX BEAM MEDIAN BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
1. FOR PIER PROTECTION SEE DWG. GRD-1.
 2. CUT BOX BEAM TO FIT, PAID FOR UNDER ITEM 606.10.
 3. CUT BOX BEAM MEDIAN BARRIER TO FIT, PAID FOR UNDER ITEM 606.11.
 4. TRIM CANOPY, SEE DRAWING CG-1 FOR DETAILS.
 5. FOR ITEM 606.8805 SEE STANDARD SHEET 606-25 FOR INSTALLATION DETAILS.
 6. FOR BRIDGE UNDERCLEARANCE DETAILS AND ITEMS SEE DRAWING MSD-8.
 7. INSTALL HEAD ASSEMBLY 238' FROM THE EASTERLY SIGN SUPPORT.

CHECKED BY: TA
 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA

ALTERED ON: _____

AFFIXED ON: **9-14-2016**

SIGNATURE: _____

STAMP: _____

NEW YORK STATE OF OPPORTUNITY

Thruway Authority Canal Corporation

TITLE OF PROJECT: 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK

LOCATION OF PROJECT: SYRACUSE DIVISION MP 262.0 - MP 279.3

TITLE OF DRAWING: GENERAL PLAN

CONTRACT NUMBER: TAS 16-31

DATE: 3/22/16

DRAWING NUMBER: PL-17

CHECKED BY: TA

DRAFTED BY: TA

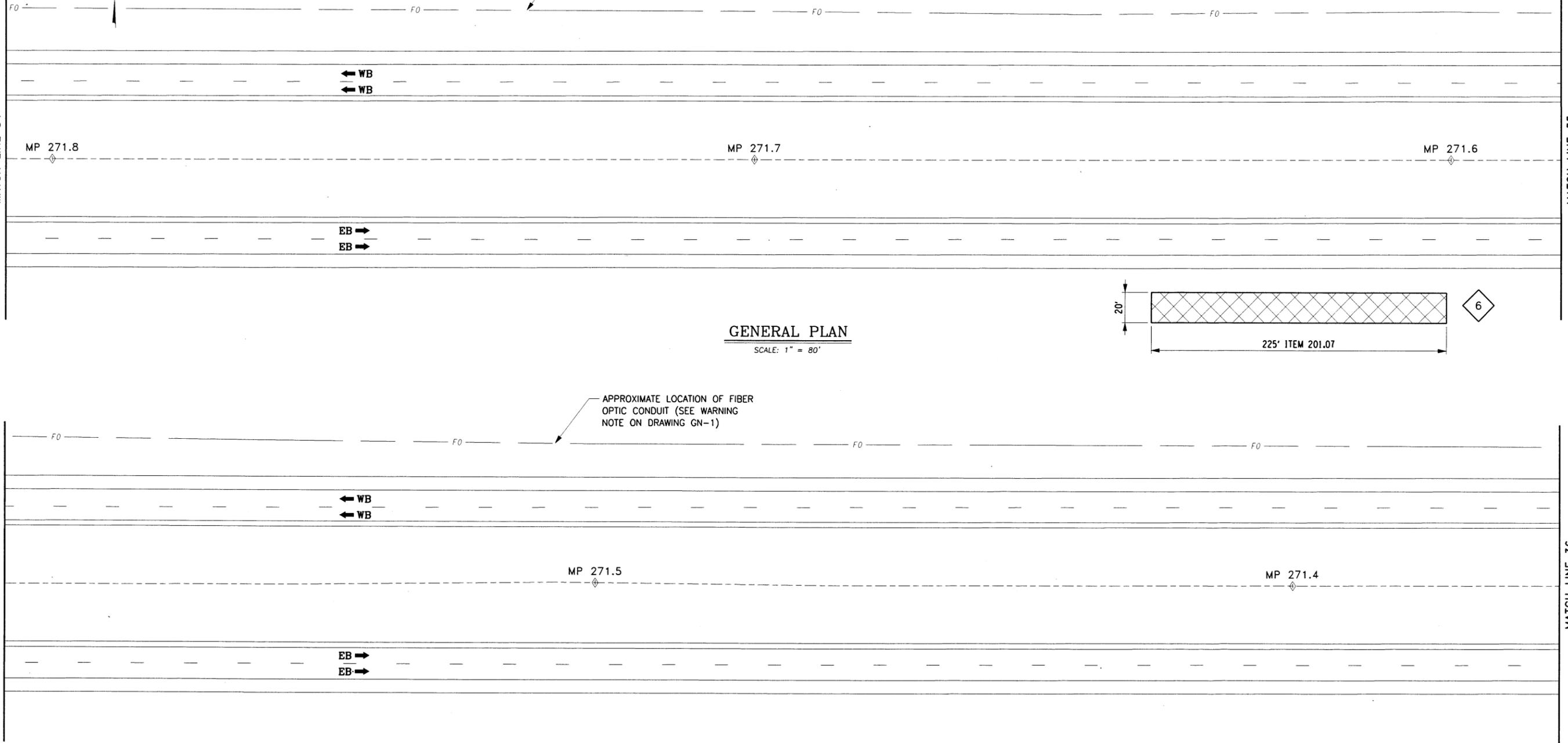
CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



APPROXIMATE LOCATION OF FIBER OPTIC CONDUIT (SEE WARNING NOTE ON DRAWING GN-1)



GENERAL PLAN
SCALE: 1" = 80'

APPROXIMATE LOCATION OF FIBER OPTIC CONDUIT (SEE WARNING NOTE ON DRAWING GN-1)

GENERAL PLAN
SCALE: 1" = 80'

LEGEND

- CLEARING & GRUBBING (NO GRUBBING REQUIRED)
- GUIDE RAIL UPGRADES
- SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- ITEMS**
- 201.07 - CLEARING AND GRUBBING

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 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-18

ALTERED ON: _____

AFFIXED ON: 9-14-2016

SIGNATURE: _____

STAMP: _____

CHECKED BY: TA

DRAFTED BY: TA

CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA

MATCH LINE 36

MATCH LINE 37

MATCH LINE 37

MATCH LINE 38

FO

FO

FO

FO

← WB
← WB

MP 271.3

MP 271.2

EB →
EB →

GENERAL PLAN
SCALE: 1" = 80'

APPROXIMATE LOCATION OF FIBER OPTIC CONDUIT (SEE WARNING NOTE ON DRAWING GN-1)

FO

FO

FO

FO

← WB
← WB

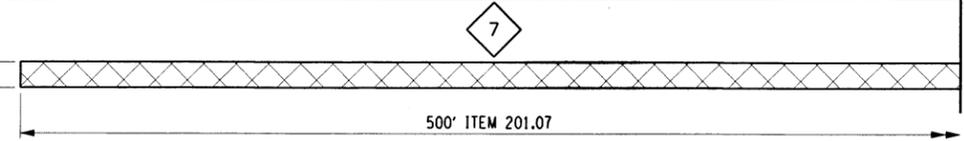
MP 271.1

MP 271

EB →
EB →

GENERAL PLAN
SCALE: 1" = 80'

10'



LEGEND

- CLEARING & GRUBBING (NO GRUBBING REQUIRED)
- GUIDE RAIL UPGRADES
- SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

ALTERED ON:	AFFIXED ON: 9-14-2016
SIGNATURE: STAMP:	SIGNATURE: STAMP:

- ITEMS**
- 201.07 - CLEARING AND GRUBBING

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 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-19

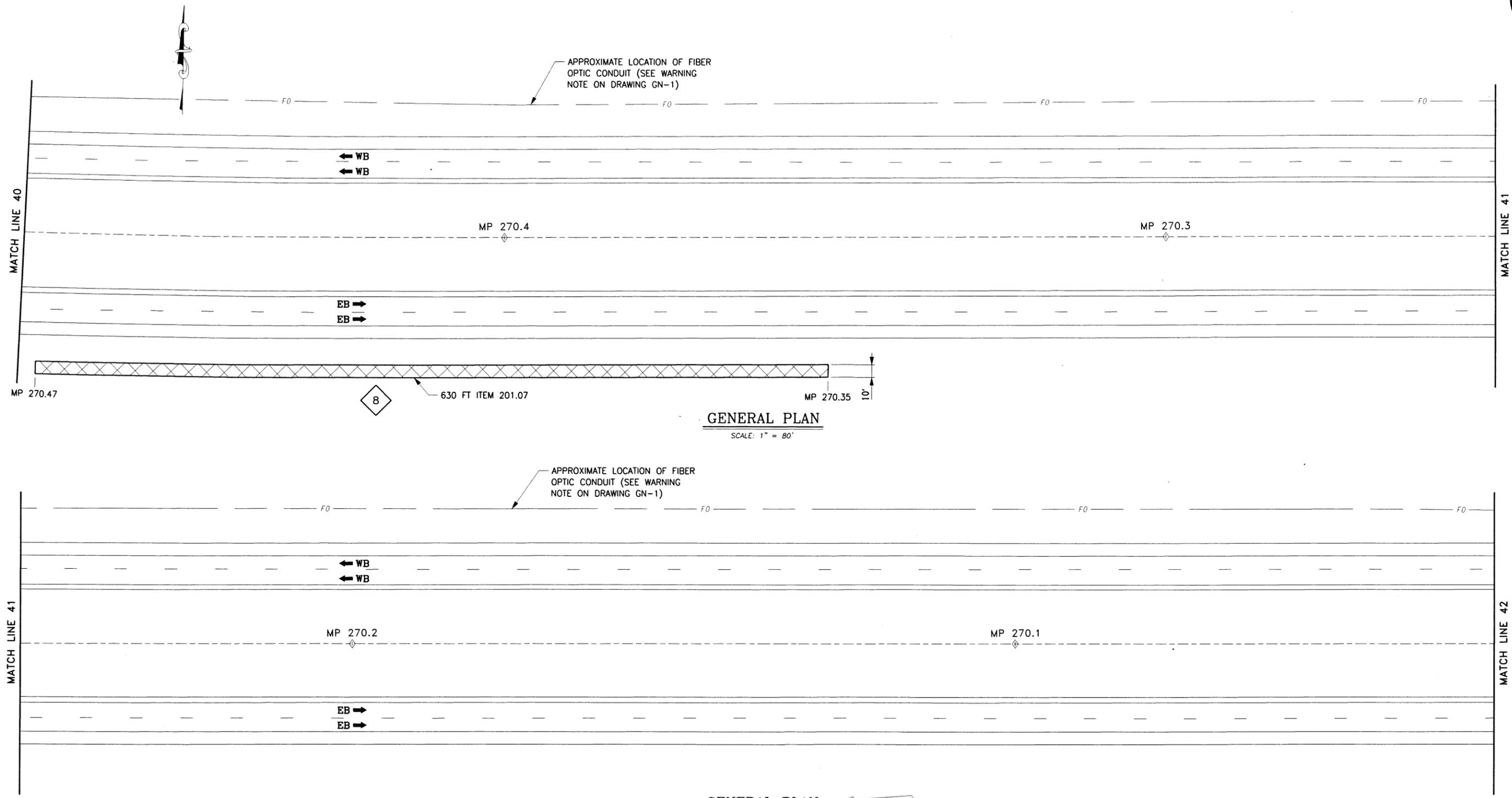
CHECKED BY: TA

DRAFTED BY: TA

CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



GENERAL PLAN
SCALE: 1" = 80'

GENERAL PLAN
SCALE: 1" = 80'

- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

ITEMS
201.07 - CLEARING AND GRUBBING

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 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-21

ALTERED ON: 9-14-2016

AFFIXED ON: 9-14-2016

SIGNATURE: [Signature]

STAMP: [Professional Engineer Seal for Jeffrey Michael Pegaree, State of New York, License No. 073675]

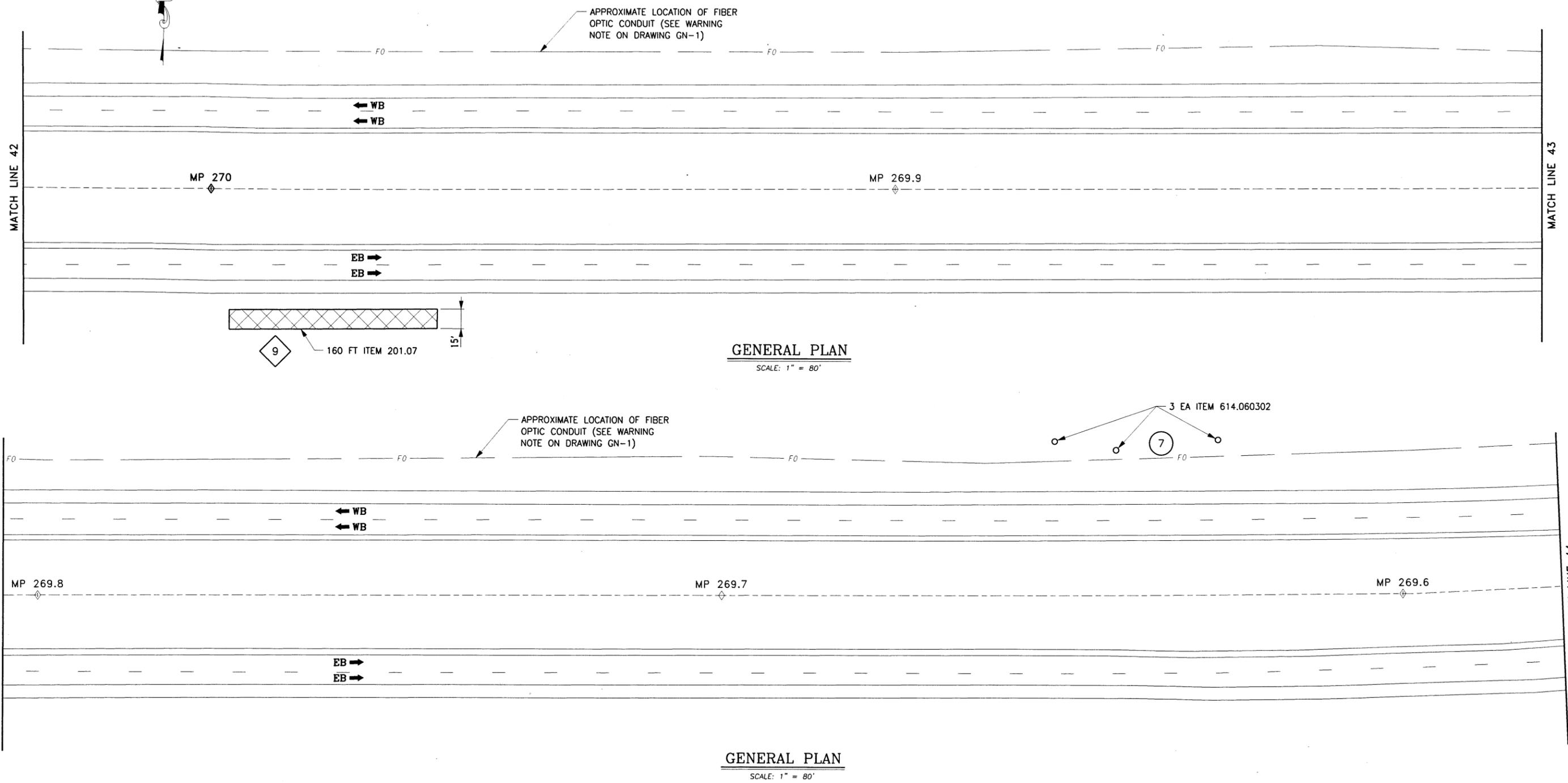
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CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



ALTERED ON:

SIGNATURE: STAMP:

AFFIXED ON: 9-14-2016

SIGNATURE: STAMP:

- ITEMS
- 201.07 - CLEARING AND GRUBBING
 - 614.060302 - TREE REMOVAL OVER 12" TO 18" DIA. BREAST HIGH STUMP CUT FLUSH

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.

- LEGEND
- ◆ # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL



TITLE OF PROJECT: 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK

LOCATION OF PROJECT: SYRACUSE DIVISION MP 262.0 - MP 279.3

TITLE OF DRAWING: GENERAL PLAN

CONTRACT NUMBER: TAS 16-31

DATE: 3/22/16

DRAWING NUMBER: PL-22

CHECKED BY: TA

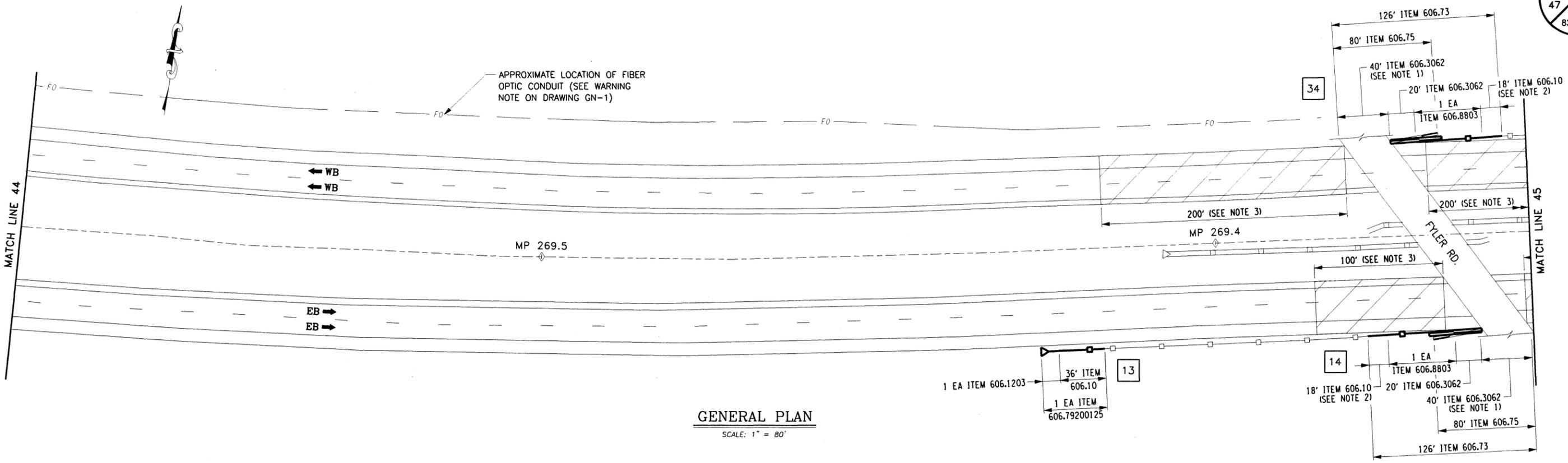
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CHECKED BY: TA

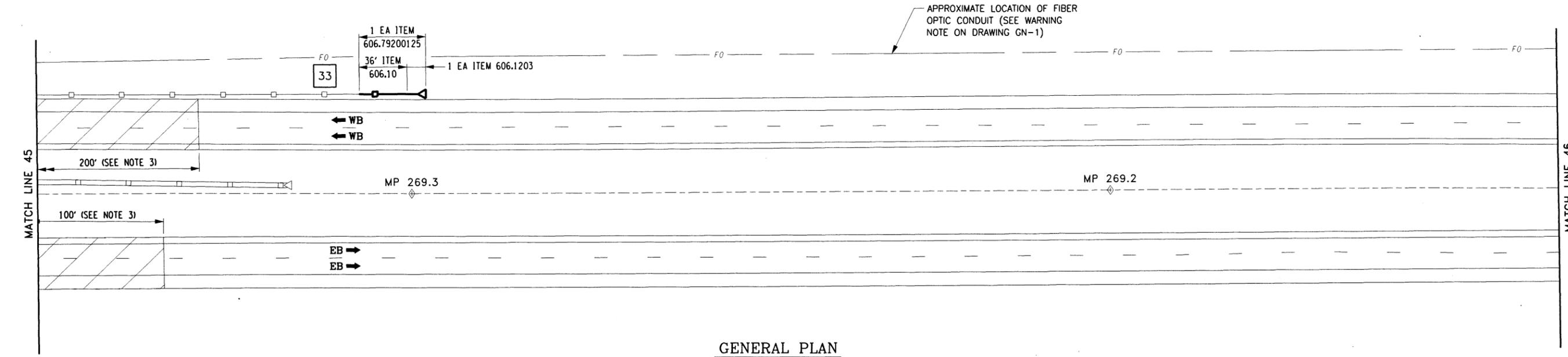
DESIGNED BY: TA

DESIGN SUPERVISOR: TA

47
83



GENERAL PLAN
SCALE: 1" = 80'



GENERAL PLAN
SCALE: 1" = 80'

ITEMS

- 606.10 - BOX BEAM GUIDE RAILING
- 606.1203 - BOX BEAM GUIDE RAIL END ASSEMBLY, TYPE III
- 606.3062 - SINGLE SLOPE CONCRETE HALF SECTION BARRIER (PRECAST)
- 606.73 - REMOVE AND DISPOSE BOX BEAM GUIDE RAIL
- 606.75 - REMOVE AND DISPOSE CONCRETE BARRIER
- 606.79200125 - REMOVE AND DISPOSE END ASSEMBLY FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER
- 606.8803 - TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)

LEGEND

- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
- # GUIDE RAIL UPGRADES
- # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

NOTES:

1. FOR PIER PROTECTION SEE DWG. GRD-1.
2. IF NEEDED, CUT BOX BEAM TO FIT, COST TO BE INCLUDED IN ITEM 606.10.
3. FOR BRIDGE UNDERCLEARANCE DETAILS AND ITEMS SEE DRAWING MSD-8.

ALTERED ON:

AFFIXED ON: 9-14-2016

SIGNATURE: STAMP:

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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
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK

LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3

TITLE OF DRAWING
GENERAL PLAN

CONTRACT NUMBER:
TAS 16-31

DATE:
3/22/16

DRAWING NUMBER:
PL-23

CHECKED BY: TA

DRAFTED BY: TA

CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA

MATCH LINE 46

MATCH LINE 47

MATCH LINE 47

MATCH LINE 48

APPROXIMATE LOCATION OF FIBER OPTIC CONDUIT (SEE WARNING NOTE ON DRAWING GN-1)

APPROXIMATE LOCATION OF FIBER OPTIC CONDUIT (SEE WARNING NOTE ON DRAWING GN-1)

GENERAL PLAN

SCALE: 1" = 80'

GENERAL PLAN

SCALE: 1" = 80'

MP 269.1

MP 269

MP 268.9

MP 268.8

MP 268.7

← WB
← WB

EB →
EB →

← WB
← WB

EB →
EB →

LEGEND

- CLEARING & GRUBBING (NO GRUBBING REQUIRED)
- GUIDE RAIL UPGRADES
- SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

ALTERED ON:

AFFIXED ON: 9-14-2016

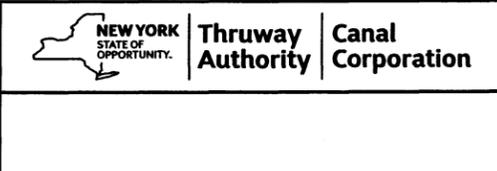
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL 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: 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
 LOCATION OF PROJECT: SYRACUSE DIVISION, MP 262.0 - MP 279.3
 TITLE OF DRAWING: GENERAL PLAN

CONTRACT NUMBER: TAS 16-31
 DATE: 3/22/16
 DRAWING NUMBER: PL-24

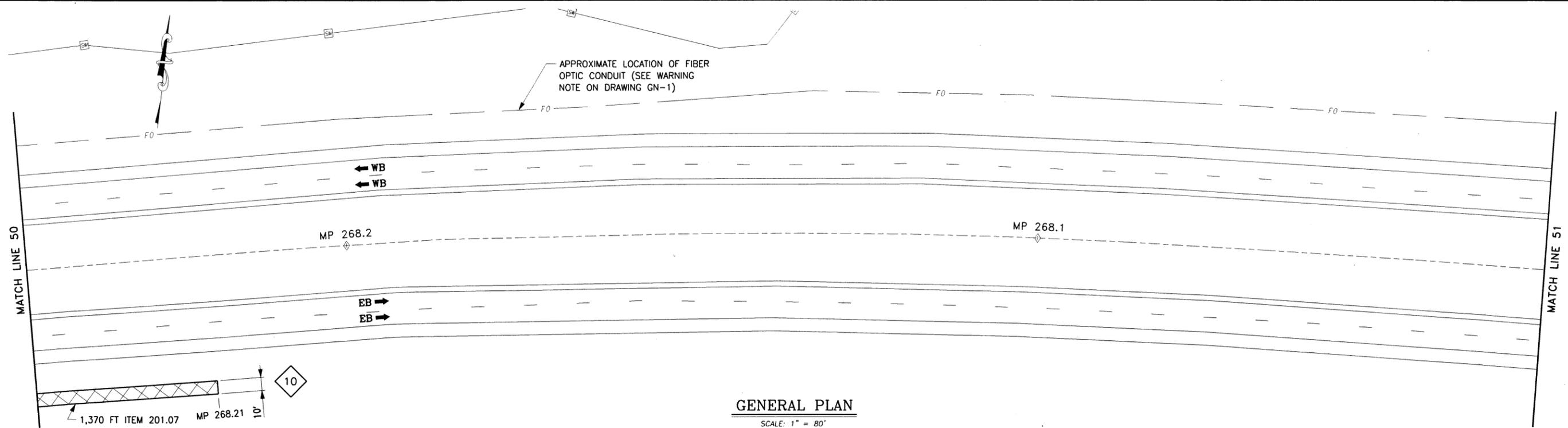
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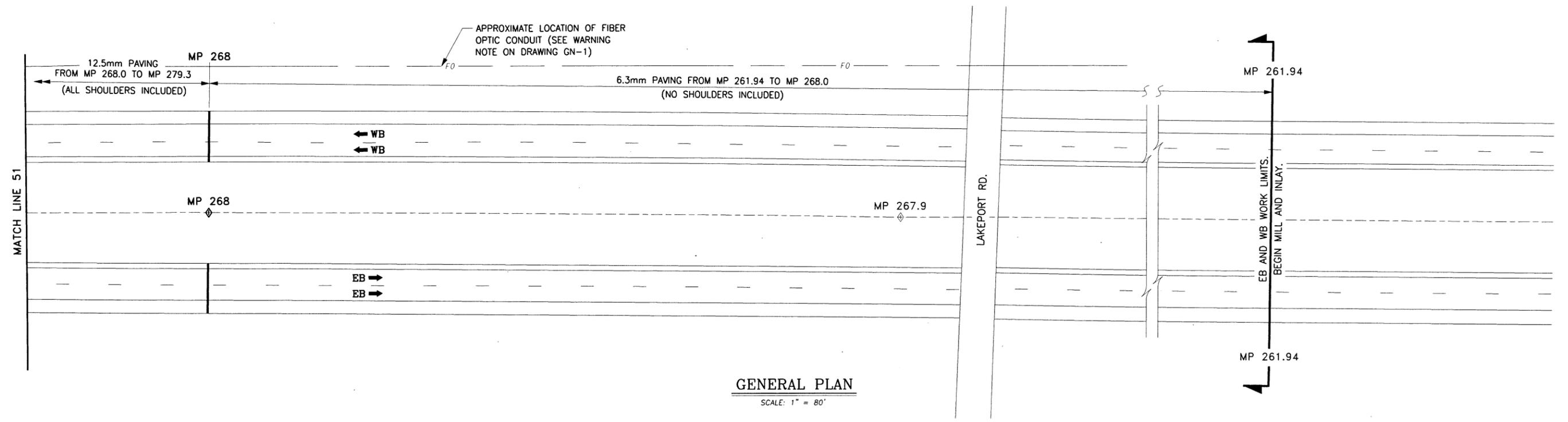
DESIGNED BY: TA

DESIGN SUPERVISOR: TA



GENERAL PLAN

SCALE: 1" = 80'



GENERAL PLAN

SCALE: 1" = 80'

LEGEND

- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
- # GUIDE RAIL UPGRADES
- # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

ALTERED ON:	AFFIXED ON: 9-14-2016
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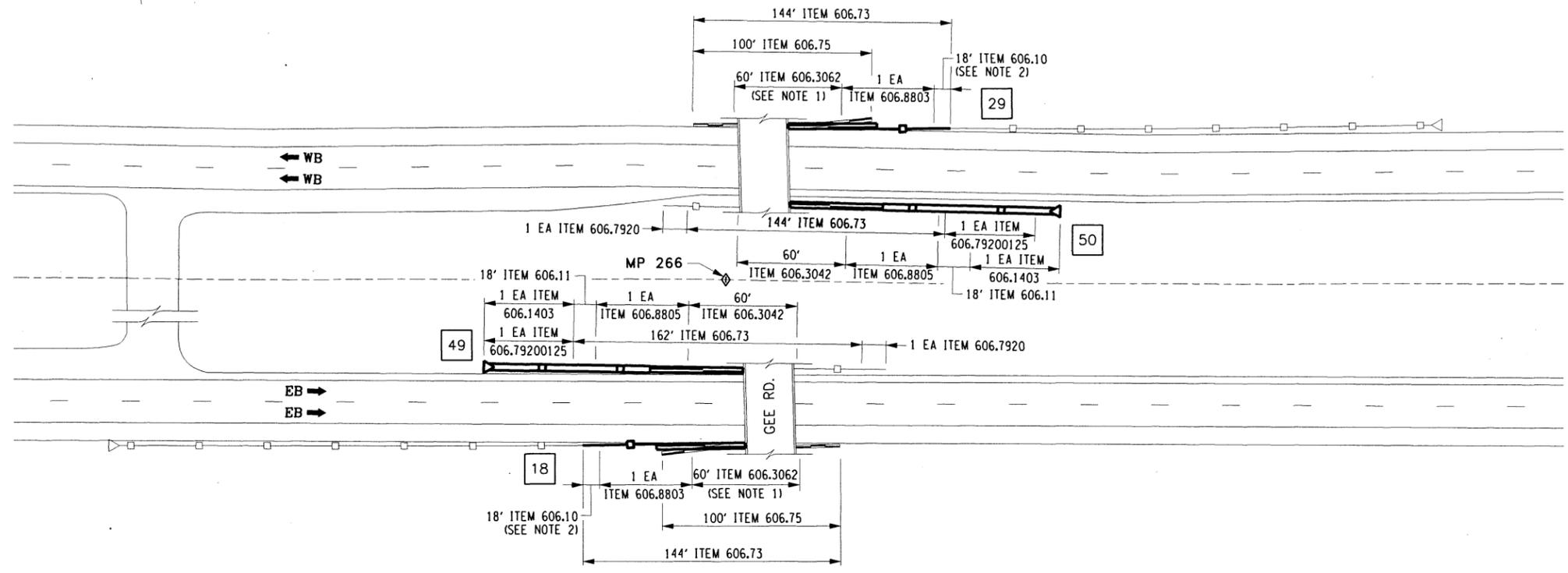
- ITEMS**
- 201.07 - CLEARING AND GRUBBING

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-26



GENERAL PLAN
GEE RD. BRIDGE, MP 265.99
SCALE: 1" = 80'

ITEMS

- 606.10 - BOX BEAM GUIDE RAILING
- 606.11 - BOX BEAM MEDIAN BARRIER
- 606.1403 - BOX BEAM MEDIAN BARRIER END ASSEMBLY, TYPE C
- 606.3042 - SINGLE SLOPE CONCRETE MEDIAN BARRIER (PRECAST)
- 606.3062 - SINGLE SLOPE CONCRETE HALF SECTION BARRIER (PRECAST)
- 606.73 - REMOVE AND DISPOSE BOX BEAM GUIDE RAIL
- 606.75 - REMOVE AND DISPOSE CONCRETE BARRIER
- 606.7920 - REMOVING AND DISPOSING BOX BEAM GUIDE RAILING END ASSEMBLY
- 606.79200125 - REMOVE AND DISPOSE END ASSEMBLY FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER
- 606.8803 - TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)
- 606.8805 - TRANSITION BETWEEN BOX BEAM MEDIAN BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER

- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
1. FOR PIER PROTECTION SEE DWG. GRD-1.
 2. CUT BOX BEAM TO FIT, PAID FOR UNDER ITEM 606.10.

CHECKED BY: TA
 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA

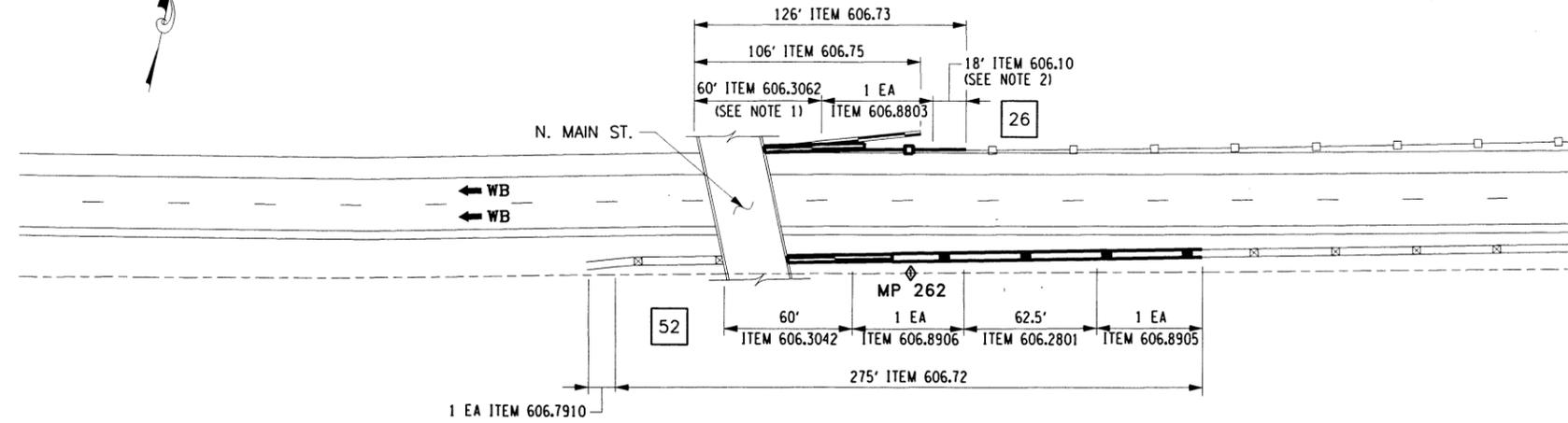
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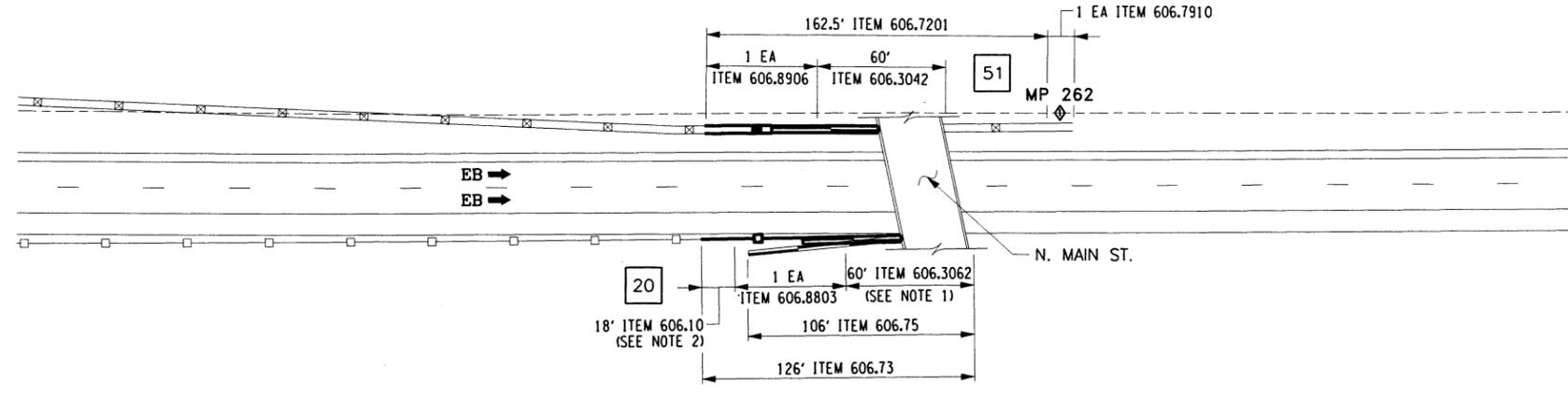
REVISIONS			
DATE	DESCRIPTION	BY	SYM.


Thruway Authority | **Canal Corporation**

TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-27



**GENERAL PLAN WESTBOUND
N. MAIN ST. BRIDGE, MP 262.01**
SCALE: 1" = 80'



**GENERAL PLAN EASTBOUND
N. MAIN ST. BRIDGE, MP 262.01**
SCALE: 1" = 80'

ITEMS

- 606.10 - BOX BEAM GUIDE RAILING
- 606.2801 - HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER
- 606.3042 - SINGLE SLOPE CONCRETE MEDIAN BARRIER (PRECAST)
- 606.3062 - SINGLE SLOPE CONCRETE HALF SECTION BARRIER (PRECAST)
- 606.72 - REMOVE AND DISPOSE OF CORRUGATED BEAM MEDIAN BARRIER
- 606.7201 - REMOVE AND DISPOSE HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER
- 606.73 - REMOVE AND DISPOSE BOX BEAM GUIDE RAIL
- 606.75 - REMOVE AND DISPOSE CONCRETE BARRIER
- 606.7910 - REMOVE AND DISPOSE OF ANCHOR UNIT/CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER
- 606.8803 - TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)
- 606.8905 - TRANSITION - HPBO (MOD) CORRUGATED BEAM MEDIAN BARRIER TO WEAK POST CORRUGATED MEDIAN BARRIER
- 606.8906 - TRANSITION - HPBO (MOD) CORRUGATED BEAM MEDIAN BARRIER TO SINGLE SLOPE CONCRETE MEDIAN BARRIER

- LEGEND**
- CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - GUIDE RAIL UPGRADES
 - SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
1. FOR PIER PROTECTION SEE DWG. GRD-1.
 2. IF NEEDED, CUT BOX BEAM TO FIT, PAID FOR UNDER ITEM 606.10.

DESIGNED BY: TA
CHECKED BY: TA
DRAFTED BY: TA
CHECKED BY: TA
DESIGN SUPERVISOR: TA

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON:
9-14-2016
SIGNATURE:
STAMP:

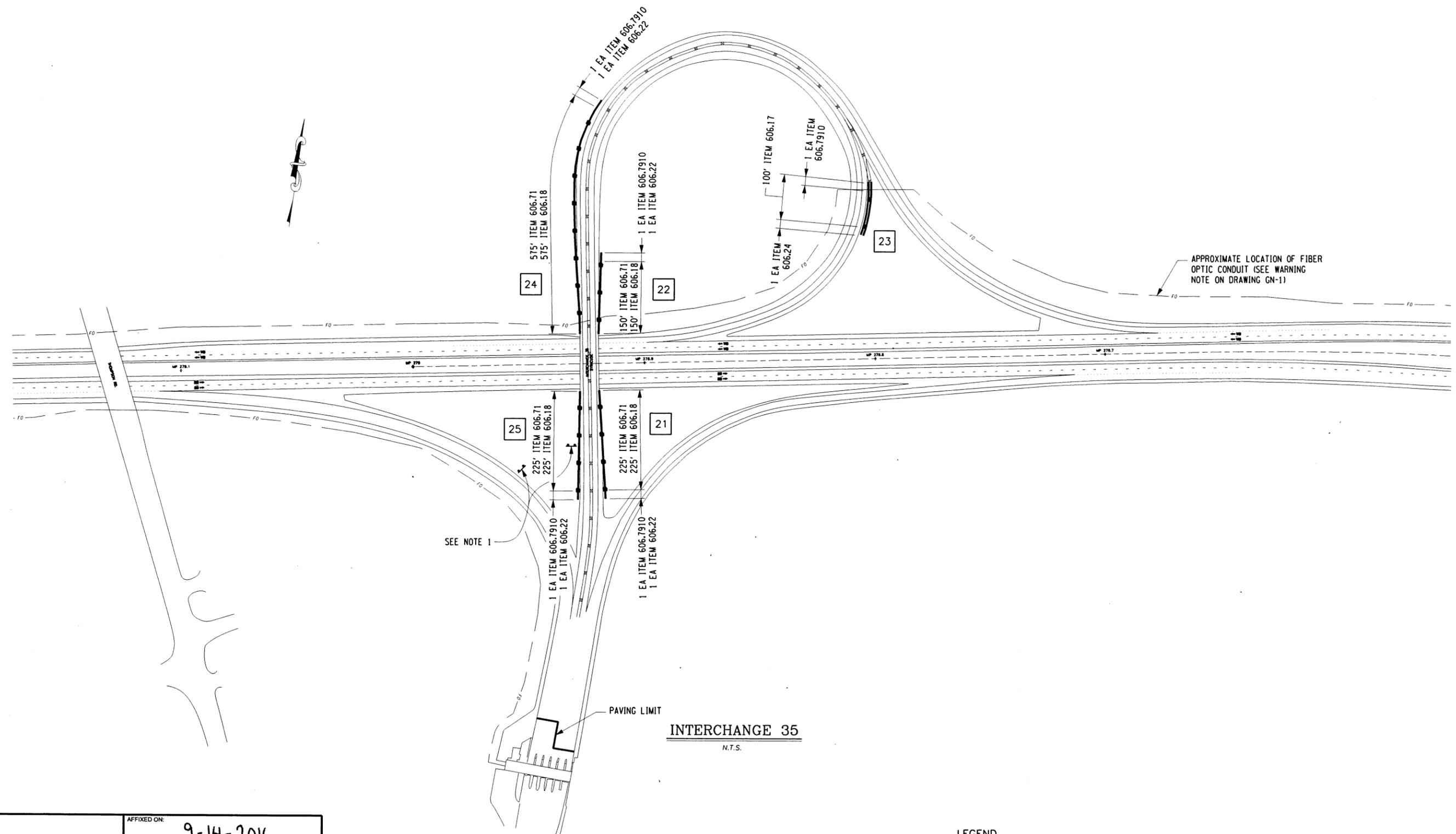
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING GENERAL PLAN	DRAWING NUMBER: PL-28

DESIGNED BY: TA
CHECKED BY: TA
DRAFTED BY: TA
CHECKED BY: TA



INTERCHANGE 35
N.T.S.

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON:
9-14-2016
SIGNATURE:
STAMP:

- ITEMS**
- 606.17 - CORRUGATED BEAM MEDIAN BARRIER
 - 606.18 - MODIFIED WEAK-POST CORRUGATED BEAM GUIDE RAIL
 - 606.22 - ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING
 - 606.24 - ANCHORAGE UNITS FOR CORRUGATED BEAM MEDIAN BARRIER
 - 606.71 - REMOVE AND DISPOSE OF CORRUGATED BEAM GUIDE RAIL
 - 606.7910 - REMOVE AND DISPOSE OF ANCHOR UNIT/CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER

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.

- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

NOTES:
1. FOR WRONG WAY DETERRENCE SIGN DETAILS AND RELATED WORK SEE WWDS-1, WWDS-2 AND WWDS-3.



TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3
TITLE OF DRAWING
GENERAL PLAN

CONTRACT NUMBER:
TAS 16-31
DATE:
3/22/16
DRAWING NUMBER:
PL-29

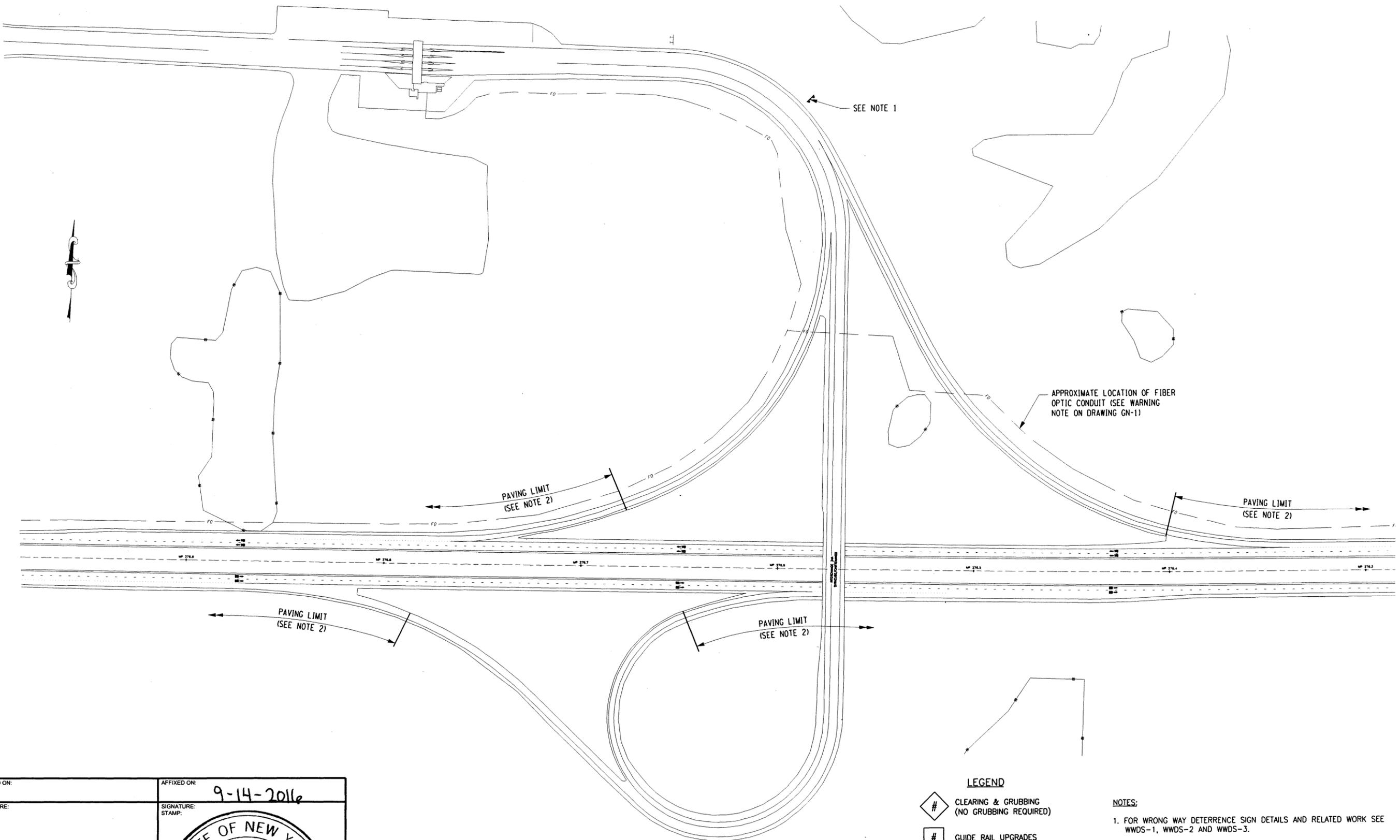
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DRAFTED BY: TA

CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



INTERCHANGE 34A
N.T.S.

- LEGEND**
- # CLEARING & GRUBBING (NO GRUBBING REQUIRED)
 - # GUIDE RAIL UPGRADES
 - # SLOPE FLATTENING, EARTH WORK & TREE REMOVAL

- NOTES:**
1. FOR WRONG WAY DETERRENCE SIGN DETAILS AND RELATED WORK SEE WWDS-1, WWDS-2 AND WWDS-3.
 2. MILL AND INLAY TO CONCRETE PAVEMENT.

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: 9-14-2016 SIGNATURE: STAMP: 
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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.


Thruway Authority | **Canal Corporation**

TITLE OF PROJECT: 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK LOCATION OF PROJECT: SYRACUSE DIVISION MP 262.0 - MP 279.3	CONTRACT NUMBER: TAS 16-31
TITLE OF DRAWING: GENERAL PLAN	DATE: 3/22/16
DRAWING NUMBER: PL-30	DRAWING NUMBER: PL-30

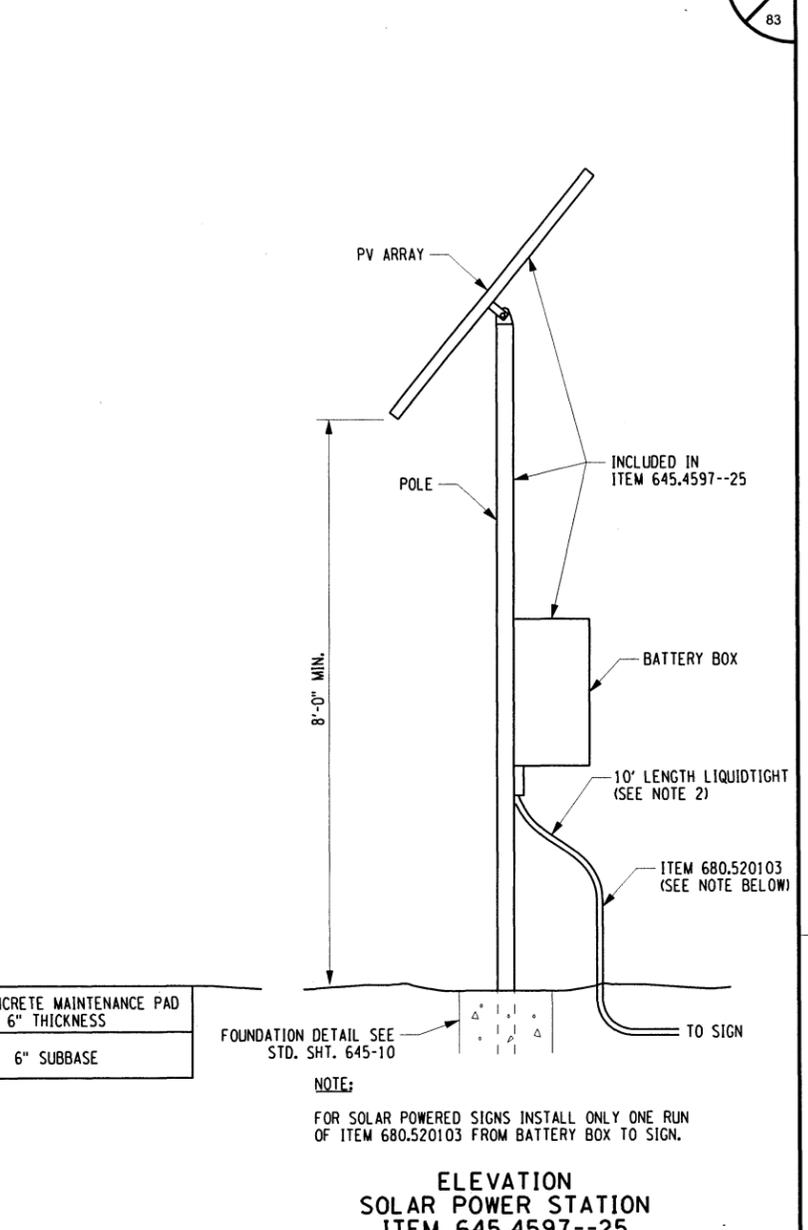
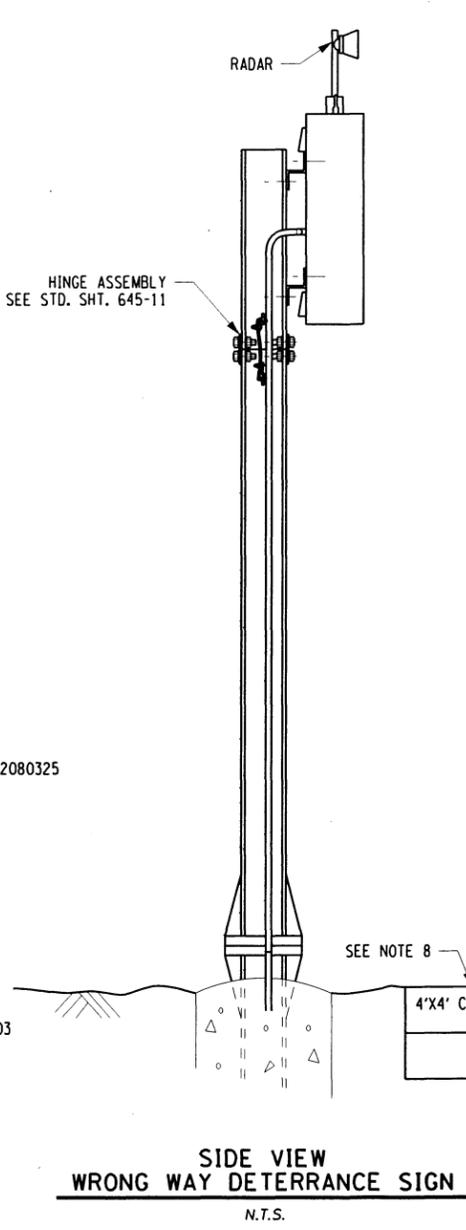
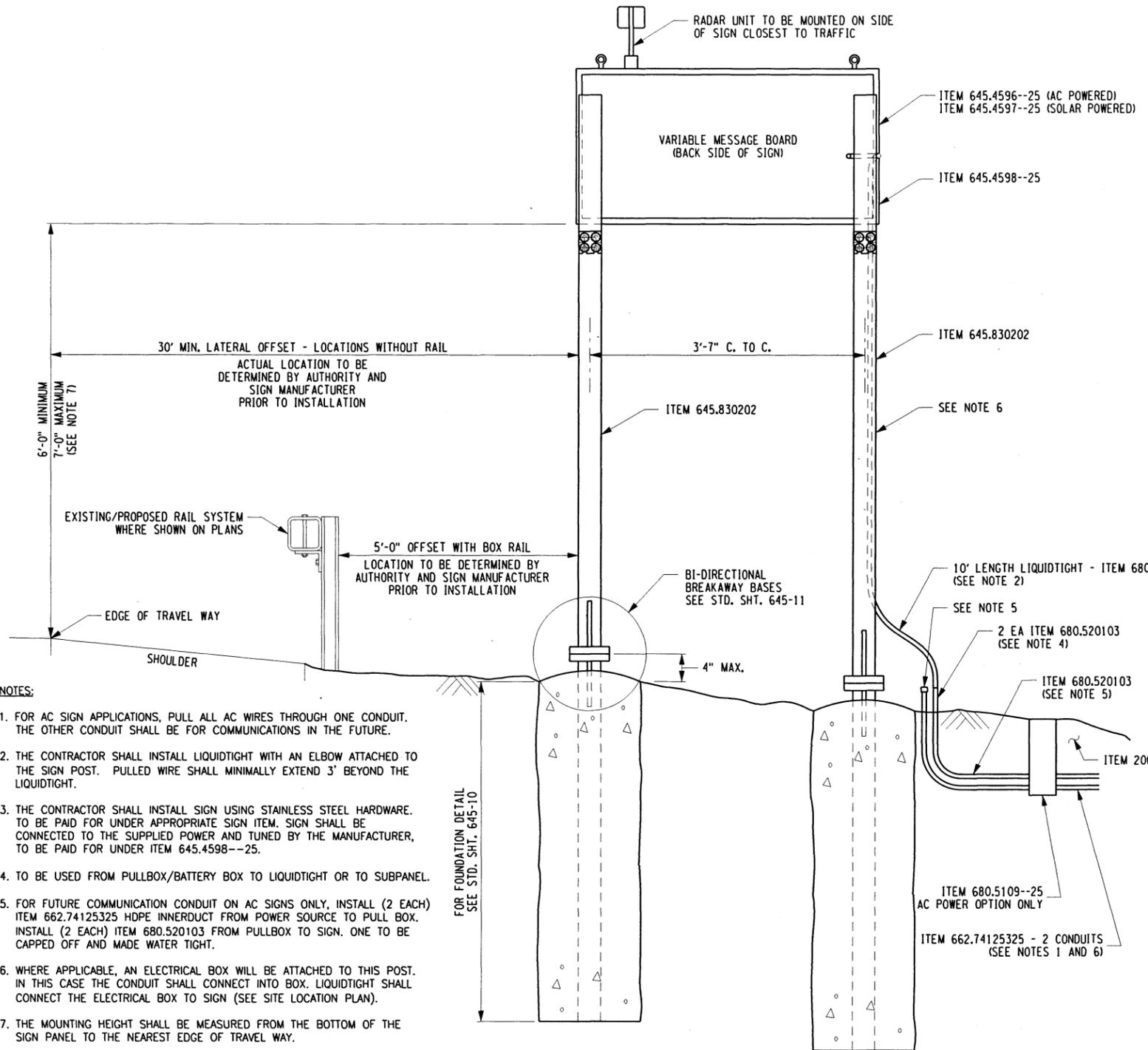
CHECKED BY: S. VELICKY

DRAFTED BY: K. KETZ

CHECKED BY: P. THOMPSON

DESIGNED BY: S. VELICKY

DESIGN SUPERVISOR: A. MASTROIANNI



- NOTES:**
- FOR AC SIGN APPLICATIONS, PULL ALL AC WIRES THROUGH ONE CONDUIT. THE OTHER CONDUIT SHALL BE FOR COMMUNICATIONS IN THE FUTURE.
 - THE CONTRACTOR SHALL INSTALL LIQUIDTIGHT WITH AN ELBOW ATTACHED TO THE SIGN POST. PULLED WIRE SHALL MINIMALLY EXTEND 3" BEYOND THE LIQUIDTIGHT.
 - THE CONTRACTOR SHALL INSTALL SIGN USING STAINLESS STEEL HARDWARE. TO BE PAID FOR UNDER APPROPRIATE SIGN ITEM. SIGN SHALL BE CONNECTED TO THE SUPPLIED POWER AND TUNED BY THE MANUFACTURER, TO BE PAID FOR UNDER ITEM 645.4598--25.
 - TO BE USED FROM PULLBOX/BATTERY BOX TO LIQUIDTIGHT OR TO SUBPANEL.
 - FOR FUTURE COMMUNICATION CONDUIT ON AC SIGNS ONLY, INSTALL (2 EACH) ITEM 662.74125325 HDPE INNERDUCT FROM POWER SOURCE TO PULL BOX. INSTALL (2 EACH) ITEM 680.520103 FROM PULLBOX TO SIGN. ONE TO BE CAPPED OFF AND MADE WATER TIGHT.
 - WHERE APPLICABLE, AN ELECTRICAL BOX WILL BE ATTACHED TO THIS POST. IN THIS CASE THE CONDUIT SHALL CONNECT INTO BOX. LIQUIDTIGHT SHALL CONNECT THE ELECTRICAL BOX TO SIGN (SEE SITE LOCATION PLAN).
 - THE MOUNTING HEIGHT SHALL BE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAREST EDGE OF TRAVEL WAY.
 - WHERE SITE CONDITIONS ALLOW, A CONCRETE MAINTENANCE WORKPAD SHALL BE INSTALLED. SEE CONTRACT PLANS FOR WORK ITEMS.

**ELEVATION
WRONG WAY DETERRANCE SIGN**
(READ IN DIRECTION OF TRAVEL)
N.T.S.

ITEM	DESCRIPTION	UNIT
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF
645.4596--25	WRONG WAY DETERRANCE SIGN WITH MOUNTING	EA
645.4597--25	WRONG WAY DETERRANCE SIGN WITH MOUNTING - SOLAR POWERED	EA
645.4598--25	SIGN COMMISSIONING	EA
645.830202	TYPE B SIGN POST, GALVANIZED, W150x13.5 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA
662.74125325	HDPE INNERDUCT (1 1/4")	LF
680.5109--25	PULLBOX - B	EA
680.520103	CONDUIT, METAL STEEL, ZINC COATED, 1" DIA.	LF
680.52080325	1 NPS CONDUIT, FLEXIBLE, LIQUIDTIGHT PVC	LF

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

NEW YORK STATE OF OPPORTUNITY

Thruway Authority Canal Corporation

TITLE OF PROJECT: **1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK**

LOCATION OF PROJECT: **SYRACUSE DIVISION MP 262.0 - MP 279.3**

TITLE OF DRAWING: **WRONG WAY DETERRANCE SIGN**

CONTRACT NUMBER: **TAS 16-31**

DATE: **3/3/16**

DRAWING NUMBER: **WWDS-1**

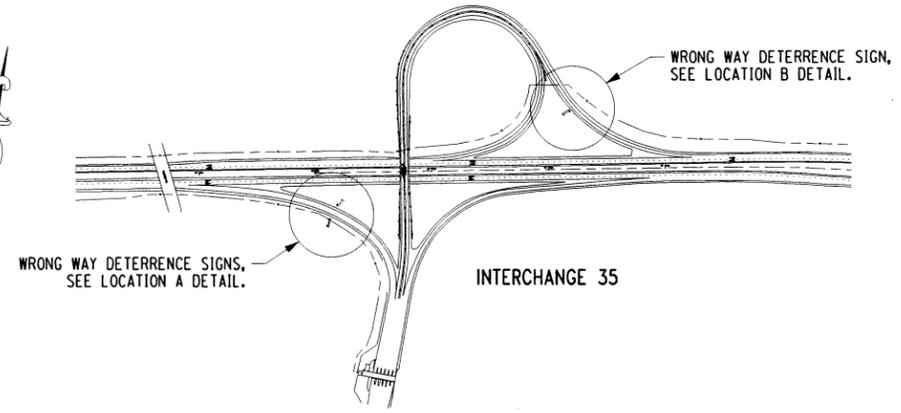
CHECKED BY: SAVELICKY

DRAFTED BY: KAVETZ

CHECKED BY: PATHOMPSON

DESIGNED BY: SAVELICKY

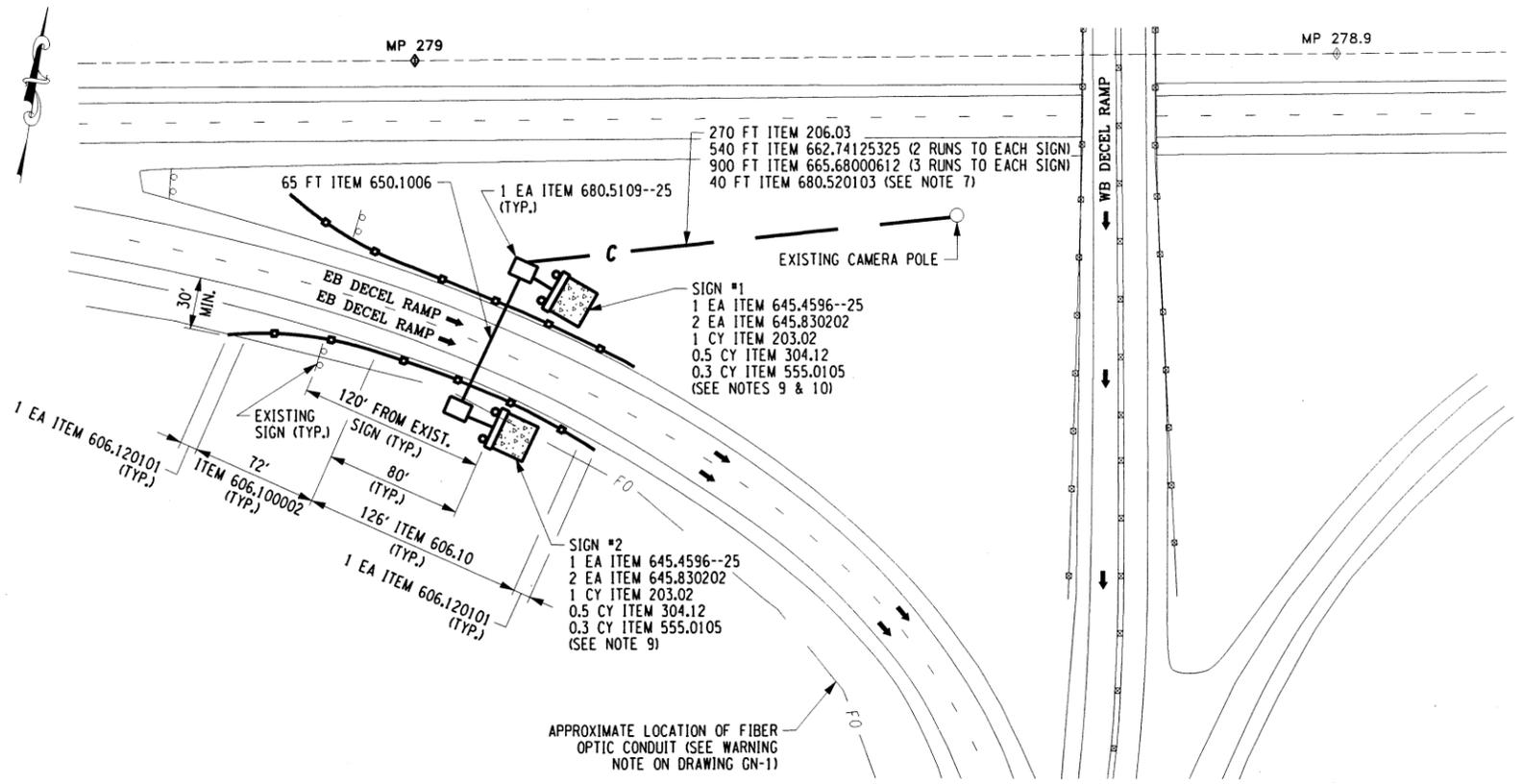
DESIGN SUPERVISOR: MA MASTROIANNI



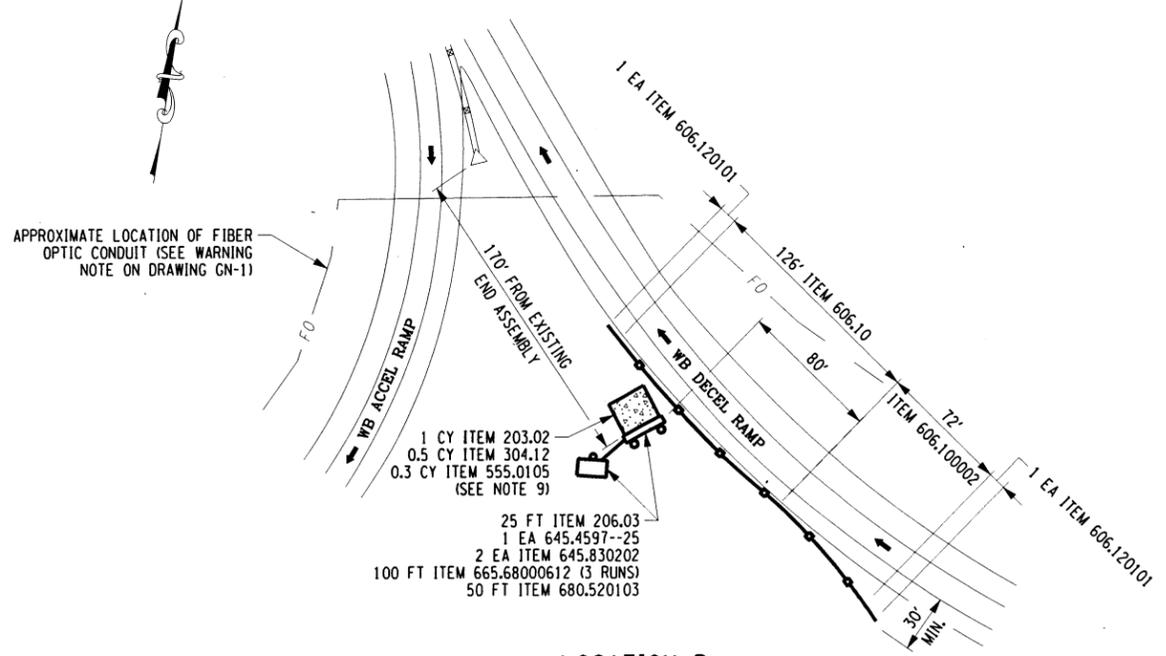
WORK LOCATION
N.T.S.

- NOTES:**
1. INSTALL WRONG WAY DETERRENCE SIGN ON RAMP WITH L.E.D. PANEL FACING BACKWARDS TO DIRECTION OF TRAVEL ON THE RAMP. (TOWARD THE DIRECTION OF THE TOLL BOTHS).
 2. SIGN SHALL BE INSTALLED WITH THE FACE OF THE SIGN AT A 10° ANGLE TOWARDS THE ROADWAY.
 3. POWER SHALL BE SUPPLIED FROM EXISTING CAMERA POLE. COST OF CONNECTING TO THE EXISTING AC POWER SHALL BE INCLUDED IN ITEM 665.68001212.
 4. INDICATED UTILITY LOCATIONS ARE QUALITY LEVEL D. TEST PITS, ITEM 206.05, TO POSITIVELY LOCATE EXISTING UTILITIES SHALL BE COMPLETED AS ORDERED BY THE ENGINEER.
 5. SIGN LOCATIONS PROVIDED ARE FOR REFERENCE ONLY, ACTUAL SIGN AND GUIDE RAIL INSTALLATION LOCATIONS SHALL BE DETERMINED BY THE AUTHORITY IN COORDINATION WITH THE SIGN MANUFACTURER.
 6. INSTALL 2 RUNS OF ITEM 662.74125325 TO EACH SIGN. ONE RUN TO BE CAPPED FOR FUTURE FIBER CONNECTION. HDPE WILL CONTAIN TRACE WIRE AND PULL STRING (MULE TAPE) FOR FUTURE USE.
 7. ITEM 680.520103 IS TO BE USED WHERE CONDUIT IS OUT OF GROUND.
 8. INSTALL 3 RUNS OF NO. 12 AWG WIRE TO EACH SIGN.
 9. CONSTRUCT A 6" THICK 4'x4' CONCRETE PAD. EXCAVATE GROUND AND PLACE 6" OF SUBBASE UNDER PAD.
 10. THIS SIGN WILL NOT INCLUDE A RADAR UNIT. BOTH SIGNS WILL BE CONTROLLED BY ONE RADAR MOUNTED SIGN #2. AN ADDITIONAL WIRE WILL BE NEEDED TO CONNECT THE RADAR TO SIGN #1.

ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
304.12	SUBBASE COURSE - TYPE 2	CY
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF
206.05	TEST PIT EXCAVATION	EA
555.0105	CONCRETE FOR STRUCTURES, CLASS A	CY
606.10	BOX BEAM GUIDERAIL	LF
606.100002	BOX BEAM GUIDE RAILING (SHOP BENT OR SHOP MITERED)	LF
606.120101	BOX BEAM END PIECE	EA
645.830202	SIGN POSTS	EA
645.4596--25	WRONG WAY DETERRENCE SIGN WITH MOUNTING	EA
645.4597--25	WRONG WAY DETERRENCE SIGN WITH MOUNTING, SOLAR POWERED	EA
650.1006	TRENCHLESS INSTALLATION OF CASING UNDER HIGHWAY	LF
662.74125325	HDPE INNER DUCT 1-1/4" (FOR FIBER)	EA
665.68000612	NO. 6 AWG WIRE	LF
665.68001212	NO. 12 AWG WIRE	LF
680.5109--25	PULLBOX - B	EA
680.520103	CONDUIT, METAL, STEEL, ZINC COATED, 1"	LF



LOCATION A
WRONG WAY DETERRENCE SIGN LOCATION PLAN
ITEM 645.2596--25
SCALE: 1" = 100'



LOCATION B
WRONG WAY DETERRENCE SIGN LOCATION PLAN
ITEM 645.4597--25
SCALE: 1" = 100'

ALTERED ON: _____ AFFIXED ON: **9-14-2016**

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING INTERCHANGE 35 WRONG WAY DETERRENCE SIGN LOCATION PLAN	DRAWING NUMBER: WWDS-2

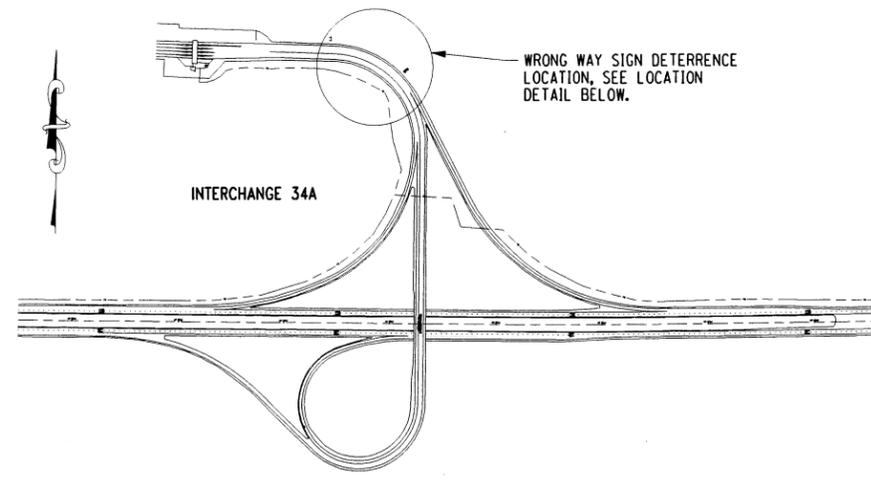
CHECKED BY: SAVELICKY

DRAFTED BY: KAKETZ

CHECKED BY: PATTHOMPSON

DESIGNED BY: SAVELICKY

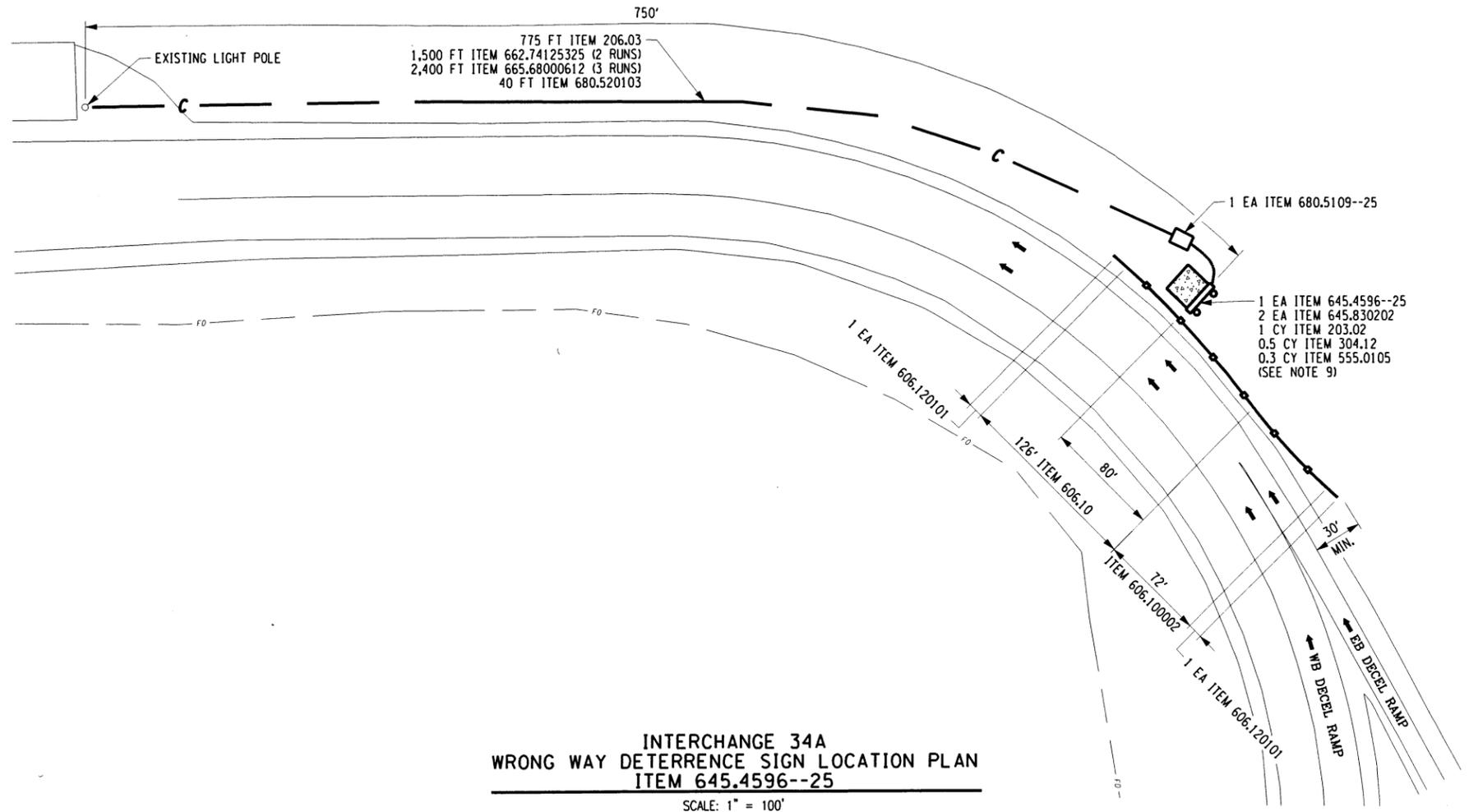
DESIGN SUPERVISOR: M. MASTROIANNI



WORK LOCATION
N.T.S.

- NOTES:**
1. INSTALL WRONG WAY DETERRENCE SIGN ON RAMPS WITH L.E.D. PANEL FACING BACKWARDS TO DIRECTION OF TRAVEL ON THE RAMP. (TOWARD THE DIRECTION OF THE TOLL BOTHS).
 2. SIGN SHALL BE INSTALLED WITH THE FACE OF THE SIGN AT A 10° ANGLE TOWARDS THE ROADWAY.
 3. POWER SHALL BE SUPPLIED FROM EXISTING POLE. COST OF CONNECTING TO THE EXISTING AC POWER SHALL BE INCLUDED IN ITEM 665.68001212.
 4. INDICATED UTILITY LOCATIONS ARE QUALITY LEVEL D. TEST PITS, ITEM 206.05, TO POSITIVELY LOCATE EXISTING UTILITIES SHALL BE COMPLETED AS ORDERED BY THE ENGINEER.
 5. SIGN LOCATION PROVIDED ARE FOR REFERENCE ONLY, ACTUAL SIGN AND GUIDE RAIL INSTALLATION LOCATIONS SHALL BE DETERMINED BY THE AUTHORITY IN COORDINATION WITH THE SIGN MANUFACTURER.
 6. INSTALL 2 RUNS OF ITEM 662.74125325. ONE RUN TO BE CAPPED ON BOTH SIDES FOR FUTURE FIBER CONNECTION. HDPE WILL CONTAIN TRACE WIRE AND PULL STRING (MULE TAPE) FOR FUTURE USE.
 7. ITEM 680.520103 IS TO BE USED WHERE CONDUIT IS OUT OF GROUND.
 8. INSTALL 3 RUNS OF NO. 6 AWG WIRE.
 9. CONSTRUCT A 6" THICK 4'x4' CONCRETE PAD. EXCAVATE GROUND AND PLACE 6" OF SUBBASE UNDER PAD.

ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
304.12	SUBBASE COURSE - TYPE 2	CY
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF
206.05	TEST PIT EXCAVATION	EA
555.0105	CONCRETE FOR STRUCTURES, CLASS A	CY
606.10	BOX BEAM GUIDERAIL	LF
606.100002	BOX BEAM GUIDE RAILING (SHOP BENT OR SHOP MITERED)	LF
606.120101	BOX BEAM END PIECE	EA
645.830202	SIGN POSTS	EA
645.4596--25	WRONG WAY DETERRENCE SIGN WITH MOUNTING	EA
662.74125325	HDPE INNER DUCT 1-1/4" (FOR FIBER)	LF
665.68000612	NO. 6 AWG WIRE	LF
680.5109--25	PULLBOX - B	EA
680.520103	CONDUIT, METAL, STEEL, ZINC COATED, 1"	LF



INTERCHANGE 34A
WRONG WAY DETERRENCE SIGN LOCATION PLAN
ITEM 645.4596--25
SCALE: 1" = 100'

ALTERED ON:	AFFIXED ON: 9-14-2016
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority | **Canal Corporation**

TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING INTERCHANGE 34A WRONG WAY DETERRENCE SIGN LOCATION PLAN	DRAWING NUMBER: WWDS-3

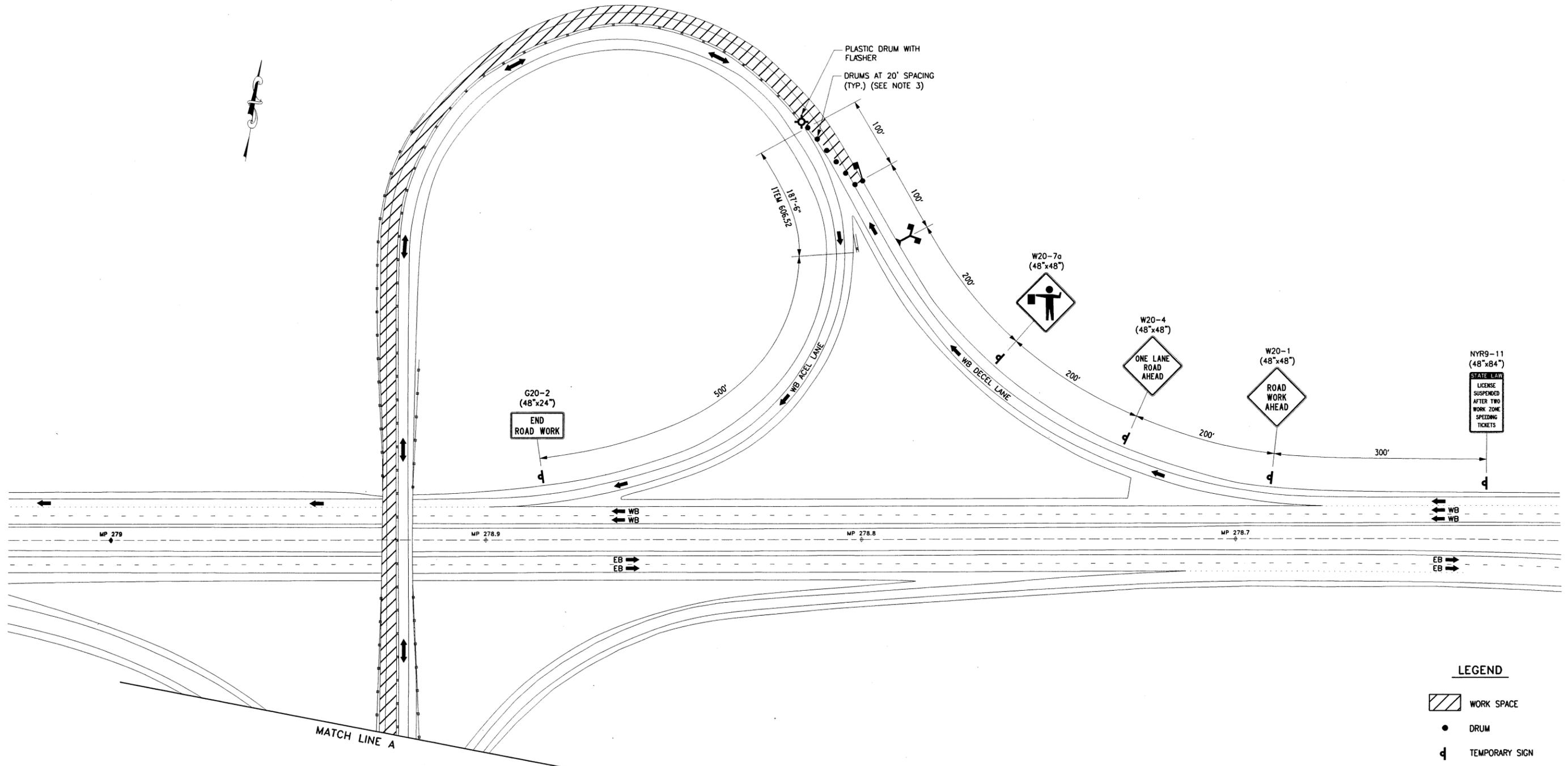
CHECKED BY: TA

DRAFTED BY: TA

CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA



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

W20-7a
(48"x48")

W20-4
(48"x48")
ONE LANE ROAD AHEAD

W20-1
(48"x48")
ROAD WORK AHEAD

NYR9-11
(48"x84")
STATE LAW
LICENSE SUSPENDED
AFTER TWO
WORK ZONE
SPEEDING
TICKETS

LEGEND

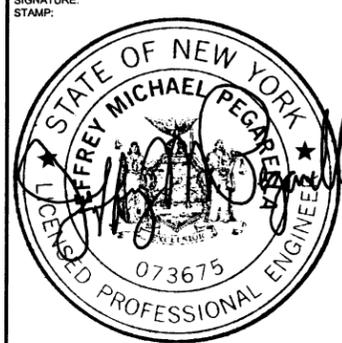
- WORK SPACE
- DRUM
- TEMPORARY SIGN
- TRAFFIC DIRECTION
- FLAGGER (WITH RADIO)
- FLAG TREE
- FLASHER
- CLOSED TOLL LANE

**INTERCHANGE 35
STAGE 1 TRAFFIC CONTROL**

N.T.S.

NOTES:

1. REVERSE THE DRUM TAPER TO CLOSE OTHER RAMP LANE A.O.B.E.
2. LOCATE VMS UNIT BEFORE THE START OF SIGNAGE A.O.B.E.
3. FOR STANDARD DRUM DETAIL SEE DWG. LS-65.

ALTERED ON: SIGNATURE: STAMP:	AFFIXED ON: <p style="text-align: center; font-size: 1.2em;">9-14-2016</p> SIGNATURE: 
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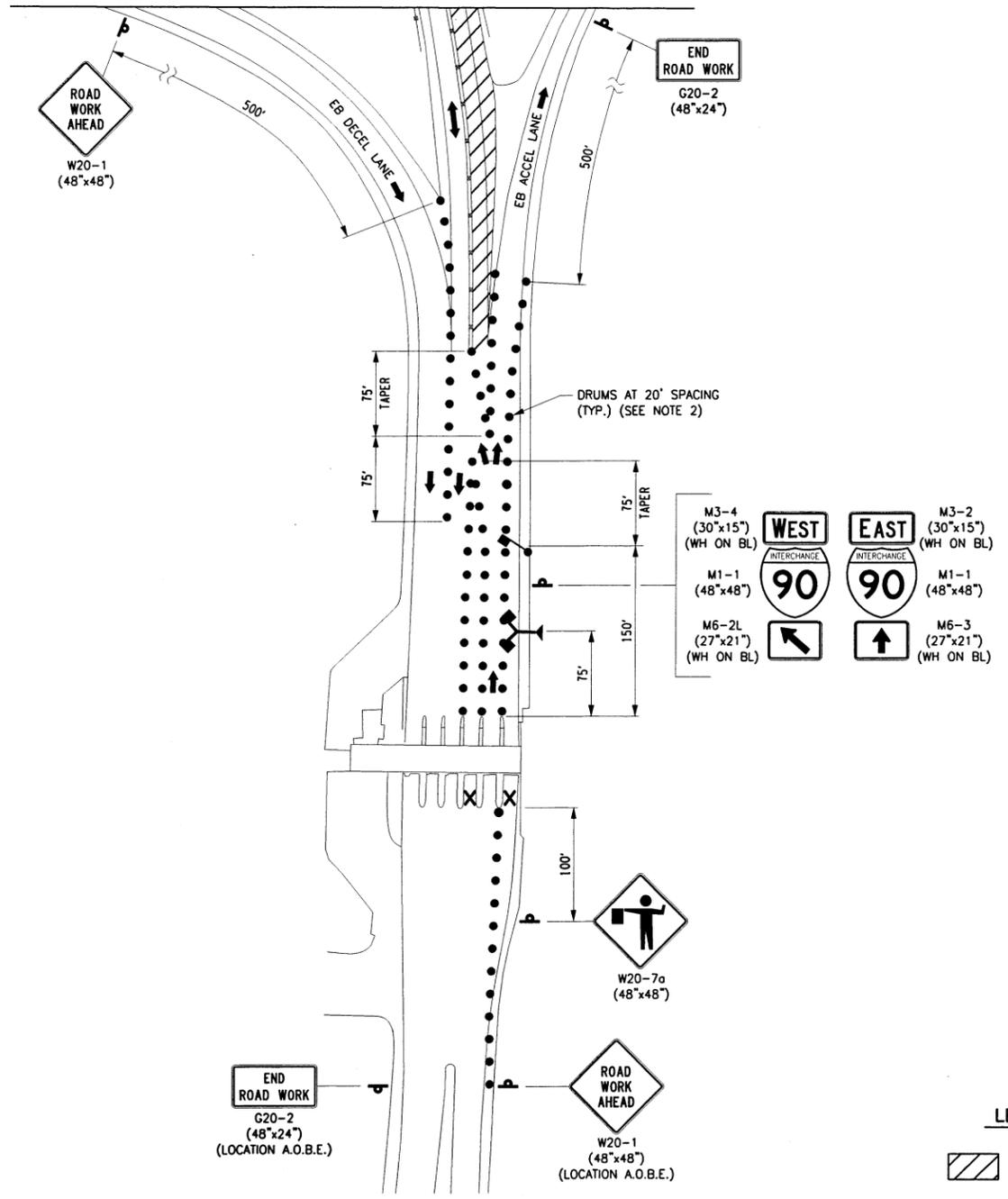
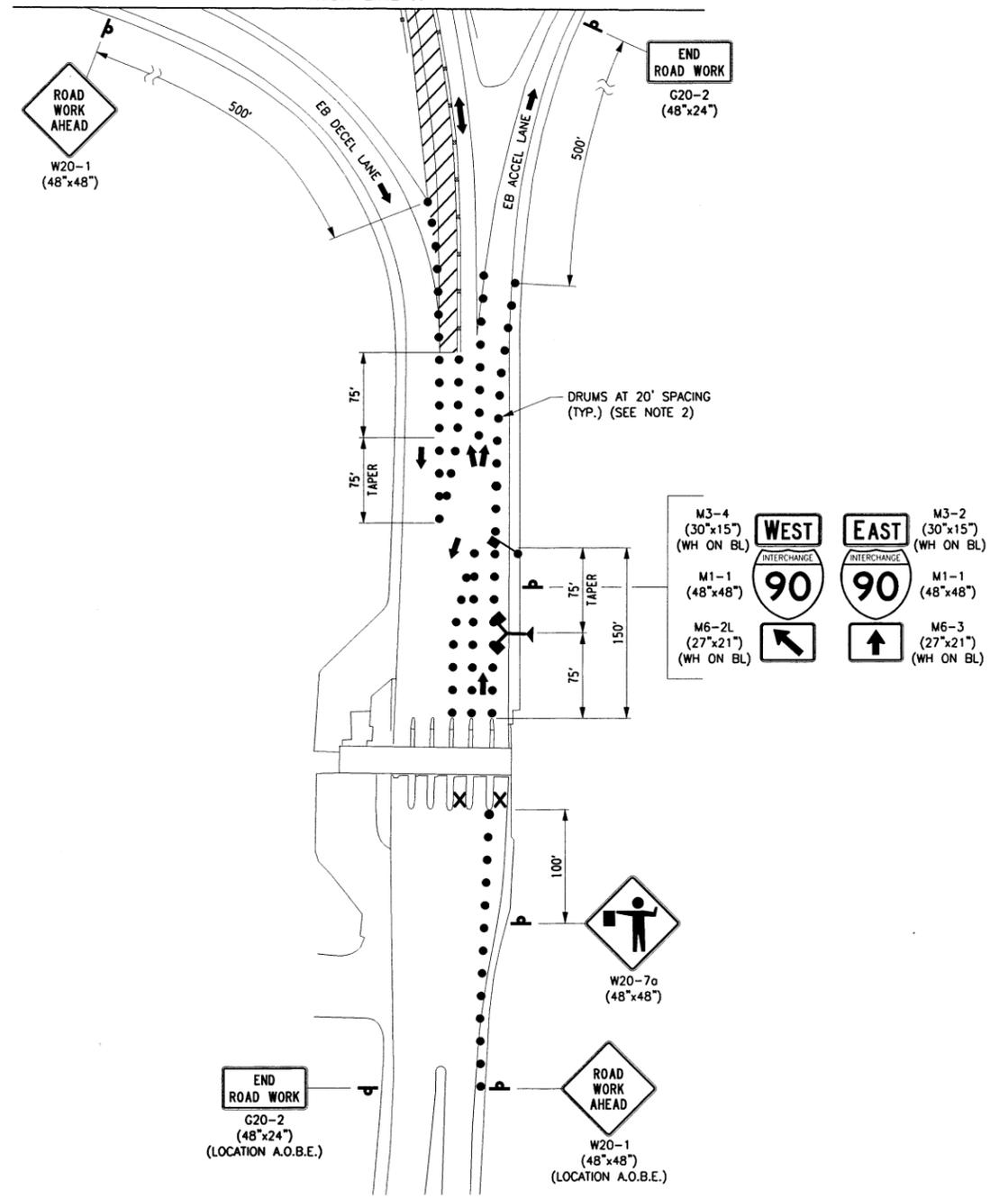
REVISIONS			
DATE	DESCRIPTION	BY	SYM.


Thruway Authority | **Canal Corporation**

TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING INTERCHANGE 35 TRAFFIC CONTROL	DRAWING NUMBER: TC35-1

MATCH LINE A

MATCH LINE A



INTERCHANGE 35
STAGE 1 TRAFFIC CONTROL

INTERCHANGE 35
STAGE 2 TRAFFIC CONTROL

N.T.S.

N.T.S.

- LEGEND**
- WORK SPACE
 - DRUM
 - TEMPORARY SIGN
 - TRAFFIC DIRECTION
 - FLAGGER (WITH RADIO)
 - FLAG TREE
 - FLASHER
 - CLOSED TOLL LANE

NOTES:

1. LOCATE VMS UNIT BEFORE THE START OF SIGNAGE A.O.B.E.
2. FOR STANDARD DRUM DETAIL SEE DWG. LS-65.

CHECKED BY: TA

DRAFTED BY: TA

CHECKED BY: TA

DESIGNED BY: TA

DESIGN SUPERVISOR: TA

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SIGNATURE:
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9-14-2016
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

Thruway Authority | **Canal Corporation**

TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING INTERCHANGE 35 TRAFFIC CONTROL	DRAWING NUMBER: TC35-2

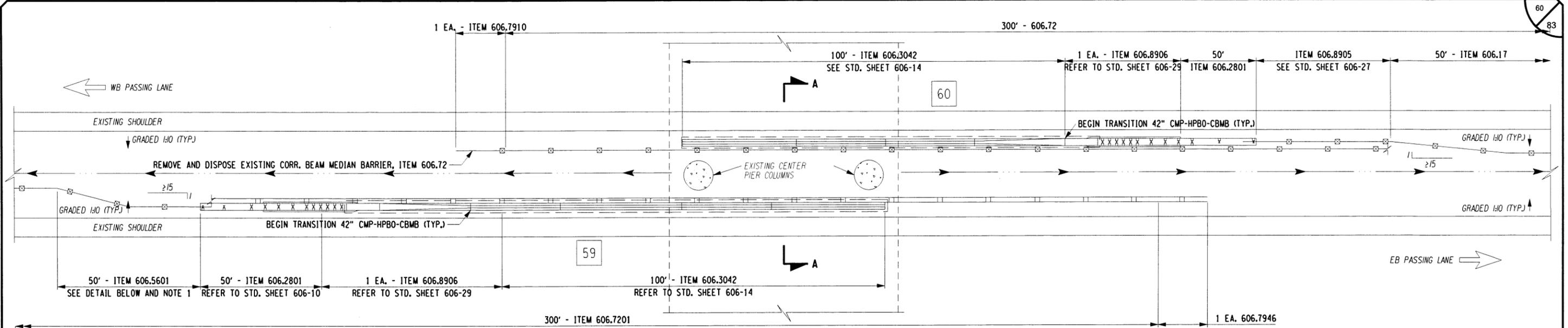
CHECKED BY: S. VELICKY

DRAFTED BY: D. HOLLNER

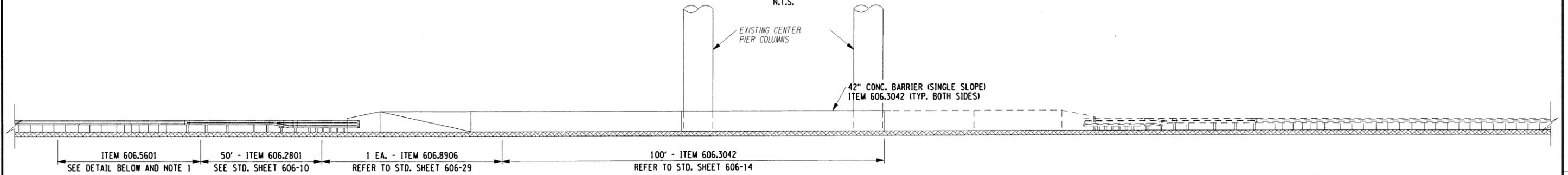
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DESIGNED BY: TA

DESIGN SUPERVISOR: TA

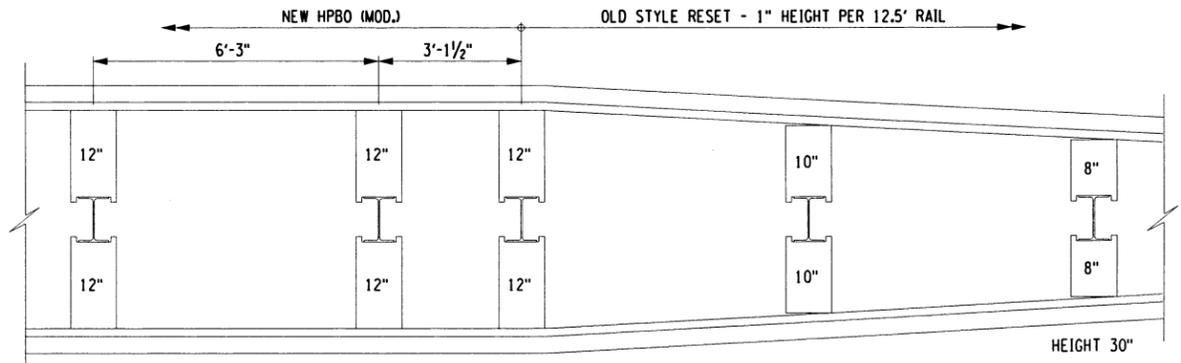


PLAN
N.T.S.

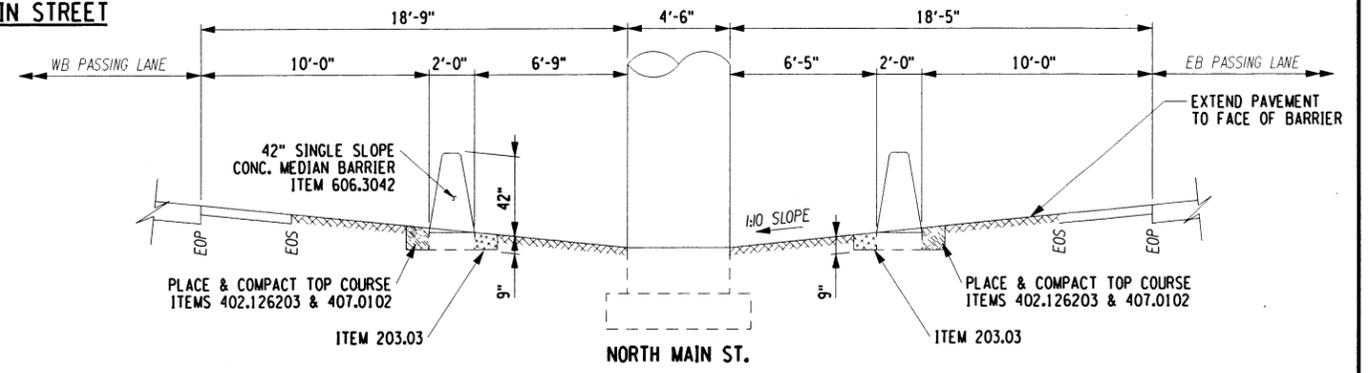


ELEVATION
N.T.S.

PROPOSED CENTER PIER PROTECTION
M.P. 262.11 - NORTH MAIN STREET
N.T.S.



DETAIL
N.T.S.



SECTION A-A
N.T.S.

ALTERED ON:

AFFIXED ON:
9-14-2016

SIGNATURE:
STAMP:

SIGNATURE:
STAMP:



ITEM	DESCRIPTION
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL
203.03	ENBANKMENT IN PLACE
402.126203	12.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION
407.0102	DILUTED TACK COAT
606.17	CORR. BEAM MEDIAN BARRIER
606.2801	HPBO (MOD.) CORR. BEAM MEDIAN BARRIER
606.3042	SINGLE SLOPE CONC. MEDIAN BARRIER (PRECAST)

ITEM	DESCRIPTION
606.5601	RESETTING HEAVY POST BLOCKED-OUT CORRUGATED BEAM MEDIAN BARRIER (NEW 12 IN BLOCKOUTS)
606.72	REMOVE & DISPOSE CORR. BEAM MEDIAN BARRIER
606.7201	REMOVE AND DISPOSE HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER
606.74	REMOVE & DISPOSE BOX BEAM MEDIAN BARRIER
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAMGUIDE RAILING AND MEDIAN BARRIER
606.7946	REMOVE AND DISPOSE ANCHORAGE UNIT FOR HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER
606.8905	TRANSITION - HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER TO WEAK POST CORR. MEDIAN BARRIER
606.8906	TRANSITION- HPBO (MOD.) CORR. BEAM MEDIAN BARRIER TO SINGLE SLOPE CONC. BARRIER
627.501408	PAVEMENT CUTTING

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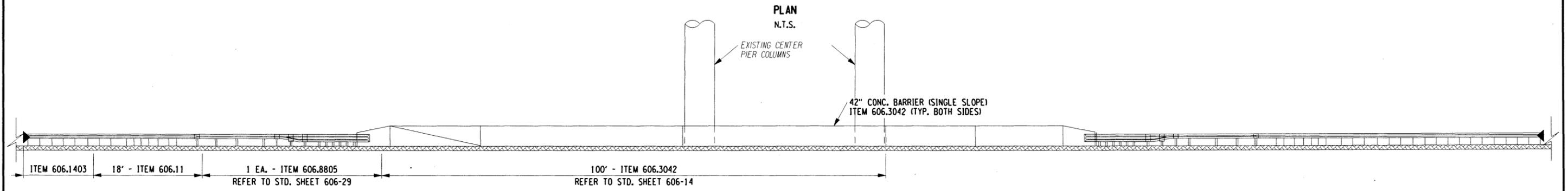
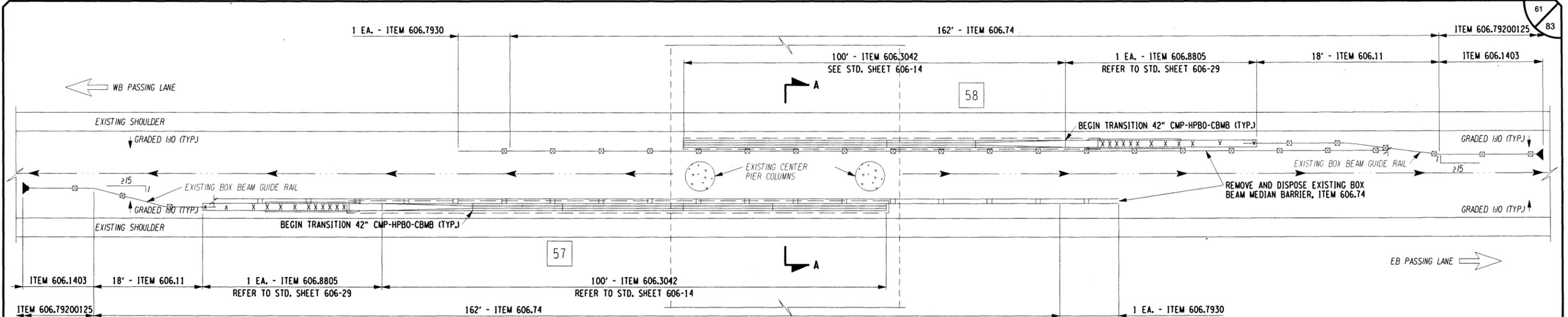
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



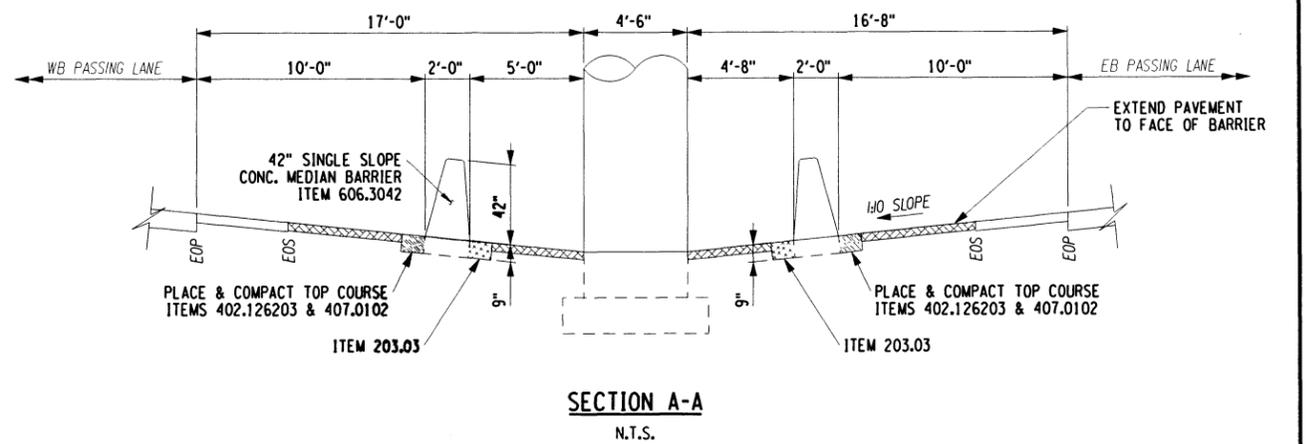
TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING CENTER PIER PROTECTION M.P. 262.11	DRAWING NUMBER: PP-1

NOTES:
1. TRANSITION FROM 8" BLOCK OUT TO 12" BLOCK OUT AS SHOWN ABOVE, TO BE PAID FOR UNDER ITEM 606.5601. TRANSITION HEIGHT FROM THE EXISTING HPBO TO THE NEW 33" HEIGHT AT A RATE OF 1" PER 12.5' SECTION TO BE PAID FOR UNDER ITEM 66.93010125.

CHECKED BY: S. VELICKY
 DRAFTED BY: D. HOLLNER
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA



ELEVATION
PROPOSED CENTER PIER PROTECTION
M.P. 266 - GEE ROAD
 N.T.S.



SECTION A-A
 N.T.S.

NOTES:
 1. SEE STANDARD SHEET 606.25 FOR TRANSITION DETAILS.

ALTERED ON:	AFFIXED ON: 9-14-2016
SIGNATURE: STAMP:	SIGNATURE: STAMP:

ITEM	DESCRIPTION	ITEM	DESCRIPTION
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	606.3042	SINGLE SLOPE CONC. MEDIAN BARRIER (PRECAST)
203.03	ENBANKMENT IN PLACE	606.72	REMOVE & DISPOSE CORR. BEAM MEDIAN BARRIER
402.126203	12.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION	606.74	REMOVE & DISPOSE BOX BEAM MEDIAN BARRIER
407.0102	DILUTED TACK COAT	606.79200125	REMOVE AND DISPOSE END TERMINAL FORBOX BEAM GUIDE RAIL AND MEDIAN BARRIER
606.11	BOX BEAM MEDIAN BARRIER	606.7930	REMOVING AND DISPOSING BOX BEAM MEDIAN BARRIER END ASSEMBLY- TYPE A
606.1403	BOX BEAM MEDIAN BARRIER END ASSEMBLY TYPE C	606.8805	TRANSITION BETWEEN BOX BEAM MEDIAN BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER
606.17	CORR. BEAM MEDIAN BARRIER	627.501408	PAVEMENT CUTTING
606.2801	HPBO (MOD.) CORR. BEAM MEDIAN BARRIER		

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 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING CENTER PIER PROTECTION M.P. 266	DRAWING NUMBER: PP-2

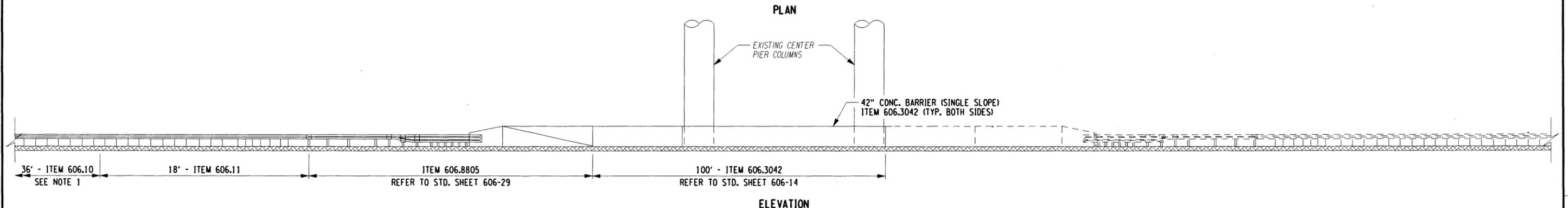
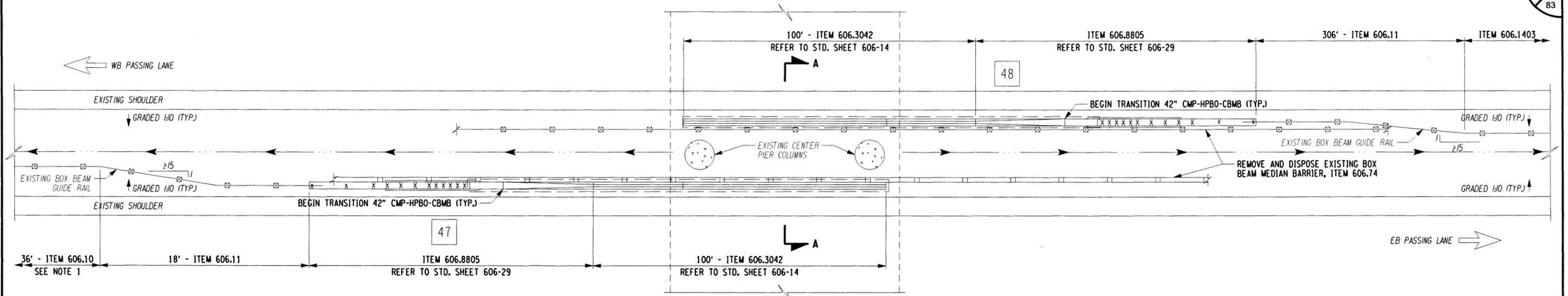
CHECKED BY: S. VELICKY

DRAFTED BY: D. HOLLNER

CHECKED BY: TA

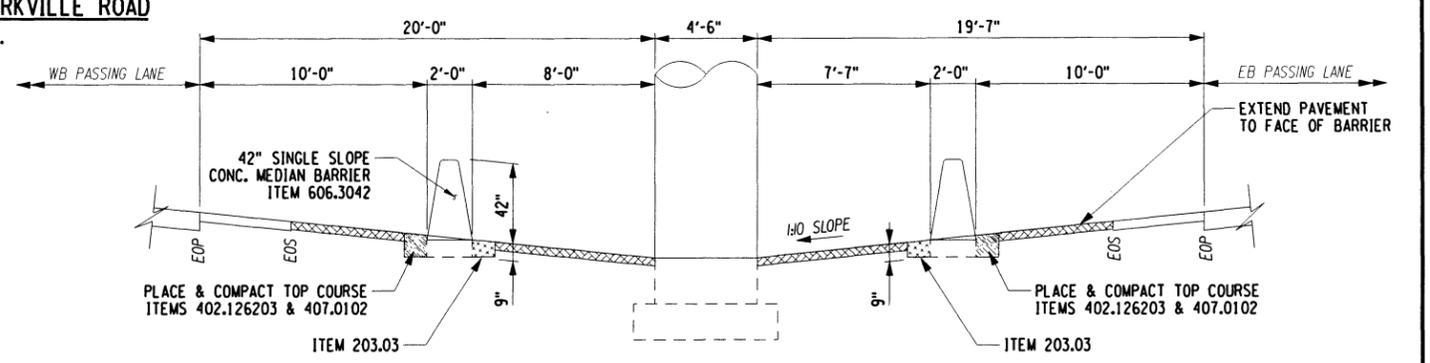
DESIGNED BY: TA

DESIGN SUPERVISOR: TA



**PROPOSED CENTER PIER PROTECTION
M.P. 271.84 - KIRKVILLE ROAD**

N.T.S.



SECTION A-A

N.T.S.

ALTERED ON:

AFFIXED ON: 9-14-2016

SIGNATURE: STAMP:

SIGNATURE: STAMP:



ITEM	DESCRIPTION
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL
203.03	ENBANKMENT IN PLACE
402.126203	12.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION
407.0102	DILUTED TACK COAT
606.10	BOX BEAM GUIDE RAILING
606.11	BOX BEAM MEDIAN BARRIER
606.1403	BOX BEAM MEDIAN BARRIER END ASSEMBLY TYPE C

ITEM	DESCRIPTION
606.17	CORR. BEAM MEDIAN BARRIER
606.2801	HPBO (MOD.) CORR. BEAM MEDIAN BARRIER
606.3042	SINGLE SLOPE CONC. MEDIAN BARRIER (PRECAST)
606.72	REMOVE & DISPOSE CORR. BEAM MEDIAN BARRIER
606.74	REMOVE & DISPOSE BOX BEAM MEDIAN BARRIER
606.8805	TRANSITION BETWEEN BOX BEAM MEDIAN BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER
627.501408	PAVEMENT CUTTING

NOTES:

- SEE STANDARD SHEET 606.25 FOR TRANSITION DETAILS.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 3/22/16
TITLE OF DRAWING CENTER PIER PROTECTION M.P. 271.84	DRAWING NUMBER: PP-3

**TABLE NY1-A
BARRIER VEHICLE USE REQUIREMENTS
(LONG TERM, INTERMEDIATE TERM & SHORT TERM STATIONARY CLOSURES)**

CLOSURE TYPE	EXPOSURE CONDITION ¹	USE REQUIREMENTS 4, 5			
		FREEWAY	NON-FREEWAY (PRECONSTRUCTION POSTED SPEED LIMIT)		
			≥ 45 MPH	35-40 MPH	≤ 30 MPH
LANE CLOSURE	WORKERS ON FOOT OR IN VEHICLES EXPOSED TO TRAFFIC	REQUIRED ³	REQUIRED ³	REQUIRED ³	OPTIONAL ²
	NON-TRAVERSABLE HAZARD (IE. EQUIPMENT, MATERIALS, EXCAVATION) ONLY NO WORKERS EXPOSED	REQUIRED ³	REQUIRED ³	OPTIONAL ²	OPTIONAL ²
SHOULDER CLOSURE	WORKERS ON FOOT OR IN VEHICLES EXPOSED TO TRAFFIC	REQUIRED ³	REQUIRED ³	OPTIONAL ²	OPTIONAL ²
	NON-TRAVERSABLE HAZARD (IE. EQUIPMENT, MATERIALS, EXCAVATION) ONLY NO WORKERS EXPOSED	REQUIRED ³	OPTIONAL ²	OPTIONAL ²	OPTIONAL ²

- THE EXPOSURE CONDITIONS DESCRIBED IN TABLE NY1-A ASSUMES THERE IS NO POSITIVE PROTECTION (TEMPORARY TRAFFIC BARRIER) PRESENT. WHERE WORKERS OR HAZARDS ARE PROTECTED BY A TEMPORARY TRAFFIC BARRIER, BARRIER VEHICLES ARE NOT REQUIRED.
- WHERE THE REQUIREMENT IS "OPTIONAL", EITHER A BARRIER VEHICLE OR THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE 6C-2) SHALL BE PROVIDED.
- REQUIREMENTS SHALL INCLUDE PROVIDING A SEPARATE BARRIER VEHICLE FOR EACH CLOSED LANE AND EACH CLOSED SHOULDER 8 FEET OR GREATER IN WIDTH. IF THE WORK SPACE MOVES WITHIN THE STATIONARY CLOSURE, THE BARRIER VEHICLE SHALL BE REPOSITIONED ACCORDINGLY. BARRIER VEHICLES PROTECTING NON-TRAVERSABLE HAZARDS SHALL REMAIN IN PLACE DURING BOTH WORKING AND NON-WORKING HOURS UNTIL THE HAZARD NO LONGER EXISTS. EXCEPTIONS TO THESE REQUIREMENTS MAY BE MADE, AS APPROVED BY THE ENGINEER, WHERE BARRIER VEHICLE PLACEMENT WOULD BE INEFFECTIVE OR WOULD INTERFERE WITH THE SAFE OPERATION OF TRAFFIC.
- BARRIER VEHICLES ARE NOT REQUIRED FOR MILLING AND/OR PAVING OPERATIONS, BUT THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE 6C-2) SHALL BE PROVIDED.
- BARRIER VEHICLES ARE NOT REQUIRED FOR FLAGGING OPERATIONS.

**TABLE NY1-B
SHADOW VEHICLE USE REQUIREMENTS
(MOBILE CLOSURES¹)**

CLOSURE TYPE	EXPOSURE CONDITION	USE REQUIREMENTS			
		FREEWAY	NON-FREEWAY (PRECONSTRUCTION POSTED SPEED LIMIT)		
			≥ 45 MPH	35-40 MPH	≤ 30 MPH
LANE CLOSURE	WHEN ANY WORKERS, VEHICLES, OR OTHER HAZARD IS EXPOSED TO TRAFFIC	REQUIRED ^{2,4}	REQUIRED ^{2,4}	REQUIRED ^{2,4}	REQUIRED ^{3,4}
	WHEN ANY WORKERS, VEHICLES, OR OTHER HAZARD IS EXPOSED TO TRAFFIC	REQUIRED ^{2,4}	REQUIRED ^{2,4}	REQUIRED ^{3,4}	REQUIRED ^{3,4}

- A MOBILE CLOSURE SHALL BE USED FOR ANY WORK ACTIVITY THAT MOVES CONTINUOUSLY OR INTERMITTENTLY ALONG THE TRAVELED WAY OR SHOULDER SLOWER THAN THE PREVAILING SPEED OF TRAFFIC. CHANNELIZING DEVICES ARE NOT USED FOR MOBILE CLOSURES.
- SHADOW VEHICLES SHALL BE EQUIPPED WITH AN APPROVED REAR MOUNTED ATTENUATOR (TRUCK-MOUNTED OR TRAILER MOUNTED) FOR THE FOLLOWING MOBILE CLOSURES: LANE CLOSURES ON FREEWAYS, LANE CLOSURES ON NON-FREEWAY ROADWAYS HAVING A PRE-CONSTRUCTION POSTED SPEED LIMIT OF 35 MPH OR MORE, SHOULDER CLOSURES ON FREEWAYS, AND SHOULDER CLOSURES ON NON-FREEWAY ROADWAYS HAVING A PRE-CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE.
- FOR MOBILE LANE CLOSURES ON NON-FREEWAY ROADWAYS HAVING A PRE-CONSTRUCTION POSTED SPEED LIMIT OF 30 MPH OR LESS AND MOBILE SHOULDER CLOSURES ON NON-FREEWAY ROADWAYS HAVING A PRE-CONSTRUCTION SPEED LIMIT OF 40 MPH OR LESS, SHADOW VEHICLES ARE NOT REQUIRED TO BE EQUIPPED WITH A REAR MOUNTED ATTENUATOR.
- A SHADOW VEHICLE IS USED TO PROTECT EXPOSED WORKERS (ON FOOT OR IN A VEHICLE) AND SHALL BE REQUIRED FOR ALL MOBILE CLOSURES. SHADOW VEHICLE REQUIREMENTS SHALL INCLUDE PROVIDING A SEPARATE SHADOW VEHICLE FOR EACH CLOSED LANE AND EACH CLOSED SHOULDER 8 FEET OR GREATER IN WIDTH. ADDITIONAL SHADOW VEHICLES MAY BE REQUIRED TO PROMOTE THE SAFE OPERATION OF TRAFFIC AND THE INCREASED PROTECTION OF EXPOSED WORKERS, AS DIRECTED BY THE ENGINEER.

**TABLE NY2-A
PLACEMENT DISTANCE FOR BARRIER VEHICLES**

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	PLACEMENT DISTANCE (FT)			
	BARRIER VEHICLES			
	18000 LBS.		24000 LBS.	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
> 55	100 FT	200 FT	100 FT	200 FT
45 - 55	100 FT	200 FT	80 FT	160 FT
< 45	80 FT	160 FT	50 FT	100 FT

AS DEFINED IN NYSDOT STANDARD SPECIFICATION 619:
BARRIER VEHICLE: VEHICLE USED FOR STATIONARY SHOULDER CLOSURES, LANE CLOSURES AND OTHER STATIONARY WORK ZONES.
 MINIMUM DISTANCE SHOWN REFLECTS THE ACTUAL ROLL AHEAD DISTANCE FROM MANUFACTURER.

**TABLE NY2-B
PLACEMENT DISTANCE FOR SHADOW VEHICLES**

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	PLACEMENT DISTANCE (FT)			
	SHADOW VEHICLES			
	18000 LBS.		24000 LBS.	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
> 55	230 FT	325 FT	180 FT	280 FT
45 - 55	180 FT	280 FT	150 FT	250 FT
< 45	100 FT	200 FT	100 FT	200 FT

AS DEFINED IN NYSDOT STANDARD SPECIFICATION 619:
SHADOW VEHICLE: VEHICLE USED FOR MOBILE OR SHORT DURATION WORK OPERATIONS.
 MINIMUM DISTANCE SHOWN REFLECTS THE ACTUAL ROLL AHEAD DISTANCE FROM MANUFACTURER.

**TABLE NY6H-3
ADVANCE WARNING SIGN SPACING**

ROAD TYPE	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
	A (FT)	B (FT)	C (FT)	XX	YY
URBAN (130 MPH*)	100	100	100	AHEAD	AHEAD
URBAN (35-40 MPH*)	200	200	200	AHEAD	AHEAD
URBAN (w/45 MPH*)	350	350	350	1000 FT	AHEAD
RURAL	500	500	500	1500 FT	1000 FT
EXPRESSWAY/FREEWAY	1,000	1,500	2,640	1 MILE	1/2 MILE

* PRECONSTRUCTION POSTED SPEED LIMIT

URBAN: ANY AREA EXHIBITING AT LEAST TWO OF THE FOLLOWING CHARACTERISTICS: SIDEWALKS, BICYCLE USAGE, CURBING, CLOSED DRAINAGE SYSTEMS, DRIVEWAY DENSITIES GREATER THAN 24 DRIVEWAYS PER MILE, MINOR COMMERCIAL DRIVEWAY DENSITIES OF 10 DRIVEWAYS PER MILE OR GREATER, MAJOR COMMERCIAL DRIVEWAYS, NUMEROUS RIGHT-OF-WAY CONSTRAINTS, HIGH DENSITY OF CROSS STREETS, OPERATING SPEEDS OF 45 MPH OR LESS.

RURAL: ANY AREA EXHIBITING NO MORE THAN ONE OF ABOVE CHARACTERISTICS.

EXPRESSWAY: DIVIDED HIGHWAYS FOR THROUGH TRAFFIC WITH FULL OR PARTIAL CONTROL OF ACCESS AND GENERALLY WITH GRADE SEPARATIONS AT MAJOR CROSSROADS.

FREEWAY/INTERSTATE: LOCAL OR INTERREGIONAL HIGH-SPEED, DIVIDED, HIGH-VOLUME FACILITIES WITH FULL OR PARTIAL CONTROL OF ACCESS.

THRUWAY WORK DURATION DEFINITIONS

LONG-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN 3 CONSECUTIVE DAYS.

INTERMEDIATE-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.

SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION WITHIN A SINGLE DAYLIGHT PERIOD.

SHORT DURATION IS DAYTIME WORK THAT OCCUPIES A LOCATION UP TO 2 HOURS, OR NIGHTTIME WORK LASTING UP TO 1 HOUR.

MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.

**TABLE 619-4
FLARE RATES FOR POSITIVE BARRIER**

TYPE OF POSITIVE BARRIER	PRECONSTRUCTION POSTED SPEED LIMIT				
	30 MPH	40 MPH	50 MPH	55 MPH	65 MPH
TEMPORARY CONCRETE BARRIER	8:1	11:1	14:1	16:1	20:1
BOX BEAM OR HEAVY POST CORRUGATED BEAM	7:1	9:1	11:1	12:1	15:1

**TABLE 6C-2
LONGITUDINAL BUFFER SPACE**

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	DISTANCE
25	155 FT
30	200 FT
35	250 FT
40	305 FT
45	360 FT
50	425 FT
55	495 FT
60	570 FT
65	645 FT

TABLE 6H-4 FORMULAS FOR DETERMINING TAPER LENGTHS

SPEED LIMIT (S) (MPH)	TAPER LENGTH (L) (FEET)	L = TAPER LENGTH (FEET) W = WIDTH OF OFFSET (FEET) S = PRE-CONSTRUCTION POSTED SPEED LIMIT (MPH)
40 MPH OR LESS	L = WS ² /60	
45 MPH OR MORE	L = WS	

STANDARD TAPER LENGTHS

LATERAL SHIFT OF TRAFFIC FLOW PATH	WORK ZONE PRE-CONSTRUCTION POSTED SPEED LIMIT									
	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	
4 FT	40 FT	60 FT	80 FT	105 FT	180 FT	200 FT	220 FT	240 FT	260 FT	
5 FT	50 FT	75 FT	100 FT	135 FT	225 FT	250 FT	275 FT	300 FT	325 FT	
6 FT	65 FT	90 FT	125 FT	160 FT	270 FT	300 FT	330 FT	360 FT	390 FT	
7 FT	75 FT	105 FT	145 FT	185 FT	315 FT	350 FT	385 FT	420 FT	455 FT	
8 FT	85 FT	120 FT	165 FT	215 FT	360 FT	400 FT	440 FT	480 FT	520 FT	
9 FT	95 FT	135 FT	185 FT	240 FT	405 FT	450 FT	495 FT	540 FT	585 FT	
10 FT	105 FT	150 FT	205 FT	265 FT	450 FT	500 FT	550 FT	600 FT	650 FT	
11 FT	115 FT	165 FT	225 FT	295 FT	495 FT	550 FT	605 FT	660 FT	715 FT	
12 FT	125 FT	180 FT	245 FT	320 FT	540 FT	600 FT	660 FT	720 FT	780 FT	

WORK ZONE TRAFFIC CONTROL LEGEND

SYMBOL	DESCRIPTION
	ARROW PANEL
	ARROW PANEL, CAUTION MODE
	ARROW PANEL SUPPORT OR TRAILER
	CHANGEABLE MESSAGE SIGN (PVMS)
	CHANNELIZING DEVICE
	CRASH CUSHION/TEMPORARY IMPACT ATTENUATOR
	DIRECTION OF TEMPORARY TRAFFIC DETOUR
	DIRECTION OF TRAFFIC
	FLAGGER
	FLAG TREE
	LUMINAIRE
	PAVEMENT MARKINGS THAT SHALL BE REMOVED FOR A LONG TERM PROJECT
	SIGN, TEMPORARY
	TEMPORARY BARRIER
	TEMPORARY BARRIER WITH WARNING LIGHTS
	TRAFFIC OR PEDESTRIAN SIGNAL
	TYPE III BARRICADE
	WARNING LIGHTS
	WORK SPACE
	WORK VEHICLE
	WORK VEHICLE W/ TRUCK MOUNTED ATTENUATOR
	TEMP/INTERIM PAVEMENT MARKING

**TABLE 6C-3
TAPER LENGTH CRITERIA
FOR WORK ZONES**

TYPE OF TAPER	TAPER LENGTH (L)
MERGING TAPER	L
SHIFTING TAPER	L/2
SHOULDER TAPER	L/3
ONE-LANE, TWO-WAY TRAFFIC TAPER	100 FT MAXIMUM
DOWNSTREAM TAPER	100 FT PER LANE

REVISIONS

DATE	DESCRIPTION	BY	SYM.

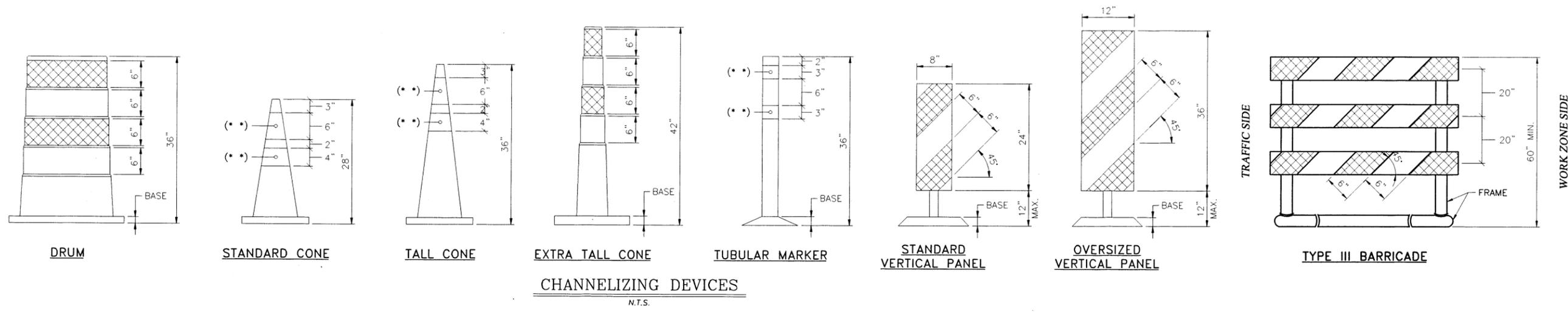


NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY
IMPROVEMENTS & MISCELLANEOUS WORK
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3
TITLE OF DRAWING
**WORK ZONE
TRAFFIC CONTROL
TABLES AND LEGEND**

CONTRACT NUMBER:
TAS 16-31
DATE:
03/16
DRAWING NUMBER:
TL

GWZN.dgn
 CHECKED BY: TA
 DRAFTED BY: CAD
 CHECKED BY: J. SHINSKI
 DESIGNED BY: R. COURNOYER
 DESIGN SUPERVISOR: T. MAHAR



GENERAL NOTES:

1. THE ENGINEER SHALL APPROVE THE CONDITION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES PRIOR TO USE. THE ENGINEER SHALL ALSO REVIEW THE PROPOSED WORK ZONE TRAFFIC CONTROL PLAN FOR PRECISE DEVICE POSITIONING PRIOR TO INSTALLATION.
2. ALL SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ORANGE SIGNS ON RIGID PANELS SHALL BE FLUORESCENT-ORANGE ASTM TYPE IX (CLASS E) RETROREFLECTIVE SHEETING. ALL OTHER COLORS OF CONSTRUCTION SIGN FACES ON RIGID PANELS SHALL BE ASTM TYPE III (CLASS B) REFLECTIVE SHEETING.
3. EXISTING SPEED LIMIT SIGNS WITHIN THE WORK ZONE SHALL BE COMPLETELY COVERED TO AVOID CONFLICT WITH THE WORK ZONE SPEED LIMIT SIGNS.
4. WHEN A SPEED DISPLAY TRAILER IS DEPLOYED, IT MAY BE USED AS A SUBSTITUTE FOR THE SECOND "WORK ZONE/SPEED LIMIT 45" SIGN (G20-50P/R2-1). THE UNIT SHALL BE PROVIDED IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. WHEN NOT IN OPERATION, THE SPEED DISPLAY TRAILER SHALL BE REMOVED FROM THE WORK ZONE.
5. CHANNELIZING DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE MUTCD AND SECTION 729 OF THE STANDARD SPECIFICATIONS WITH THE EXCEPTION THAT SHEETING REQUIREMENTS SHALL BE AS SPECIFIED ON THIS DRAWING. CHANNELIZING DEVICE TYPE AND SPACING REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 619 OF THE STANDARD SPECIFICATIONS.
6. ARROW PANELS SHALL CONFORM TO SECTION 729-15 OF THE STANDARD SPECIFICATIONS. THE ADVANCE WARNING ARROW DISPLAY SHALL BE A FULL FLASHING ARROW ONLY. CHEVRONS AND SEQUENTIAL ARROW DISPLAYS SHALL NOT BE PERMITTED. THE CAUTION MODE DISPLAY SHALL BE FOUR FLASHING CORNERS. FLASHING BAR DISPLAYS SHALL NOT BE PERMITTED.
7. THERE SHALL BE NO WORK ACTIVITY, EQUIPMENT, VEHICLES AND/OR MATERIALS LOCATED WITHIN THE BUFFER SPACE. THE SAME SHALL ALSO APPLY TO THE SPACE BETWEEN THE BARRIER VEHICLE(S) AND THE ACTIVE WORK AREA (BARRIER VEHICLE PLACEMENT DISTANCE).

**CHANNELIZING DEVICE
LEGEND**

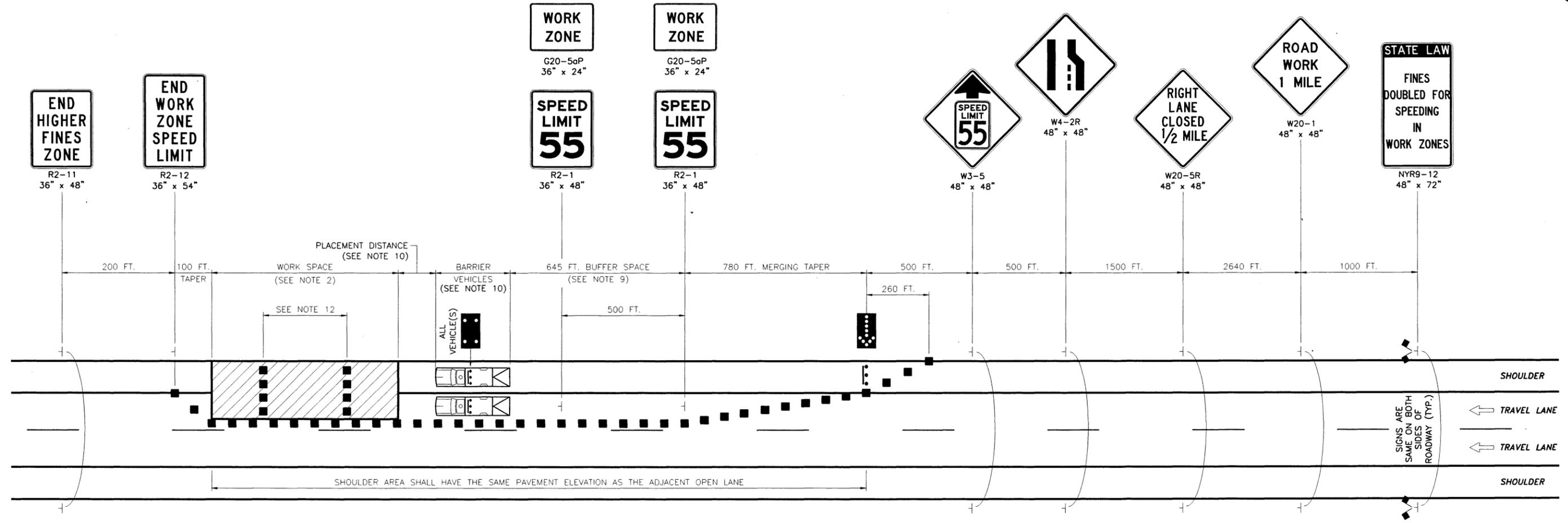
	WHITE RETROREFLECTORIZED SHEETING, ASTM TYPE IX (CLASS E)
	ORANGE RETROREFLECTORIZED SHEETING, ASTM TYPE IX (CLASS E)
	NON-REFLECTORIZED ORANGE
(* *)	WHITE REFLECTIVE SHEETING, ASTM TYPE III (CLASS B) OR ASTM TYPE V (CLASS C)

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING 200 SOUTHERN BLVD., ALBANY, N.Y. 12209	TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3 TITLE OF DRAWING GENERAL WZTC NOTES AND CHANNELIZING DEVICES	CONTRACT NUMBER: TAS 16-31 DATE: 02/13 DRAWING NUMBER: GWZN
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SLC-65.dgn
 CHECKED BY: TA
 DRAFTED BY: CAD
 CHECKED BY: J. SHINSKI
 DESIGNED BY: R. COURNOYER
 DESIGN SUPERVISOR: T. MAHAR



WORK ZONE TRAFFIC CONTROL PLAN
N.T.S.

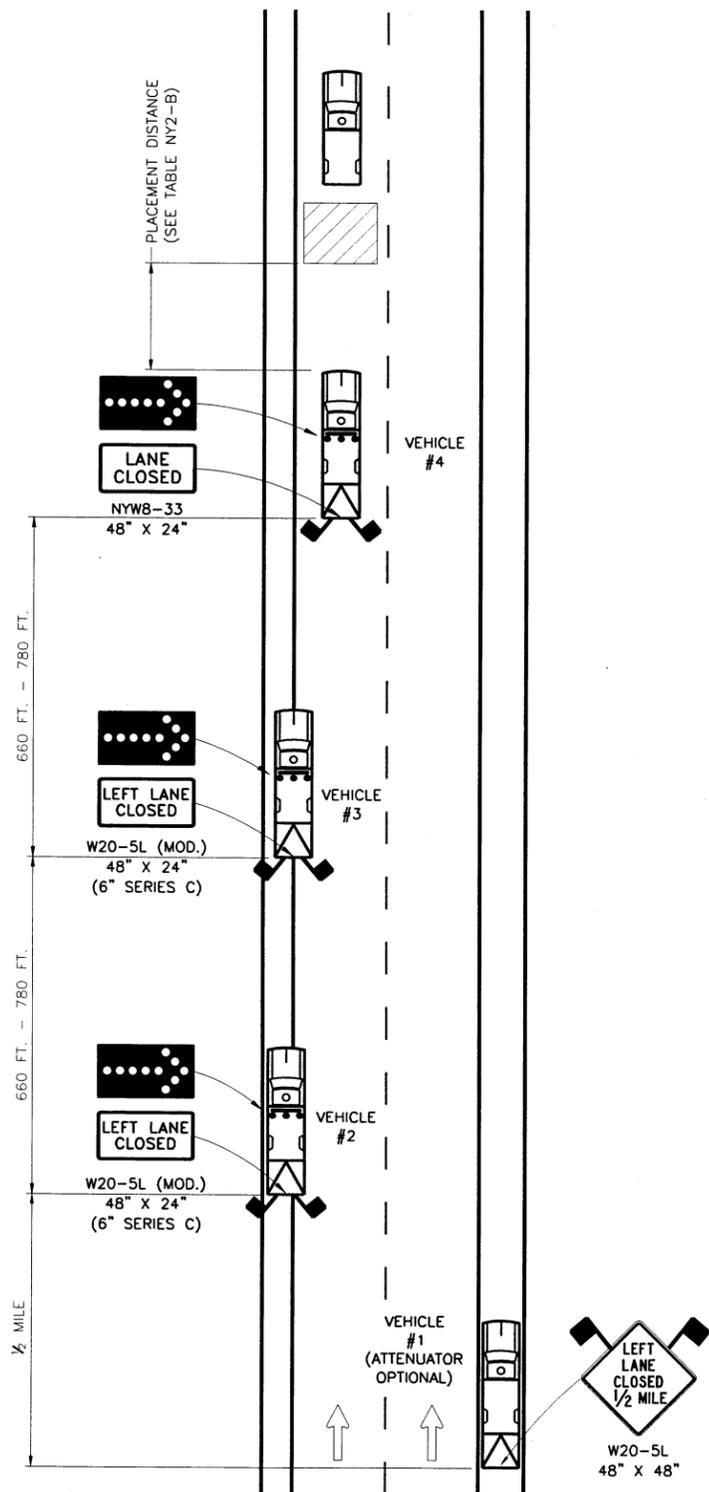
NOTES:

- THIS PLAN APPLIES TO TWO-, THREE-, FOUR-, AND FIVE-LANE SECTIONS.
- THE MAXIMUM LENGTH OF ANY CONTINUOUS WORK SPACE SHALL NOT EXCEED 3 MILES (2 MILES FOR MILLING AND PAVING OPERATIONS). ALL TRAFFIC SHALL BE RE-ESTABLISHED TO ITS NORMAL LANE CONFIGURATION FOR A MINIMUM 2 MILES PRIOR TO A SUCCESSIVE LANE CLOSURE. (THE SEPARATION BETWEEN SUCCESSIVE LANE CLOSURES IS MEASURED FROM THE LAST SIGN OF THE FIRST LANE CLOSURE TO THE BEGINNING OF THE MERGING TAPER OF THE SECOND LANE CLOSURE).
- THE PLAN SHOWN IS FOR A STATIONARY RIGHT LANE CLOSURE. FOR A STATIONARY LEFT LANE CLOSURE, SUBSTITUTE "LEFT LANE CLOSED 1/2 MILE" SIGN (W20-5L) FOR THE "RIGHT LANE CLOSED 1/2 MILE" SIGN (W20-5R) AND LEFT LANE ENDS SYMBOL SIGN (W4-2L) FOR THE RIGHT LANE ENDS SYMBOL SIGN (W4-2R). THE STATIONARY LEFT LANE CLOSURE PLAN SHALL BE THE MIRROR IMAGE OF THE PLAN SHOWN WITH THE EXCEPTION THAT THE "WORK ZONE/SPEED LIMIT 55" SIGNS (G20-50P/R2-1) SHALL BE INSTALLED ON THE RIGHT SIDE OF THE ROADWAY.
- FOR A STATIONARY LANE CLOSURE IN AN AREA WHERE THE USABLE LEFT SHOULDER/MEDIAN WIDTH IS LESS THAN 6 FEET, LEFT SIDE SIGNS SHALL BE MOUNTED ON THE MEDIAN BARRIER. IF THE TOTAL MEDIAN WIDTH IS LESS THAN 6 FEET, LEFT SIDE SIGNS SHALL NOT BE REQUIRED.
- ON ROADWAY SECTIONS WHERE THE USABLE SHOULDER IS LESS THAN 8 FEET, A MOBILE LANE CLOSURE PLAN SHALL BE USED TO INSTALL AND REMOVE TEMPORARY TRAFFIC CONTROL DEVICES. THE SAME SHALL ALSO APPLY WHEN COVERING AND UNCOVERING PREVIOUSLY INSTALLED SIGNS.
- WHEN TRAFFIC IS REDUCED TO A SINGLE LANE, THE "WORK ZONE/SPEED LIMIT 55" SIGNS (G20-50P/R2-1) SHALL BE INSTALLED ON THE RIGHT SIDE OF THE ROADWAY ONLY. IF MULTIPLE LANES ARE OPEN TO TRAFFIC, THE SIGNS SHALL BE INSTALLED ON BOTH SIDES OF THE ROADWAY.
- WHEN THE DISTANCE BETWEEN THE SECOND "WORK ZONE/SPEED LIMIT 55" SIGN (G20-50P/R2-1) AND THE END OF THE WORK SPACE EXCEEDS 1/2 MILE, ADDITIONAL "WORK ZONE/SPEED LIMIT 55" SIGN(S) (G20-50P/R2-1) SHALL BE INSTALLED ON THE RIGHT SIDE OF THE OPEN TRAVEL LANE, OR BOTH SIDES OF MULTIPLE OPEN TRAVEL LANES, TO MAINTAIN A MAXIMUM SPACING OF 1/2 MILE.
- IN ADDITION TO THE SIGNING SHOWN, "ROAD WORK AHEAD" (W20-1) AND "WORK ZONE/SPEED LIMIT 55" (G20-50P/R2-1) SIGNS SHALL BE PLACED ALONG ANY ENTRANCE RAMP THAT TERMINATES WITHIN THE WORK ZONE TRAFFIC CONTROL LIMITS. THE LOCATION OF THESE SIGNS SHALL BE DETERMINED BY THE ENGINEER.
- THE LENGTH OF THE BUFFER SPACE SHALL BE EXTENDED, AS ORDERED BY THE ENGINEER, TO ENSURE ADEQUATE SIGHT DISTANCE FOR VEHICLES APPROACHING THE LANE CLOSURE TAPER. IN CASES WHERE RESTRICTIVE FEATURES ARE PRESENT, A REDUCTION IN THE BUFFER SPACE LENGTH MAY BE PERMITTED WITH THE APPROVAL OF THE ENGINEER.
- BARRIER VEHICLES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 OF THE STANDARD SPECIFICATIONS. FOR BARRIER VEHICLE USE AND PLACEMENT REQUIREMENTS, SEE TABLES NY1-A AND NY2-A ON THE "WORK ZONE TRAFFIC CONTROL TABLES AND LEGEND" DRAWING.
- EXISTING PAVEMENT MARKINGS SHALL BE MAINTAINED BY THE CONTRACTOR WITHIN THE WORK ZONE TRAFFIC CONTROL LIMITS.
- IN LONG WORK SPACES (1500 FEET AND GREATER), TWO DRUMS, TWO TALL CONES, OR TWO OVERSIZED VERTICAL PANELS SHALL BE PLACED TRANSVERSELY ACROSS EACH CLOSED LANE (AND SHOULDER IF WIDTH IS 8 FEET OR GREATER) AT MAXIMUM INTERVALS OF 800 FEET. IN ADDITION, TWO DRUMS, TWO TALL CONES, OR TWO OVERSIZED VERTICAL PANELS SHALL BE SIMILARLY PLACED IN ADVANCE OF ANY TRANSVERSE DROP-OFF OF 1 1/2 INCHES OR GREATER.

REVISIONS			
DATE	DESCRIPTION	BY	SYM

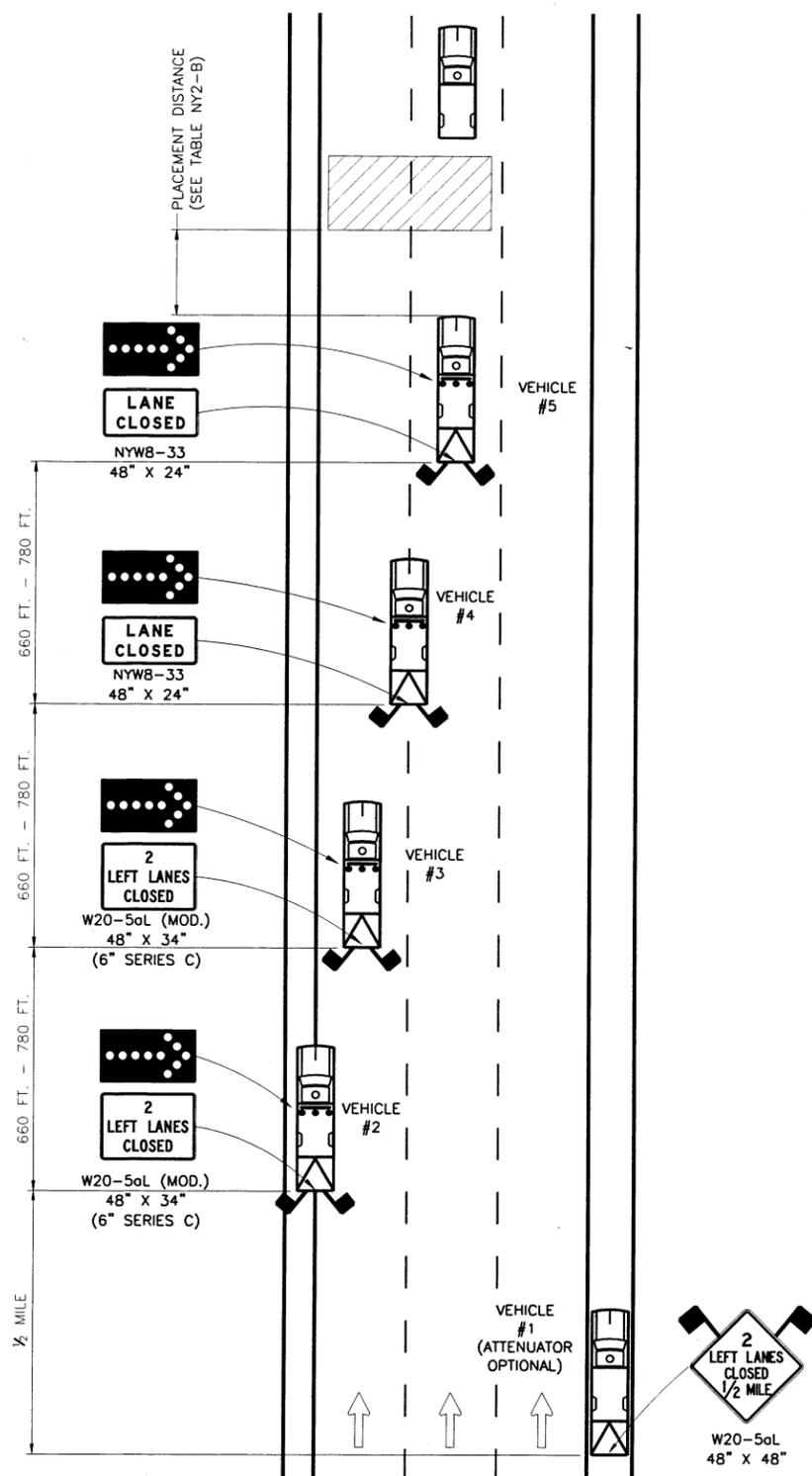


NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING 200 SOUTHERN BLVD., ALBANY, N.Y. 12209	TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
	LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 02/13
TITLE OF DRAWING SINGLE LANE CLOSURE (SHORT- OR INTERMEDIATE-TERM STATIONARY)		DRAWING NUMBER: SLC-65



MOBILE OPERATION - SINGLE LANE CLOSURE
IN NARROW SHOULDER AREA

N.T.S.



MOBILE OPERATION - DOUBLE LANE CLOSURE
IN NARROW SHOULDER AREA

N.T.S.

GENERAL NOTES:

1. THESE PLANS ARE TO BE UTILIZED ONLY WHEN AUTHORIZED BY THE ENGINEER.
2. MOBILE OPERATIONS ARE WORK ACTIVITIES THAT MOVE CONTINUOUSLY OR STOP INTERMITTENTLY FOR SHORT PERIODS IN THE ROADWAY. THE DURATION FOR EACH INTERMITTENT STOP MAY BE APPROXIMATELY 15 MINUTES BEFORE MOVING TO A NEW LOCATION.
3. VEHICLE #4 (SINGLE LANE CLOSURE PLAN) AND VEHICLE #5 (DOUBLE LANE CLOSURE PLAN) SHALL NOT BE USED TO TRANSPORT WORKERS, MATERIALS, AND/OR EQUIPMENT TO THE WORK SITE. A SEPARATE WORK VEHICLE(S) SHALL BE REQUIRED.
4. THESE TEMPORARY TRAFFIC CONTROL PLANS SHALL NOT BE ADVANCED THROUGH AN AREA WHERE THERE IS AN EXIT OR ENTRANCE RAMP.
5. FOR VEHICLE #1, A TRUCK-MOUNTED OR TRAILER-MOUNTED PORTABLE VARIABLE MESSAGE SIGN (PVMS) MAY BE USED IN LIEU OF THE SIGN SHOWN. THE PVMS UNIT SHALL BE COMPLETELY ON THE SHOULDER AND SHALL HAVE NO PORTION PROTRUDE OVER THE TRAVEL LANE AT ANY TIME. THE MESSAGE DISPLAYED SHALL BE THE SAME AS THAT SHOWN.

SINGLE LANE CLOSURE NOTES:

1. THE PLAN SHOWN IS FOR A MOBILE OPERATION INVOLVING A LEFT SINGLE LANE CLOSURE IN AN AREA WHERE THE USABLE LEFT SHOULDER/MEDIAN WIDTH IS LESS THAN 8 FEET.
2. WHERE THE LEFT LANE IS TO BE CLOSED, VEHICLE #1 IS TO BE LOCATED COMPLETELY ON THE RIGHT SHOULDER, VEHICLE #2 IS AS FAR LEFT ON THE LEFT SHOULDER AS CONDITIONS PERMIT, VEHICLE #3 STRADDLES THE LEFT SHOULDER AND THE LEFT LANE, AND VEHICLE #4 IS IN THE LEFT LANE.
3. IN AREAS WHERE THERE IS LITTLE TO NO LEFT SHOULDER/MEDIAN WIDTH, VEHICLE #2 AND VEHICLE #3 SHALL BE IN THE LEFT LANE.

DOUBLE LANE CLOSURE NOTES:

1. THE PLAN SHOWN IS FOR A MOBILE OPERATION INVOLVING A LEFT DOUBLE LANE CLOSURE IN AN AREA WHERE THE USABLE LEFT SHOULDER/MEDIAN WIDTH IS LESS THAN 8 FEET.
2. WHERE THE LEFT TWO LANES ARE TO BE CLOSED, VEHICLE #1 IS TO BE LOCATED COMPLETELY ON THE RIGHT SHOULDER, VEHICLE #2 STRADDLES THE LEFT SHOULDER AND THE LEFT LANE, VEHICLE #3 IS IN THE LEFT LANE, VEHICLE #4 STRADDLES THE LEFT LANE AND THE CENTER LANE, AND VEHICLE #5 IS IN THE CENTER LANE.
3. IN AREAS WHERE THERE IS LITTLE TO NO LEFT SHOULDER/MEDIAN WIDTH, VEHICLE #2 SHALL BE IN THE LEFT LANE.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

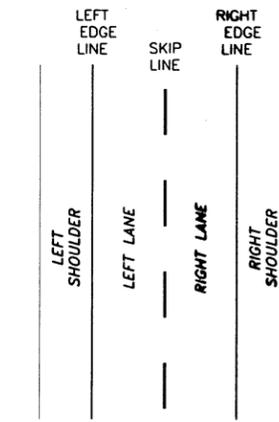


NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

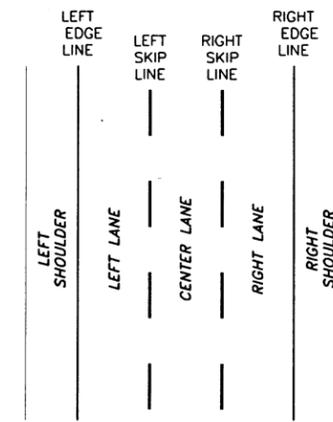
TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
LOCATION OF PROJECT
**SYRACUSE DIVISION
MP 262.0 - MP 279.3**
TITLE OF DRAWING
**MOBILE LANE CLOSURE
(NARROW SHOULDER AREA)**

CONTRACT NUMBER:
TAS 16-31
DATE:
02/13
DRAWING NUMBER:
MLC-NS

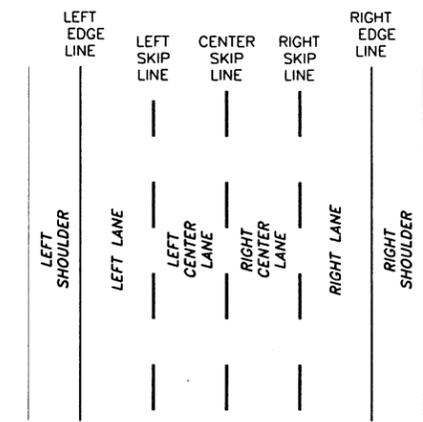
TRAFFIC CONTROL GUIDE FOR PAVEMENT STRIPING OPERATIONS	THRUWAY MAINLINE		
	TWO LANE SECTION	THREE LANE SECTION	FOUR LANE SECTION
LEFT EDGE LINE ONLY	DRAWING MLC-PS STRIPING OPERATION (LEFT EDGE LINE ONLY)	DRAWING MLC-PS STRIPING OPERATION (LEFT EDGE LINE ONLY)	DRAWING MLC-PS STRIPING OPERATION (LEFT EDGE LINE ONLY)
LEFT EDGE LINE WITH LEFT SKIP LINE	DRAWING MLC-PS STRIPING OPERATION LEFT LANE CLOSURE	DRAWING MLC-PS STRIPING OPERATION LEFT LANE CLOSURE	DRAWING MLC-PS STRIPING OPERATION LEFT LANE CLOSURE
LEFT SKIP LINE ONLY	DRAWING MLC-PS STRIPING OPERATION LEFT LANE CLOSURE	DRAWING MLC-PS STRIPING OPERATION LEFT LANE CLOSURE	DRAWING MLC-PS STRIPING OPERATION LEFT LANE CLOSURE
CENTER SKIP LINE	_____	_____	DRAWING MLC-PS STRIPING OPERATION LEFT DOUBLE LANE CLOSURE
RIGHT SKIP LINE ONLY	_____	DRAWING MLC-PS STRIPING OPERATION LEFT DOUBLE LANE CLOSURE	DRAWING INT TYPICAL DECELERATION AND ACCELERATION LANES
RIGHT EDGE LINE	DRAWING MLC-PS STRIPING OPERATION (RIGHT EDGE LINE ONLY)	DRAWING MLC-PS STRIPING OPERATION (RIGHT EDGE LINE ONLY)	DRAWING MLC-PS STRIPING OPERATION (RIGHT EDGE LINE ONLY)
RIGHT EDGE LINE AT DECELERATION AND ACCELERATION LANES	DRAWING MLC-PS STRIPING OPERATION (RIGHT EDGE LINE ONLY)	DRAWING MLC-PS STRIPING OPERATION (RIGHT EDGE LINE ONLY)	DRAWING MLC-PS STRIPING OPERATION (RIGHT EDGE LINE ONLY)
EDGE LINES AT EXIT AND ENTRANCE RAMPS	DRAWING INT-PS	DRAWING INT-PS	DRAWING INT-PS
GORES	DRAWING INT TYPICAL ACCELERATION AND DECELERATION LANES DRAWING SLC-55 OR SLC-65	DRAWING INT TYPICAL ACCELERATION AND DECELERATION LANES DRAWING SLC-55 OR SLC-65	DRAWING INT TYPICAL ACCELERATION AND DECELERATION LANES DRAWING SLC-55 OR SLC-65



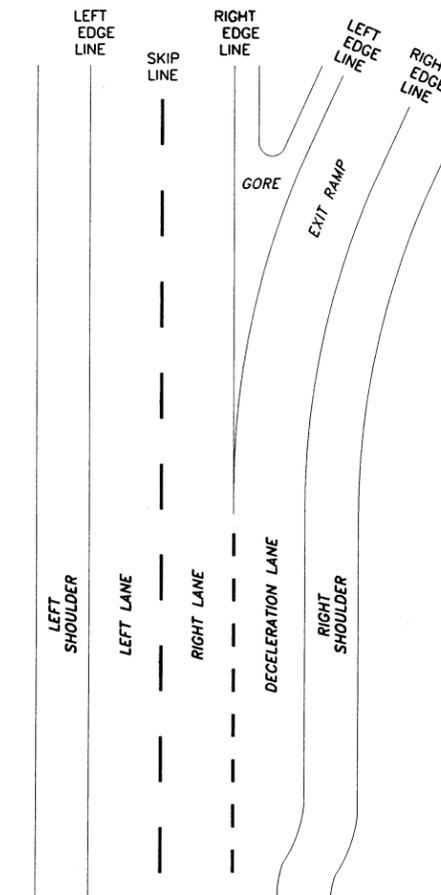
SCHEMATIC TWO LANE SECTION
N.T.S.



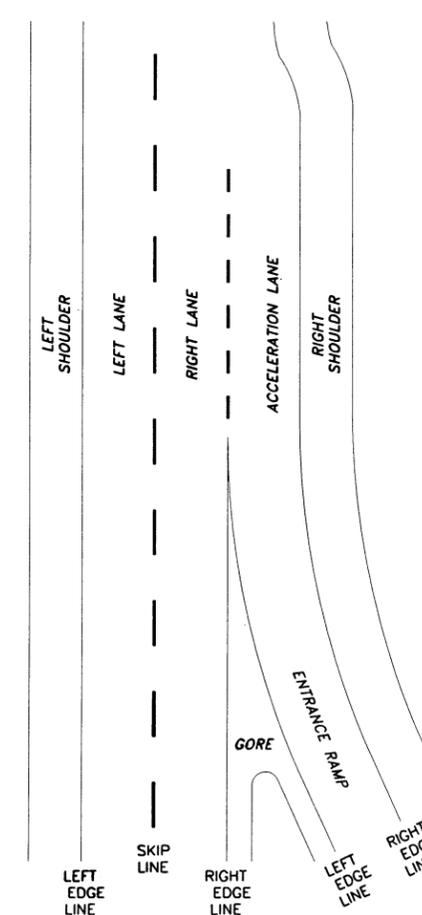
SCHEMATIC THREE LANE SECTION
N.T.S.



SCHEMATIC FOUR LANE SECTION
N.T.S.



SCHEMATIC DECELERATION LANE AND EXIT RAMP
N.T.S.



SCHEMATIC ACCELERATION LANE AND ENTRANCE RAMP
N.T.S.

NOTES:

1. THE TABLE SHOWN IS INTENDED TO BE A GUIDE IN SELECTING THE APPROPRIATE WORK ZONE TRAFFIC CONTROL PLAN FOR PAVEMENT STRIPING OPERATIONS.
2. THE FOLLOWING STANDARD TRAFFIC CONTROL DRAWINGS ARE REFERENCED IN THE TABLE:
3. DRAWINGS REFERENCED ON THIS SHEET THAT HAVE NOT BEEN INCLUDED IN THE CONTRACT ARE NOT APPLICABLE.

MLC-PS - MOBILE LANE CLOSURE FOR PAVEMENT STRIPING OPERATIONS

INT-PS - WORK ZONE TRAFFIC CONTROL FOR PAVEMENT STRIPING OPERATIONS AT INTERCHANGES, SERVICE AREAS, AND PARKING AREAS

INT - WORK ZONE TRAFFIC CONTROL AT INTERCHANGES, SERVICE AREAS, AND PARKING AREAS

SLC - SINGLE LANE CLOSURE (SHORT- OR INTERMEDIATE-TERM STATIONARY)

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK

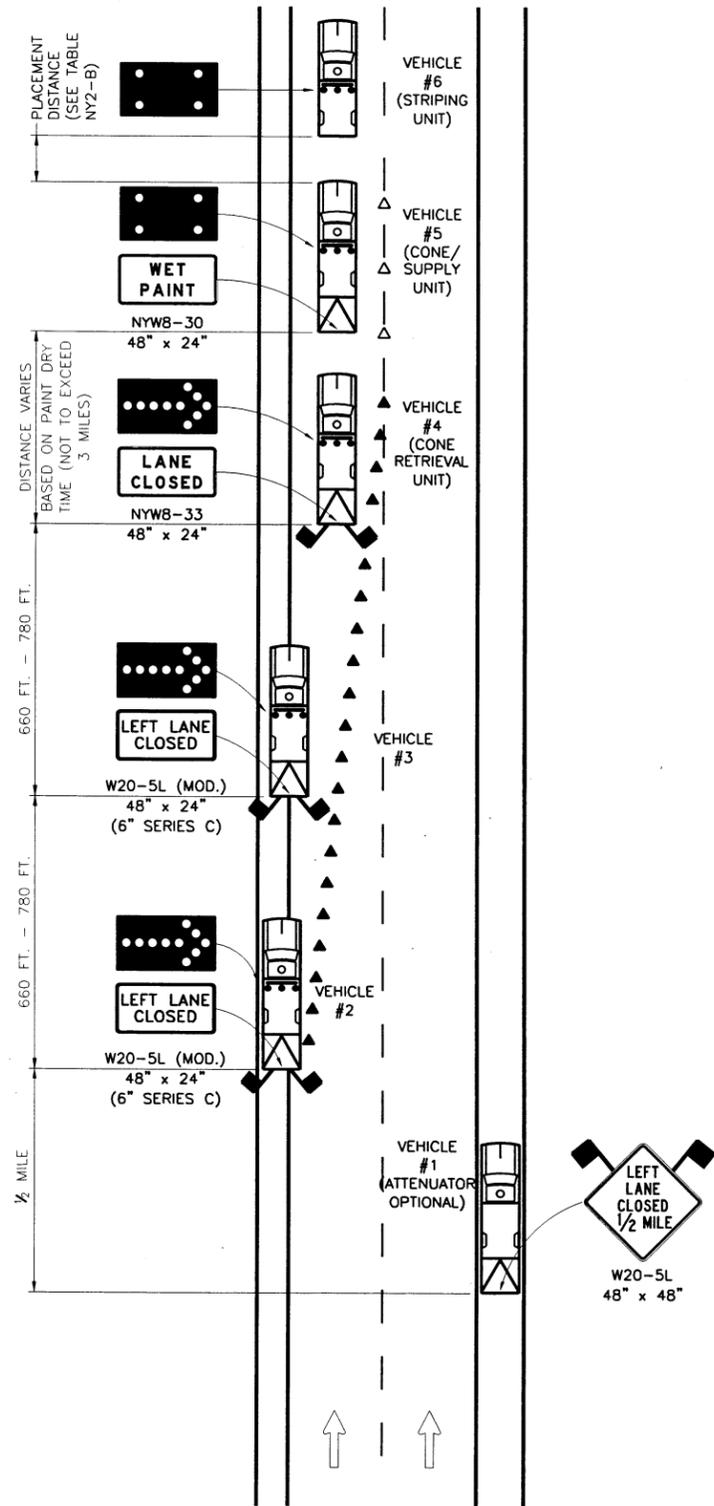
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3

TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL GUIDE FOR PAVEMENT STRIPING OPERATIONS

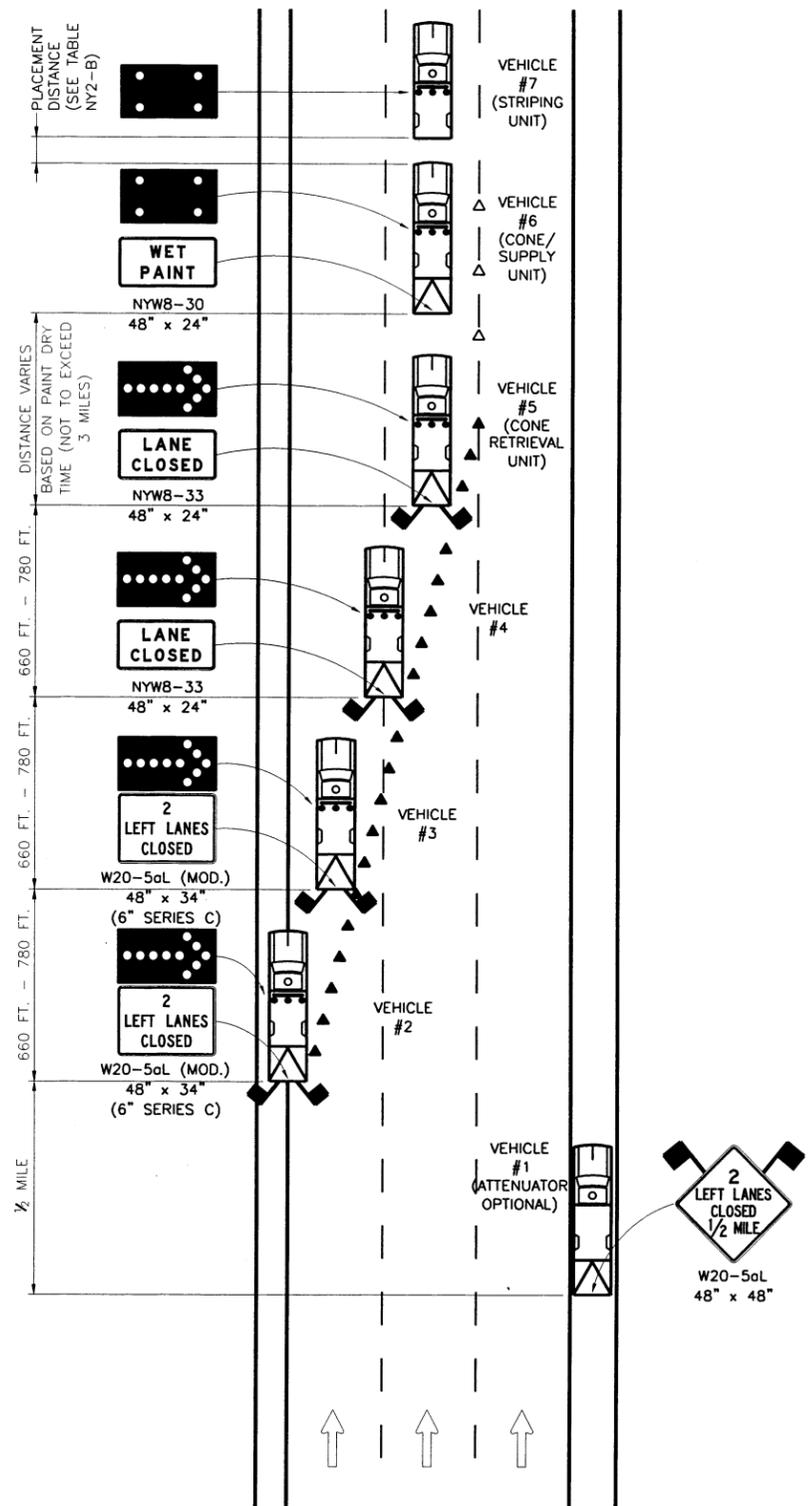
CONTRACT NUMBER:
TAS 16-31

DATE:
02/13

DRAWING NUMBER:
PM-G



STRIPING OPERATION - SINGLE LANE CLOSURE IN NARROW SHOULDER AREA
N.T.S.



STRIPING OPERATION - DOUBLE LANE CLOSURE IN NARROW SHOULDER AREA
N.T.S.

GENERAL NOTES:

1. THESE PLANS ARE TO BE UTILIZED ONLY WHEN AUTHORIZED BY THE ENGINEER.
2. IF THE CONE/SUPPLY VEHICLE IS NOT EQUIPPED WITH AN ATTENUATOR AND ARROW PANEL, A SHADOW VEHICLE SHALL BE ADDED TO THE PLAN AND BE PLACED BEHIND THE CONE/SUPPLY VEHICLE IN ACCORDANCE WITH TABLE NY2-B.
3. FOR VEHICLE #1, A TRUCK-MOUNTED OR TRAILER-MOUNTED PORTABLE VARIABLE MESSAGE SIGN (PVMS) MAY BE USED IN LIEU OF THE SIGN SHOWN. THE PVMS UNIT SHALL BE COMPLETELY ON THE SHOULDER AND SHALL HAVE NO PORTION PROTRUDE OVER THE TRAVEL LANE AT ANY TIME. THE MESSAGE DISPLAYED SHALL BE THE SAME AS THAT SHOWN.

SINGLE LANE CLOSURE NOTES:

1. THE PLAN SHOWN IS FOR A STRIPING OPERATION INVOLVING A LEFT SINGLE LANE CLOSURE IN AN AREA WHERE THE USABLE LEFT SHOULDER/MEDIAN WIDTH IS LESS THAN 8 FEET.
2. WHERE THE LEFT LANE IS TO BE CLOSED, VEHICLE #1 IS TO BE LOCATED COMPLETELY ON THE RIGHT SHOULDER, VEHICLE #2 IS AS FAR LEFT ON THE LEFT SHOULDER AS CONDITIONS PERMIT, VEHICLE #3 STRADDLES THE LEFT SHOULDER AND THE LEFT LANE, AND VEHICLES #4, #5, AND #6 ARE IN THE LEFT LANE.
3. IN AREAS WHERE THERE IS LITTLE TO NO LEFT SHOULDER/MEDIAN WIDTH, VEHICLE #2 AND VEHICLE #3 SHALL BE IN THE LEFT LANE.

DOUBLE LANE CLOSURE NOTES:

1. THE PLAN SHOWN IS FOR A STRIPING OPERATION INVOLVING A LEFT DOUBLE LANE CLOSURE IN AN AREA WHERE THE USABLE LEFT SHOULDER/MEDIAN WIDTH IS LESS THAN 8 FEET.
2. WHERE THE LEFT TWO LANES ARE TO BE CLOSED, VEHICLE #1 IS TO BE LOCATED COMPLETELY ON THE RIGHT SHOULDER, VEHICLE #2 STRADDLES THE LEFT SHOULDER AND THE LEFT LANE, VEHICLE #3 IS IN THE LEFT LANE, VEHICLE #4 STRADDLES THE LEFT LANE AND THE CENTER LANE, AND VEHICLES #5, #6, AND #7 ARE IN THE CENTER LANE.
3. IN AREAS WHERE THERE IS LITTLE TO NO LEFT SHOULDER/MEDIAN WIDTH, VEHICLE #2 SHALL BE IN THE LEFT LANE.

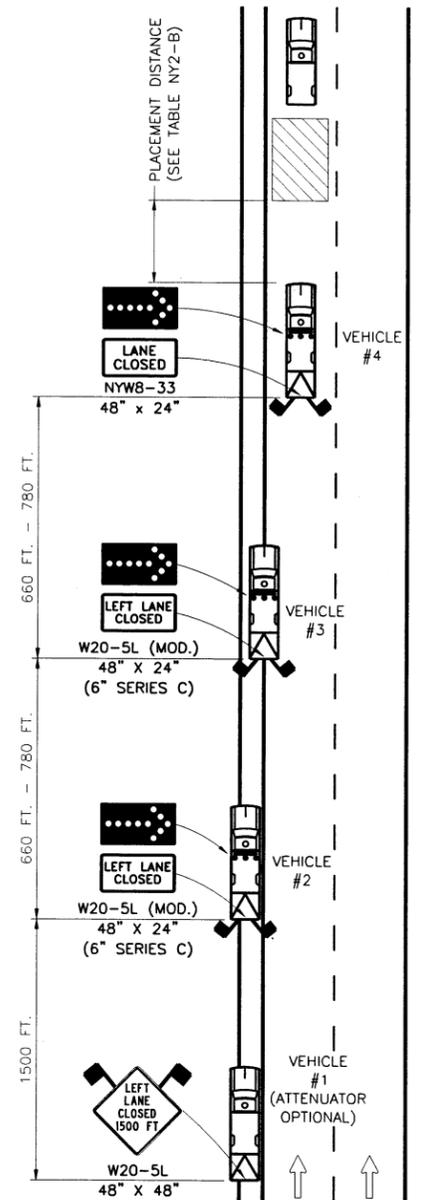
LEGEND

- △ TRAFFIC CONES @ 80 FT. SPACING PLACED ADJACENT TO WET PAINT STRIPE AND REMOVED SUBSEQUENT TO DRYING.
- ▲ TRAFFIC CONES @ 40 FT. SPACING WHEN MOBILE OPERATIONS BECOME TEMPORARILY STATIONARY FOR PERIODS LONGER THAN 15 (FIFTEEN) MINUTES IN DURATION. TRAFFIC CONES ARE TO BE REMOVED UPON RESUMPTION OF MOBILE OPERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM

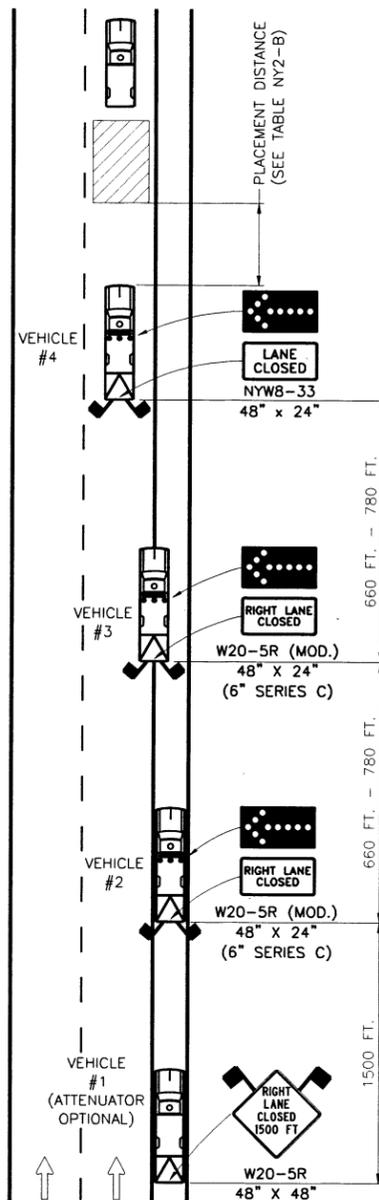


NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING 200 SOUTHERN BLVD., ALBANY, N.Y. 12209	TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
	LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 02/13
TITLE OF DRAWING MOBILE LANE CLOSURE FOR PAVEMENT STRIPING OPERATIONS (NARROW SHOULDER AREA)		DRAWING NUMBER: MLC-PS-NS



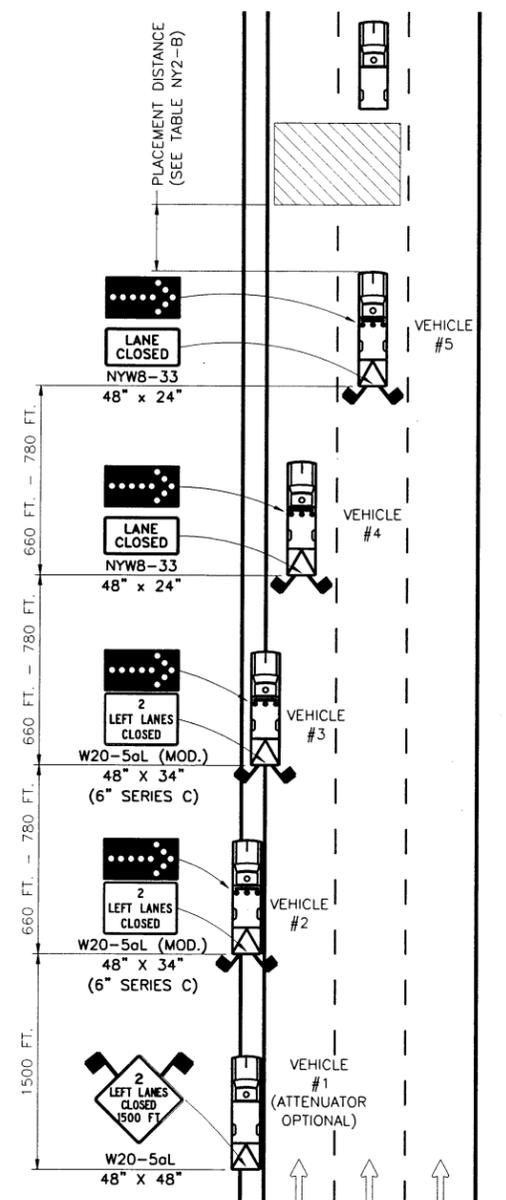
MOBILE OPERATION
LEFT LANE CLOSURE

N.T.S.



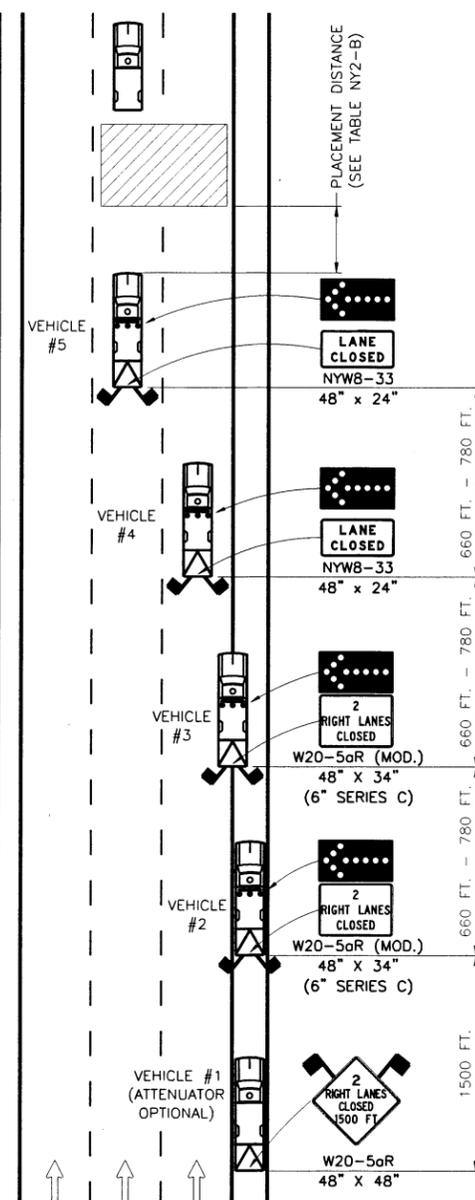
MOBILE OPERATION
RIGHT LANE CLOSURE

N.T.S.



MOBILE OPERATION
LEFT DOUBLE LANE CLOSURE

N.T.S.



MOBILE OPERATION
RIGHT DOUBLE LANE CLOSURE

N.T.S.

NOTES:

- THESE PLANS ARE TO BE UTILIZED ONLY WHEN AUTHORIZED BY THE ENGINEER.
- MOBILE OPERATIONS ARE WORK ACTIVITIES THAT MOVE CONTINUOUSLY OR STOP INTERMITTENTLY FOR SHORT PERIODS IN THE ROADWAY. THE DURATION FOR EACH INTERMITTENT STOP MAY BE APPROXIMATELY 15 MINUTES BEFORE MOVING TO A NEW LOCATION.
- VEHICLE #4 (LEFT LANE CLOSURE AND RIGHT LANE CLOSURE PLANS) AND VEHICLE #5 (LEFT DOUBLE LANE CLOSURE AND RIGHT DOUBLE LANE CLOSURE PLANS) SHALL NOT BE USED TO TRANSPORT WORKERS, MATERIALS, AND/OR EQUIPMENT TO THE WORK SITE. A SEPARATE WORK VEHICLE(S) SHALL BE REQUIRED.
- THESE TEMPORARY TRAFFIC CONTROL PLANS SHALL NOT BE ADVANCED THROUGH AN AREA WHERE THERE IS AN EXIT OR ENTRANCE RAMP.
- WHERE THE LEFT LANE IS TO BE CLOSED, VEHICLE #1 AND VEHICLE #2 ARE TO BE LOCATED COMPLETELY ON THE LEFT SHOULDER, VEHICLE #3 STRADDLES THE LEFT SHOULDER AND THE LEFT LANE, AND VEHICLE #4 IS IN THE LEFT LANE.
- WHERE THE RIGHT LANE IS TO BE CLOSED, VEHICLE #1 AND VEHICLE #2 ARE TO BE LOCATED COMPLETELY ON THE RIGHT SHOULDER, VEHICLE #3 STRADDLES THE RIGHT SHOULDER AND THE RIGHT LANE, AND VEHICLE #4 IS IN THE RIGHT LANE.
- WHERE THE LEFT TWO LANES ARE TO BE CLOSED, VEHICLE #1 AND VEHICLE #2 ARE TO BE LOCATED COMPLETELY ON THE LEFT SHOULDER, VEHICLE #3 STRADDLES THE LEFT SHOULDER AND THE LEFT LANE, VEHICLE #4 IS IN THE LEFT LANE, AND VEHICLE #5 IS IN THE CENTER LANE.
- WHERE THE RIGHT TWO LANES ARE TO BE CLOSED, VEHICLE #1 AND VEHICLE #2 ARE TO BE LOCATED COMPLETELY ON THE RIGHT SHOULDER, VEHICLE #3 STRADDLES THE RIGHT SHOULDER AND THE RIGHT LANE, VEHICLE #4 IS IN THE RIGHT LANE, AND VEHICLE #5 IS IN THE CENTER LANE.
- FOR VEHICLE #2, A TRAILER-MOUNTED ARROW PANEL MAY BE SUBSTITUTED FOR THE TRUCK-MOUNTED ARROW PANEL.
- FOR VEHICLE #2, THE ATTENUATOR IS OPTIONAL FOR DAYTIME OPERATIONS. FOR NIGHTTIME OPERATIONS, ALL VEHICLES, INCLUDING VEHICLE #1 AND VEHICLE #2 ON THE SHOULDER, SHALL BE EQUIPPED WITH AN ATTENUATOR.
- FOR VEHICLE #1, A TRUCK-MOUNTED OR TRAILER-MOUNTED PORTABLE VARIABLE MESSAGE SIGN (PVMS) MAY BE USED IN LIEU OF THE SIGN SHOWN. THE PVMS UNIT SHALL BE COMPLETELY ON THE SHOULDER AND SHALL HAVE NO PORTION PROTRUDE OVER THE TRAVEL LANE AT ANY TIME. THE MESSAGE DISPLAYED SHALL BE THE SAME AS THAT SHOWN.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY
IMPROVEMENTS & MISCELLANEOUS WORK
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3

CONTRACT NUMBER:
TAS 16-31

DATE:
02/13

TITLE OF DRAWING:
MOBILE LANE CLOSURE

DRAWING NUMBER:
MLC

PROCEDURE A:

PROCEDURE B:

MAINLINE (RIGHT EDGE) STRIPING AT DECELERATION AND ACCELERATION LANES

RIGHT AND LEFT EDGE LINE STRIPING ON EXIT AND ENTRANCE RAMP

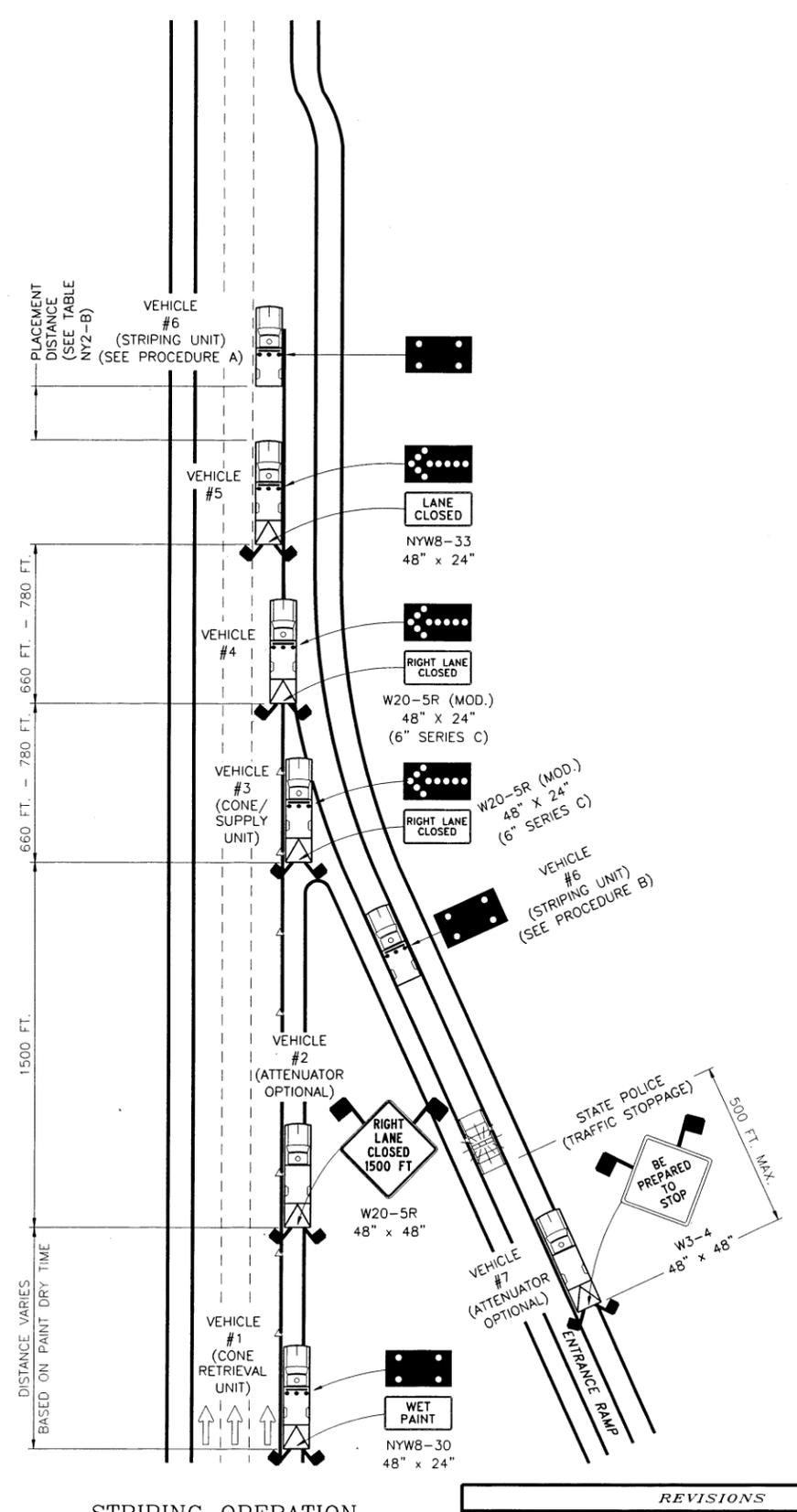
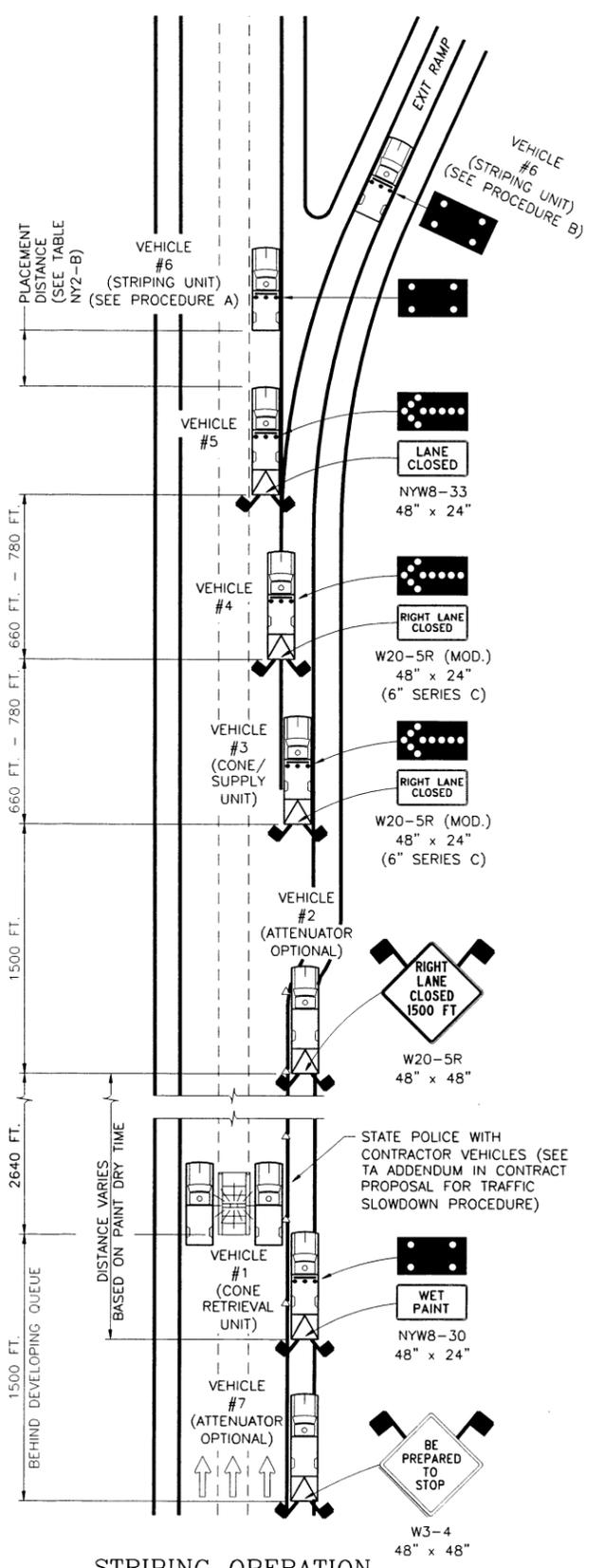
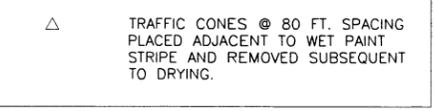
1. APPROACH THE DECELERATION LANE USING THE TEMPORARY TRAFFIC CONTROL PLAN FOR STRIPING OPERATION (RIGHT EDGE LINE ONLY).
2. WHEN THE STRIPING UNIT, VEHICLE #6, REACHES THE BEGINNING OF THE DECELERATION LANE, ALL UNITS SHALL COME TO A COMPLETE STOP UNTIL THE STATE POLICE IMPLEMENT THE ROLLING BLOCK BARRICADE.
3. WHEN ALL TRAFFIC HAS CLEARED BETWEEN THE STATE POLICE AND THE STRIPING UNIT, VEHICLES #3, #4, #5, AND #6 MAY THEN PROCEED ACROSS THE DECELERATION LANE AND STRIPE THE COMBINATION BROKEN/SOLID LINE AT THE EXIT RAMP AND THE MAINLINE SIDE OF THE GORE. THE STRIPING OPERATION MAY THEN CONTINUE ALONG THE RIGHT EDGE LINE.
4. WHEN VEHICLES #3, #4, #5, AND #6 ARE COMPLETELY ACROSS THE DECELERATION LANE AND EXIT RAMP, THE STATE POLICE SHALL RELEASE TRAFFIC AND, ALONG WITH VEHICLE #7, PROCEED TO THE BEGINNING OF THE ENTRANCE RAMP WHERE TRAFFIC SHALL BE STOPPED.
5. WHEN VEHICLE #6 REACHES THE GORE OF THE ACCELERATION LANE, ALL UNITS SHALL COME TO A COMPLETE STOP UNTIL ALL ENTRANCE RAMP TRAFFIC HAS CLEARED IN FRONT OF THE STATE POLICE. VEHICLES #3, #4, #5, AND #6 MAY THEN STRIPE THE MAINLINE SIDE OF THE GORE AND THE COMBINATION SOLID/BROKEN LINE AT THE ENTRANCE RAMP.
6. WHEN VEHICLES #3, #4, #5, AND #6 ARE COMPLETELY ACROSS THE ACCELERATION LANE, THE STATE POLICE SHALL RELEASE TRAFFIC.
7. STRIPING OPERATIONS SHALL THEN RESUME ALONG THE RIGHT EDGE LINE UNTIL THE NEXT INTERCHANGE, SERVICE AREA, OR PARKING AREA IS REACHED. THE ABOVE PROCEDURE SHALL THEN BE REPEATED.

1. APPROACH THE DECELERATION LANE USING THE TEMPORARY TRAFFIC CONTROL PLAN FOR STRIPING OPERATION (RIGHT EDGE LINE ONLY).
2. WHEN THE STRIPING UNIT, VEHICLE #6, REACHES THE BEGINNING OF THE DECELERATION LANE, ALL UNITS SHALL COME TO A COMPLETE STOP UNTIL THE STATE POLICE IMPLEMENT THE ROLLING BLOCK BARRICADE.
3. WHEN ALL TRAFFIC HAS CLEARED BETWEEN THE STATE POLICE AND THE STRIPING UNIT, VEHICLE #6 SHALL PROCEED ALONG THE DECELERATION LANE AND EXIT RAMP WHILE STRIPING THE RIGHT AND/OR LEFT EDGE LINES. UPON COMPLETION OF THE DECELERATION LANE AND EXIT RAMP STRIPING, VEHICLE #6 SHALL PROCEED TO THE BEGINNING OF ENTRANCE RAMP AND PARK ON THE RIGHT SHOULDER. VEHICLES #3, #4, AND #5 SHALL PROCEED ACROSS THE DECELERATION LANE AND EXIT RAMP TO THE GORE OF THE ACCELERATION LANE AND COME TO A COMPLETE STOP.
4. THE STATE POLICE SHALL THEN RELEASE TRAFFIC AND, ALONG WITH VEHICLE #7, PROCEED TO THE BEGINNING OF THE ENTRANCE RAMP AND PARK BEHIND VEHICLE #6 ON THE RIGHT SHOULDER.
5. THE STATE POLICE SHALL THEN STOP TRAFFIC FROM ENTERING THE RAMP, AND VEHICLE #6 SHALL PROCEED TO STRIPE THE RIGHT AND/OR LEFT EDGE LINES ON THE ENTRANCE RAMP AND ACCELERATION LANE.
6. UPON COMPLETION OF THE ENTRANCE RAMP AND ACCELERATION LANE STRIPING, VEHICLES #3, #4, #5, AND #6 SHALL CLOSE THE RIGHT LANE AND PROCEED PAST THE ACCELERATION LANE. AT THIS TIME, THE STATE POLICE SHALL RELEASE TRAFFIC ON THE RAMP.

GENERAL NOTES:

1. THESE PLANS ARE TO BE UTILIZED ONLY WHEN AUTHORIZED BY THE ENGINEER.
2. THIS SHEET SHALL BE USED IN CONJUNCTION WITH THE DETAILS AND NOTES FOUND ON THE TEMPORARY TRAFFIC CONTROL DRAWING "MOBILE LANE CLOSURE FOR PAVEMENT STRIPING OPERATIONS."
3. THE CONTRACTOR SHALL PROVIDE ALL VEHICLES AND SIGNS SHOWN. STATE POLICE ASSISTANCE IS REQUIRED FOR THE EXECUTION OF THE ROLLING BLOCK BARRICADE.
4. THE PROCEDURE FOR ESTABLISHING A TRAFFIC SLOWDOWN CAN BE FOUND IN THE THRUWAY AUTHORITY ADDENDUM SECTION OF THE CONTRACT PROPOSAL.
5. VEHICLE #2 SHALL MAINTAIN ITS DISTANCE FROM VEHICLE #3 AT ALL TIMES WITHOUT BLOCKING THE RAMPS.

LEGEND



STRIPING OPERATION
TYPICAL DECELERATION LANE
N.T.S.

STRIPING OPERATION
TYPICAL ACCELERATION LANE
N.T.S.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3

CONTRACT NUMBER:
TAS 16-31

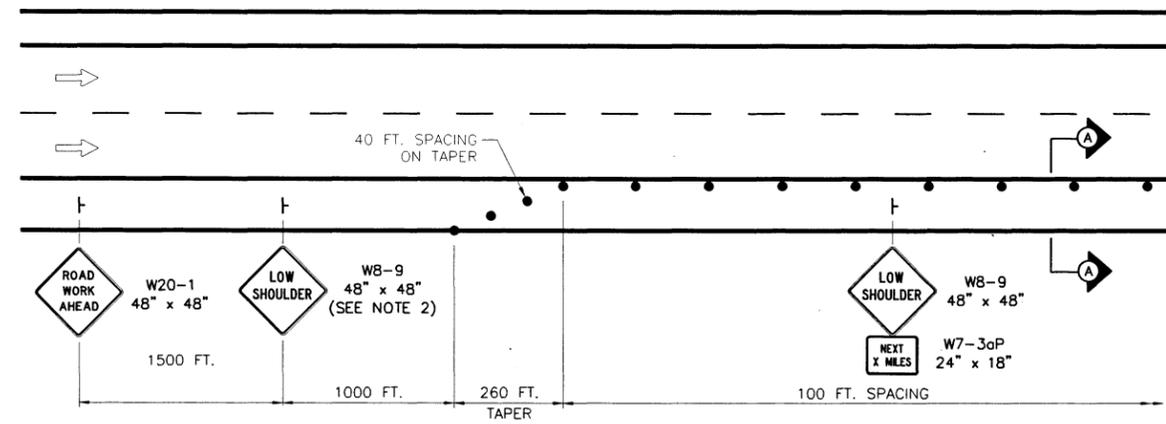
DATE:
06/16

TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL FOR PAVEMENT STRIPING OPERATIONS AT INTERCHANGES, SERVICE AREAS AND PARKING AREAS

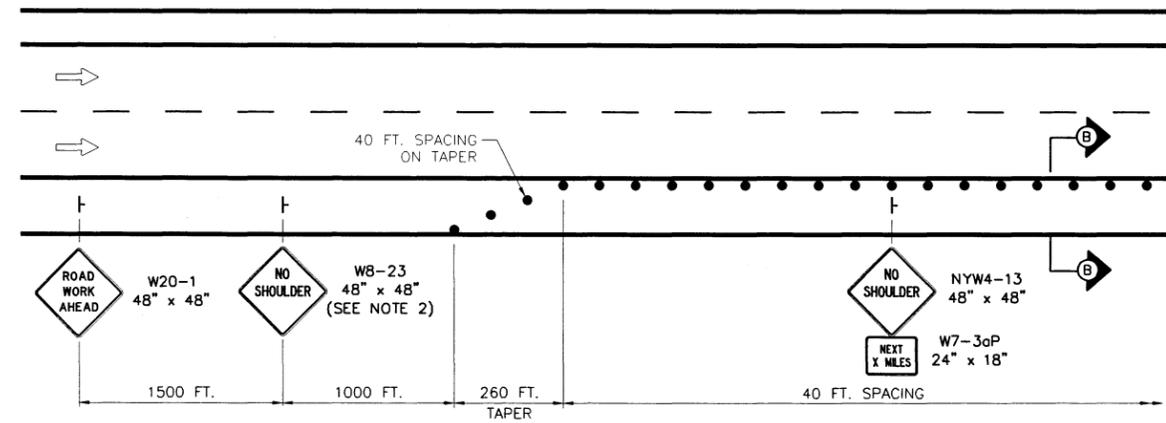
DRAWING NUMBER:
INT-PS

INT-PS.dgn
 CHECKED BY: TA
 DRAFTED BY: CAD
 CHECKED BY: J. SHINSKI
 DESIGNED BY: R. COURNOYER
 DESIGN SUPERVISOR: T. MAHAR

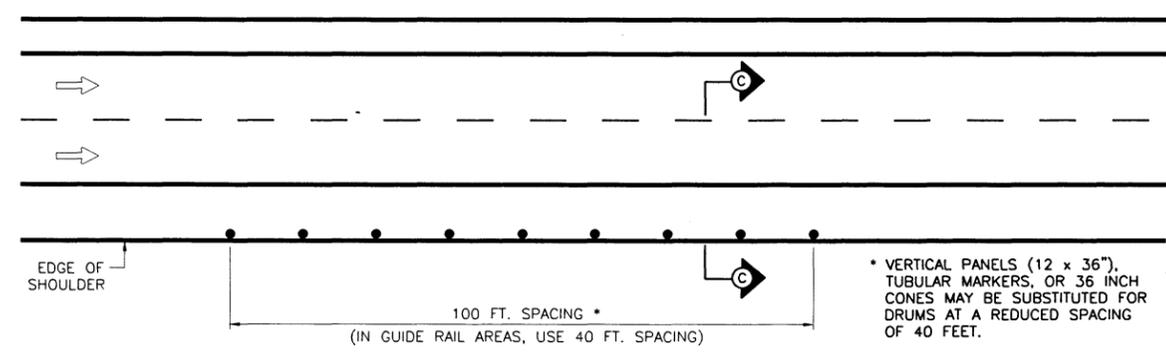
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CHECKED BY: TA
DRAFTED BY: CAO
CHECKED BY: J. SHINSKI
DESIGNED BY: R. COURNOYER
DESIGN SUPERVISOR: T. MAHAR



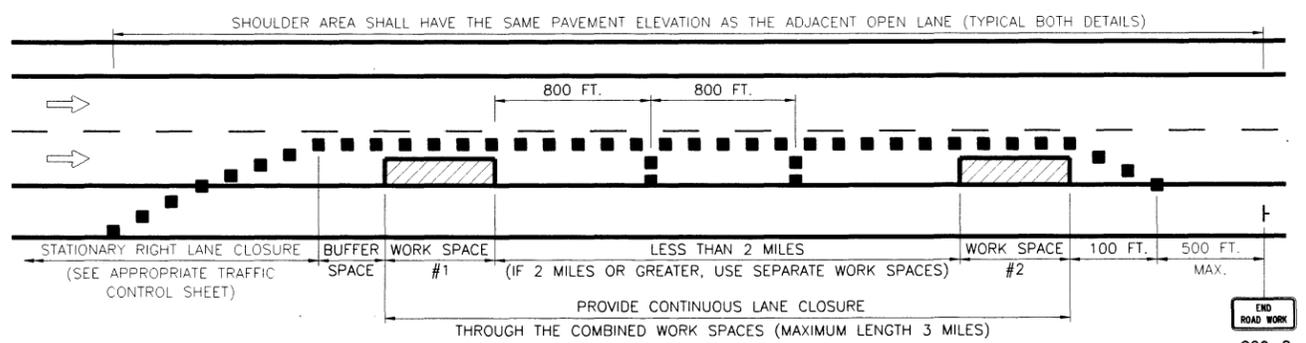
**DROP-OFF AT EDGE OF TRAVELED WAY
DEPTH 2 INCHES TO 4 INCHES**
N.T.S.



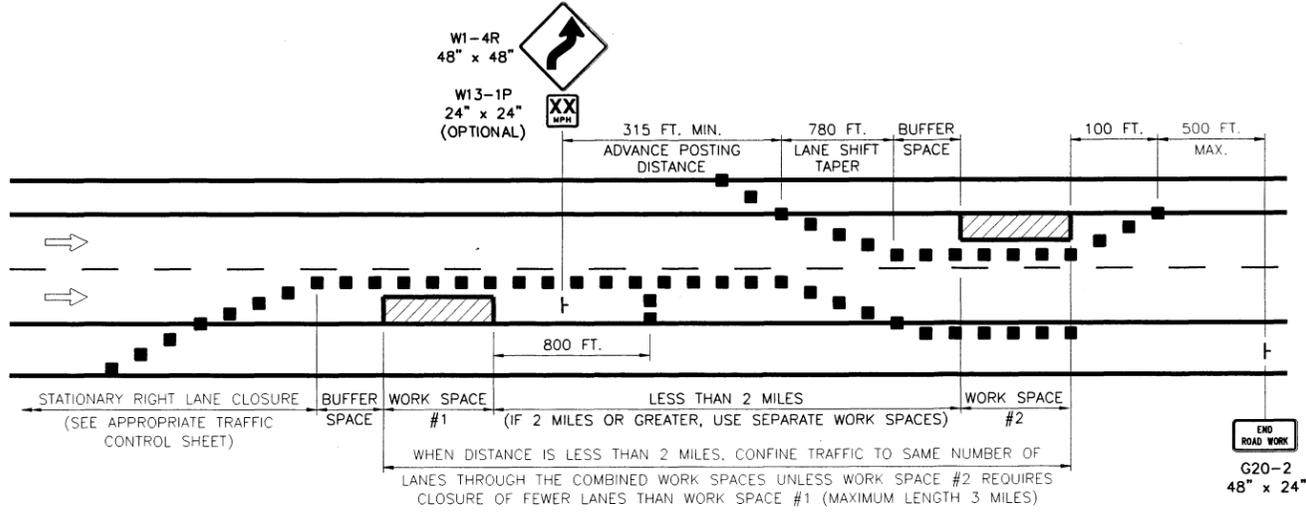
**DROP-OFF AT EDGE OF TRAVELED WAY
DEPTH GREATER THAN 4 INCHES, BUT LESS THAN OR EQUAL TO 18 INCHES**
N.T.S.



**DROP-OFF AT OUTSIDE EDGE OF SHOULDER
DEPTH GREATER THAN 4 INCHES, BUT LESS THAN OR EQUAL TO 18 INCHES
AND SHOULDER WIDTH 4 FEET OR GREATER**
N.T.S.



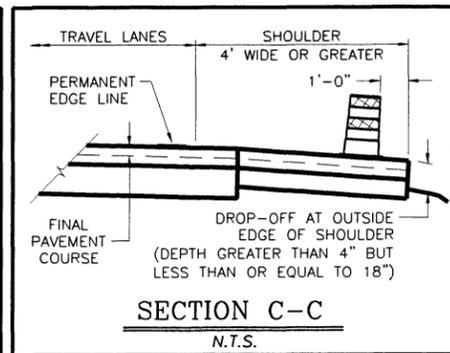
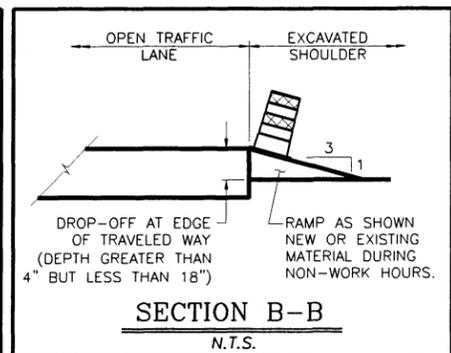
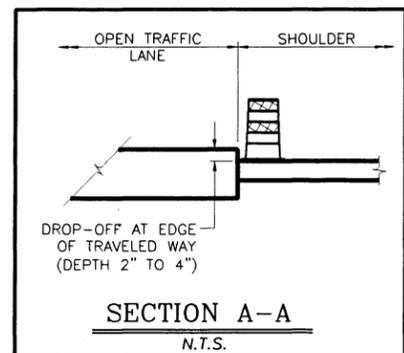
SUCCESSIVE WORK SPACES OCCUPYING SAME LANE
N.T.S.



SUCCESSIVE WORK SPACES OCCUPYING DIFFERENT LANES
N.T.S.

DROP-OFF DELINEATION NOTES:

- SIGNING AND DELINEATION ARE SHOWN ALONG THE RIGHT SHOULDER. SIGNING AND DELINEATION FOR THE LEFT SHOULDER SHALL BE THE MIRROR IMAGE OF THE SAME DETAILS.
- THE "LOW SHOULDER" (WB-9) SIGN OR "NO SHOULDER" (WB-23) SIGN SHALL BE PLACED IN ADVANCE OF THE DRUM TAPER AS SHOWN. SIGNING SHALL BE REPEATED EVERY 1/2 MILE WITH "NEXT X MILES" (W7-3aP) SUPPLEMENTAL PLAQUES.
- VERTICAL PANELS (12 x 36 IN.) MAY BE SUBSTITUTED FOR DRUMS. DRUMS OR VERTICAL PANELS SHALL BE PLACED AND MAINTAINED SUCH THAT AT LEAST TWO-THIRDS OF THEIR HEIGHT IS EXPOSED ABOVE THE PAVEMENT.
- IF THE DEPTH OF EXCAVATION EXCEEDS 18 INCHES, THE ADJACENT LANE SHALL BE CLOSED OR TEMPORARY CONCRETE BARRIER SHALL BE USED TO PROTECT THE CONDITION.



REVISIONS			
DATE	DESCRIPTION	BY	SYM



NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3

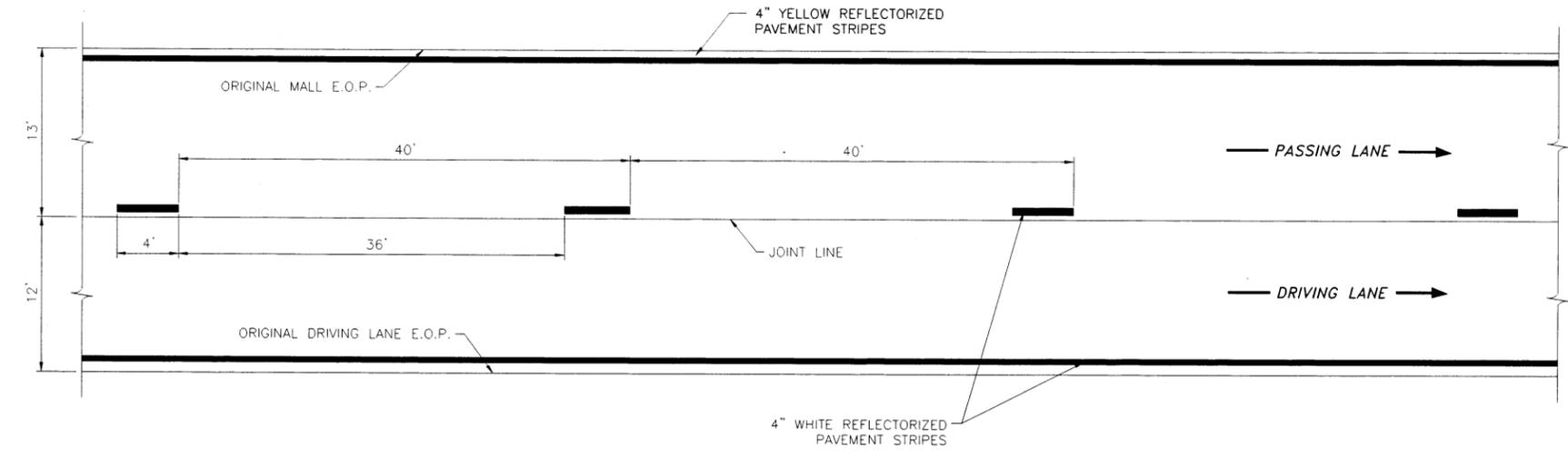
TITLE OF DRAWING
WORK ZONE TRAFFIC CONTROL FOR MISCELLANEOUS OPERATIONS

CONTRACT NUMBER:
TAS 16-31

DATE:
02/13

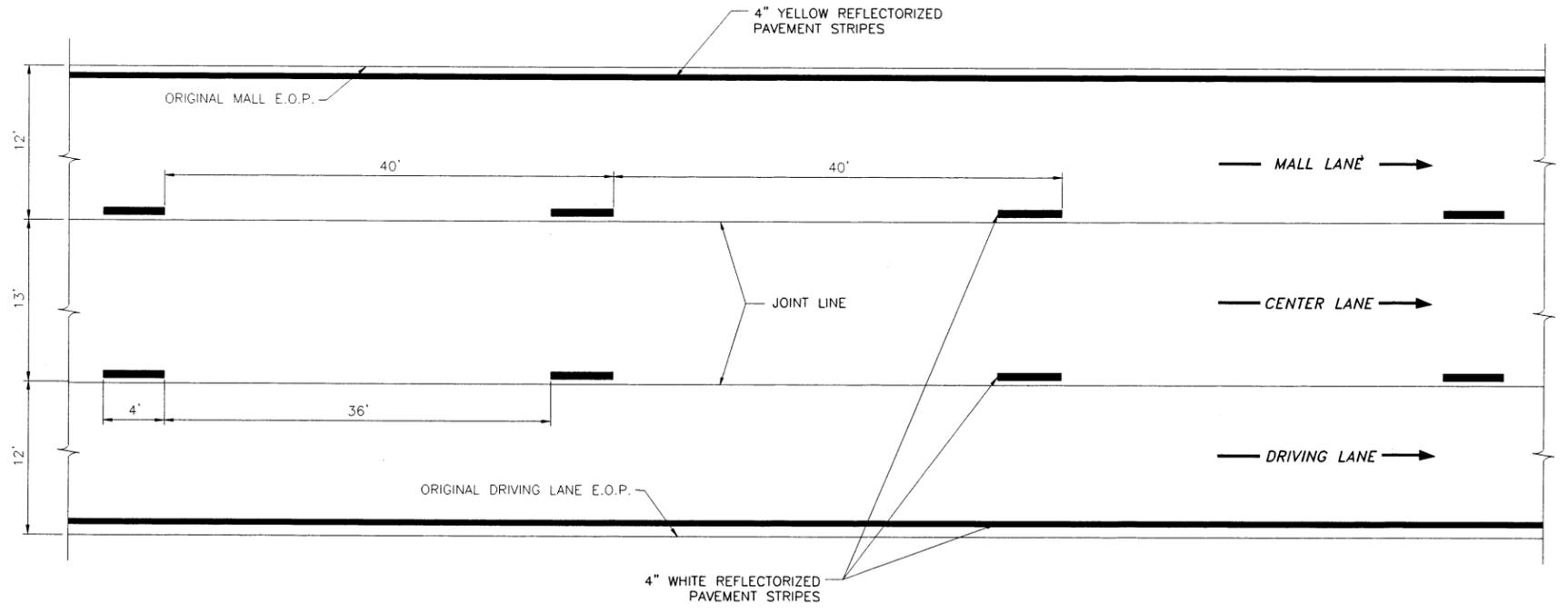
DRAWING NUMBER:
MO

PM-T.dwg
 CHECKED BY: TA
 DRAFTED BY: CAD
 CHECKED BY: J. SHINSKI
 DESIGNED BY: R. COURNOYER
 DESIGN SUPERVISOR: T. MAHAR



TYPICAL PLAN
TEMPORARY PAVEMENT MARKINGS - TWO LANE
 N.T.S.

NOTE: DETAIL SHOWN IS FOR FINISHED OR UNFINISHED PAVEMENT SURFACES. (SEE NOTES 3, 4, & 5)



TYPICAL PLAN
TEMPORARY PAVEMENT MARKINGS - THREE LANE
 N.T.S.

NOTE: DETAIL SHOWN IS FOR FINISHED OR UNFINISHED PAVEMENT SURFACES. (SEE NOTES 3, 4, & 5)

GENERAL NOTES:

- TEMPORARY PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619-3.06 OF THE STANDARD SPECIFICATIONS. PAYMENT FOR TEMPORARY PAVEMENT MARKINGS SHALL BE MADE IN ACCORDANCE WITH SECTION 619-5.06 OF THE STANDARD SPECIFICATIONS AND THE APPROPRIATE ITEM(S) INCLUDED IN THE CONTRACT.
- PAYMENT FOR THE TEMPORARY PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH SECTION 619-5.06.
- PAVEMENT MARKING PAINT MAY BE USED FOR TEMPORARY PAVEMENT MARKINGS ON ALL UNDERLYING PAVEMENT COURSES (i.e. BASE, BINDER, LEVELING, AND SHIM). PAVEMENT MARKING PAINT SHALL NOT BE USED ON ANY FINISHED PAVEMENT SURFACE UNLESS THE LOCATION OF THE MARKINGS COINCIDE WITH FINAL EPOXY PAVEMENT MARKINGS.
- REMOVABLE PAVEMENT MARKINGS PLACED ON FINISHED PAVEMENT SURFACES SHALL BE OFFSET 12" FROM THE FINAL POSITION OF THE PERMANENT PAVEMENT MARKINGS.
- OFFSETS FOR TEMPORARY PAVEMENT MARKINGS MAY BE ADJUSTED WITH THE APPROVAL OF THE ENGINEER TO ACCOMMODATE CONSTRUCTION STAGING.
- SOLID EDGE LINES ARE REQUIRED PRIOR TO OPENING A LANE TO TRAFFIC UNLESS STARS ARE IN PLACE, IN WHICH CASE THE CONTRACTOR HAS UP TO 7 CALENDAR DAYS TO INSTALL THE SOLID EDGE LINES.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING 200 SOUTHERN BLVD., ALBANY, N.Y. 12209	TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
	LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 12/12
TITLE OF DRAWING TEMPORARY PAVEMENT MARKING DETAILS	DRAWING NUMBER: PM-T	

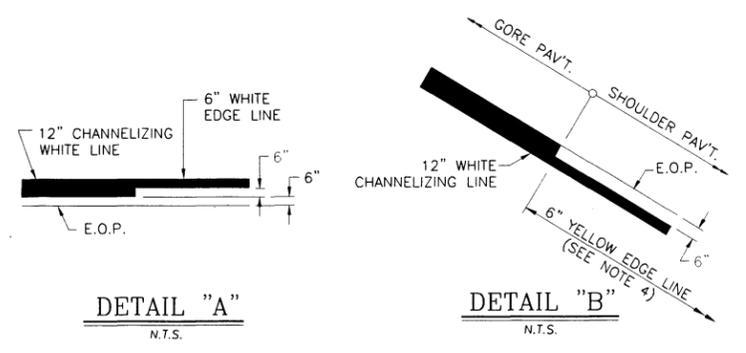
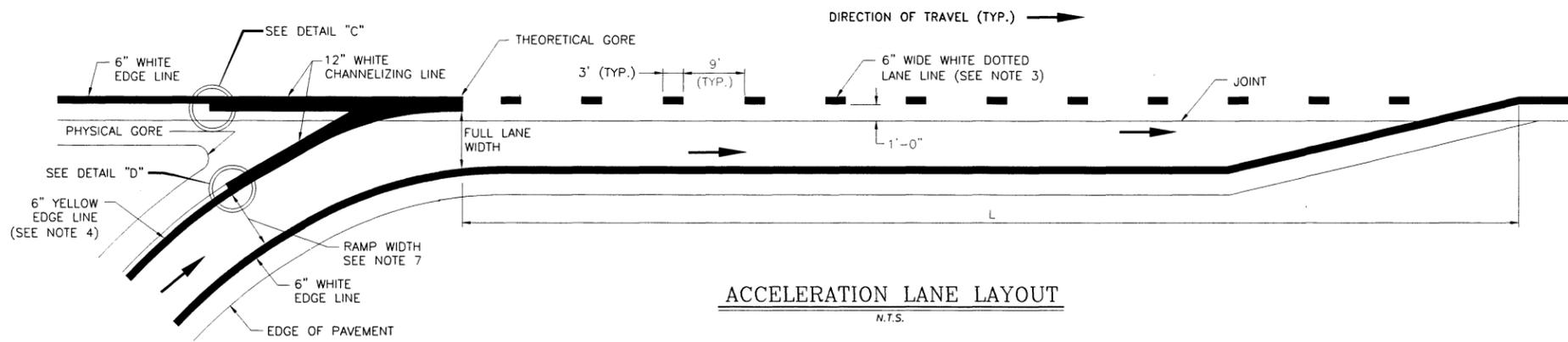
CHECKED BY: TA

DRAFTED BY: CAD

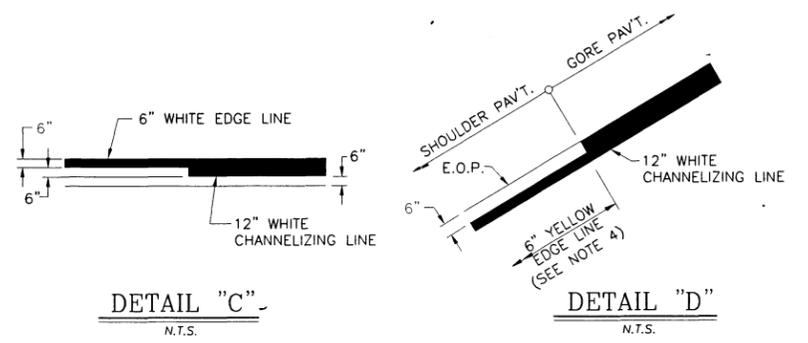
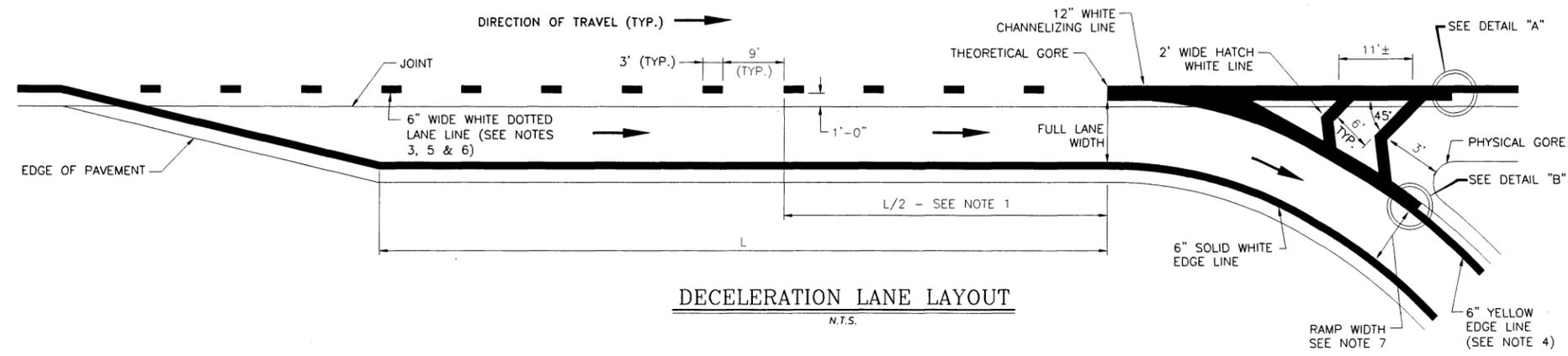
CHECKED BY: J. SHINSKI

DESIGNED BY: R. COURNOYER

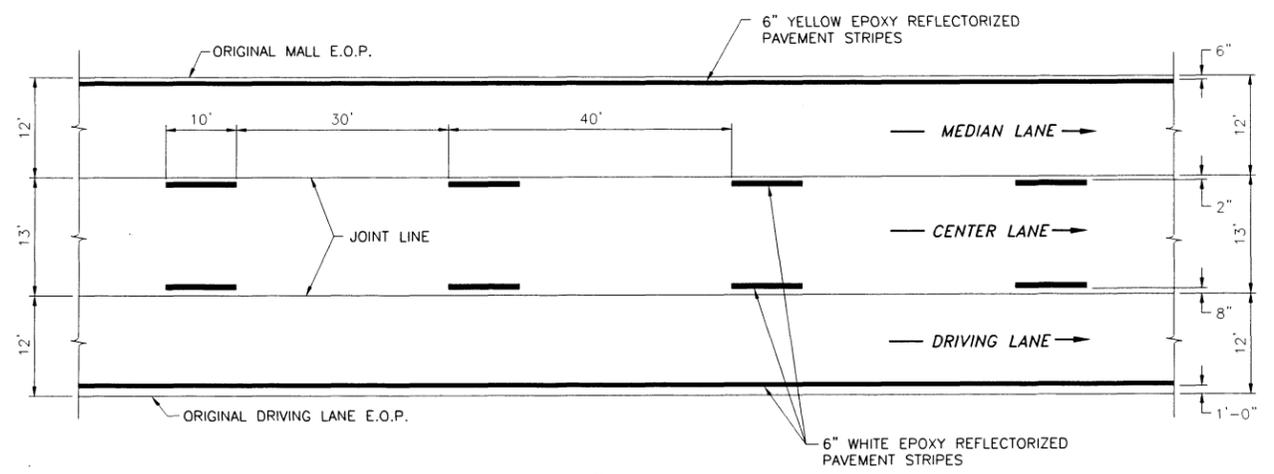
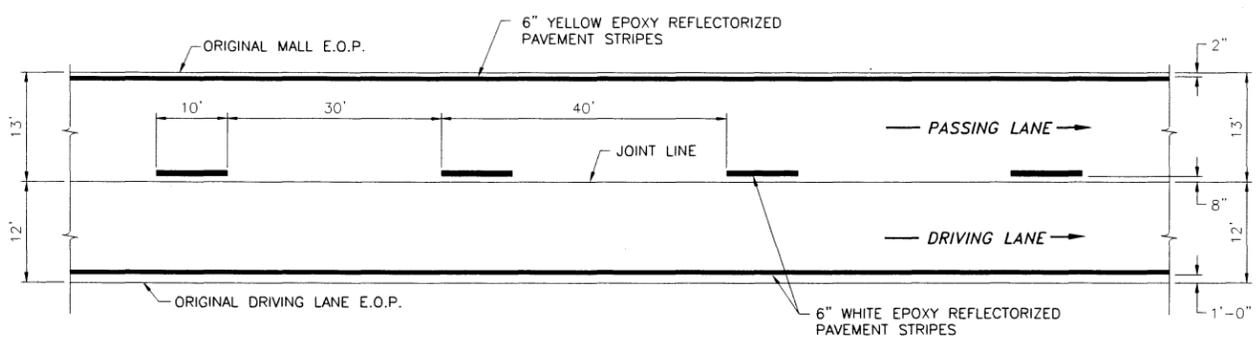
DESIGN SUPERVISOR: T. MAHAR



DECELERATION LANE DETAILS
N.T.S.



ACCELERATION LANE DETAILS
N.T.S.



TYPICAL PLAN REFLECTORIZED PAVEMENT MARKINGS - THREE LANE
N.T.S.

NOTES:

- WHEN THE CONTRACT DOES NOT INCLUDE REPAVING THE GORE, THE EXISTING STRIPING PATTERN IN THE DECELERATION RAMP GORE SHALL BE REPAINTED UNLESS OTHERWISE NOTED.
- WHEN THE CONTRACT PROVIDES FOR REPAVING OF THE DECELERATION LANE GORE, A "CHEVRON" PATTERN SHALL BE INSTALLED IN THE NEWLY PAVED GORE AS SHOWN IN THE "DECELERATION LANE LAYOUT".
- IF A PARTIAL BARRIER AND/OR SKIP LINES EXIST AT AN ACCELERATION OR DECELERATION LANE, THEY SHALL BE REMOVED AND THE LANE SHALL BE RESTRIPEDED AS SHOWN IN THE APPROPRIATE LANE LAYOUT.
- YELLOW EDGE LINE ON RAMP SHALL EXTEND TO ACTUAL PHYSICAL GORE. THE PHYSICAL GORE IS A POINT WHERE A PHYSICAL BARRIER (I.E. SIGN POST, ATTENUATOR, OR OTHER FIXED OBJECT) OR LACK OF A PAVED SURFACE INHIBITS ROAD USER FROM CROSSING A RAMP TO A TRAVEL LANE OR VICE VERSA.
- A 12" WIDE WHITE DOTTED LANE LINE SHALL BE USED AS A LANE DROP MARKING IN ADVANCE OF LANE DROPS AT EXIT RAMP TO DISTINGUISH A LANE DROP FROM A NORMAL EXIT RAMP.
- WHITE DOTTED LANE LINES USED IN ADVANCE OF LANE DROPS SHOULD BEGIN AT LEAST 1/2 MILE IN ADVANCE OF THE THEORETICAL GORE.
- WHEN STRIPES ARE REMOVED ON RAMP, THE CONTRACTOR SHALL NOTE THE EXISTING RAMP WIDTHS, STRIPE LOCATIONS AND REPLACE THE STRIPING IN THE SAME LOCATION UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS.

REVISIONS			
DATE	DESCRIPTION	BY	SYM



NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3

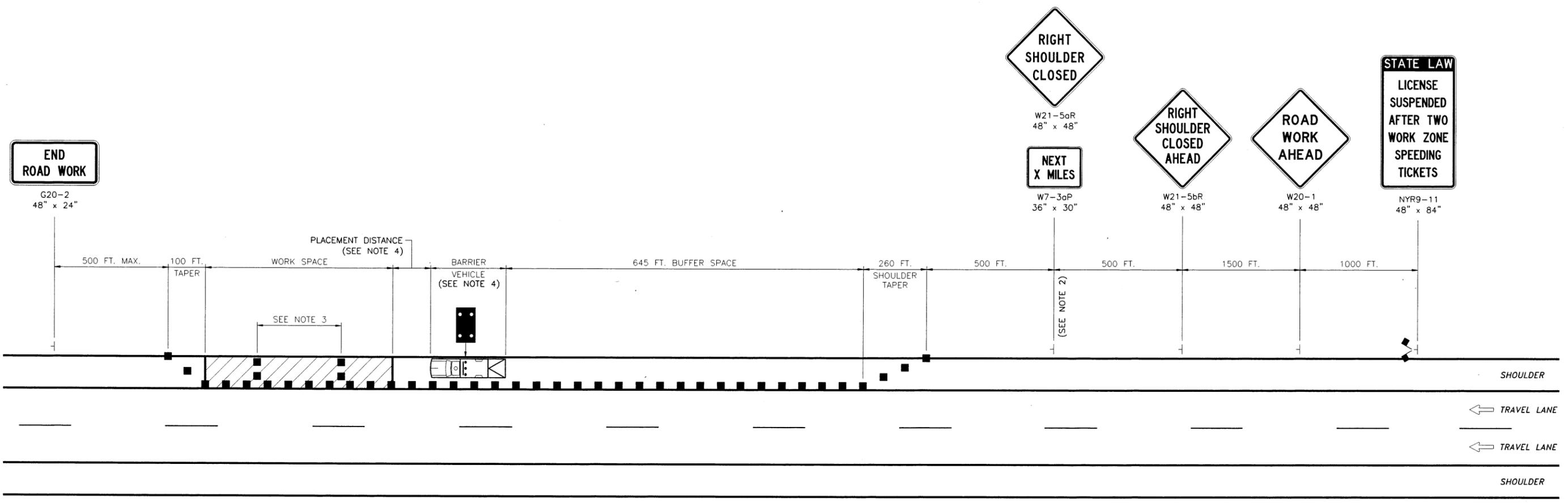
TITLE OF DRAWING
PAVEMENT STRIPING DETAILS (ASPHALT PAVEMENT)

CONTRACT NUMBER:
TAS 16-31

DATE:
11/14

DRAWING NUMBER:
PMA-1

SC.dgn
 CHECKED BY: TA
 DRAFTED BY: CAD
 CHECKED BY: J. SHINSKI
 DESIGNED BY: R. COURNOYER
 DESIGN SUPERVISOR: T. MAHAR



WORK ZONE TRAFFIC CONTROL PLAN
N.T.S.

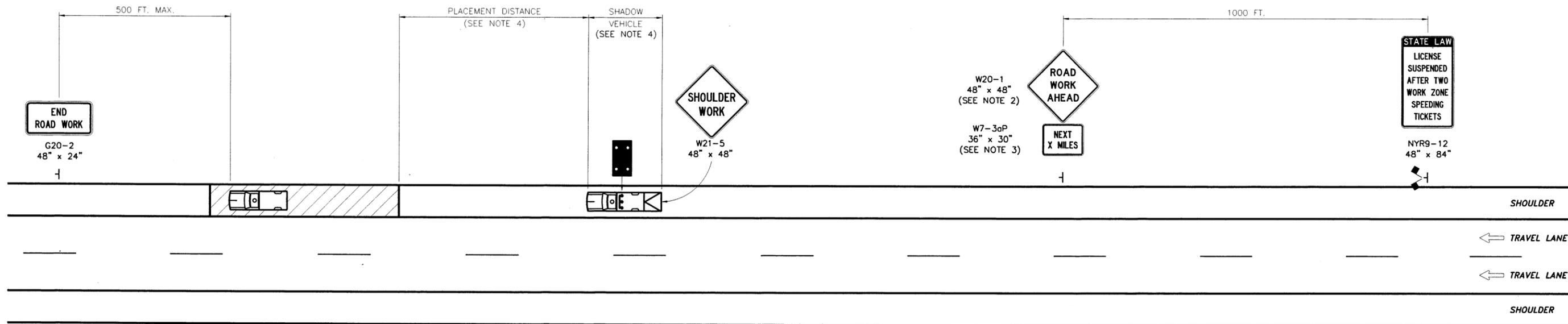
NOTES:

1. THE PLAN SHOWN IS FOR A SHORT- OR INTERMEDIATE-TERM STATIONARY RIGHT SHOULDER CLOSURE. FOR A SHORT- OR INTERMEDIATE-TERM STATIONARY LEFT SHOULDER CLOSURE, SUBSTITUTE "LEFT SHOULDER CLOSED AHEAD" SIGN (W21-5bL) FOR THE "RIGHT SHOULDER CLOSED AHEAD" SIGN (W21-5bR) AND "LEFT SHOULDER CLOSED" SIGN (W21-5aL) FOR THE "RIGHT SHOULDER CLOSED" SIGN (W21-5aR). THE SHORT- OR INTERMEDIATE-TERM STATIONARY LEFT SHOULDER CLOSURE PLAN SHALL BE THE MIRROR IMAGE OF THE PLAN SHOWN.
2. THE "NEXT X MILES" SUPPLEMENTAL SIGN (W7-3aP) IS REQUIRED WHEN THE SHOULDER IS CLOSED FOR A DISTANCE GREATER THAN 2 MILES.
3. IN LONG WORK SPACES (1500 FEET AND GREATER) ON PAVED SHOULDERS HAVING A WIDTH OF 8 FEET OR GREATER, TWO DRUMS, TWO TALL CONES, OR TWO OVERSIZED VERTICAL PANELS SHALL BE PLACED TRANSVERSELY ACROSS THE CLOSED SHOULDER AT MAXIMUM INTERVALS OF 800 FEET. IN ADDITION, TWO DRUMS, TWO TALL CONES, OR TWO OVERSIZED VERTICAL PANELS SHALL BE SIMILARLY PLACED IN ADVANCE OF ANY TRANSVERSE DROP-OFF OF 1 1/2 INCHES OR GREATER.
4. THE BARRIER VEHICLE SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 OF THE STANDARD SPECIFICATIONS. FOR BARRIER VEHICLE USE AND PLACEMENT REQUIREMENTS, SEE TABLES NY1-A AND NY2-A ON THE "WORK ZONE TRAFFIC CONTROL TABLES AND LEGEND" DRAWING. THE BARRIER VEHICLE SHALL BE LOCATED COMPLETELY ON THE SHOULDER.

REVISIONS			
DATE	DESCRIPTION	BY	SYM

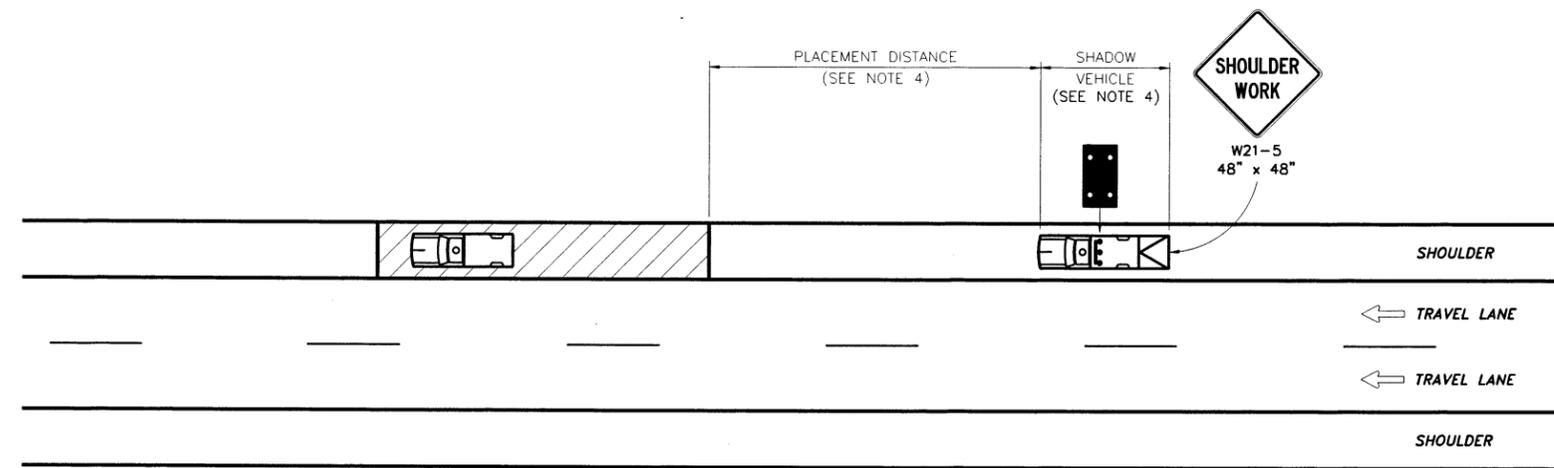


NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING 200 SOUTHERN BLVD., ALBANY, N.Y. 12209	TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
	LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 03/16
TITLE OF DRAWING SHOULDER CLOSURE (SHORT- OR INTERMEDIATE-TERM STATIONARY)		DRAWING NUMBER: SC



**SHORT-DURATION STATIONARY OR MOBILE SHOULDER CLOSURE
(MULTIPLE WORK LOCATIONS)**

N.T.S.



MOBILE OPERATION ON SHOULDER

N.T.S.

NOTES:

1. THE PLANS SHOWN ARE FOR SHORT-DURATION STATIONARY WORK OR MOBILE OPERATIONS ON THE RIGHT SHOULDER. THE LEFT SHOULDER PLANS SHALL BE THE MIRROR IMAGE OF THOSE SHOWN.
2. IN SITUATIONS WHERE MULTIPLE WORK LOCATIONS WITHIN A LIMITED DISTANCE MAKE IT PRACTICAL TO PLACE STATIONARY SIGNS, THE DISTANCE BETWEEN THE ADVANCE WARNING SIGN AND THE WORK SHALL NOT EXCEED 5 MILES.
3. IN SITUATIONS WHERE THE DISTANCE BETWEEN THE ADVANCE WARNING SIGNS AND THE WORK IS 2 MILES TO 5 MILES, THE "NEXT X MILES" SUPPLEMENTAL SIGN (W7-3oP) SHALL BE USED WITH THE "ROAD WORK AHEAD" SIGN (W20-1).
4. THE SHADOW VEHICLE SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 OF THE STANDARD SPECIFICATIONS. FOR SHADOW VEHICLE USE AND PLACEMENT REQUIREMENTS, SEE TABLES NY1-B AND NY2-B ON THE "WORK ZONE TRAFFIC CONTROL TABLES AND LEGEND" DRAWING. THE SHADOW VEHICLE SHALL BE LOCATED COMPLETELY ON THE SHOULDER.

REVISIONS			
DATE	DESCRIPTION	BY	SYM



NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK

LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3

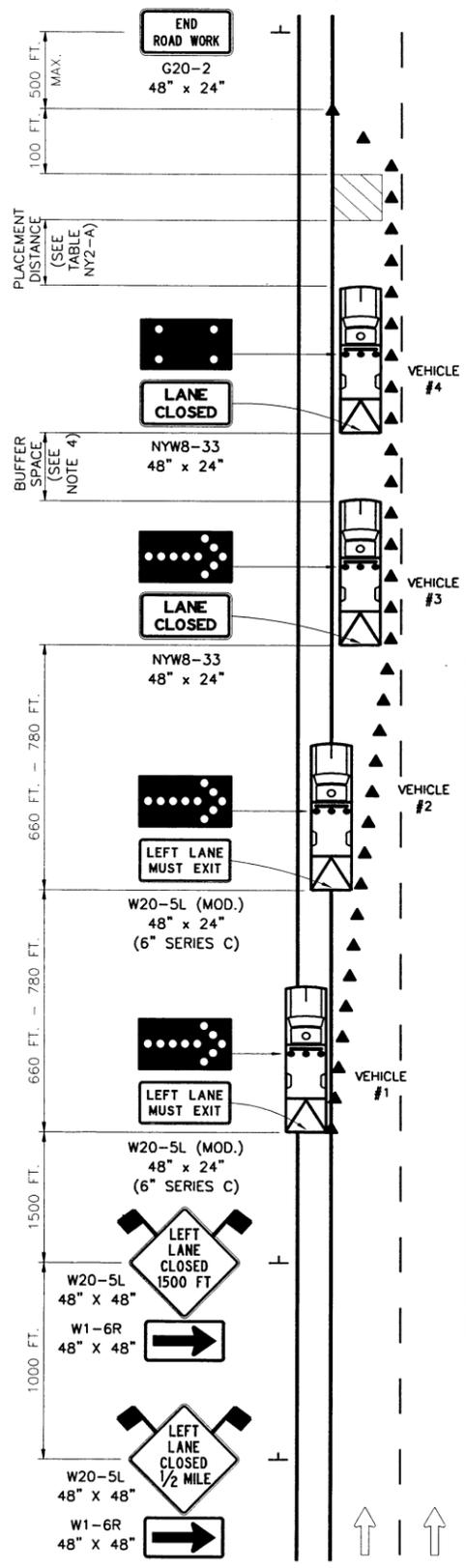
TITLE OF DRAWING
SHOULDER CLOSURE (SHORT-DURATION STATIONARY AND MOBILE)

CONTRACT NUMBER:
TAS 16-31

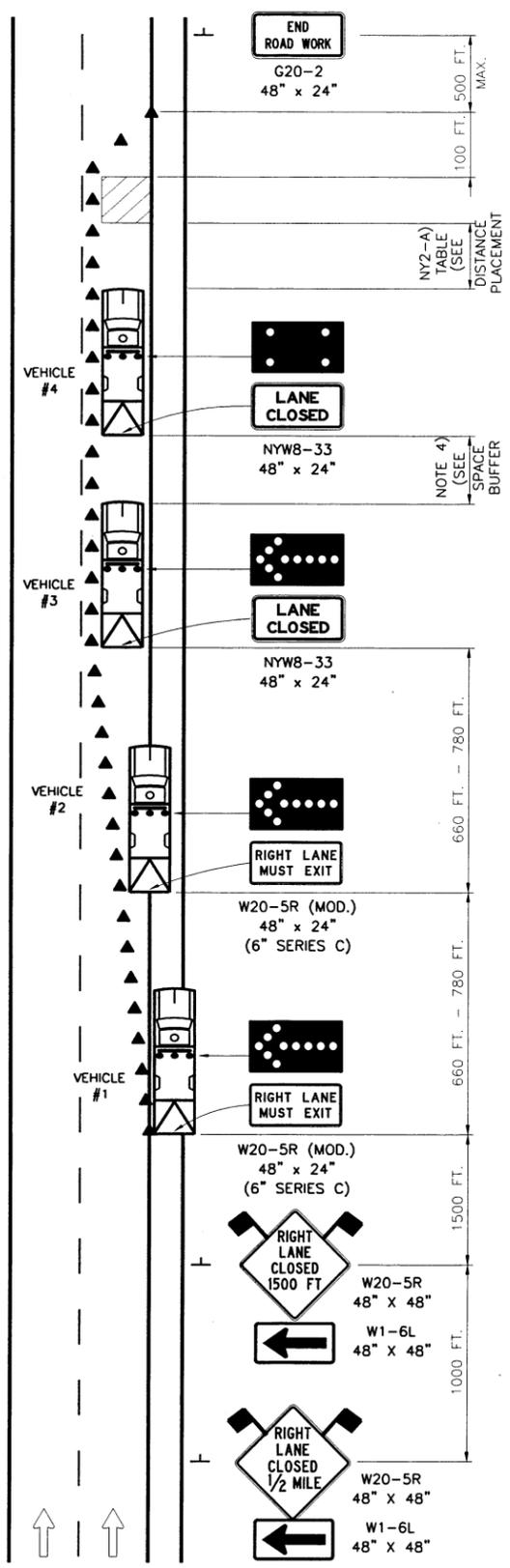
DATE:
02/13

DRAWING NUMBER:
SCM

SDLC.dgn
 CHECKED BY: TA
 DRAFTED BY: CAD
 CHECKED BY: J. SHINSKI
 DESIGNED BY: R. COURNOYER
 DESIGN SUPERVISOR: T. MAHAR



SHORT DURATION LEFT LANE CLOSURE
N.T.S.



SHORT DURATION RIGHT LANE CLOSURE
N.T.S.

GENERAL NOTES:

1. USE OF THESE PLANS SHALL BE LIMITED TO A WORK SPACE LENGTH OF 1/2 MILE OR LESS AND A DAYTIME WORK DURATION OF UP TO 2 HOURS, OR NIGHTTIME WORK DURATION UP TO 1 HOUR.
2. TRAILER-MOUNTED ARROW PANELS MAY BE SUBSTITUTED FOR VEHICLES #1, #2, AND #3. TOW VEHICLES SHALL NOT REMAIN ATTACHED TO TRAILER-MOUNTED ARROW PANELS.
3. FOR VEHICLE #1, THE ATTENUATOR IS OPTIONAL FOR DAYTIME OPERATIONS. FOR NIGHTTIME OPERATIONS, ALL VEHICLES, INCLUDING VEHICLE #1 ON THE SHOULDER, SHALL BE EQUIPPED WITH AN ATTENUATOR.
4. THE MINIMUM BUFFER SPACE LENGTH SHALL BE THE PLACEMENT DISTANCE REQUIRED FOR BARRIER VEHICLES (SEE TABLE NY2-A). THE LENGTH OF THE BUFFER SPACE SHALL BE EXTENDED, AS DETERMINED BY THE ENGINEER, TO ENSURE ADEQUATE SIGHT DISTANCE FOR VEHICLES APPROACHING THE LANE CLOSURE TAPER.

LEFT LANE CLOSURE NOTES:

1. WHERE THE LEFT LANE IS TO BE CLOSED, VEHICLE #1 IS TO BE LOCATED COMPLETELY ON THE LEFT SHOULDER, VEHICLE #2 STRADDLES THE LEFT SHOULDER AND THE LEFT LANE, AND VEHICLE #3 IS IN THE LEFT LANE.
2. FOR A LEFT LANE CLOSURE IN AN AREA WHERE THE USABLE LEFT SHOULDER/MEDIAN WIDTH IS LESS THAN 6 FEET, LEFT SIDE SIGNS SHALL BE MOUNTED ON THE MEDIAN BARRIER. IF THE TOTAL MEDIAN WIDTH IS LESS THAN 6 FEET, LEFT SIDE SIGNS IN ADVANCE OF THE LANE CLOSURE TAPER AND THE "END ROAD WORK" (G20-2) SIGN SHALL NOT BE REQUIRED.
3. FOR A LEFT LANE CLOSURE IN AN AREA WHERE THE USABLE LEFT SHOULDER/MEDIAN WIDTH IS LESS THAN 8 FEET, VEHICLE #1 IS AS FAR LEFT ON THE LEFT SHOULDER AS CONDITIONS PERMIT, VEHICLE #2 STRADDLES THE LEFT SHOULDER AND THE LEFT LANE, AND VEHICLE #3 IS IN THE LEFT LANE.
4. IN AREAS WHERE THERE IS LITTLE TO NO LEFT SHOULDER/MEDIAN WIDTH, VEHICLE #1 AND VEHICLE #2 SHALL BE IN THE LEFT LANE. FOR THESE SITUATIONS, CONSULT THE ENGINEER FOR APPROPRIATE TEMPORARY TRAFFIC CONTROL UPGRADES.

RIGHT LANE CLOSURE NOTES:

1. WHERE THE RIGHT LANE IS TO BE CLOSED, VEHICLE #1 IS TO BE LOCATED COMPLETELY ON THE RIGHT SHOULDER, VEHICLE #2 STRADDLES THE RIGHT SHOULDER AND THE RIGHT LANE, AND VEHICLE #3 IS IN THE RIGHT LANE.
2. FOR A RIGHT LANE CLOSURE IN AN AREA WHERE THE USABLE LEFT SHOULDER/MEDIAN WIDTH IS LESS THAN 6 FEET, LEFT SIDE SIGNS SHALL BE MOUNTED ON THE MEDIAN BARRIER. IF THE TOTAL MEDIAN WIDTH IS LESS THAN 6 FEET, LEFT SIDE SIGNS SHALL NOT BE REQUIRED.

LEGEND

▲ TALL TRAFFIC CONES
 ● 40 FT. SPACING ON TAPER AND TANGENT

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



NEW YORK STATE THRUWAY AUTHORITY
 DEPARTMENT OF ENGINEERING
 200 SOUTHERN BLVD., ALBANY, N.Y. 12209

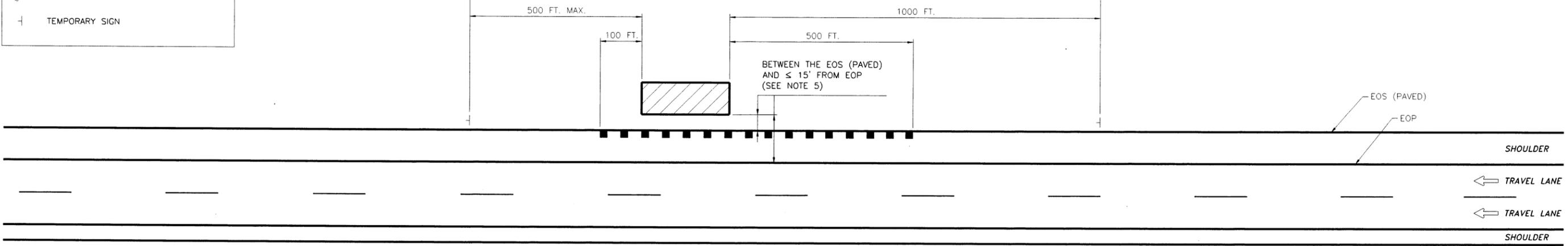
TITLE OF PROJECT 1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 02/13
TITLE OF DRAWING SHORT DURATION LANE CLOSURE	DRAWING NUMBER: SDLC

LEGEND

-  WORK SPACE
-  CHANNELIZING DEVICE
-  DIRECTION OF TRAFFIC
-  TEMPORARY SIGN

END ROAD WORK
G20-2
48" x 24"
SEE NOTE 3

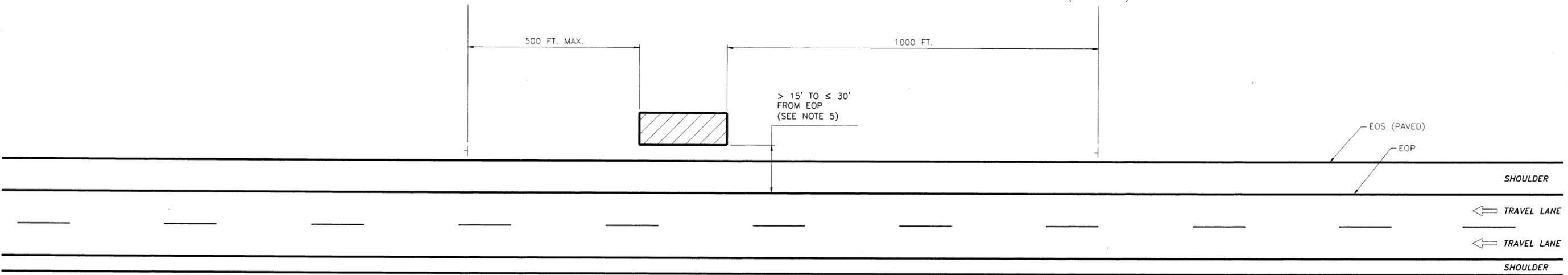
ROAD WORK AHEAD
W20-1
48" x 48"
(SEE NOTE 4)



OPTION A
WORK BEYOND SHOULDER
N.T.S.

END ROAD WORK
G20-2
48" x 24"
SEE NOTE 3

ROAD WORK AHEAD
W20-1
48" x 48"
(SEE NOTE 4)



OPTION B
WORK BEYOND SHOULDER
N.T.S.

NOTES:

1. THE PLAN SHOWN IS FOR STATIONARY WORK BEING PERFORMED OFF THE ROADWAY (BEYOND THE SHOULDER, BUT WITHIN THE R.O.W.). NO TRAFFIC CONTROL IS REQUIRED WHERE THE WORK SPACE IS BEHIND A BARRIER OR CONFINED TO AN AREA MORE THAN 30' FROM THE EDGE OF TRAVEL WAY.
2. WHEN THE WORK SPACE IS IN THE MEDIAN AND AN ADVANCE "ROAD WORK AHEAD" SIGN IS REQUIRED, THE SIGN SHALL BE PLACED ON THE LEFT SIDE OF THE DIRECTIONAL ROADWAY.
3. THE "END ROAD WORK" SIGN IS OPTIONAL IF THE WORK DURATION IS TWO HOURS OR LESS.
4. A "SHOULDER WORK" W21-5 (48" x 48") MAY BE SUBSTITUTED FOR THE "ROAD WORK AHEAD" SIGN.
5. DURING NON-WORKING HOURS, ALL EQUIPMENT AND MATERIALS SHALL BE STORED AT LEAST THIRTY (30) FEET FROM THE EDGE OF PAVEMENT (BOTH MAINLINE AND RAMPS) OR BE PROTECTED BY A PHYSICAL BARRIER AS APPROVED BY THE ENGINEER.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK
LOCATION OF PROJECT
**SYRACUSE DIVISION
MP 262.0 - MP 279.3**

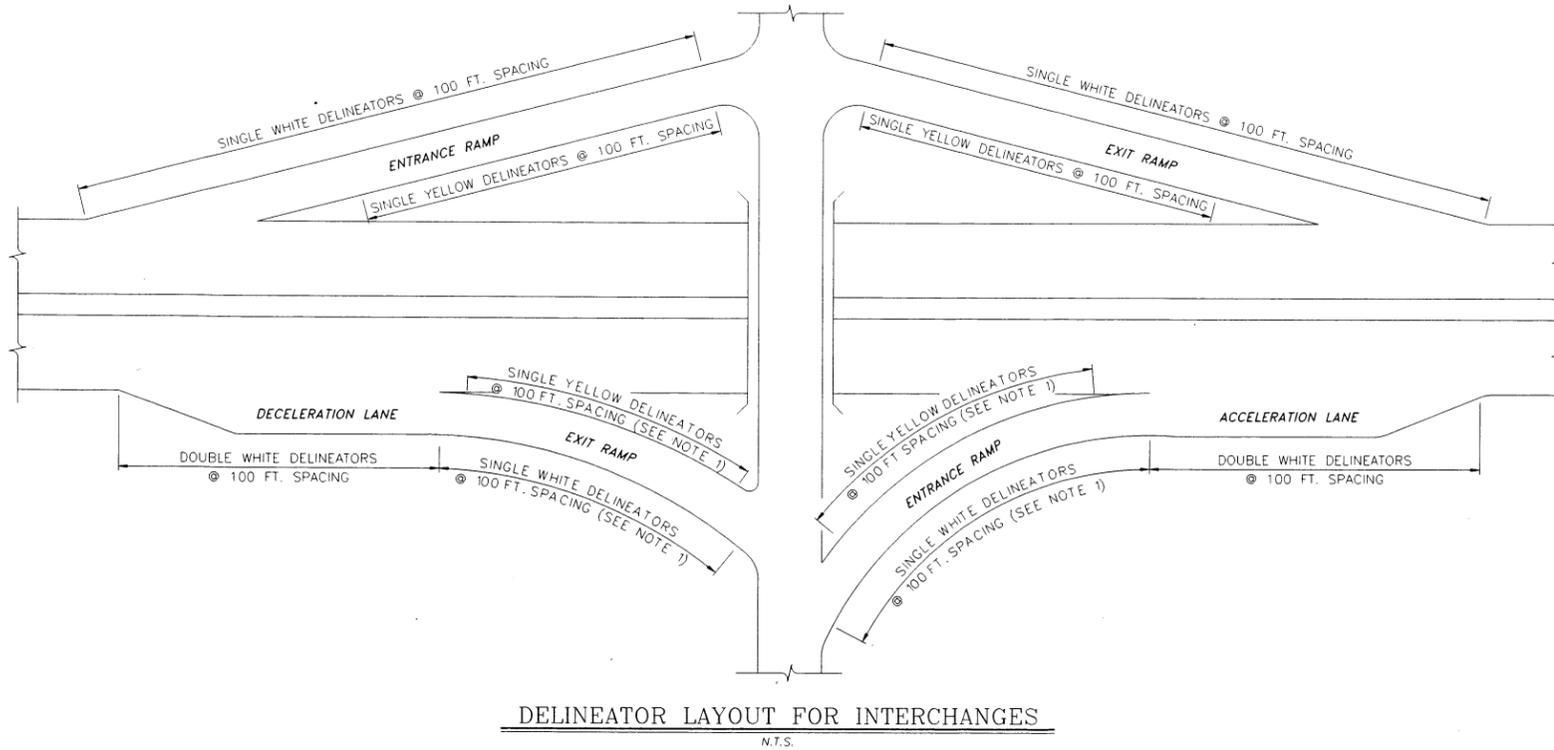
CONTRACT NUMBER:
TAS 16-31

DATE:
02/13

TITLE OF DRAWING
WORK BEYOND SHOULDER

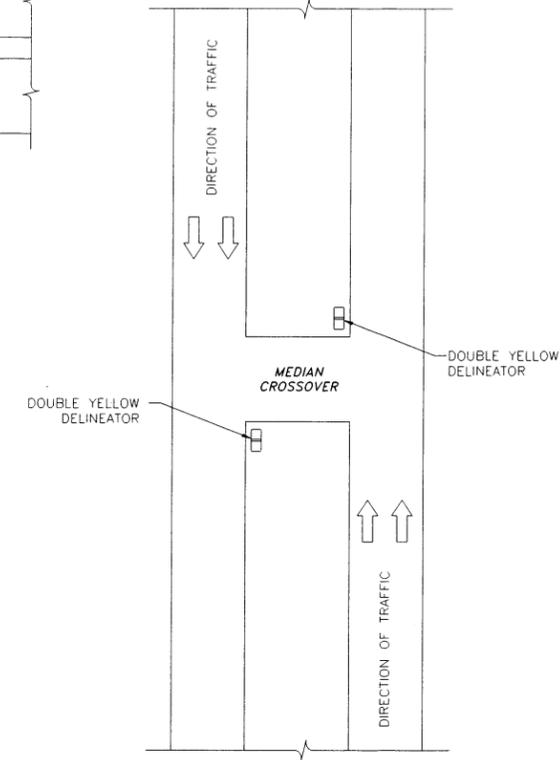
DRAWING NUMBER:
WBS

DESIGNED BY: R. COURNOYER
CHECKED BY: J. SHINSKI
DRAFTED BY: CAD
CHECKED BY: TA
DESIGN SUPERVISOR: T. MAHAR



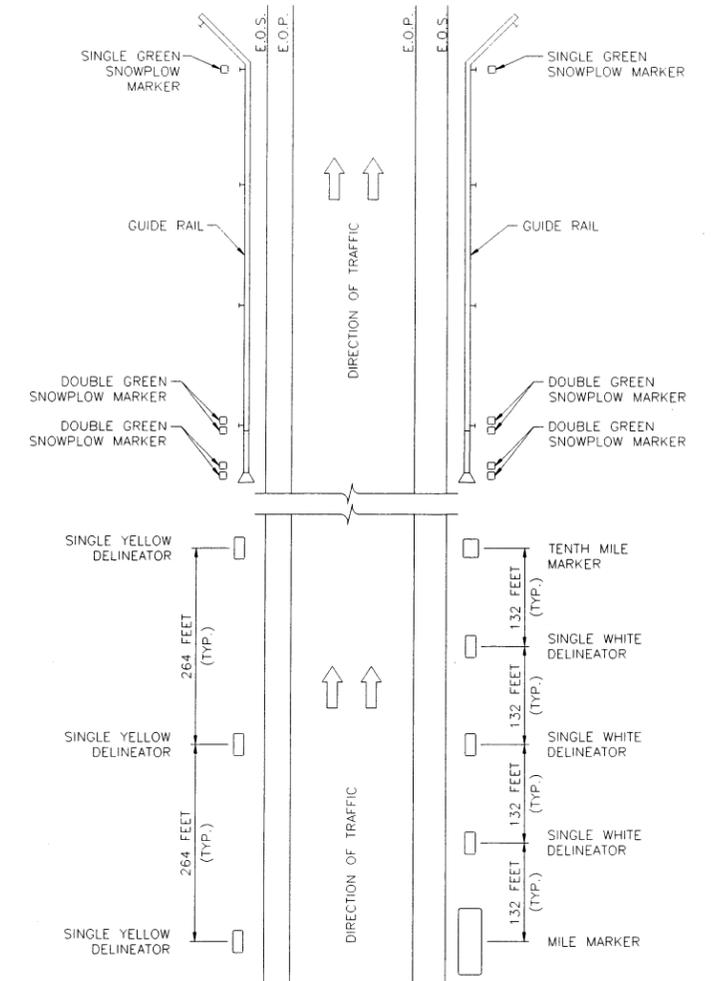
DELINEATOR LAYOUT FOR INTERCHANGES

N.T.S.



DELINEATOR LAYOUT MEDIAN CROSSOVERS

N.T.S.



MARKER AND DELINEATOR LAYOUT FOR THRUWAY MAINLINE

N.T.S.

NOTES:

1. THE TYPICAL SPACING OF DELINEATORS FOR INTERCHANGES IS 100 FEET. FOR LOCATIONS WHERE THE ROADWAY HAS A DEGREE OF CURVE OF 5 DEGREES OR MORE (OR A RADIUS OF CURVE OF 1000 FEET OR LESS), THE SPACING SHALL BE 50 FEET.
2. ON THRUWAY RAMP WHERE TWO-WAY TRAFFIC IS SEPARATED BY BARRIER (CONCRETE, CORRUGATED BEAM, ETC.), BACK-TO-BACK YELLOW DELINEATORS SHALL BE INSTALLED ALONG THE BARRIER AT A SPACING OF 50 FEET.
3. SOME EXISTING MARKERS AND DELINEATORS WITHIN THE PROJECT LIMITS MAY NOT BE IN THE CORRECT LOCATIONS. THE CONTRACTOR SHALL INCLUDE IN THE PRICE BID FOR EACH RESPECTIVE MARKER AND/OR DELINEATOR THE COST TO ACCURATELY DETERMINE THE EXACT LOCATION PRIOR TO INSTALLATION. OVERHEAD AND MAINLINE STRUCTURES SHALL BE USED AS FIXED REFERENCE GUIDES FOR THE INSTALLATION. THE ENGINEER SHALL APPROVE THE EXACT LOCATIONS PRIOR TO INSTALLATION. ANY COST FOR THIS LAYOUT WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE MARKERS AND/OR DELINEATORS.
4. WHERE AN EXISTING TENTH MILE MARKER FALLS WITHIN A LINE OF DOUBLE WHITE DELINEATORS, THE TENTH MILE MARKER SHALL REMAIN AT ITS PRESENT LOCATION.
5. POSTS, BANDS, BRACKETS, AND ALL NECESSARY HARDWARE ARE TO BE FURNISHED BY THE CONTRACTOR. DELINEATORS, MILE MARKERS, TENTH MILE MARKERS, AND SNOWPLOW MARKERS ARE TO BE FURNISHED BY THE AUTHORITY. THE DESIGN ENGINEER SHALL PROVIDE THE SIGN SHOP WITH REQUIREMENTS DURING PROJECT DESIGN AS WELL AS AN APPROXIMATE DATE WHEN NEEDED IN THE FIELD. DURING CONSTRUCTION, AT LEAST ONE MONTH PRIOR TO SCHEDULED INSTALLATION, THE ENGINEER-IN-CHARGE SHALL CONTACT THE SIGN SHOP TO CONFIRM THE DATE WHEN THE MATERIAL IS NEEDED IN THE FIELD. THE SIGN SHOP WILL PREPARE THE SHIPMENT AND ARRANGE FOR DIVISION HIGHWAY TO PICK UP THE DELINEATORS AND/OR MARKERS. THE CONTRACTOR SHALL THEN ARRANGE TO PICK UP THE DELINEATORS AND/OR MARKERS FROM DIVISION HIGHWAY. COSTS FOR PICKING UP THE DELINEATORS AND/OR MARKERS FROM DIVISION HIGHWAY ARE TO BE INCLUDED IN THE PRICE BID FOR EACH RESPECTIVE ITEM.
6. IDENTICAL MILE MARKERS FOR OPPOSITE DIRECTIONS OF TRAVEL SHALL BE LOCATED DIRECTLY ACROSS FROM EACH OTHER.
7. ON CURVES, DELINEATOR FACES SHALL BE ORIENTED TO PROVIDE OPTIMUM VISIBILITY AT NIGHT. EXACT ORIENTATION WILL VARY BASED UPON THE DEGREE OF CURVE.
8. DELINEATORS, MILE MARKERS, TENTH MILE MARKERS, AND SNOWPLOW MARKERS SHALL BE ATTACHED TO POSTS AND BRACKETS USING VANDAL RESISTANT FASTENERS. THE FASTENERS SHALL BE ALUMINUM ALLOY 6061-T6 OR 2024-T4.
9. BRACKETS SHALL BE ATTACHED TO GUIDE RAIL, BRIDGE RAIL, MEDIAN RAIL, AND MEDIAN BARRIER USING BOLTS, BLIND LOCK BOLTS, SELF-TAPPING SCREWS, EXPANDING ANCHOR BOLTS, ETC. MADE OF STAINLESS STEEL, GALVANIZED STEEL, OR ALUMINUM ALLOY 6061-T6 OR 2024-T4.
10. ALUMINUM HARDWARE OF 2024-T4 SHALL BE ALCLAD OR FINISHED WITH TYPE 206 FINISH IN ACCORDANCE WITH THE SPECIFICATIONS OF ALUMINUM ANODIC COATINGS.

DELINEATORS AND SNOWPLOWING MARKERS

11. ON ROADWAY SECTIONS WITHOUT GUIDE RAIL, RIGHT SIDE DELINEATORS SHALL BE INSTALLED 2'-0" OUTSIDE THE USABLE RIGHT SHOULDER AND LEFT SIDE DELINEATORS SHALL BE INSTALLED 2 TO 8 FEET FROM THE LEFT EDGE OF SHOULDER. (REFER TO TABLE ON DMM-1.) WHERE THERE IS A CHANGE IN SHOULDER WIDTH, THE TRANSITION IN DELINEATOR PLACEMENT SHALL BE MADE GRADUALLY.
12. ON ROADWAY SECTIONS HAVING GUIDE RAIL, DELINEATORS AND SNOWPLOW MARKERS SHALL BE INSTALLED IMMEDIATELY BEHIND THE GUIDE RAIL AND BEHIND THE FRONT FACE OF THE END TREATMENT. WHERE THERE IS A CHANGE IN THE GUIDE RAIL LATERAL OFFSET, THE TRANSITION IN DELINEATOR PLACEMENT SHALL BE MADE GRADUALLY.

POST ERECTION

13. POSTS MAY EITHER BE DRIVEN OR SET. POSTS SHALL BE ERECTED TO PROVIDE THE PROPER LOCATION, LINE AND GRADE, AND TRUE VERTICAL ALIGNMENT OF THE MARKERS AND/OR DELINEATORS.

14. FOR POSTS THAT ARE DRIVEN, HAND OR MECHANICAL DEVICES MAY BE USED. A SUITABLE DRIVING CAP SHALL ALSO BE USED TO PREVENT EXCESSIVE DAMAGE TO THE TOP OF THE POSTS. AFTER DRIVING, THE TOP OF THE POSTS SHALL HAVE SUBSTANTIALLY THE SAME CROSS-SECTIONAL DIMENSIONS AS THE BODY OF THE POSTS. NO BATTERED HEADS WILL BE ACCEPTED. POSTS THAT ARE BENT OR OTHERWISE DAMAGED TO THE EXTENT THAT, IN THE OPINION OF THE ENGINEER, THEY ARE UNFIT FOR USE IN THE FINISHED WORK SHALL BE REMOVED FROM THE SITE AND REPLACED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
15. FOR POSTS THAT ARE SET, HOLES SHALL BE DUG TO THE FULL EMBEDMENT DEPTH SHOWN ON THE PLANS. AFTER SETTING THE POSTS AT THE FULL EMBEDMENT DEPTH, THE HOLES SHALL BE BACKFILLED WITH SUITABLE MATERIAL PLACED IN LAYERS OF NOT MORE THAN 6 INCHES IN DEPTH. EACH LAYER SHALL BE THOROUGHLY COMPACTED. CARE SHALL BE TAKEN DURING COMPACTION TO PRESERVE THE ALIGNMENT OF THE POST.
16. WHEN SOUND ROCK IS ENCOUNTERED, POSTS SHALL BE FOUNDED A MINIMUM OF 12 INCHES INTO SOUND ROCK. COST SHALL BE INCLUDED IN THE APPROPRIATE MARKER OR DELINEATOR ITEM.
17. FOR POSTS THAT ARE INSTALLED IN PAVED AREAS, SODDED AREAS, SIDEWALKS, ETC., DISTURBED AREAS SHALL BE RESTORED IN-KIND.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
1R MILL & INLAY, WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK

LOCATION OF PROJECT
SYRACUSE DIVISION
MP 262.0 - MP 279.3

TITLE OF DRAWING
MILE MARKER, TENTH MILE MARKER, DELINEATOR, AND SNOWPLOW MARKER LAYOUT PLANS

CONTRACT NUMBER:
TAS 16-31

DATE:
02/13

DRAWING NUMBER:
DMM-2

File
 CHECKED BY: TA
 DRAFTED BY: TA
 CHECKED BY: TA
 DESIGNED BY: TA
 DESIGN SUPERVISOR: TA

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
201.07	CLEARING AND GRUBBING	ACRE	2.0
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	875.0
203.03	EMBANKMENT IN PLACE	CY	600.0
203.24000025	SHOULDER BACKUP MATERIAL	TON	3500.0
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF	1200.0
206.05	TEST PIT EXCAVATION	EA	10.0
209.1003	SEED AND MULCH - TEMPORARY	SY	2000.0
209.13	SILT FENCE-TEMPORARY	LF	600.0
304.12	SUBBASE COURSE, TYPE 2	CY	750.0
402.000013	PLANT PRODUCTION QUALITY ADJUSTMENT TO HMA ITEMS	QU	4014.0
402.00005218	PAVEMENT RIDE QUALITY ADJUSTMENT LEVEL 2	FQU	2768.0
402.06820318	6.3 F2 POLYMER MODIFIED HMA, 80 SERIES COMPACTION	TON	10500.0
402.126203	12.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION	TON	65000.0
402.258903	25 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	TON	4350.0
402.378903	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION	TON	420.0
407.0102	DILUTED TACK COAT	GAL	58000.0
407.0103	STRAIGHT TACK COAT	GAL	11000.0
418.760300	ASPHALT PAVEMENT JOINT ADHESIVE	LF	415000.0
490.15	PRODUCTION COLD MILL SURFACE PLANING OF BITUMINOUS CONCRETE	SY	760000.0
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY	5000.0
555.0105	CONCRETE FOR STRUCTURES, CLASS A	CY	2.0
606.10	BOX BEAM GUIDE RAILING	LF	1692.0
606.100002	BOX BEAM GUIDE RAILING (SHOP BENT OR SHOP MITERED)	LF	288.0
606.11	BOX BEAM MEDIAN BARRIER	LF	504.0
606.120101	BOX BEAM END PIECE	EA	8.0
606.1203	BOX BEAM END ASSEMBLY, TYPE III	EA	12.0
606.1403	BOX BEAM MEDIAN BARRIER END ASSEMBLY TYPE C	EA	11.0
606.17	CORRUGATED BEAM MEDIAN BARRIER	LF	150.0
606.18	MODIFIED G2 WEAK-POST, CORRUGATED BEAM GUIDE RAIL	LF	1562.5

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA	3.0
606.24	ANCHORAGE UNITS FOR CORRUGATED BEAM MEDIAN BARRIER	EA	2.0
606.2801	HPBO (MOD.) CORRUGATED BEAM MEDIAN BARRIER	LF	100.0
606.3042	SINGLE-SLOPE CONCRETE MEDIAN BARRIER (PRECAST)	LF	840.0
606.3062	SINGLE-SLOPE CONCRETE HALF SECTION BARRIER (PRECAST)	LF	860.0
606.52	RESETTING CORRUGATED BEAM MEDIAN BARRIER	LF	187.5
606.5601	RESETTING HEAVY POST BLOCKED-OUT CORRUGATED BEAM MEDIAN BARRIER (NEW 12 IN BLOCKOUTS)	LF	50.0
606.5920	RESETTING BOX BEAM GUIDE RAILING END ASSEMBLY	EA	1.0
606.59200125	RESETTING END TERMINALS FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA	2.0
606.69200125	REMOVING AND STORING END TERMINAL FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA	3.0
606.71	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	LF	1868.5
606.72	REMOVING AND DISPOSING CORRUGATED BEAM MEDIAN BARRIER	LF	575.0
606.7201	REMOVE AND DISPOSE HPBO (MOD) CORRUGATED BEAM MEDIAN BARRIER	LF	462.5
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF	2718.0
606.74	REMOVING AND DISPOSING BOX BEAM MEDIAN BARRIER	LF	504.0
606.75	REMOVING AND DISPOSING CONCRETE BARRIER	LF	1060.0
606.7910	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA	7.0
606.7920	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING END ASSEMBLY	EA	3.0
606.79200125	REMOVE AND DISPOSE END TERMINAL FOR BOX BEAM GUIDE RAIL AND MEDIAN BARRIER	EA	24.0
606.7930	REMOVING AND DISPOSING BOX BEAM MEDIAN BARRIER END ASSEMBLY - TYPE A	EA	2.0
606.7946	REMOVE AND DISPOSE ANCHORAGE UNIT FOR HPBO (MOD) CORRUGATED BEAM MEDIAN BARRIER	EA	1.0
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA	13.0
606.8805	TRANSITION BETWEEN BOX BEAM MEDIAN BARRIER AND SINGLE SLOPE CONCRETE MEDIAN BARRIER	EA	7.0
606.8905	TRANSITION - HPBO (MOD) CORRUGATED BEAM MEDIAN BARRIER TO WEAK POST CORRUGATED MEDIAN BARRIER	EA	1.0
606.8906	TRANSITION - HPBO (MOD) CORRUGATED BEAM MEDIAN BARRIER TO SINGLE SLOPE CONCRETE MEDIAN BARRIER	EA	4.0
606.92010125	REPLACE GUIDE RAIL SPLICE BOLTS	EA	592.0
606.93010125	ADJUST HEAVY POST BLOCKED-OUT (HPBO) CORRUGATED BEAM GUIDE RAILING	LF	857.5
610.1401	TOPSOIL - REUSE ON-SITE MATERIALS	CY	150.0
610.1402	TOPSOIL - ROADSIDE	CY	50.0

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT 1R MILL & INLAY WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 10/6/16
TITLE OF DRAWING ESTIMATE OF QUANTITIES	DRAWING NUMBER: EQQ-1

File
CHECKED BY: TA
DRAFTED BY: TA
CHECKED BY: TA
DESIGNED BY: TA
DESIGN SUPERVISOR: TA

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
614.060202	TREE REMOVAL OVER 6 INCHES -12 INCHES AT BREAST HEIGHT, STUMPS CUT FLUSH	EA	3.0
614.060302	TREE REMOVAL OVER 12 INCHES -18 INCHES AT BREAST HEIGHT, STUMPS CUT FLUSH	EA	6.0
614.060402	TREE REMOVAL OVER 18 INCHES -24 INCHES AT BREAST HEIGHT, STUMPS CUT FLUSH	EA	6.0
614.060502	TREE REMOVAL OVER-24 INCH TO 36 INCH AT BREAST HEIGHT STUMP CUT FLUSH	EA	1.0
619.0101	BASIC WORK ZONE TRAFFIC CONTROL (DAILY OPERATIONS)	LS	1.0
619.0901	TEMPORARY PAVEMENT MARKINGS STRIPES (TRAFFIC PAINT)	LF	110000.0
619.110512	PORTABLE, VARIABLE MESSAGE SIGN (PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONAL EQUIPMENT SPEC, CELLULAR COLUMN	EA	4.0
619.24	NIGHTTIME OPERATIONS	LS	1.0
619.96 25	SPEED DISPLAY TRAILER	EA	1.0
621.05	CLEAN, GRADE AND SHAPE EXISTING ROADSIDE SECTION	LF	100.0
621.05020004	PREPARING GRADE FOR VEGETATION CONTROL STRIP	LF	720.0
625.01	SURVEY OPERATIONS	LS	1.0
627.5014 08	CUTTING PAVEMENT	LF	13000.0
633.13	CLEANING, SEALING AND/OR FILLING JOINTS	LF	1000.0
635.04030225	RECESS DIAMOND GRINDING FOR INLAID PAVEMENT MARKINGS	LF	412000.0
637.12 25	ENGINEERS FIELD OFFICE -TYPE 2	MNTH	12.0
645.45960025	WRONG WAY DETERRENCE SIGN WITH MOUNTING-AC POWERED	EA	3.0
645.45970025	WRONG WAY DETERRENCE SIGN WITH MOUNTING-SOLAR POWERED	EA	1.0
645.45980025	SIGN COMMISSIONING	EA	4.0
645.830202	TYPE B SIGN POST, GALVANIZED, W150X13.5 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA	8.0
646.0603 25	INSTALL DELINEATOR OR TENTH MILE MARKER ON POST	EA	274.0
646.0626 25	INSTALL MILE MARKERS	EA	22.0
646.0801 25	INSTALL SNOWPLOW MARKER, SINGLE UNIT	EA	8.0
646.0802 25	INSTALL SNOWPLOW MARKER, DOUBLE UNIT	EA	20.0
646.50 25	REMOVE AND DISPOSE OF DELINEATORS AND MARKERS	EA	324.0
647.52	REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE II (30-100 SQUARE FT)	EA	1.0
649.2504 25	SHOULDER TREATMENT FOR ACCIDENT REDUCTION (STAR)	LF	366000.0
650.1006	TRENCHLESS INSTALLATION OF CASING UNDER HIGHWAY	LF	65.0
662.74125325	HDPE INNERDUCT (1 1/4IN)	LF	2100.0

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
665.68000612	NO. 6 AWG WIRE	LF	2500.0
665.68001212	NO. 12 AWG WIRE	LF	900.0
680.5109 25	PULLBOX - B	EA	3.0
680.520103	CONDUIT, METAL STEEL, ZINC COATED, 1"	LF	110.0
680.52080325	1 NPS CONDUIT, FLEXIBLE, LIQUID TIGHT PVC	LF	450.0
680.54	INDUCTANCE LOOP INSTALLATION	LF	560.0
680.72	INDUCTANCE LOOP WIRE	LF	2800.0
685.1106 25	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES 6" X 20 MILS	LF	20000.0
685.1206 25	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES 6" X 20 MILS	LF	10000.0
685.1707 25	WHITE HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES 6 INCH WIDTH X 20 MILS	LF	230000.0
685.1708 25	YELLOW HIGHLY REFLECTORIZED TRIPLE DROP EPOXY PAVEMENT STRIPES 6 INCH WIDTH X 20 MILS	LF	183000.0
697.0203 25	FIELD CHANGE ORDER (THRUWAY)	DC	500000.0
698.04	ASPHALT PRICE ADJUSTMENT	DC	67500.0
698.05	FUEL PRICE ADJUSTMENT	DC	28000.0
699.04 25	MOBILIZATION	LS	1.0

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 Thruway Authority Canal Corporation	TITLE OF PROJECT 1R MILL & INLAY WITH SAFETY IMPROVEMENTS & MISCELLANEOUS WORK	CONTRACT NUMBER: TAS 16-31
	LOCATION OF PROJECT SYRACUSE DIVISION MP 262.0 - MP 279.3	DATE: 10/6/16
	TITLE OF DRAWING ESTIMATE OF QUANTITIES	DRAWING NUMBER: EQQ-2