



ALBANY DIVISION

PLANS FOR

SCOUR REPAIRS

OF

I-90 OVER RESERVOIR ROAD AND CREEK AT MP 165.10 (BIN 5513750)

I-90 OVER TERWILLEGER CREEK AT MP 171.31 (BIN 5515800)

I-90 OVER SOUTH CHUCTANUNDA CREEK AT MP 174.71 (BIN 5515830)

I-90 OVER AURIES CREEK AT MP 179.76 (BIN 5515870)

I-90 OVER VAN WIE CREEK AT MP 185.93 (BIN 5515900)

IN

MONTGOMERY AND SCHENECTADY COUNTIES

TAA 24-6B D214960

31 SHEETS



TYPE OF CONSTRUCTION:  
SCOUR AND EROSION REPAIRS, AND MISCELLANEOUS CONCRETE REPAIRS.

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

THE LATEST REVISIONS OF THE NYSTA STANDARD SHEETS MAINTAINED BY THE AUTHORITY, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) LISTED ON DWG. SS-01 UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS

BRIDGE MAINTENANCE GUIDELINES  
UPON COMPLETION OF THIS PROJECT, THE BRIDGE STRUCTURES REPAIRED, REHABILITATED OR RECONSTRUCTED HEREUNDER SHALL BE MAINTAINED IN ACCORDANCE WITH THE CURRENT AASHTO MANUAL FOR BRIDGE MAINTENANCE, AND THE NEW YORK STATE THRUWAY AUTHORITY MAINTENANCE DIRECTIVES:  
BRIDGE MANAGEMENT PROGRAM MD 05-16, BRIDGE MANAGEMENT ACTIVITIES MD 05-3, AND BRIDGE INSPECTION PROGRAM MD 95-5.  
SPECIAL MAINTENANCE REQUIREMENTS: NONE

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

MAINTENANCE JURISDICTION  
100% AUTHORITY  
ALL BRIDGE AND APPROACH ELEMENTS.

UDIG NEW YORK  
UNDERGROUND FACILITIES PROTECTION ORGANIZATION  
CALL 811

PREPARED AND RECOMMENDED BY:  
*Daniel Levine* DATE 11/15/2023  
PARSONS CORPORATION  
DANIEL LEVINE, P.E.  
NYS LICENSE NUMBER: 097330

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

RECOMMENDED BY: *[Signature]* 11/30/23  
DIRECTOR, OFFICE OF DESIGN DATE

RECOMMENDED BY: *[Signature]* 12/1/23  
DIVISION DIRECTOR DATE

RECOMMENDED BY: *[Signature]* 12/1/23  
TRAFFIC ENGINEER DATE

RECOMMENDED BY: *[Signature]* 12/11/2023  
DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT DATE

RECOMMENDED BY: *[Signature]*  
DIRECTOR OF MAINTENANCE AND OPERATIONS DATE

APPROVED BY: *[Signature]* 12/1/23  
CHIEF ENGINEER DATE

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



CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

CHECKED BY: M. SAVINO

DESIGNED BY: M. TANG

DESIGN SUPERVISOR: M. LAISTNER

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
	<b>BRIDGE</b>			LAWA	AREA, WOODED AREA OUTLINE		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN		TWZPMRC_P	PAVEMENT MARKING REMOVAL OR COVERING
	BR	RAIL		LAW	AREA, WATERS EDGE		RGC	GUIDE RAIL, CABLE	<b>UTILITIES</b>		
	BSHT	SHEET PILING		LCUT_P	CUT LIMIT		RCCB	GUIDE RAIL, CONCRETE BARRIER	<b>STYLE</b>	<b>NAME</b>	<b>DESCRIPTION</b>
<b>CONTROL</b>				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
<b>DRAINAGE</b>				LTRD	TREE ROW, DECIDUOUS		RPB	PARKING BUMPER		UE	ELECTRIC LINE, UNDERGROUND
	DCP	CULVERT PIPE		LWR	WALL, H PILE		RRC	RAIL ROAD, CATENARY		UEH	ELECTRIC LINE, HANGING
	DCP_P	CULVERT PIPE (DIR)		LWS	WALL, STONE		RRER	RAIL ROAD, 3RD RAIL		UEO	ELECTRIC LINE, OVERHEAD
	DDG_P	DITCH, GRASS LINED	<b>ROW MAPPING</b>				RRPLS_P	RAIL, PHOTO, LARGE SCALE		UETO	ELECTRIC TRANSMISSION, OVERHEAD
	DDP_P	DITCH, PAVED INVERT		MDL	DEED LINE		RRPSS	RAIL, PHOTO, SMALL SCALE		UESS	ELECTRIC, SUBSTATIONS
	DDS_P	DITCH, STONE LINED		PE	EASEMENT, EXISTING		RRS	RUMBLE STRIP		UFO	FIBER OPTIC, UNDERGROUND
	DFL_P	FLOW LINE		MEP_P	EASEMENT, PERMANENT		RRSLS_P	RAIL, SURVEY, LARGE SCALE		UFOH	FIBER OPTIC, HANGING
	DSSD	SLOTTED DRAIN		MEPA_P	EASEMENT, PERMANENT, APPROX.		RRSSS	RAIL, SURVEY, SMALL SCALE		UFOO	FIBER OPTIC, OVERHEAD
	DUD_P	UNDERDRAIN		MET_P	EASEMENT, TEMPORARY	<b>SIGNS</b>				UG	GAS, UNDERGROUND
<b>ENVIRONMENTAL</b>				META_P	EASEMENT, TEMPORARY, APPROX.		SBLB	BILLBOARDS		UGH	GAS, HANGING
	ECT	CURTAIN, TURBIDITY		MF_P	FEE ACQUISITION, W/ ACCESS		SM	MULTIPLE POST		UGO	GAS, OVERHEAD
	EDMC	DAM, COFFER		MFA_P	FEE ACQUISITION, APPROXIMATE		SSO	STRUCTURE, OVERHEAD		UIC	INFORM CABLE, UNDERGROUND
	EDMEC_P	DAM, EARTHEN CHECK		MFS_P	FEE ACQUISITION, SHAPE		SSOC	STRUCTURE, OVHD. CANTILEVER		UICH	INFORM CABLE, HANGING
	EDMGSC_P	DAM, GRAVEL BAG/SAND BAG CHECK		MFWOA_P	FEE ACQUISITION, W/O ACCESS	<b>STRIPING</b>				UO	OIL LINE, UNDERGROUND
	EDMPC_P	DAM, PREFABRICATED CHECK		MHA	HISTORICAL, ACQUISITION		STB*	BROKEN LINE		UOH	OIL LINE, HANGING
	EDMSC_P	DAM, STONE CHECK		MHB	HIGHWAY BOUNDARY		STDB*	DOUBLE BROKEN LINE		UPBP	POLE, BRACE, PUSH BRACE
	EFNS	FENCE, SILT		MHBA	HIGHWAY BOUNDARY, APPROX.		STDL*	DOTTED LINE LONG		UPGW	POLE, GUY WIRE
	EFNSV	FENCE, SILT & VEGETATION		MHBW	HWY BOUNDARY, FACE OF WALL		STDS*	DOTTED LINE SHORT		USA	SANITARY SEWER, UNDERGROUND
	EFNV	FENCE, VEGETATION		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STFB*	FULL BARRIER LINE		USAH	SANITARY SEWER, HANGING
	ESFL	FILTER, SEDIMENT LOG		MJC	JURISDICTION, CITY		STH*	HATCH LINE		USAF	SANITARY SEWER, FORCE MAIN, UGND
	EWAA_P	WETLAND, ADJACENT AREA		MJCY	JURISDICTION, COUNTY		STPB*	PARTIAL BARRIER LINE		USAFH	SANITARY SEWER, FORCE MAIN, HANG
	EWF	WETLAND, FEDERAL		MJHD	JURISDICTION, HISTORIC DISTRICT		STRCT	ROUNDAOBT, CAT TRACKS		UT	TELEPHONE, UNDERGROUND
	EWF	WETLAND, FEDERAL AND STATE		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STRYL	ROUNDAOBT, YIELD LINE		UTH	TELEPHONE, HANGING
	EWF	WETLAND, FEDERAL AND STATE		MJN	JURISDICTION, NATION		STSE*	SOLID, EDGE		UTO	TELEPHONE, OVERHEAD
	EWF	WETLAND, FEDERAL AND STATE		MJPB	JURISDICTION, PUBLIC LANDS		STX	X WALK, LADDER LINE		UTV	CABLE TV, UNDERGROUND
	EWF	WETLAND, FEDERAL AND STATE		MJS	JURISDICTION, STATE		STXLB	X WALK, LADDER BAR LINE		UTVH	CABLE TV, HANGING
	EWF	WETLAND, FEDERAL AND STATE		MJT	JURISDICTION, TOWN	<b>TRAFFIC CONTROL</b>				UTVO	CABLE TV, OVERHEAD
	EWF	WETLAND, FEDERAL AND STATE		MJV	JURISDICTION, VILLAGE		TCSW	SIGNAL, SPAN WIRE		UW	WATER LINE, UNDERGROUND
	EWF	WETLAND, FEDERAL AND STATE		MPL	PROPERTY LOT LINE	* = W (WHITE) OR Y (YELLOW)				UWH	WATER LINE, HANGING
	EWF	WETLAND, FEDERAL AND STATE		MPLA	PROPERTY LOT LINE, APPROXIMATE					UWO	WATER LINE, OVERHEAD
	EWF	WETLAND, FEDERAL AND STATE		MSL	SUB LOT LINE						

- THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
- FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
- FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
- 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).
- 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.
- FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.

**Thruway Authority**

TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING LEGEND - LINE SYMBOLOGY	DRAWING NUMBER: LEG-01



CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

DESIGNED BY: M. LASTNER

ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			UTILITIES		
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION
⊕	ACC	CENTER OF CURVATURE	+	DINV	INVERT	⊕	IANT_P	ANTENNAS	⊕	MDL1P	DEED LINE, TYPE 1	⊕	S	SINGLE POST	⊕	UEB	ELECTRIC, BOX
+	ACOGO	COGO	▭	DS	STRUCTURE, RECTANGULAR	⊕	IASCTS	ACCOU. SPEED/COUNT SNSR.S	⊕	MDL2P	DEED LINE, TYPE 2	⊕	S.P	SINGLE POST, PROPOSED	⊕	UEM	ELECTRIC, METER
⊙	ACS	CURVE TO SPIRAL	+	DSI	STRUCTURE, INVERT	⊕	ICABPAD	CABINET & PAD	⊕	MDL3P	DEED LINE, TYPE 3	⊕	SB.P	BACK TO BACK, PROPOSED	⊕	UEMH	ELECTRIC, MANHOLE
△	ADPL_P	DETOUR, POINT OF INTERSECT.	⊕	DSM	STRUCTURE, MANHOLE	⊕	ICCTV	CCTV SITE	⊕	MDL4P	DEED LINE, TYPE 4	⊕	SDEL	DELINEATORS	⊕	UEPT	ELECTRIC, POLE, TRANS.
⊙	ADPL_P	DETOUR, POINT ON LINE	⊕	DSMTXX_P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96	⊕	ICDPD	CDPD TRANSCEIVER	⊕	MDL5P	DEED LINE, TYPE 5	⊕	SPM	PARKING METER	⊕	UGM	GAS, METER
⊙	AEQN	EQUATION	⊕	DSR	STRUCTURE, ROUND	⊕	ICELLT	CELL PHONE TOWER	⊕	MEEP	EASEMENT, EXISTING	⊕	SRM	REFERENCE MARKERS	⊕	UGMH	GAS, MANHOLE
⊕	AEQNAHD	EQUATION AHEAD	⊕	DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊕	ICJB	CONDUIT JACK OR BORING	⊕	MEPAP_P	EASEMENT, PERM., APPROX.	⊕	SRSC3	SHLD, CTY, 123 DIG.	⊕	UGLM	GAS, LINE MARKER
⊕	AEQNBK	EQUATION BACK	⊕	DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊕	ICNTLCAB	CONTROLLER CABINET	⊕	MEPP_P	EASEMENT, PERM., BACK LINE	⊕	SRSC4	SHLD, CTY, 4 DIG.	⊕	UGP	GAS/FUEL PUMP
⊕	AEVT	EVENT STATION	⊕	DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊕	ICPB	COMMUNICATION PULL BOX	⊕	MEPSP_P	EASEMENT, PERM., SHAPE	⊕	SRSC2	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.	⊕	SRSC4	SHLD, CTY TOUR, 3-4 DIG.	⊕	UGVT	GAS, VENT
⊕	APCC	POINT OF COMPOUND CURVATURE	⊕	DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊕	ICTU	CONDUIT TURNING UP	⊕	MFP_P	FEE ACQUISITION, BACK LINE	⊕	SRS1	SHLD, INTERSTATE	⊕	ULP	LIGHTING, POLE
△	API	POINT OF INTERSECTION	ENVIRONMENTAL			⊕	ICVTRT	COMM. VEH. ROAD TRANSCEIVER	⊕	MFSP_P	FEE ACQUISITION, SHAPE	⊕	SRS2	SHLD, NATIONAL, 2 DIG.	⊕	ULPM	LIGHTING, POLE, MEDIAN
△	APOB	POINT OF BEGINNING	⊕	EIOP_P	STR., INLET, OUTLET PROT.	+	IDEFAULT	DEFAULT	⊕	MHBAP	HIGHWAY BNDRY., APPROX.	⊕	SRS3	SHLD, NATIONAL, 3 DIG.	⊕	ULPP	LIGHTING, POLE, PED.
⊕	APOC	POINT OF CURVATURE	⊕	EIPGB_P	STR., INLET PROT., GRAVEL BAG	⊕	IEZR	E-ZPASS READER	⊕	MHBCP	HISTORICAL, BLDG. CORNERS	⊕	SRSS2	SHLD, STATE, 2 DIG.	⊕	UMFC	MISC. FILLER CAP
△	APOE	POINT OF END	⊕	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	⊕	EIPEFL_P	STR., INLET PROT., FILTER LOG	⊕	IFXCAB	FIBER OPTIC X-CONNECT CABINET	⊕	MJCP	PT., JURIS. CITY	⊕	SRSS4	SHLD, STATE, 4 DIG.	⊕	UP	POLE, WITH UTILITY
⊕	APOS	POINT ON SPIRAL	⊕	EIPEFL_P	STR., INLET PROT., FILTER LOG	⊕	IFUSSPL	FUSION SPLICE	⊕	MPBC	PT., BUILDING CORNER	TRAFFIC CONTROL			⊕	UPD	POLE, DEAD (NO UTILITY)
⊕	APOT	POINT ON TANGENT	⊕	EIPP_P	STR., INLET PROT., PREFAB.	⊕	IHARADV	HAR ADVISORY SIGN	⊕	MPCC	PT., CROSS CUT	⊕	TCBJ	BOX, JUNCTION	⊕	UPL	POLE, WITH LIGHT
△	APOVC	POINT ON VERTICAL CURVE	⊕	EIPSF_P	STR., INLET PROT., SILT FENCE	⊕	IHARST	HAR SITE	⊕	MPDH	PT., DRILL HOLE	⊕	TCBP	BOX, PULL BOX	⊕	USMH	SANITARY SEWER MANHOLE
△	APOVT	POINT ON VERTICAL TANGENT	⊕	EIPSF_P	STR., INLET PROT., SILT FENCE	⊕	ILC	LOAD CENTER	⊕	MPF	PT., FENCE LOCATION	⊕	TCBS	BOX, SPLICE	⊕	UTB	TELEPHONE, BOOTH
Y	APORC	POINT ON REVERSE CURVE	⊕	ERCB	RISER, CONCRETE BOX	⊕	IMECSPL	MECHANICAL SPLICE	⊕	MPIP	PT., IRON PIPE	⊕	TCMC	MICROCOMPUTER CABINET	⊕	UTLM	TELEPHONE, LINE MARKER
⊕	APT	POINT OF TANGENCY	⊕	ETRS_P	TRAP, SEDIMENT	⊕	IMSCS	PORT. SPEED & COUNT SENSOR	⊕	MPIR	PT., IRON ROD	⊕	TCPP	PED POLE	⊕	UTMH	TELEPHONE, MANHOLE
⊕	APVC	POINT OF VERTICAL CURVATURE	+	EWFG	WETLAND FLAG	⊕	IMSCTS	MICRO 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	⊕	GDH	DRILL HOLE	⊕	IOHVMS	PERM. OVERHEAD VMS	⊕	MPN	PT., NAIL	TRAFFIC WORK ZONE			⊕	UUB	UNKNOWN, BOX
△	APVRC	POINT OF VERT. REVERSE CURVE	LANDSCAPE			⊕	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	⊕	MPRS	PT., RAILROAD SPIKE	⊕	TWZAP_P	ARROW PANEL	⊕	UUJB	UNKNOWN, JUNCTION BOX
⊕	APVT	POINT OF VERTICAL TANGENCY	+	LELS	ELEVATION, SPOT	⊕	IPEDS	PEDESTRIAN SIGNAL HEAD	⊕	MPSP	PT., SPIKE	⊕	TWZAP_C_P	ARROW PANEL, CAUTION MODE	⊕	UUMH	UNKNOWN, MANHOLE
⊕	ASC	SPIRAL TO CURVE	⊕	LFP	FLAG POLE	⊕	IPSS	PAVEMENT SURFACE SENSOR	⊕	MPST	PT., STAKE	⊕	TWZAP_T_P	ARROW PANEL, TRAILER OR SUPPORT	⊕	UUPB	UNKNOWN, PULL BOX
⊕	ASPI	SPIRAL POINT OF INTERSECTION	⊕	LMB	MAILBOX	⊕	IPVMS	PERM. VMS	⊕	MPTW	PT., TREE W/ WIRE	⊕	TWZAPT_P	ARROW PANEL, TRAILER OR SUPPORT	⊕	UUVL	UNKNOWN, VALVE
⊕	ASTS	SPIRAL TO SPIRAL	⊕	LPB	PAPER BOX	⊕	IRM	RAMP METER	⊕	MPWL	PT., WALL LOCATION	⊕	TWZBCD_P	BARRICADE (TYPE III)	⊕	UUVT	UNKNOWN, VENT
⊕	AST	SPIRAL TO TANGENT	⊕	LPST	POST, SINGLE	⊕	IRWIS	RDWY WEATHER INFO. SENSOR	ROW ACQUISITION			⊕	TWZCMS_P	CHANGEABLE MESSAGE SIGN (PVMS)	⊕	UUVW	UNKNOWN, WELL
⊕	ATS	TANGENT TO SPIRAL	⊕	LRB	ROCK, BOULDER	⊕	ISP	SOLAR PANEL	⊕	MFS_P_T	FEE ACQUISITION	⊕	TWZFLG_P	FLAGGER	⊕	UWFH	WATER, FIRE HYDRANT
△	AVEVT	VERTICAL EVENT POINT	⊕	LSHC	SHRUB, CONIFEROUS	⊕	ISST	SPREAD SPECT. TRANSCEIVER	⊕	MEPS_P_T	EASEMENT, PERMANENT	⊕	TWZFT_P	FLAG TREE	⊕	UWM	WATER, METER
⊕	AVHIGH	VERTICAL HIGH POINT	⊕	LSD	SHRUB, DECIDUOUS	⊕	ITDB	TELEPHONE DEMARCATION BLK	⊕	METS_P_T	EASEMENT, TEMPORARY	⊕	TWZIA_P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)	⊕	UWMH	WATER, MANHOLE
⊕	AVLOW	VERTICAL LOW POINT	⊕	LTC	TREE, CONIFEROUS	⊕	ITP	SUBSURFACE TEMP. PROBE	⊕	METS_P_T	OCCUPANCY, TEMPORARY	⊕	TWZLUM_P	LUMINAIRE (TEMPORARY)	⊕	UWV	WATER, VALVE
BRIDGE			⊕	LTD	TREE, DECIDUOUS	⊕	IVTRT	VEHICLE TO RDWY TRANSCEIVER	⊕	METS_P_T	FEE ACQUISITION W/O ACCESS	⊕	TWZLUM_P	LUMINAIRE (TEMPORARY)	⊕	UWW	WATER, WELL
⊕	BSC	BRIDGE, SCUPPER	⊕	LTS	TREE, STUMP	⊕	IWIMD	WEIGHT IN MOTION DETECTOR	⊕	MFS_P_T	FEE ACQUISITION W/O ACCESS	⊕	TWZSDT_P	SYMBOL, DIRECTION OF TRAFFIC	⊕		
CONTROL			⊕	LTW_P	TREE, WELL OR WALL	⊕	IWVR	WIRELESS VIDEO REPEATER	⊕	MFS_P_T	FEE ACQUISITION W/O ACCESS	⊕	TWZSDTD_P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR	⊕		
△	CBP	BASELINE, POINT	+	LUKP	UNKNOWN POINT	⊕	IWVRC	WIRELESS VIDEO RECEIVER	⊕			⊕	TWZSGN_P	SIGN (TEMPORARY)	⊕		
⊕	CBPOL	BASELINE, POINT ON LINE	<ol style="list-style-type: none"> <li>THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).</li> <li>FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).</li> <li>FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.</li> <li>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).</li> <li>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.</li> <li>FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.</li> </ol>														
⊕	CBSP	BASELINE, SPUR POINT															
⊕	CBTP	BASELINE, TIE POINT															
⊕	CPBM	BENCHMARK															
⊕	CPH	POINT, HORIZ. PHOTOGRAMMETRY															
⊕	CPSM	POINT, SURVEY MARKER, PERM.															
⊕	CPSV	POINT, VERT., PHOTOGRAMMETRY															

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING LEGEND - POINT SYMBOLOGY	DRAWING NUMBER: LEG-02





**GENERAL NOTES:**

- DESIGN SPECIFICATIONS: NYS DOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF NOVEMBER 2023. FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: (F'c) = 3,000 PSI.
- DETAILS ON THESE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.
- THESE BRIDGES, INCLUDING EXISTING ELEMENTS AND THOSE REPAIRED OR REPLACED UNDER THIS CONTRACT, SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT EDITION OF AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES.

**RECONSTRUCTION NOTES:**

- DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXTENT OF RECONSTRUCTION WORK CANNOT BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- THE CONTRACTOR 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 STATE, 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 STATE, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT BID PRICES FOR THOSE ITEMS.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS AND OTHER MATERIAL TO THE AREA BELOW THE BRIDGE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK WILL BE STOPPED UNTIL ADEQUATE PROTECTION IS PROVIDED.
- THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE BID PRICES FOR THE APPROPRIATE ITEMS OF THE CONTRACT.
- IF THE STRUCTURE HAS A BRIDGE IDENTIFICATION NUMBER (B.I.N.) PLATE ATTACHED, THE CONTRACTOR SHALL PROTECT IT DURING CONSTRUCTION OR REMOVE AND REMOUNT IT AFTER CONSTRUCTION IS COMPLETED.
- WARNING: UNDERGROUND FIBER OPTIC CONDUIT.** THE THRUWAY'S FIBER OPTIC "BACKBONE" IS LOCATED WITHIN THE ENTIRE WORK LIMITS OF THIS PROJECT. THE APPROXIMATE LOCATION IS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS ADVISED TO CONTACT UDIG NY AT 1-800-962-7962, OR BY DIALING 811, PRIOR TO ANY EXCAVATION. FURTHERMORE, PURSUANT TO N.Y.S. CODE RULE 753, THE CONTRACTOR MUST BE PREPARED TO VERIFY THE LOCATION OF THE FIBER OPTIC LINE THROUGH HAND-DUG TEST HOLES AT ONE OR MORE LOCATIONS WITHIN THE WORK AREA PRIOR TO EXCAVATION. HAND-DUG TEST HOLES SHALL BE PAID FOR UNDER ITEM 206.05 - TEST PIT EXCAVATION [EACH].

**MISCELLANEOUS NOTES:**

- STREAM PROTECTION NOTE: DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH MANNER AS TO PREVENT, OR REDUCE TO A MINIMUM, ANY DAMAGE TO ANY STREAM FROM POLLUTION BY DEBRIS, SEDIMENT OR OTHER FOREIGN MATERIAL, OR FROM MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH STREAMS. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO A STREAM ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL OR OTHER IMPURITIES. IF THE CONTRACTOR USES WATER FROM A STREAM, THE CONTRACTOR SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM REQUIRED TO PROTECT AND MAINTAIN WATER RIGHTS AND TO SUSTAIN AQUATIC LIFE DOWNSTREAM.

**M.P. 165.10, I-90 OVER RESERVOIR ROAD & CREEK**

**HYDRAULIC NOTES:**

- ORDINARY WATER IS ESTIMATED TO BE 299.8 FEET. ORDINARY WATER IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (EXCLUDING MAJOR FLOODS). THE ORDINARY HIGH WATER ELEVATION IS AN OBSERVED ELEVATION RATHER THAN A COMPUTED ELEVATION.

**MISCELLANEOUS NOTES:**

- RESERVOIR CREEK HAS BEEN IDENTIFIED AS A CLASS "C" STREAM.

**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 AS IT RELATES TO THE RESERVOIR CREEK BRIDGE, 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.

- SET UP WORK ZONE TRAFFIC CONTROL.
- REMOVE GUIDE RAIL AND INSTALL TEMPORARY HAUL ROAD(S) AS NEEDED.
- SET UP STAGE 1 TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- PERFORM STREAM BED/CULVERT CLEANING AND LOCATION SPECIFIC SCOUR REPAIRS.
- SET UP STAGE 2 TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- PERFORM STREAM BED/CULVERT CLEANING, CONCRETE REPAIR AND LOCATION SPECIFIC SCOUR REPAIRS.
- REMOVE TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- RESET GUIDE RAIL.
- REMOVE WORK ZONE TRAFFIC CONTROL.
- WHEN WORK IS COMPLETE, CLEAN AND RESTORE SITE AOB.

**M.P. 171.31, I-90 OVER TERWILLEGGER CREEK**

**HYDRAULIC NOTES:**

- ORDINARY WATER IS ESTIMATED TO BE 310.0 FEET. ORDINARY WATER IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (EXCLUDING MAJOR FLOODS). THE ORDINARY HIGH WATER ELEVATION IS AN OBSERVED ELEVATION RATHER THAN A COMPUTED ELEVATION.

**MISCELLANEOUS NOTES:**

- TERWILLEGGER CREEK HAS BEEN IDENTIFIED AS A CLASS "C" STREAM.

**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 AS IT RELATES TO THE TERWILLEGGER CREEK BRIDGE, 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.

- SET UP WORK ZONE TRAFFIC CONTROL.
- INSTALL TEMPORARY HAUL ROAD(S) AS NEEDED.
- SET UP STAGE 1 TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- PERFORM STREAM BED/CULVERT CLEANING, CONCRETE REPAIR AND LOCATION SPECIFIC SCOUR REPAIRS.
- SET UP STAGE 2 TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- PERFORM STREAM BED/CULVERT CLEANING AND LOCATION SPECIFIC SCOUR REPAIRS.
- REMOVE TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- REMOVE WORK ZONE TRAFFIC CONTROL.
- WHEN WORK IS COMPLETE, CLEAN AND RESTORE SITE AOB.

**M.P. 174.71, I-90 OVER SOUTH CHUCTANUNDA CREEK**

**HYDRAULIC NOTES:**

- ORDINARY WATER IS ESTIMATED TO BE 366.5 FEET. ORDINARY WATER IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (EXCLUDING MAJOR FLOODS). THE ORDINARY HIGH WATER ELEVATION IS AN OBSERVED ELEVATION RATHER THAN A COMPUTED ELEVATION.

**MISCELLANEOUS NOTES:**

- SOUTH CHUCTANUNDA CREEK HAS BEEN IDENTIFIED AS A CLASS "C" STREAM.

**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 AS IT RELATES TO THE SOUTH CHUCTANUNDA CREEK BRIDGE, 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.

- SET UP WORK ZONE TRAFFIC CONTROL.
- INSTALL TEMPORARY HAUL ROAD(S) AS NEEDED.
- SET UP STAGE 1 TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- PERFORM STREAM BED/CULVERT CLEANING AND LOCATION SPECIFIC SCOUR REPAIRS.
- SET UP STAGE 2 TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- PERFORM STREAM BED/CULVERT CLEANING, CONCRETE REPAIR AND LOCATION SPECIFIC SCOUR REPAIRS.
- REMOVE TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- REMOVE WORK ZONE TRAFFIC CONTROL.
- WHEN WORK IS COMPLETE, CLEAN AND RESTORE SITE AOB.

**M.P. 179.76, I-90 OVER AURIES CREEK**

**HYDRAULIC NOTES:**

- ORDINARY WATER IS ESTIMATED TO BE 278.5 FEET. ORDINARY WATER IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (EXCLUDING MAJOR FLOODS). THE ORDINARY HIGH WATER ELEVATION IS AN OBSERVED ELEVATION RATHER THAN A COMPUTED ELEVATION.

**MISCELLANEOUS NOTES:**

- AURIES CREEK HAS BEEN IDENTIFIED AS BOTH CLASS "B" AND "C" STREAM.

**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 AS IT RELATES TO THE AURIES CREEK BRIDGE, 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.

- SET UP WORK ZONE TRAFFIC CONTROL.
- INSTALL TEMPORARY HAUL ROAD(S) AS NEEDED.
- SET UP STAGE 1 TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- PERFORM STREAM BED/CULVERT CLEANING, CONCRETE REPAIR AND LOCATION SPECIFIC SCOUR REPAIRS.
- SET UP STAGE 2 TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- PERFORM STREAM BED/CULVERT CLEANING, CONCRETE REPAIR AND LOCATION SPECIFIC SCOUR REPAIRS.
- REMOVE TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- REMOVE WORK ZONE TRAFFIC CONTROL.
- WHEN WORK IS COMPLETE, CLEAN AND RESTORE SITE AOB.

**M.P. 185.93, I-90 OVER VAN WIE CREEK**

**HYDRAULIC NOTES:**

- ORDINARY WATER IS ESTIMATED TO BE 282.0 FEET. ORDINARY WATER IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (EXCLUDING MAJOR FLOODS). THE ORDINARY HIGH WATER ELEVATION IS AN OBSERVED ELEVATION RATHER THAN A COMPUTED ELEVATION.

**MISCELLANEOUS NOTES:**

- VAN WIE CREEK HAS BEEN IDENTIFIED AS BOTH CLASS "B" AND "C" STREAM.

**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 AS IT RELATES TO THE VAN WIE CREEK BRIDGE, 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.

- SET UP WORK ZONE TRAFFIC CONTROL.
- INSTALL TEMPORARY HAUL ROAD(S) AS NEEDED.
- SET UP STAGE 1 TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- PERFORM STREAM BED/CULVERT CLEANING AND LOCATION SPECIFIC SCOUR REPAIRS.
- SET UP STAGE 2 TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- PERFORM STREAM BED/CULVERT CLEANING AND LOCATION SPECIFIC SCOUR REPAIRS.
- REMOVE TEMPORARY WATER DIVERSION/DEWATERING CONTROL.
- REMOVE WORK ZONE TRAFFIC CONTROL.
- WHEN WORK IS COMPLETE, CLEAN AND RESTORE SITE AOB.

CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

CHECKED BY: M. SAVINO

DESIGNED BY: M. TANG

DESIGN SUPERVISOR: M. LAISTNER

ALTERED ON: AFFIXED ON: 11/15/2023

SIGNATURE: STAMP:

SIGNATURE: STAMP:



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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING GENERAL NOTES AND WORK TO BE DONE	DRAWING NUMBER: GN-01

# New York State Thruway Authority Standard Sheets

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

X	SHEET NO.	SUBJECT
X	TA 201-01	Clearing and Grubbing (Dwg. CG)
	TA 203-01	Shoulder Backup 1R Projects (Dwg. SB)
	TA 203-02	Slope Flattening Details
	TA 402-01	Highway Pavement Repair Details (Dwg. PRD)
	TA 402-02	Bridge Deck Wearing Course Resurfacing (Dwg. BDR)
	TA 402-03	Overhead Bridge Underclearance Improvement (Dwg. BU)
	TA 603-01	Culvert Extension Details
	TA 605-01	Underdrain Details
	TA 606-01	Modified Thrie Beam (Mod.) Guiderail (Dwg. GR-1)
	TA 606-02	Vacant
	TA 606-03	Corrugated Median Barrier to Corrugated Beam Guide Railing Transition Detail D (Dwg. GR-4)
	TA 606-04	Box Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-5)
	TA 606-05	HPBO (Mod.) Corrugated Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-6)
	TA 606-06	Typical U-Turn Median Rail Layout and Roadway Transverse Section
	TA 606-07	Modified Thrie Beam Guiderail with Rock Rail
	TA 611-01	Living Snow Fences
X	TA 614-01	Tree Removal
X	TA 619-01	Work Zone Traffic Control Tables & Legend
X	TA 619-02	General Work Zone Traffic Control Notes & Channelizing Devices
X	TA 619-03	Shoulder Closure Short-Term or Intermediate-Term Stationary
X	TA 619-04	Shoulder Closure Short-Duration Stationary and Mobile
X	TA 619-05	Signing & Delineation for Shoulder Work Spaces with Temporary Concrete Barrier
X	TA 619-06	Work Beyond Shoulder
	TA 619-07	Be Prepared to Stop and Uneven Lanes Signing
X	TA 619-08	Single Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-09	Double Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-10	Center Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-11	Lane Shift: 65 MPH Zone
	TA 619-12	Single Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-13	Double Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-14	Center Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-15	Lane Shift: 55 MPH Zone
	TA 619-16	Work Zone Traffic Control at Interchanges, Service Areas and Parking Areas
X	TA 619-17	Work Zone Traffic Control for Miscellaneous Operations
	TA 619-18	Mobile Lane Closure
	TA 619-19	Mobile Lane Closure: Narrow Shoulder Area
X	TA 619-20	Short-Duration Lane Closure
	TA 619-21	Short-Duration Double Lane Closure
	TA 619-22	Work Zone Traffic Control Guide for Pavement Striping Operations
	TA 619-23	Mobile Lane Closure for Pavement Striping Operations
	TA 619-24	Mobile Lane Closure for Pavement Striping Operations: Narrow Shoulder Area
	TA 619-25	Work Zone Traffic Control for Pavement Striping Operations at Interchanges, Service Areas and Parking Areas
	TA 619-26	Temporary Rock Catchment Barrier (Sheets 1-3)
	TA 619-27	Workzone Overhead Gantry Signing
	TA 619-30	New York Division Traffic Management Tables (Sheets 1-27)
X	TA 619-31	Albany Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-32	Syracuse Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-33	Buffalo Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 619-34	Vacant
X	TA 619-35	Albany Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-36	Syracuse Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-37	Buffalo Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 625-01	ROW and Survey Markers
	TA 645-01	Wrong Way Deterrence Sign
	TA 646-01	Reference Marker Details (Sheets 1-2)
	TA 670-01	Fiber Optic & Backbone Handhole Relocation Details
	TA 680-01	Inductance Loop Installation
	TA 680-02	Highway Advisory Radio (Sheets 1-9)
	TA 685-01	Pavement Marking Details: Asphalt and Concrete Pavement (Sheets 1-2)
	TA 685-02	Pavement Marking Details: Tapered Acceleration and Deceleration Lanes
	TA 685-03	Vacant
	TA 685-04	Temporary Pavement Marking Details
	TA 690-01	Loop and Treadle Plan (Sheets 1-2)
	TA 690-02	Toll Lane Slab Reinforcement Plan
	TA 690-03	10 ft Treadle Frame (Sheets 1-4)

# Highway Work Type

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

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

# New York State Department of Transportation Standard Sheets

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

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

# Structure Work Type

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

MILEPOST:	165.1	171.31	174.71	179.76	185.93
<b>PROJECT TYPE</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Bridge Washing					
Scour Protection	X	X	X	X	X
Channel Cleaning	X	X	X	X	X
Railing System					
Protective Screening					
Painting					
Steel Repair					
Wearing Surface Treatment					
Deck Repairs					
Joint Rehabilitation					
Joint Replacement					
Bearing Rehabilitation					
Bearing Replacement					
Hanger Pin Replacement					
Security					
Seismic Retrofit					
Substructure Rehabilitation					
Electrical					
Cathodic Protection System					
Fender or Pier Protection System					
Deck Replacement					
Superstructure Replacement					
Bridge Replacement					
Added Bridge (New Location)					
Abandoned Bridge					
Other:					

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING STANDARD SHEET AND WORK TYPE TABLES	DRAWING NUMBER: SS-01

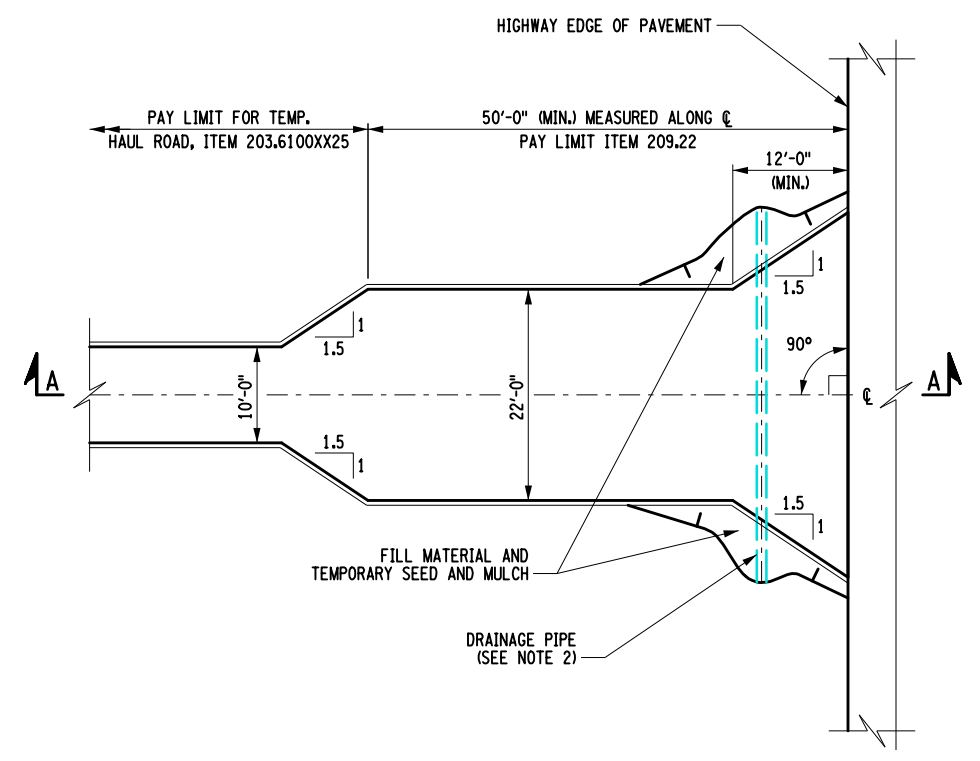
CHECKED BY: E. THOMPSON

DRAFTED BY: S. LOFORTE

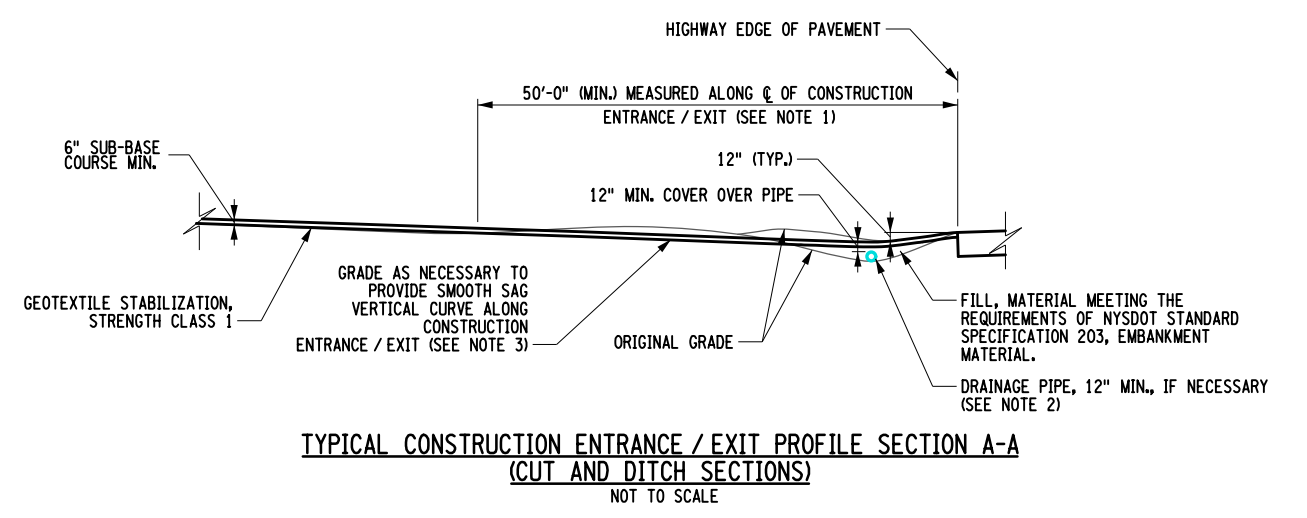
CHECKED BY: E. THOMPSON

DESIGNED BY: S. LOFORTE

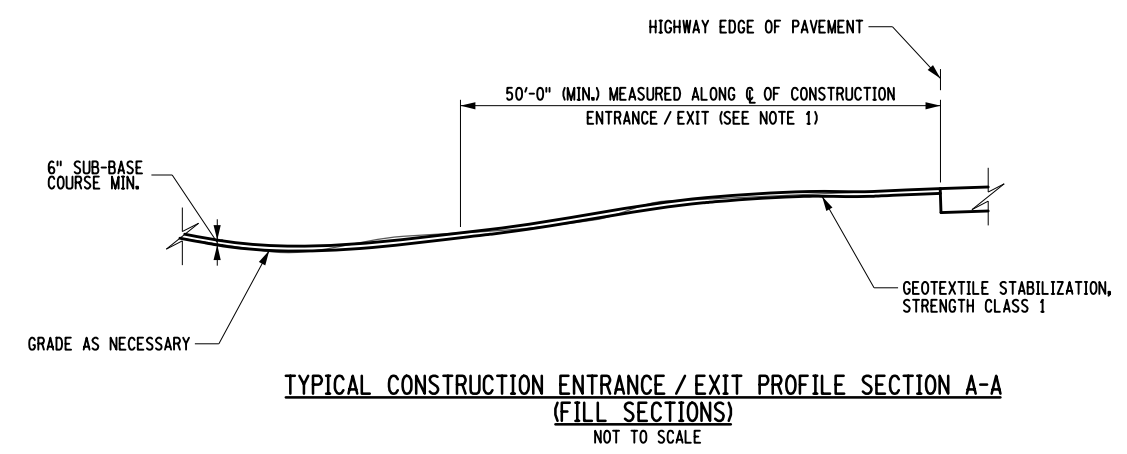
DESIGN SUPERVISOR: M. LAISTNER



TYPICAL CONSTRUCTION ENTRANCE / EXIT PLAN  
(CUT/DITCH AND FILL SECTIONS)  
NOT TO SCALE



TYPICAL CONSTRUCTION ENTRANCE / EXIT PROFILE SECTION A-A  
(CUT AND DITCH SECTIONS)  
NOT TO SCALE



TYPICAL CONSTRUCTION ENTRANCE / EXIT PROFILE SECTION A-A  
(FILL SECTIONS)  
NOT TO SCALE

TEMPORARY CONSTRUCTION SIGNS		
DESIGNATION & COLOR	TEXT	SIZE (IN.)
		AREA (SF)
W2-2R BLACK ON ORANGE		48"x48"
		16 SF
W2-2L BLACK ON ORANGE		48"x48"
		16 SF
NYW5-16P BLACK ON ORANGE	TRUCKS	36"x18"
		4.5 SF
W20-1 BLACK ON ORANGE		48"x48"
		16 SF

NOTES:

- MODIFICATIONS MAY BE REQUIRED TO SUIT FIELD CONDITIONS WITH THE APPROVAL OF THE ENGINEER.
- PROPOSED DRAINAGE PIPES SHALL BE SIZED WITH SUFFICIENT CAPACITY TO CARRY DITCH FLOW (12" MIN.). ALTERNATIVE WAYS OF TRANSPORTING DITCH DRAINAGE ACROSS CONSTRUCTION ENTRANCE / EXIT MAY BE PROPOSED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.
- DRAINAGE PIPES OVER 20" DIA. THAT ARE NOT BEHIND A ROADSIDE BARRIER SHALL INCLUDE SAFETY END SECTIONS OR GRATING TO ENSURE TRAVERSABILITY.
- PERIODIC MAINTENANCE IS REQUIRED TO ENSURE SEDIMENT IS NOT TRACKED ONTO PAVEMENT AND COST OF MAINTENANCE WILL BE INCLUDED IN THE UNIT PRICE BID.
- ALL COSTS ASSOCIATED WITH INSTALLING AND REMOVING THE CONSTRUCTION ENTRANCE / EXIT WILL BE INCLUDED IN ITEM 209.22.

ALTERED ON: \_\_\_\_\_ AFFIXED ON: 11/15/2023

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_

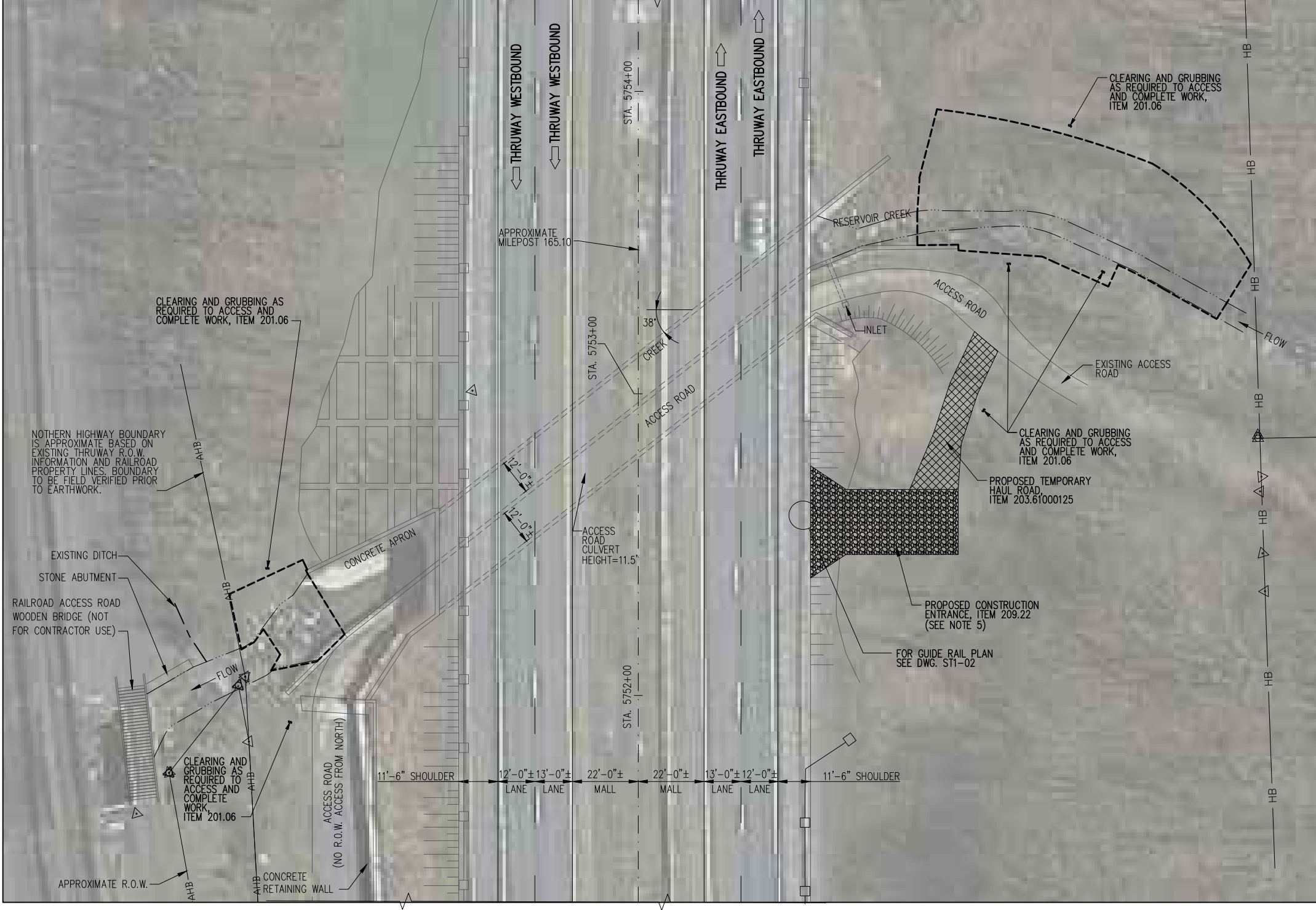
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING PROPOSED HAUL ROAD DETAILS	DRAWING NUMBER: ARD-01






**NOTES:**

1. EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED AS REQUIRED BY SECTION 209 AND AS DIRECTED BY THE ENGINEER. COST OF EROSION AND SEDIMENT CONTROL MEASURES FOR CONSTRUCTION OF TEMPORARY HAUL ROADS SHALL BE INCLUDED UNDER ITEMS 203.61000125.
2. UPON COMPLETION OF THE PROJECT WORK, MATERIALS USED TO CONSTRUCT OR MAINTAIN THE TEMPORARY HAUL ROADS THROUGHOUT CONSTRUCTION SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER. THE COST TO REMOVE MATERIALS SHALL BE INCLUDED IN THE BID PRICE FOR ITEMS 203.61000125.
3. CONSTRUCTION ENTRANCE AND TEMPORARY HAUL ROAD AS SHOWN ARE CONCEPTUAL. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, MAINTAIN AND REMOVE THE TEMPORARY HAUL ROADS. EXACT LOCATION, LAYOUT, AND CONSTRUCTION METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION OF THE TEMPORARY HAUL ROADS SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER.
4. THE CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, MAINTAIN, AND REMOVE TEMPORARY WATERWAY DIVERSION STRUCTURE FOR STAGES 1 AND 2. THE EXACT LOCATION, LAYOUT AND METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE THE ENGINEER.
5. PROVIDE A SHOULDER CLOSURE AS PER NYSTA STANDARD SHEET TA 619-03 SHOULD ANY EQUIPMENT AND/OR MATERIALS REQUIRE UNLOADING OR LOADING WHILE OCCUPYING THE SHOULDER. REFER TO DWG. ST1-02.
6. A SERIES OF EXISTING DRAWINGS, SATELLITE IMAGES, AND FIELD MEASUREMENTS WERE USED TO CREATE THE PLAN AND SECTIONS. THESE DRAWINGS ARE NOT BASED ON TOPOGRAPHIC SURVEY THUS ALL INFORMATION AND DIMENSIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION AND COORDINATE WORK WITH THE ENGINEER.

**LEGEND:**

- HAUL ROAD  
ITEM 203.61000125
- CONSTRUCTION ENTRANCE  
ITEM 209.22

DESIGNED BY: NICK MYERS  
CHECKED BY: BRIAN POUND  
DRAFTED BY: NICK MYERS  
CHECKED BY: BRIAN POUND

<p>ALTERED ON:</p> <p>SIGNATURE: STAMP:</p>	<p>AFFIXED ON: 11/15/2023</p> <p>SIGNATURE: STAMP:</p> <div style="text-align: center;">  </div>
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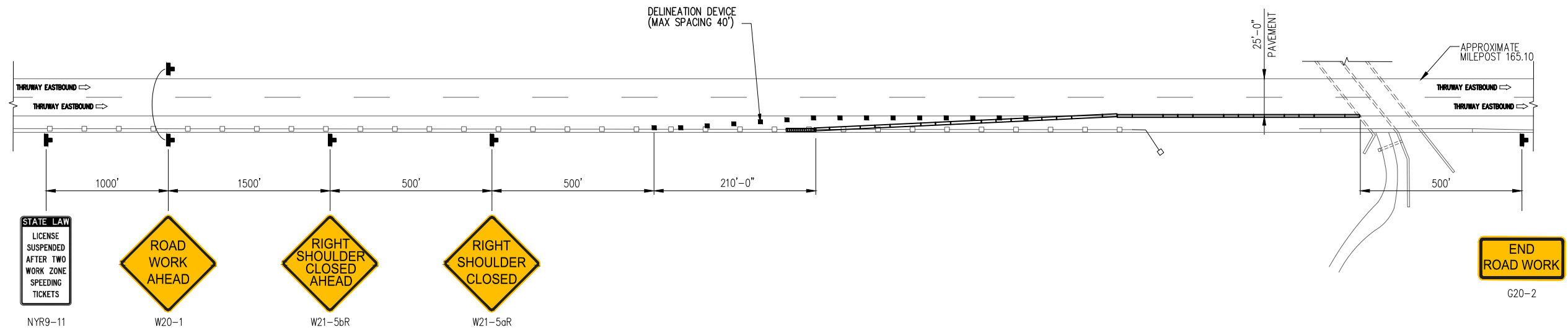
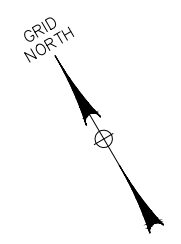
**PROPOSED HAUL ROAD AT MP 165.10**  
SCALE: 1" = 40'-0"

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.

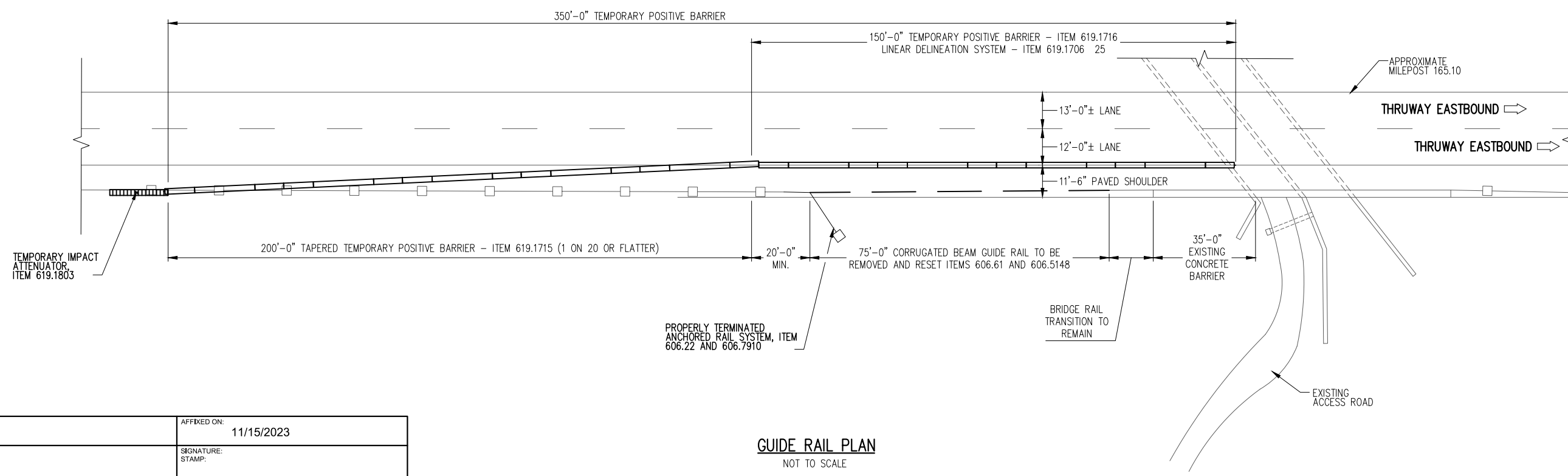
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



<p>TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES</p> <p>LOCATION OF PROJECT MP 165.10 TO MP 185.93</p> <p>TITLE OF DRAWING MP 165.10 I-90 OVER RESERVOIR ROAD &amp; CREEK PROPOSED HAUL ROAD (1 OF 2)</p>	<p>BIN 5513750</p> <p>CONTRACT NUMBER: TAA 24-6B</p> <p>DATE: NOV 2023</p> <p>DRAWING NUMBER: ST1-01</p>
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**SHOULDER CLOSURE SIGNAGE PLAN**  
NOT TO SCALE




**GUIDE RAIL PLAN**  
NOT TO SCALE

**NOTES:**




1. CONSTRUCTION ENTRANCE AND WORK ZONE TRAFFIC CONTROL ARE SHOWN AT APPROXIMATE LOCATION. CONTRACTOR IS RESPONSIBLE FOR FINAL LOCATION. REFER TO NYSDOT STANDARD SHEETS AND COORDINATE FINAL LOCATION WITH THE ENGINEER.
2. CONTRACTOR IS RESPONSIBLE FOR PROPER DESIGN LAYOUT, INSTALLATION, MAINTENANCE AND REMOVAL OF WORK ZONE TRAFFIC CONTROL.
3. NO WORK ACTIVITY (BEYOND WHAT IS REQUIRED TO ACCESS SITE) OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN SHOULDER.
4. THE TEMPORARY POSITIVE BARRIER SHALL NOT BE PLACED ALONG THE MERGING TAPER. THE SHOULDER SHALL BE CLOSED USING CHANNELIZING DEVICES.
5. A SERIES OF EXISTING DRAWINGS, SATELLITE IMAGES, AND FIELD MEASUREMENTS WERE USED TO CREATE THE PLAN AND SECTIONS. THESE DRAWINGS ARE NOT BASED ON TOPOGRAPHIC SURVEY THUS ALL INFORMATION AND DIMENSIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION AND COORDINATE WORK WITH THE ENGINEER.

DESIGNED BY: NICK MYERS  
CHECKED BY: BRIAN POUND  
DRAFTED BY: NICK MYERS  
CHECKED BY: BRIAN POUND  
DESIGN SUPERVISOR: BRIAN POUND

ALTERED ON:	AFFIXED ON: 11/15/2023
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

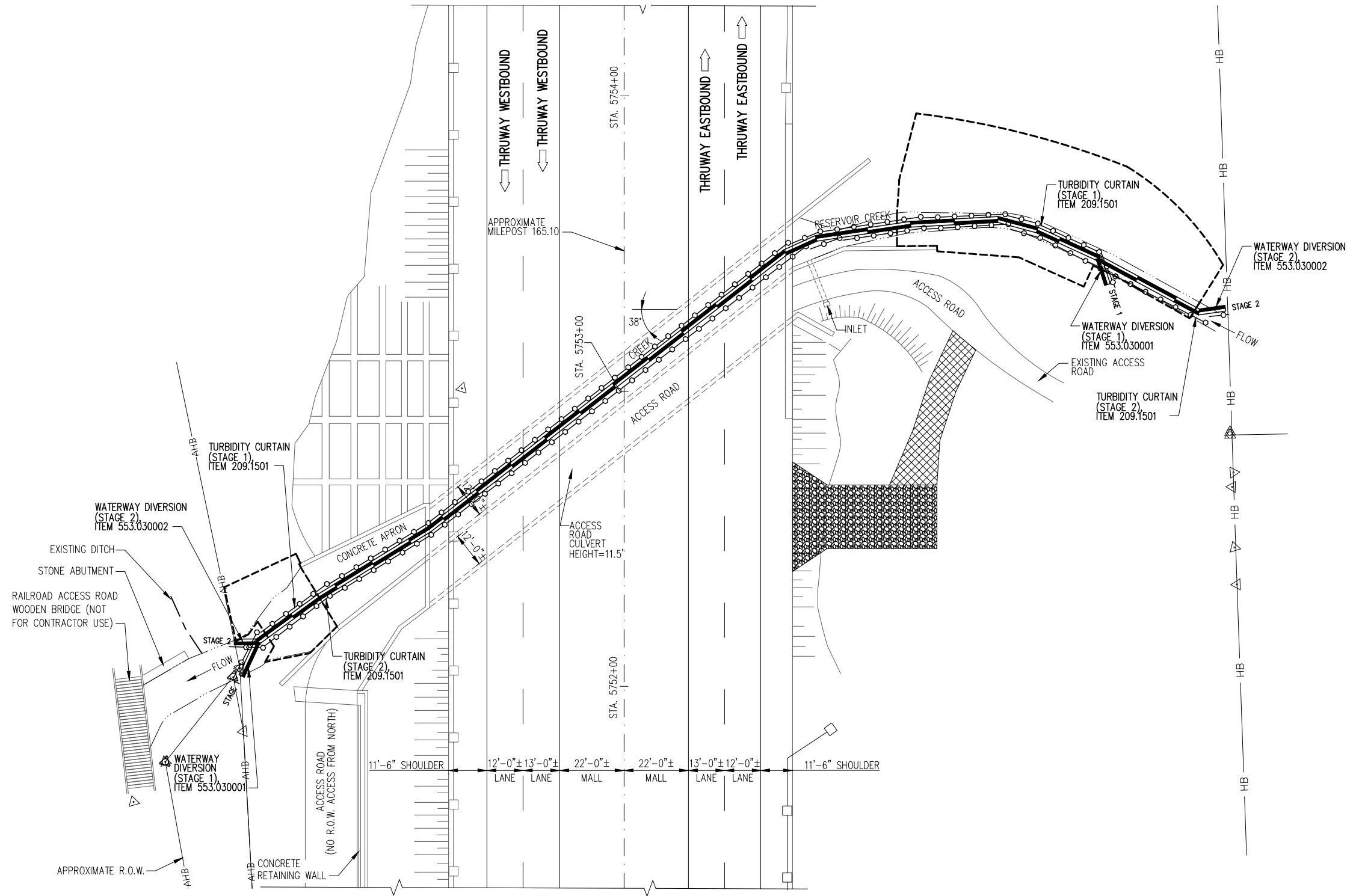
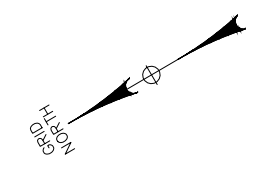
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
	LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV 2023
	TITLE OF DRAWING MP 165.10 I-90 OVER RESERVOIR ROAD & CREEK PROPOSED HAUL ROAD (2 OF 2)	DRAWING NUMBER: ST1-02

BIN 5513750

DESIGNED BY: NICK MYERS  
CHECKED BY: BRIAN POUND  
DRAFTED BY: NICK MYERS  
CHECKED BY: BRIAN POUND



**NOTES:**

1. THE CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, MAINTAIN, AND REMOVE TEMPORARY WATERWAY DIVERSION STRUCTURE FOR STAGES 1 AND 2. THE EXACT LOCATION, LAYOUT AND METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER.
2. A SERIES OF EXISTING DRAWINGS, SATELLITE IMAGES, AND FIELD MEASUREMENTS WERE USED TO CREATE THE PLAN AND SECTIONS. THESE DRAWINGS ARE NOT BASED ON TOPOGRAPHIC SURVEY. THUS ALL INFORMATION AND DIMENSIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION AND COORDINATE WORK WITH THE ENGINEER.

**LEGEND:**

- HAUL ROAD  
ITEM 203.61000125
- CONSTRUCTION ENTRANCE  
ITEM 209.22
- TURBIDITY CURTAIN-TEMPORARY  
ITEM 209.1501
- WATERWAY DIVERSION  
ITEM 553.0300XX

ALTERED ON: \_\_\_\_\_ AFFIXED ON: 11/15/2023

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_

**TEMPORARY WATERWAY DIVERSION AT MP 165.10**  
SCALE: 1" = 40'-0"

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**

DESIGN & CONSULTING  
STILL SERVING

TITLE OF PROJECT  
SCOUR REPAIR AT VARIOUS BRIDGES

LOCATION OF PROJECT  
MP 165.10 TO MP 185.93

TITLE OF DRAWING  
MP 165.10 I-90 OVER  
RESERVOIR ROAD & CREEK  
TEMPORARY WATERWAY  
DIVERSION

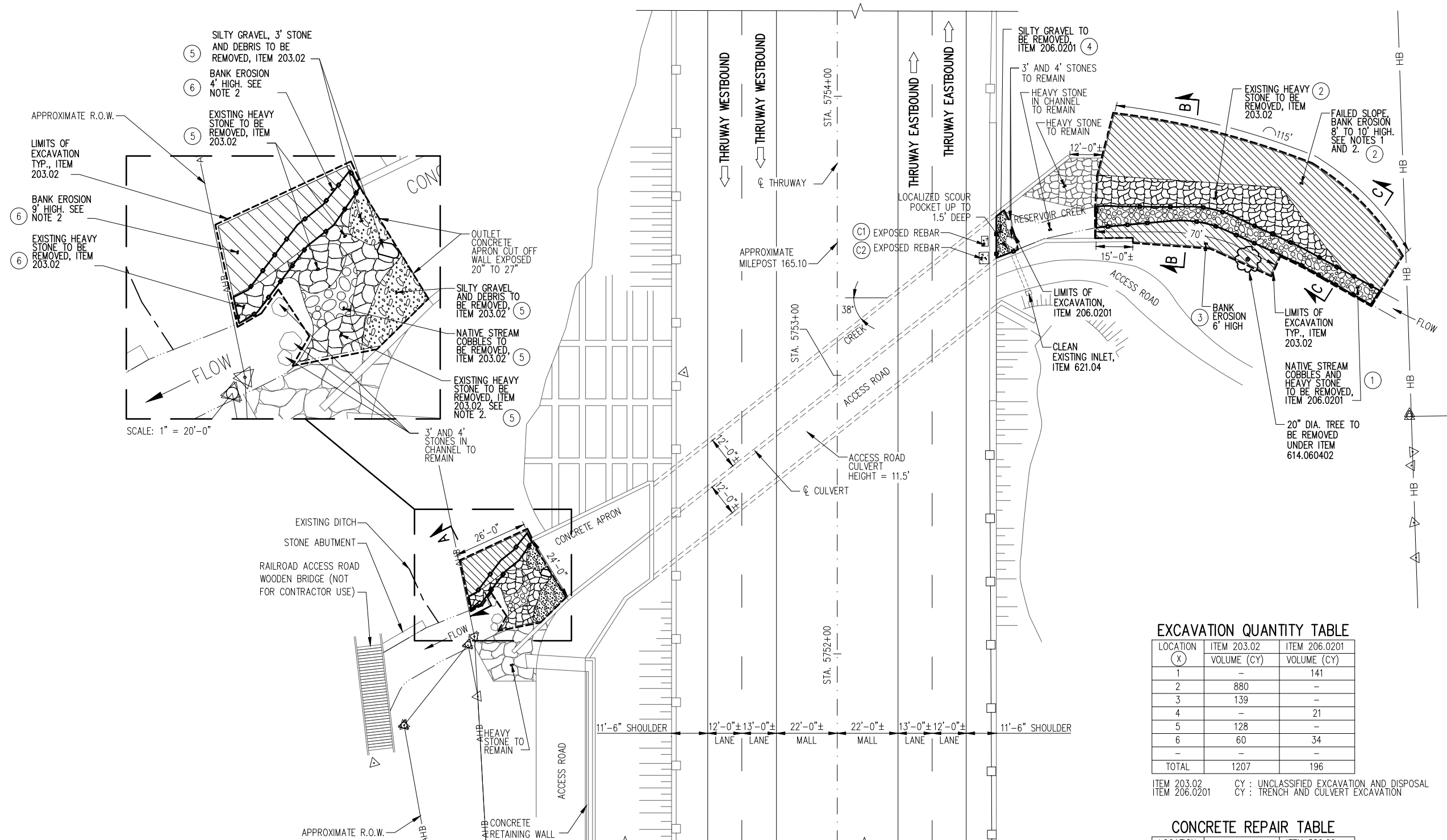
CONTRACT NUMBER:  
TAA 24-6B

DATE:  
NOV 2023

DRAWING NUMBER:  
ST1-03



DESIGNED BY: NICK MYERS  
 CHECKED BY: BRIAN POUND  
 DRAFTED BY: NICK MYERS  
 CHECKED BY: BRIAN POUND



- NOTES:**
- EXPOSED EARTH FACE WITH EXPOSED GEOTEXTILE FABRIC.
  - GEOTEXTILE FABRIC IS EXPOSED AT MANY LOCATIONS.
  - FOR SECTIONS REFER TO DWG. ST1-06.
  - FOR CONSTRUCTION ACCESS REFER TO DWG. ST1-01 AND ST1-02.
  - THE CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, MAINTAIN, AND REMOVE TEMPORARY WATERWAY DIVERSION STRUCTURE FOR STAGES 1 AND 2. THE EXACT LOCATION, LAYOUT AND METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER, REFER TO DWG. ST1-03.
  - A SERIES OF EXISTING DRAWINGS, SATELLITE IMAGES, AND FIELD MEASUREMENTS WERE USED TO CREATE THE PLAN AND SECTIONS. THESE DRAWINGS ARE NOT BASED ON TOPOGRAPHIC SURVEY THUS ALL INFORMATION AND DIMENSIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION AND COORDINATE WORK WITH THE ENGINEER.

**EXCAVATION QUANTITY TABLE**

LOCATION (X)	ITEM 203.02 VOLUME (CY)	ITEM 206.0201 VOLUME (CY)
1	-	141
2	880	-
3	139	-
4	-	21
5	128	-
6	60	34
TOTAL	1207	196

ITEM 203.02 CY : UNCLASSIFIED EXCAVATION AND DISPOSAL  
 ITEM 206.0201 CY : TRENCH AND CULVERT EXCAVATION

**CONCRETE REPAIR TABLE**

LOCATION (X)	DESCRIPTION	ITEM 582.06 AREA (SF)
C1	FLOOR SLAB	2
C2	FLOOR SLAB	3
TOTAL	--	5

**CONCRETE REPAIR NOTES:**

- CONCRETE REPAIR LOCATIONS AND LIMITS ARE APPROXIMATE. ACTUAL REPAIR LIMITS SHALL BE A.O.B.E.

- LEGEND:**
- NATIVE STREAM BED COBBLES
  - SILTY GRAVEL
  - BANK EROSION
  - HEAVY STONE FILL
  - EXTRA HEAVY STONE FILL
  - REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE, ITEM 582.06
  - LIMITS OF EXCAVATION ITEM 203.02
  - TRENCH AND CULVERT EXCAVATION ITEM 206.0201

**EXISTING PLAN AT MP 165.10**  
SCALE: 1" = 40'-0"

ALTERED ON:	AFFIXED ON: 11/15/2023
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**

DESIGN & CONSULTING  
STILL SERVING

**BIN 5513750**

TITLE OF PROJECT  
SCOUR REPAIR AT VARIOUS BRIDGES

CONTRACT NUMBER:  
TAA 24-6B

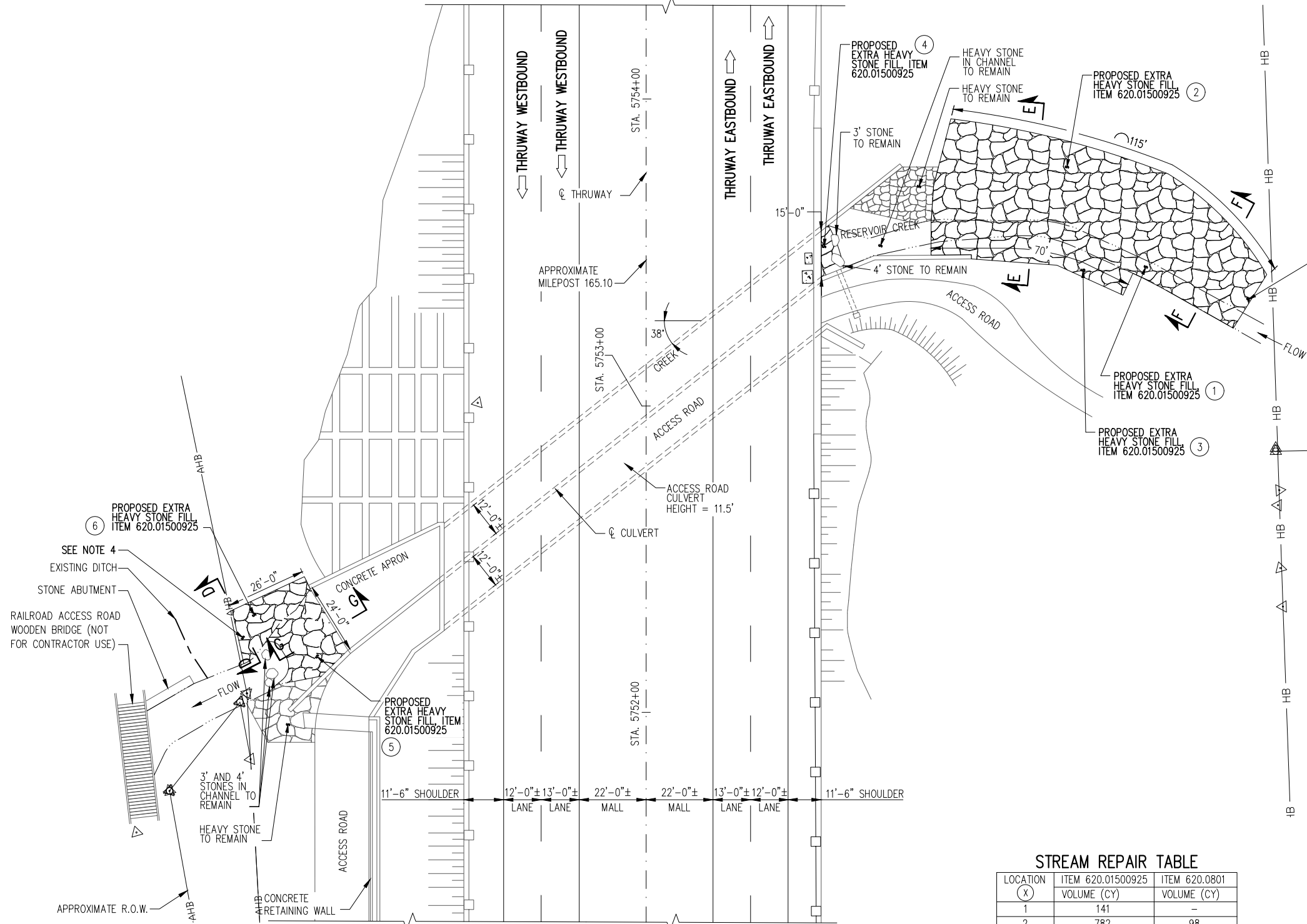
LOCATION OF PROJECT  
MP 165.10 TO MP 185.93

DATE:  
NOV 2023

TITLE OF DRAWING  
MP 165.10 I-90 OVER  
RESERVOIR ROAD & CREEK  
EXISTING PLAN

DRAWING NUMBER:  
ST1-04

DESIGNED BY: NICK MYERS  
CHECKED BY: BRIAN POUND  
DRAFTED BY: NICK MYERS  
CHECKED BY: BRIAN POUND



**NOTES:**

1. THE CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, MAINTAIN, AND REMOVE TEMPORARY WATERWAY DIVERSION STRUCTURE AND TURBIDITY CURTAIN FOR STAGES 1 AND 2. THE EXACT LOCATION, LAYOUT AND METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER, REFER TO DWG ST1-03.
2. FOR SECTIONS REFER TO DWG. ST1-06.
3. FOR CONSTRUCTION ACCESS REFER TO DWG. ST1-01 AND ST1-02.
4. STONE FILLING SHOULD BE KEYED INTO EXISTING BANK. REFER TO TYPICAL CUT OFF WALL DETAIL ON DWG. ST1-06. CONTRACTOR SHALL PROVIDE CUT OFF AT ALL STONE FILLING TERMINATIONS ALONG BANK.
5. A SERIES OF EXISTING DRAWINGS, SATELLITE IMAGES, AND FIELD MEASUREMENTS WERE USED TO CREATE THE PLAN AND SECTIONS. THESE DRAWINGS ARE NOT BASED ON TOPOGRAPHIC SURVEY THUS ALL INFORMATION AND DIMENSIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION AND COORDINATE WORK WITH THE ENGINEER.

**LEGEND:**

- NATIVE STREAM BED COBBLES
- SILTY GRAVEL
- BANK EROSION
- HEAVY STONE FILL
- EXTRA HEAVY STONE FILL ITEM 620.01500925
- REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE, ITEM 582.06
- LIMITS OF EXCAVATION ITEM 203.02
- TRENCH AND CULVERT EXCAVATION ITEM 206.0201


**STREAM REPAIR TABLE**

LOCATION (X)	ITEM 620.01500925 VOLUME (CY)	ITEM 620.0801 VOLUME (CY)
1	141	-
2	782	98
3	124	16
4	21	-
5	114	14
6	83	11
TOTAL	1265	139

ITEM 620.0100925 CY : STONE FILLING (EXTRA HEAVY), CLASS IX  
ITEM 620.0801 CY : BEDDING MATERIAL

ALTERED ON: \_\_\_\_\_ AFFIXED ON: 11/15/2023

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_



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**PROPOSED PLAN AT MP 165.10**  
SCALE: 1" = 40'-0"

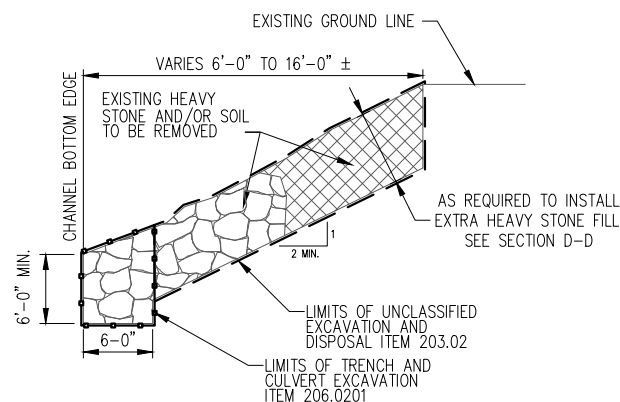
REVISIONS			
DATE	DESCRIPTION	BY	SYM.



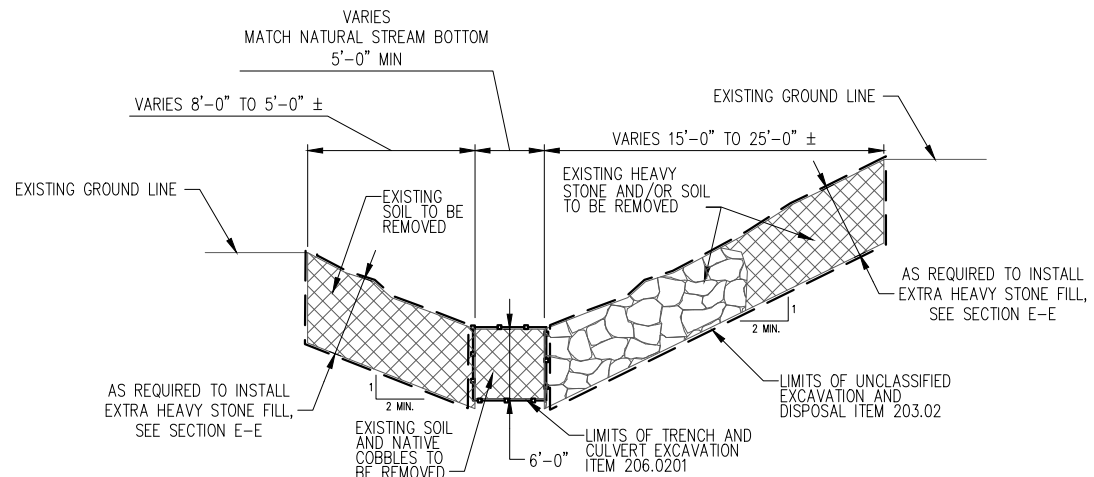
TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV 2023
TITLE OF DRAWING MP 165.10 I-90 OVER RESERVOIR ROAD & CREEK PROPOSED PLAN	DRAWING NUMBER: ST1-05

BIN 5513750

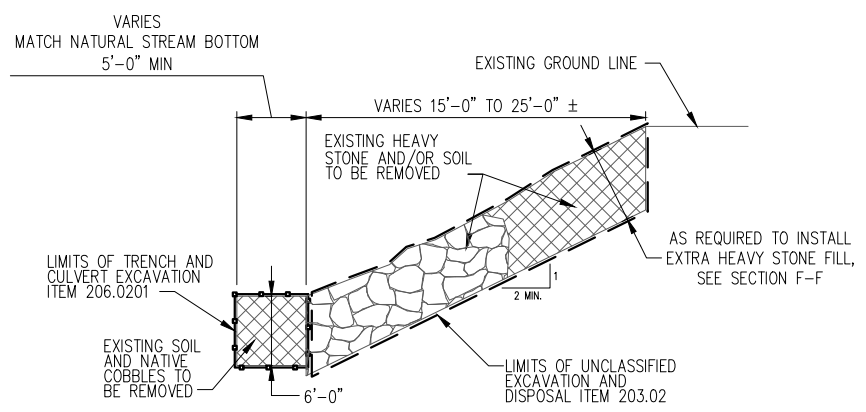
DESIGNED BY: NICK MYERS  
CHECKED BY: BRIAN POUND  
DRAFTED BY: NICK MYERS  
CHECKED BY: BRIAN POUND  
DESIGN SUPERVISOR: BRIAN POUND



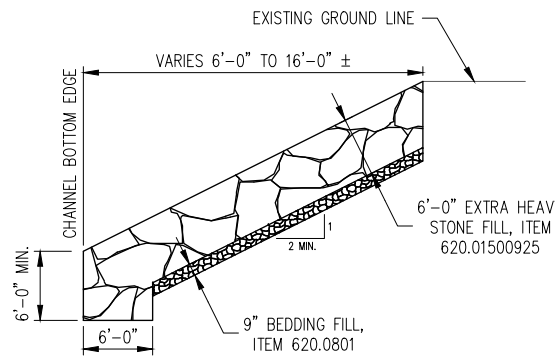
**SECTION A-A**  
NOT TO SCALE  
FACING DOWNSTREAM



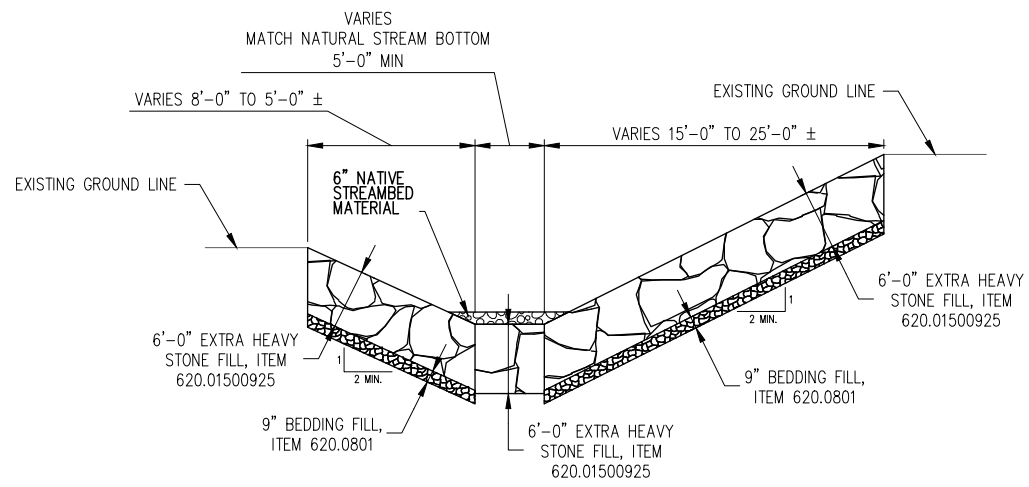
**SECTION B-B**  
NOT TO SCALE  
FACING DOWNSTREAM



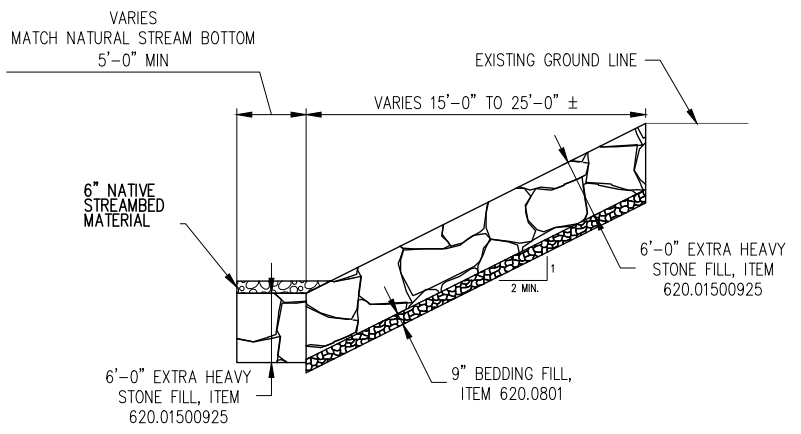
**SECTION C-C**  
NOT TO SCALE  
FACING DOWNSTREAM



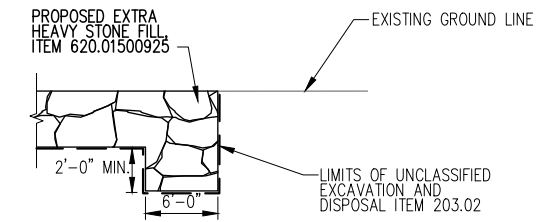
**SECTION D-D**  
NOT TO SCALE  
FACING DOWNSTREAM



**SECTION E-E**  
NOT TO SCALE  
FACING DOWNSTREAM

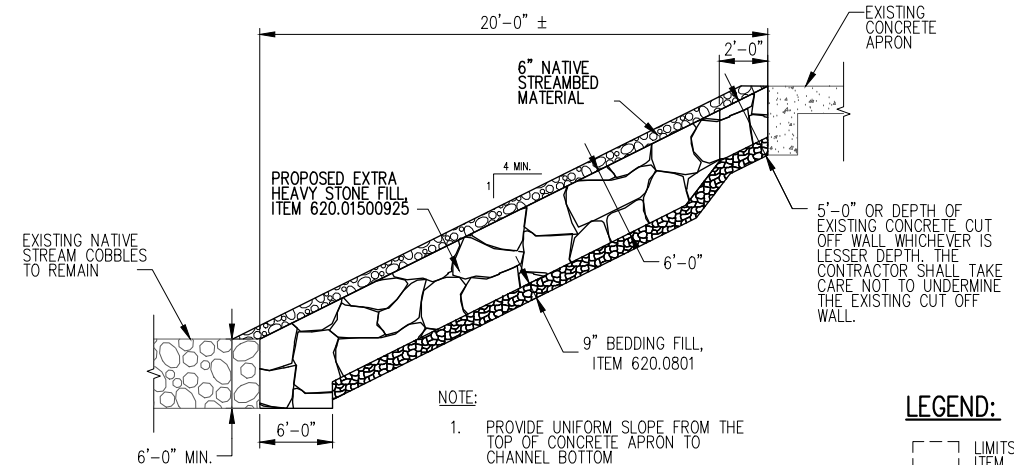


**SECTION F-F**  
NOT TO SCALE  
FACING DOWNSTREAM



**NOTE:**  
1. TYPICAL CUT OFF WALL IS USED TO KEY STONE FILL INTO BANK AT STONE FILL TERMINATION.

**TYPICAL CUT OFF WALL**  
NOT TO SCALE



**SECTION G-G**  
NOT TO SCALE

- NOTES:**
- EXISTING STONE MEETING THE REQUIREMENTS OF 620.01500925 MAY BE REUSED WITH APPROVAL FROM THE ENGINEER.
  - DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY.
  - A SERIES OF EXISTING DRAWINGS, SATELLITE IMAGES, AND FIELD MEASUREMENTS WERE USED TO CREATE THE PLAN AND SECTIONS. THESE DRAWINGS ARE NOT BASED ON TOPOGRAPHIC SURVEY THUS ALL INFORMATION AND DIMENSIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION AND COORDINATE WORK WITH THE ENGINEER.

- LEGEND:**
- LIMITS OF EXCAVATION ITEM 203.02
  - - - TRENCH AND CULVERT EXCAVATION ITEM 206.0201

ALTERED ON:	AFFIXED ON: 11/15/2023
SIGNATURE: STAMP:	SIGNATURE: STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 <b>Thruway Authority</b>	TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	BIN 5513750
	LOCATION OF PROJECT MP 165.10 TO MP 185.93	CONTRACT NUMBER: TAA 24-6B
 <b>PATRIOT</b> <small>DESIGN &amp; CONSULTING</small> <small>— STILL SERVING —</small>	TITLE OF DRAWING MP 165.10 I-90 OVER RESERVOIR ROAD & CREEK SITE SPECIFIC DETAILS	DATE: NOV 2023
		DRAWING NUMBER: ST1-06



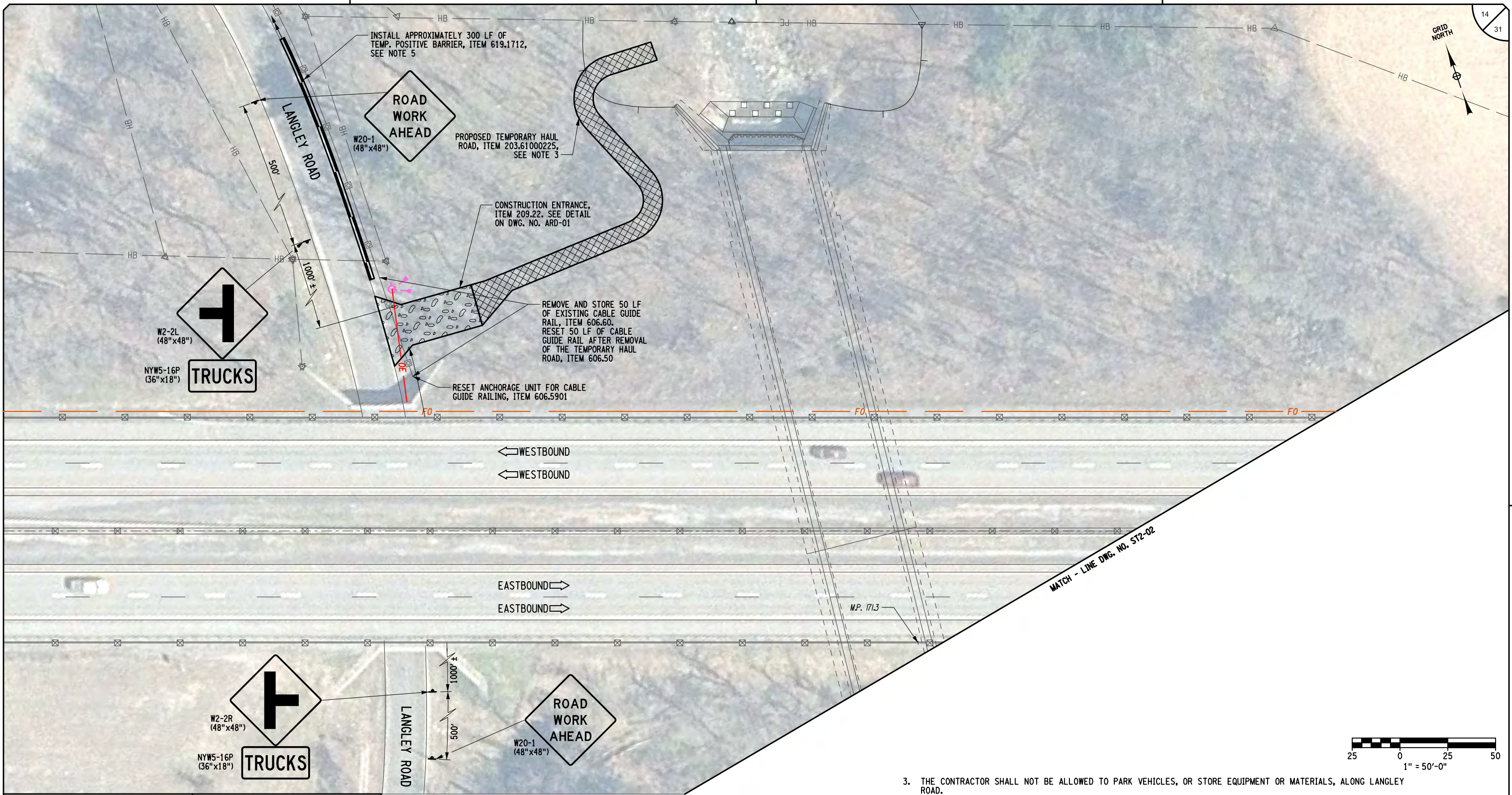
CHECKED BY: E. THOMPSON

DRAFTED BY: S. LOFORTE

CHECKED BY: E. THOMPSON

DESIGNED BY: S. LOFORTE

DESIGN SUPERVISOR: M. LAISTNER



ALTERED ON:

AFFIXED ON: 11/15/2023

SIGNATURE: STAMP:

SIGNATURE: STAMP:



**PROPOSED HAUL ROAD**  
SCALE: 1" = 50'-0"

**NOTES:**

1. EROSION AND SEDIMENT CONTROL FOR THE CONSTRUCTION OF TEMPORARY HAUL ROADS SHALL BE PROVIDED AS REQUIRED BY SECTION 209 AND AS DIRECTED BY THE ENGINEER. COST OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INCLUDED UNDER ITEM 203.6100X25.
2. UPON COMPLETION OF THE PROJECT WORK, MATERIALS USED TO CONSTRUCT OR MAINTAIN THE TEMPORARY HAUL ROADS THROUGHOUT CONSTRUCTION SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER. THE COST TO REMOVE MATERIALS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 203.6100X25.

3. THE CONTRACTOR SHALL NOT BE ALLOWED TO PARK VEHICLES, OR STORE EQUIPMENT OR MATERIALS, ALONG LANGLEY ROAD.
4. THE TEMPORARY HAUL ROADS AS SHOWN ARE CONCEPTUAL. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, MAINTAIN, AND REMOVE THE TEMPORARY HAUL ROADS. THE EXACT LOCATION, LAYOUT, AND CONSTRUCTION METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION OF THE TEMPORARY HAUL ROADS SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER.
5. INSTALL TEMP. POSITIVE BARRIER TO SHIELD SIDE SLOPE FULL LENGTH OF EXISTING CABLE GUIDE RAIL, ITEM 619.1712, LIMITS AS DETERMINED BY THE ENGINEER (FOR ESTIMATING PURPOSES, ASSUME 300 LF). TAPER END SECTIONS SHALL BE INSTALLED AT EACH END OF THE BARRIER AND FLARED IN ACCORDANCE WITH THE SPECIFICATION.
6. THE COST FOR TREE REMOVALS ASSOCIATED WITH CONSTRUCTING AND MAINTAINING HAUL ROADS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 203.6100X25.

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  
SCOUR REPAIR AT VARIOUS BRIDGES

LOCATION OF PROJECT  
MP 165.10 TO MP 185.93

TITLE OF DRAWING  
MP 171.31  
I-90 / TERWILLEGGER CREEK  
PROPOSED HAUL ROAD  
(1 OF 2)

BIN 5515800

CONTRACT NUMBER:  
TAA 24-6B

DATE:  
NOV. 2023

DRAWING NUMBER:  
ST2-01



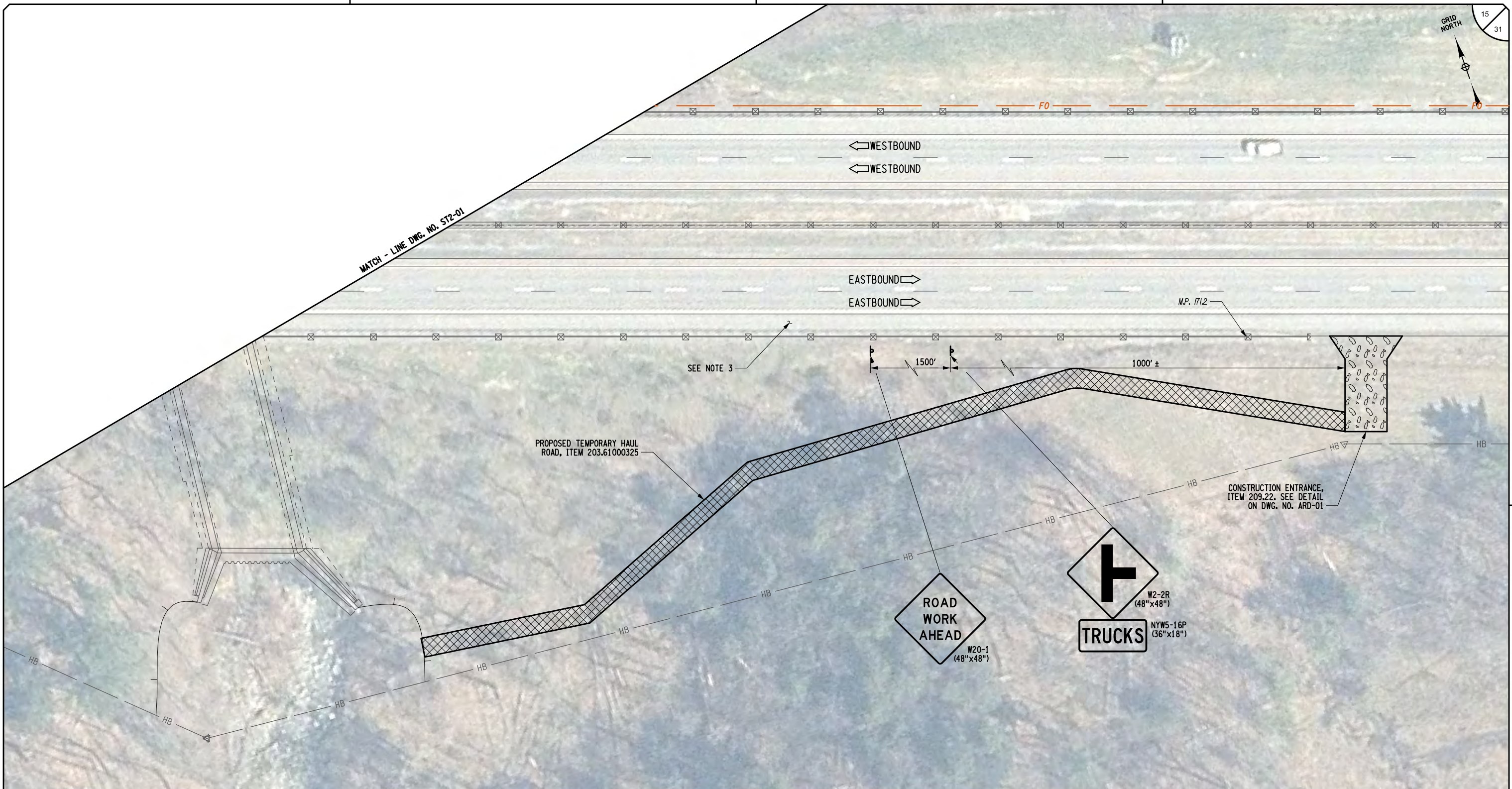
CHECKED BY: E. THOMPSON

DRAFTED BY: S. LOFORTE

CHECKED BY: E. THOMPSON

DESIGNED BY: S. LOFORTE

DESIGN SUPERVISOR: M. LAISTNER

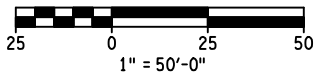


ALTERED ON:

AFFIXED ON: 11/15/2023

SIGNATURE:  
STAMP:

SIGNATURE:  
STAMP:



**PROPOSED HAUL ROAD**  
SCALE: 1" = 50'-0"

- NOTES:**
- EROSION AND SEDIMENT CONTROL FOR THE CONSTRUCTION OF TEMPORARY HAUL ROADS SHALL BE PROVIDED AS REQUIRED BY SECTION 209 AND AS DIRECTED BY THE ENGINEER. COST OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INCLUDED UNDER ITEM 203.6100XX25.
  - UPON COMPLETION OF THE PROJECT WORK, MATERIALS USED TO CONSTRUCT OR MAINTAIN THE TEMPORARY HAUL ROADS THROUGHOUT CONSTRUCTION SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER. THE COST TO REMOVE MATERIALS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 203.6100XX25.

- PROVIDE A SHOULDER CLOSURE AS PER NYSTA STANDARD SHEET TA 619-03 SHOULD ANY EQUIPMENT AND/OR MATERIALS REQUIRE UNLOADING OR LOADING WHILE OCCUPYING THE SHOULDER.
- THE TEMPORARY HAUL ROADS AS SHOWN ARE CONCEPTUAL. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, MAINTAIN, AND REMOVE THE TEMPORARY HAUL ROADS. THE EXACT LOCATION, LAYOUT, AND CONSTRUCTION METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION OF THE TEMPORARY HAUL ROADS SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER.
- THE COST FOR TREE REMOVALS ASSOCIATED WITH CONSTRUCTING AND MAINTAINING HAUL ROADS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 203.6100XX25.

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

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

TITLE OF PROJECT  
SCOUR REPAIR AT VARIOUS BRIDGES

LOCATION OF PROJECT  
MP 165.10 TO MP 185.93

TITLE OF DRAWING  
MP 171.31  
I-90 / TERWILLEGER CREEK  
PROPOSED HAUL ROAD  
(2 OF 2)

BIN 5515800

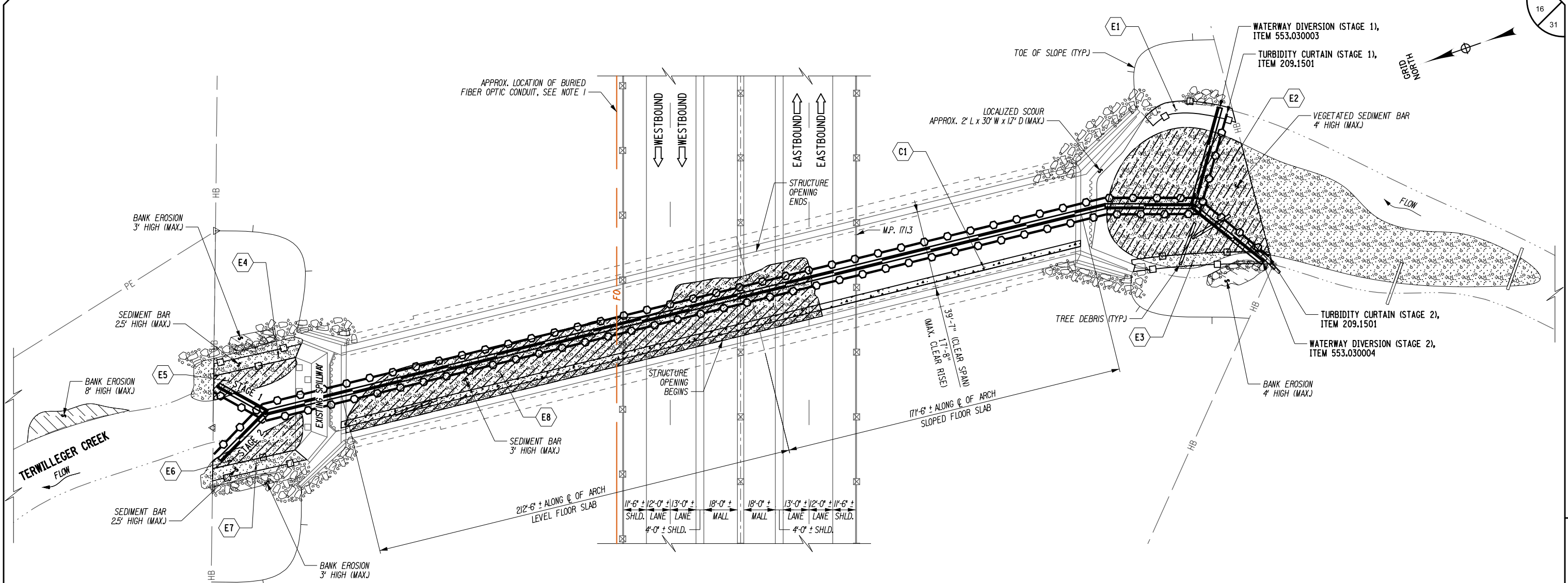
CONTRACT NUMBER:  
TAA 24-6B

DATE:  
NOV. 2023

DRAWING NUMBER:  
ST2-02



CHECKED BY: M. SAVINO  
 DRAFTED BY: M. TANG  
 CHECKED BY: M. SAVINO  
 DESIGNED BY: M. TANG  
 DESIGN SUPERVISOR: M. LAISTNER



**EXISTING PLAN**  
SCALE: 1" = 50'-0"

**EXCAVATION QUANTITY TABLE**

LOCATION X*	ITEM 203.02 VOLUME (CY)	ITEM 206.0201 VOLUME (CY)
E1	--	40
E2	544	--
E3	--	61
E4	--	58
E5	39	--
E6	46	--
E7	--	61
E8	571	--
<b>TOTAL</b>	<b>1,200</b>	<b>220</b>

**CONCRETE REPAIR TABLE**

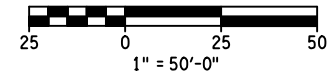
LOCATION X*	DESCRIPTION	ITEM 582.06 AREA (SF)
C1	FLOOR SLAB	1,153
<b>TOTAL</b>	<b>--</b>	<b>1,153</b>

- CONCRETE REPAIR NOTES:**
1. CONCRETE REPAIR LOCATIONS AND LIMITS ARE APPROXIMATE. ACTUAL REPAIR LIMITS SHALL BE AOB.
  2. SEE DRAWING NO. CD-01 FOR IMAGE OF TYP. REPAIR AREA.

- NOTES:**
1. WARNING: UNDERGROUND FIBER OPTIC CONDUIT. SEE GENERAL NOTES DRAWING NO. GN-01, RECONSTRUCTION NOTE 7.
  2. TO MINIMIZE THE AMOUNT OF MATERIAL REQUIRING DISPOSAL, MATERIALS EXCAVATED UNDER ITEMS 203.02 AND 206.0201 THAT ARE NOT UTILIZED BY OTHER PAY ITEMS MAY REMAIN ON SITE IF PLACED ABOVE THE TOP OF STREAM BANK AND WITHIN THE HIGHWAY BOUNDARY, WITH APPROVAL FROM THE ENGINEER.
  3. EXISTING STONE MEETING THE REQUIREMENTS OF ITEM 620.05 OR 620.0150XX25 MAY REMAIN ON SITE AND BE REUSED WITH APPROVAL FROM THE ENGINEER AND IN SUCH CASES SHALL BE PAID FOR UNDER ITEM 613.04000001.
  4. THE CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, MAINTAIN, AND REMOVE THE TEMPORARY WATERWAY DIVERSION STRUCTURE AND TURBIDITY CURTAIN FOR STAGES 1 AND 2. THE EXACT LOCATION, LAYOUT, AND METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER.
  5. FOR TYPICAL STREAM PROTECTION DETAILS, SEE DRAWING NO. SD-01.

**LEGEND**

	REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE, ITEM 582.06		SEDIMENT BAR (SILT/GRAVEL/COBBLE/ETC.)		TURBIDITY CURTAIN - TEMPORARY, ITEM 209.1501
	UNCLASSIFIED EXCAVATION AND DISPOSAL, ITEM 203.02		RAW CHANNEL BANK		WATERWAY DIVERSION, ITEM 553.03nnnn
	AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH AND CULVERT EXCAVATION, ITEM 206.0201		EXISTING STONE		



ALTERED ON: \_\_\_\_\_ AFFIXED ON: 11/15/2023

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ STAMP: \_\_\_\_\_

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

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING MP 171.31 I-90 / TERWILLEGER CREEK EXISTING PLAN	DRAWING NUMBER: ST2-03

BIN 5515800



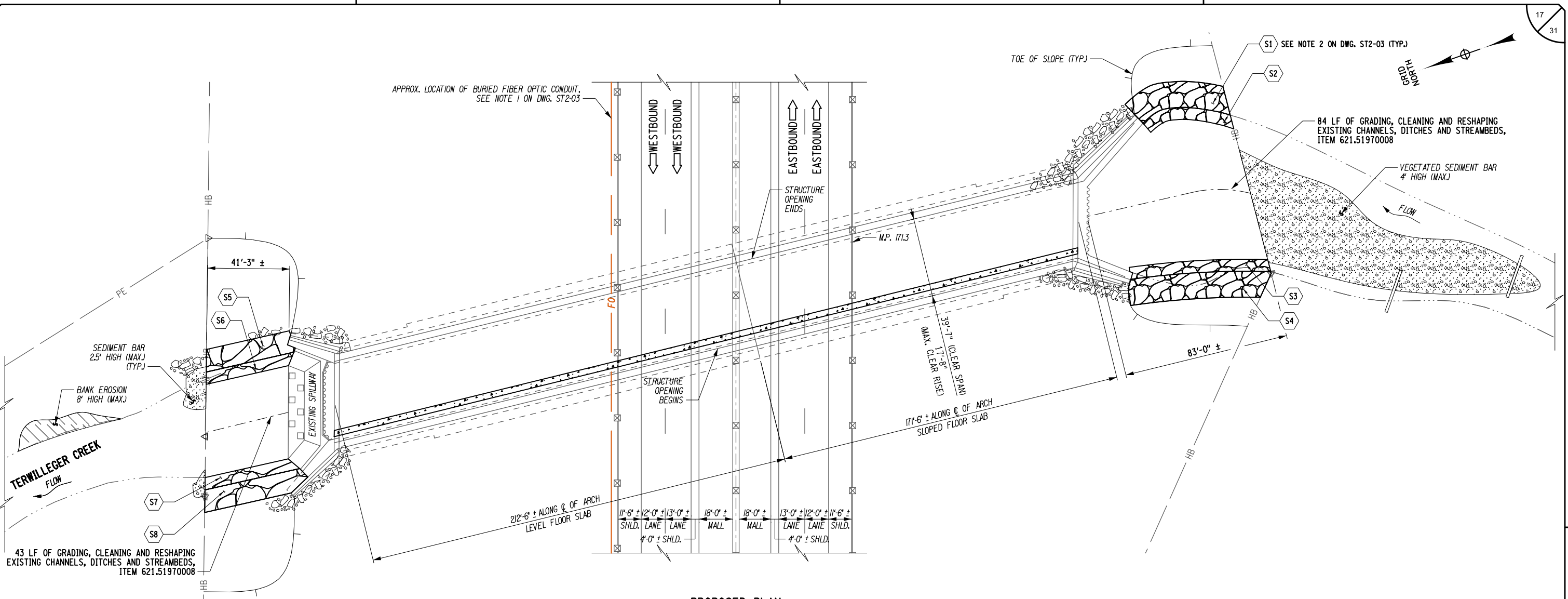
CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

DESIGN SUPERVISOR: M. LAISTNER



**PROPOSED PLAN**  
SCALE: 1" = 50'-0"

**STREAM REPAIR TABLE**

LOCATION X*	ELEMENT	ITEM 613.04000001 VOLUME (CY)	ITEM 620.0150XX25		ITEM 620.05 VOLUME (CY)	ITEM 620.0801 VOLUME (CY)
			CLASS	VOLUME (CY)		
S1	BANK	--	--	--	60	18
S2	KEY	--	--	--	40	--
S3	KEY	--	--	--	62	--
S4	BANK	--	--	--	83	24
S5	BANK	--	10	142	--	13
S6	KEY	--	10	95	--	--
S7	KEY	--	10	99	--	--
S8	BANK	--	10	164	--	15
TOTAL	--	--	10	500	245	70

ITEM 613.04000001 - STOCKPILING AND PLACING EXISTING STREAM BED MATERIALS  
 ITEM 620.0150XX25 - STONE FILLING, CLASS XX  
 ITEM 620.05 - STONE FILLING (HEAVY)  
 ITEM 620.0801 - BEDDING MATERIAL, TYPE 1

ALTERED ON: 11/15/2023

AFFIXED ON: 11/15/2023

SIGNATURE: [Signature]  
 STAMP: [Professional Engineer Seal for Michael L. Savino, License No. 101753]

**LEGEND**

- REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE, ITEM 582.06
- UNCLASSIFIED EXCAVATION AND DISPOSAL, ITEM 203.02
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH AND CULVERT EXCAVATION, ITEM 206.0201
- SEDIMENT BAR (SILT/GRAVEL/COBBLE/ETC.)
- RAW CHANNEL BANK
- EXISTING STONE
- STONE FILLING (HEAVY), ITEM 620.05
- STONE FILLING, CLASS XX, ITEM 620.0150XX25

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



**NOTES:**

- FOR NOTES, SEE DRAWING NO. ST2-03.

Scale: 1" = 50'-0"

BIN 5515800

TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING MP 171.31 I-90 / TERWILLEGER CREEK PROPOSED PLAN	DRAWING NUMBER: ST2-04

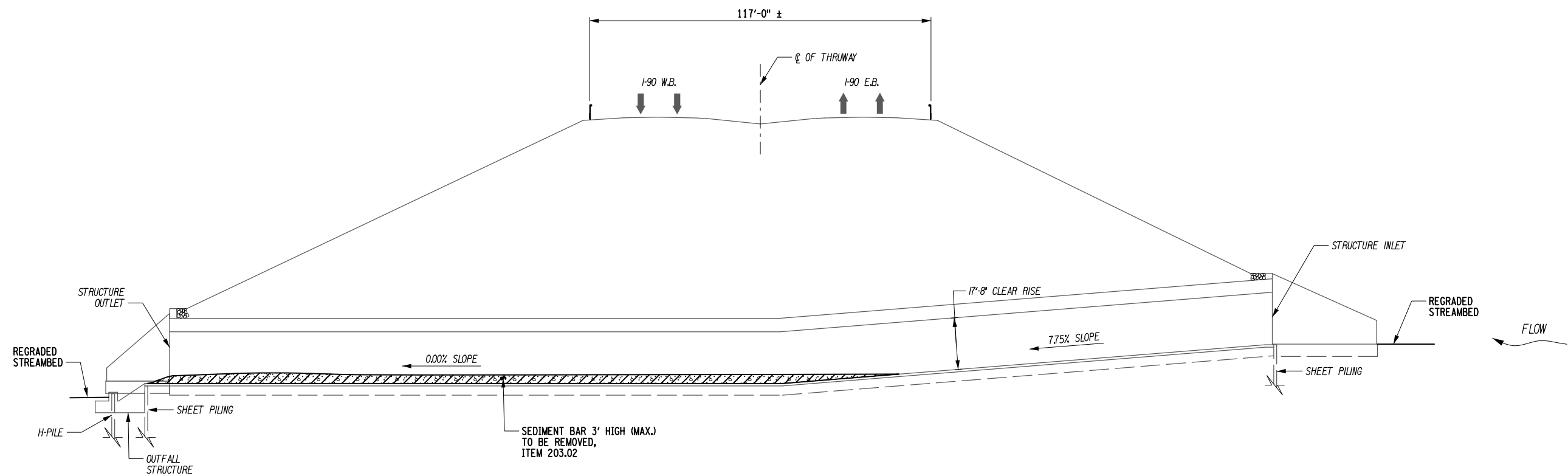
CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG


CHECKED BY: M. SAVINO

DESIGNED BY: M. TANG

DESIGN SUPERVISOR: M. LAISTNER



**LONGITUDINAL SECTION**  
NOT TO SCALE

ALTERED ON:	AFFIXED ON: 11/15/2023
SIGNATURE: STAMP:	SIGNATURE: STAMP: 

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REVISIONS			
DATE	DESCRIPTION	BY	SYML

 **Thruway Authority**

 **POPPLI DESIGN GROUP**

TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING MP 171.31 I-90 / TERWILLEGER CREEK SITE SPECIFIC DETAILS	DRAWING NUMBER: ST2-05

BIN 5515800



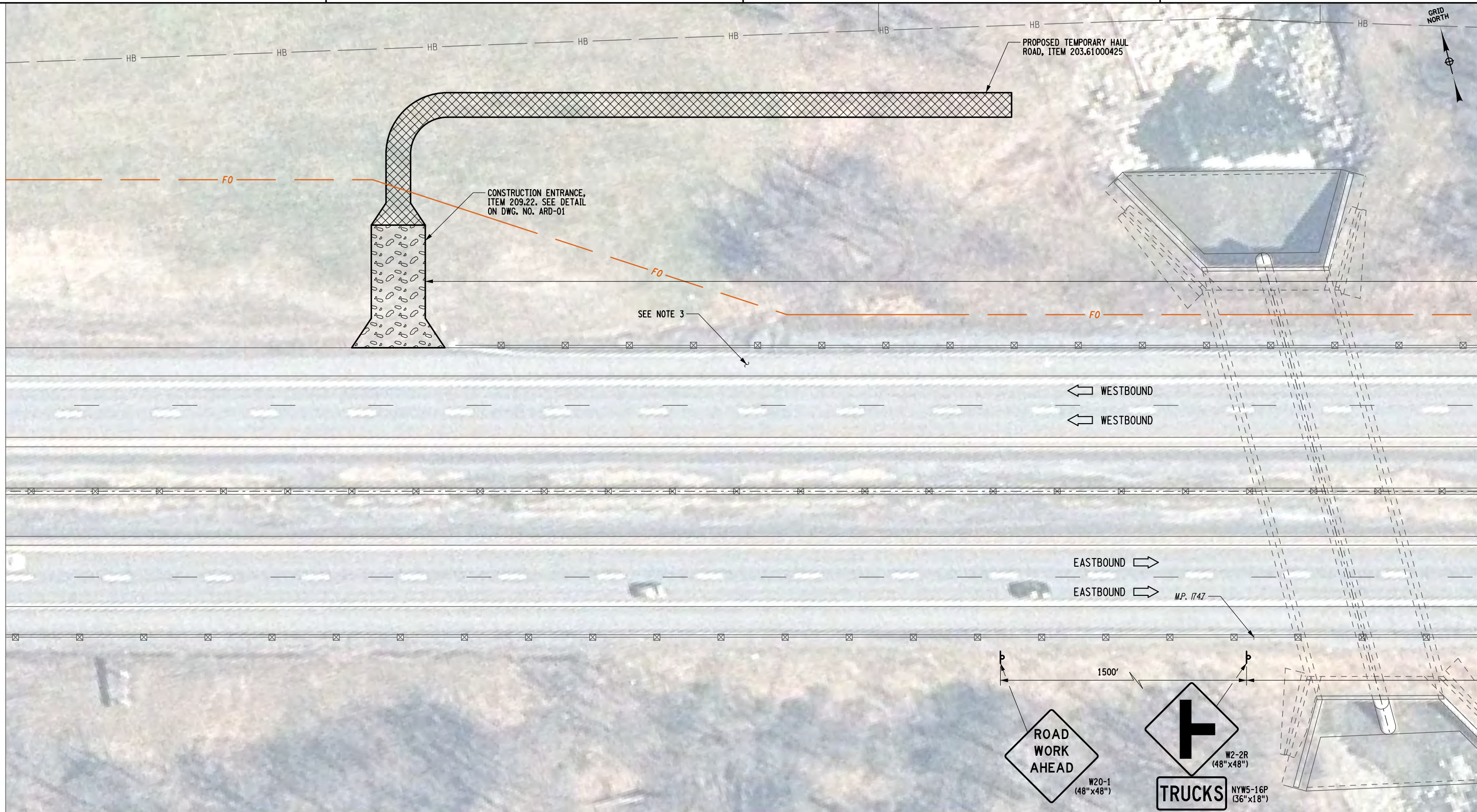
CHECKED BY: E. THOMPSON

DRAFTED BY: S. LOFORTE

CHECKED BY: E. THOMPSON

DESIGNED BY: S. LOFORTE

DESIGN SUPERVISOR: M. LAISTNER

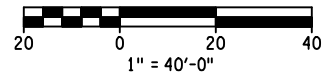


ALTERED ON:

AFFIXED ON: 11/15/2023

SIGNATURE: STAMP:

SIGNATURE: STAMP:



PROPOSED HAUL ROAD  
SCALE: 1" = 40'-0"

NOTES:

- EROSION AND SEDIMENT CONTROL FOR THE CONSTRUCTION OF TEMPORARY HAUL ROADS SHALL BE PROVIDED AS REQUIRED BY SECTION 209 AND AS DIRECTED BY THE ENGINEER. COST OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INCLUDED UNDER ITEM 203.6100XX25.
- UPON COMPLETION OF THE PROJECT WORK, MATERIALS USED TO CONSTRUCT OR MAINTAIN THE TEMPORARY HAUL ROADS THROUGHOUT CONSTRUCTION SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER. THE COST TO REMOVE MATERIALS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 203.6100XX25.

- PROVIDE A SHOULDER CLOSURE AS PER NYSTA STANDARD SHEET TA 619-03 SHOULD ANY EQUIPMENT AND/OR MATERIALS REQUIRE UNLOADING OR LOADING WHILE OCCUPYING THE SHOULDER.
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- THE COST FOR TREE REMOVALS ASSOCIATED WITH CONSTRUCTING AND MAINTAINING HAUL ROADS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 203.6100XX25.

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REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT: SCOUR REPAIR AT VARIOUS BRIDGES  
 LOCATION OF PROJECT: MP 165.10 TO MP 185.93  
 TITLE OF DRAWING: MP 174.71 I-90 / SOUTH CHUCTANUNDA CRK PROPOSED HAUL ROAD (1 OF 2)

BIN 5515830  
 CONTRACT NUMBER: TAA 24-6B  
 DATE: NOV. 2023  
 DRAWING NUMBER: ST3-01



CHECKED BY: E. THOMPSON

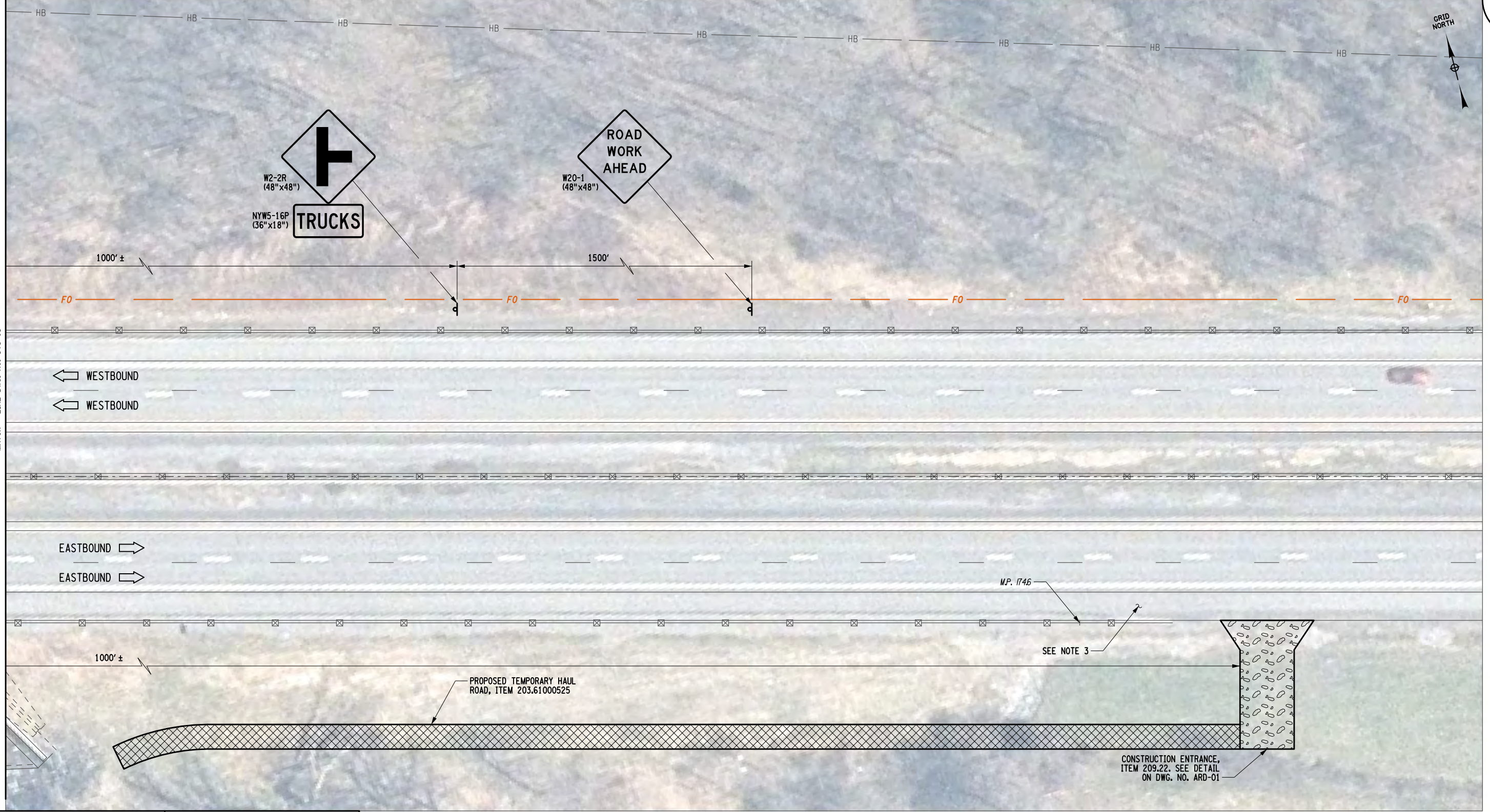
DRAFTED BY: S. LOFORTE

CHECKED BY: E. THOMPSON

DESIGNED BY: S. LOFORTE

DESIGN SUPERVISOR: M. LAISTNER

20  
31



ALTERED ON:

SIGNATURE:  
STAMP:

AFFIXED ON:  
**11/15/2023**

SIGNATURE:  
STAMP:

**PROPOSED HAUL ROAD**  
SCALE: 1" = 40'-0"

**NOTES:**

- EROSION AND SEDIMENT CONTROL FOR THE CONSTRUCTION OF TEMPORARY HAUL ROADS SHALL BE PROVIDED AS REQUIRED BY SECTION 209 AND AS DIRECTED BY THE ENGINEER. COST OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INCLUDED UNDER ITEM 203.6100X25.
- UPON COMPLETION OF THE PROJECT WORK, MATERIALS USED TO CONSTRUCT OR MAINTAIN THE TEMPORARY HAUL ROADS THROUGHOUT CONSTRUCTION SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER. THE COST TO REMOVE MATERIALS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 203.6100X25.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

- PROVIDE A SHOULDER CLOSURE AS PER NYSTA STANDARD SHEET TA 619-03 SHOULD ANY EQUIPMENT AND/OR MATERIALS REQUIRE UNLOADING OR LOADING WHILE OCCUPYING THE SHOULDER.
- THE TEMPORARY HAUL ROADS AS SHOWN ARE CONCEPTUAL. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, MAINTAIN, AND REMOVE THE TEMPORARY HAUL ROADS. THE EXACT LOCATION, LAYOUT, AND CONSTRUCTION METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION OF THE TEMPORARY HAUL ROADS SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER.
- THE COST FOR TREE REMOVALS ASSOCIATED WITH CONSTRUCTING AND MAINTAINING HAUL ROADS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 203.6100X25.

**NEW YORK STATE OF OPPORTUNITY**  
**Thruway Authority**

**PDG**  
POPPLI DESIGN GROUP

TITLE OF PROJECT  
SCOUR REPAIR AT VARIOUS BRIDGES

LOCATION OF PROJECT  
MP 165.10 TO MP 185.93

TITLE OF DRAWING  
MP 174.71  
I-90 / SOUTH CHUCTANUNDA CRK  
PROPOSED HAUL ROAD  
(2 OF 2)

BIN 5515830

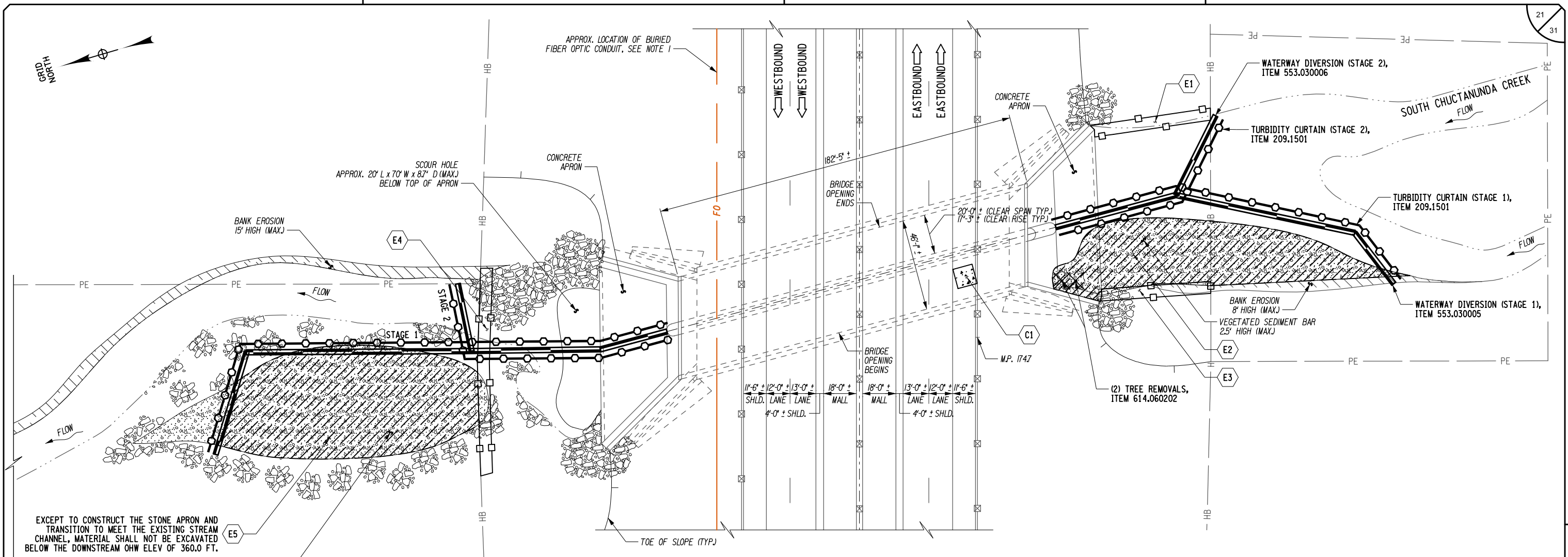
CONTRACT NUMBER:  
TAA 24-6B

DATE:  
NOV. 2023

DRAWING NUMBER:  
ST3-02



CHECKED BY: M. SAVINO  
 DRAFTED BY: M. TANG  
 CHECKED BY: M. SAVINO  
 DESIGNED BY: M. TANG  
 DESIGN SUPERVISOR: M. LAISTNER



EXCEPT TO CONSTRUCT THE STONE APRON AND TRANSITION TO MEET THE EXISTING STREAM CHANNEL, MATERIAL SHALL NOT BE EXCAVATED BELOW THE DOWNSTREAM OHW ELEV OF 360.0 FT.

**EXCAVATION QUANTITY TABLE**

LOCATION X#	ITEM 203.02 VOLUME (CY)	ITEM 206.0201 VOLUME (CY)
E1	--	53
E2	200	--
E3	--	49
E4	--	138
E5	400	--
<b>TOTAL</b>	<b>600</b>	<b>240</b>

**CONCRETE REPAIR TABLE**

LOCATION X#	DESCRIPTION	ITEM 582.06 AREA (SF)
C1	FLOOR SLAB	100
<b>TOTAL</b>	<b>--</b>	<b>100</b>

- CONCRETE REPAIR NOTES:**
1. CONCRETE REPAIR LOCATIONS AND LIMITS ARE APPROXIMATE. ACTUAL REPAIR LIMITS SHALL BE AOB.
  2. SEE DRAWING NO. CD-01 FOR IMAGE OF TYP. REPAIR AREA.

**LEGEND**

	REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE, ITEM 582.06		SEDIMENT BAR (SILT/GRAVEL/COBBLE/ETC.)		TURBIDITY CURTAIN - TEMPORARY, ITEM 209.1501
	UNCLASSIFIED EXCAVATION AND DISPOSAL, ITEM 203.02		RAW CHANNEL BANK		WATERWAY DIVERSION, ITEM 553.03nnnn
	AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH AND CULVERT EXCAVATION, ITEM 206.0201		EXISTING STONE		

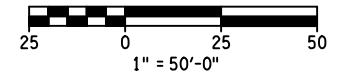
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING MP 174.71 I-90 / SOUTH CHUCTANUNDA CRK EXISTING PLAN	DRAWING NUMBER: ST3-03

- NOTES:**
1. WARNING: UNDERGROUND FIBER OPTIC CONDUIT. SEE GENERAL NOTES DRAWING NO. GN-01, RECONSTRUCTION NOTE 7.
  2. TO MINIMIZE THE AMOUNT OF MATERIAL REQUIRING DISPOSAL, MATERIALS EXCAVATED UNDER ITEMS 203.02 AND 206.0201 THAT ARE NOT UTILIZED BY OTHER PAY ITEMS MAY REMAIN ON SITE IF PLACED ABOVE THE TOP OF STREAM BANK AND WITHIN THE HIGHWAY BOUNDARY, WITH APPROVAL FROM THE ENGINEER.
  3. EXISTING STONE MEETING THE REQUIREMENTS OF ITEM 620.05 OR 620.0150XX25 MAY REMAIN ON SITE AND BE REUSED WITH APPROVAL FROM THE ENGINEER AND IN SUCH CASES SHALL BE PAID FOR UNDER ITEM 613.04000001.
  4. THE CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, MAINTAIN, AND REMOVE THE TEMPORARY WATERWAY DIVERSION STRUCTURE AND TURBIDITY CURTAIN FOR STAGES 1 AND 2. THE EXACT LOCATION, LAYOUT, AND METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER.
  5. FOR TYPICAL STREAM PROTECTION DETAILS, SEE DRAWING NO. SD-01.



BIN 5515830



CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

CHECKED BY: M. SAVINO

DESIGNED BY: M. TANG

DESIGN SUPERVISOR: M. LAISTNER



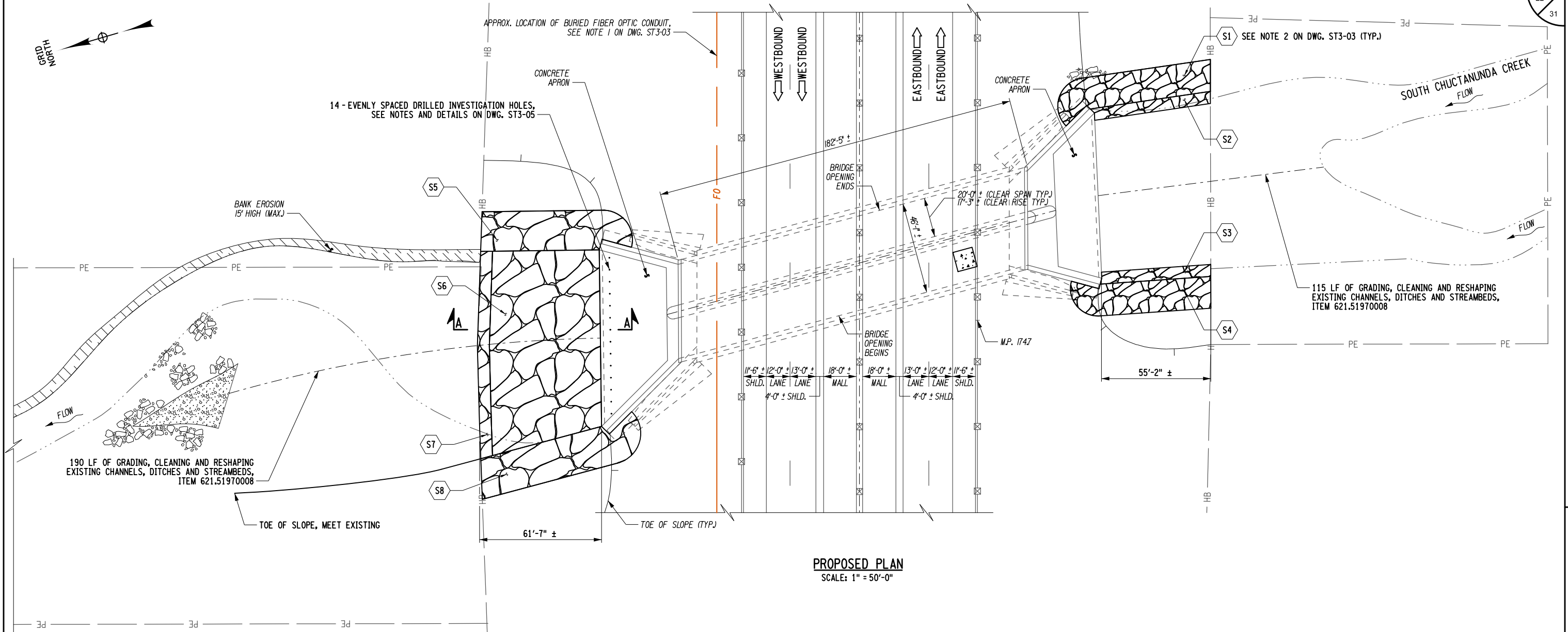
APPROX. LOCATION OF BURIED FIBER OPTIC CONDUIT, SEE NOTE 1 ON DWG. ST3-03

14 - EVENLY SPACED DRILLED INVESTIGATION HOLES, SEE NOTES AND DETAILS ON DWG. ST3-05

BANK EROSION 15' HIGH (MAX)

190 LF OF GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS, ITEM 621.51970008

115 LF OF GRADING, CLEANING AND RESHAPING EXISTING CHANNELS, DITCHES AND STREAMBEDS, ITEM 621.51970008



PROPOSED PLAN  
SCALE: 1" = 50'-0"

STREAM REPAIR TABLE

LOCATION	ELEMENT	ITEM 613.04000001		ITEM 620.0150XX25		ITEM 620.05		ITEM 620.0801	
		VOLUME (CY)	CLASS	WEIGHT (TON)	VOLUME (CY)	VOLUME (CY)	VOLUME (CY)	VOLUME (CY)	
S1	BANK	--	--	--	--	116	34	--	--
S2	KEY	--	--	--	--	53	--	--	--
S3	KEY	--	--	--	--	50	--	--	--
S4	BANK	--	--	--	--	101	30	--	--
S5	BANK	--	08	425	--	39	--	--	--
S6	APRON	67	08	1,590	--	148	--	--	--
S7	KEY	8	08	223	--	--	--	--	--
S8	BANK	--	08	482	--	44	--	--	--
TOTAL	--	75	08	2,720	320	295	--	--	--

ITEM 613.04000001 - STOCKPILING AND PLACING EXISTING STREAM BED MATERIALS  
ITEM 620.0150XX25 - STONE FILLING, CLASS XX  
ITEM 620.05 - STONE FILLING (HEAVY)  
ITEM 620.0801 - BEDDING MATERIAL, TYPE 1

LEGEND

- REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE, ITEM 582.06
- UNCLASSIFIED EXCAVATION AND DISPOSAL, ITEM 203.02
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH AND CULVERT EXCAVATION, ITEM 206.0201
- SEDIMENT BAR (SILT/GRAVEL/COBBLE/ETC.)
- RAW CHANNEL BANK
- EXISTING STONE
- STONE FILLING (HEAVY), ITEM 620.05
- STONE FILLING, CLASS XX, ITEM 620.0150XX25

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 SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING MP 174.71 I-90 / SOUTH CHUCTANUNDA CRK PROPOSED PLAN	DRAWING NUMBER: ST3-04

NOTES:  
1. FOR NOTES, SEE DRAWING NO. ST3-03.  
2. FOR SECTION A-A, SEE DRAWING NO. ST3-05.

BIN 5515830



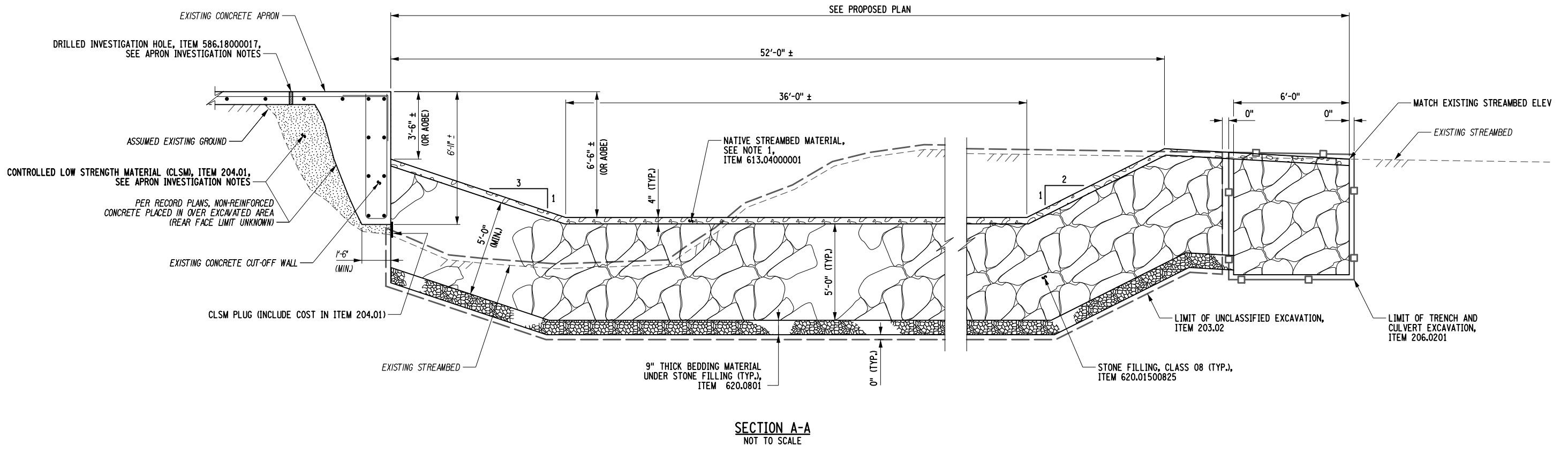
CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

DESIGN SUPERVISOR: M. LAISTNER



**APRON INVESTIGATION NOTES:**

1. THE CONTRACTOR SHALL DRILL INVESTIGATION HOLES IN THE CONCRETE APRON TO DETERMINE IF SUSPECTED UNDERMINING OF THE CUT-OFF WALL HAS RESULTED IN THE LOSS OF SUPPORTING MATERIAL FROM BENEATH THE APRON. IF VOIDS ARE FOUND TO EXIST, THE CONTRACTOR SHALL FILL THE VOIDED AREAS WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM) TO THE SATISFACTION OF THE ENGINEER. DRILLED HOLES IN THE CONCRETE APRON SHALL BE FILLED WITH NON-SHRINK GROUT MEETING MATERIAL SPECIFICATION 701-05.
2. DRILLING AND GROUTING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 586 - MISCELLANEOUS STRUCTURAL RECONSTRUCTION.
3. DRILLING AND GROUTING OF INVESTIGATION HOLES SHALL BE PAID FOR UNDER ITEM 586.18000017 - DRILLING HOLES IN EXISTING SUBSTRUCTURES.
4. THE CONTRACTOR SHALL DETERMINE THE HOLE DIAMETER THAT IS NECESSARY TO PERFORM THE ABOVE DESCRIBED WORK. THE COST FOR ANY ADDITIONAL DRILLED HOLES OR RE-DRILLING OF INVESTIGATION HOLES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 204.01 - CONTROLLED LOW STRENGTH MATERIAL (CLSM).

**NOTES:**

1. NATIVE STREAMBED MATERIAL SHALL BE UTILIZED TO CHOKE THE STONE FILLING APRONS.
2. DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALE IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.
3. FOR LOCATION OF SECTION A-A, SEE DRAWING NO. ST3-04.

ALTERED ON:	AFFIXED ON: 11/29/2023
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.

<b>Thruway Authority</b>	TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
	LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
	TITLE OF DRAWING MP 174.71 I-90 / SOUTH CHUCTANUNDA CRK SITE SPECIFIC DETAILS	DRAWING NUMBER: ST3-05
	BIN 5515830	



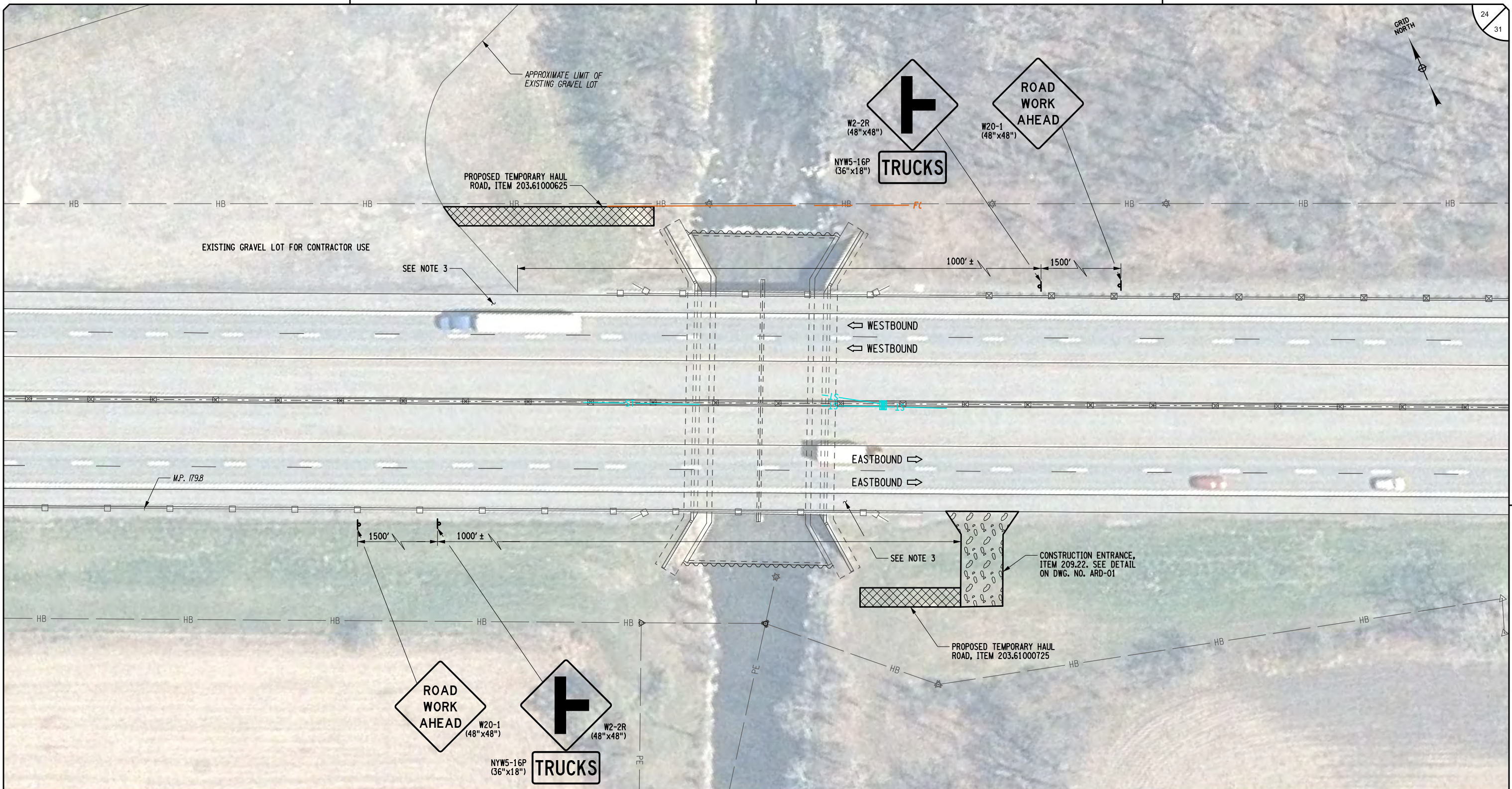
CHECKED BY: E. THOMPSON

DRAFTED BY: S. LOFORTE

CHECKED BY: E. THOMPSON

DESIGNED BY: S. LOFORTE

DESIGN SUPERVISOR: M. LAISTNER

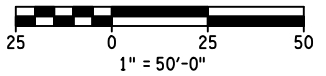


ALTERED ON:

AFFIXED ON: 11/15/2023

SIGNATURE: STAMP:

SIGNATURE: STAMP:



**PROPOSED HAUL ROAD**  
SCALE: 1" = 50'-0"

- NOTES:**
1. EROSION AND SEDIMENT CONTROL FOR THE CONSTRUCTION OF TEMPORARY HAUL ROADS SHALL BE PROVIDED AS REQUIRED BY SECTION 209 AND AS DIRECTED BY THE ENGINEER. COST OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INCLUDED UNDER ITEM 203.6100XX25.
  2. UPON COMPLETION OF THE PROJECT WORK, MATERIALS USED TO CONSTRUCT OR MAINTAIN THE TEMPORARY HAUL ROADS THROUGHOUT CONSTRUCTION SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER. THE COST TO REMOVE MATERIALS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 203.6100XX25.

3. PROVIDE A SHOULDER CLOSURE AS PER NYSTA STANDARD SHEET TA 619-03 SHOULD ANY EQUIPMENT AND/OR MATERIALS REQUIRE UNLOADING OR LOADING WHILE OCCUPYING THE SHOULDER.
4. THE TEMPORARY HAUL ROADS AS SHOWN ARE CONCEPTUAL. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, MAINTAIN, AND REMOVE THE TEMPORARY HAUL ROADS. THE EXACT LOCATION, LAYOUT, AND CONSTRUCTION METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION OF THE TEMPORARY HAUL ROADS SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER.
5. THE COST FOR TREE REMOVALS ASSOCIATED WITH CONSTRUCTING AND MAINTAINING HAUL ROADS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 203.6100XX25.

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

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT  
SCOUR REPAIR AT VARIOUS BRIDGES

LOCATION OF PROJECT  
MP 165.10 TO MP 185.93

TITLE OF DRAWING  
MP 179.76  
I-90 / SOUTH AURIES CREEK  
PROPOSED HAUL ROAD

BIN 5515870

CONTRACT NUMBER:  
TAA 24-6B

DATE:  
NOV. 2023

DRAWING NUMBER:  
ST4-01



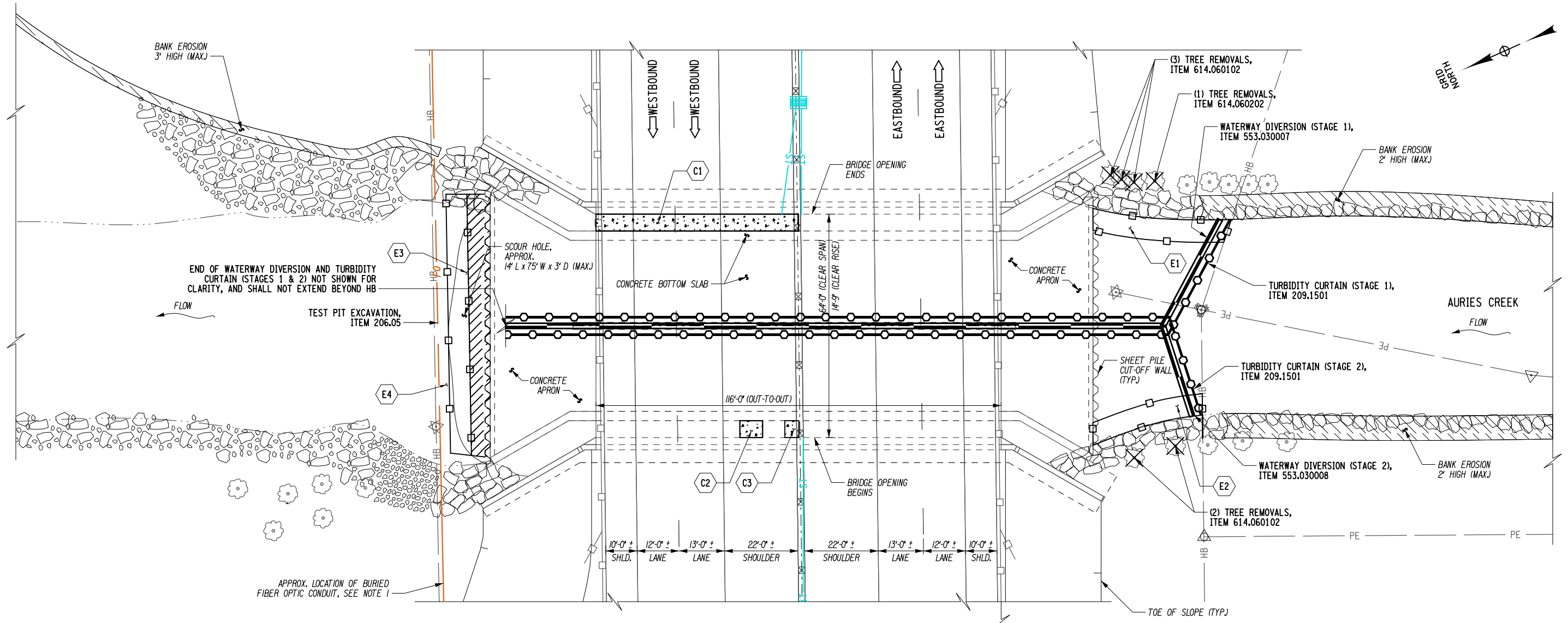
CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

DESIGN SUPERVISOR: M. LAISTNER



**EXCAVATION QUANTITY TABLE**

LOCATION X#	ITEM 203.02 VOLUME (CY)	ITEM 206.0201 VOLUME (CY)
E1	--	55
E2	--	44
E3	45	--
E4	--	66
<b>TOTAL</b>	<b>45</b>	<b>165</b>

**CONCRETE REPAIR TABLE**

LOCATION X#	DESCRIPTION	ITEM 582.06 AREA (SF)
C1	TOP OF FOOTING	281
C2	TOP OF FOOTING	32
C3	TOP OF FOOTING	20
<b>TOTAL</b>	<b>--</b>	<b>333</b>

**CONCRETE REPAIR NOTES:**

1. CONCRETE REPAIR LOCATIONS AND LIMITS ARE APPROXIMATE. ACTUAL REPAIR LIMITS SHALL BE AOB.
2. SEE DRAWING NO. CD-01 FOR IMAGE OF TYP. REPAIR AREA.

**LEGEND**

	REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE, ITEM 582.06		SEDIMENT BAR (SILT/GRAVEL/COBBLE/ETC.)		TURBIDITY CURTAIN - TEMPORARY, ITEM 209.1501
	UNCLASSIFIED EXCAVATION AND DISPOSAL, ITEM 203.02		RAW CHANNEL BANK		WATERWAY DIVERSION, ITEM 553.03nnnn
	AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH AND CULVERT EXCAVATION, ITEM 206.0201		EXISTING STONE		

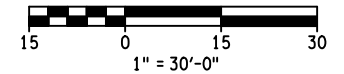
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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 SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING MP 179.76 I-90 / SOUTH AURIES CREEK EXISTING PLAN	DRAWING NUMBER: ST4-02

- NOTES:**
1. WARNING: UNDERGROUND FIBER OPTIC CONDUIT. SEE GENERAL NOTES DRAWING NO. GN-01, RECONSTRUCTION NOTE 7.
  2. TO MINIMIZE THE AMOUNT OF MATERIAL REQUIRING DISPOSAL, MATERIALS EXCAVATED UNDER ITEMS 203.02 AND 206.0201 THAT ARE NOT UTILIZED BY OTHER PAY ITEMS MAY REMAIN ON SITE IF PLACED ABOVE THE TOP OF STREAM BANK AND WITHIN THE HIGHWAY BOUNDARY, WITH APPROVAL FROM THE ENGINEER.
  3. EXISTING STONE MEETING THE REQUIREMENTS OF ITEM 620.05 OR 620.0150XX25 MAY REMAIN ON SITE AND BE REUSED WITH APPROVAL FROM THE ENGINEER AND IN SUCH CASES SHALL BE PAID FOR UNDER ITEM 613.04000001.
  4. THE CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, MAINTAIN, AND REMOVE THE TEMPORARY WATERWAY DIVERSION STRUCTURE AND TURBIDITY CURTAIN FOR STAGES 1 AND 2. THE EXACT LOCATION, LAYOUT, AND METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER.
  5. FOR TYPICAL STREAM PROTECTION DETAILS, SEE DRAWING NO. SD-01.



BIN 5515870

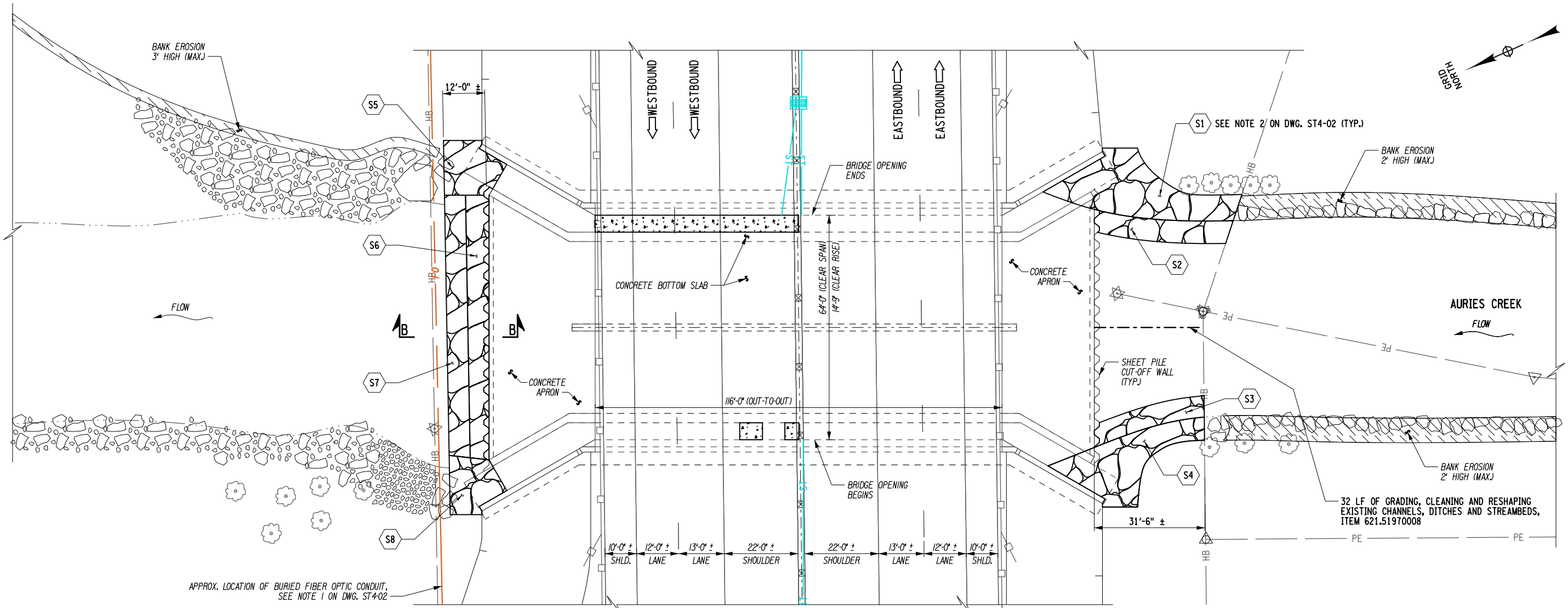
CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

CHECKED BY: M. SAVINO

DESIGNED BY: M. TANG

DESIGN SUPERVISOR: M. LAISTNER



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

STREAM REPAIR TABLE

LOCATION X#	ELEMENT	ITEM 613.04000001 VOLUME (CY)	ITEM 620.0150XX25		ITEM 620.05 VOLUME (CY)	ITEM 620.0801 VOLUME (CY)
			CLASS	VOLUME (CY)		
S1	BANK	--	08	179	--	16
S2	KEY	--	08	85	--	--
S3	KEY	--	08	68	--	--
S4	BANK	--	08	138	--	12
S5	BANK	--	09	65	--	6
S6	APRON	5	09	118	--	11
S7	KEY	5	09	161	--	--
S8	BANK	--	09	61	--	5
TOTAL	--	10	08/09	470/405	--	50

ITEM 613.04000001 - STOCKPILING AND PLACING EXISTING STREAM BED MATERIALS  
 ITEM 620.0150XX25 - STONE FILLING, CLASS XX  
 ITEM 620.05 - STONE FILLING (HEAVY)  
 ITEM 620.0801 - BEDDING MATERIAL, TYPE 1

ALTERED ON: \_\_\_\_\_ AFFIXED ON: 11/15/2023

SIGNATURE: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_  
 STAMP: \_\_\_\_\_ STAMP: \_\_\_\_\_

LEGEND

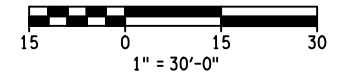
- REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE, ITEM 582.06
- UNCLASSIFIED EXCAVATION AND DISPOSAL, ITEM 203.02
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH AND CULVERT EXCAVATION, ITEM 206.0201
- SEDIMENT BAR (SILT/GRAVEL/COBBLE/ETC.)
- RAW CHANNEL BANK
- EXISTING STONE
- STONE FILLING (HEAVY), ITEM 620.05
- STONE FILLING, CLASS XX, ITEM 620.0150XX25

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.



- NOTES:
- FOR NOTES, SEE DRAWING NO. ST4-02.
  - FOR SECTION B-B, SEE DRAWING NO. SD-01.



TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING MP 179.76 I-90 / SOUTH AURIES CREEK PROPOSED PLAN	DRAWING NUMBER: ST4-03

BIN 5515870



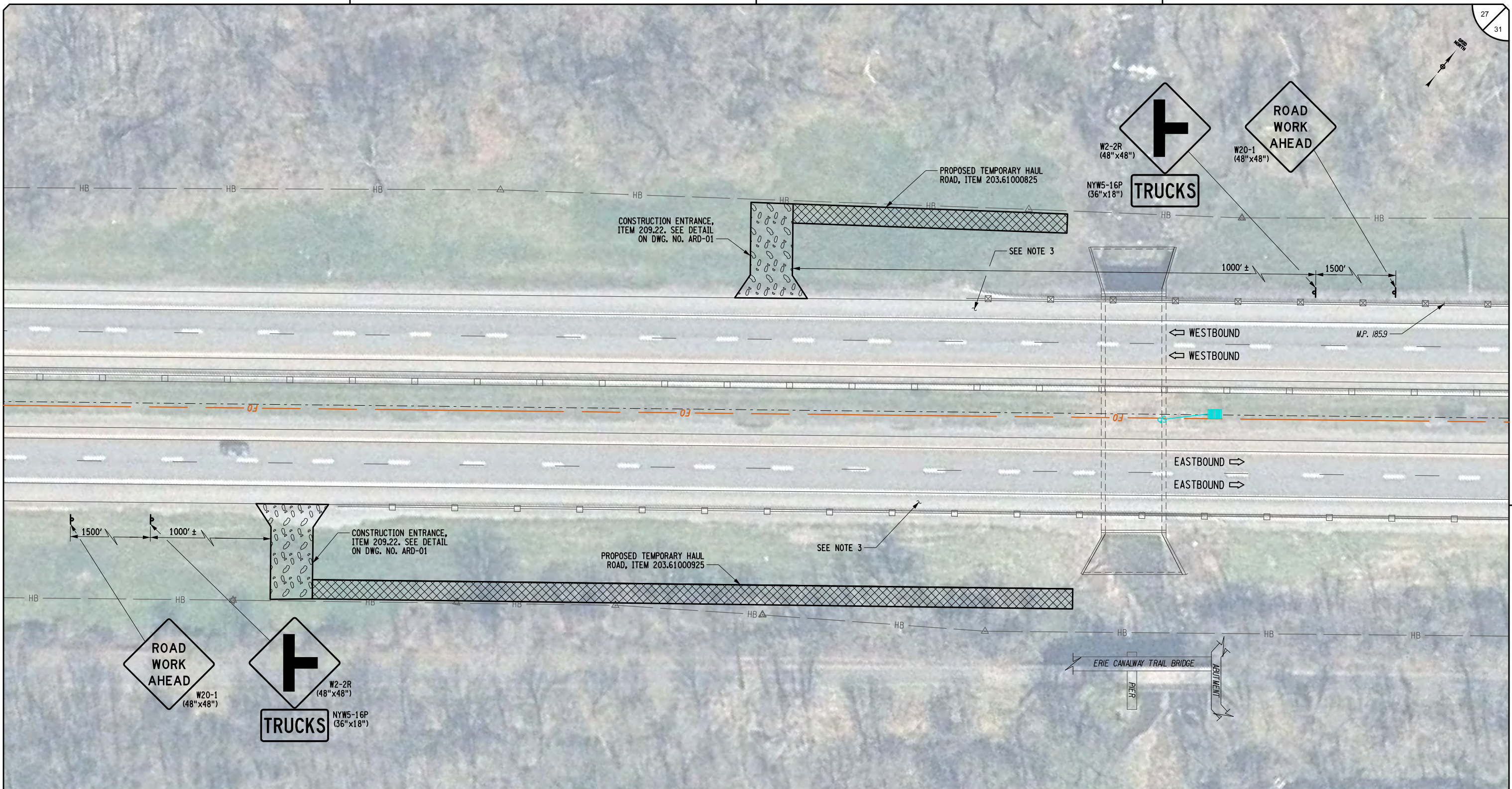
CHECKED BY: E. THOMPSON

DRAFTED BY: S. LOFORTE

CHECKED BY: E. THOMPSON

DESIGNED BY: S. LOFORTE

DESIGN SUPERVISOR: M. LAISTNER

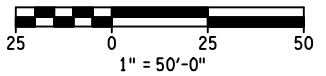


ALTERED ON:

AFFIXED ON: 11/15/2023

SIGNATURE:  
STAMP:

SIGNATURE:  
STAMP:



**PROPOSED HAUL ROAD**  
SCALE: 1" = 50'-0"

- NOTES:**
- EROSION AND SEDIMENT CONTROL FOR THE CONSTRUCTION OF TEMPORARY HAUL ROADS SHALL BE PROVIDED AS REQUIRED BY SECTION 209 AND AS DIRECTED BY THE ENGINEER. COST OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INCLUDED UNDER ITEM 203.6100XX25.
  - UPON COMPLETION OF THE PROJECT WORK, MATERIALS USED TO CONSTRUCT OR MAINTAIN THE TEMPORARY HAUL ROADS THROUGHOUT CONSTRUCTION SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER. THE COST TO REMOVE MATERIALS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 203.6100XX25.

- PROVIDE A SHOULDER CLOSURE AS PER NYSTA STANDARD SHEET TA 619-03 SHOULD ANY EQUIPMENT AND/OR MATERIALS REQUIRE UNLOADING OR LOADING WHILE OCCUPYING THE SHOULDER.
- THE TEMPORARY HAUL ROADS AS SHOWN ARE CONCEPTUAL. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, MAINTAIN, AND REMOVE THE TEMPORARY HAUL ROADS. THE EXACT LOCATION, LAYOUT, AND CONSTRUCTION METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION OF THE TEMPORARY HAUL ROADS SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER.
- THE COST FOR TREE REMOVALS ASSOCIATED WITH CONSTRUCTING AND MAINTAINING HAUL ROADS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 203.6100XX25.

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

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL



TITLE OF PROJECT  
SCOUR REPAIR AT VARIOUS BRIDGES

LOCATION OF PROJECT  
MP 165.10 TO MP 185.93

TITLE OF DRAWING  
MP 185.93  
I-90 / VAN WIE CREEK  
PROPOSED HAUL ROAD

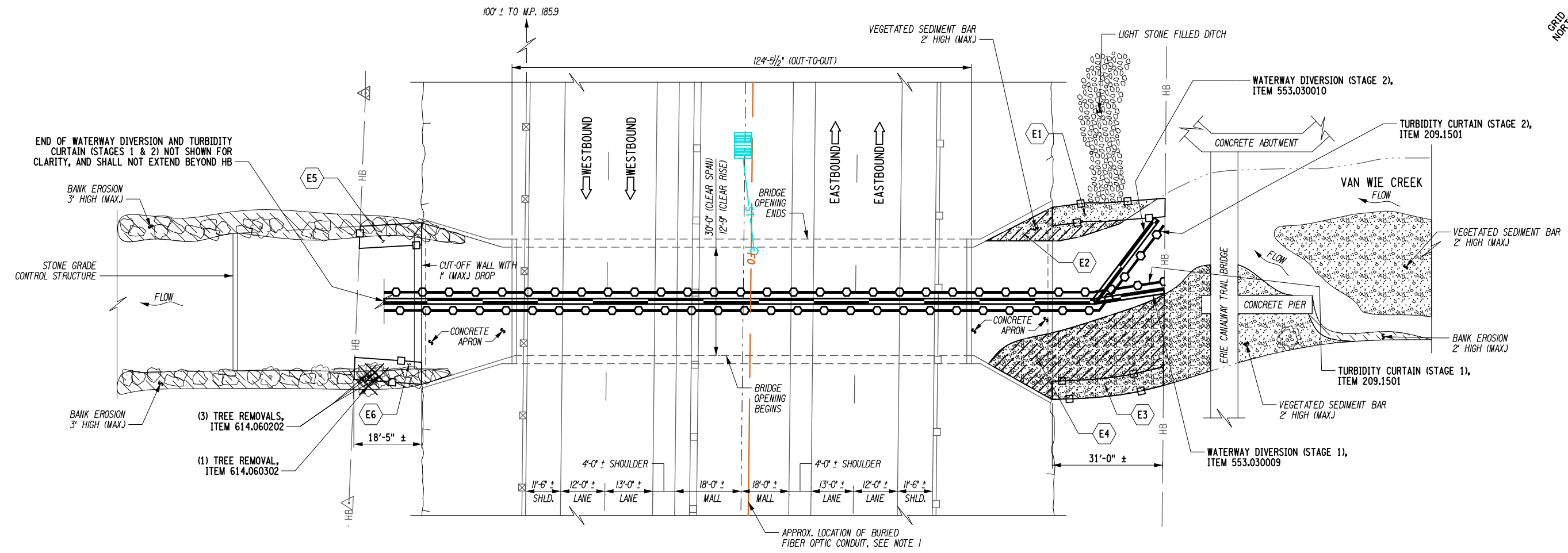
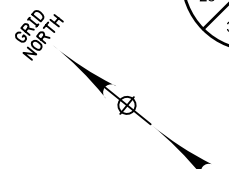
BIN 5515900

CONTRACT NUMBER:  
TAA 24-6B

DATE:  
NOV. 2023

DRAWING NUMBER:  
ST5-01





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

CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

CHECKED BY: M. SAVINO

DESIGNED BY: M. TANG

DESIGN SUPERVISOR: M. LAISTNER

**EXCAVATION QUANTITY TABLE**

LOCATION X*	ITEM 203.02 VOLUME (CY)	ITEM 206.0201 VOLUME (CY)
E1	--	24
E2	10	--
E3	--	23
E4	50	--
E5	--	23
E6	--	25
<b>TOTAL</b>	<b>60</b>	<b>95</b>

ALTERED ON:

AFFIXED ON: 11/15/2023

SIGNATURE:  
STAMP:

**LEGEND**

- REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE, ITEM 582.06
- UNCLASSIFIED EXCAVATION AND DISPOSAL, ITEM 203.02
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH AND CULVERT EXCAVATION, ITEM 206.0201
- SEDIMENT BAR (SILT/GRAVEL/COBBLE/ETC.)
- RAW CHANNEL BANK
- EXISTING STONE
- TURBIDITY CURTAIN - TEMPORARY, ITEM 209.1501
- WATERWAY DIVERSION, ITEM 553.03nnnn

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

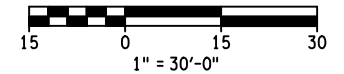
REVISIONS			
DATE	DESCRIPTION	BY	SYL



TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING MP 185.93 I-90 / VAN WIE CREEK EXISTING PLAN	DRAWING NUMBER: ST5-02

**NOTES:**

- WARNING: UNDERGROUND FIBER OPTIC CONDUIT. SEE GENERAL NOTES DRAWING NO. GN-01, RECONSTRUCTION NOTE 7.
- TO MINIMIZE THE AMOUNT OF MATERIAL REQUIRING DISPOSAL, MATERIALS EXCAVATED UNDER ITEMS 203.02 AND 206.0201 THAT ARE NOT UTILIZED BY OTHER PAY ITEMS MAY REMAIN ON SITE IF PLACED ABOVE THE TOP OF STREAM BANK AND WITHIN THE HIGHWAY BOUNDARY, WITH APPROVAL FROM THE ENGINEER.
- EXISTING STONE MEETING THE REQUIREMENTS OF ITEM 620.05 OR 620.0150XX25 MAY REMAIN ON SITE AND BE REUSED WITH APPROVAL FROM THE ENGINEER AND IN SUCH CASES SHALL BE PAID FOR UNDER ITEM 613.04000001.
- THE CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, MAINTAIN, AND REMOVE THE TEMPORARY WATERWAY DIVERSION STRUCTURE AND TURBIDITY CURTAIN FOR STAGES 1 AND 2. THE EXACT LOCATION, LAYOUT, AND METHODS TO BE EMPLOYED ARE TO BE DETERMINED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. CONSTRUCTION SHALL NOT COMMENCE PRIOR TO RECEIPT OF APPROVAL FROM THE ENGINEER.
- FOR TYPICAL STREAM PROTECTION DETAILS, SEE DRAWING NO. SD-01.



BIN 5515900



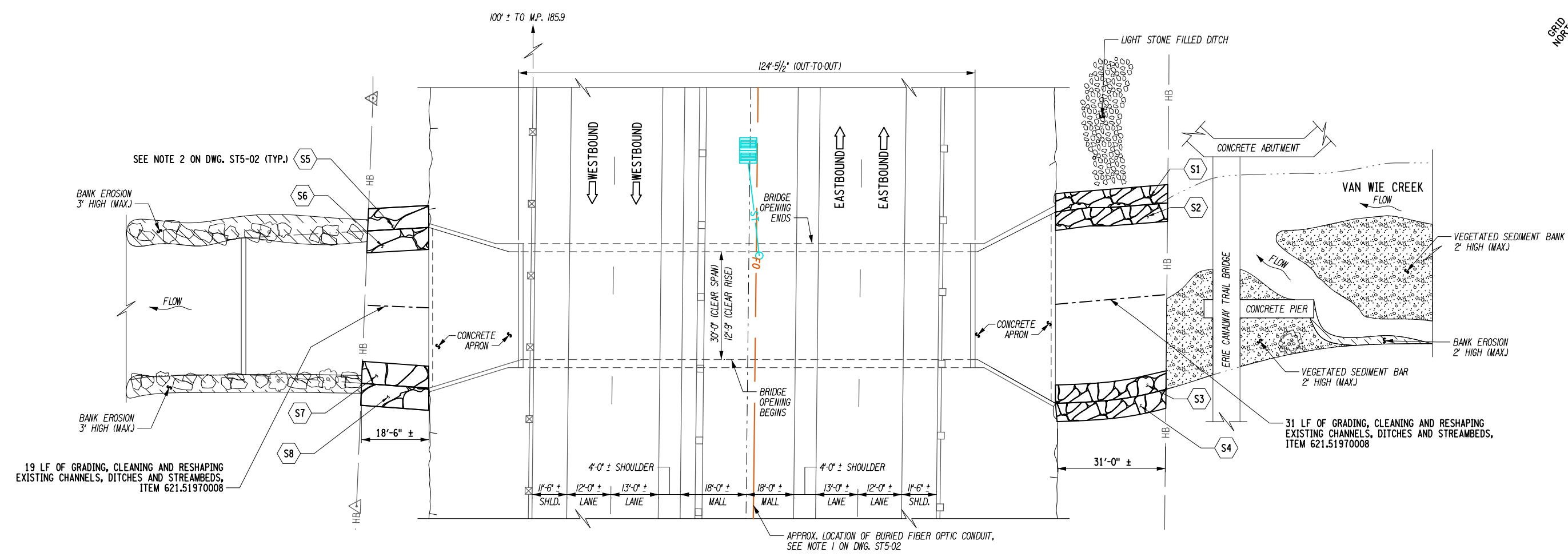
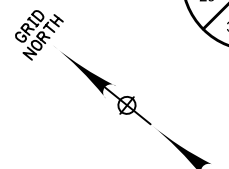
CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

CHECKED BY: M. SAVINO

DESIGNED BY: M. TANG

DESIGN SUPERVISOR: M. LAISTNER



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

**STREAM REPAIR TABLE**

LOCATION X#	ELEMENT	ITEM 613.04000001 VOLUME (CY)	ITEM 620.0150XX25		ITEM 620.05 VOLUME (CY)	ITEM 620.0801 VOLUME (CY)
			CLASS	VOLUME (CY)		
S1	BANK	--	--	--	14	4
S2	KEY	--	--	--	23	--
S3	KEY	--	--	--	23	--
S4	BANK	--	--	--	15	5
S5	BANK	--	09	30	--	3
S6	KEY	--	09	37	--	--
S7	KEY	--	09	39	--	--
S8	BANK	--	09	34	--	3
TOTAL	--	--	09	140	75	15

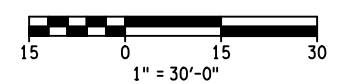
ITEM 613.04000001 - STOCKPILING AND PLACING EXISTING STREAM BED MATERIALS  
 ITEM 620.0150XX25 - STONE FILLING, CLASS XX  
 ITEM 620.05 - STONE FILLING (HEAVY)  
 ITEM 620.0801 - BEDDING MATERIAL, TYPE 1

**LEGEND**

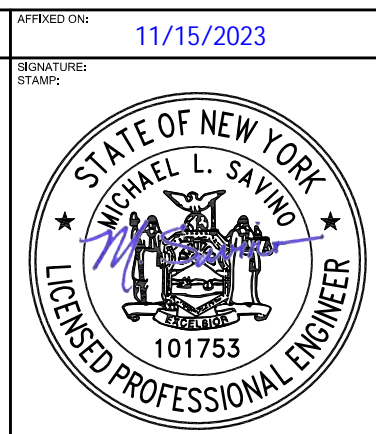
- REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE, ITEM 582.06
- UNCLASSIFIED EXCAVATION AND DISPOSAL, ITEM 203.02
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH AND CULVERT EXCAVATION, ITEM 206.0201
- SEDIMENT BAR (SILT/GRAVEL/COBBLE/ETC.)
- RAW CHANNEL BANK
- EXISTING STONE
- STONE FILLING (HEAVY), ITEM 620.05
- STONE FILLING, CLASS XX, ITEM 620.0150XX25

**NOTES:**

- FOR NOTES, SEE DRAWING NO. ST5-02.



BIN 5515900



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

**NEW YORK STATE OF OPPORTUNITY**

**Thruway Authority**

**PDG**  
POPPL DESIGN GROUP

TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING MP 185.93 I-90 / VAN WIE CREEK PROPOSED PLAN	DRAWING NUMBER: ST5-03

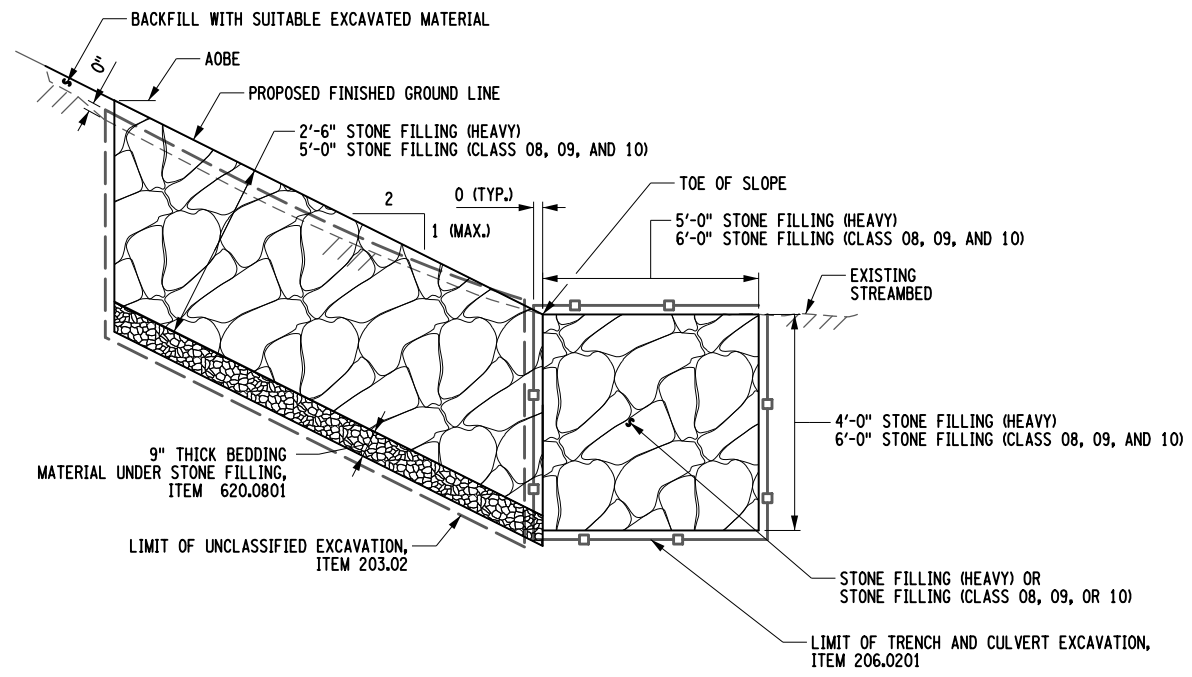
CHECKED BY: M. SAVINO

DRAFTED BY: M. TANG

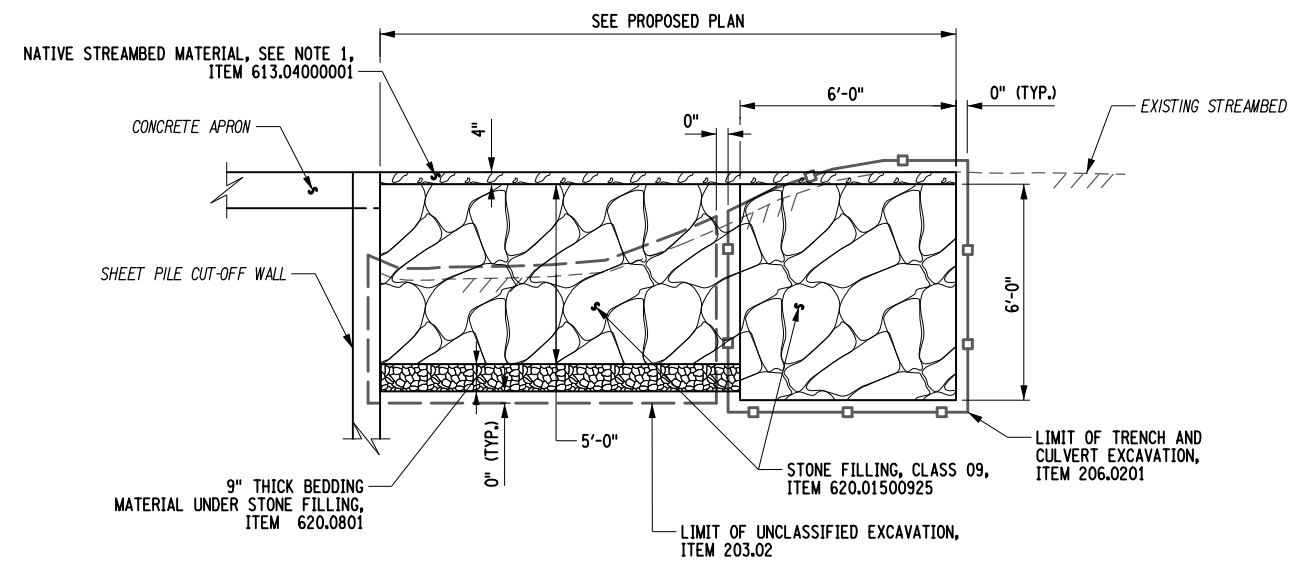
CHECKED BY: M. SAVINO

DESIGNED BY: M. TANG

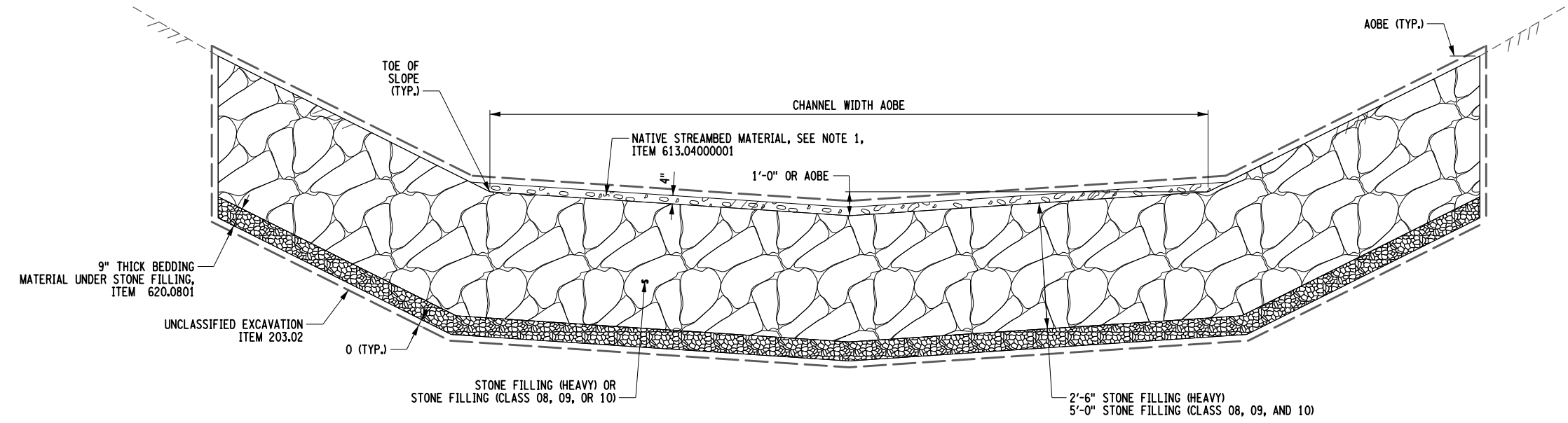
DESIGN SUPERVISOR: M. LAISTNER



**TYPICAL SLOPE PROTECTION DETAIL**  
NOT TO SCALE




**SECTION B-B**  
**PROPOSED BRIDGE OUTLET AT MP 179.76**  
NOT TO SCALE



**TYPICAL STONE APRON DETAIL**  
NOT TO SCALE

**NOTES:**

1. NATIVE STREAMBED MATERIAL SHALL BE UTILIZED TO CHOKe THE STONE FILLING APRONS.
2. DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALE IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.
3. FOR LOCATION OF SECTION B-B, SEE DRAWING NO. ST4-03.

ALTERED ON:  SIGNATURE: STAMP:	AFFIXED ON: <span style="color: blue;">11/15/2023</span>  SIGNATURE: STAMP:
	

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**Thruway Authority**

TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING STREAM PROTECTION DETAILS	DRAWING NUMBER: SD-01



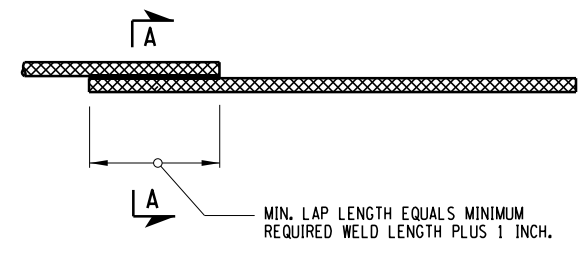
CHECKED BY: M. SAVINO

DRAFTED BY: S. LOFORTE

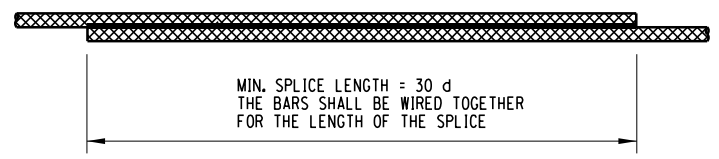
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DESIGNED BY: S. LOFORTE

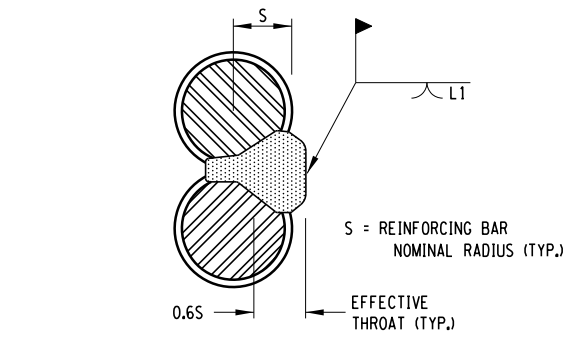
DESIGN SUPERVISOR: M. LAISTNER



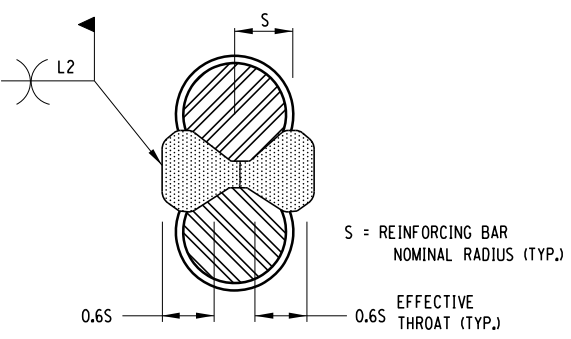
**WELDED SPLICE**  
PLAN  
NOT TO SCALE



**LAPPED, TIED SPLICE**  
PLAN  
NOT TO SCALE



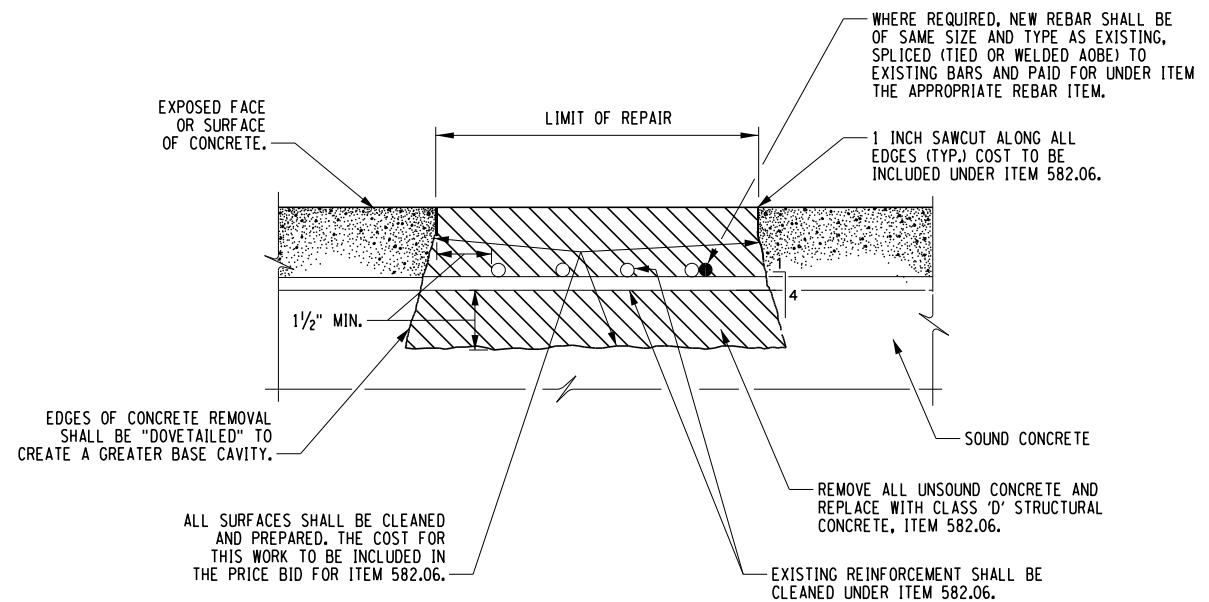
**SINGLE FLARE V - GROOVE WELD**



**DOUBLE FLARE V - GROOVE WELD**

**SECTION A-A**  
NOT TO SCALE

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

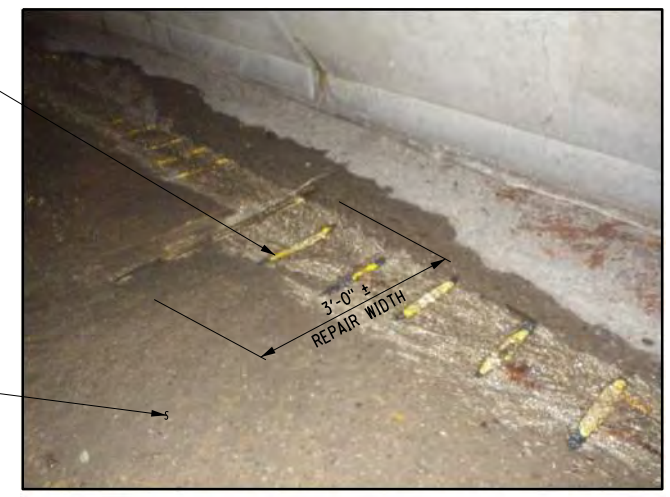


**TYPICAL CONCRETE SURFACE REPAIR SECTION**  
NOT TO SCALE

**NOTES:**

- SEE EXISTING PLAN SHEETS FOR CONCRETE REPAIR LOCATIONS AND QUANTITIES.
- SUBSTRUCTURE DETERIORATION REQUIRING REPAIR AS INDICATED ON THE PLANS HAS BEEN DETERMINED BY FIELD INSPECTION. ALL OF THE MAJOR AREAS, KNOWN TO EXIST AT THE TIME, HAVE BEEN SHOWN TO INDICATE THE APPROXIMATE EXTENT OF DETERIORATION TO BE REPAIRED.
- THE ANTICIPATED EXTENT OF CONCRETE REPAIR HAS BEEN INDICATED ON THE CONTRACT PLANS. THE CONTRACTOR SHALL EXAMINE THE SUBSTRUCTURE CONCRETE AND ESTABLISH THOSE AREAS OF REPAIR TO BE MADE WITH CLASS "D" CONCRETE. THE EXTENT OF CONCRETE REPAIR TO BE MADE SHALL BE APPROVED BY THE PROJECT ENGINEER.
- DETERIORATED REINFORCEMENT SHALL BE REPLACED AOBOWE WITH THE SAME SIZE AND TYPE AS EXISTING, AND HAVE A MINIMUM LAP OF 30 BAR DIAMETERS OR A WELDED SPLICE SHALL BE PROVIDED. IF WELDED, WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH THE "NEW YORK STATE STEEL CONSTRUCTION MANUAL".
- AT ALL CONCRETE REMOVAL LOCATIONS, THE MINIMUM DEPTH OF REMOVAL SHALL BE NO LESS THAN 1 1/2 INCHES BEHIND THE INNERMOST LAYER OF EXPOSED REINFORCING BARS, OR TO SOUND CONCRETE, WHICHEVER IS GREATER.
- WHERE CONCRETE REMOVAL AND REPLACEMENT NECESSITATES ADJACENT SEPARATE CONCRETE PLACEMENTS, CONCRETE REMOVAL SHALL NOT BE ALLOWED WITHIN 1 FOOT OF ADJACENT REPAIR AREAS. ADJACENT AREAS WHERE THIS 1 FOOT BUFFER IS NOT ATTAINABLE SHALL BE COMBINED INTO A SINGLE REPAIR AREA.
- THE CONTRACTOR SHALL SUBMIT A CONCRETE REMOVAL PLAN, DETAILS, AND SCHEDULE TO THE ENGINEER FOR APPROVAL BEFORE THE COMMENCEMENT OF WORK.
- IT IS THE INTENT OF THIS PROJECT THAT ALL CONCRETE REPAIRS SHALL BE MADE WITH CLASS "D" CONCRETE, REGARDLESS OF THE DEPTH TO SOUND CONCRETE AT THE REPAIR LOCATION.

EXPOSED GROUT SLEEVE FOR ARCH TIE ROD (TYP.)



**MP 171.31**  
FLOOR SLAB ALONG WEST STEM WALL

CONCRETE FLOOR SLAB

EXPOSED GALVANIZED REINFORCING BAR (TYP.)



**MP 174.71**  
FLOOR SLAB AT SOUTHWEST QUADRANT

CONCRETE FLOOR SLAB

LIMITS OF REPAIR AREA (TOP OF FOOTING)



**MP 179.76**  
TOP OF FOOTING ALONG EAST ABUTMENT

CONCRETE FLOOR SLAB

REMAINS OF CONCRETE BOX CULVERT FLOOR SLAB (NOT TO BE REPAIRED)

**TYPICAL CONCRETE REPAIR AREAS**  
NOT TO SCALE

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ALTERED ON: \_\_\_\_\_

AFFIXED ON: **11/15/2023**

SIGNATURE: \_\_\_\_\_

STAMP: \_\_\_\_\_

REVISIONS			
DATE	DESCRIPTION	BY	SYMBOL

**NEW YORK**  
STATE OF OPPORTUNITY

**Thruway Authority**

**PDG**  
POPL DESIGN GROUP

TITLE OF PROJECT SCOUR REPAIR AT VARIOUS BRIDGES	CONTRACT NUMBER: TAA 24-6B
LOCATION OF PROJECT MP 165.10 TO MP 185.93	DATE: NOV. 2023
TITLE OF DRAWING CONCRETE REPAIR DETAILS	DRAWING NUMBER: CD-01