

JEFFERSON COUNTY
 HIGHWAY DEPARTMENT

NOBLE STREET
 (B.I.N. 3371810)
 OVER WEST CREEK
 VILLAGE OF EVANS MILLS

BridgeNY Project

CONTRACT D040965

JEFFERSON COUNTY BID #24-10

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, WHICH ARE CURRENT ON THE DATE OF CONTRACT LETTING 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) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

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

CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYS DOT POLICIES AND GUIDE LINES AND THE FINAL DESIGN REPORT APPROVED ON 09/08/2021.

CONTRACTOR'S NAME _____	
AWARD DATE _____	
COMPLETION DATE _____	
FINAL ACCEPTANCE DATE _____	
ENGINEER IN CHARGE _____	
FINAL COST TOTAL _____	
FISCAL SHARE	COST(S)



PROJECT LOCATION

THIS PROJECT IS LOCATED ON WILLOW STREET, NOBLE STREET, AND FACTORY STREET IN THE VILLAGE OF EVANS MILLS, JEFFERSON COUNTY. THE PROJECT SITE IS APPROXIMATELY 0.7 MILE NORTHWEST OF THE INTERSECTION OF NY-11 AND LERAY STREET.



RECOMMENDED BY *Eric Hilliard* 2024.03.07
 16:34:49 -05'00'
 ERIC HILLIARD DATE
 N.Y.S.P.E. LIC. NO. 063761



NOBLE STREET		
(B.I.N. 3371810)		
OVER WEST CREEK		
VILLAGE OF EVANS MILLS		
COUNTY: JEFFERSON		
FED. ROAD REG. NO.	STATE	SHEET NO.
1	N.Y.	1
CAPITAL PROJECT IDENTIFICATION NO.		7753.77
INDEX ON SHEET NO. 2		

RECOMMENDED BY

J. Lawrence, Jr.
 JAMES LAWRENCE, JR.
 SUPERINTENDENT OF HIGHWAYS
 JEFFERSON COUNTY HIGHWAY DEPARTMENT

3/5/24
 DATE

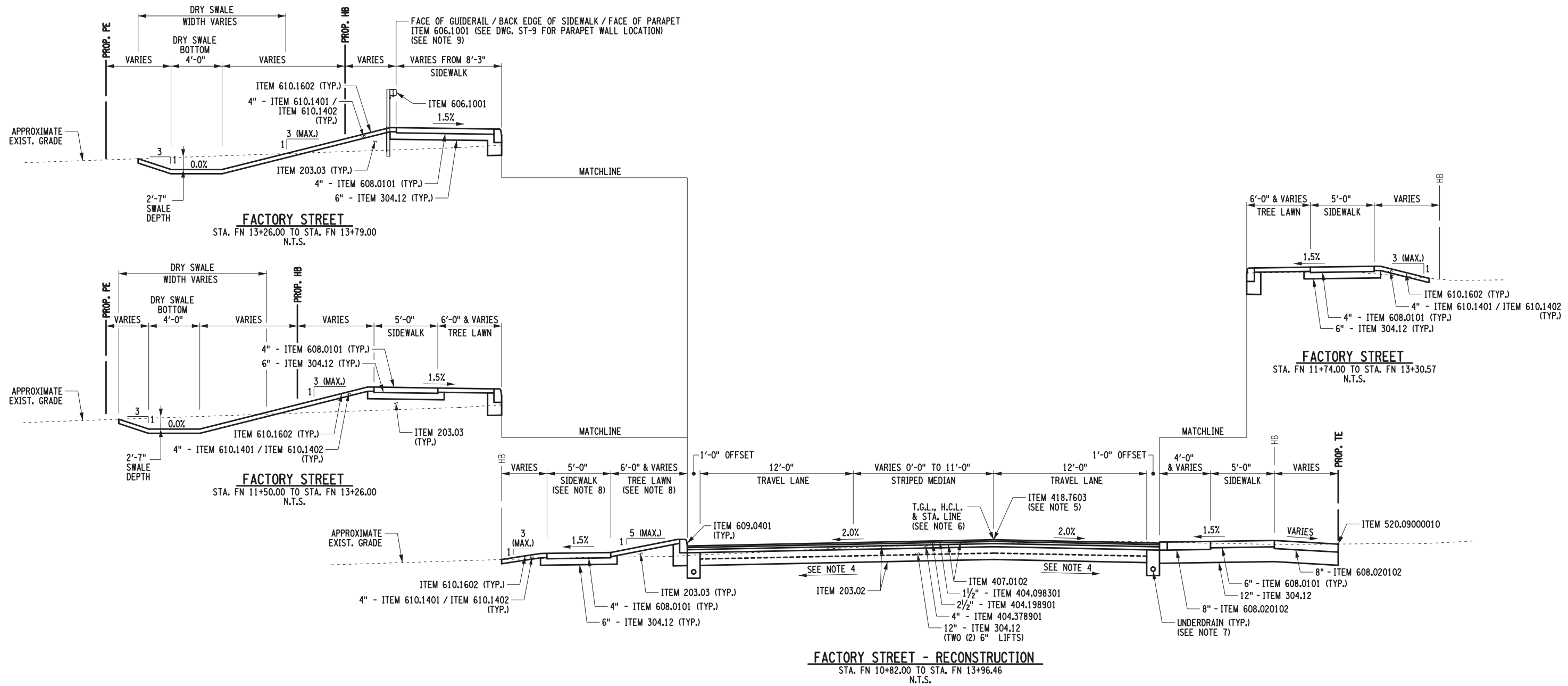
ALIGNMENT			LANDSCAPE			ROADWAY			TRAFFIC WORK ZONE		
STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION
	AC	CONTROL (CENTERLINE)		LABL	AREA, BRUSH LINE		RCZ_P	CLEAR ZONE		TWZBT_P	BARRIER, TEMPORARY
	AD_P	DETOUR		LAHR	AREA, HEDGE ROW		RG	GUIDE RAIL, MISCELLANEOUS		TWZBTWL_P	BARRIER, TEMPORARY, W/ WARNING LIGHTS
	AT_P	TRANSITION CONTROL		LAPB	AREA, PLANTING BED		RGB	GUIDE RAIL, BOX BEAM		TWZCD_P	CHANNELIZING DEVICE
BRIDGE				LAWA	AREA, WOODED AREA OUTLINE		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN		TWZPMRC_P	PAVEMENT MARKING REMOVAL OR COVERING
	BR	RAIL		LAWC	AREA, WOODS EDGE		RGC	GUIDE RAIL, CABLE	UTILITIES		
	BSHT	SHEET PILING		LCUT_P	CUT LIMIT		RGCB	GUIDE RAIL, CONCRETE BARRIER	STYLE	NAME	DESCRIPTION
CONTROL				LFILL_P	FILL LIMIT		RGP_P	GUIDE POST		UC	CONDUIT, UNDERGROUND
	CB	BASELINE		LFNC	FENCE		RGW	GUIDE RAIL, W BEAM		UCH	CONDUIT, HANGING
	CBPR	BASELINE, PROJECTION		LTRC	TREE ROW, CONIFEROUS		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UCO	CONDUIT, OVERHEAD
DRAINAGE				LTRD	TREE ROW, DECIDUOUS		RPB	PARKING BUMPER		UE	ELECTRIC LINE, UNDERGROUND
	DCP	CULVERT PIPE		LWH	WALL, H PILE		RRC	RAIL ROAD, CATENARY		UEH	ELECTRIC LINE, HANGING
	DCP_P	CULVERT PIPE (DIR)		LWR	WALL, RETAINING		RRER	RAIL ROAD, 3RD RAIL		UEO	ELECTRIC LINE, OVERHEAD
	DDG_P	DITCH, GRASS LINED		LWS	WALL, STONE		RRPLS_P	RAIL, PHOTO, LARGE SCALE		UETO	ELECTRIC TRANSMISSION, OVERHEAD
	DDP_P	DITCH, PAVED INVERT	ROW MAPPING				RRR	RUMBLE STRIP		UESS	ELECTRIC, SUBSTATIONS
	DDS_P	DITCH, STONE LINED		MDL	DEED LINE		RRPS	RAIL, PHOTO, SMALL SCALE		UF0	FIBER OPTIC, UNDERGROUND
	DFL_P	FLOW LINE		MEE	EASEMENT, EXISTING		RRS	RUMBLE STRIP		UF0H	FIBER OPTIC, HANGING
	DSSD	SLOTTED DRAIN		MEP_P	EASEMENT, PERMANENT		RRSL_P	RAIL, SURVEY, LARGE SCALE		UF00	FIBER OPTIC, OVERHEAD
	DUD_P	UNDERDRAIN		MEPA_P	EASEMENT, PERMANENT, APPROX.		RRSS	RAIL, SURVEY, SMALL SCALE		UG	GAS, UNDERGROUND
ENVIRONMENTAL				MET_P	EASEMENT, TEMPORARY	SIGNS				UGH	GAS, HANGING
	EBLHS	BALE, STRAW		META_P	EASEMENT, TEMPORARY, APPROX.		SBLB	BILLBOARDS		UGO	GAS, OVERHEAD
	ECT	CURTAIN, TURBIDITY		MF_P	FEE ACQUISITION, W/ ACCESS		SM	MULTIPLE POST		UIC	INFORM CABLE, UNDERGROUND
	EDMC	DAM, COFFER		MFA_P	FEE ACQUISITION, APPROXIMATE		SSO	STRUCTURE, OVERHEAD		UICH	INFORM CABLE, HANGING
	EDMEC_P	DAM, EARTHEN CHECK		MFS_P	FEE ACQUISITION, SHAPE		SSOC	STRUCTURE, OVHD. CANTILEVER		UO	OIL LINE, UNDERGROUND
	EDMGSC_P	DAM, GRAVEL BAG/SAND BAG CHECK		MFWOA_P	FEE ACQUISITION, W/O ACCESS	STRIPING				UOH	OIL LINE, HANGING
	EDMPC_P	DAM, PREFABRICATED CHECK		MHA	HISTORICAL, ACQUISITION		STB*	BROKEN LINE		UPBP	POLE, BRACE, PUSH BRACE
	EDMSC_P	DAM, STONE CHECK		MHB	HIGHWAY BOUNDARY		STDB*	DOUBLE BROKEN LINE		UPGW	POLE, GUY WIRE
	EFNS	FENCE, SILT		MHBA	HIGHWAY BOUNDARY, APPROX.		STDL*	DOTTED LINE LONG		USA	SANITARY SEWER, UNDERGROUND
	EFNSV	FENCE, SILT & VEGETATION		MHBW	HWY BOUNDARY, FACE OF WALL		STDS*	DOTTED LINE SHORT		USAH	SANITARY SEWER, HANGING
	EFNV	FENCE, VEGETATION		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STFB*	FULL BARRIER LINE		USAF	SANITARY SEWER, FORCE MAIN, UGND
	EWAA_P	WETLAND, ADJACENT AREA		MJC	JURISDICTION, CITY		STH*	HATCH LINE		USAFH	SANITARY SEWER, FORCE MAIN, HANG
	EWF	WETLAND, FEDERAL		MJC	JURISDICTION, COUNTY		STPB*	PARTIAL BARRIER LINE		UT	TELEPHONE, UNDERGROUND
	EWFs	WETLAND, FEDERAL AND STATE		MJC	JURISDICTION, HISTORIC DISTRICT		STRCT	ROUNDABOUT, CAT TRACKS		UTH	TELEPHONE, HANGING
	EWM	WETLAND, MITIGATION AREA		MJC	JURISDICTION, MILITARY LOT LINE		STRYL	ROUNDABOUT, YIELD LINE		UTO	TELEPHONE, OVERHEAD
	EWS	WETLAND, STATE		MJC	JURISDICTION, NATION		STSB	STOP BAR		UTV	CABLE TV, UNDERGROUND
				MJPB	JURISDICTION, PUBLIC LANDS		STSE*	SOLID, EDGE		UTVH	CABLE TV, HANGING
				MJS	JURISDICTION, STATE		STX	X WALK, LADDER LINE		UTVO	CABLE TV, OVERHEAD
				MJT	JURISDICTION, TOWN		STXL	X WALK, LADDER BAR LINE		UU	UNKNOWN, UNDERGROUND
				MJV	JURISDICTION, VILLAGE		STXLB	X WALK, LADDER BAR LINE		UUH	UNKNOWN, HANGING
				MPL	PROPERTY LOT LINE	* = W (WHITE) OR Y (YELLOW)				UUO	UNKNOWN, OVERHEAD
				MPLA	PROPERTY LOT LINE, APPROXIMATE	TRAFFIC CONTROL				UW	WATER LINE, UNDERGROUND
				MSL	SUB LOT LINE		TCSW	SIGNAL, SPAN WIRE		UWH	WATER LINE, HANGING
										UWO	WATER LINE, OVERHEAD

- 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.

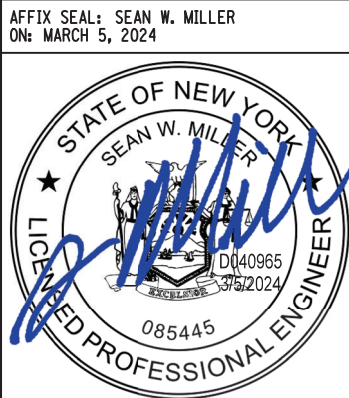
NOBLE STREET OVER WEST CREEK		PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
VILLAGE OF EVANS MILLS		7753.77	3371810			
COUNTY: JEFFERSON	REGION: 7	LEGEND, LINE, AND POINT SYMBOLOGY			DRAWING NO. LEG-1 SHEET NO. 3	
					JEFFERSON COUNTY HIGHWAY DEPARTMENT	

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" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U	⊕	ICNTLCAB	CONTROLLER CABINET	⊕	MEPP.P	EASEMENT, PERM., BACK LINE	⊕	SRSC4	SHLD, CTY, 4 DIG.	⊕	UGP	GAS/FUEL PUMP						
⊕	AEVT	EVENT STATION	ENVIRONMENTAL			⊕	ICPB	COMMUNICATION PULL BOX	⊕	MEPSP.P	EASEMENT, PERM., SHAPE	⊕	SRSC2	SHLD, CTY TOUR, 1-2 DIG.	⊕	UGV	GAS, VALVE						
⊕	APC	POINT OF CURVATURE				⊕	ICTD	CONDUIT TURNING DOWN	⊕	MFAP.P	FEE ACQUISITION, APPROX.	⊕	SRSC4	SHLD, CTY TOUR, 3-4 DIG.	⊕	UGVT	GAS, VENT						
⊕	APCC	POINT OF COMPOUND CURVATURE	⊕	ICVTRT	COMM. VEH. ROAD TRANSCEIVER	⊕	MFP.P	FEE ACQUISITION, BACK LINE	⊕	SRSI	SHLD, INTERSTATE	⊕	ULP	LIGHTING, POLE	⊕	ULPM	LIGHTING, POLE, MEDIAN						
△	API	POINT OF INTERSECTION	⊕	IDEFAULT	DEFAULT	⊕	MHBP	HIGHWAY BNDRY., APPROX.	⊕	SRSN2	SHLD, NATIONAL, 2 DIG.	⊕	ULPP	LIGHTING, POLE, PED.	⊕	ULPP	LIGHTING, POLE, PED.						
△	APOB	POINT OF BEGINNING	⊕	IEZR	E-ZPASS READER	⊕	MHBCP	HISTORICAL, BLDG. CORNERS	⊕	SRSN3	SHLD, NATIONAL, 3 DIG.	⊕	UMFC	MISC. FILLER CAP	⊕	UOLM	OIL, LINE MARKER						
⊕	APOC	POINT OF CURVATURE	⊕	IEZTR	TRANSMITTAL READER	⊕	MHBP	HIGHWAY BNDRY, PT.	⊕	SRSS2	SHLD, STATE, 2 DIG.	⊕	UP	POLE, WITH UTILITY	⊕	UPD	POLE, DEAD (NO UTILITY)						
⊕	APOE	POINT OF END	⊕	IFOXCAB	FIBER OPTIC X-CONNECT CABINET	⊕	MJCP	PT., JURIS. CITY	⊕	SRSS3	SHLD, STATE, 3 DIG.	⊕	UP	POLE, WITH UTILITY	⊕	UPL	POLE, WITH LIGHT						
⊕	APOL	POINT ON LINE	⊕	IFUSSPL	FUSION SPLICE	⊕	MPBC	PT., BUILDING CORNER	⊕	SRSS4	SHLD, STATE, 4 DIG.	TRAFFIC CONTROL			⊕	USMH	SANITARY SEWER MANHOLE						
⊕	APOS	POINT ON SPIRAL	⊕	IHARADV	HAR ADVISORY SIGN	⊕	MPCP	PT., CROSS CUT	⊕	TCBJ	BOX, JUNCTION				⊕	UTB	TELEPHONE, BOOTH						
⊕	APOT	POINT ON TANGENT	⊕	IHARST	HAR SITE	⊕	MPDH	PT., DRILL HOLE	⊕	TCBP	BOX, PULL BOX	⊕	UTLM	TELEPHONE, LINE MARKER									
△	APOVC	POINT ON VERTICAL CURVE	⊕	ILC	LOAD CENTER	⊕	MPF	PT., FENCE LOCATION	⊕	TCBS	BOX, SPLICE	⊕	UTMH	TELEPHONE, MANHOLE									
△	APOVT	POINT ON VERTICAL TANGENT	⊕	IMECSPL	MECHANICAL SPLICE	⊕	MPIP	PT., IRON PIPE	⊕	TCMC	MICROCOMPUTER CABINET	⊕	UTVLM	CABLE TV, LINE MARKER									
Y	APORC	POINT ON REVERSE CURVE	⊕	IMSCS	PORT. SPEED & COUNT SENSOR	⊕	MPIR	PT., IRON ROD	⊕	TCPP	PED POLE	⊕	UTVPB	CABLE TV, PULL BOX									
⊕	APT	POINT OF TANGENCY	⊕	IMSCS	MICRO SPEED & COUNT SENSOR	⊕	MPM	PT., MONUMENT	⊕	TCSH	SIGNAL HEADS	⊕	UUB	UNKNOWN, BOX									
⊕	APVC	POINT OF VERTICAL CURVATURE	⊕	IMT	MICROWAVE TRANSCEIVER	⊕	MPMM	PT., MONUMENT, MISC.	⊕	TCSP	SIGNAL POLE	TRAFFIC WORK ZONE			⊕	UUB	UNKNOWN, BOX						
⊕	APVCC	POINT OF VERT. CMPND CURVE	⊕	IOVHMS	PERM. OVERHEAD VMS	⊕	MPN	PT., NAIL	⊕	TWZAP.P	ARROW PANEL				⊕	UUMH	UNKNOWN, MANHOLE						
⊕	APVI	POINT OF VERT. INTERSECTION	⊕	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	⊕	MPRS	PT., RAILROAD SPIKE	⊕	TWZAPC.P	ARROW PANEL, CAUTION MODE	⊕	UUPB	UNKNOWN, PULL BOX									
△	APVRC	POINT OF VERT. REVERSE CURVE	⊕	IPEDS	PEDESTRIAN SIGNAL HEAD	⊕	MPST	PT., SPIKE	⊕	TWZAPT.P	ARROW PANEL, TRAILER OR SUPPORT	⊕	UUVL	UNKNOWN, VALVE									
⊕	APVT	POINT OF VERTICAL TANGENCY	⊕	IPSS	PAVEMENT SURFACE SENSOR	⊕	MPTW	PT., TREE W/ WIRE	⊕	TWZBDC.P	BARRICADE (TYPE III)	⊕	UUVT	UNKNOWN, VENT									
⊕	ASC	SPIRAL TO CURVE	⊕	IPVMS	PERM. VMS	⊕	MPWL	PT., WALL LOCATION	⊕	TWZCMS.P	CHANGEABLE MESSAGE SIGN (PVMS)	⊕	UJWB	UNKNOWN, JUNCTION BOX									
△	ASPI	SPIRAL POINT OF INTERSECTION	⊕	IRM	RAMP METER	ROW ACQUISITION			⊕	TWZFLG.P	FLAGGER	⊕	UUMH	UNKNOWN, MANHOLE									
⊕	ASTS	SPIRAL TO SPIRAL	⊕	IRWIS	RDWY WEATHER INFO. SENSOR				⊕	MFS.P.T	FEE ACQUISITION	⊕	TWZFLG.P	FLAGGER	⊕	UUPB	UNKNOWN, PULL BOX						
⊗	AST	SPIRAL TO TANGENT	⊕	ISP	SOLAR PANEL	⊕	MEPS.P.T	EASEMENT, PERMANENT	⊕	TWZSDT.P	SYMBOL, DIRECTION OF TRAFFIC	⊕	UUVL	UNKNOWN, VALVE									
⊗	ATS	TANGENT TO SPIRAL	⊕	ISST	SPREAD SPECT. TRANSCEIVER	⊕	METS.P.T	EASEMENT, TEMPORARY	⊕	TWZSDT.P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR	⊕	UUVT	UNKNOWN, VENT									
△	AVEVT	VERTICAL EVENT POINT	⊕	ITDB	TELEPHONE DEMARCATION BLK	⊕	METS.P.T	OCCUPANCY, TEMPORARY	⊕	TWZSGN.P	SIGN (TEMPORARY)	⊕	UJWB	UNKNOWN, JUNCTION BOX									
⊕	AVHIGH	VERTICAL HIGH POINT	⊕	ITP	SUBSURFACE TEMP. PROBE	⊕	MFS.P.T	FEE ACQUISITION W/O ACCESS	⊕	TWZSIG.P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)	⊕	UUMH	UNKNOWN, MANHOLE									
⊕	AVLOW	VERTICAL LOW POINT	⊕	IVTRT	VEHICLE TO RDWY TRANSCEIVER	⊕	RES P	ELEVATION, SPOT	⊕	TWZWL.P	WARNING LIGHT	⊕	UUVL	UNKNOWN, VALVE									
BRIDGE			⊕	IWIMD	WEIGHT IN MOTION DETECTOR	⊕	RGA	GUIDE RAIL, ANCHOR	⊕	TWZWV.P	WORK VEHICLE	⊕	UUVL	UNKNOWN, VALVE									
			⊕	IWVR	WIRELESS VIDEO REPEATER	⊕	RCP	GUIDE POST, SINGLE	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUVL	UNKNOWN, VALVE									
CONTROL			⊕	IWVRC	WIRELESS VIDEO RECEIVER	ROADWAY			⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	LEGEND, LINE, AND POINT SYMBOLOGY											
			⊕	IWVTT	WIRELESS VIDEO TRANSMITTER																		
△	CBP	BASELINE, POINT	1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED). 2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.). 3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES. 4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 in ON B SIZE DRAWINGS). 5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS. 6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.			NOBLE STREET OVER WEST CREEK			PIN 7753.77			BRIDGES 3371810			CULVERTS			ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED			CONTRACT NUMBER D040965		
⊕	CBPOL	BASELINE, POINT ON LINE				VILLAGE OF EVANS MILLS			COUNTY: JEFFERSON			REGION: 7			DRAWING NO. LEG-2 SHEET NO. 4								
⊕	CBSP	BASELINE, SPUR POINT				JEFFERSON COUNTY HIGHWAY DEPARTMENT			Stantec														
⊕	CBTP	BASELINE, TIE POINT																					
⊕	CPBM	BENCHMARK																					
⊕	CPH	POINT, HORIZ. PHOTOGRAMMETRY																					

NOBLE STREET OVER WEST CREEK			PIN 7753.77			BRIDGES 3371810			CULVERTS			ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED			CONTRACT NUMBER D040965		
VILLAGE OF EVANS MILLS			COUNTY: JEFFERSON			REGION: 7			DRAWING NO. LEG-2 SHEET NO. 4								
JEFFERSON COUNTY HIGHWAY DEPARTMENT												Stantec					



ITEM	DESCRIPTION	UNIT	NOTES:
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	1. ITEM 407.0102 - TACK COAT IS TO BE PLACED BETWEEN ALL ASPHALT LIFTS. SEE SPECIFICATION FOR THE APPLICATION RATE. 2. REMOVAL OF EXISTING GUIDERAIL AND INSTALLATION OF NEW GUIDERAIL TO BE PAID FOR UNDER THEIR RESPECTIVE ITEMS, REFER TO THE GUIDERAIL TABLE ON DWG. MST-1 FOR TYPES, LOCATIONS, AND ITEM NUMBERS AND ROADWAY PLANS FOR LAYOUT. 3. TYPICAL SECTIONS SHOWING CUT/FILL OR DRIVEWAY ON ONE SIDE VERSUS THE OTHER MAY BE INTERCHANGED AS CONDITIONS WARRANT. 4. SUBGRADE SLOPE SHALL MATCH THE PAVEMENT SLOPE. 5. ASPHALT PAVEMENT JOINT ADHESIVE SHALL BE PLACED ON ALL TOP COURSE PAVEMENT JOINTS OR A.O.B.E.. 6. REFER TO ROADWAY PROFILES ON DWG. PRO-1 & DWG. PRO-2 FOR RATE OF SUPERELEVATION AND TRANSITIONS. 7. REFER TO DWG. MST-1 FOR UNDERDRAIN LOCATION AND DWG. MSD-1 FOR DETAILS AND PAY ITEMS. 8. TRANSITION TREE LAWN SLOPE FROM STA. FN 10+82.00, LT. TO STA. FN 11+50.00, LT. TRANSITION SIDEWALK CROSS SLOPE FROM STA. FN 11+30.00, LT. TO STA. FN 11+50.00, LT. 9. REFER TO GUIDE RAIL TABLE ON DWG. MST-1 FOR LIMITS OF BOX BEAM GUIDERAIL. 10. THE CONTRACTOR SHALL REUSE ON-SITE MATERIAL FOR TOPSOIL PRIOR TO BRINGING IN ROADSIDE TOPSOIL MIX. 11. THE CONTRACTOR SHALL USE SEED MIX C PER NYSDOT SPECIFICATIONS, COST TO BE INCLUDED IN BID PRICE FOR ITEM 610.1602.
203.03	EMBANKMENT IN PLACE	CY	
304.12	SUBBASE COURSE, TYPE 2	CY	
404.098301	9.5 F3 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON	
404.198901	19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON	
404.378901	37.5 F9 BASE COURSE ASPHALT, 80 SERIES COMPACTION	TON	
407.0102	DILUTED TACK COAT	GAL	
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF	
520.09000010	SAWCUTTING ASPHALT CONCRETE	LF	
606.1001	BOX BEAM GUIDE RAILING WITH EXTRA LONG POSTS	LF	
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	
608.020102	ASPHALT SIDEWALKS, DRIVEWAYS, BICYCLE PATHS, AND VEGETATION CONTROL STRIPS	TON	
609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF6	LF	
610.1401	TOPSOIL - REUSE ON-SITE MATERIAL	CY	
610.1402	TOPSOIL - ROADSIDE	CY	
610.1602	TURF ESTABLISHMENT - LAWNS	SY	

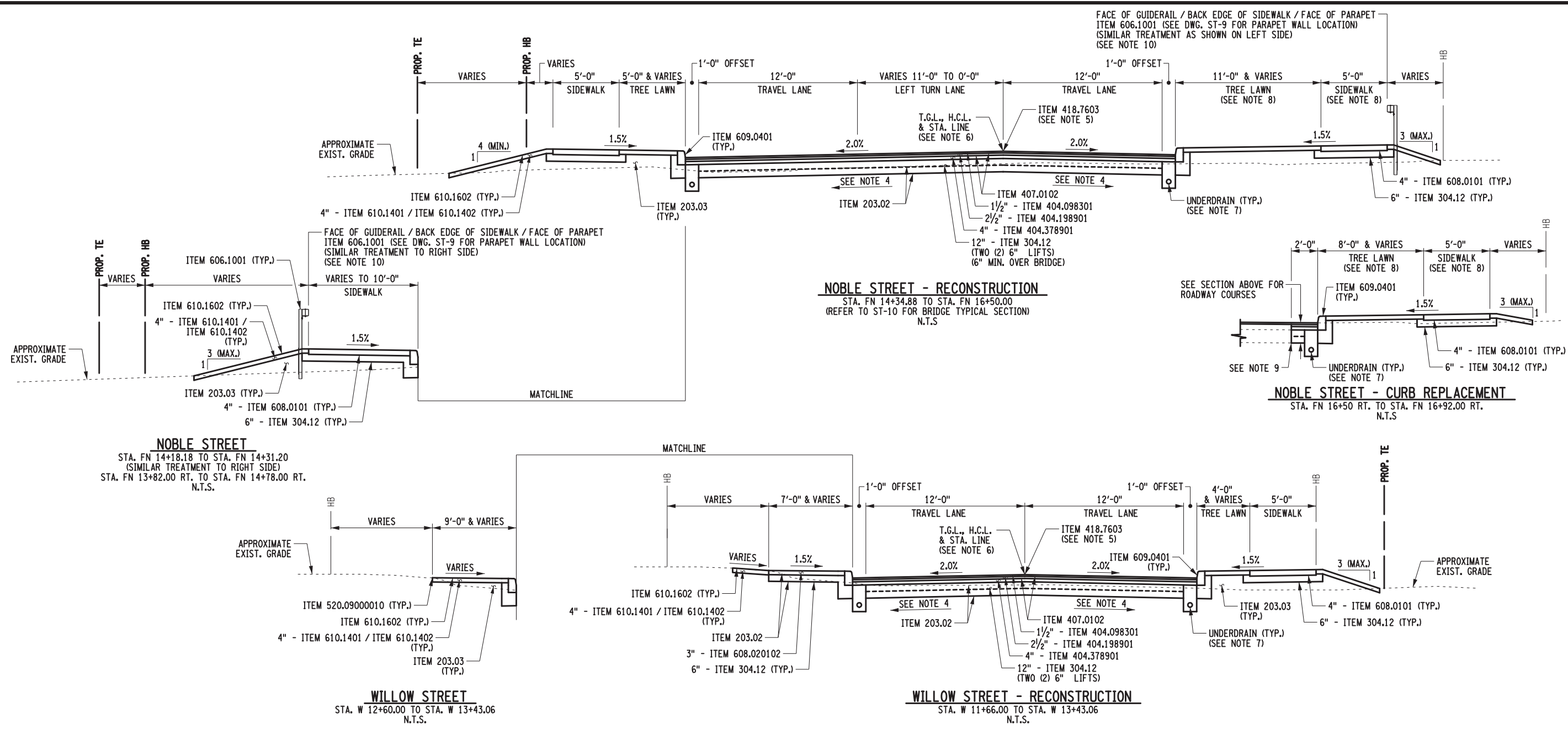


AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
TYPICAL SECTIONS FACTORY STREET					DRAWING NO. TYP-1 SHEET NO. 5	
JEFFERSON COUNTY HIGHWAY DEPARTMENT					Stantec	

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



ITEM	DESCRIPTION	UNIT	NOTES:
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	1. ITEM 407.0102 - TACK COAT IS TO BE PLACED BETWEEN ALL ASPHALT LIFTS. SEE SPECIFICATION FOR THE APPLICATION RATE. 2. REMOVAL OF EXISTING GUIDERAIL AND INSTALLATION OF NEW GUIDERAIL TO BE PAID FOR UNDER THEIR RESPECTIVE ITEMS, REFER TO THE GUIDERAIL TABLE ON DWG. MST-1 FOR TYPES, LOCATIONS, AND ITEM NUMBERS AND ROADWAY PLANS FOR LAYOUT. 3. TYPICAL SECTIONS SHOWING CUT/FILL OR DRIVEWAY ON ONE SIDE VERSUS THE OTHER MAY BE INTERCHANGED AS CONDITIONS WARRANT. 4. SUBGRADE SLOPE SHALL MATCH THE PAVEMENT SLOPE. 5. ASPHALT PAVEMENT JOINT ADHESIVE SHALL BE PLACED ON ALL TOP COURSE PAVEMENT JOINTS OR A.O.B.E.. 6. REFER TO ROADWAY PROFILES ON DWG. PRO-1 & DWG. PRO-2 FOR RATE OF SUPERELEVATION AND TRANSITIONS. 7. REFER TO DWG. MST-1 FOR UNDERDRAIN LOCATION AND DWG. MSD-1 FOR DETAILS AND PAY ITEMS. 8. SIDEWALK AT DRIVEWAY STA. FN 15+90.00 RT. SHALL HAVE CROSS SLOPE OF +1.00%. APRON SHALL MATCH SIDEWALK. SIDEWALK AT DRIVEWAY STA. FN 16+65.50 RT. SHALL HAVE CROSS SLOPE OF -1.50%. APRON SHALL MATCH SIDEWALK. 9. EXISTING SUBBASE TO REMAIN, BOTTOM OF PROPOSED SUBBASE SHALL BE AT OR BELOW ADJACENT EXISTING SUBBASE, A.O.B.E., AT ALL LOCATIONS FEATURING SAW CUT PAVEMENT AND CURB & UNDERDRAIN INSTALLATION. 10. REFER TO GUIDE RAIL TABLE ON DWG. MST-1 FOR LIMITS OF BOX BEAM GUIDERAIL. 11. THE CONTRACTOR SHALL REUSE ON-SITE MATERIAL FOR TOPSOIL PRIOR TO BRINGING IN ROADSIDE TOPSOIL MIX. 12. THE CONTRACTOR SHALL USE SEED MIX C PER NYSDOT SPECIFICATIONS, COST TO BE INCLUDED IN BID PRICE FOR ITEM 610.1602.
203.03	EMBANKMENT IN PLACE	CY	
304.12	SUBBASE COURSE, TYPE 2	CY	
404.098301	9.5 F3 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON	
404.198901	19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON	
404.378901	37.5 F9 BASE COURSE ASPHALT, 80 SERIES COMPACTION	TON	
407.0102	DILUTED TACK COAT	GAL	
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF	
520.09000010	SAWCUTTING ASPHALT CONCRETE	LF	
606.1001	BOX BEAM GUIDE RAILING WITH EXTRA LONG POSTS	LF	
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	
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AFFIX SEAL: SEAN W. MILLER
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AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	COUNTY: JEFFERSON	REGION: 7			TYPICAL SECTIONS NOBLE STREET / WILLOW STREET	DRAWING NO. TYP-2 SHEET NO. 6
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.					JEFFERSON COUNTY HIGHWAY DEPARTMENT	Stantec

WORK ZONE TRAFFIC CONTROL GENERAL NOTES:

SEE NYSDOT STANDARD SHEET 619-10 FOR WORK ZONE TRAFFIC CONTROL GENERAL NOTES, SUPPLEMENTED BY THE FOLLOWING:

GENERAL NOTES:

- THE CONTRACTOR WILL BE REQUIRED TO PROVIDE, ERECT, AND MAINTAIN NECESSARY TEMPORARY TRAFFIC CONTROL DEVICES, DELINEATOR, SIGNS, AND BARRICADES IN ACCORDANCE WITH THE 2009 EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE NEW YORK STATE SUPPLEMENT TO THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", SECTION 619 OF THE NYSDOT STANDARD SPECIFICATIONS AND NYSDOT 619 STANDARD SHEETS.
- THE WORK ZONE TRAFFIC CONTROL SCHEMES SHOWN IN THESE PLANS DESCRIBE THE RECOMMENDED METHODS AND CONTROL DEVICES NECESSARY. THE ENGINEER MAY ORDER ADDITIONAL DEVICES AND/OR METHODS TO MEET FIELD CONDITIONS.
- THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO AVOID DAMAGING EXISTING PAVEMENT, CURBS AND SIDEWALKS WHEN IT IS NECESSARY TO MOVE EQUIPMENT THROUGH LOCAL STREETS. THE CONTRACTOR SHALL OBSERVE ALL OF THE RULES AND REGULATIONS, AND DIRECTIONS OF THE LOCAL MUNICIPALITIES RELATIVE TO SUCH HANDLING OF EQUIPMENT, AND TAKE SUCH PROTECTIVE MEASURES AS HE DEEMS NECESSARY OR A.O.B.E.. LOCAL STREET PAVEMENTS, CURBS, VEGETATION, SIDEWALKS, AND OTHER APPURTENANCES LOCATED WITHIN THE CONTRACT LIMITS THAT ARE NOT SCHEDULED TO BE REPLACED, AND ARE DAMAGED BY THE CONTRACTOR, SHALL BE RESTORED, REPLACED OR REPAIRED (TO THE SATISFACTION OF THE ENGINEER) AT HIS SOLE COST AND EXPENSE.
- ALL DROP OFFS SHALL BE PROTECTED AS OUTLINED IN SECTION 619 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS CONSTRUCTION OPERATIONS SO AS TO BE IN CONFORMANCE WITH THE TRAFFIC CONTROL PLANS, AND WITH THAT OF THE AFFECTED UTILITY COMPANIES.
- IN ORDER TO MAINTAIN EFFECTIVE TRAFFIC CONTROL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE ALL SIGNS, CONES, DRUMS, BARRICADES, ETC. ARE IN PLACE AND IN GOOD CONDITION PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. THE SOLE JUDGE OF THE EFFECTIVENESS OF THE CONTRACTOR'S EFFORTS TOWARD PROTECTION OF TRAFFIC AND PERSONNEL SHALL BE THE ENGINEER IN CHARGE.
- PLACEMENT OF HMA BASE AND BINDER COURSES SHALL OCCUR WITHIN TWO (2) WEEKS OF THE START OF THE BOX-OUT OPERATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF THE SUBBASE/SUBGRADE. THE CONTRACTOR IS REMINDED THAT HE MAY NEED TO REGRADE, ADD TO, AND/OR RECOMPACT THE SUBBASE COURSE PRIOR TO PLACEMENT OF THE NEW ASPHALT BASE COURSE. COST OF THIS EFFORT TO BE INCLUDED IN BID PRICE FOR ASPHALT ITEMS. IF THE PAVEMENT BASE COURSE IS NOT IN PLACE WITHIN (2) WEEKS, NECESSARY REPAIRS SHALL BE MADE AT NO COST TO THE PROJECT.
- PROGRESS WITH THE INSTALLATION OF PERMANENT SIGNING AND PAVEMENT MARKINGS AS APPROPRIATE. ALL SIGNS AND MARKINGS MUST BE IN PLACE BEFORE THE OPENING OF ANY PORTIONS OF THE PROJECT. TO ACCOMMODATE FINAL AND/OR DETOUR PATTERNS, CARE MUST BE TAKEN TO ENSURE THAT FINAL SIGNING AND PAVEMENT MARKINGS WILL NOT BE CONTRADICTORY TO PROPOSED OPERATIONS DURING ANY ONE PHASE. FINAL SIGNS IN PLACE BUT NOT IN USE FOR DIRECTING TRAFFIC SHALL BE COVERED.
- DELINEATION DEVICES CONFORMING TO NYSDOT REQUIREMENTS SHALL BE SPACED AT A DISTANCE OF 30 FEET. THE CONTRACTOR SHALL REDUCE THE SPACING TO 15 FEET THROUGH ALL HORIZONTAL CURVES AND TAPERS WITHIN THE PROJECT. CLOSER SPACING MAY BE REQUIRED IN OTHER AREAS, A.O.B.E.

ACTIVITY AREA:

- VEHICLES BELONGING TO OR USED BY THE CONTRACTOR OR WORKERS SHALL NOT BE PARKED ON THE PAVEMENT OR SHOULDERS ALONG A ROADWAY BEING USED BY THE GENERAL PUBLIC NOR ON ENVIRONMENTALLY SENSITIVE AREAS. THE CONTRACTOR SHALL NOT PARK EQUIPMENT OR STORE HIS MATERIALS WHERE IT IS DEEMED A HAZARD TO TRAFFIC BY THE ENGINEER.
- CONSTRUCTION EQUIPMENT SHALL BE REMOVED FROM THE ROADSIDE AREA DURING ALL NON-WORKING HOURS. PROVIDE A 30 FOOT OFFSET FROM THE EDGE OF THE ROADWAY. THE CLEAR ZONE OFFSET MAY BE REDUCED WHERE EXISTING PAVEMENT OBSTRUCTIONS ARE CLOSER TO THE ROADWAY.
- NO MATERIAL IS TO BE STORED WITHIN 30 FEET FROM THE EDGE OF PAVEMENT, EXCEPT THAT WHICH IS TO BE PLACED THAT DAY.
- TO FACILITATE SAFE ACCESS, ADEQUATE SIGHT DISTANCE FOR CONSTRUCTION WORKERS, EQUIPMENT, AND SUPPLY/DELIVERY VEHICLES ENTERING OR DEPARTING THE WORKSITE MUST BE PROVIDED AT ALL TIMES.
- WHEN THERE IS ANY INDICATION THAT WORKSITE ACCESS IS A SAFETY CONCERN, SPECIFIC PROVISIONS MAY BE NECESSARY TO ENSURE THAT SAFE ACCESS IS PROVIDED AND USED.
- WHEN THE VISIBILITY OF THE TRAVELING PUBLIC IS RESTRICTED DUE TO WEATHER CONDITIONS AND/OR THE WORK OPERATIONS COMMENCE PRIOR TO DAWN OR CONTINUE BEYOND DUSK, FLASHING BEACONS AND STEADY BURNING LIGHTS SHALL BE PROVIDED BY THE CONTRACTOR AND PLACED AS DIRECTED BY THE ENGINEER. IF A FLAGGING OPERATION IS NECESSARY BEYOND DAYLIGHT HOURS, THE FLAGGERS AND WORK ZONE SHALL BE ILLUMINATED BY FLOODLIGHTS.

ACTIVITY AREA (CONTINUED):

- THE CONTRACTOR SHALL SCHEDULE OPERATIONS SO THAT TRAFFIC WILL BE MAINTAINED ON A PAVED AND/OR GRAVEL SURFACE DURING NON WORKING HOURS OR A.O.B.E.
- WHENEVER THE TRAFFIC IS LIMITED TO A ONE-WAY OPERATION, FLAGGERS SHALL BE UTILIZED. THE FLAGGERS WILL BE REQUIRED TO USE RADIO OR FIELD TELEPHONE CONTACT WHEN THEY ARE MAINTAINING ONE-WAY TRAFFIC AND ONE FLAGGER IS NOT VISIBLE TO THE OTHER, OR IF IN THE OPINION OF THE ENGINEER, THIS COMMUNICATION IS NECESSARY. THE COST OF ANY RADIO OR FIELD TELEPHONES USED SHALL BE INCLUDED IN THE PRICE BID FOR BASIC WORK ZONE TRAFFIC CONTROL (ITEM 619.01).

SIGNS:

- DUE TO UNFORESEEN CONDITIONS, ADDITIONAL CONSTRUCTION SIGNS NOT SHOWN ON THE PLANS MAY BE REQUIRED BY THE ENGINEER. THE COST OF ALL CONSTRUCTION SIGNS IS TO BE INCLUDED IN THE PRICE BID FOR ITEM 619.01.
- THE CONTRACTOR SHALL PATROL THE CONSTRUCTION ZONE AND ITS APPROACHES DAILY TO ENSURE THAT ALL WORK ZONE TRAFFIC CONTROL SIGNS ARE PROPERLY POSITIONED AND LEGIBLE. THE CONTRACTOR SHALL PROVIDE "BUMP" AND "ROUGH ROAD NEXT XX FEET" SIGNS AS NECESSARY. DAMAGED SIGNS SHALL BE REPAIRED OR REPLACED, A.O.B.E.
- THE TEMPORARY COVERING AND/OR REMOVING, RELOCATING AND REPLACING OF EXISTING SIGN PANELS AND ASSEMBLIES SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE INCLUDED IN THE PRICE BID FOR BASIC WORK ZONE TRAFFIC CONTROL (ITEM 619.01). SIGNS WHICH ARE NOT APPLICABLE DURING WORKING AND/OR NON-WORKING HOURS SHALL BE COVERED OR REMOVED FROM VIEW (A.O.B.E.).
- CARE SHOULD BE TAKEN SO AS NOT TO DAMAGE THE PERMANENT SIGNS IF THEY ARE COVERED. ANY SIGN SO DAMAGED SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER, AT NO ADDITIONAL COST TO THE COUNTY.

EMERGENCY AND PUBLIC ACCESS:

- AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR MUST PROVIDE SAFE AND CONVENIENT EMERGENCY ACCESS. THE CONTRACTOR IS REQUIRED TO DESIGNATE A CONTACT PERSON WHO WILL MAKE AND MAINTAIN ADEQUATE COMMUNICATION AND COORDINATION WITH LOCAL FIRE AND POLICE AUTHORITIES AND AMBULANCE SERVICES. CONTACT SHALL BE MADE PRIOR TO THE BEGINNING OF CONSTRUCTION AND MAINTAINED ON A CONTINUOUS ONGOING BASIS, AND IN A TIMELY FASHION. AUTHORITIES SHALL BE ADVISED OF THE CONTRACTOR'S PROGRESS AND SCHEDULE SO THAT EMERGENCY SERVICE PERSONNEL CAN PLAN TO MAKE ANY NECESSARY ADJUSTMENTS TO THEIR ROUTES AND METHOD OF OPERATIONS. THE CONTACT PERSON SHALL HAVE THE AUTHORITY TO MAKE AND IMPLEMENT DECISIONS REGARDING THE CONTRACTOR'S OPERATIONS. TIMELY NOTIFICATION SHALL BE TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR IS REQUIRED TO MAKE PERSONAL CONTACT WITH APPROPRIATE SCHOOL OFFICIALS IN RESPECT TO THE EFFECT OF ROAD CLOSINGS OR DETOURS ON SCHOOL BUS OPERATION AND PEDESTRIAN (SCHOOL CHILDREN) ROUTES. THIS SHOULD BE DONE SEVERAL WEEKS IN ADVANCE OF ANY CLOSING OR IMPLEMENTATION OF DETOURS SO THAT THERE WILL BE ADEQUATE TIME FOR THE SCHOOL TO MAKE NECESSARY ADJUSTMENTS TO THEIR SCHEDULES AND ROUTES.

DUST CONTROL:

- DUST CONTROL WILL BE CLOSELY MONITORED BY THE ENGINEER-IN-CHARGE. IF IN THE OPINION OF THE E.I.C., DUSTY CONDITIONS EXIST AS A RESULT OF THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL CORRECT THE CONDITION BY USE OF CALCIUM CHLORIDE AND WATER AS SPECIFIED IN SECTION 619-03.02A (BASIC WORK ZONE TRAFFIC CONTROL) OF THE STANDARD SPECIFICATIONS (US CUSTOMARY UNITS). THE COST OF ANY DUST CONTROL MEASURES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR BASIC WORK ZONE TRAFFIC CONTROL (ITEM 619.01).

TYPE III BARRICADE:

- THE CONTRACTOR SHALL PAY ATTENTION TO NYSDOT STANDARD SHEET 619-02 FOR THE INSTALLATION OF TYPE III BARRICADES. THE CONTRACTOR SHALL MOUNT THE WARNING LIGHTS ON THE BACK OF THE TYPE III BARRICADES.

CHANNELIZING DEVICES:


- REFER TO THE "TAPERS" SECTION IN THE "CONSTRUCTION DETAILS" OF SECTION 619 OF THE STANDARD SPECIFICATIONS FOR AN APPROVED LIST OF CHANNELIZING DEVICES THAT CAN BE USED ON TAPERS IN A WORK ZONE.
- ALL TEMPORARY PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OUTLINED UNDER "CONSTRUCTION ZONE PAVEMENT MARKINGS" IN SECTION 619 OF THE STANDARD SPECIFICATIONS. ALL TEMPORARY MARKING PATTERNS SHALL BE AS SHOWN ON THE PLANS, OR A.O.B.E. COST OF ANY TEMPORARY PAVEMENT MARKINGS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL. NO SEPARATE PAYMENT WILL BE MADE FOR THE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS.
- AT THE START OF WORK ON THE PROJECT, ALL WORK ZONE TRAFFIC CONTROL DEVICES SHALL APPEAR IN "ACCEPTABLE" CONDITION AS PICTURED IN THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) MANUAL, GUIDELINES FOR THE WORK ZONE TRAFFIC CONTROL DEVICES. THESE DEVICES SHALL NOT BE ALLOWED TO FALL BELOW THE "MARGINAL" CONDITION AT ANY TIME DURING THE DURATION OF THE PROJECT.
- THE CONTRACTOR SHALL MAINTAIN EXISTING PAVEMENT MARKINGS WITHIN THE CONSTRUCTION LIMITS WHERE ORDERED BY THE ENGINEER. THE COST OF THIS SHALL BE INCLUDED IN THE PRICE BID FOR BASIC WORK ZONE TRAFFIC CONTROL (ITEM 619.01).
- ANY EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE REMOVED, AS ORDERED BY THE ENGINEER (A.O.B.E.). THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR BASIC WORK ZONE TRAFFIC CONTROL (ITEM 619.01).
- PAYMENT FOR DELINEATION DEVICES (CONES, DRUMS) ARE INCLUDED UNDER ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.
- THE ROADWAY CAN NOT BE OPEN TO THE PUBLIC UNTIL ALL TEMPORARY OR PERMANENT PAVEMENT MARKINGS HAVE BEEN INSTALLED AS INDICATED ON THE WZP OR SPM DWGS.


UTILITIES:

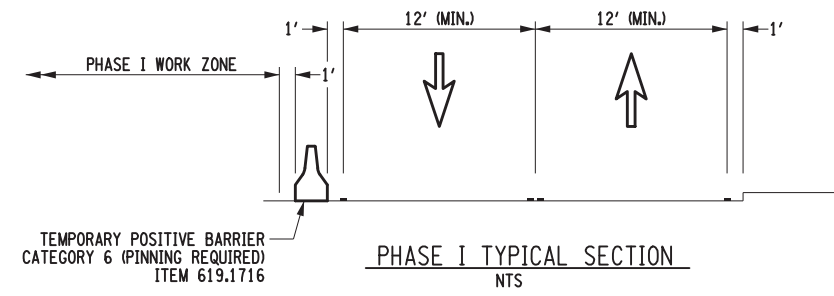
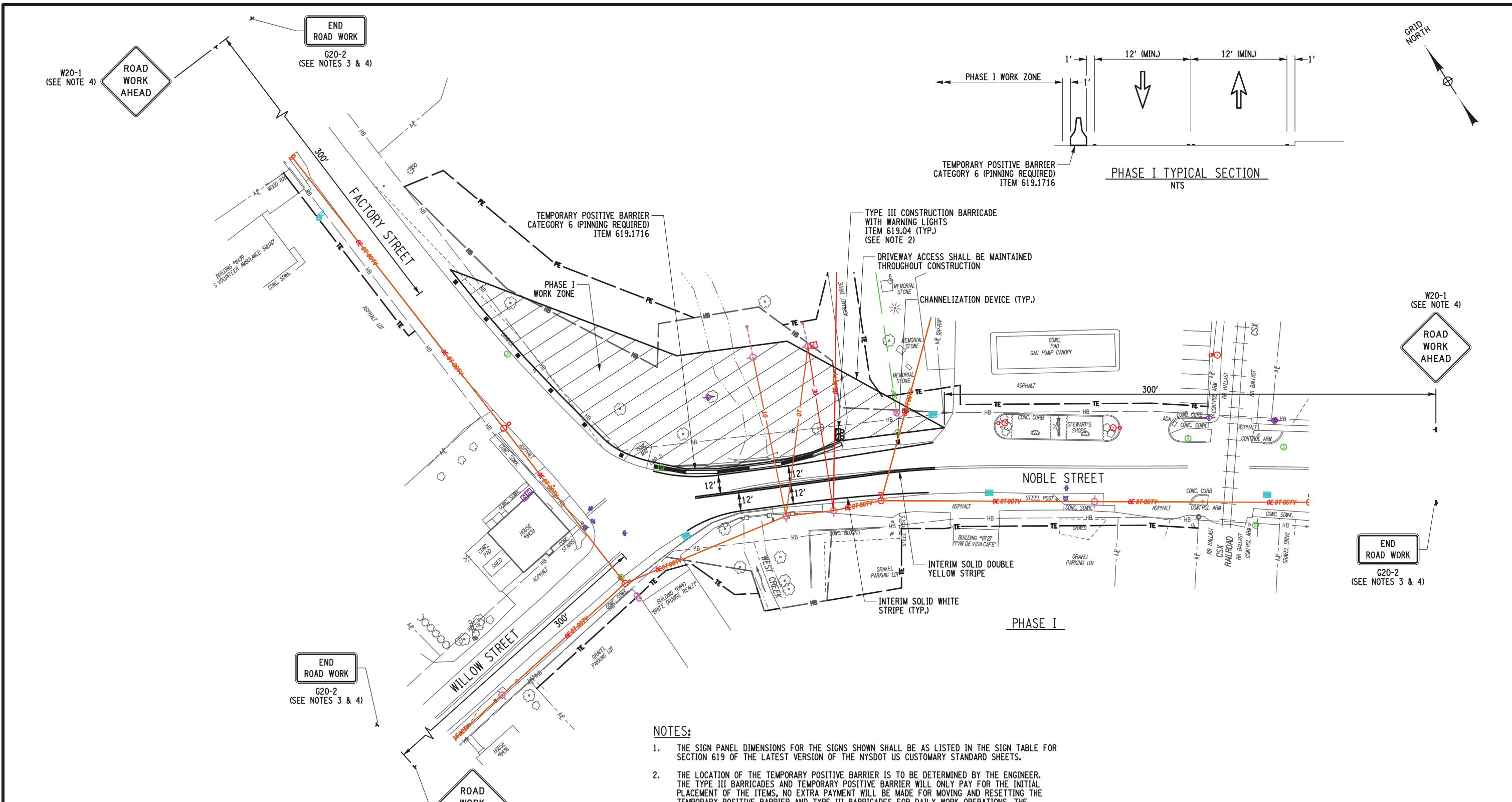
- THE CONTRACTOR SHALL COORDINATE ALL CONTRACT WORK WITH ANY UTILITY WORK, SUBCONTRACTOR WORK, PUBLIC MAINTENANCE WORK OR OTHER CONSTRUCTION OPERATIONS IN THE AREA, TO ENSURE THAT THERE ARE NO TRAFFIC CONTROL CONFLICTS.

GENERAL CONSTRUCTION STAGING NOTES:

- THE CONTRACTOR SHALL FOLLOW THE PHASING SHOWN IN THE WZP AND ST DRAWINGS. ADVANCE WARNING SIGNS SHALL BE PLACED PRIOR TO ANY WORK STARTING WITHIN THE PROJECT WORK LIMITS TO FOREWARN TRAFFIC OF FUTURE ROADWAY/BRIDGE CLOSURE.
- THE CONTRACTOR SHALL MAINTAIN TRAFFIC ON APPROACH ROADWAY FOR LOCAL RESIDENCES AT ALL TIMES DURING CONSTRUCTION. THERE SHALL BE NO DROP-OFFS OR ELEVATION DIFFERENCES THAT WOULD PREVENT LOCAL TRAFFIC TO ACCESS PRIVATE DRIVES LOCATED WITHIN THE PROJECT LIMITS. IF NECESSARY, TEMPORARY DRIVES MUST BE ESTABLISHED AND MAINTAINED.

AFFIX SEAL: SEAN W. MILLER ON: MARCH 5, 2024	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS				WORK ZONE TRAFFIC CONTROL PLAN GENERAL NOTES	DRAWING NO. WZP-1 SHEET NO. 7
COUNTY: JEFFERSON REGION: 7					JEFFERSON COUNTY HIGHWAY DEPARTMENT	
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NOTES:

1. THE SIGN PANEL DIMENSIONS FOR THE SIGNS SHOWN SHALL BE AS LISTED IN THE SIGN TABLE FOR SECTION 619 OF THE LATEST VERSION OF THE NYS DOT US CUSTOMARY STANDARD SHEETS.
2. THE LOCATION OF THE TEMPORARY POSITIVE BARRIER IS TO BE DETERMINED BY THE ENGINEER. THE TYPE III BARRICADES AND TEMPORARY POSITIVE BARRIER WILL ONLY PAY FOR THE INITIAL PLACEMENT OF THE ITEMS, NO EXTRA PAYMENT WILL BE MADE FOR MOVING AND RESETTING THE TEMPORARY POSITIVE BARRIER AND TYPE III BARRICADES FOR DAILY WORK OPERATIONS. THE COST OF MOVING AND RESETTING THE TYPE III BARRICADES AND TEMPORARY POSITIVE BARRIER SHALL BE INCLUDED IN THE COST OF 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.
3. END ROAD WORK SIGN (G20-2) SHALL BE PLACED NO MORE THAN 500 FT BEYOND THE END OF THE WORK ZONE OR A.O.B.E.
4. THESE SIGNS SHALL BE INSTALLED PRIOR TO THE BEGINNING OF ANY WORK WITHIN THE PROJECT LIMITS.



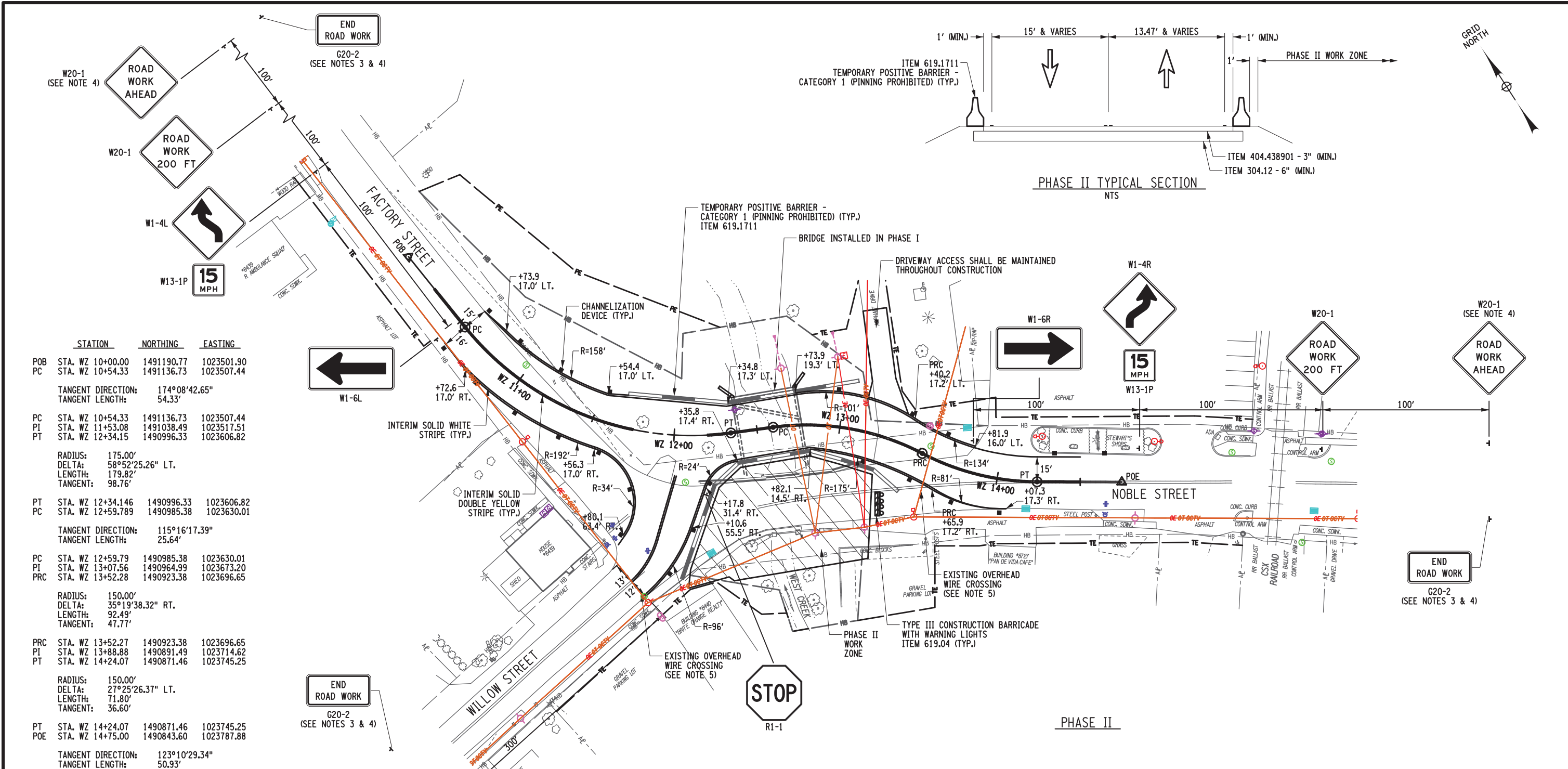
AFFIX SEAL: SEAN W. MILLER
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AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			WORK ZONE TRAFFIC CONTROL PLAN PHASE I	DRAWING NO. WZP-2 SHEET NO. 8
	COUNTY: JEFFERSON	REGION: 7			JEFFERSON COUNTY HIGHWAY DEPARTMENT	

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JEFFERSON COUNTY
HIGHWAY DEPARTMENT



STATION	NORTHING	EASTING
POB STA. WZ 10+00.00	1491190.77	1023501.90
PC STA. WZ 10+54.33	1491136.73	1023507.44
TANGENT DIRECTION: 174°08'42.65"		
TANGENT LENGTH: 54.33'		
PC STA. WZ 10+54.33	1491136.73	1023507.44
PI STA. WZ 11+53.08	1491038.49	1023517.51
PT STA. WZ 12+34.15	1490996.33	1023606.82
RADIUS: 175.00'		
DELTA: 58°52'25.26" LT.		
LENGTH: 179.82'		
TANGENT: 98.76'		
PT STA. WZ 12+34.15	1490996.33	1023606.82
PC STA. WZ 12+59.79	1490985.38	1023630.01
PI STA. WZ 13+07.56	1490964.99	1023673.20
PRC STA. WZ 13+52.28	1490923.38	1023696.65
RADIUS: 150.00'		
DELTA: 35°19'38.32" RT.		
LENGTH: 92.49'		
TANGENT: 47.77'		
PRC STA. WZ 13+52.28	1490923.38	1023696.65
PI STA. WZ 13+88.88	1490891.49	1023714.62
PT STA. WZ 14+24.07	1490871.46	1023745.25
RADIUS: 150.00'		
DELTA: 27°25'26.37" LT.		
LENGTH: 71.80'		
TANGENT: 36.60'		
PT STA. WZ 14+24.07	1490871.46	1023745.25
POE STA. WZ 14+75.00	1490843.60	1023787.88
TANGENT DIRECTION: 123°10'29.34"		
TANGENT LENGTH: 50.93'		

NOTES:

- THE SIGN PANEL DIMENSIONS FOR THE SIGNS SHOWN SHALL BE AS LISTED IN THE SIGN TABLE FOR SECTION 619 OF THE LATEST VERSION OF THE NYSDOT US CUSTOMARY STANDARD SHEETS.
- THE LOCATION OF THE TEMPORARY POSITIVE BARRIER IS TO BE DETERMINED BY THE ENGINEER. THE TYPE III BARRICADES AND TEMPORARY POSITIVE BARRIER WILL ONLY PAY FOR THE INITIAL PLACEMENT OF THE ITEMS, NO EXTRA PAYMENT WILL BE MADE FOR MOVING AND RESETTING THE TEMPORARY POSITIVE BARRIER AND TYPE III BARRICADES FOR DAILY WORK OPERATIONS. THE COST OF MOVING AND RESETTING THE TYPE III BARRICADES AND TEMPORARY POSITIVE BARRIER SHALL BE INCLUDED IN THE COST OF 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.
- END ROAD WORK SIGN (G20-2) SHALL BE PLACED NO MORE THAN 500 FT BEYOND THE END OF THE WORK ZONE OR A.O.B.E.
- THESE SIGNS SHALL BE INSTALLED PRIOR TO THE BEGINNING OF ANY WORK WITHIN THE PROJECT LIMITS.
- CONTRACTOR TO VERIFY OVERHEAD WIRES ARE RELOCATED BEFORE PHASE II CONSTRUCTION OR EXISTING VERTICAL CLEARANCE MEETS REQUIREMENTS FOR THE PROPOSED ROAD GRADES.



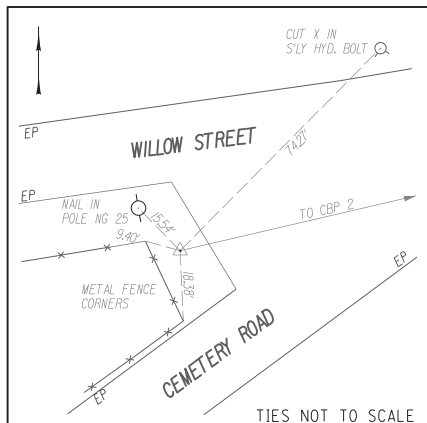
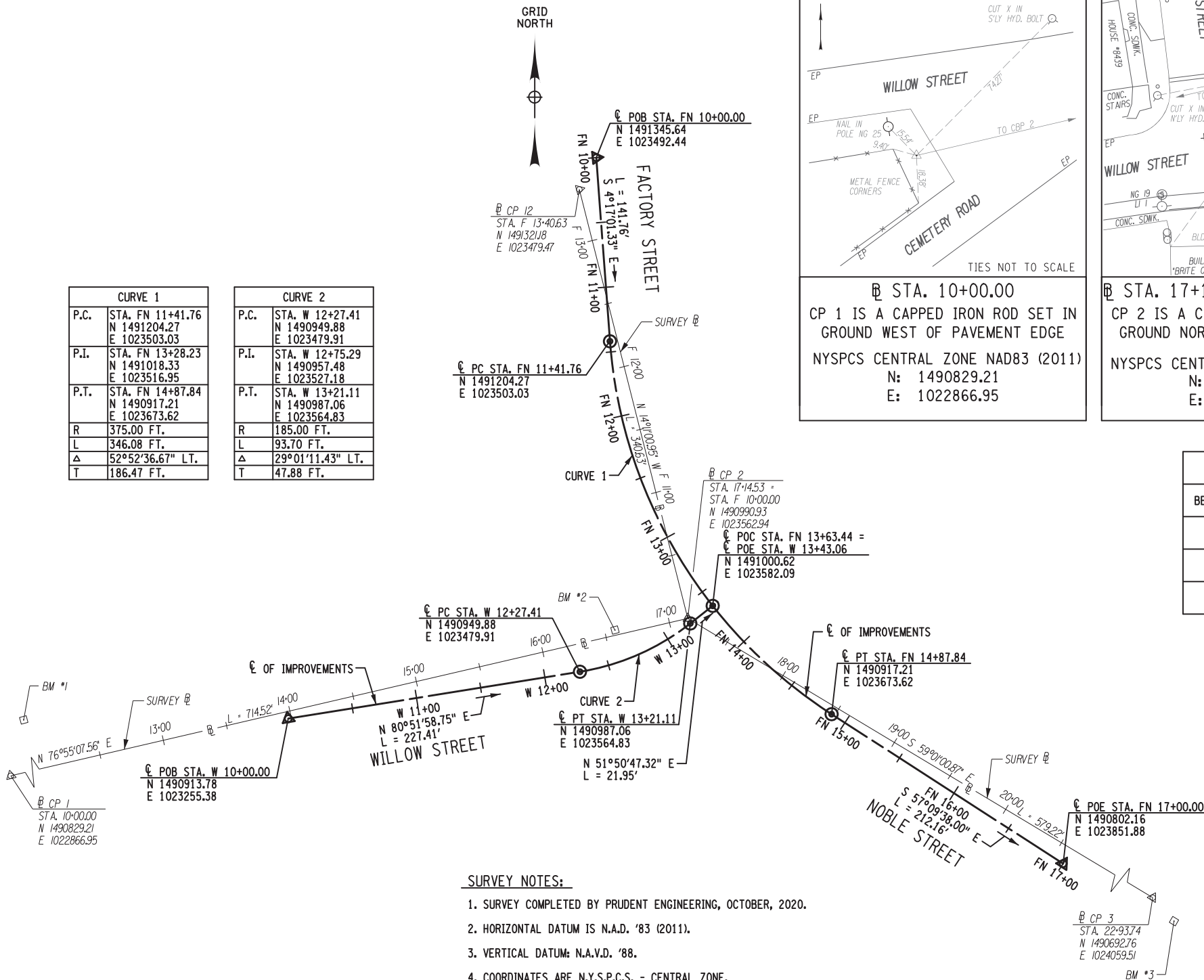
AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

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 ON:

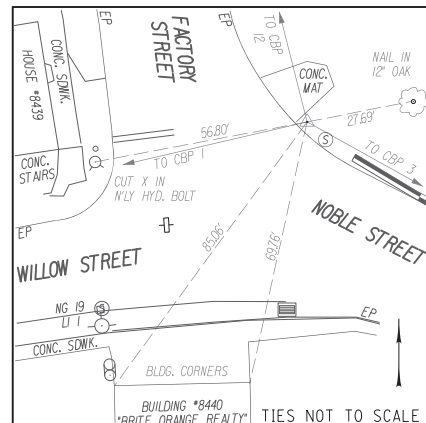
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	7753.77	3371810			
	COUNTY: JEFFERSON	UTILITY QUALITY LEVEL 'D'			WORK ZONE TRAFFIC CONTROL PLAN PHASE II	DRAWING NO. WZP-3 SHEET NO. 9
	REGION: 7					
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.					JEFFERSON COUNTY HIGHWAY DEPARTMENT	Stantec

CURVE 1	
P.C.	STA. FN 11+41.76 N 1491204.27 E 1023503.03
P.I.	STA. FN 13+28.23 N 1491018.33 E 1023516.95
P.T.	STA. FN 14+87.84 N 1490917.21 E 1023673.62
R	375.00 FT.
L	346.08 FT.
Δ	52°52'36.67" LT.
T	186.47 FT.

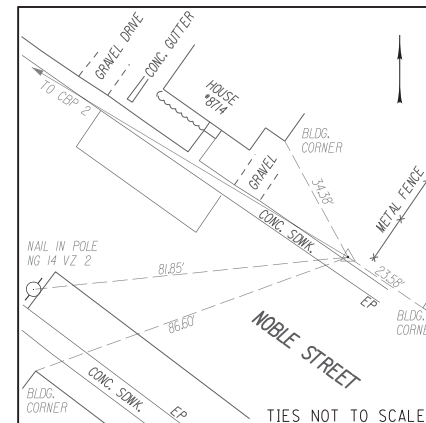
CURVE 2	
P.C.	STA. W 12+27.41 N 1490949.88 E 1023479.91
P.I.	STA. W 12+75.29 N 1490957.48 E 1023527.18
P.T.	STA. W 13+21.11 N 1490987.06 E 1023564.83
R	185.00 FT.
L	93.70 FT.
Δ	29°01'11.43" LT.
T	47.88 FT.



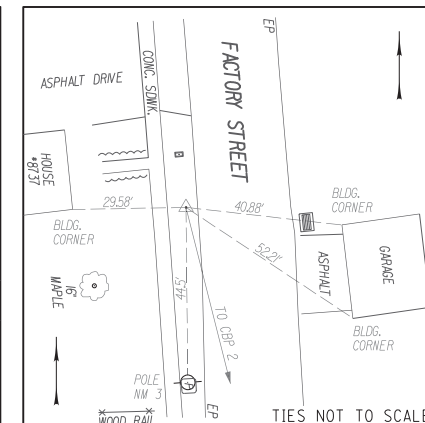
① STA. 10+00.00
 CP 1 IS A CAPPED IRON ROD SET IN GROUND WEST OF PAVEMENT EDGE
 NYSPCS CENTRAL ZONE NAD83 (2011)
 N: 1490829.21
 E: 1022866.95



② STA. 17+14.53=STA. F10+00.00
 CP 2 IS A CAPPED IRON ROD SET IN GROUND NORTH OF PAVEMENT EDGE
 NYSPCS CENTRAL ZONE NAD83 (2011)
 N: 1490990.93
 E: 1023562.94



③ STA. 22+93.74
 CP 3 IS A CAPPED IRON ROD SET IN GROUND NORTH OF CONC. SDWK.
 NYSPCS CENTRAL ZONE NAD83 (2011)
 N: 1490692.76
 E: 1024059.52



④ STA. F 13+40.63
 CP 12 IS A MAG. SPIKE SET IN GROUND WEST OF PAVEMENT EDGE
 NYSPCS CENTRAL ZONE NAD83 (2011)
 N: 1491321.18
 E: 1023479.47

TABLE OF BENCHMARKS

BENCHMARK	ELEVATION	BASELINE STATION	BASELINE OFFSET	CENTERLINE STATION	CENTERLINE OFFSET	DESCRIPTION
BM #1	417.96'	10+62.84	39.59' LT.	-	-	CUT X IN S'LY HYDRANT BOLT, NORTHERLY SIDE OF THE CEMETERY RD. & WILLOW ST. INTERSECTION.
BM #2	410.68'	16+57.87	3.96' LT.	W 12+64.12	24.24' LT.	CUT X IN N'LY HYDRANT BOLT, NORTHWEST SIDE OF THE WILLOW ST., NOBLE ST. & FACTORY ST. INTERSECTION.
BM #3	419.51'	23+17.07	7.08' RT.	-	-	CUT SQUARE IN THE TOP CONCRETE STEP OF THE EVANS MILLS PUBLIC LIBRARY, LOCATED ON THE SOUTH END OF THE STEP.

SURVEY NOTES:

1. SURVEY COMPLETED BY PRUDENT ENGINEERING, OCTOBER, 2020.
2. HORIZONTAL DATUM IS N.A.D. '83 (2011).
3. VERTICAL DATUM: N.A.V.D. '88.
4. COORDINATES ARE N.Y.S.P.C.S. - CENTRAL ZONE.
5. THE COMBINED SCALE FACTOR IS 0.99998578.
6. UNITS OF MEASURE: US SURVEY FEET.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY DIG SAFELY - NEW YORK FOR ALL UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY EXCAVATION.
8. ALL SUBSURFACE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE USED FOR PRELIMINARY ENGINEERING ONLY.
9. UTILITY INFORMATION HAS BEEN PLOTTED FROM AVAILABLE SOURCES AND THEIR PURPOSE, LOCATIONS AND SIZE SHOULD BE CONSIDERED APPROXIMATE ONLY.
10. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT UTILITY LOCATIONS, SIZES, AND ELEVATIONS PRIOR TO COMMENCING CONSTRUCTION. IF UNCHARTED OR MISPLOTTED UTILITIES ARE ENCOUNTERED, THE CONTRACTOR IS REQUIRED TO NOTIFY THE OWNER IMMEDIATELY.
11. PRIOR TO BEGINNING ANY WORK; THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF SURVEY CONTROL POINTS USED IN THE VERTICAL AND HORIZONTAL POSITIONING OF DESIGNED IMPROVEMENTS AND FOR IMMEDIATELY NOTIFYING THE E.I.C. OF ANY DISCREPANCIES FOUND.



AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			SURVEY CONTROL SHEET	DRAWING NO. SCS-1 SHEET NO. 10
	COUNTY: JEFFERSON	REGION: 7			JEFFERSON COUNTY HIGHWAY DEPARTMENT	

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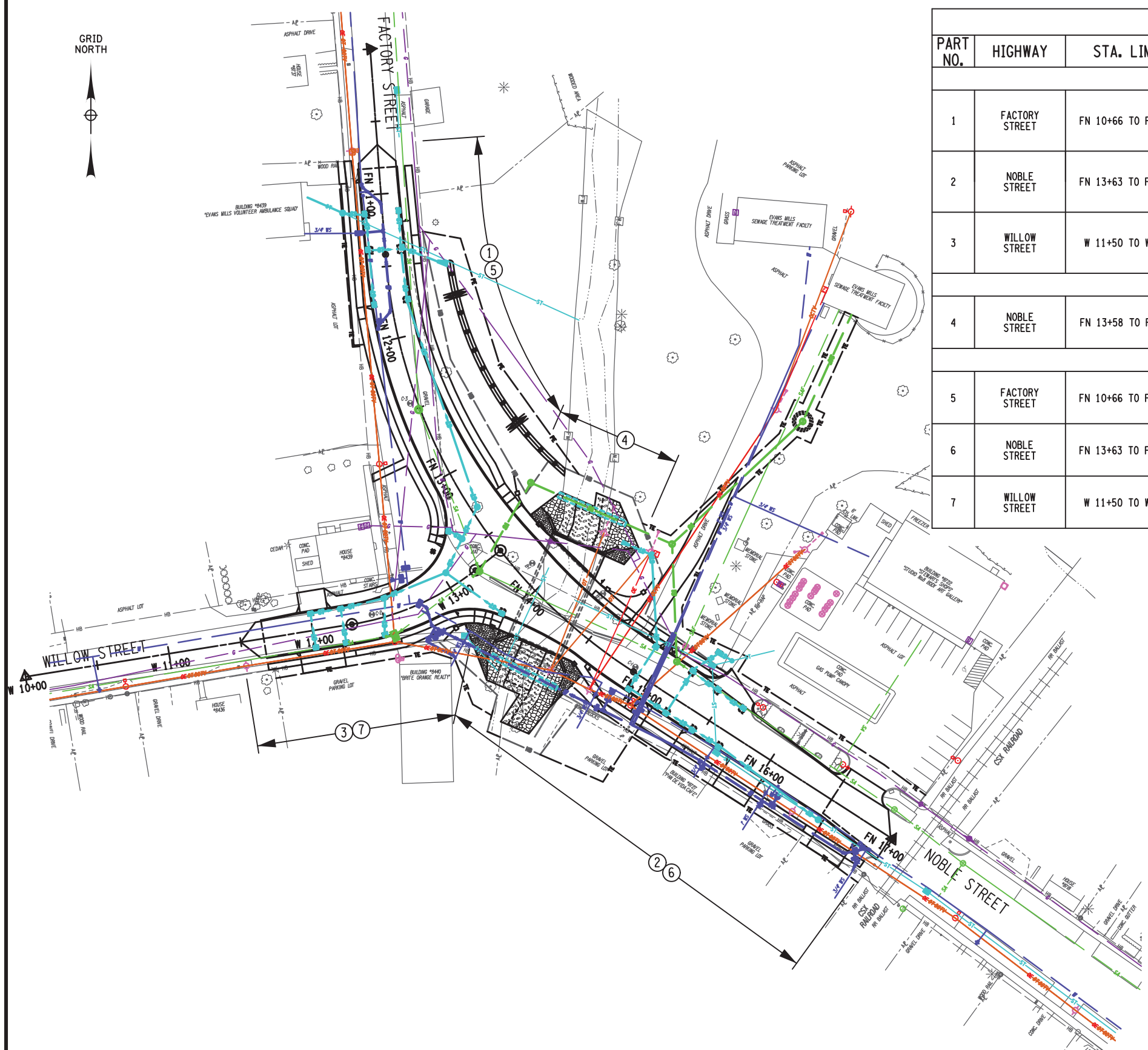


TABLE OF MAINTENANCE JURISDICTION

PART NO.	HIGHWAY	STA. LIMITS	FEATURES TO BE MAINTAINED	Q. MI.	LANE MI.	AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTION
ROADS							
1	FACTORY STREET	FN 10+66 TO FN 13+63	MAINLINE ROADWAY, INCLUDING PAVEMENT, SHOULDERS, CURBS, SIDEWALKS, GUIDERAIL, EMBANKMENTS, DITCHES, CULVERTS, SANITARY SEWER, WATERMAIN, DRAINAGE SYSTEMS, LANDSCAPING, SIGNS, STRIPING AND HIGHWAY APPURTENANCES	0.06	0.16	VILLAGE OF EVANS MILLS	SECTION 81 HIGHWAY LAW
2	NOBLE STREET	FN 13+63 TO FN 16+98	MAINLINE ROADWAY, INCLUDING PAVEMENT, SHOULDERS, CURBS, SIDEWALKS, GUIDERAIL, EMBANKMENTS, DITCHES, CULVERTS, SANITARY SEWER, WATERMAIN, DRAINAGE SYSTEMS, LANDSCAPING, SIGNS, STRIPING AND HIGHWAY APPURTENANCES	0.06	0.13	VILLAGE OF EVANS MILLS	SECTION 81 HIGHWAY LAW
3	WILLOW STREET	W 11+50 TO W 13+30	MAINLINE ROADWAY, INCLUDING PAVEMENT, SHOULDERS, CURBS, SIDEWALKS, GUIDERAIL, EMBANKMENTS, DITCHES, CULVERTS, SANITARY SEWER, WATERMAIN, DRAINAGE SYSTEMS, LANDSCAPING, SIGNS, STRIPING AND HIGHWAY APPURTENANCES	0.03	0.07	VILLAGE OF EVANS MILLS	SECTION 81 HIGHWAY LAW
STRUCTURE							
4	NOBLE STREET	FN 13+58 TO FN 14+59	ENTIRE STRUCTURE, INCLUDING STRUCTURE EMBANKMENTS & STONE FILL	0.01	0.03	JEFFERSON COUNTY	SECTION 130 HIGHWAY LAW
SNOW REMOVAL							
5	FACTORY STREET	FN 10+66 TO FN 13+63	SNOW REMOVAL, ICE CONTROL, AND PAVEMENT CLEANING	0.06	0.16	VILLAGE OF EVANS MILLS	SECTION 140 HIGHWAY LAW
6	NOBLE STREET	FN 13+63 TO FN 16+98	SNOW REMOVAL, ICE CONTROL, AND PAVEMENT CLEANING	0.06	0.13	VILLAGE OF EVANS MILLS	SECTION 140 HIGHWAY LAW
7	WILLOW STREET	W 11+50 TO W 13+30	SNOW REMOVAL, ICE CONTROL, AND PAVEMENT CLEANING	0.03	0.07	VILLAGE OF EVANS MILLS	SECTION 140 HIGHWAY LAW

NOTES:

- ALL EXISTING SANITARY SEWERS NOT DEEMED TO BE PART OF THE PROJECT BY THE SUPERINTENDENT OF HIGHWAYS, WATER MAINS, HYDRANTS, AND OTHER MUNICIPALLY OR PRIVATELY OWNED FACILITIES WITHIN THE LIMITS OF THE HIGHWAY R.O.W. WHICH REMAIN IN SERVICE UNCHANGED; AND ALL SUCH FACILITIES RELOCATED OR PROTECTED AS PART OF THE WORK PERFORMED UNDER THE PROJECT, WHETHER CROSSING, LOCATED WITHIN, OR ADJACENT TO THE R.O.W. SHALL BE MAINTAINED AS THE CASE MAY BE, BY THE MUNICIPALITY OR BY THE AGENCY OR UNIT OWNING OR HAVING CONTROL AND JURISDICTION THEREOF AT NO COST OR EXPENSE TO THE COUNTY.
- PART NO. REFERS TO THE CORRESPONDING CIRCLED NO. ON MAINTENANCE JURISDICTION PLAN.
- THE PORTION OF DRIVEWAY, CONSTRUCTED OR ADJUSTED UNDER THE PROJECT BETWEEN THE EDGE OF PAVEMENT AND THE OUTSIDE EDGE OF SHOULDER SHALL BE MAINTAINED BY THE MUNICIPALITY. THE REMAINING PORTION OF THE ADJUSTED DRIVEWAY BEYOND THE OUTSIDE EDGE OF SHOULDER SHALL BE MAINTAINED BY THE OWNER(S) UNDER SECTION 54-A OF THE HIGHWAY LAW. THIS SHALL INCLUDE SNOW REMOVAL. ALSO, ENTRANCE STAIRS AND WALKWAYS SHALL BE MAINTAINED BY THE OWNER(S) UNDER SECTION 54-A OF THE HIGHWAY LAW.
- THIS MAINTENANCE JURISDICTION TABLE INDICATES THE DIVISION OF RESPONSIBILITY FOR MAINTENANCE OF THIS PROJECT AFTER THE COMPLETION OF CONSTRUCTION. IT IN NO WAY RELIEVES THE CONTRACTOR OF HIS RESPONSIBILITY TO MAINTAIN AND PROTECT TRAFFIC AS PROVIDED BY ITEM 619 DURING CONSTRUCTION.



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS		PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	COUNTY: JEFFERSON REGION: 7						GENERAL PLAN AND TABLE OF MAINTENANCE JURISDICTION
						JEFFERSON COUNTY HIGHWAY DEPARTMENT	

GUIDE RAIL TABLE												
ITEM NO.	DESCRIPTION									PAY UNIT		
568.70	TRANSITION BRIDGE RAILING									LF		
606.1001	BOX BEAM GUIDE RAILING WITH EXTRA LONG POSTS									LF		
606.100102	BOX BEAM GUIDE RAILING WITH EXTRA LONG POSTS (SHOP BENT OR SHOP MITERED)									LF		
606.120101	BOX BEAM END PIECE									EA		
LOCATION				POST SPACING (FT)	PAYMENT FACTOR	PLAN LENGTH (FT)	SHOP CURVE RADIUS*	END SECTION TYPE**	568.70	606.1001	606.100102	606.120101
FROM		TO										
STA.	OFFSET	STA.	OFFSET									
FN 13+25.2	37.1' LT.	FN 13+32.5	34.3' LT.	VARIES	1.0	7.2	-	END PIECE	-	-	-	1.0
FN 13+32.5	34.3' LT.	FN 13+41.9	31.8' LT.	6	1.0	9.0	3500	-	-	9.0	-	-
FN 13+41.9	31.8' LT.	FN 13+51.7	31.2' LT.	VARIES	1.0	9.0	3500	-	9.0	-	-	-
FN 13+51.7	31.2' LT.	FN 13+76.8	32.8' LT.	VARIES	1.0	23.0	200.00	-	23.0	-	-	-
FN 13+76.8	32.8' LT.	FN 13+79.0	33.0' LT.	VARIES	1.0	2.0	-	-	2.0	-	-	-
FN 14+24.4	34.3' LT.	FN 14+26.6	34.2' LT.	VARIES	1.0	2.0	-	-	2.0	-	-	-
FN 14+26.6	34.2' LT.	FN 14+51.1	39.1' LT.	VARIES	1.0	23.0	4000	-	23.0	-	-	-
FN 14+51.1	39.1' LT.	FN 14+58.5	45.1' LT.	VARIES	1.0	9.0	1500	-	9.0	-	-	-
FN 14+58.5	45.1' LT.	FN 14+61.1	53.7' LT.	6	1.0	9.0	1500	-	-	-	9.0	-
FN 14+61.1	53.7' LT.	FN 14+60.8	60.9' LT.	VARIES	1.0	7.2	-	END PIECE	-	-	-	1.0
W 12+80.5	29.7' RT.	W 12+86.3	27.2' RT.	VARIES	1.0	7.2	-	END PIECE	-	-	-	1.0
W 12+86.3	27.2' RT.	W 12+94.1	26.2' RT.	6	1.0	9.0	2000	-	-	-	9.0	-
W 12+94.1	26.2' RT.	W 13+01.3	29.4' RT.	VARIES	1.0	9.0	2000	-	9.0	-	-	-
W 13+01.3	29.4' RT.	FN 13+99.2	37.8' RT.	VARIES	1.0	14.3	4000	-	14.3	-	-	-
FN 13+99.2	37.8' RT.	FN 14+08.2	33.8' RT.	VARIES	1.0	10.7	-	-	10.7	-	-	-
FN 14+42.6	21.2' RT.	FN 14+48.1	19.5' RT.	VARIES	1.0	6.0	-	-	6.0	-	-	-
FN 14+48.1	19.5' RT.	FN 14+53.7	19.7' RT.	VARIES	1.0	6.0	1000	-	6.0	-	-	-
FN 14+53.7	19.7' RT.	FN 14+73.2	27.1' RT.	VARIES	1.0	22.0	-	-	22.0	-	-	-
FN 14+73.2	27.1' RT.	FN 14+81.0	30.4' RT.	6	1.0	9.0	-	-	-	-	9.0	-
FN 14+81.0	30.4' RT.	FN 14+87.1	33.2' RT.	VARIES	1.0	7.2	-	END PIECE	-	-	-	1.0
TOTALS:									136.0	18.0	18.0	4.0


* SHOP CURVE RADIUS IS MEASURED AT THE CONCAVE FACE OF THE CURVED RAIL FOR THE SHOP CURVE
 ** INSTALL LIKE A TYPE IIA END SECTION


GUIDE RAIL REMOVAL TABLE				
ITEM NO.	DESCRIPTION			PAY UNIT
606.75	REMOVING AND DISPOSING CONCRETE BARRIER			LF
LOCATION				
FROM		TO		LF
STA.	SIDE	STA.	SIDE	
FN 13+73	LT.	FN 14+69	RT.	101
TOTALS:				101

UNDERDRAIN TABLE							
ITEM NO.	DESCRIPTION						UNITS
206.0201	TRENCH AND CULVERT EXCAVATION						CY
605.1001	UNDERDRAIN FILTER, TYPE 2						CY
605.1501	PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING, 4" DIA.						LF
STATION		LENGTH	206.0201 (CY)	605.1001 (CY)	605.1501 (LF)	DRAINS	
FROM	TO					FROM	TO
FACTORY STREET - LEFT SIDE							
FN 10+82.0 LT.	DS 7	28.9	2.1	2.1	28.9	FN 10+82.0 LT.	DS 7
DS 7	DS 2	22.7	1.7	1.7	22.7	DS 7	DS 2
DS 2	DS 8	30.9	2.3	2.3	30.9	DS 8	DS 2
DS 8	FN 13+93.0 LT. (HP)	207.2	15.3	15.3	207.2	FN 13+93.0 LT. (HP)	DS 8
FACTORY STREET - RIGHT SIDE							
FN 10+82.0 RT.	DS 5	29.4	2.2	2.2	29.4	FN 10+82.0 RT.	DS 5
DS 5	DS 3	20.8	1.5	1.5	20.8	DS 5	DS 3
DS 3	DS 4	34.2	2.5	2.5	34.2	DS 4	DS 3
DS 4	DS 11	162.6	12.0	12.0	162.6	DS 11	DS 4
NOBLE STREET - LEFT SIDE							
FN 13+93.0 LT. (HP)	DS 22	91.4	6.8	6.8	91.4	FN 13+93.0 LT. (HP)	DS 22
DS 22	DS 29	27.6	2.0	2.0	27.6	DS 22	DS 29
DS 29	DS 32	18.6	1.4	1.4	18.6	DS 29	DS 32
DS 32	DS 33	18.6	1.4	1.4	18.6	DS 33	DS 32
DS 33	FN 16+50.0 LT.	83.8	6.2	6.2	83.8	FN 16+50.0 LT.	DS 33
NOBLE STREET - RIGHT SIDE							
DS 13	DS 23	99.0	7.3	7.3	99.0	DS 13	DS 23
DS 23	DS 24	27.0	2.0	2.0	27.0	DS 23	DS 24
DS 24	DS 25	18.0	1.3	1.3	18.0	DS 24	DS 25
DS 25	DS 26	18.5	1.4	1.4	18.5	DS 25	DS 26
DS 26	FN 16+98.0 RT.	132.0	9.8	9.8	132.0	FN 16+98.0 RT.	DS 26
WILLOW STREET - LEFT SIDE							
W 11+66.0 LT.	DS 18	33.1	2.5	2.5	33.1	W 11+66.0 LT.	DS 18
DS 18	DS 16	18.5	1.4	1.4	18.5	DS 18	DS 16
DS 16	DS 14	28.2	2.1	2.1	28.2	DS 14	DS 16
DS 14	DS 11	64.6	4.8	4.8	64.6	DS 11	DS 14
WILLOW STREET - RIGHT SIDE							
W 11+66.0 RT.	DS 19	33.1	2.5	2.5	33.1	W 11+66.0 RT.	DS 19
DS 19	DS 17	18.5	1.4	1.4	18.5	DS 19	DS 17
DS 17	DS 15	24.7	1.8	1.8	24.7	DS 15	DS 17
DS 15	DS 13	81.4	6.0	6.0	81.4	DS 13	DS 15
TOTAL:			102	102	1373		

NOTES:

- IN GENERAL, THE UNDERDRAIN PIPE SHALL FOLLOW THE CURB RADII AT INTERSECTIONS.
- THE CONTRACTOR SHALL CONNECT THE NEW UNDERDRAIN PIPE TO EXISTING UNDERDRAIN PIPE (IF PRESENT) AT THE LIMITS OF RECONSTRUCTION OR AT CATCH BASINS (IF PRESENT), COST TO BE INCLUDED IN THE PRICE BID FOR UNDERDRAIN ITEMS.

AFFIX SEAL: SEAN W. MILLER ON: MARCH 5, 2024	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS					DRAWING NO. MST-1 SHEET NO. 12
					MISCELLANEOUS TABLES GUIDE RAIL / UNDERDRAIN	
					JEFFERSON COUNTY HIGHWAY DEPARTMENT	
						

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FILE NAME = U:\192800\066\Transportation\Design - Highway\Drawing\Plan Set\VF1-MST-4.dgn
 DATE/TIME = 6/12/2024 1:23:09 PM
 USER = swmiller

PROJECT MANAGER T. BUTLER
 CHECK B. WALKER
 DRAFTING S. ROMEISER
 CHECK B. WALKER
 DESIGN S. MILLER
 DESIGN SUPERVISOR J. HOFMANN

WATER MAIN FITTINGS AND VALVE TABLE											
ITEM NO.	DESCRIPTION										UNITS
663.07080108	FURNISH AND INSTALL 8 NPS INSERTING VALVE AND BOX										EA
663.1006	RESILIENT WEDGE VALVE & VALVE BOX, 6"										EA
663.1008	RESILIENT WEDGE VALVE & VALVE BOX, 8"										EA
663.160808	TAPPING SLEEVE, VALVE & VALVE BOX ASSEMBLY, 8"x8"										EA
663.1808	BOLTED SLEEVE TYPE COUPLING, 8"										EA
663.2001	IRON WATER MAIN FITTINGS (3" - 8")										LBS
663.2106	WEDGE TYPE MECHANICAL RESTRAINT GLANDS, 6"										EA
663.2108	WEDGE TYPE MECHANICAL RESTRAINT GLANDS, 8"										EA
663.33	ADJUST EXISTING VALVE BOX ELEVATIONS										EA
663.40	DISCONNECT AND CAP EXISTING WATER MAIN										EA

STATION	OFFSET	DESCRIPTION	663.07080108	663.1006	663.1008	663.160808	663.1808	663.2001	663.2106	663.2108	663.33	663.40
FN 10+87.00	12.86' RT.	8" INSERTA VALVE	1	---	---	---	---	---	---	---	---	---
FN 10+92.46	12.80' RT.	BOLTED, SLEEVE TYPE COUPLING	---	---	---	---	1	---	---	---	---	1
FN 10+94.26	12.66' RT.	8" 45° BEND	---	---	---	---	---	110	---	2	---	---
FN 11+06.02	0.58' RT.	8" 45.5° BEND	---	---	---	---	---	110	---	2	---	---
FN 11+80.94	1.45' RT.	8" 45° BEND	---	---	---	---	---	110	---	2	---	---
FN 11+86.27	9.11' RT.	8" X 8" TSVB (TEMP.)	---	---	---	1	---	---	---	---	---	---
FN 11+89.37	8.12' RT.	8" 45° BEND (TEMP.)	---	---	---	---	---	110	---	2	---	---
FN 11+89.42	12.01' RT.	8" 45° BEND	---	---	---	---	---	110	---	2	---	---
FN 11+91.35	12.19' RT.	BOLTED, SLEEVE TYPE COUPLING	---	---	---	---	1	---	---	---	---	1
FN 13+35.72	59.71' RT.	ADJUST EXISTING VALVE BOX ELEVATIONS	---	---	---	---	---	---	---	---	---	1
FN 13+40.60	66.38' RT.	ADJUST EXISTING VALVE BOX ELEVATIONS	---	---	---	---	---	---	---	---	---	1
FN 13+58.41	66.41' RT.	ADJUST EXISTING VALVE BOX ELEVATIONS	---	---	---	---	---	---	---	---	---	1
FN 12+76.17	0.28' LT.	CONNECT TO EXISTING VALVE	---	---	---	---	---	---	---	---	---	1
FN 13+62.91	64.21' RT.	8" 45° BEND	---	---	---	---	---	110	---	2	---	---
FN 13+73.11	69.16' RT.	8" 45° BEND	---	---	---	---	---	110	---	2	---	---
FN 13+82.93	54.90' RT.	8" INSERTA VALVE (TEMPORARY)	1	---	---	---	---	---	---	---	---	---
FN 13+77.85	66.94' RT.	6" X 8" X 8" TEE	---	---	---	---	175	1	2	---	---	---
FN 13+78.71	69.56' RT.	6" GATE VALVE	---	1	---	---	---	---	2	---	---	---
FN 13+80.17	65.90' RT.	8" GATE VALVE	---	---	1	---	---	---	2	---	---	---
FN 13+87.98	62.19' RT.	8" 45° BEND	---	---	---	---	---	110	---	2	---	---
FN 13+95.99	58.60' RT.	8" 45° BEND	---	---	---	---	---	110	---	2	---	---
FN 14+64.19	37.33' RT.	8" 45° BEND	---	---	---	---	---	110	---	2	---	---
FN 14+72.80	35.73' RT.	8" 45° BEND	---	---	---	---	---	110	---	2	---	---
FN 14+80.62	34.49' RT.	8" GATE VALVE	---	---	1	---	---	---	2	---	---	---
FN 14+84.78	33.90' RT.	6" X 8" X 8" TEE	---	---	---	---	175	1	2	---	---	---
FN 14+83.86	25.67' RT.	6" GATE VALVE	---	1	---	---	---	---	2	---	---	---
FN 16+17.69	26.50' RT.	6" X 8" X 8" TEE	---	---	---	---	175	1	2	---	---	---
FN 16+17.69	24.53' RT.	6" GATE VALVE	---	1	---	---	---	---	2	---	---	---
FN 16+77.30	26.50' RT.	8" 45° BEND	---	---	---	---	---	110	---	2	---	---
FN 16+86.84	26.66' RT.	8" 22.5° BEND	---	---	---	---	---	105	---	2	---	---
FN 16+83.31	20.50' RT.	8" GATE VALVE	---	---	1	---	---	---	2	---	---	---
FN 16+85.36	21.82' RT.	8" X 8" TSVB (TEMP.)	---	---	---	1	---	---	1	---	---	---
FN 16+85.36	18.49' RT.	8" 45° BEND (TEMP.)	---	---	---	---	---	110	---	2	---	---
FN 16+88.90	14.90' RT.	8" 45° BEND	---	---	---	---	---	110	---	2	---	---
FN 16+90.90	14.90' RT.	BOLTED, SLEEVE TYPE COUPLING	---	---	---	---	1	---	---	---	---	1
FN 17+58.00	15.5' RT.	8" INSERTA VALVE	1	---	---	---	---	---	---	---	---	---
VARIES	VARIES	12 8" DIP PLUGS AT VARIOUS LOCATIONS	---	---	---	---	264	---	12	---	---	---
TOTALS:			3	3	3	2	3	2434	9	56	4	3

WATERMAIN TABLE																				
ITEM NO.	DESCRIPTION																			PAY UNITS
203.07	SELECT GRANULAR FILL																			CY
203.25	SAND BACKFILL																			CY
206.0201	TRENCH AND CULVERT EXCAVATION																			CY
552.17	SHIELDS AND SHORING																			SF
663.0406	PLASTIC WATER PIPE, 6"																			LF
663.0408	PLASTIC WATER PIPE, 8"																			LF
663.0703	POLYETHYLENE WATER SERVICE PIPE, 3/4"																			LF
663.0704	POLYETHYLENE WATER SERVICE PIPE, 1"																			LF
663.0707	POLYETHYLENE WATER SERVICE PIPE, 2"																			LF
663.2507	WATER SERVICE CONNECTION, 2"																			EA
663.2503	WATER SERVICE CONNECTION, 3/4"																			EA
663.2504	WATER SERVICE CONNECTION, 1"																			EA
663.2603	CURB STOP & CURB BOX, 3/4"																			EA
663.2604	CURB STOP & CURB BOX, 1"																			EA
663.2607	CURB STOP & CURB BOX, 2"																			EA
663.35	ADJUST EXISTING CURB BOX ELEVATION																			EA

LOCATION		PLAN LENGTH	203.07	203.25	206.0201	552.17	663.0406	663.0408	663.0703	663.2503	663.2603	663.0704	663.2504	663.2604	663.0707	663.2507	663.2607	663.35	REMARKS	
FROM STA.	TO STA.																			
FN 10+92.26	RT. FN 11+06.02	RT.	18.9	8.9	4.4	13.7	245.7	---	18.9	---	---	---	---	---	---	---	---	---	---	BEGIN NEW SEGMENT OF PROPOSED 8" PVC WATER MAIN
FN 11+25.54	RT. FN 11+25.80	RT.	16.8	7.9	3.9	12.1	218.4	---	---	16.8	1	---	---	---	---	---	---	---	---	3/4" SERVICE LATERAL CONNECTION TO EXISTING CURB STOP
FN 11+06.02	RT. FN 11+89.42	RT.	88.6	41.8	20.7	64.0	1151.8	---	88.6	---	---	---	---	---	---	---	---	---	---	PROPOSED 8" PVC WATER MAIN
FN 11+86.37	RT. FN 11+86.37	RT.	4.0	1.9	0.9	2.9	52.0	---	4.0	---	---	---	---	---	---	---	---	---	---	CONNECTION TO MAINTAIN WATER SERVICE DURING CONSTRUCTION
FN 11+89.42	RT. FN 11+91.35	RT.	2.0	0.9	0.5	1.4	26.0	---	2.0	---	---	---	---	---	---	---	---	---	---	END NEW SEGMENT OF PROPOSED 8" PVC WATER MAIN

LOCATION	PLAN LENGTH	203.07	203.25	206.0201	552.17	663.0406	663.0408	663.0703	663.2503	663.2603	663.0704	663.2504	663.2604	663.0707	663.2507	663.2607	663.35	REMARKS	
W 12+76.81	RT. W 12+82.38	RT.	32.3	15.3	7.5	23.3	419.9	---	32.3	---	---	---	---	---	---	---	---	---	BEGIN NEW SEGMENT OF PROPOSED 8" PVC WATER MAIN
W 12+80.85	RT. W 12+76.58	RT.	1.0	0.5	0.2	0.7	13.0	2.0	---	---	---	---	---	---	---	---	---	---	CONNECTION TO HYDRANT ON WILLOW
FN 13+80.17	RT. FN 14+84.78	RT.	131.7	62.2	30.8	95.1	1712.1	---	131.7	---	---	---	---	---	---	---	---	---	PROPOSED 8" PVC WATER MAIN CROSSING BELOW WEST CREEK
FN 14+84.78	RT. FN 14+83.84	RT.	14.2	6.7	3.3	10.3	184.6	14.2	---	---	---	---	---	---	---	---	---	---	CONNECTION TO HYDRANT ON FACTORY
FN 14+84.78	RT. FN 15+07.48	RT.	23.1	10.9	5.4	16.7	300.3	---	23.1	---	---	---	---	---	---	---	---	---	PROPOSED 8" PVC WATER MAIN
FN 15+07.48	RT. FN 15+06.14	RT.	68.8	32.5	16.1	49.7	894.4	---	68.8	---	---	---	---	68.8	1	1	---	---	2" SERVICE LATERAL CONNECTION
FN 15+05.49	RT. FN 15+04.50	RT.	58.9	27.8	13.8	42.5	765.7	---	58.9	58.9	1	1	---	---	---	---	---	---	3/4" SERVICE LATERAL CONNECTION
FN 15+07.48	RT. FN 15+63.14	RT.	55.9	26.4	13.1	40.4	726.7	---	55.9	---	---	---	---	---	---	---	---	---	PROPOSED 8" PVC WATER MAIN
FN 15+63.14	RT. FN 15+63.14	RT.	2.0	0.9	0.5	1.4	26.0	---	---	2.0	1	1	---	---	---	---	---	---	3/4" SERVICE LATERAL CONNECTION
FN 15+63.14	RT. FN 16+10.64	RT.	47.5	22.4	11.1	34.3	617.5	---	47.5	---	---	---	---	---	---	---	---	---	PROPOSED 8" PVC WATER MAIN
FN 16+10.64	RT. FN 16+10.64	RT.	2.0	0.9	0.5	1.4	26.0	---	---	---	---	2.0	1	1	---	---	---	---	1" SERVICE LATERAL CONNECTION
FN 16+10.64	RT. FN 16+17.69	RT.	6.9	3.3	1.6	5.0	89.7	---	6.9	---	---	---	---	---	---	---	---	---	PROPOSED 8" PVC WATER MAIN
FN 16+17.69	RT. FN 16+17.69	RT.	7.9	3.7	1.8	5.7	102.7	7.9	7.9	---	---	---	---	---	---	---	---	---	CONNECTION TO HYDRANT ON FACTORY
FN 16+17.69	RT. FN 16+81.99	RT.	66.2	31.3	15.5	47.8	860.6	---	66.2	---	---	---	---	---	---	---	---	---	PROPOSED 8" PVC WATER MAIN
FN 16+81.99	RT. FN 16+85.57	RT.	13.2	6.2	3.1	9.5	171.6	---	---	13.2	1	1	---	---	---	---	---	---	3/4" SERVICE LATERAL CONNECTION
FN 16+85.57	RT. FN 16+88.76	RT.	2.0	0.9	0.5	1.4	26.0	---	4.0	---	---	---	---	---	---	---	---	---	CONNECTION TO MAINTAIN WATER SERVICE DURING CONSTRUCTION
FN 16+81.99	RT. FN 16+90.90	RT.	23.8	11.2	5.6	17.2	309.4	---	23.8	---	---	---	---	---	---	---	---	---	END NEW SEGMENT OF PROPOSED 8" PVC WATER MAIN
TOTAL:			324.7	160.7	496.7	8940.1	24.1	640.5	90.9	4	3	2.0	1	1	68.8	1	1	1	

HYDRANT TABLE		
ITEM NO.	DESCRIPTION	PAY UNIT
663.1301	HYDRANT	EACH
LOCATION		663.1303
STATION	OFFSET	EA
W 12+76.6	25.5' RT.	1
FN 14+83.2	19.7' RT.	1
FN 16+17.7	18.5' RT.	1
TOTAL:		3

UPDATED WATER MAIN FITTING AND VALVE TABLE 3/28/24

AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 11, 2024

ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS					DRAWING NO. MST-4 SHEET NO. 15F1
MISCELLANEOUS TABLES WATERMAIN						JEFFERSON COUNTY HIGHWAY DEPARTMENT
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.						



TEST PIT EXCAVATION				
ITEM NO.	DESCRIPTION			PAY UNIT
205.05	TEST PIT EXCAVATION			EA
STATION	OFFSET	SIDE	UTILITY CROSSED	206.05
FN 11+54.2	42.4'	LT.	GAS	1
FN 12+03.6	14.3'	LT.	GAS	1
FN 14+08.4	75.3'	LT.	GAS	1
FN 14+72.4	47.4'	LT.	GAS	1
FN 14+72.5	153.4'	LT.	WATER	1
FN 14+96.6	39.9'	LT.	WATER	1
FN 15+02.5	31.4'	LT.	GAS	1
FN 15+04.1	11.0'	RT.	WATER	1
FN 15+24.6	30.2'	LT.	GAS	1
W 12+00.4	7.2'	LT.	WATER	1
W 12+00.4	3.7'	RT.	GAS	1
W 12+21.5	7.3'	LT.	WATER	1
W 12+21.5	2.7'	RT.	GAS	1
W 12+49.8	2.8'	RT.	GAS	1
W 12+52.4	5.8'	LT.	WATER	1
W 12+62.0	13.0'	LT.	GAS	1
W 12+73.1	13.2'	LT.	WATER	1
TOTAL:				17

DRIVEWAY LOCATIONS											
ITEM NO.	DESCRIPTION										PAY UNIT
304.12 608.020102	SUBBASE COURSE, TYPE 2 ASPHALT SIDEWALKS, DRIVEWAYS, BICYCLE PATHS & VEG. CONTROL STRIPS										CY TON
STATION	SIDE	COMM./RES.	EXIST. SURFACE	PROPOSED DEPTH ASPHALT / SUBBASE	CURB LENGTH (FT.) HEADER TRANS.	DRIVEWAY (FT.) WIDTH LENGTH	APRON (FT.) LENGTH	304.12		608.020102	
FN 11+34	RT.	MAJ. COMMERCIAL	ASPHALT	8" ASPHALT / 12" SUBBASE	86.0 3.0	86.0 4.0	4.0 TO 6.0	30.8	40.2		
FN 14+74	LT.	MIN. COMMERCIAL	ASPHALT	4" ASPHALT / 8" SUBBASE	16.0 3.0	14.0 100.0	5.0	39.2	26.8		
FN 15+25	RT.	MIN. COMMERCIAL	GRAVEL	4" ASPHALT / 8" SUBBASE	26.0 3.0	26.0 7.0	11.0	11.0	8.4		
FN 15+56	LT.	MAJ. COMMERCIAL	ASPHALT	8" ASPHALT / 12" SUBBASE	N/A	28.0 11.0	N/A	12.8	16.6		
FN 15+89	RT.	MIN. COMMERCIAL	GRAVEL	4" ASPHALT / 8" SUBBASE	26.0 3.0	26.0 7.5	11.0	11.2	8.6		
FN 16+63	LT.	MAJ. COMMERCIAL	ASPHALT	8" ASPHALT / 12" SUBBASE	N/A	2.0 10.0	N/A	1.5	1.8		
FN 16+65	RT.	MIN. COMMERCIAL	GRAVEL	4" ASPHALT / 8" SUBBASE	26.0 3.0	26.0 7.5	10.0	10.0	7.7		
W 12+03	LT.	RESIDENTIAL	ASPHALT	3" ASPHALT / 6" SUBBASE	19.0 3.0	19.0 14.0	N/A	5.0	4.9		
W 12+04	RT.	MIN. COMMERCIAL	GRAVEL	4" ASPHALT / 8" SUBBASE	30.0 3.0	30.0 6.0	4.0	6.7	6.9		
TOTAL:									128.2	121.9	

PAVEMENT KEY TABLE			
ITEM NO.	DESCRIPTION	PAY UNIT	
207.24 490.30 520.09000010	GEOTEXTILE STABILIZATION MISCELLANEOUS COLD MILLING OF BITUMINOUS SAW CUTTING ASPHALT CONCRETE	SY SY LF	
STATION - STATION	207.24	490.30	520.09000010
FN 10+95 FN 10+66 TO FN 10+95 FN 10+82 TO FN 11+27	129.3	29.0	26.0
FN 16+05 TO FN 16+50 FN 16+50 TO FN 16+98 FN 16+50	148.1	174.0	87.0
W 11+66 W 11+50 TO W 11+66 W 11+66 TO W 12+11	128.6	28.0	25.0
TOTALS:	406.0	231.0	138.0

ROLLED EROSION CONTROL MATERIAL TABLE		
ITEM NO.	DESCRIPTION	PAY UNIT
209.190301	ROLLED EROSION CONTROL PRODUCT, CLASS II TYPE C, INTERMEDIATE	SY
STATION - STATION	SIDE	209.190301
FN 11+28 TO FN 13+58 FN 14+11 TO FN 14+64	LT. LT.	765 215
W 12+71 TO FN 14+44 FN 14+55 TO FN 15+14	RT. RT.	125 115
TOTAL:		1,220

SILT FENCE TABLE		
ITEM NO.	DESCRIPTION	PAY UNIT
209.13	SILT FENCE - TEMPORARY	LF
STATION - STATION	SIDE	209.13
FN 10+84 TO FN 13+65 FN 13+84 TO FN 14+57 FN 14+35 TO FN 14+65 FN 14+80 TO FN 15+44 FN 15+70 TO FN 16+47	LT. LT. LT. LT. LT.	265 85 130 300 85
FN 10+76 TO FN 10+91 FN 11+99 TO FN 12+77 FN 12+82 TO FN 13+37 W 12+10 TO FN 14+35 FN 14+61 TO FN 15+14 FN 15+38 TO FN 15+76 FN 16+02 TO FN 16+53 FN 16+81 TO FN 16+92	RT. RT. RT. RT. RT. RT. RT. RT.	15 90 70 135 85 40 50 15
W 11+62 TO W 11+91	LT.	35
W 11+66 TO W 11+80	RT.	15
TOTAL:		1,415

STUMP REMOVAL TABLE				
ITEM NO.	DESCRIPTION			PAY UNIT
614.0701	PRE-EXISTING STUMP REMOVAL UP TO 24 INCH DIAMETER AT 6 INCHES ABOVE GRADE			EA
STATION	OFFSET	SIDE	DESCRIPTION	614.0701
FN 12+33 FN 13+30 FN 13+72 FN 14+10 FN 14+22 FN 14+43 FN 14+46 FN 14+49 FN 14+57	25' 5' 4' 47' 68' 59' 73' 78' 23'	LT. LT. LT. RT. RT. RT. RT. RT. LT.	8" MAPLE 8" MAPLE 8" OAK 8" TREE 4" MAPLE 6" MAPLE 6" MAPLE 6" MAPLE 12' OAK	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
TOTAL:				9.0

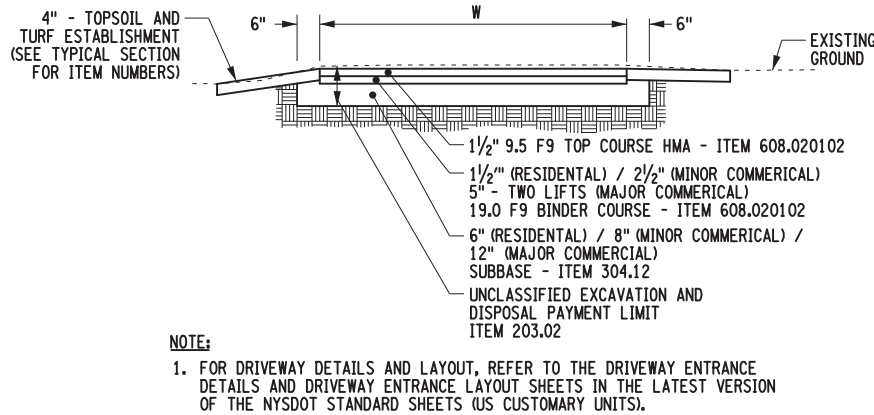
UTILITY CONFLICT TABLE			
LOCATION	TYPE	OWNER	CONFLICT / CONDITION
FN 11+52, 41' LT. FN 14+05, 61' LT. FN 14+43, 33' RT. FN 14+45, 74' LT. FN 14+70, 27' RT. FN 14+72, 47' LT. FN 14+99, 21' RT. FN 15+03, 31' RT. FN 16+32, 21' RT. W 12+52, 18' RT.	UG GAS UTILITY POLE UTILITY POLE UTILITY POLE UTILITY POLE UG GAS UTILITY POLE UG GAS UTILITY POLE UTILITY POLE	NATIONAL GRID NATIONAL GRID NATIONAL GRID NATIONAL GRID NATIONAL GRID NATIONAL GRID NATIONAL GRID NATIONAL GRID NATIONAL GRID NATIONAL GRID	POSSIELE - PROPOSED STORM SEWER AND SWALE AT GAS LINE PROBABLE - UTILITY POLE IN CHANNEL / STONE BACKFILL AREA PROBABLE - UTILITY POLE IN CHANNEL / STONE BACKFILL AREA PROBABLE - UTILITY POLE LOCATED AT PROPOSED MANHOLE LOCATION PROBABLE - UTILITY POLE LOCATED AT PROPOSED SIDEWALK LOCATION POSSIELE - PROPOSED STORM SEWER CROSSING PROBABLE - UTILITY POLE LOCATED AT PROPOSED SIDEWALK LOCATION POSSIELE - PROPOSED SANITARY SEWER CROSSING POSSIELE - UTILITY POLE LOCATED AT SIDEWALK GRADING PROBABLE - UTILITY POLE LOCATED AT PROPOSED MANHOLE LOCATION

AFFIX SEAL: SEAN W. MILLER
ON: MARCH 5, 2024

ALTERED BY:
ON:

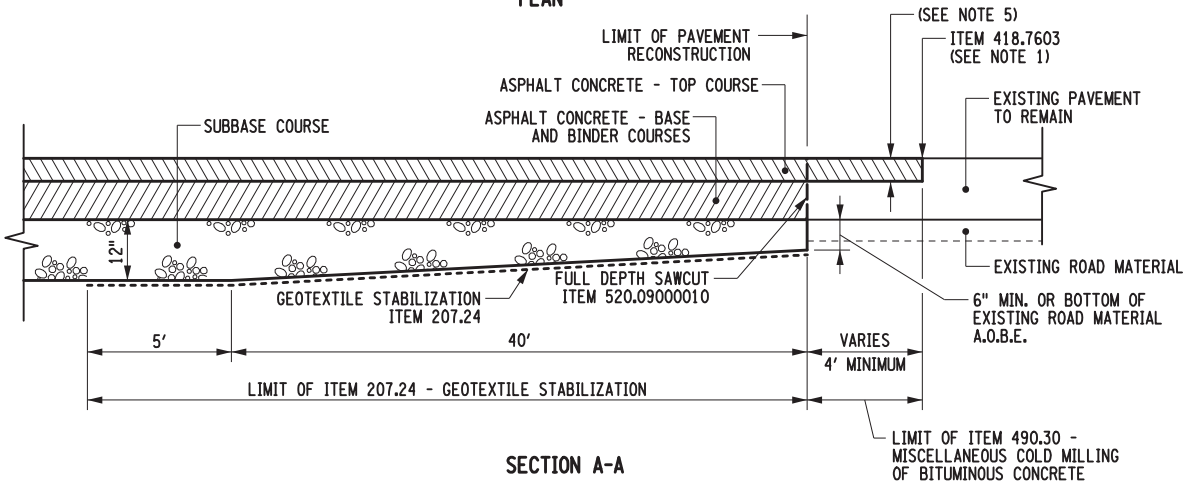
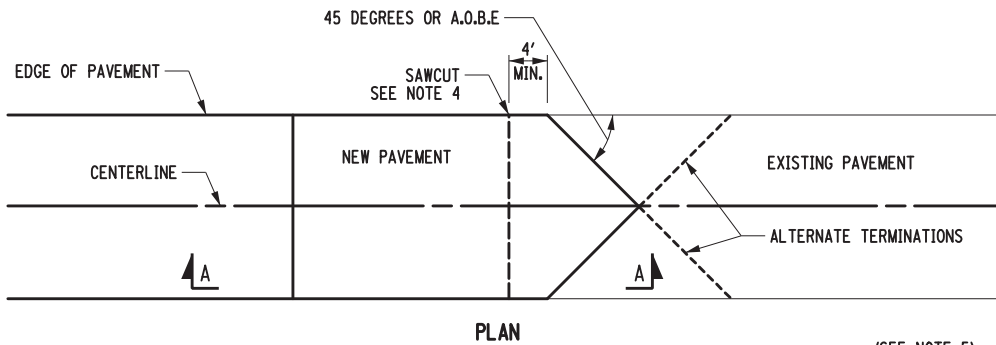
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
					MISCELLANEOUS TABLES	DRAWING NO. MST-5 SHEET NO. 16
					JEFFERSON COUNTY HIGHWAY DEPARTMENT	

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.



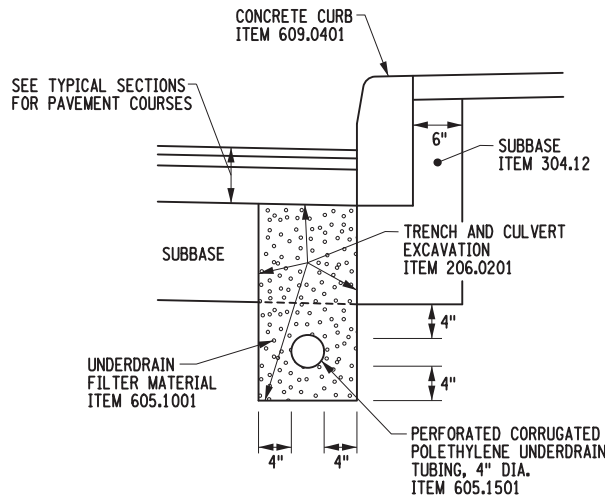
NOTE:
 1. FOR DRIVEWAY DETAILS AND LAYOUT, REFER TO THE DRIVEWAY ENTRANCE DETAILS AND DRIVEWAY ENTRANCE LAYOUT SHEETS IN THE LATEST VERSION OF THE NYSOT STANDARD SHEETS (US CUSTOMARY UNITS).

ASPHALT DRIVEWAY
N.T.S.

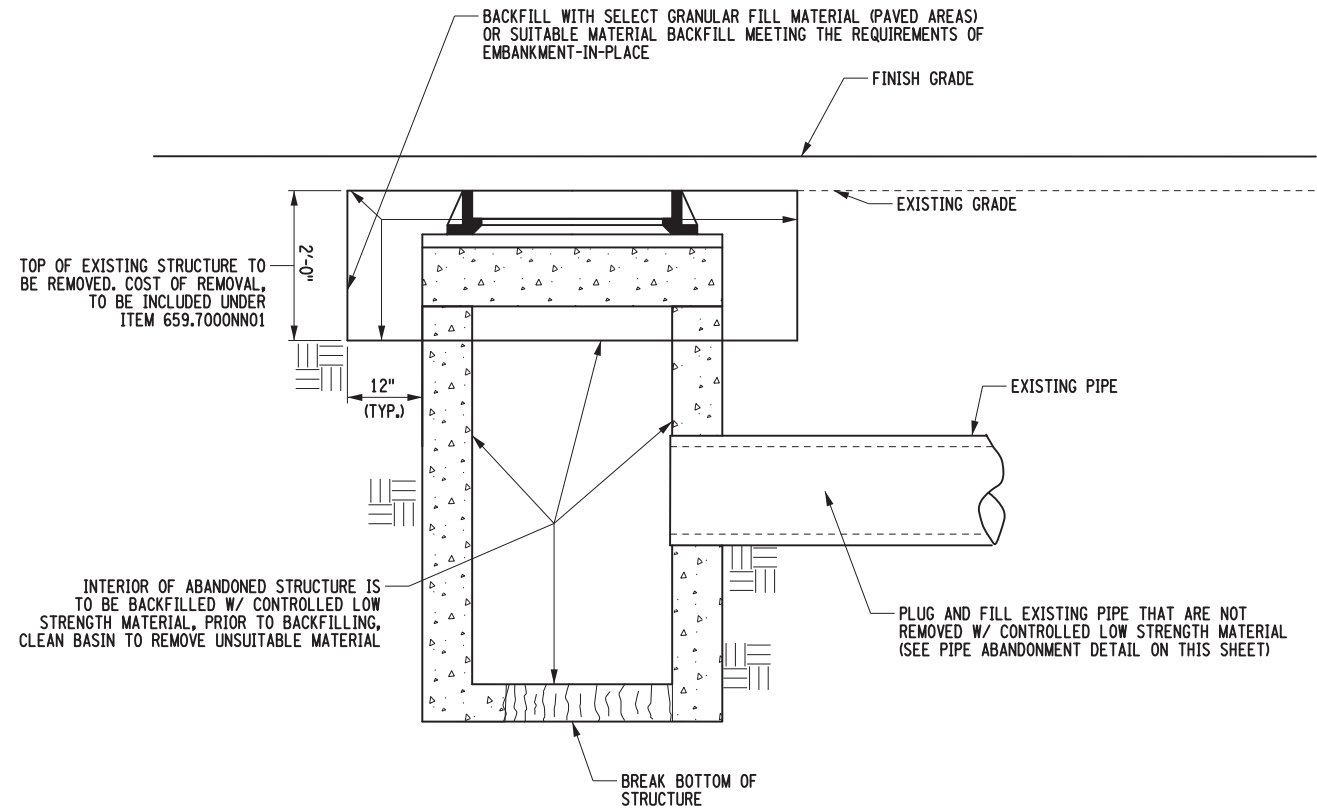


NOTES:
 1. ASPHALT PAVEMENT JOINT ADHESIVE SHALL BE PLACED ON ALL TOP COURSE PAVEMENT JOINTS OR A.O.B.E..
 2. KEYS ARE TO BE CONSTRUCTED SAME DAY AS NEW ASPHALT TOP IS PLACED AND ARE NOT TO BE LEFT OPEN OVERNIGHT.
 3. TACK COAT SHALL BE APPLIED TO ALL PAVEMENT SURFACES.
 4. SAWCUTS SHALL BE MADE SO THAT SURFACE RUNOFF IS DIRECTED TO THE EDGE OF PAVEMENT.
 5. SAME THICKNESS AS TOP COURSE.

PAVEMENT KEY DETAIL
N.T.S.

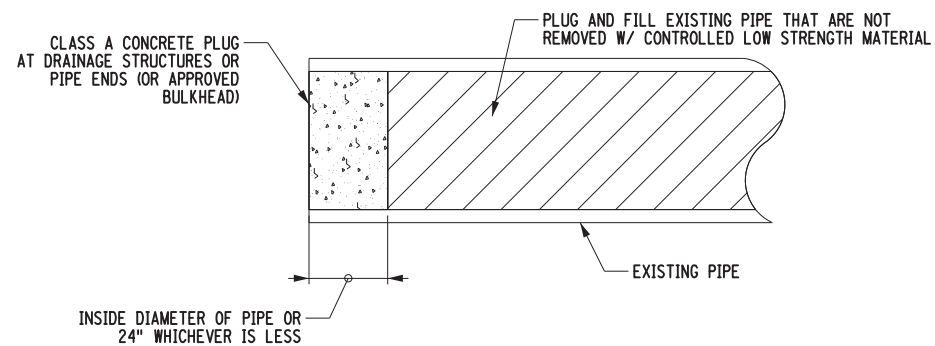


CURBED ROADWAY UNDERDRAIN DETAIL
N.T.S.



NOTES:
 1. THE UNIT PRICE BID FOR ITEM 659.7000N01 SHALL INCLUDE THE COST OF FURNISHING ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK. NO SEPARATE PAYMENTS WILL BE MADE FOR EXCAVATION AND BACKFILL MATERIALS AND TRENCH PROTECTION MATERIALS.
 2. FILL THE REMAINING VOLUME OF PIPE WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM).
 3. ANY EXISTING PIPES AND STRUCTURES WITHIN THE LIMITS OF NEW INSTALLATIONS SHALL BE REMOVED AS PART OF THE EXCAVATION FOR THE NEW PIPE OR STRUCTURE. ANY PIPE OR STRUCTURES REMAINING OUTSIDE THESE EXCAVATION LIMITS SHALL BE FILLED WITH CLSM AS SHOWN IN THE EXISTING STRUCTURE REMOVAL DETAIL.

ABANDON MANHOLES - ITEM 659.7000N01
NOT TO SCALE



NOTES:
 1. THE UNIT PRICE BID FOR ITEM 659.7000N01 SHALL INCLUDE THE COST OF FURNISHING ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK. NO SEPARATE PAYMENTS WILL BE MADE FOR EXCAVATION AND BACKFILL MATERIALS AND TRENCH PROTECTION MATERIALS.

ABANDONING PIPES
N.T.S.

AFFIX SEAL: SEAN W. MILLER
ON: MARCH 5, 2024

ALTERED BY:
ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	COUNTY: JEFFERSON	REGION: 7			MISCELLANEOUS DETAILS	DRAWING NO. MSD-1 SHEET NO. 18

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

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 USER = kalberts

DESIGN SUPERVISOR J. HOFMANN

JOB MANAGER S. MILLER

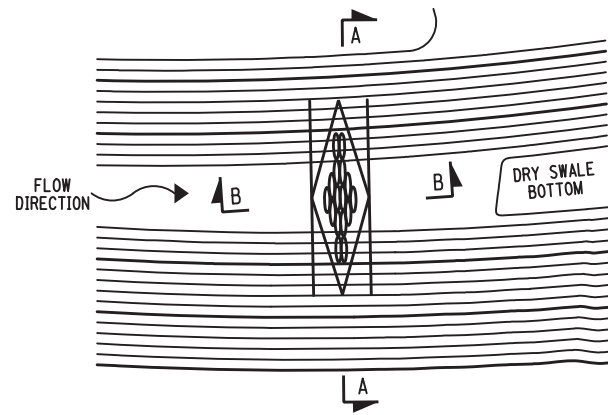
S. MILLER

CHECK B. WALKER

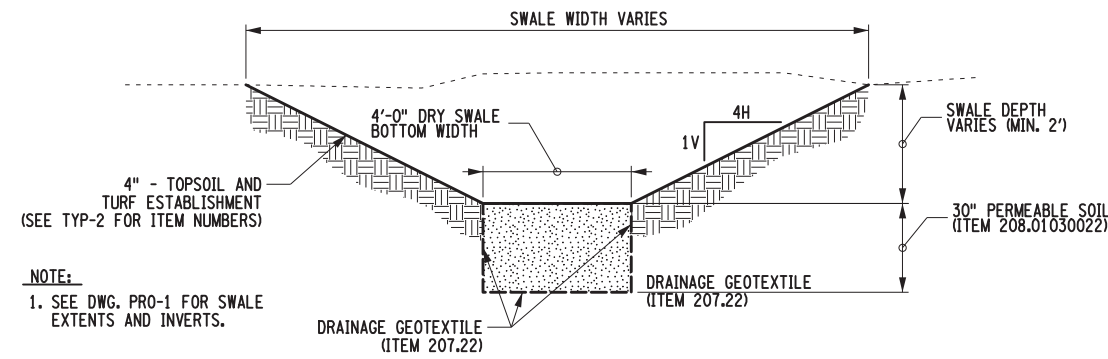
DRAFTING S. ROMEISER

CHECK B. WALKER

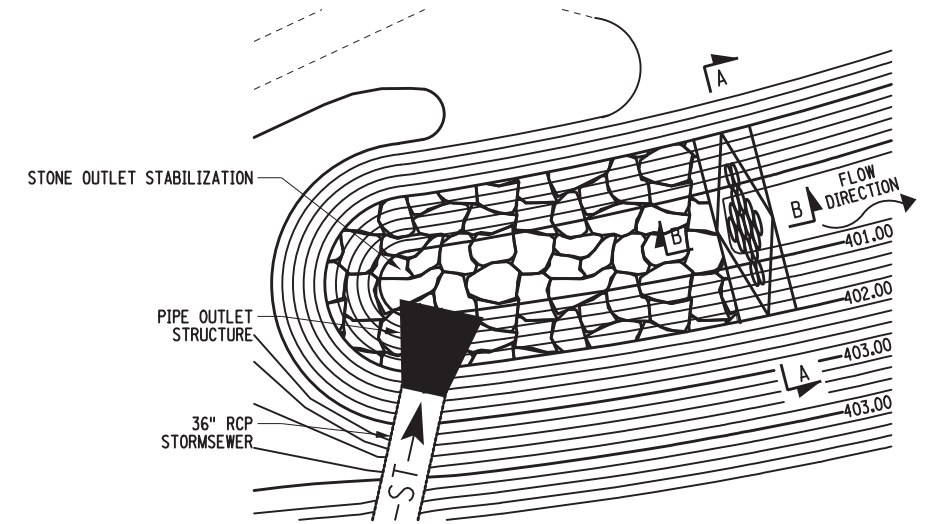
PROJECT MANAGER T. BUTLER



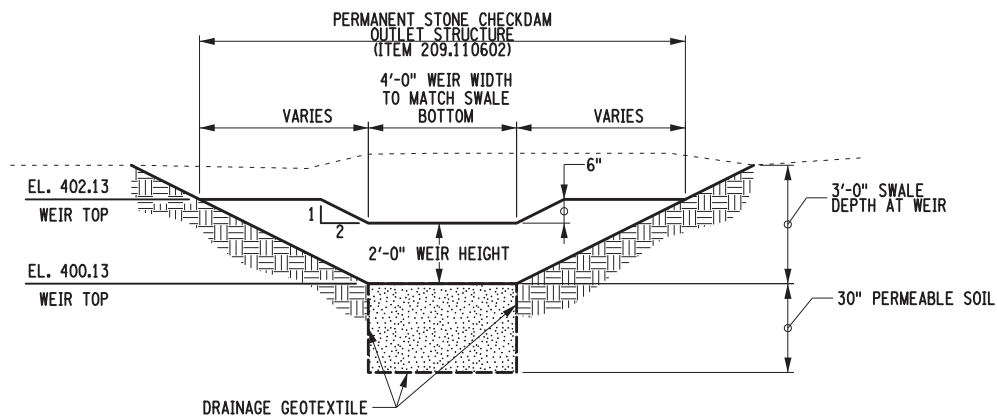
DRY SWALE OVERFLOW SPILLWAY PLAN
N.T.S.



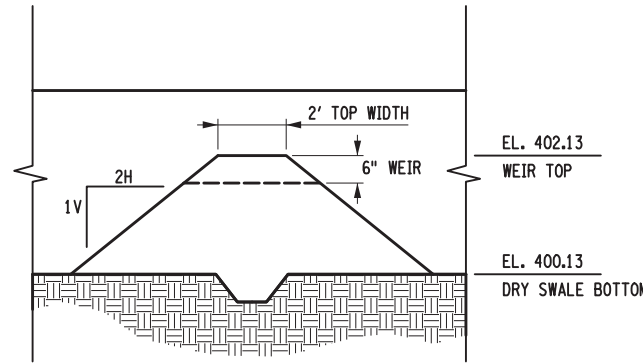
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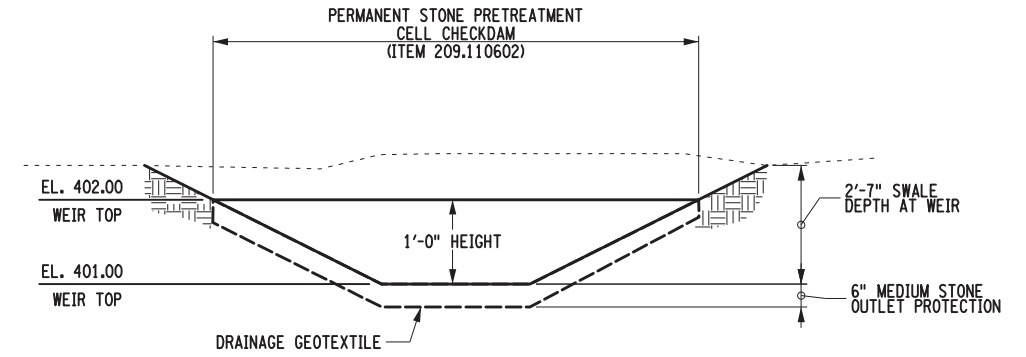
DRY SWALE PRETREATMENT FOREBAY DETAIL
N.T.S.



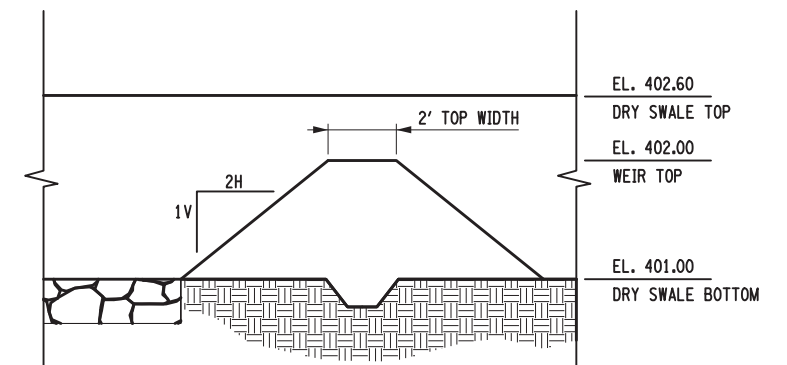
DRY SWALE OUTLET CONTROL WEIR SECTION A-A
N.T.S.



DRY SWALE OUTLET CONTROL WEIR SECTION B-B
N.T.S.



DRY SWALE PRETREATMENT FOREBAY SECTION A-A
N.T.S.



DRY SWALE PRETREATMENT FOREBAY SECTION B-B
N.T.S.

AFFIX SEAL: SEAN W. MILLER
ON: MARCH 5, 2024

ALTERED BY:
ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS				MISCELLANEOUS DETAILS DRY SWALE	DRAWING NO. MSD-2
	COUNTY: JEFFERSON	REGION: 7				SHEET NO. 19

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.

JEFFERSON COUNTY
HIGHWAY DEPARTMENT



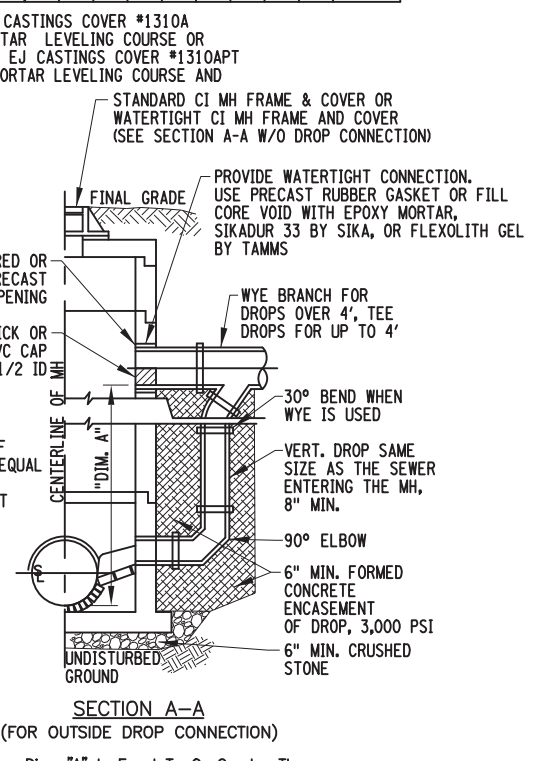
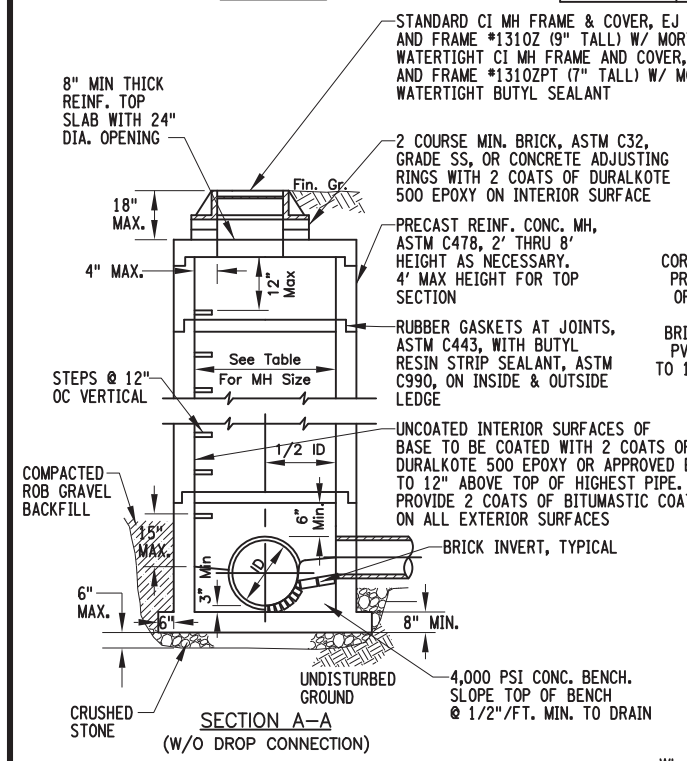
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 DATE/TIME = 3/5/2024 3:19:33 PM
 USER = kalberts

PROJECT MANAGER T. BUTLER
 CHECK B. WALKER
 DRAFTING S. ROMEISER
 CHECK B. WALKER
 DESIGN B. OLSEN
 JOB MANAGER S. MILLER
 DESIGN SUPERVISOR J. HOFMANN

THE WORD "SANITARY" AND THE LETTERS "SEWER" IN LETTERS NOT LESS THAN 2-INCHES HIGH SHALL BE CAST INTO MANHOLE COVERS. EJ CASTINGS #1310a CI COVER OR APPROVED EQUAL

LETTERING ON COVER

# Of Connections	MINIMUM MANHOLE DIAMETERS										
	8"	10"	12"	15"	16"	18"	21"	24"	30"	36"	42" & Up
One	4'	4'	4'	4'	4'	4'	4'	4'	5'	5'	Requires Special Manhole
Two	4'	4'	4'	4'	4'	4'	4'	4'	5'	5'	
Three	4'	4'	4'	4'	4'	4'	4'	5'	5'	5'	
Four	4'	4'	4'	5'	5'	5'	5'	5'	5'	5'	

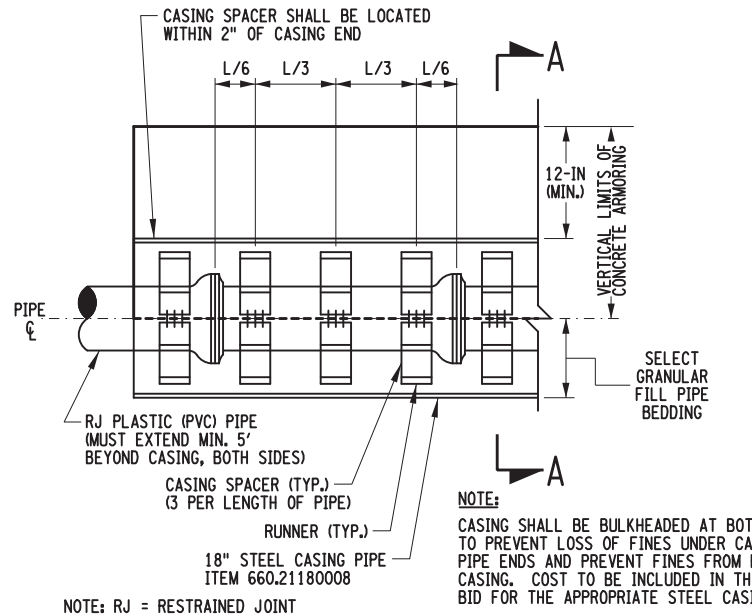
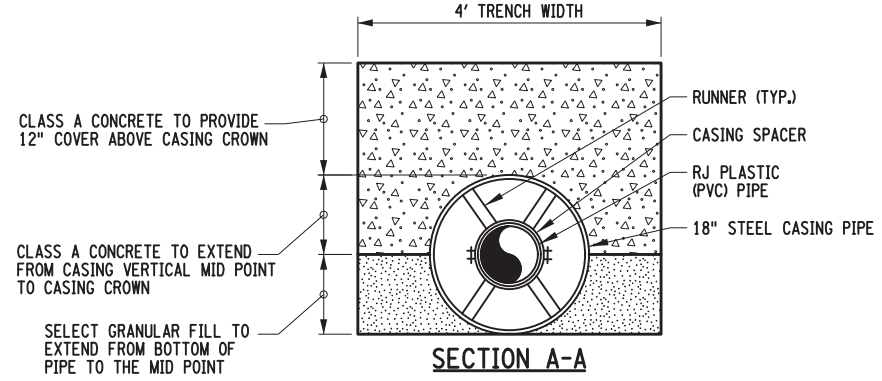


Where Dim. "A" Is Equal To Or Greater Than 2' For Sanitary Sewers, Or Equal To Or Greater Than 5' For Storm Sewers

- NOTES:
1. THE CROWN OF THE INFLUENT SEWER(S) SHOULD BE AT THE SAME LEVEL OR ABOVE THE CROWN OF THE OUTLET SEWER.
 2. CONCRETE FOR STRUCTURE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
 3. PIPE CONNECTION TO MANHOLE SHALL BE PRECAST OPENING WITH FLEXIBLE BOOT CONNECTOR, PSX BY PRESS-SEAL GASKET CORP. OR APPROVED EQUAL, OR FIELD CORED OPENING. CORED OPENINGS IN MANHOLE RISER SECTIONS SHALL BE NOT LESS THAN 6-INCHES FROM A RISER JOINT.
 4. ALL RISER JOINTS SHALL BE RUBBER RING GASKETS CONFORMING TO ASTM C443, WITH BUTYL RESIN STRIP SEALANT ON THE INSIDE AND OUTSIDE LEDGE OF JOINTS.
 5. RISER SECTIONS & TOP SLABS SHALL CONFORM WITH ASTM C478, WITH HS-20 LOADING DESIGN.
 6. INVERTS SHALL BE CONSTRUCTED WITH BRICK, ASTM C32, GRADE SS, SOLDIER COURSE LAID IN THE DIRECTION OF FLOW.

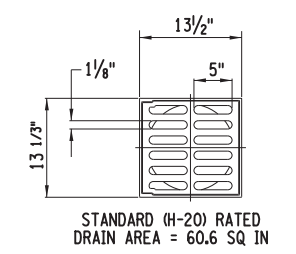
PRECAST SANITARY MANHOLE DETAIL

NTS

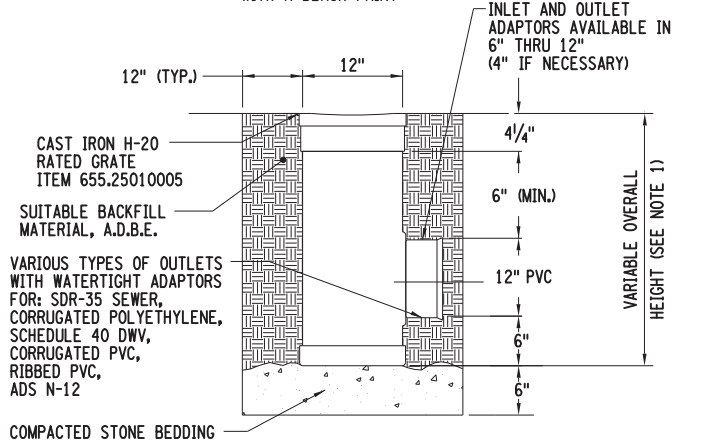


WATER MAIN/SANITARY SEWER CASING PIPE - 18"

N.T.S.

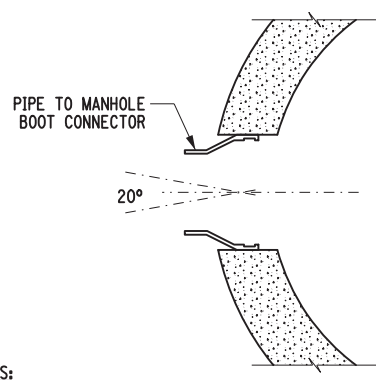


MATERIAL: CAST IRON
 QUALITY: MATERIAL SHALL CONFORM TO ASTM A48 - CLASS 30B
 PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT



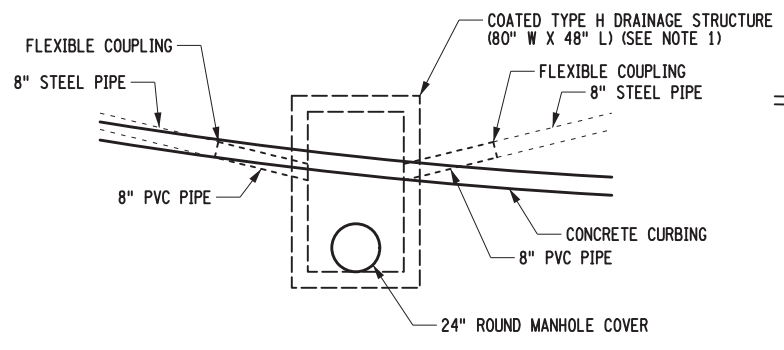
FIELD INLET - STAND PIPE 12"

N.T.S.



WATERTIGHT PIPE TO MANHOLE BOOT CONNECTION

NTS



REPLACEMENT SANITARY MANHOLE (SS-8)

ITEM 604.500702

N.T.S.

- NOTE:
1. NOTES FROM PRECAST SANITARY MANHOLE DETAIL SHALL APPLY TO THIS DETAIL.

AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	COUNTY: JEFFERSON	REGION: 7			MISCELLANEOUS DETAILS SANITARY SEWER	DRAWING NO. MSD-3 SHEET NO. 20

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.

JEFFERSON COUNTY
HIGHWAY DEPARTMENT

GENERAL WATER MAIN NOTES:

1. THE COST OF PROVIDING ANY AND ALL ADDITIONAL TEMPORARY PIPES, VALVES, PLUGS, TAPS, CORPORATION STOPS, CURB STOPS AND BOXES, BLOW-OFF PIPES AND OTHER FITTINGS NECESSARY (UNLESS OTHERWISE NOTED) FOR THE CONSTRUCTION OF THE NEW WATER MAIN OR FOR PROVIDING CONTINUOUS DOMESTIC AND FIRE SERVICE SHALL BE INCLUDED IN THE PRICE BID FOR WATER MAIN ITEMS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING ALL EXTRANEOUS MATERIALS, TOOLS AND EQUIPMENT, INCLUDING SPECIAL CUTTING DEVICES NECESSARY TO DO WATER WORK CONTAINED IN THIS CONTRACT.
3. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING NEAR EXISTING WATER MAINS WHICH ARE TO BE RETAINED IN SERVICE. NO VIBRATORY EQUIPMENT IS TO BE USED OVER OR ADJACENT (WITHIN A 5 FOOT HORIZONTAL DISTANCE) OF EXISTING WATER MAINS.
4. THE LOCATIONS, SIZES AND ELEVATIONS OF EXISTING UTILITIES ARE BASED ON INFORMATION COMPILED BY THE VARIOUS UTILITIES, WITH FIELD CHECKING WHERE NECESSARY AND POSSIBLE. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS APPROXIMATE. BEFORE BEGINNING ANY EXCAVATION OR BLASTING, CALL DIG SAFE NY 811 U.F.P.O. AT 1-800-962-7962.
5. THE APPROXIMATE LOCATION OF THE PROPOSED WATER MAIN IS INDICATED ON THE PLANS, BUT THE ACTUAL LOCATION WILL BE GOVERNED BY THE ACTUAL LOCATION OF THE UNDERGROUND UTILITIES OR OTHER CONTROLLING FACTORS AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION.
6. ALL BENDS, TEES, REDUCERS, CAPS AND PLUGS MUST HAVE THRUST BLOCKS. CONCRETE STRENGTH FOR THRUST BLOCKS SHALL BE AS REQUIRED BY SYSTEM OPERATOR.
7. APPROVED PLANS OF PROPOSED FACILITIES WITHIN OR ADJACENT TO THE ROW SHALL NOT BE CHANGED WITHOUT THE PRIOR APPROVAL BY THE PROJECT MANAGER.
8. MAINTAIN DRAINAGE THROUGHOUT THE PERIOD OF CONSTRUCTION.
9. MAINTAIN SAFE AND CONTINUOUS THROUGH TRAFFIC, INGRESS AND EGRESS FOR ADJACENT OWNER DRIVEWAYS, SERVICE ROADS AND PUBLIC STREETS THROUGHOUT THE PERIOD OF CONSTRUCTION.
10. LOCATE, FLAG AND PRESERVE SURVEY MONUMENTS. SEE LOCATION AS SHOWN ON PLANS, OR INQUIRE AT THE OFFICE OF GEODETIC SURVEYS- COUNTY DEPARTMENT OF ENGINEERING.
11. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SOLIDLY BRACE THE EXISTING WATER MAIN TO INSURE NO HORIZONTAL OR VERTICAL MOVEMENT OF THE EXISTING WATER MAIN WHILE THE ADJACENT NEW WATER MAIN IS BEING INSTALLED (THE COST OF ADEQUATELY BRACING THE EXISTING WATER MAIN SHALL BE INCLUDED IN THE PRICE BID FOR EXCAVATION).
12. APPROPRIATE MEASURES SHALL BE TAKEN TO PREVENT DIRT, DEBRIS AND GROUND WATER FROM CONTAMINATING THE WATER MAIN. THE GROUND WATER LEVEL SHALL NEVER BE LESS THAN 1 FT BELOW THE PIPE INVERT. WHENEVER AN OPEN PIPE END IS UNATTENDED IT SHALL BE COVERED IN A WATER TIGHT MANNER.
13. THE MAXIMUM DISTANCE BETWEEN DISINFECTION/SAMPLING TAPS ON NEW WATER MAIN PIPE IS 1000 FEET.
14. THE CONTRACTOR SHALL REMOVE WATER MAINS, SERVICES AND APPURTENANCES TO BE ABANDONED WHEN THEY ARE WITHIN THE LIMITS OF PAVEMENT RECONSTRUCTION EXCAVATIONS OR WITHIN TRENCH EXCAVATION LIMITS FOR NEW WATER MAIN OR SEWER CONSTRUCTION. THE COST TO REMOVE PORTIONS OF WATER MAINS AND PLUG ENDS AND TO REMOVE SERVICES AND APPURTENANCES SHALL BE INCLUDED IN THE PRICE BID FOR EXCAVATION.
15. DISINFECTION / SAMPLING POINT LOCATIONS DEPICTED ON THE PLANS REPRESENT AN APPROXIMATE LOCATION. DURING CONSTRUCTION DISINFECTION / SAMPLING POINT LOCATIONS SHALL BE AS CLOSE TO THE FINAL CONNECTION POINT AS POSSIBLE TO MINIMIZE THE AMOUNT OF PIPE AND FITTINGS REQUIRING SWAB DISINFECTION.
16. SEE THE SPECIAL NOTES IN CONTRACT PROPOSAL BOOK ENTITLED "OWNER REQUIREMENTS FOR WATER MAINS AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL REQUIREMENTS.
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ELEVATIONS OF EXISTING UTILITIES TO ENSURE ADEQUATE CLEARANCE FOR THE WATER LINE EXISTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER (IN WRITING) OF CONFLICTING ELEVATIONS, ALLOWING THE ENGINEER ADEQUATE TIME TO REVISE GRADES WITHOUT NECESSITATING REMOVAL AND RECONSTRUCTION OF WORK ALREADY COMPLETED BY THE CONTRACTOR.
18. DETAILS SHOWN ON THIS SHEET ARE BASED UPON TYPE 4 LAYING CONDITION DESCRIBED IN AWWA STANDARD C600. SELECT GRANULAR FILL AND SAND BACKFILL ARE ASSUMED TO HAVE A FRICTION ANGLE OF 30° AND A UNIT WEIGHT OF 90 LBS./CUBIC FEET.
19. THE TOP PAYMENT LINE FOR TRENCH EXCAVATION SHALL BE PER SECTION 206 OF THE NYS DOT STANDARD SPECIFICATIONS.
20. BEDDING BELOW THE PIPE INVERT SHALL BE REQUIRED ONLY WHEN NOTED IN THE OWNER REQUIREMENTS OR WHEN ROCK OR UNSTABLE OR UNSUITABLE CONDITIONS ARE ENCOUNTERED.
21. IF UNSTABLE OR UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED NEAR THE INVERT ELEVATION, A MINIMUM OF 1' AND A MAXIMUM OF 2' OF MATERIAL SHALL BE EXCAVATED A.D.B.E. AND REPLACED WITH SELECT GRANULAR FILL. ADDITIONAL PAYMENT WILL BE MADE FOR MATERIAL PLACED TO TREAT UNSTABLE OR UNSUITABLE CONDITIONS.

GENERAL WATER MAIN NOTES (CONTINUED):

22. NEW WATER MAINS INSTALLED PARALLEL TO STORM AND/OR SANITARY SEWER CONDUITS SHALL HAVE A MINIMUM OF 10' HORIZONTAL SEPARATION (MEASURED EDGE OF PIPE TO EDGE OF PIPE) WHENEVER POSSIBLE. WHEN 10' HORIZONTAL SEPARATION CANNOT BE MAINTAINED A VERTICAL SEPARATION OF AT LEAST 1'-6" BETWEEN BOTTOM OF WATER MAIN AND TOP OF SEWER PIPE SHALL BE MAINTAINED. IF NEITHER SEPARATION CAN BE MAINTAINED, THE WATER AND SEWER SHALL BE CONSTRUCTED AS SHOWN ON THE CONTRACT PLANS AND APPROVED BY THE APPROPRIATE HEALTH AGENCY.
23. BACKFILL SHALL BE INSTALLED AND COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS OF §203-3.15.
24. UPON COMPLETION OF ALL WATER SUPPLY RELATED CONSTRUCTION, INCLUDING BACKFILL, HYDROSTATIC TESTING SHALL BE PERFORMED IN ACCORDANCE WITH AWWA STANDARD C600 WITH THE MAINS THOROUGHLY FLUSHED PRIOR TO TESTING. UNLESS OTHERWISE NOTED, THE SYSTEM SHALL BE SUBJECTED TO A PRESSURE/LEAKAGE TEST WITH WATER UNDER A MINIMUM HYDROSTATIC PRESSURE OF 150 PSI FOR A MINIMUM OF TWO (2) HOURS.
25. UPON COMPLETION OF ALL WATER SUPPLY RELATED CONSTRUCTION, ALL MAINS, VALVES, HYDRANTS, AND OTHER APPURTENANCES BUILT UNDER THIS CONTRACT SHALL BE DISINFECTED, FLUSHED, AND TESTED FOR BACTERIOLOGICAL QUALITY IN ACCORDANCE WITH AWWA STANDARD C651. THE TABLET METHOD SHALL NOT BE USED FOR CHLORINATION OF SOLVENT WELDED PLASTIC OR SCREWED-JOINT STEEL PIPE DUE TO THE DANGER OF FIRE OR EXPLOSION FROM THE REACTION OF JOINT COMPOUNDS WITH CALCIUM HYPOCHLORITE.
26. NYS DEPARTMENT OF HEALTH IN WATERTOWN, NEW YORK IS THE LOCAL AGENCY OVERSEEING THE TESTING AND DISINFECTION OF THE WATER MAIN FOR THIS PROJECT.
27. THE WATER MAIN WILL BE OWNED AND MAINTAINED BY THE VILLAGE OF EVANS MILL.

WATER MAIN EXTENSION NOTES:

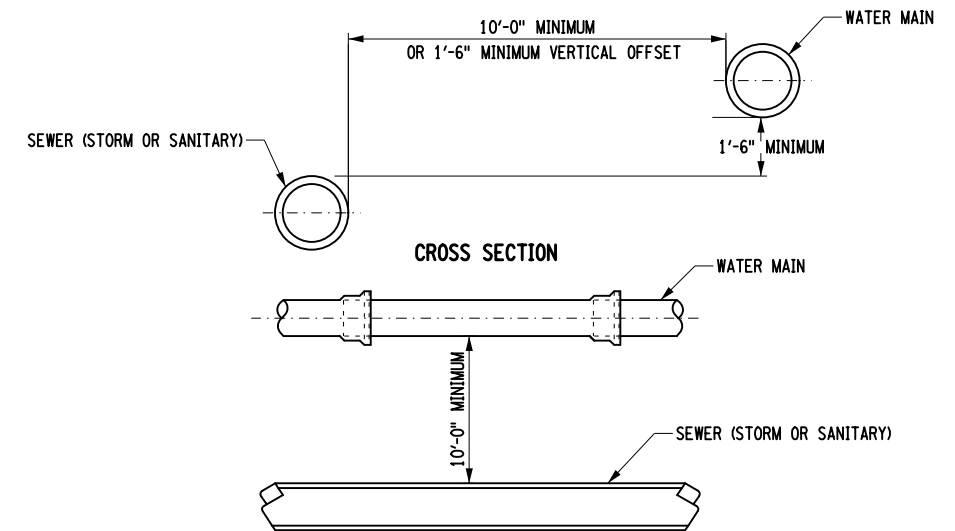
1. THE WATER MAIN PIPELINE SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION C651 (LATEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN PIPELINE SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM.

ALL WATER MAIN PIPE FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB-DISINFECTED 30 MINUTES PRIOR TO INSTALLATION.

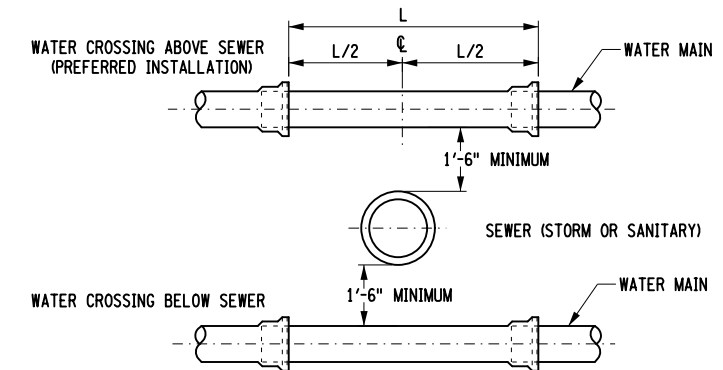
THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLAMING.

FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS.

⚠ THE CONTRACTOR SHALL COORDINATE SAMPLE COLLECTION WITH A NYS CERTIFIED LABORATORY OR WITH THE VILLAGE'S CERTIFIED OPERATOR. THE CONTRACTOR SHALL PROVIDE THE NYS CERTIFIED LABORATORY OR WITH THE VILLAGE'S CERTIFIED OPERATOR AT LEAST 48-HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL (ENGINEER, ARCHITECT OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7208(n) OF THE EDUCATION LAW) CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS AND ANY APPROVED AMENDMENTS. THE NYS CERTIFIED LABORATORY OR WITH THE VILLAGE'S CERTIFIED OPERATOR WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL COLIFORM, ESCHERICHIA COLI (E. COLI) AND TURBIDITY. THE TESTING RESULTS AND PROFESSIONAL CERTIFICATION TO NYSDOH IN WATERTOWN FOR REVIEW AND APPROVAL OF WATER MAIN IMPROVEMENTS. THE COST OF SAMPLING AND TESTING SHALL BE INCLUDED IN THE PRICE FOR WATER MAIN ITEMS.
2. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAIN PIPELINES AND SEWER PIPELINES SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN PIPE SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PIPELINE PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECTED FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER ON THE WATER MAIN. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAIN PIPES AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VAULTS.
3. WHEN INSTALLING FIRE HYDRANTS, SHOULD GROUND WATER BE ENCOUNTERED WITHIN SEVEN (7) FEET OF THE FINISHED GRADE, FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED.
4. THE WATER MAIN PIPELINE AND APPURTENANCES SHALL BE PRESSURE/LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600, C602, C604, OR C605 (MOST RECENT VERSION AS APPLICABLE) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER.



PLAN WATER MAIN/SEWER PARALLEL INSTALLATION

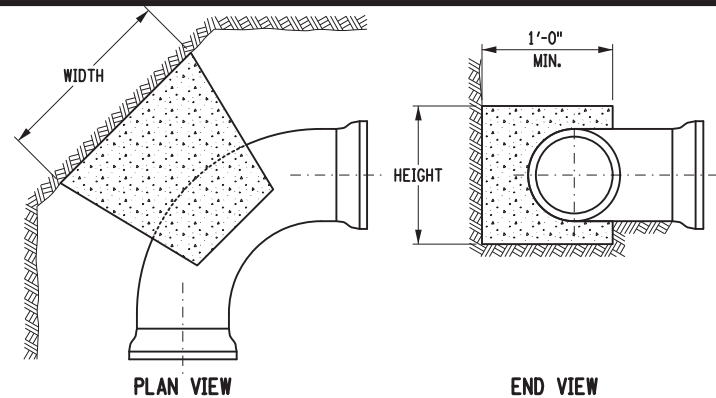


ELEVATION WATER MAIN/SEWER CROSSING

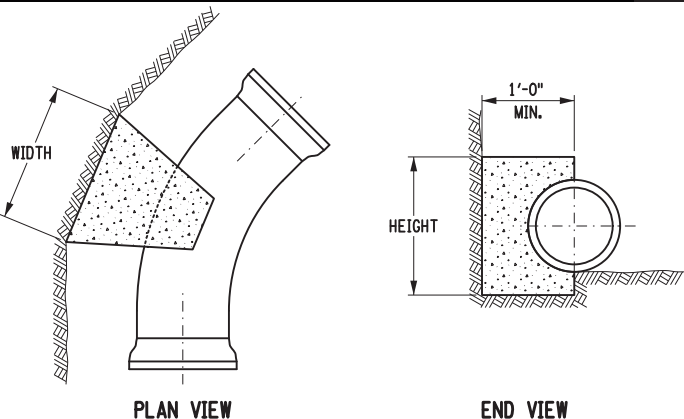
⚠ REVISED WATER MAIN EXTENSION NOTE #1. 3/28/24

AFFIX SEAL: SEAN W. MILLER ON: MARCH 11, 2024	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS				MISCELLANEOUS DETAILS WATERMAIN	DRAWING NO. MSD-4 SHEET NO. 21F1
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.		COUNTY: JEFFERSON	REGION: 7	JEFFERSON COUNTY HIGHWAY DEPARTMENT		



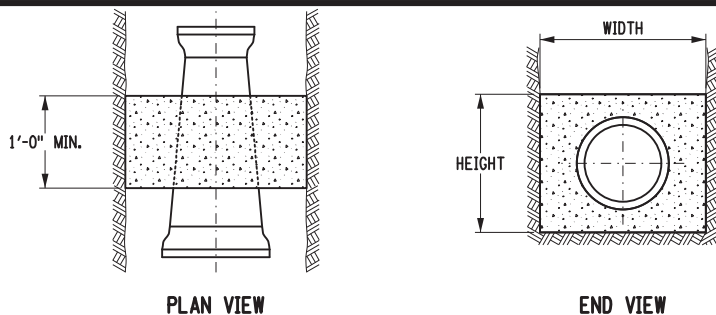
90° BEND THRUST BLOCK DIMENSIONING					
PIPE SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)	PIPE SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)
4 NPS	2'-3"	1'-3"	14 NPS	7'-3"	3'-6"
6 NPS	3'-3"	1'-9"	16 NPS	8'-3"	4'-0"
8 NPS	4'-3"	2'-3"	18 NPS	9'-3"	4'-6"
10 NPS	5'-3"	2'-6"	20 NPS	10'-6"	5'-0"
12 NPS	6'-0"	3'-3"	24 NPS	12'-6"	6'-0"



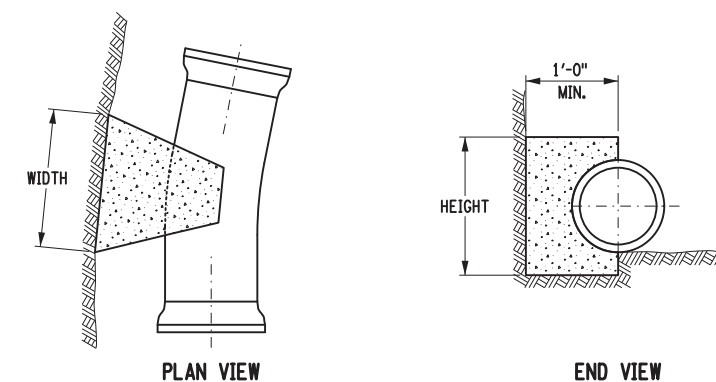
45° BEND THRUST BLOCK DIMENSIONING					
PIPE SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)	PIPE SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)
4 NPS	2'-0"	0'-9"	14 NPS	5'-3"	2'-6"
6 NPS	2'-6"	1'-3"	16 NPS	5'-6"	3'-3"
8 NPS	3'-3"	1'-9"	18 NPS	7'-3"	3'-3"
10 NPS	4'-0"	2'-0"	20 NPS	7'-3"	4'-0"
12 NPS	4'-6"	2'-3"	24 NPS	8'-9"	4'-6"

MINIMUM RESTRAINED LENGTH OF PIPE (FT-IN) L _R										
FITTING	4 NPS	6 NPS	8 NPS	10 NPS	12 NPS	14 NPS	16 NPS	18 NPS	20 NPS	24 NPS
11 1/4° BEND	1'-3"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-3"
22 1/2° BEND	1'-3"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-6"
45° BEND	3'-0"	4'-0"	5'-3"	6'-3"	7'-6"	8'-6"	9'-6"	10'-6"	11'-6"	13'-6"
90° BEND	7'-0"	9'-9"	12'-6"	15'-6"	18'-0"	20'-0"	23'-0"	25'-6"	28'-0"	32'-6"
DEAD END	8'-6"	12'-6"	16'-0"	19'-3"	23'-0"	26'-0"	29'-6"	33'-0"	36'-0"	42'-0"

NOTE: PVC PIPE WILL TYPICALLY HAVE SLIGHTLY GREATER RESTRAINED LENGTH
 NOTE: FOR POLYETHYLENE WRAPPED PIPE, MULTIPLY VALUES IN TABLE BY 1.45



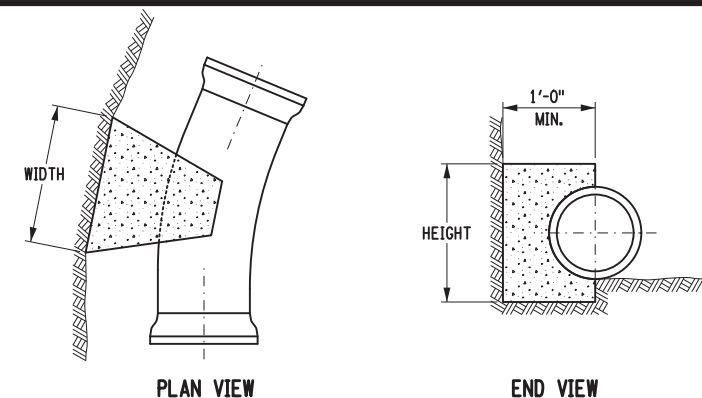
REDUCER THRUST BLOCK DIMENSIONING					
SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)	SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)
6x4 NPS	1'-6"	1'-6"	16x8 NPS	4'-6"	4'-6"
8x4 NPS	2'-3"	2'-3"	16x10 NPS	4'-0"	4'-0"
8x6 NPS	1'-9"	1'-9"	16x12 NPS	3'-6"	3'-6"
10x6 NPS	2'-6"	2'-6"	20x12 NPS	5'-0"	5'-0"
10x8 NPS	2'-0"	2'-0"	20x16 NPS	4'-0"	4'-0"
12x6 NPS	3'-3"	3'-3"	24x12 NPS	6'-6"	6'-6"
12x8 NPS	3'-0"	3'-0"	24x16 NPS	5'-9"	5'-9"
12x10 NPS	2'-3"	2'-3"	24x20 NPS	4'-6"	4'-6"



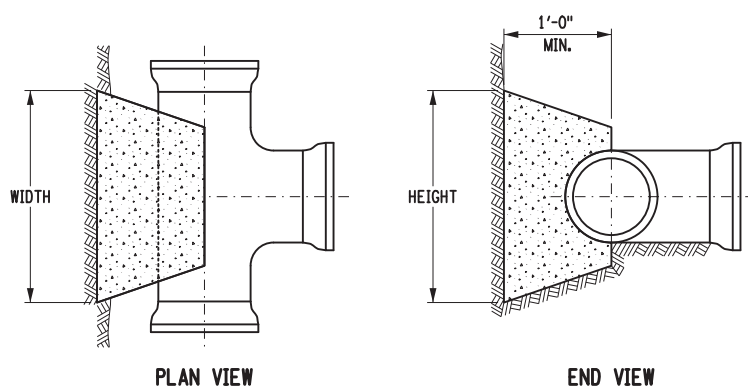
11 1/4° BEND THRUST BLOCK DIMENSIONING					
PIPE SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)	PIPE SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)
4 NPS	1'-0"	0'-6"	14 NPS	3'-0"	1'-3"
6 NPS	1'-3"	0'-9"	16 NPS	3'-3"	1'-9"
8 NPS	1'-9"	0'-9"	18 NPS	3'-6"	1'-9"
10 NPS	2'-0"	1'-0"	20 NPS	3'-6"	2'-0"
12 NPS	2'-3"	1'-3"	24 NPS	4'-6"	2'-3"

NOTES:

- SEE THE SPECIAL NOTES IN CONTRACT PROPOSAL BOOK ENTITLED "OWNER REQUIREMENTS FOR WATER MAINS AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL REQUIREMENTS.
- THRUST RESTRAINT USING THRUST BLOCKS OR RESTRAINED LENGTHS ARE SHOWN ON THESE SHEETS. THRUST BLOCKS, RESTRAINED JOINTS USING TIE RODS, OR RETAINER GLANDS ARE ALL ACCEPTABLE METHODS. HOWEVER, THE THRUST RESTRAINT METHOD SELECTED SHALL BE APPROVED BY THE SYSTEM OWNER.
- IF THE OWNER OF THE WATER SYSTEM REQUIRES A METHOD THAT RESTRAINS INDIVIDUAL JOINTS, EACH JOINT THAT FALLS WITHIN THE MINIMUM RESTRAINED LENGTH, MEASURED FROM THE CENTER OF THE FITTING, AS SHOWN ON THESE SHEETS SHALL BE RESTRAINED, AND SHALL WITHSTAND THE MAXIMUM PRESSURE APPLIED TO THE SYSTEM.
- CLASS A CONCRETE SHALL NOT BE PLACED UNDER WATER. THE CONTRACTOR SHALL DEWATER THE EXCAVATION OR PLACE TYPE G CONCRETE USING APPROPRIATE UNDERWATER PLACEMENT TECHNIQUES.
- CONCRETE FOR THRUST BLOCKS SHALL NOT BE ALLOWED TO COVER OR INTERFERE WITH JOINT OR RESTRAINT HARDWARE. PLASTIC SHEETING OR BUILDING FELT MAY BE PLACED OVER PIPE OR FITTINGS TO PREVENT CONCRETE FROM ADHERING TO SURFACES. CONCRETE FOR THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
- FOR BENDS, BEARING AREA SHALL BE PARALLEL TO THE EDGE OF THE FITTING AT THE FITTING MIDPOINT.
- FOR TEES, BEARING AREA SHALL BE PERPENDICULAR TO THE BRANCH (SINGLE LEG) AXIS.
- FOR REDUCERS, BEARING AREA SHALL BE PERPENDICULAR TO THE FITTING AXIS. THE MINIMUM THICKNESS ALONG THE FITTING AXIS SHALL BE 1'-0" OR THE LENGTH BETWEEN THE BELLS, WHICHEVER IS SMALLER.
- THRUST RESTRAINTS FOR SIZES OVER 24 NPS OR FOR FITTINGS NOT SHOWN ON THESE SHEETS WILL BE DESIGNED ON A CASE BY CASE BASIS, AND WILL BE SHOWN IN THE CONTRACT DOCUMENTS.
- THRUST BLOCK SIZES AND MINIMUM RESTRAINED LENGTHS SHOWN ON THESE SHEETS ARE BASED UPON THE FOLLOWING STANDARD CONDITIONS:
 1.5 - SAFETY FACTOR
 5'-0" - DEPTH OF COVER
 200 PSI - WATER SYSTEM TEST PRESSURE
 14 PSI - SOIL BEARING CAPACITY
 90 LB/CF - SOIL UNIT WEIGHT
- FOR INSTALLATIONS NOT MEETING THE CONDITIONS OF NOTE 10, THE CONTRACTOR SHALL SUBMIT CALCULATIONS TO THE ENGINEER FOR APPROVAL OF RESTRAINT LENGTH CHOSEN.
- TO DETERMINE REQUIRED SIZES FOR DIFFERENT CONDITIONS, MULTIPLY THE DIMENSION BY A FACTOR OF THE SPECIFIC VALUE DIVIDED BY THE STANDARD VALUE.
 EXAMPLE: FIND THRUST BLOCK DIMENSION FOR 12 NPS 45° BEND WITH 100 PSI TEST PRESSURE:
 FROM TABLE "45° BEND THRUST BLOCK DIMENSIONING", AREA REQUIRED AT 200 PSI IS 4'-6" X 2'-3" = 10.125 SF FOR 100 PSI, AREA = 10.125 X (100/200) = 5.06 SF USE WIDTH = 3'-6", HEIGHT = 1'-6" (AREA = 5.25 SF)



22 1/2° BEND THRUST BLOCK DIMENSIONING					
PIPE SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)	PIPE SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)
4 NPS	1'-3"	0'-9"	14 NPS	3'-6"	2'-0"
6 NPS	2'-0"	0'-9"	16 NPS	4'-6"	2'-3"
8 NPS	2'-3"	1'-3"	18 NPS	5'-0"	2'-6"
10 NPS	3'-0"	1'-3"	20 NPS	5'-0"	3'-0"
12 NPS	3'-3"	1'-9"	24 NPS	6'-3"	3'-3"



TEE/DEAD END THRUST BLOCK DIMENSIONING					
PIPE SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)	PIPE SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)
4 NPS	2'-0"	1'-0"	14 NPS	5'-6"	3'-3"
6 NPS	3'-0"	1'-3"	16 NPS	6'-6"	3'-6"
8 NPS	3'-3"	2'-0"	18 NPS	7'-6"	4'-0"
10 NPS	4'-3"	2'-3"	20 NPS	8'-6"	4'-3"
12 NPS	5'-3"	2'-6"	24 NPS	10'-3"	5'-3"

AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

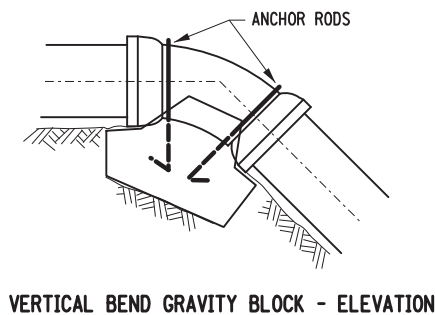
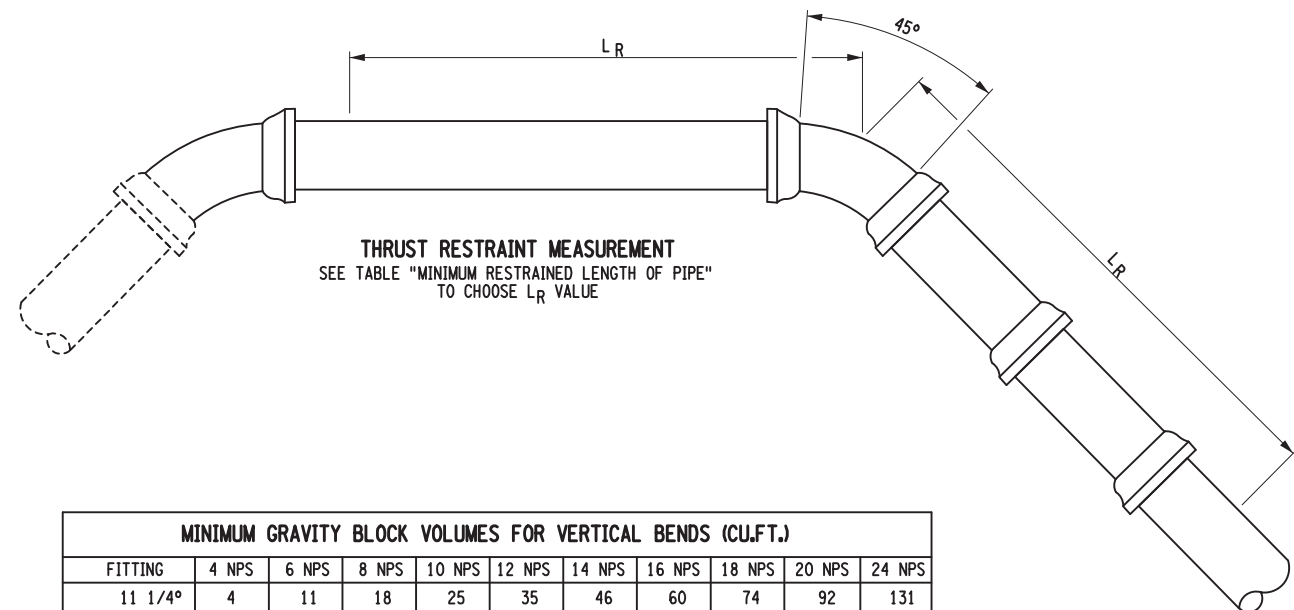
ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	COUNTY: JEFFERSON	REGION: 7			MISCELLANEOUS DETAILS WATERMAIN	DRAWING NO. MSD-5 SHEET NO. 22

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.

JEFFERSON COUNTY
HIGHWAY DEPARTMENT





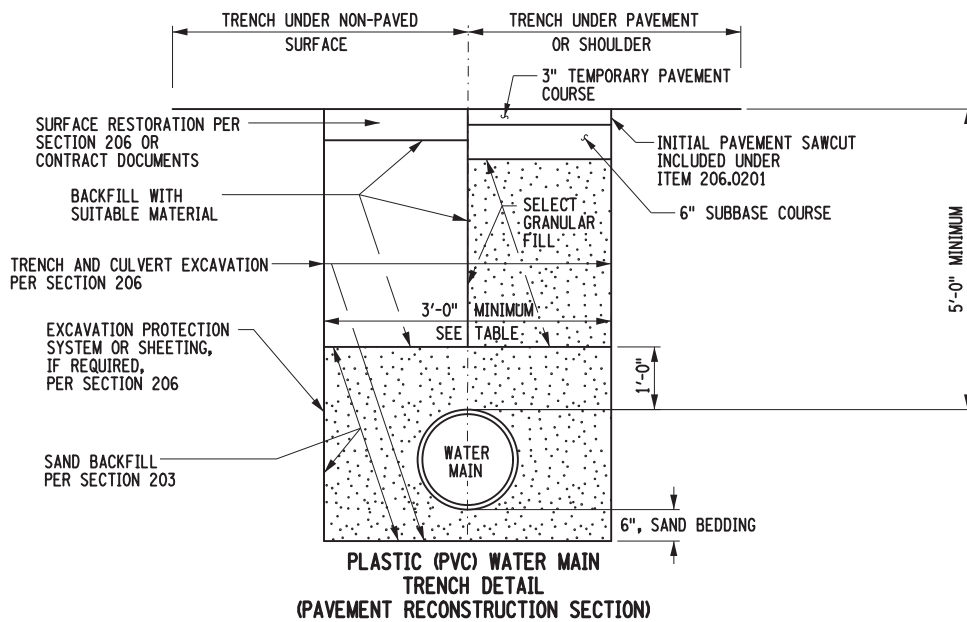
FITTING	4 NPS	6 NPS	8 NPS	10 NPS	12 NPS	14 NPS	16 NPS	18 NPS	20 NPS	24 NPS
11 1/4°	4	11	18	25	35	46	60	74	92	131
22 1/2°	11	18	32	49	67	92	120	148	184	261
45°	18	35	64	95	134	180	233	293	360	512
90°	32	67	117	177	247	332	431	540	664	950

PIPE SIZE	RODS	MIN. EMBEDMENT LENGTH
4 NPS	1 - (3)	6"
6 NPS	1 - (3)	6"
8 NPS	2 - (4)	6"
10 NPS	2 - (4)	6"
12 NPS	2 - (5)	7"
14 NPS	2 - (6)	8"
16 NPS	2 - (6)	8"
18 NPS	2 - (7)	10"
20 NPS	2 - (8)	11"
24 NPS	2 - (9)	12"

NUMBERS IN PARENTHESES ARE BAR SIZES MARKED IN EIGHTHS OF INCHES

VERTICAL UPWARD BENDS - NPS (FT.)										
FITTING	4 NPS	6 NPS	8 NPS	10 NPS	12 NPS	14 NPS	16 NPS	18 NPS	20 NPS	24 NPS
11 1/4°	1.5	2.0	3.0	3.0	4.0	4.0	5.0	5.0	6.0	6.5
22 1/2°	1.5	2.0	3.0	3.0	4.0	4.0	5.0	5.0	6.0	7.0
45°	3.0	4.0	5.5	6.5	8.0	9.0	10.0	10.5	11.5	13.5
90°	7.0	10.0	12.5	15.5	18.5	20.5	23.0	26.0	28.0	32.5
VERTICAL DOWNWARD BENDS - NPS (FT.)										
FITTING	4 NPS	6 NPS	8 NPS	10 NPS	12 NPS	14 NPS	16 NPS	18 NPS	20 NPS	24 NPS
11 1/4°	3.5	5.0	6.5	8.0	9.5	10.5	12.0	13.0	14.5	17.0
22 1/2°	7.0	10.0	13.0	15.5	18.5	21.0	24.0	26.5	29.0	34.0
45°	14.5	20.5	27.0	32.5	38.5	44.0	49.0	54.5	60.0	70.0
90°	35.0	49.5	64.0	78.0	92.0	105.0	118.5	131.5	144.5	169.0

NOTE: FOR POLYETHYLENE WRAPPED PIPE, MULTIPLY VALUES IN TABLE BY 1.45
 NOTE: FOR PVC PIPE MULTIPLY VALUES IN TABLE BY 1.15



NOTES:

- SEE THE SPECIAL NOTES IN CONTRACT PROPOSAL BOOK ENTITLED "OWNER REQUIREMENTS FOR WATER MAINS AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL REQUIREMENTS.
- THRUST RESTRAINT USING THRUST BLOCKS OR RESTRAINED LENGTHS ARE SHOWN ON THESE SHEETS. THRUST BLOCKS, RESTRAINED JOINTS USING TIE RODS OR RETAINER GLANDS ARE ALL ACCEPTABLE METHODS. HOWEVER, THE THRUST RESTRAINT METHOD SELECTED SHALL BE APPROVED BY THE SYSTEM OWNER.
- IF THE VILLAGE OF EVANS MILLS ALLOWS A METHOD THAT RESTRAINS INDIVIDUAL JOINTS, EACH JOINT THAT FALLS WITHIN THE MINIMUM RESTRAINED LENGTH, MEASURED FROM THE CENTER OF THE FITTING, AS SHOWN ON THESE SHEETS SHALL BE RESTRAINED, AND SHALL WITHSTAND THE MAXIMUM PRESSURE APPLIED TO THE SYSTEM.
- CLASS A CONCRETE SHALL NOT BE PLACED UNDERWATER. THE CONTRACTOR SHALL DE WATER THE EXCAVATION OR PLACE TYPE "G" CONCRETE USING APPROPRIATE UNDERWATER PLACEMENT TECHNIQUES.
- CONCRETE FOR THRUST BLOCKS SHALL NOT BE ALLOWED TO COVER OR INTERFERE WITH JOINT OR RESTRAINT HARDWARE. PLASTIC SHEETING OR BUILDING FELT MAY BE PLACED OVER PIPE OR FITTINGS TO PREVENT CONCRETE FROM ADHERING TO SURFACES.
- THRUST BLOCK ANCHOR RODS SHALL MEET THE REQUIREMENTS OF §709-03 OF THE STANDARD SPECIFICATIONS. ALL EMBEDDED RODS SHALL HAVE STANDARD ACT HOOKS ON EACH END, AND SHALL HAVE A MINIMUM OF 3" CONCRETE COVER IN ALL DIRECTIONS.
- THRUST RESTRAINT FOR SIZES OVER 24 NPS AND/OR FOR OTHER FITTINGS NOT SHOWN ON THESE SHEETS WILL BE AS SHOWN IN THE CONTRACT DOCUMENTS.
- THRUST BLOCK SIZES AND MINIMUM RESTRAINED LENGTHS SHOWN ON THESE SHEETS ARE BASED UPON THE FOLLOWING ASSUMED CONDITIONS:
 1.5 SAFETY FACTOR
 5 FT DEPTH OF COVER
 200 PSI WATER SYSTEM TEST PRESSURE
 30° SOIL FRICTION ANGLE
 90 LBS/FT³ SOIL UNIT WEIGHT
 IF SOILS ARE POORER THEN REFER TO REFERENCES
- FOR INSTALLATIONS NOT MEETING THE CONDITIONS OF NOTE 8, THE CONTRACTOR SHALL SUBMIT CALCULATIONS TO THE ENGINEER FOR APPROVAL OF RESTRAINT LENGTH CHOSEN.
- TO DETERMINE REQUIRED SIZES FOR DIFFERENT TEST PRESSURES, MULTIPLY THE DIMENSION BY A FACTOR OF THE SPECIFIC VALUE DIVIDED BY THE STANDARD VALUE.

EXAMPLE: GRAVITY BLOCK VOLUME FOR 12 NPS 45° BEND WITH 100 PSI TEST PRESSURE:
 WIDTH = 3'-3"
 HEIGHT = 1'-7"
 VOLUME REQUIRED 134 FT³ X (100/200) = 67 FT³

REFERENCES:

- DUCTILE IRON PIPE RESEARCH ASSOCIATION
- EBAA IRON CONNECTIONS TECHNICAL DATA SERIES

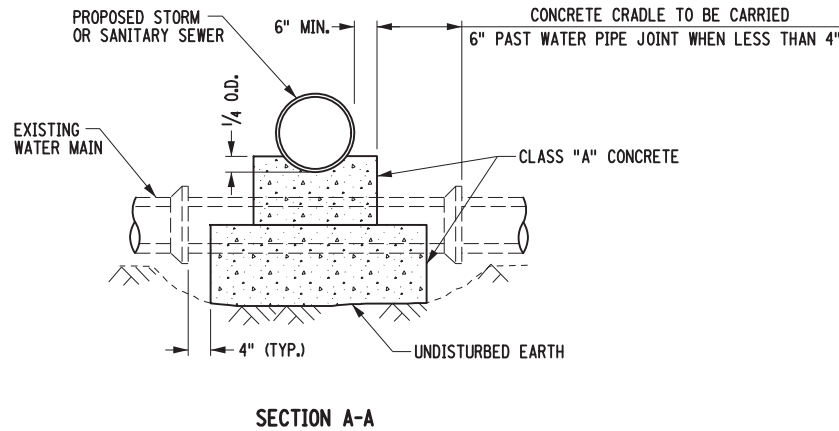
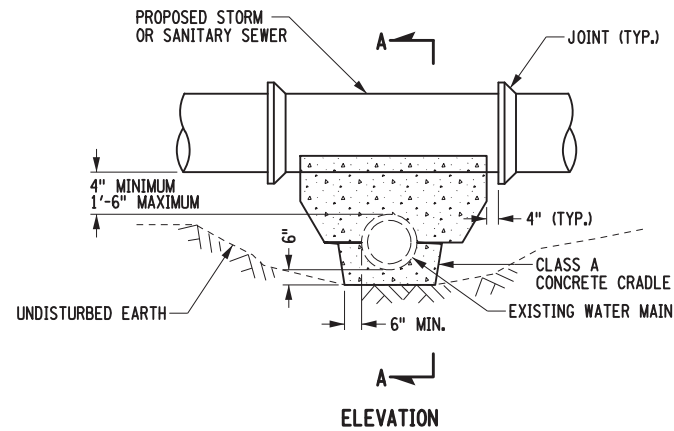
NPS SIZE	MAXIMUM JOINT DEFLECTION		
	PUSH-ON JOINTS	MJ JOINTS	18/20 FT.
3	5°	5°	8°
4	5°	5°	8°
6	5°	5°	7°
8	5°	5°	5°
10	5°	5°	5°
12	5°	5°	5°
14	3°	3°	3.5°
16	3°	3°	3.5°
18	3°	3°	3°
20	3°	3°	3°
24	3°	3°	2°
30	3°	3°	N/A
36	3°	3°	N/A
42	3°	3°	N/A
48	N/A	3°	N/A
54	N/A	3°	N/A
60	N/A	3°	N/A
64	N/A	3°	N/A

NPS SIZE	TRENCH WIDTH
3	3'-0"
4	3'-0"
6	3'-0"
8	3'-0"
10	3'-0"
12	3'-0"
14	3'-6"
16	3'-6"
18	3'-6"
20	4'-0"
24	4'-0"
30	4'-6"
36	5'-0"
42	5'-6"
48	6'-0"
54	6'-6"
60	7'-0"
64	7'-6"

AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

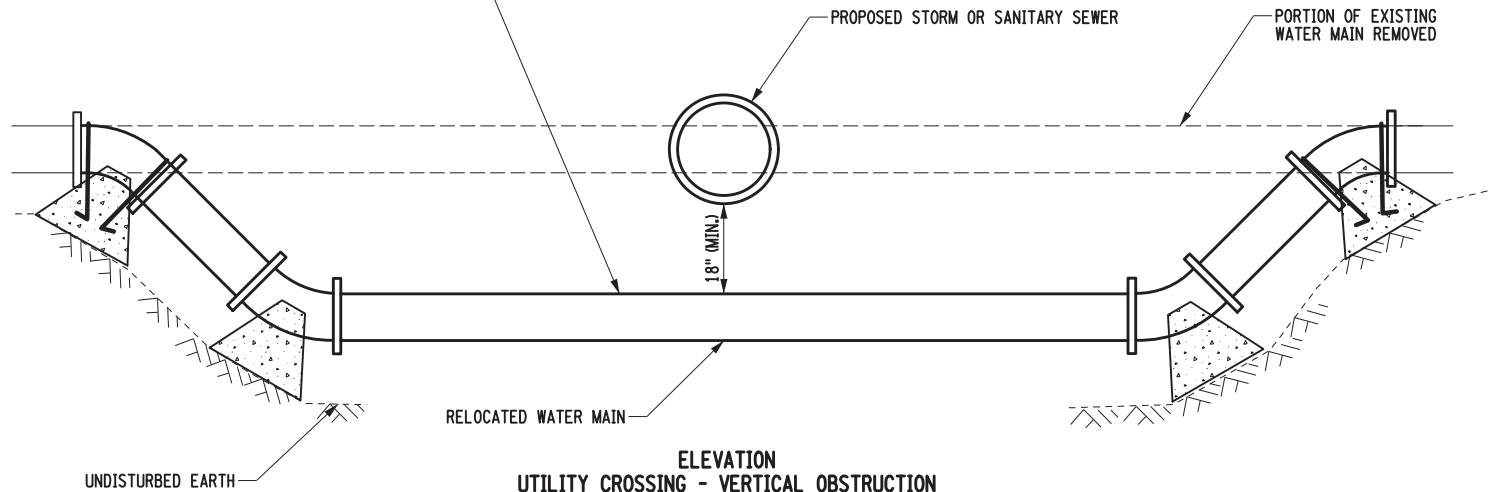
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 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS					
	COUNTY: JEFFERSON	REGION: 7			MISCELLANEOUS DETAILS WATERMAIN	DRAWING NO. MSD-6 SHEET NO. 23
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.					JEFFERSON COUNTY HIGHWAY DEPARTMENT	Stantec



**UTILITY CROSSING - VERTICAL OBSTRUCTION
 LACKING REQUIRED VERTICAL OFFSET**
 PROPOSED STORM SEWER CROSSING WATER MAIN WITH 4" - 18" OF VERTICAL SEPARATION

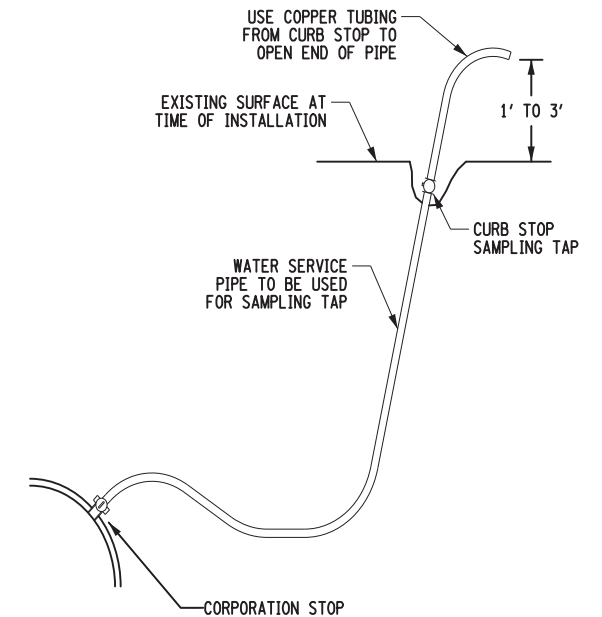
NOTE: PIPE SHALL BE A FULL LENGTH PIPE CENTERED UNDER THE CROSSING UTILITY, OR THE MAXIMUM LENGTH POSSIBLE UNDER EXISTING CONDITIONS.



**ELEVATION
 UTILITY CROSSING - VERTICAL OBSTRUCTION
 WITH REQUIRED VERTICAL OFFSET**
 NOTE: THRUST BLOCKS SHOWN, THRUST RESTRAINT MAY BE PROVIDED BY ANY SINGLE METHOD IN ACCORDANCE WITH WATER MAIN THRUST RESTRAINT DETAILS

NOTES:

- SEE THE SPECIAL NOTES IN CONTRACT PROPOSAL BOOK ENTITLED "OWNER REQUIREMENTS FOR WATER MAINS AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL REQUIREMENTS.
- WATER MAIN RELOCATION WORK MAY BE REQUIRED WHERE PROPOSED STORM DRAINS CROSS AN EXISTING WATER MAIN. THE CONTRACTOR SHALL ESTABLISH THE DEPTH OF THE WATER MAIN AT ALL CROSSING POINTS. THE ENGINEER WILL THEN VERIFY THE EXTENT OF THE WATER MAIN RELOCATION WORK REQUIRED.
- UNLESS OTHERWISE NOTED IN THE OWNER REQUIREMENTS, A SINGLE METHOD OF THRUST RESTRAINT SHALL BE PROVIDED AT EACH FITTING THAT CREATES A THRUST IN ACCORDANCE WITH PRESSURE PIPE THRUST RESTRAINT DETAILS.
- THE OFFSET OF A WATER MAIN TO AVOID AN OBSTRUCTION SHALL BE ACCOMPLISHED USING A MINIMUM NUMBER AND WEIGHT OF FITTINGS.
- ENCASEMENT OF A WATER MAIN IN A CONCRETE CRADLE DUE TO PROXIMITY OF A STORM SEWER WILL BE INSTALLED IN ACCORDANCE WITH SECTION 501, WITH THE EXCEPTION THAT BATCHING REQUIREMENTS SHALL NOT APPLY.



NOTES:

- LOCATION OF SAMPLING TAPS ARE SUBJECT TO PRIOR APPROVAL BY VILLAGE AND NYS DEPARTMENT OF PUBLIC HEALTH.
- IF SAMPLING TAP IS LOCATED IN PAVED AREA, SAMPLING TAP IS TO BE KEPT BELOW GROUND EXCEPT WHEN IN USE.
- IF APPROVED BY VILLAGE, SAMPLING TAP MAY BE LOCATED AT SAME LOCATION AS NEW WATER SERVICE.
- IF SAMPLING TAP IS NOT TO BE USED AS NEW WATER SERVICE, UPON NOTIFICATION OF ACCEPTABLE SAMPLE RESULTS, CORPORATION STOP IS TO BE REMOVED AND REPLACED WITH A BRASS PLUG OR CORPORATION STOP IS TO BE CLOSED, WATER SERVICE PIPE DISCONNECTED FROM CORPORATION AND BRASS CAP INSTALLED ON OUTLET OF CORPORATION STOP.
- MAXIMUM DISTANCE BETWEEN SAMPLING TAPS ON NEW WATER MAIN INSTALLATION IS 1,000 FEET.

DISINFECTION & SAMPLING TAP

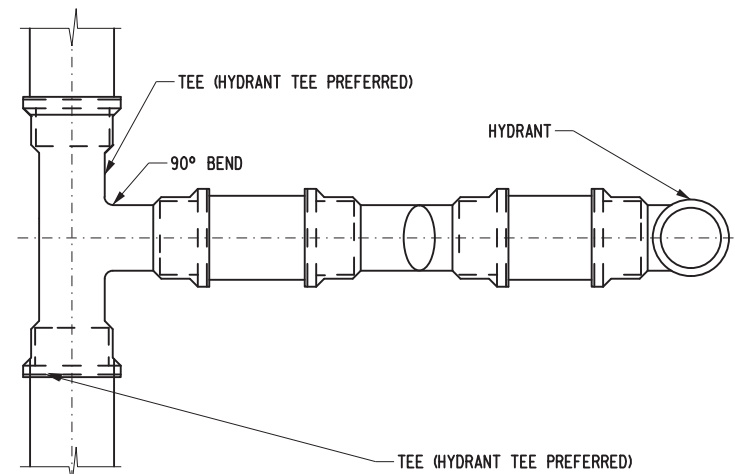
AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

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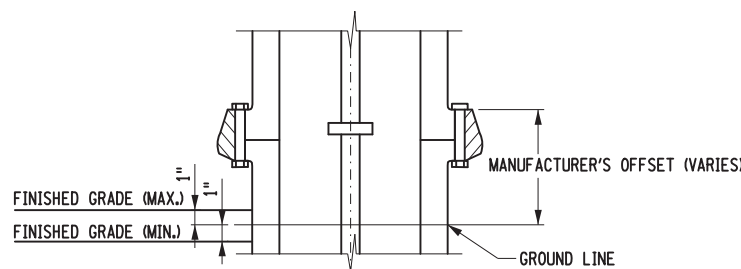
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS				MISCELLANEOUS DETAILS WATERMAIN	DRAWING NO. MSD-7 SHEET NO. 24
	COUNTY: JEFFERSON	REGION: 7			JEFFERSON COUNTY HIGHWAY DEPARTMENT	

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.

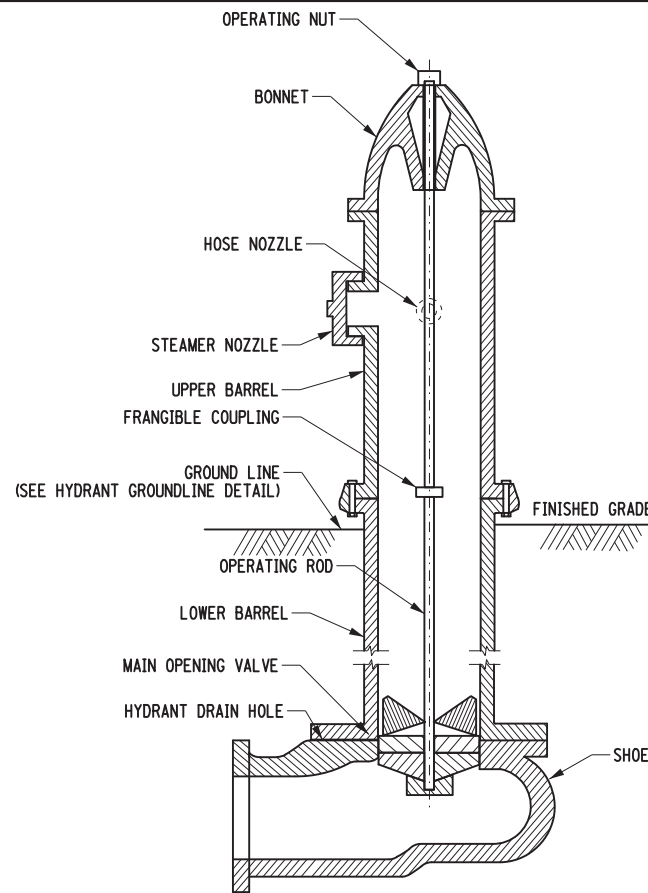
JEFFERSON COUNTY
HIGHWAY DEPARTMENT



TYPICAL HYDRANT INSTALLATION
PLAN VIEW

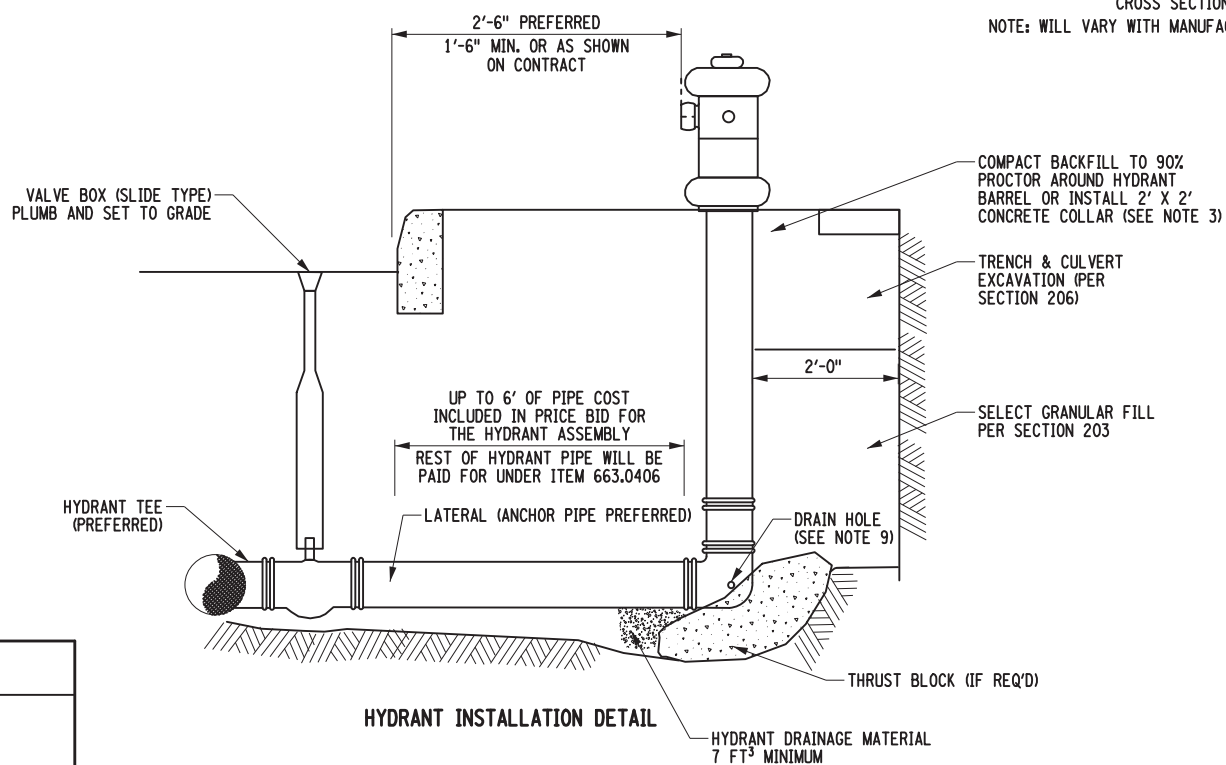


HYDRANT GROUND LINE DETAIL



HYDRANT ASSEMBLY
CROSS SECTION

NOTE: WILL VARY WITH MANUFACTURER & MODEL



HYDRANT INSTALLATION DETAIL

NOTES:

- SEE THE SPECIAL NOTES IN CONTRACT PROPOSAL BOOK ENTITLED "OWNER REQUIREMENTS FOR WATER MAINS AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL REQUIREMENTS.
- ALL NEW HYDRANTS SHALL BE DRY-BARREL TRAFFIC MODELS IN ACCORDANCE WITH AWWA STANDARD C502 UNLESS SPECIFICALLY REQUIRED OTHERWISE BY THE OWNER REQUIREMENTS. THE GROUND LINE MARKED ON THE HYDRANT, OR IDENTIFIED BY THE MANUFACTURERS USING AN OFFSET FROM A KNOWN POINT ON THE HYDRANT, SHALL BE WITHIN 1" ABOVE OR BELOW FINISHED GRADE. THE HYDRANT SHALL BE INSTALLED SO THAT NO PORTION OF THE LOWER BARREL (THAT PORTION REMAINING IF THE UPPER BARREL IS BROKEN OFF) EXTENDS MORE THAN 4" ABOVE FINISHED GRADE, MEASURED OVER 5'-0" HORIZONTAL SPAN.
- WHEN THE HYDRANT CANNOT BE PLACED IN THE DESIRED LOCATION USING THE TYPICAL HYDRANT INSTALLATION DUE TO CLOSE PROXIMITY TO THE MAIN, THE ALTERNATE HYDRANT LOCATION LAYOUT MAY BE USED.
- MULTIPLE BARREL EXTENSIONS ARE NOT PERMITTED UNLESS THE DESIRED GRADE CANNOT BE REACHED WITH A SINGLE EXTENSION. IF A SMALLER EXTENSION IS ALREADY IN PLACE ON AN EXISTING HYDRANT, IT SHALL BE REMOVED AND REPLACED WITH A SINGLE LONGER ONE. THE REMOVED EXTENSIONS SHALL BECOME THE PROPERTY OF THE OWNER.
- BACKFILL AROUND THE TOP OF THE LOWER BARREL SHALL BE COMPACTED TO A MINIMUM DENSITY OF 90% PROCTOR IN ACCORDANCE WITH STANDARD §203-3.15 OR A 2' X 2' IN CONCRETE COLLAR SHALL BE CAST AROUND THE BARREL IN ORDER TO PREVENT MOVEMENT OF THE SHOE - IF THE HYDRANT IS STUCK.
- LATERALS FOR HYDRANTS USING ANCHOR PIPES SHALL BE SINGLE PIECE, UNLESS MORE THAN A FULL LENGTH OF ANCHOR PIPE IS REQUIRED. LATERALS FOR HYDRANTS USING THRUST RESTRAINT PROVIDED BY MEANS OTHER THAN AN ANCHOR PIPE SHALL BE SINGLE PIECE, UNLESS MORE THAN A FULL LENGTH (18'-0") OF PIPE IS REQUIRED.
- NEW WATER MAINS INSTALLED PARALLEL TO STORM AND/OR SANITARY SEWER CONDUITS SHALL HAVE A MINIMUM OF 10'-0" HORIZONTAL SEPARATION (MEASURED EDGE OF PIPE TO EDGE OF PIPE) WHENEVER POSSIBLE. WHEN 10'-0" HORIZONTAL SEPARATION CANNOT BE MAINTAINED, A VERTICAL SEPARATION OF AT LEAST 1'-6" BETWEEN BOTTOM OF WATER MAIN AND TOP OF SEWER PIPE SHALL BE MAINTAINED. IF NEITHER HORIZONTAL OR VERTICAL SEPARATION CAN BE MAINTAINED, THE WATER AND THE SEWER SHALL BE CONSTRUCTED AS SHOWN ON THE CONTRACT PLANS AND APPROVED BY THE APPROPRIATE HEALTH AGENCY.
- THE RELOCATION OF AN EXISTING HYDRANT SHALL INCLUDE THE INSTALLATION LENGTH OF ANCHOR PIPE UP TO 6'-6" LONG, INSTALLED AT ANY POINT BETWEEN THE MAIN AND THE HYDRANT.
- THRUST RESTRAINTS SHALL BE PROVIDED AS FOR A DEAD END AND AS REQUIRED BY THE OWNER'S REQUIREMENTS.
- THE HYDRANT DRAIN HOLE SHALL BE KEPT UNOBSTRUCTED, CARE SHALL BE USED TO KEEP THRUST RESTRAINTS FROM BLOCKING DRAIN HOLE. IF THE HYDRANT DRAIN IS LOCATED WITHIN 10'-0" OF A SANITARY SEWER OR STORM DRAIN, OR IF GROUNDWATER IS FOUND WITHIN 6'-6" OF FINISHED GRADE, THE HYDRANT DRAINS SHALL BE PLUGGED.
- HYDRANT DRAINAGE MATERIAL SHALL BE #1 OR #2 STONE PER STANDARD §703-02.
- MATERIALS REMOVED UNDER REMOVE EXISTING HYDRANT SHALL REMAIN THE PROPERTY OF THE SYSTEM OWNER. THE CONTRACTOR SHALL NOTIFY THE OWNER A MINIMUM OF 48 HOURS PRIOR TO REMOVAL TO COORDINATE PICK-UP, OR SHALL STORE THE MATERIALS FOR PICK-UP ON-SITE A.O.B.E.
- MATERIALS REMOVED UNDER REMOVE AND DISPOSE OF EXISTING HYDRANT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE WORK SITE A.O.B.E.

AFFIX SEAL: SEAN W. MILLER
ON: MARCH 5, 2024

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

NOBLE STREET OVER WEST CREEK
VILLAGE OF EVANS MILLS

PIN
7753.77

BRIDGES
3371810

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

CONTRACT NUMBER
D040965

MISCELLANEOUS DETAILS
HYDRANT

DRAWING NO. MSD-8
SHEET NO. 25

COUNTY: JEFFERSON

REGION: 7

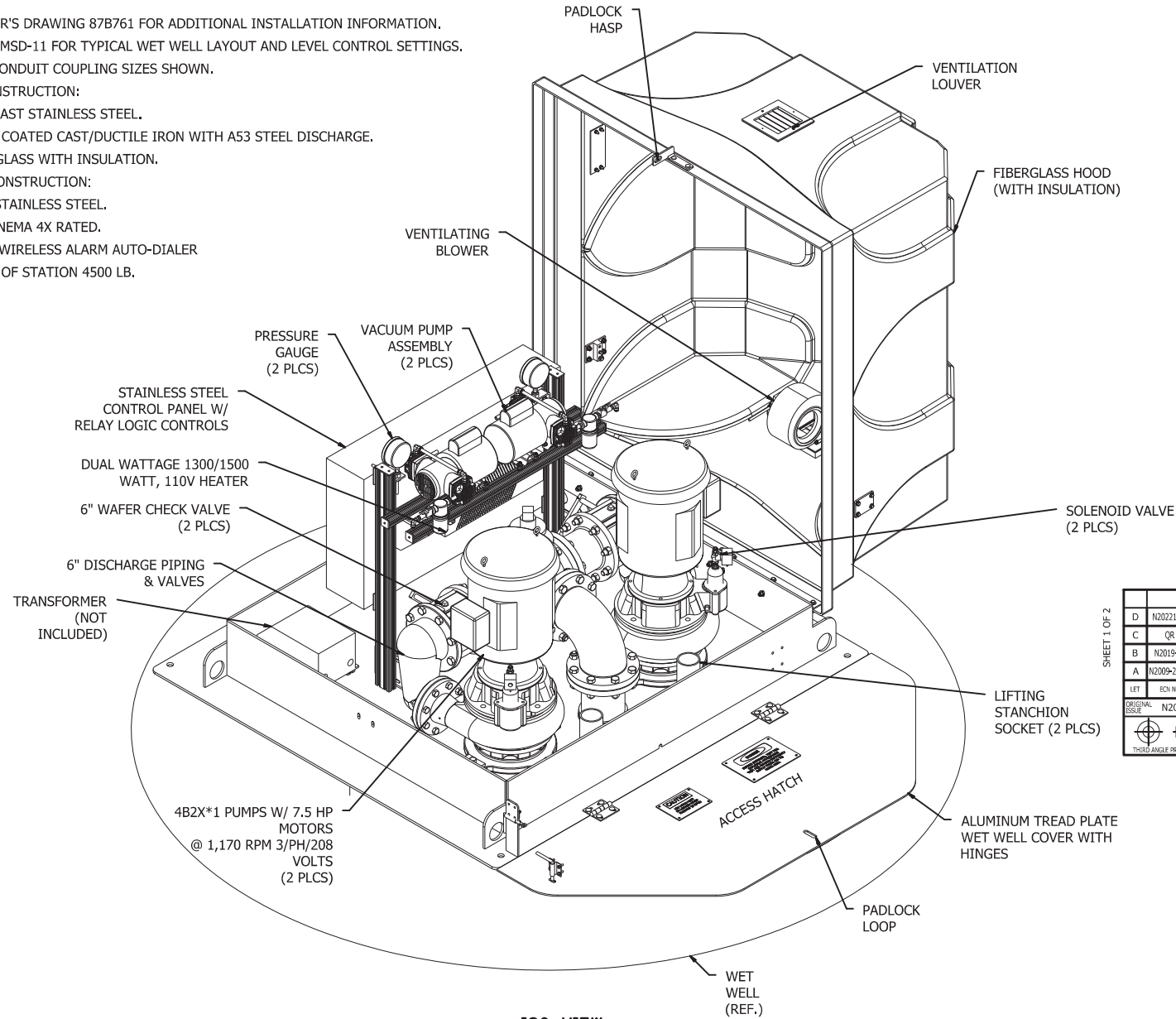
JEFFERSON COUNTY
HIGHWAY DEPARTMENT



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.

NOTES:

1. SEE MANUFACTURER'S DRAWING 87B761 FOR ADDITIONAL INSTALLATION INFORMATION.
2. SEE DRAWING NO. MSD-11 FOR TYPICAL WET WELL LAYOUT AND LEVEL CONTROL SETTINGS.
3. U.S. CUSTOMARY CONDUIT COUPLING SIZES SHOWN.
4. MATERIALS OF CONSTRUCTION:
 - a. BASE: DUROLAST STAINLESS STEEL.
 - b. PIPING: EPOXY COATED CAST/DUCTILE IRON WITH A53 STEEL DISCHARGE.
 - c. HOOD: FIBERGLASS WITH INSULATION.
5. CONTROL PANEL CONSTRUCTION:
 - a. MATERIAL: 316 STAINLESS STEEL.
 - b. NEMA RATING: NEMA 4X RATED.
6. SCADA: OPTIONAL WIRELESS ALARM AUTO-DIALER
7. MAXIMUM WEIGHT OF STATION 4500 LB.



DRAWN BY: BTG		DATE: 5/20/2015	ALLOWABLE TOLERANCES:	FOR: Drawing_For
CHECKED BY: RSM		DATE: 5/1/2015	FRACTIONS: -	EVERLAST® 1000 6" [150 MM] PIPING W/4B2X PUMPS
APPROVED BY: WGF		DATE: 5/1/2015	DECIMALS: -	
LET	ECH NO	DATE	SCALE	CODE
ORIGINAL ISSUE: N2009-29				SMITH & LOVELESS, INC. 2021
SERIAL NO: 87B865.DWG				REV: D
DWG NO: 87B865				SCALE: 1:1

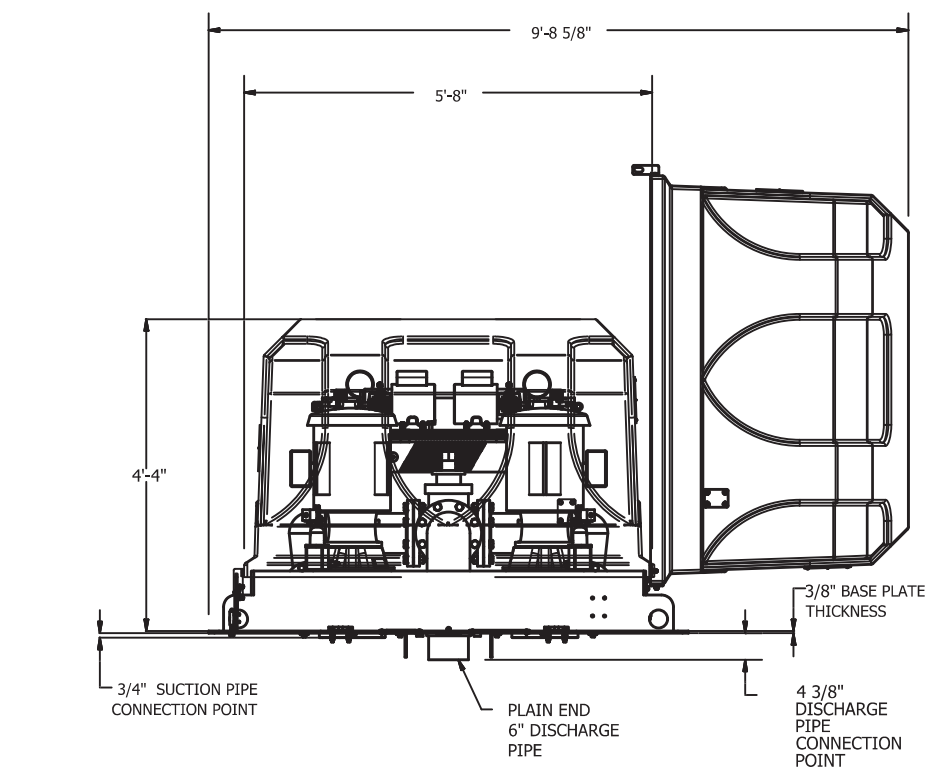
AFFIX SEAL: JEROME D. MEANS
ON: MARCH 5, 2024

ALTERED BY:
ON:

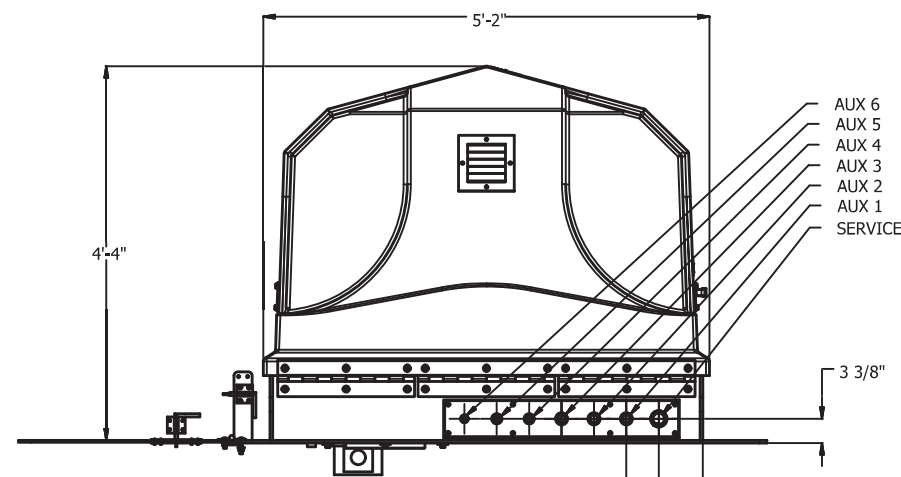
Jerome D. Means

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS				MISCELLANEOUS DETAILS SANITARY SEWER PUMP STATION	DRAWING NO. MSD-9 SHEET NO. 26
	COUNTY: JEFFERSON	REGION: 7				JEFFERSON COUNTY HIGHWAY DEPARTMENT

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.



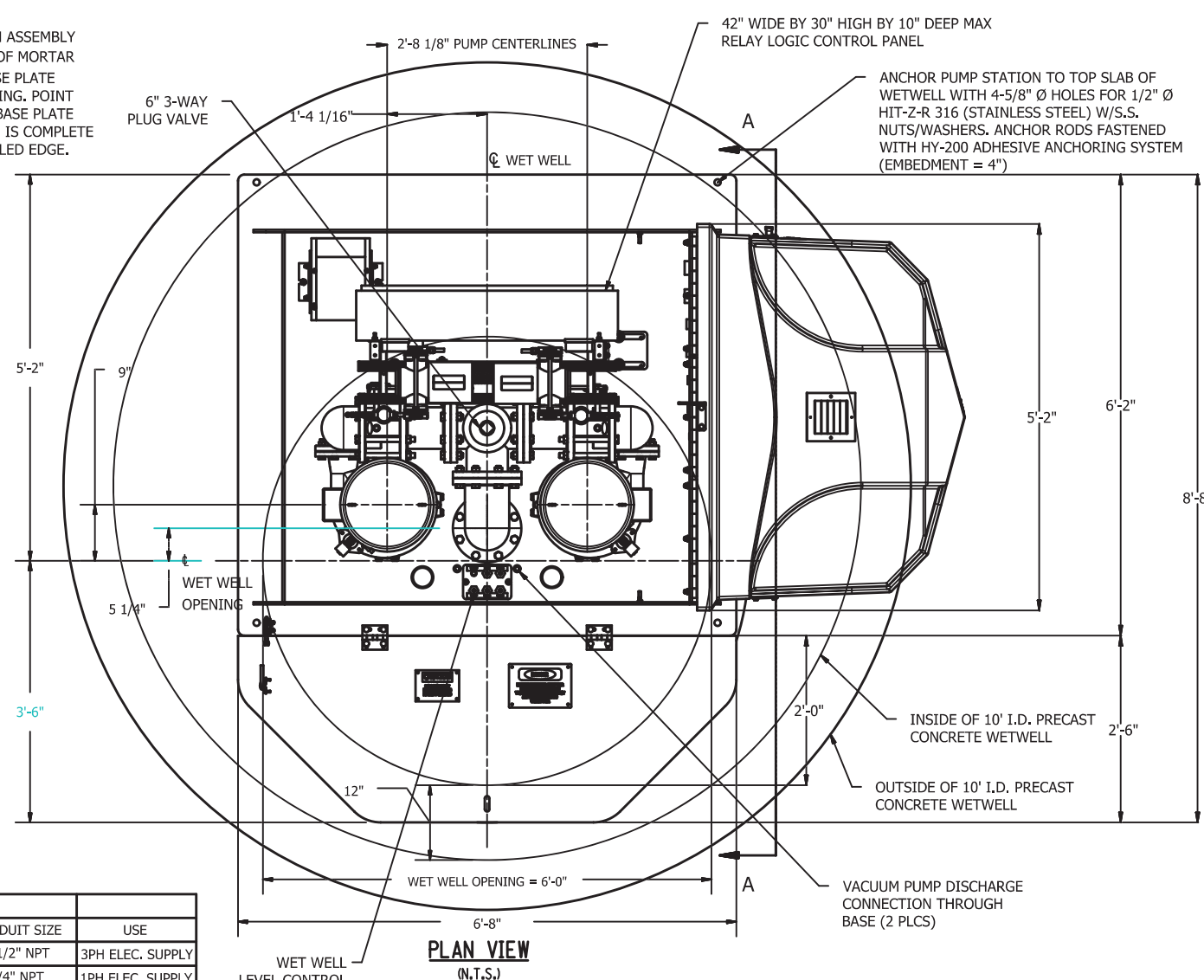
ELEVATION VIEW
 (HOOD SHOWN OPEN WITH CLOSED HOOD OVERLAY)
 (N.T.S.)



VIEW A-A
 (HOOD CLOSED)
 CONDUIT CONNECTIONS (SEE TABLE 1)
 (N.T.S.)

NOTE:

SET PUMP STATION ASSEMBLY ON A 1/2 INCH BED OF MORTAR UNDER ENTIRE BASE PLATE PRIOR TO ANCHORING. POINT MORTAR AROUND BASE PLATE AFTER ANCHORING IS COMPLETE TO CREATE A BEVELED EDGE.



PLAN VIEW
 (N.T.S.)

TABLE 1		
CONNECTION	CONDUIT SIZE	USE
SERVICE	1 1/2" NPT	3PH ELEC. SUPPLY
AUX 1	3/4" NPT	1PH ELEC. SUPPLY
AUX 2	3/4" NPT	SPARE FOR SCADA
AUX 3	1/2" NPT (OPT.)	NOT USED
AUX 4	OPTIONAL	NOT USED
AUX 5	OPTIONAL	NOT USED
AUX 6	OPTIONAL	NOT USED

DRAWN BY: BTG		DATE: 5/20/2015	ALLOWABLE TOLERANCES	FOR: Drawing_For
CHECKED BY: RSM		DATE: 5/1/2015	FRACTIONS	EVERLAST® 1000 6" [150 MM] PIPING W/4B2X PUMPS
APPROVED BY: WGF		DATE: 5/1/2015	DECIMALS	
SCALE:		CODE:	ANGLES	SIZE
LET	EON NO	DATE	BY	APPRVD
ORIGINAL ISSUE: N2009-29		Smith & Loveless, Inc. 2021		FILE NAME: 87B865.DWG
SERIAL NO		DWG NO: 87B865		PLOT SCALE: 1:1
REV D		REV D		

SHEET 1 OF 2

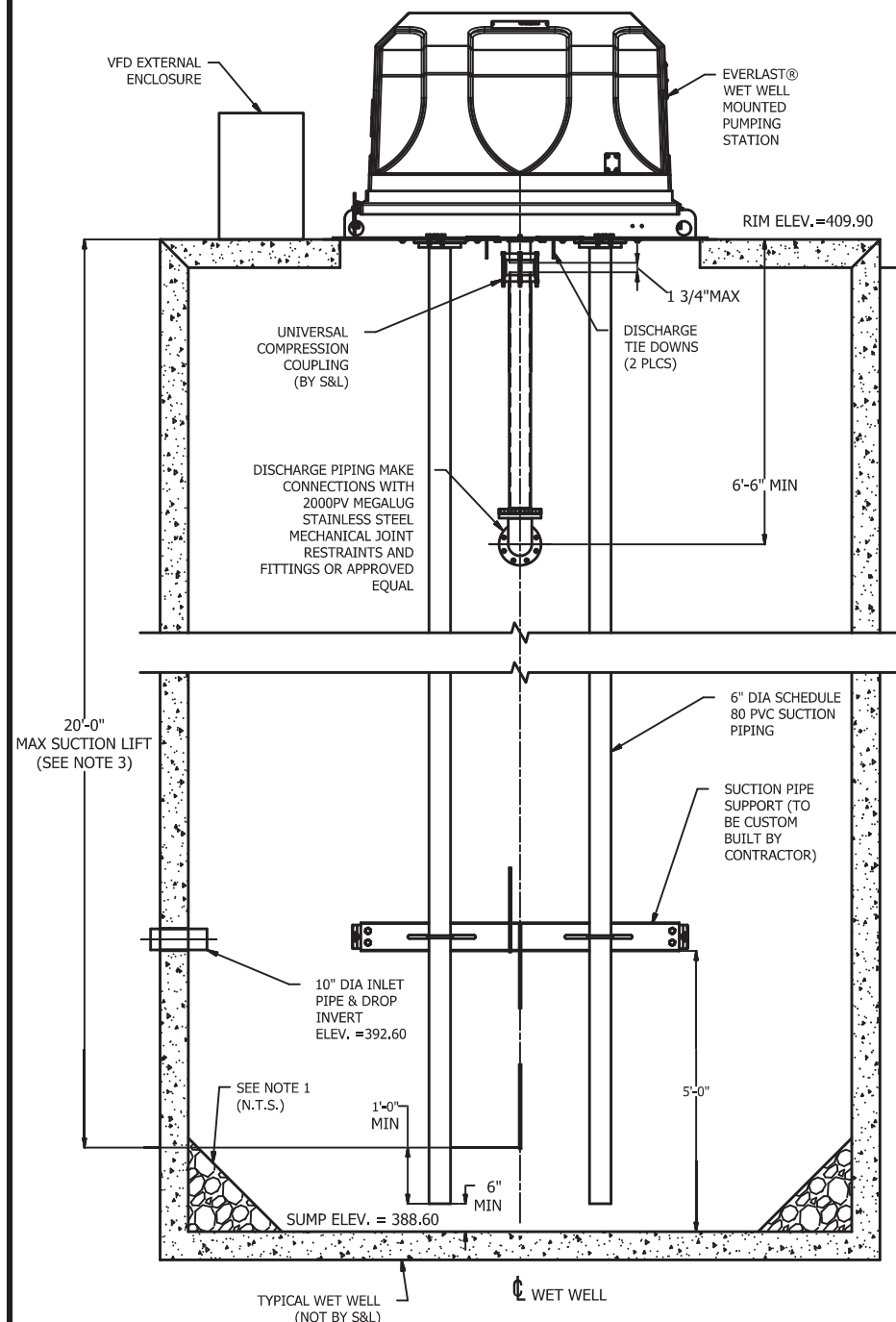
AFFIX SEAL: JEROME D. MEANS
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

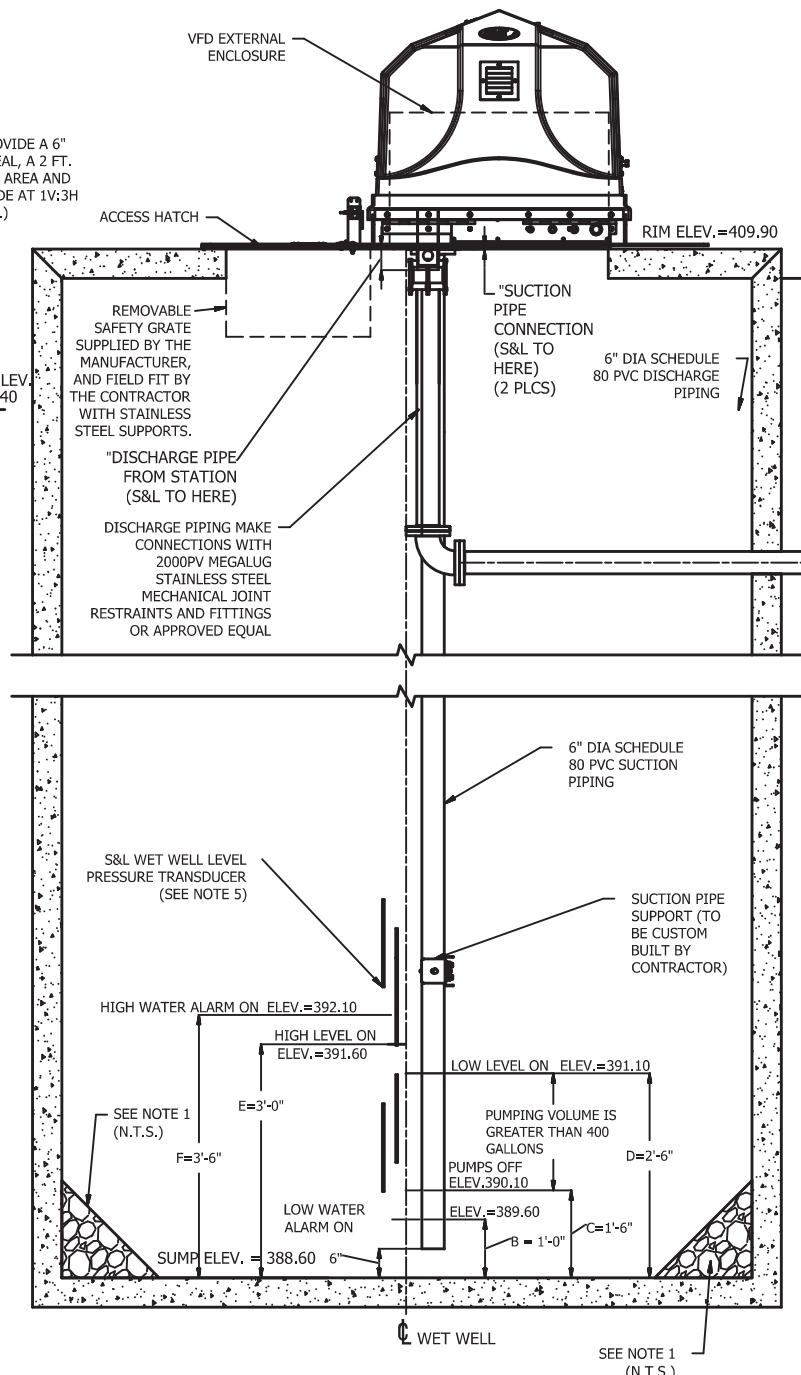
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	7753.77	3371810			
	COUNTY: JEFFERSON	REGION: 7			MISCELLANEOUS DETAILS SANITARY SEWER PUMP STATION	DRAWING NO. MSD-10 SHEET NO. 27
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.					JEFFERSON COUNTY HIGHWAY DEPARTMENT	Stantec

FILE NAME = U:\192808\086\Transportation\Design - Highway\Drawing\Plan Set\28-MSD-11.dgn
 DATE/TIME = 3/6/2024 12:48:31 PM
 USER = mgrasso

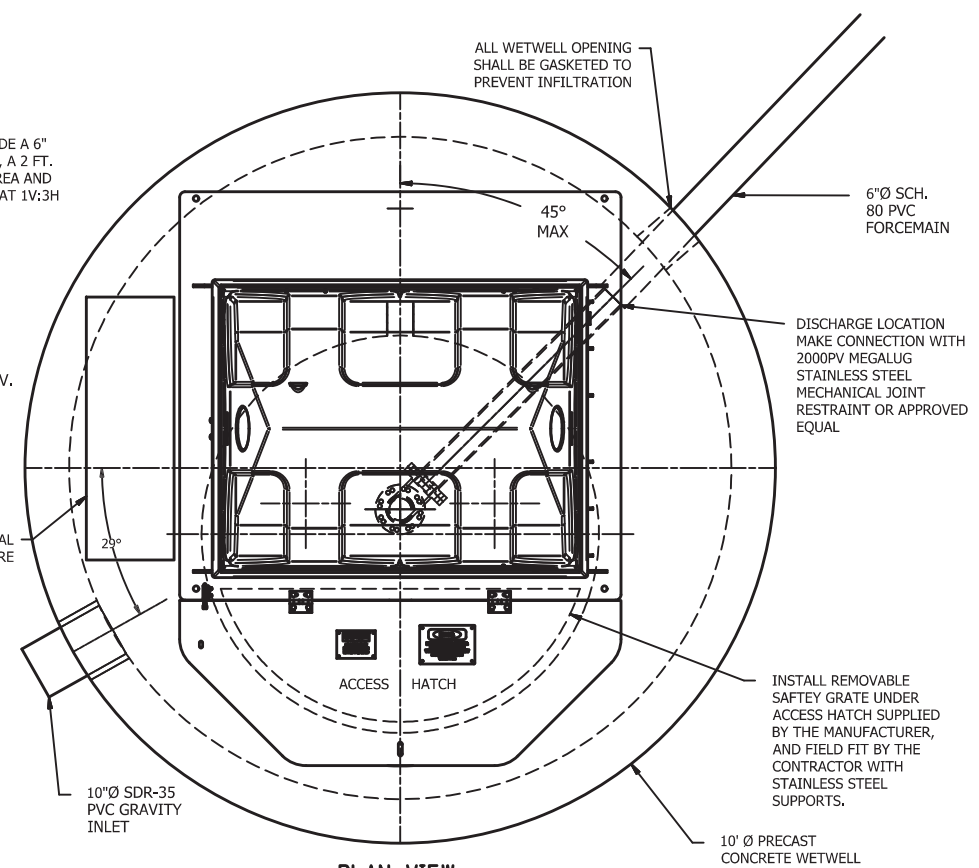
PROJECT MANAGER T. BUTLER
 CHECK J. MEANS
 DRAFTING B. LAMBERT
 CHECK B. WALKER
 DESIGN J. MEANS
 JOB MANAGER S. MILLER
 DESIGN SUPERVISOR J. HOFMANN



FRONT SECTIONAL ELEVATION
(N.T.S.)



SIDE SECTIONAL ELEVATION
(N.T.S.)



PLAN VIEW
(N.T.S.)

NOTES:

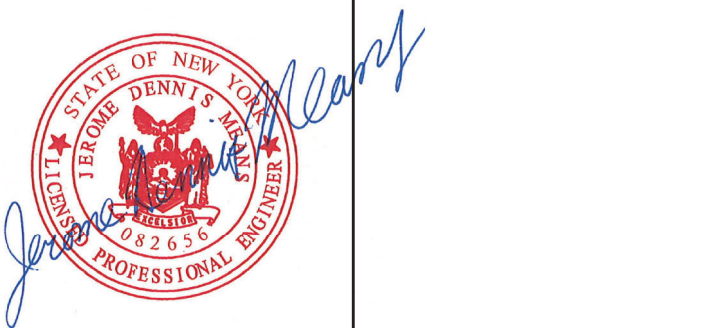
- PROVIDE 45° SLOPE IN WET WELL AS REQUIRED. ENSURE THE CONCRETE GROUT DOES NOT CONFLICT WITH, RESTRICT OR BLOCK THE OPENINGS OF, THE SUCTION PIPES.
- SUCTION PIPE MATERIAL RECOMMENDED TO BE SCHEDULE 80 PVC OR CPVC. A SUCTION PIPE SUPPORT IS TO BE INSTALLED BY OTHERS AS SHOWN. THE SIZE AND MOUNTING WILL VARY BASED ON PROJECT REQUIREMENTS. SUPPORT MATERIALS SHALL BE NON-CORROSIVE.
- 20 FT MAXIMUM SUCTION LIFT IS AVAILABLE UP TO A MAXIMUM OF 85°F [29°C] AND 1000 FT OF ALTITUDE. THE ALLOWABLE SUCTION LIFT WILL BE DERATED FOR TEMPERATURES ABOVE 85°F [29°C] AND 1000 FT OF ALTITUDE.
- MINIMUM OF 1/2-IN OF GROUT OR MASTIC SPACER ON THE TOP OF THE WET WELL LIP IS REQUIRED FOR PROPER SEATING OF THE PUMP STATION.
- S&L TO PROVIDE PRESSURE TRANSDUCER PUMP CONTROLS WITH 2 PARALLEL REDUNDANT FLOAT SWITCHES AS A BACKUP.
- THE WET WELL (INCLUDING INLET, INVERT, CAP AND/OR GROUT), SUCTION PIPES, DISCHARGE FORCE MAIN AND DISCHARGE FORCE MAIN RESTRAINT ARE NOT PROVIDED BY S&L.
- SUCTION PIPE SUPPORTS SHALL SPAN ACROSS THE WET WELL WALLS.
- PIPE SUPPORT SHALL BE A MINIMUM OF 304 STAINLESS STEEL.
- ALL JOINTS IN THE WETWELL SHALL HAVE O-RING SEALS TO PREVENT INFILTRATION INTO THE WETWELL.

TABLE 2 (TYPICAL WET WELL LEVEL SETTINGS)

ITEM	DIMENSION	LEVEL
LOW WATER ALARM	B	1'-0"
PUMPS OFF	C	1'-6"
LOW LEVEL	D	2'-6"
HIGH LEVEL	E	3'-0"
HIGH WATER ALARM	F	3'-6"

DRAWN BY: F.J.G.M.		DATE: 3/27/2008	ALLOWABLE TOLERANCES	FOR Drawing_For	
CHECKED BY: A.C.M.		DATE: 3/31/2008	FRACTIONS	EVERLAST® PUMP STATIONS	
APPROVED BY: C.M.G.		DATE: 3/31/2008	DECIMALS	TYPICAL WET WELL LAYOUT AND	
SCALE: RMV		CODE: -	ANGLES	CONTROL LEVEL SETTINGS	
LET	ECN NO	DATE	BY APP'VD	FILE NAME	PLOT SCALE
A	N2021-52	1/13/2021	CAS RMV	87B721.DWG	1:1
ORIGINAL ISSUE	N2008-23	Smith & Loveless, Inc.	2021	SERIAL NO	DWG NO
				87B721	REV A

AFFIX SEAL: JEROME D. MEANS
 ON: MARCH 5, 2024



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

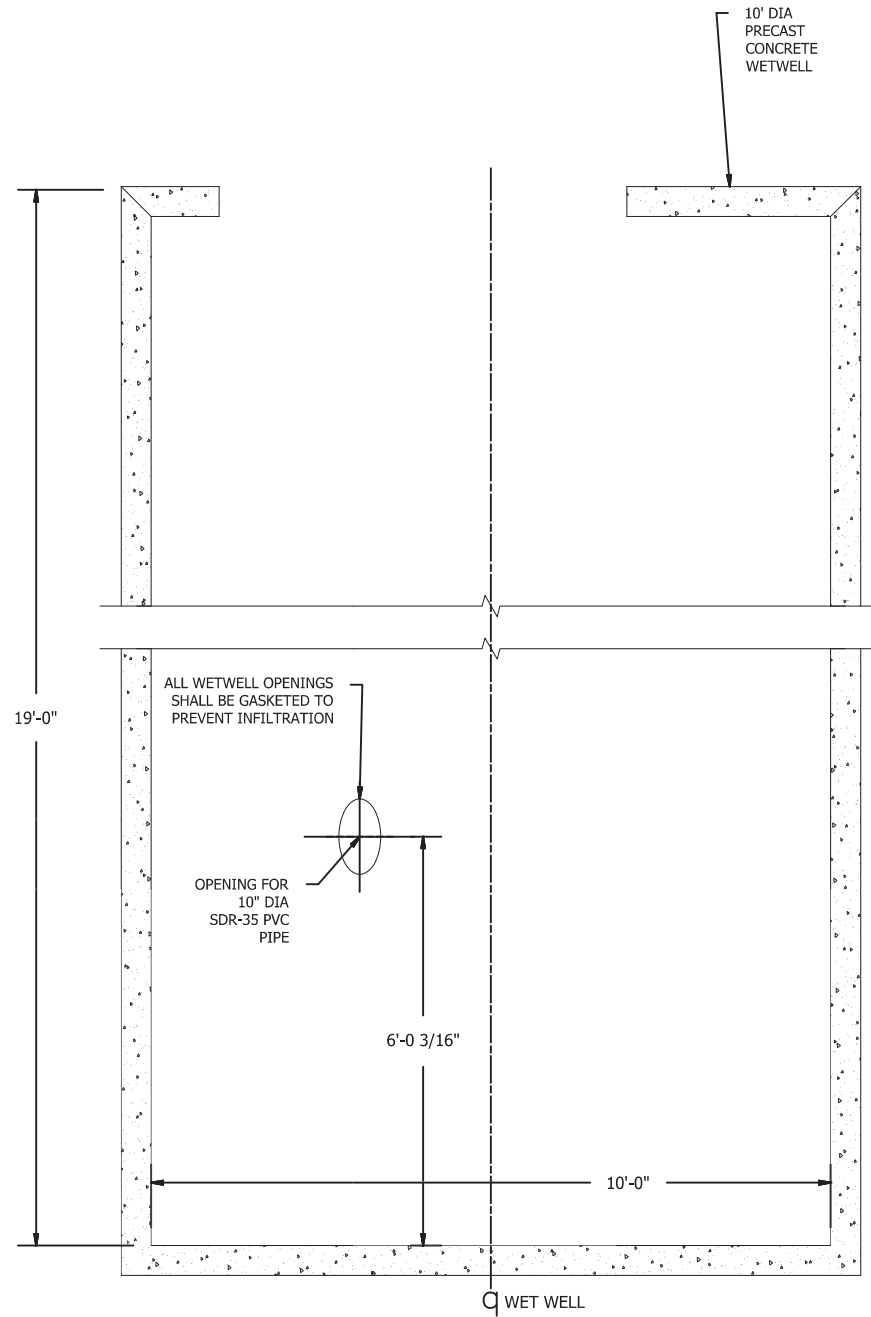
NOBLE STREET OVER WEST CREEK
 VILLAGE OF EVANS MILLS
 COUNTY: JEFFERSON REGION: 7

PIN 7753.77
 BRIDGES 3371810
 CULVERTS

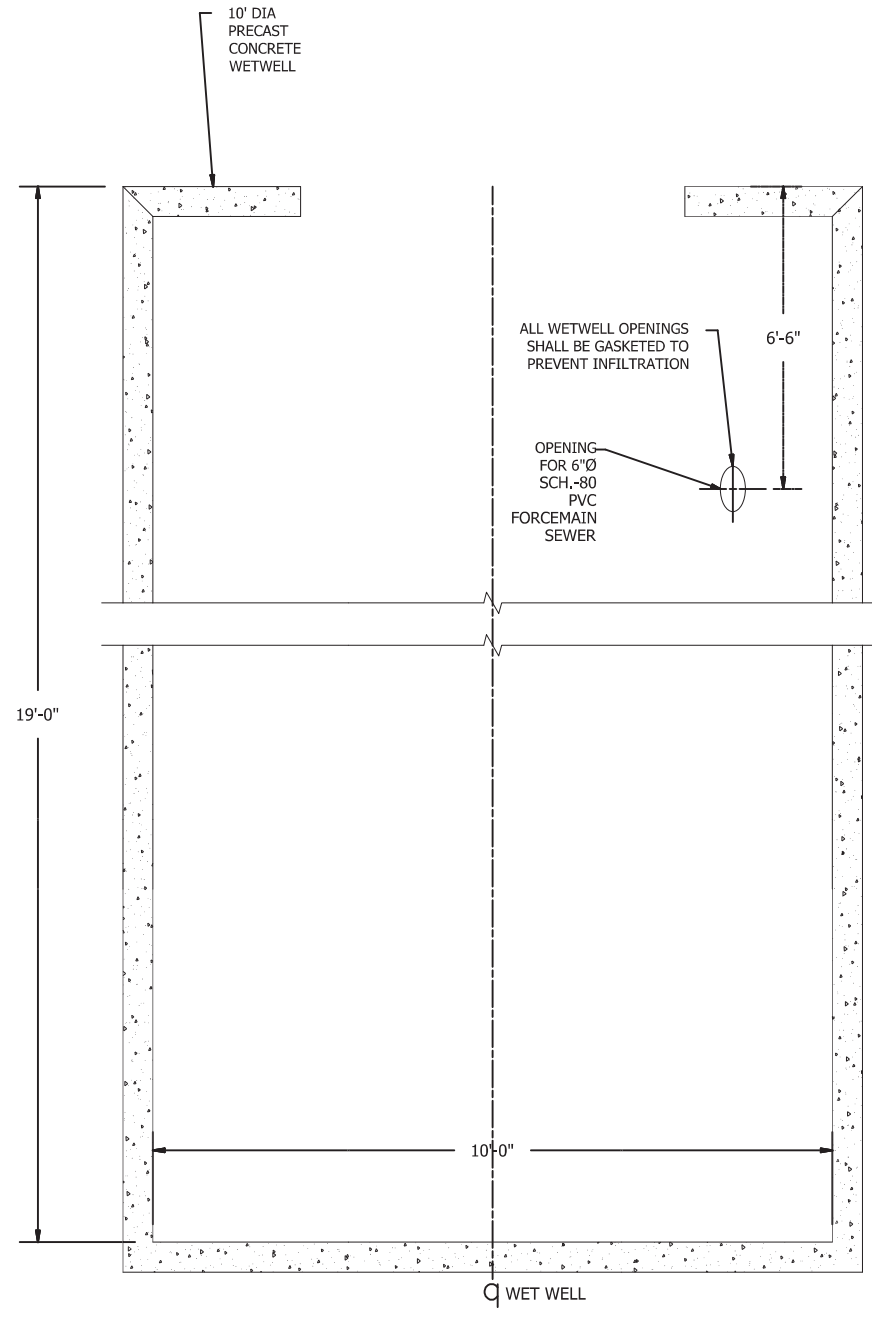
ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
MISCELLANEOUS DETAILS
 SANITARY SEWER PUMP STATION
 CONTRACT NUMBER D040965
 DRAWING NO. MSD-11 SHEET NO. 28

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.

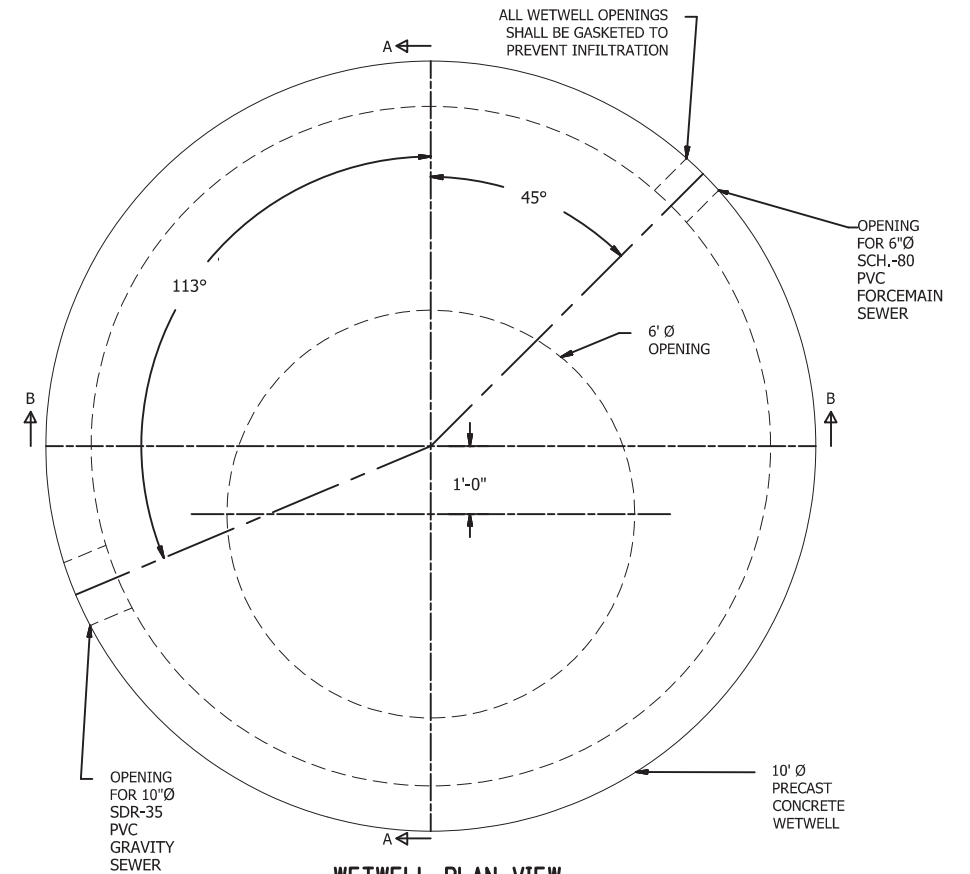
JEFFERSON COUNTY HIGHWAY DEPARTMENT



A-A SECTIONAL VIEW
(N.T.S.)



B-B SECTIONAL VIEW
(N.T.S.)



WETWELL PLAN VIEW
(N.T.S.)

NOTES:

1. THE PRECAST CONCRETE WETWELL IS SHOWN WITH APPROXIMATE DIMENSIONS FOR WALL, FLOOR AND TOP SLAB THICKNESS. THE SUPPLIER IS RESPONSIBLE FOR THE DESIGN TO ENSURE PROPER CONFORMANCE WITH ALL REQUIRED LOADING CONDITIONS. THE PUMP STATION THAT WILL BE POSITIONED ON TOP OF THE WETWELL HAS AN APPROXIMATE WEIGHT OF 4,800 LBS.
2. THE LOCATION OF THE TWO PIPE OPENINGS ARE SHOWN IN THE DRAWINGS ON THIS SHEET.
3. THE TOP SLAB OPENING IS 6'-0" IN DIAMETER, AND IS OFFSET AS SHOWN IN THE PLAN VIEW ABOVE.
4. ALL WETWELL JOINTS ARE TO HAVE O-RING GASKETS.
5. THE WETWELL SHALL BE VACUUM TESTED AFTER INSTALLATION.


AFFIX SEAL: JEROME D. MEANS ON: MARCH 5, 2024		ALTERED BY: ON:	


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS					MISCELLANEOUS DETAILS SANITARY SEWER PUMP STATION
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NEW YORK STATE CODES & STANDARDS
<ul style="list-style-type: none"> • 2020 BUILDING CODE OF NEW YORK STATE • 2020 NYS UNIFORM CODE SUPPLEMENT • LOCAL FIRE DEPARTMENT/FIRE MARSHAL • ALL OTHER LOCAL AUTHORITIES HAVING JURISDICTION
NEW YORK STATE ENERGY CODES
<ul style="list-style-type: none"> • 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE
LOCAL CODES
<ul style="list-style-type: none"> • JEFFERSON COUNTY MUNICIPAL CODE
REFERENCED STANDARDS
APPLICABLE REFERENCE STANDARDS SHALL BE AS REFERENCED BY ALL STATE AND LOCAL CODES. THE LIST BELOW IS FOR QUICK REFERENCE AND DOES NOT INCLUDE ALL APPLICABLE REFERENCE STANDARDS.
<ul style="list-style-type: none"> • 2017 NFPA 70 – NATIONAL ELECTRICAL CODE

ELECTRICAL GENERAL NOTES
<ol style="list-style-type: none"> ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE NATIONAL ELECTRIC CODE, BUILDING DEPARTMENT, BUILDING MANAGEMENT, ALL AUTHORITIES HAVING JURISDICTION, AND APPLICABLE NATIONAL, STATE, AND LOCAL CODES. LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK SHALL BE INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS. CONTRACTOR IS TO INFORM THE ENGINEER OF ANY EXISTING WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION OF LAWS AND REGULATIONS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE BY THIS CONTRACTOR AND AT NO EXPENSE TO THE OWNER. PRIOR TO SUBMISSION OF BID, THIS CONTRACTOR SHALL VISIT THE JOB SITE TO ASCERTAIN THE ACTUAL FIELD CONDITIONS AS THEY RELATED TO THE WORK AS INDICATED ON THE DRAWINGS AND DESCRIBED HEREIN. DISCREPANCIES, IF ANY, SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO SUBMISSION OF BID, AND, IF NOT RESOLVED TO SATISFACTION, SHALL BE SUBMITTED AS A WRITTEN QUALIFICATION OF THE BID. SUBMISSION OF A BID SHALL BE EVIDENCE THAT SITE VERIFICATION HAS BEEN PERFORMED AS DESCRIBED ABOVE. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK AND APPROXIMATE LOCATION OF EQUIPMENT. REFER TO PUMP STATION AND GENERAL PLAN DRAWINGS FOR ALL DIMENSIONS AND COORDINATE FINAL LOCATIONS OF SWITCHES, LIGHT FIXTURES, RECEPTACLES, ETC. WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS. IF A CONFLICT OCCURS IN THE SPECIFICATIONS AND/OR ON THE DRAWINGS, THE MORE STRINGENT SITUATION SHALL APPLY. ANY EQUIPMENT, PARTS, MATERIALS, ACCESSORIES, OR LABOR THAT IS NECESSARY FOR PROPER PERFORMANCE OF THE ELECTRICAL WORK, ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN, OR SHOWN ON THE DRAWINGS, SHALL BE FURNISHED AND INSTALLED AS IF CALLED FOR IN DETAIL WITHOUT ADDITIONAL COST. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND CONTRACTOR'S SERVICES NECESSARY FOR THE COMPLETE AND SAFE INSTALLATION OF ALL ELECTRICAL WORK. THE SCOPE OF WORK SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: <ul style="list-style-type: none"> • ELECTRICAL REQUIREMENTS SHALL BE IN CONFORMANCE WITH ENGINEERING BID DOCUMENTS AS WELL AS DOCUMENTS (SPECIFICATIONS & DRAWINGS) PREPARED BY LOCAL UTILITY COMPANY AND REFERENCED DRAWINGS IN THE UTILITY COMPANY DOCUMENTS NOT INCLUDED SHALL BE PART OF THIS CONTRACT. • CONTRACTOR SHALL COORDINATE AND ARRANGE TO RECEIVE AND/OR PICK UP SPECIFIC EQUIPMENT OUTLINED PRE-PURCHASE ITEMS. • INSTALLATION OF NEW RACEWAY AND CONDUCTORS. • TEMPORARY LIGHT AND POWER DURING CONSTRUCTION. • GROUNDING OF ALL EQUIPMENT AS REQUIRED BY CODE AND SPECIFIED. SUBMIT SHOP DRAWINGS CERTIFIED BY ALL TRADES THAT COORDINATION HAS BEEN ESTABLISHED. SUBMIT ALL CERTIFIED EQUIPMENT CUTS WITH CONSTRUCTIONS WIRING DIAGRAMS. PROVIDE DIGITAL COPIES OF ALL DRAWINGS. SPECIFIC JOB REQUIREMENTS MAY BE MORE STRINGENT AND CONTRACTOR IS RESPONSIBLE TO OBTAIN REQUIREMENTS FROM CONSTRUCTION MANAGER, GENERATOR CONTRACTOR, OR ARCHITECT. CONTRACTOR SHALL REVISE SHOP DRAWINGS TO CONFORM TO RECORD DRAWINGS AND SUBMIT AN AS-BUILT CONDITION (DEVICES, EQUIPMENT, CIRCUITRY, ETC.) DRAWINGS UPON COMPLETION OF THE PROJECT. FINAL SUBMISSION OF REPRODUCIBLE AS-BUILT DRAWINGS ARE TO BE SIGNED AND CERTIFIED BY THE INSTALLING CONTRACTOR THAT THIS IS AS-BUILT CONDITION OF THE WORK.

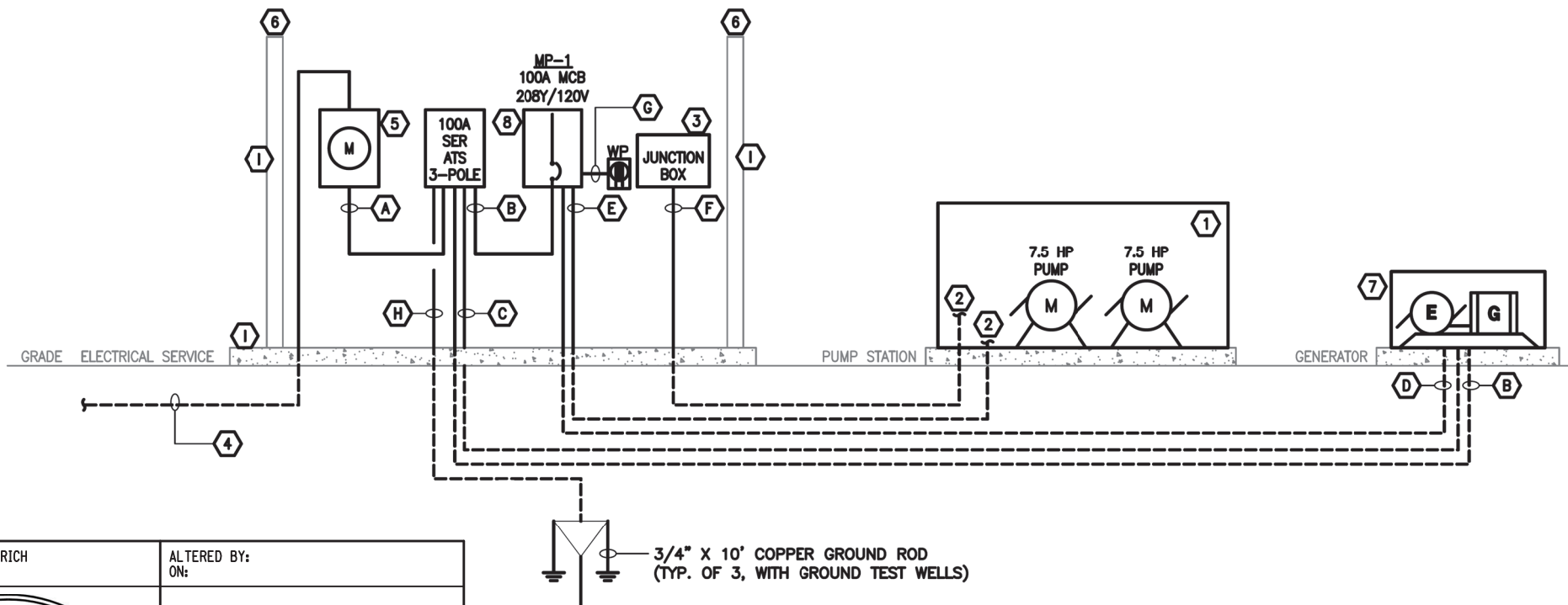
<ol style="list-style-type: none"> NO SUBSTITUTE MATERIAL OR MANUFACTURER OF EQUIPMENT SHALL BE PERMITTED WITHOUT A FORMAL WRITTEN SUBMITTAL TO THE ENGINEER WHICH INCLUDES ALL DIMENSION, PERFORMANCE, AND MATERIAL SPECIFICATIONS. ANY CHANGES IN LAYOUT, ELECTRICAL CHARACTERISTICS, STRUCTURAL REQUIREMENTS, OR DESIGN DUE TO THE USE OF A SUBSTITUTION SHALL BE SUBMITTED TO THE ENGINEER AS PART OF THIS PROPOSAL. THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR THE SUBSTITUTION AND ALL CHANGES RESULTING FROM SUBSTITUTION. DISCONNECTS SHALL BE 'QUICK-BREAK' HEAVY DUTY TYPE IN NEMA 3R ENCLOSURE FUSED OR UN-FUSED AS INDICATED ON THE DRAWINGS. FUSES FOR SWITCHES SHALL BE CURRENT LIMITING TYPE WITH AN INTERRUPTING CAPACITY OF 200,000 RMS AMPERES AND OF THE CONTINUOUS CURRENT RATING AS SHOWN ON THE DRAWINGS. ALL CONDUCTORS SHALL BE COPPER, TYPE XHHW-2 INSULATED. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION, UNLESS OTHERWISE NOTED. UNLESS SPECIFIED ALL WIRE #10 AWG AND SMALLER SHALL BE SOLID CONDUCTORS AND 8 AWG AND LARGER SHALL BE STRANDED. PULL BOXES, JUNCTION BOXES, AND OUTLET BOXES SHALL BE MANUFACTURED FROM GALVANIZED INDUSTRY STANDARD SHALL STEEL. PROVIDE PULL BOXES AND JUNCTION BOXES IN LONG STRAIGHT RUNS OF RACEWAY TO ASSURE THAT CABLES ARE NOT DAMAGED WHEN THEY ARE PULLED, TO FULFILL REQUIREMENTS AS TO THE NUMBER OF BENDS PERMITTED IN RACEWAY BETWEEN CABLE ACCESS POINTS, THE ACCESSIBILITY OF CABLE JOINTS AND SPLICES, AND THE APPLICATION OF CABLE SUPPORTS. PULL BOXES AND JUNCTION BOXES SHALL BE SIZED SO THAT THE MINIMUM BENDING RADIUS CRITERIA SPECIFIED FOR THE WIRES AND CABLE ARE MAINTAINED. ALL EQUIPMENT, DEVICE BOXES, JUNCTION BOXES, PULL BOXES, AND OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO THE BOX. IF NECESSARY AND APPROVED BY OWNER/ENGINEER, PROVIDE ACCESS DOOR OR COVER PLATES IN AREAS WHERE UNOBSTRUCTED ACCESS IS NOT POSSIBLE. PROVIDE PRICING FOR EXTENDED WARRANTIES (2-5 YEARS) FOR THE SYSTEMS NOTED ON THE ELECTRICAL DRAWINGS AND SPECIFICATIONS. PROVIDE PRICING FOR WARRANTIES BEYOND 5-YEARS WHERE POSSIBLE.
--

AFFIX SEAL: TYLER RICH ON: MARCH 5, 2024	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS					MISCELLANEOUS DETAILS ELECTRICAL COVER SHEET
	COUNTY: JEFFERSON	REGION: 7				DRAWING NO. MSD-13 SHEET NO. 30
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.					JEFFERSON COUNTY HIGHWAY DEPARTMENT	

PANEL DESIGNATION : MP-1			
VOLTAGE	208Y/120 V	NEUTRAL	100%
PHASE	3 Ø	SCC RATING (SYM)	42 K.A.I.C.
WIRE	4 W + G	QUANTITY OF POLES	12
SURFACE MOUNTED	<input checked="" type="checkbox"/>	MAIN CIRCUIT BREAKER	100 A
FEED THROUGH LUGS	<input type="checkbox"/>	MAIN BUS	100 A
REMARKS :	<input type="text"/>		
	NEMA 3R ENCLOSURE	<input checked="" type="checkbox"/>	GROUND BUS
			<input checked="" type="checkbox"/>

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1			7012			GENERATOR BATTERY CHARGER	20A	2
3	80A	PUMP STATION (SEE RISER DIAGRAM)		7312		GENERATOR BLOCK HEATER	20A	4
5					5992	CONV. REC.	20A	6
7	20A	PUMP STATION CONTROLS	600			SPARE	20A	8
9	20A	SPARE		0		SPARE	20A	10
11	20A	SPARE			0	SPARE	20A	12
TOTAL CONNECTED LOAD PER PHASE (kVA)			7.61	7.31	5.99			
TOTAL CONNECTED LOAD			20.92 KVA		58.1 A			
TOTAL DEMAND LOAD			20.92 KVA		58.1 A			



POWER RISER NOTES:

- ELECTRICAL CONTRACTOR SHALL ENGAGE THE LOCAL UTILITY CO. NATIONAL GRID DURING CONSTRUCTION TO COORDINATE THE REQUIREMENTS FOR ELECTRICAL SERVICE.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL COMPLY WITH NATIONAL GRID'S SPECIFICATIONS FOR ELECTRICAL SERVICE, THE NATIONAL ELECTRICAL CODE, AND ALL APPLICABLE STATE AND LOCAL CODES.
- ELECTRICAL CONTRACTOR SHALL SUBMIT METERING EQUIPMENT SHOP DRAWING SUBMITTALS TO THE LOCAL UTILITY CO. NATIONAL GRID FOR REVIEW AND APPROVAL.
- ALL CONDUCTORS SHALL BE COPPER INSULATION TYPE XHHW-2 AND ALL CONDUIT SHALL BE RIGID GALVANIZED STEEL (RGS) WHERE EXPOSED AND PVC SCH. 80 BELOW GRADE.
- BURIAL DEPTHS FOR CONDUIT ROUTING BELOW GRADE SHALL BE PER NEC TABLE 300.5. BURIAL DEPTHS FOR SERVICE CONDUITS ON THE LINE SIDE OF THE SERVICE DISCONNECT SHALL BE PER THE LOCAL UTILITY CO. STANDARD REQUIREMENTS.
- ELECTRICAL EQUIPMENT, ENCLOSURES, COVERS, AND DEVICES SHALL BE SUITABLE FOR USE IN WET LOCATIONS.
- ELECTRICAL EQUIPMENT SHALL BE PEDESTAL MOUNTED WITH UNISTRUT ON CONCRETE PAD. PROVIDE SHOP DRAWING SUBMITTAL WITH SCHEMATIC LAYOUT OF EQUIPMENT IN PLAN AND ELEVATION VIEW FOR ENGINEER'S REVIEW.
- ALL RGS CONNECTIONS SHALL HAVE GROUND BUSHINGS WITH BONDING JUMPER CONNECTED TO EQUIPMENT ENCLOSURES SIZED/AFFIXED PER NEC ARTICLE 250.

POWER RISER KEY NOTES:

- SELF CONTAINED PUMP STATION, WHICH IS TO INCLUDE ALL MAIN EQUIPMENT, BRANCH WIRING, AND GROUNDING/BONDING. NOTE, ELECTRICAL CONTRACTOR TO COORDINATE SEPARATION BETWEEN NEUTRAL AND GROUND SYSTEM IN PUMP STATION MAIN TERMINATION EQUIPMENT PER NEC ARTICLE 250 FOR REMOTE BUILDINGS.
- CIRCUIT TERMINATIONS TO PUMP STATION BY ELECTRICAL CONTRACTOR. COORDINATE EXACT INSTALLATION REQUIREMENTS WITH MANUFACTURER.
- PROVIDE JUNCTION BOX AT SERVICE EQUIPMENT PEDESTAL FOR FUTURE CONNECTION OF TELECOMMUNICATIONS SERVICES.
- SERVICE CONDUCTORS IN DIRECT BURIAL 2" RGS CONDUIT TO UTILITY CO. POINT OF SERVICE SUPPLY, ELECTRICAL CONTRACTOR SHALL COORDINATE WITH NATIONAL GRID DURING CONSTRUCTION FOR EXACT INSTALLATION REQUIREMENTS
- NEW UTILITY METER, PER NATIONAL GRID'S REQUIREMENTS, FOR THE DESIGNED 100A, 208Y/120V, 3-PH, 4W+G SERVICE.
- STRUCTURAL POSTS FOR MOUNTING ELECTRICAL EQUIPMENT VIA UNISTRUT, SHOWN FOR REFERENCE ONLY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE STRUCTURAL MOUNTING OF ELECTRICAL EQUIPMENT AND SHALL RETAIN OWN NYS LICENSED ENGINEER TO DESIGN SYSTEM.
- PROVIDE NEW 25KW 208Y/120V DIESEL GENERATOR, BASIS OF DESIGN **GENERAC #SD025T**:
 - UPSIZED 35KW ALTERNATOR
 - LEVEL 2 SOUND ATTENUATED STEEL ENCLOSURE
 - 130-GALLON FUEL OIL BASE TANK
 - 100A/3P MAIN LINE CIRCUIT BREAKER
 SEE GENERATOR SPECIFICATION FOR ADDITIONAL INFORMATION.
- PROVIDE NEW 100A 208Y/120V 3-POLE AUTOMATIC TRANSFER SWITCH (ATS), BASIS OF DESIGN **GENERAC #TX301**:
 - 150A RATED FOR MIN. 42KAIC RATING
 - 100A MAIN SERVICE CIRCUIT BREAKER
 - SERVICE ENTRANCE RATED, TYPE 3R
 SEE ATS SPECIFICATION FOR ADDITIONAL INFORMATION.

POWER RISER FEEDER SCHEDULE:

- A (4)#2 IN 1-1/2" C
- B (4)#2 + (1)#6GND IN 1-1/2" C
- C (6)#14 CONTROL WIRE IN 1" C
- D (3)#12 + (1)#12GND IN 1" C FOR GENERATOR BATTERY CHARGER AND BLOCK HEATER.
- E (3)#3 (MOTOR) + (2)#10 (CONTROL) + (1)#8GND IN 1-1/2" C
- F (1) 1-1/2" C WITH (3) DRAG LINES FOR FUTURE TELECOM.
- G (2)#12 + (1)#12 IN 3/4" C
- H (1)#8 GROUNDING ELECTRODE CONDUCTOR IN 1" C
- I (1)#8 BONDING JUMPER IN 1" C, TO REBAR IN CONCRETE PAD AND METAL SUPPORT STRUCTURES, WHERE REQUIRED PER NEC ARTICLE 250.

AFFIX SEAL: TYLER RICH
 ON: MARCH 5, 2024

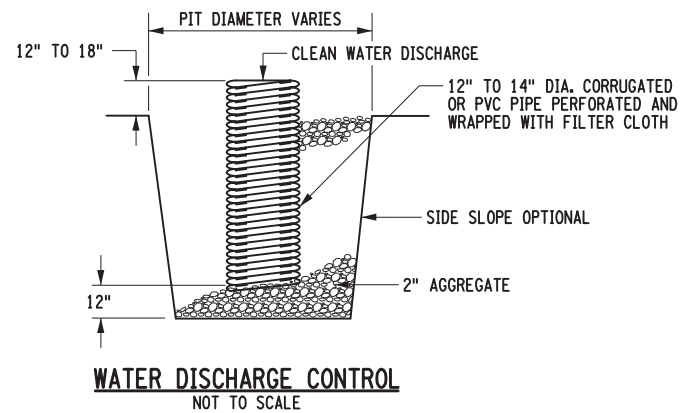
ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	7753.77	3371810			
	COUNTY: JEFFERSON	REGION: 7			JEFFERSON COUNTY HIGHWAY DEPARTMENT	DRAWING NO. MSD-14 SHEET NO. 31
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.						



GENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR IS ADVISED THAT ALL THEIR WORK SHALL CONFORM TO USACE SECTION 404, NWP NO. 3 (MAINTENANCE) AND NO. 14 (TRANSPORTATION) AND NYSDEC SECTION 401 WATER QUALITY CERTIFICATION TO ENSURE WATER QUALITY IS MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
2. THE ELEMENTS ON THIS DRAWING KNOWN AS "EROSION AND SEDIMENT CONTROL PLAN" SHALL BE USED DURING CONSTRUCTION IN ANY AREA WHERE FINE MATERIALS MAY ENTER THE WATERS OF THE STATE OF NEW YORK.
3. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF ANY APPLICABLE N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION WATER QUALITY CERTIFICATION AND/OR FRESHWATER WETLANDS PERMIT INCLUDED BUT NOT LIMITED TO ARMY CORPS OF ENGINEERS.
4. ALL METHODS AND EQUIPMENT PROPOSED BY THE CONTRACTOR TO ACCOMPLISH THE WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER IN CHARGE.
5. AT THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE ENGINEER IN CHARGE HIS WRITTEN SCHEDULE AND PROPOSED MEASURES FOR TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL WORK AND SCHEDULE OF OPERATIONS AS REQUIRED BY SECTION 209 OF THE NYS DOT STANDARD SPECIFICATIONS.
6. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT CONTAMINATION OF ANY STREAM OR WATERWAY BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE LEACHATE OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION AND CONSTRUCTION PROCEDURES.
7. THE TEMPORARY SOIL EROSION AND SEDIMENT CONTROL DEVICES SPECIFIED IN THIS CONTRACT SHALL BE CHECKED AND REPAIRED AS NECESSARY, ON A WEEKLY BASIS AND AFTER EACH STORM EVENT. PERIODIC CLEANING OF THE SOIL EROSION AND SEDIMENT CONTROL DEVICES WILL BE NECESSARY, A.O.B.E.
8. ALL STORM DRAINAGE OUTLETS SHALL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
9. CONTRACTOR SHALL PROVIDE CONCRETE TRUCK WASHOUT SITES, A.O.B.E. THESE SITES SHALL BE LOCATED AWAY FROM ANY STREAMS OR WETLANDS. THE AREA SHALL BE RINGED BY SILT FENCE AND ALL CONCRETE MATERIAL SHALL BE CLEANED OUT ON A REGULAR BASIS.
10. ANY DEBRIS OR EXCESS MATERIALS FROM CONSTRUCTION SHALL BE IMMEDIATELY AND COMPLETELY REMOVED FROM THE BED AND BANKS OF ALL WATER AREAS TO APPROVED UPLAND AREAS FOR DISPOSAL.
11. THE COST OF INSTALLING, CLEANING AND REMOVING TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE PAID FOR UNDER THE ITEMS SHOWN.
12. ALL CONTROL MEASURES SHALL BE PLACED PRIOR TO STARTING EARTH WORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE NEW SLOPES ARE STABILIZED WITH SEED AND/OR SLOPE PROTECTION MATERIALS, A.O.B.E.
13. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES. STORM WATER FROM DISTURBED AREAS MUST PASS THROUGH SILTATION FENCE BEFORE DISCHARGE BEYOND DISTURBED AREAS OR INTO INLETS OF OTHER DRAINAGE SYSTEMS.
14. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES OR WATER COURSES.
15. ALL AREAS OF SOIL DISTURBANCES RESULTING FROM THIS PROJECT SHALL BE SEEDED WITH AN APPROVED PERENNIAL GRASS SEED AND MULCHED WITH STRAW WITHIN ONE WEEK OF FINAL GRADING. IF CONSTRUCTION ACTIVITIES ARE DISCONTINUED IN AREAS OF SOIL DISTURBANCES BEFORE FINAL GRADING IS COMPLETE, TEMPORARY GRADING SHALL ALSO BE SEEDED AND MULCHED A.O.B.E. MULCH SHALL BE MAINTAINED UNTIL A SUITABLE COVER IS ESTABLISHED.
16. OTHER EROSION CONTROL MEASURES MAY BE REQUIRED A.O.B.E. IN ADDITION TO SCHEMES SHOWN. PAYMENT FOR ADDITIONAL WORK SHALL BE PAID UNDER THE APPROPRIATE ITEM IN THE CONTRACT.
17. ENCLOSE ANY TEMPORARY STOCKPILES OF TOPSOIL OR FILL WITH SILT FENCE TO PREVENT EROSION OF THE PILE. ALL SILT FENCE SHALL BE INSTALLED ON THE CONTOUR WITH A GRADE OF 2% OR LESS. STOCKPILES EXPOSED FOR LONGER THAN TWO WEEKS SHALL BE STABILIZED WITH A TEMPORARY SEEDING OR GROUND COVER.
18. THE LOCATIONS OF EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED IN THE CONTRACT DOCUMENTS MAY REQUIRE FIELD ADJUSTMENT DEPENDING ON THE SEQUENCE OF CONSTRUCTION ACTIVITIES, CONSTRUCTION METHODS, AND/OR ACTUAL FIELD CONDITIONS. THE ENGINEER SHALL BE NOTIFIED OF ANY SIGNIFICANT FIELD CHANGES TO THE EROSION AND SEDIMENT CONTROL MEASURES INDICATED IN THE CONTRACT DOCUMENTS.
19. TYPICALLY, THE SILT FENCE SHALL BE INSTALLED ALONG EXISTING/PROPOSED CONTOUR LINES.
20. THE CONTRACTOR SHALL COMPLY WITH THE NYS DOT STANDARD SHEET, DETAIL WITHIN THE CONTRACT DOCUMENTS, AND MANUFACTURER INSTALLATION GUIDE WHEN INSTALLING EROSION, AND SEDIMENT CONTROL MEASURES OR A.O.B.E.
21. IT IS ANTICIPATED THAT THE FLOW VELOCITIES WILL EXCEED 5 FT/SEC. AND THAT REDIRECTION BARRIERS WILL BE REQUIRED IN ACCORDANCE WITH SPECIFICATION 209.1501.
22. OPEN CUT OPERATIONS WITHIN THE STREAM BED FOR THE PURPOSE OF INSTALLING THE PROPOSED WATER AND SANITARY SEWER CROSSINGS BELOW WEST CREEK SHALL BE CONDUCTED IN THE DRY. TYPE II COFFERDAMS SHALL BE PLACED UPSTREAM AND DOWN STREAM OF THE PROPOSED WORK LOCATION. STREAM FLOW SHALL BE PUMPED AROUND THE WORK LOCATION.

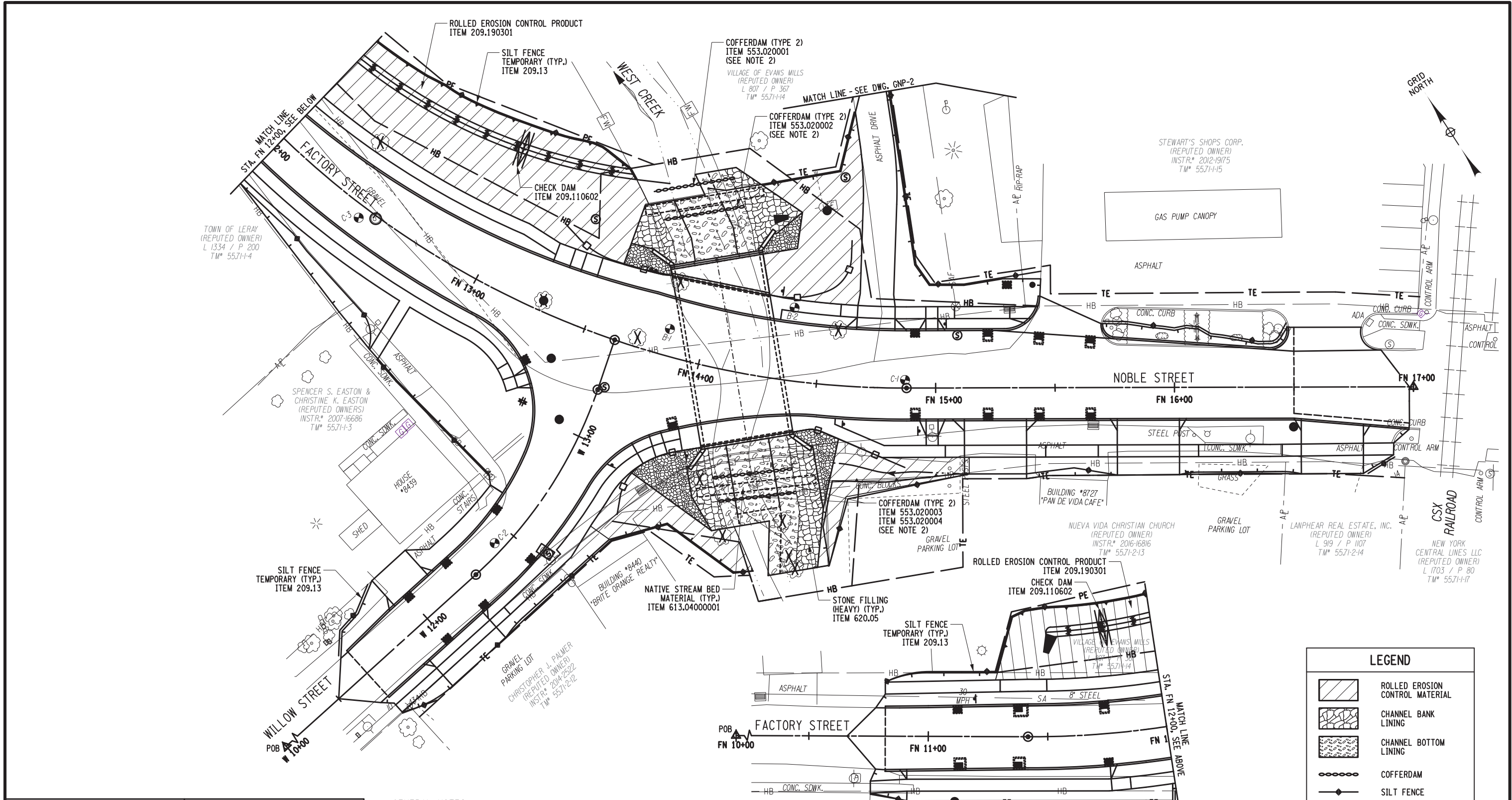


DETAIL NOTES:

1. THIS DETAIL IS OFFERED AS A SUGGESTION TO THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT DETAILS ON PROPOSED WATER DISCHARGE CONTROL TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING WITH WORK.
2. PIT DIMENSIONS ARE OPTIONAL.
3. A BASE OF 2" AGGREGATE SHOULD BE PLACED IN THE PIT TO A DEPTH OF 12". AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE SHOULD BE BACKFILLED WITH 2" AGGREGATE.
4. THE STANDPIPE SHOULD EXTEND 12" TO 18" ABOVE THE LIP OF THE PIT.
5. THE STANDPIPE SHOULD BE WRAPPED WITH FILTERCLOTH BEFORE INSTALLATION. IF DESIRED 1/4" TO 1/2" HARDWARE CLOTH MAY BE PLACED AROUND THE STANDPIPE PRIOR TO ATTACHING THE FILTERCLOTH. THIS WILL INCREASE THE RATE OF WATER SEEPAGE INTO THE PIPE.
6. THE COST FOR THE APPROVED WATER DISCHARGE CONTROL MEASURES SHOULD BE INCLUDED IN THE COST OF THE COFFERDAM ITEMS.
7. IF DISCHARGE IS NOT CLEAN, THE CONTRACTOR WILL HAVE TO PROVIDE A SEDIMENTATION BASIN. SEDIMENTATION DETAILS WILL HAVE TO BE APPROVED BY THE ENGINEER PRIOR TO USE.

AFFIX SEAL: SEAN W. MILLER ON: MARCH 5, 2024	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS				EROSION & SEDIMENT CONTROL PLAN NOTES AND DETAIL	DRAWING NO. ECP-1 SHEET NO. 32
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.					JEFFERSON COUNTY HIGHWAY DEPARTMENT	



LEGEND

- ROLLED EROSION CONTROL MATERIAL
- CHANNEL BANK LINING
- CHANNEL BOTTOM LINING
- COFFERDAM
- SILT FENCE



- GENERAL NOTES:**
- SEE THE BRIDGE PLANS (ST DWGS.) FOR ADDITIONAL INFORMATION ON BIN 3371810.
 - COFFERDAMS INDICATED ON THIS DRAWING ARE REQUIRED TO COMPLETE UTILITY WORK. SEE DWG. ST-6 FOR THE LOCATIONS OF THE TYPE 2 COFFERDAMS FOR THE BRIDGE RELATED WORK.

AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

NOBLE STREET OVER WEST CREEK	PIN	BRIDGES	CULVERTS
VILLAGE OF EVANS MILLS	7753.77	3371810	
COUNTY: JEFFERSON	REGION: 7		

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.

AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

EROSION & SEDIMENT CONTROL PLAN

CONTRACT NUMBER
 D040965

DRAWING NO. ECP-2
 SHEET NO. 33

JEFFERSON COUNTY
 HIGHWAY DEPARTMENT

FILE NAME = U:\192808\086\Transportation\Design - Highway\Drawing\Plan Set\34-GNP-1.dgn
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 USER = kalberts

DESIGN SUPERVISOR J. HOFMANN

JOB MANAGER S. MILLER

DESIGN B. OLSEN

CHECK B. WALKER

DRAFTING S. ROMEISER

CHECK B. WALKER

PROJECT MANAGER T. BUTLER

RIGHT OF WAY NOTES:

- ALL WORK TO BE PERFORMED UNDER THIS CONTRACT WILL BE WITHIN THE PUBLIC RIGHT-OF-WAY (ROW) IN ACCORDANCE WITH SECTION 105-15 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR IS TO ASSURE HIMSELF THAT ALL WORK IS BEING PERFORMED WITHIN THE ROW, INCLUDING BUT NOT LIMITED TO VEHICLE ACCESS; STORAGE OF EQUIPMENT, MATERIALS, DEBRIS AND WASTE; LANDSCAPING; VEGETATION REMOVAL AND MANAGEMENT; GRADING, SEEDING AND INSTALLATION OF TURF; AND THE INSTALLATION OF ANY FENCES OR PROTECTIVE BARRIER.
- IF CONTRACTOR IS UNABLE TO IDENTIFY THE LIMITS OF THE RIGHTS-OF-WAY WHEN THE CONTRACT CALLS FOR WORK IN THOSE VICINITIES, THE CONTRACTOR MUST CONTACT THE PROJECT ENGINEER FOR DEFINITIVE BOUNDARY DETERMINATIONS BEFORE ANY WORK MAY BE INITIATED AT THOSE LOCATIONS (STANDARD SPECIFICATIONS SECTIONS 105-10 AND 625).
- IN ACCORDANCE WITH SECTION 107-13 OF THE STANDARD SPECIFICATIONS, RELEASES FOR ANY NON-ESSENTIAL CONTRACT WORK OUTSIDE OF THE EXISTING RIGHTS-OF-WAY, INCLUDING PLANTINGS, LANDSCAPING OR DRIVEWAY REMOVAL OR ENHANCEMENT, WILL BE PROVIDED BY THE PROJECT ENGINEER AND IN NO INSTANCE ARE TO BE SECURED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT INVADE UPON PRIVATE PROPERTIES, LANDS OR BUILDINGS OUTSIDE OF THE RIGHTS-OF-WAY FOR ANY REASON WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE PROPERTY OWNER (STANDARD SPECIFICATIONS SECTION 107-08 AND 107-13).
- THE CONTRACTOR WILL BE HELD LIABLE FOR ANY DAMAGES DONE. ANY SUCH INJURIES OR DAMAGES SHALL BE SATISFACTORILY REPAIRED OR ITEMS REPLACED AT THE CONTRACTOR'S EXPENSE (STANDARD SPECIFICATIONS SECTION 107-08 AND 107-13).

GENERAL NOTES:

- SEE GUIDE RAIL TABLE ON DWG. MST-1 FOR ADDITIONAL INFORMATION ON NEW BOX BEAM GUIDE RAILING.
- SEE THE BRIDGE PLANS (ST DWGS.) FOR ADDITIONAL INFORMATION ON BIN 3371810.
- SEE THE SURVEY CONTROL SHEET (DWG. SCS-1) FOR ADDITIONAL INFORMATION ON THE HORIZONTAL ALIGNMENT, SURVEY BASELINE, AND BENCHMARKS.
- SEE THE EROSION AND SEDIMENT CONTROL PLAN (DWG. ECP-2) FOR ADDITIONAL INFORMATION ON EROSION AND SEDIMENT CONTROL FOR THIS PROJECT.
- SEE THE SIGNING AND PAVEMENT MARKING PLAN (DWG. SPM-1) FOR ADDITIONAL INFORMATION ON ROADWAY SIGNAGE AND PAVEMENT MARKING LAYOUT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY DIG SAFELY - NEW YORK FOR ALL UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY EXCAVATION.
- ALL SUBSURFACE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE USED FOR PRELIMINARY ENGINEERING ONLY.
- UTILITY INFORMATION HAS BEEN PLOTTED FROM AVAILABLE SOURCES AND THEIR PURPOSE, LOCATIONS AND SIZE SHOULD BE CONSIDERED APPROXIMATE ONLY.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT UTILITY LOCATIONS, SIZES, AND ELEVATIONS PRIOR TO COMMENCING CONSTRUCTION. IF UNCHARTED OR MISPLOTTED UTILITIES ARE ENCOUNTERED, THE CONTRACTOR IS REQUIRED TO NOTIFY THE OWNER IMMEDIATELY.
- PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF SURVEY CONTROL POINTS USED IN THE VERTICAL AND HORIZONTAL POSITIONING OF DESIGNED IMPROVEMENTS AND FOR IMMEDIATELY NOTIFYING THE E.I.C. OF ANY DISCREPANCIES FOUND.

AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

NOBLE STREET OVER WEST CREEK

VILLAGE OF EVANS MILLS

PIN
 7753.77

UTILITY QUALITY LEVEL 'D'

BRIDGES
 3371810

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

GENERAL PLAN

CONTRACT NUMBER
 D040965

DRAWING NO. GNP-1
 SHEET NO. 34

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.

JEFFERSON COUNTY
 HIGHWAY DEPARTMENT



TOWN OF LERAY
 (REPUTED OWNER)
 L 1334 / P 200
 TM# 5571-H4

CONCRETE CURB TYPE VF6
 ITEM 609.0401 (TYP.)
 5' CONCRETE SIDEWALK
 ITEM 608.0101 (TYP.)

SPENCER S. EASTON &
 CHRISTINE K. EASTON
 (REPUTED OWNERS)
 INSTR# 2007-16686
 TM# 5571-H3

END TAPER, LT.
 STA. W 11+90.50

END MILLING, LT. & RT.
 BEGIN FULL DEPTH
 RECONSTRUCTION, LT. & RT.
 BEGIN CURB, LT. & RT.
 BEGIN SIDEWALK, RT.
 STA. W 11+66.00
 (MATCH TO EXISTING)

WILLOW STREET
 W 10+00
 S 4°17'01" E

BEGIN PAVEMENT REBATE
 STA. W 11+50.00

4' CONCRETE SIDEWALK
 TO UTILITY POLE NG 19
 5' CONCRETE SIDEWALK
 ITEM 608.0101 (TYP.)

CONCRETE CURB TYPE VF6
 ITEM 609.0401 (TYP.)

BEGIN PAVEMENT REBATE
 STA. FN 10+66.00

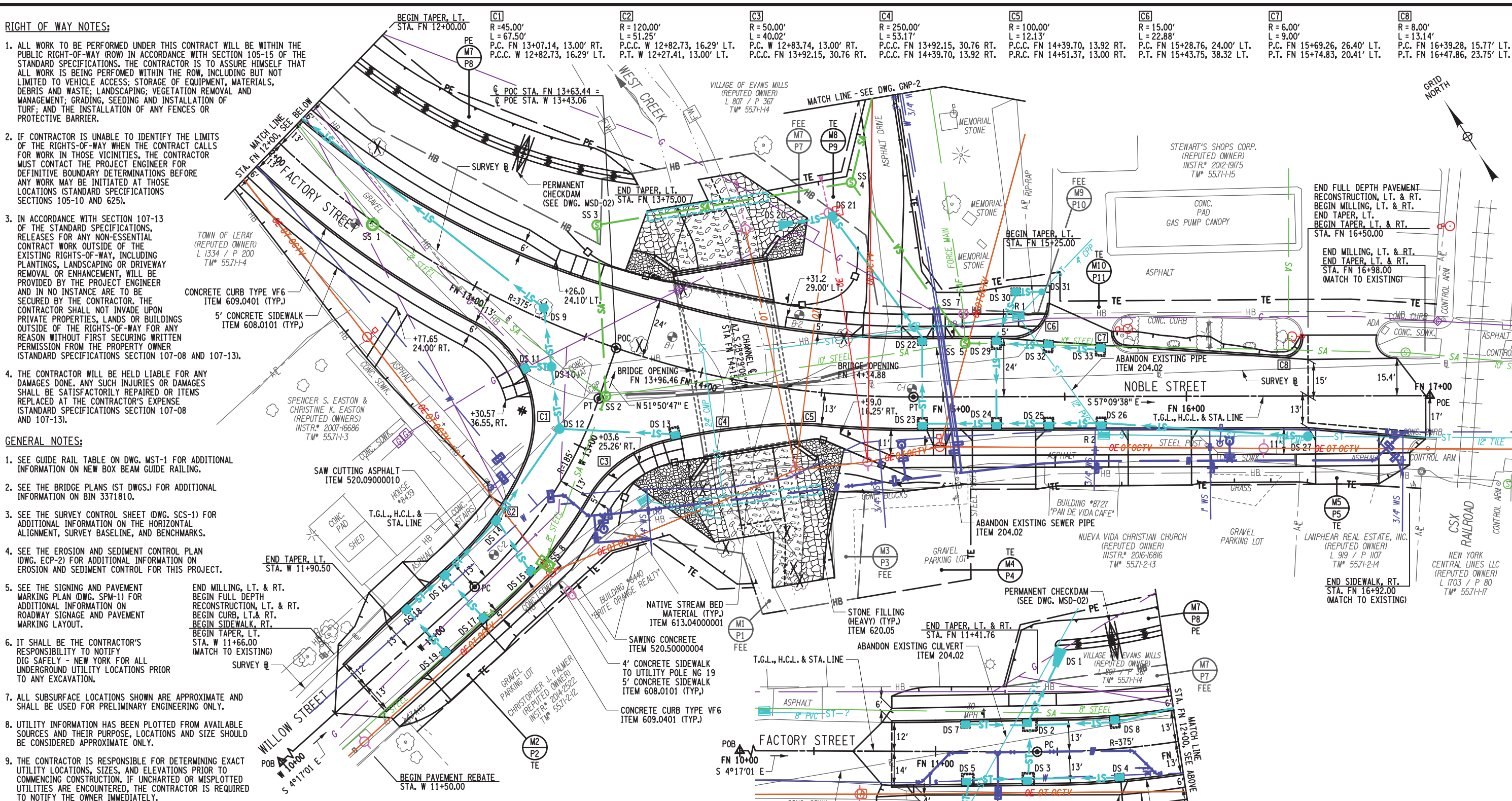
BEGIN SIDEWALK, RT.
 STA. FN 10+76.00
 (MATCH TO EXISTING)

END MILLING, LT. & RT.
 BEGIN CURB, LT. & RT.
 BEGIN SIDEWALK, LT.
 BEGIN TAPER, LT. & RT.
 STA. FN 10+82.00
 (MATCH EXISTING)

END TAPER, LT. & RT.
 STA. FN 11+41.76

TOWN OF LERAY
 (REPUTED OWNER)
 L 1334 / P 200
 TM# 5571-H4

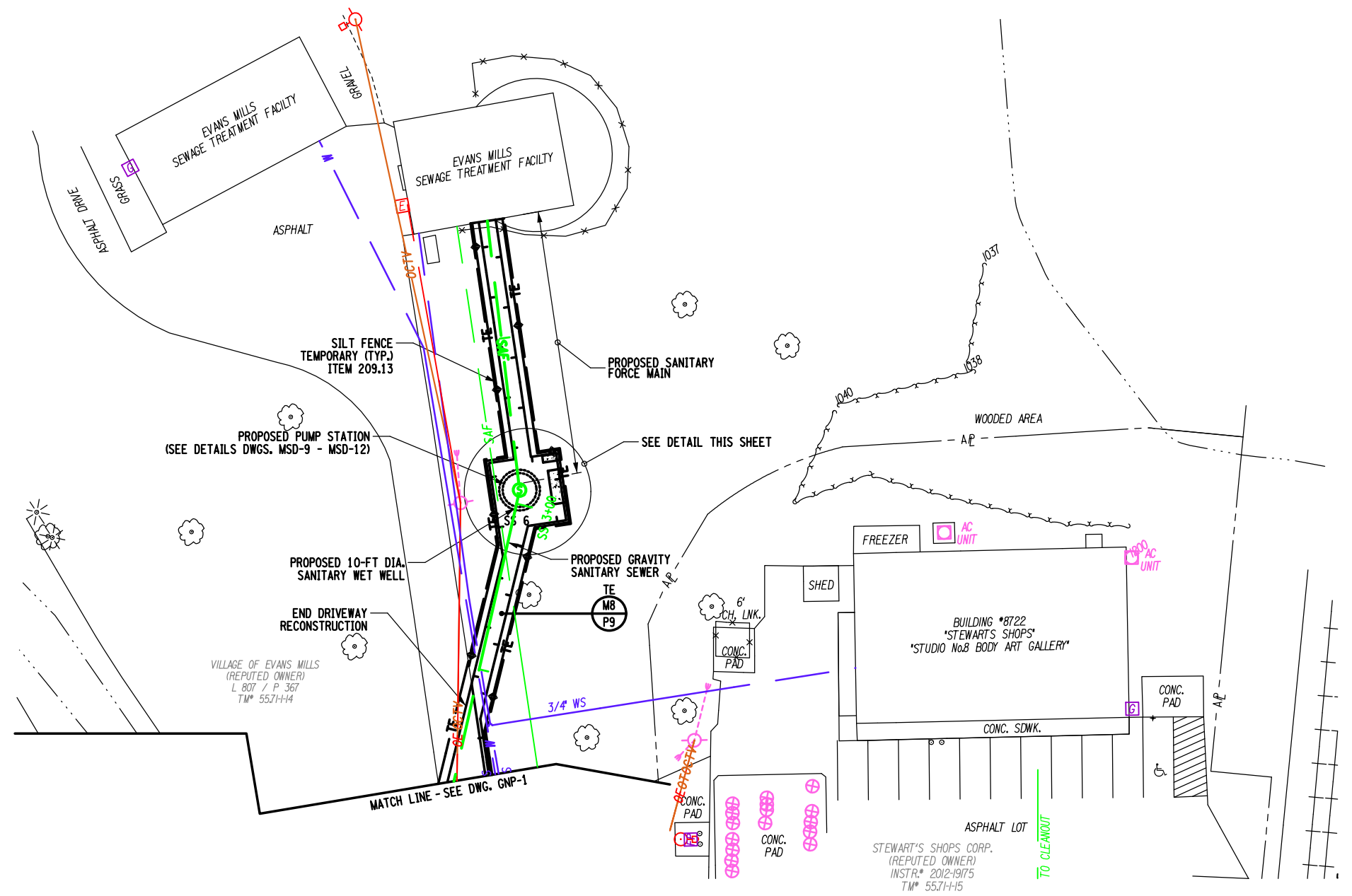
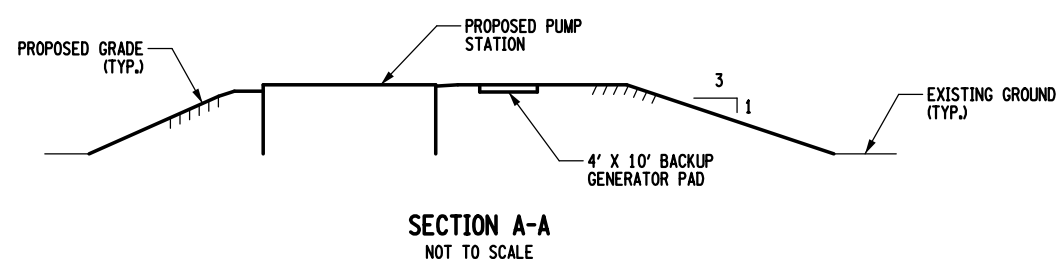
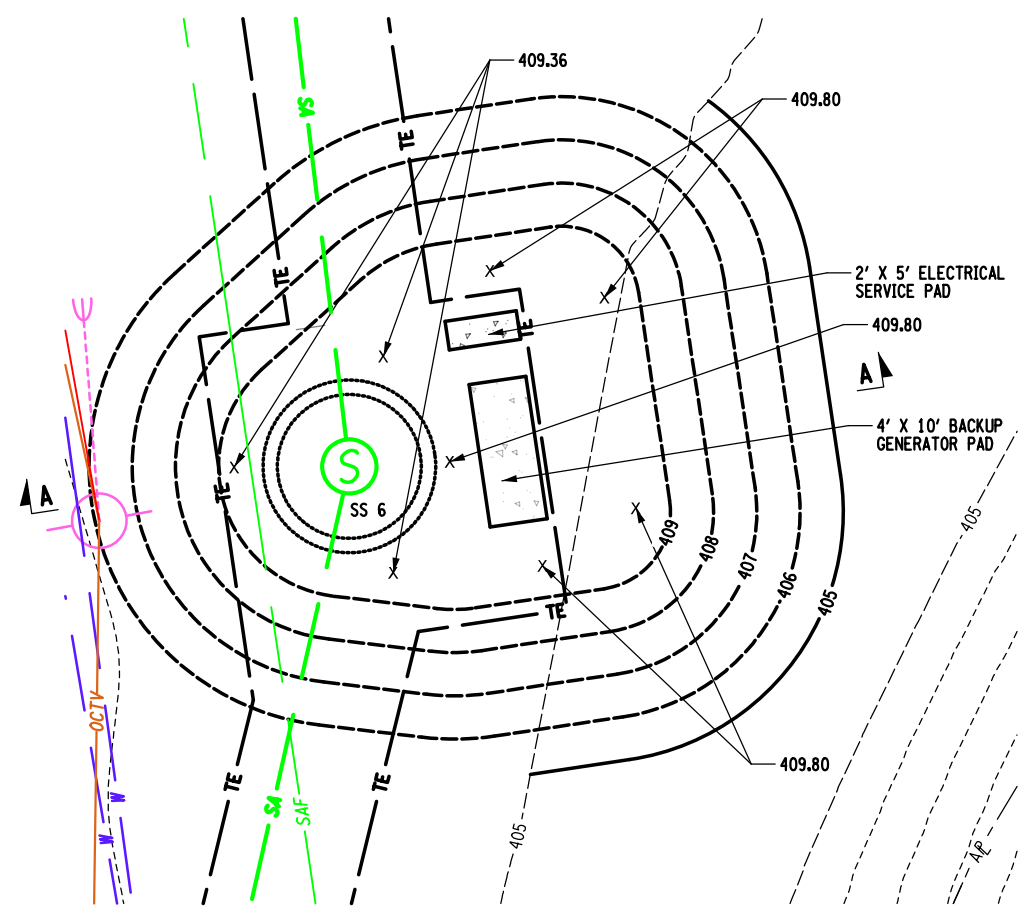
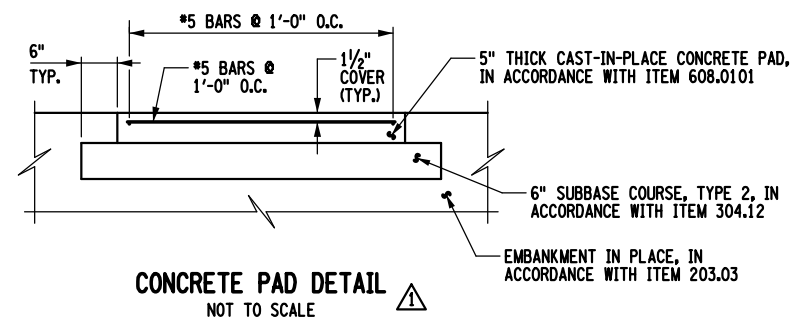
5' CONCRETE SIDEWALK
 ITEM 608.0101 (TYP.)
 CONCRETE CURB TYPE VF6
 ITEM 609.0401 (TYP.)
 SAW CUTTING ASPHALT
 ITEM 520.09000010



[C1] R = 45.00' L = 67.50' P.C. FN 13+07.14, 13.00' RT. P.C.C. W 12+82.73, 16.29' LT.	[C2] R = 120.00' L = 51.25' P.C.C. W 12+82.73, 16.29' LT. P.T. W 12+27.41, 13.00' LT.	[C3] R = 50.00' L = 40.02' P.C. W 12+83.74, 13.00' RT. P.C.C. FN 13+92.15, 30.76 RT.	[C4] R = 250.00' L = 53.17' P.C.C. FN 13+92.15, 30.76 RT. P.C.C. FN 14+39.70, 13.92 RT.	[C5] R = 100.00' L = 12.13' P.C.C. FN 14+39.70, 13.92 RT. P.R.C. FN 14+51.37, 13.00 RT.	[C6] R = 15.00' L = 22.88' P.C. FN 15+28.76, 24.00' LT. P.T. FN 15+43.75, 38.32 LT.	[C7] R = 6.00' L = 9.00' P.C. FN 15+69.26, 26.40' LT. P.T. FN 15+74.83, 20.41' LT.	[C8] R = 8.00' L = 13.14' P.C. FN 16+39.28, 15.77' LT. P.T. FN 16+47.86, 23.75' LT.
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NOTES:

- PAYMENT FOR ALL LABOR AND MATERIALS REQUIRED FOR THE INSTALLATION AND OPERATION OF THE NEW SANITARY PUMP STATION SHALL BE PAID UNDER SANITARY SEWER PUMPING STATION, ITEM 634.84010007. THIS WORK INCLUDES THE INSTALLATION OF THE SANITARY PUMP STATION, GENERATOR, ASSOCIATED ELECTRICAL WORK, CONCRETE PADS AND SUBBASE MATERIAL FOR GENERATOR AND ELECTRICAL SERVICE EQUIPMENT, EMBANKMENT, AND GRADING.
- ACTUAL CONCRETE PAD DIMENSIONS AND CONFIGURATION DO BE DETERMINED BY CONTRACTOR PER FINAL APPROVED GENERATOR SHOP DRAWINGS.



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 USER = kalberts

PROJECT MANAGER T. BUTLER
 CHECK B. WALKER
 DRAFTING S. ROMEISER
 CHECK B. WALKER
 DESIGN S. MILLER
 DESIGN B. OLSEN
 JOB MANAGER S. MILLER
 DESIGN SUPERVISOR J. HOFMANN

AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 11, 2024

ALTERED BY:
 ON:

⚠️ ADDED CONCRETE PAD DETAIL AND NOTES 3/11/2024

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			GENERAL PLAN	DRAWING NO. GNP-2A1 SHEET NO. 35A1
COUNTY: JEFFERSON		REGION: 7			JEFFERSON COUNTY HIGHWAY DEPARTMENT	Stantec

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

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 USER = kalberbs

DESIGN SUPERVISOR J. HOFMANN

JOB MANAGER S. MILLER

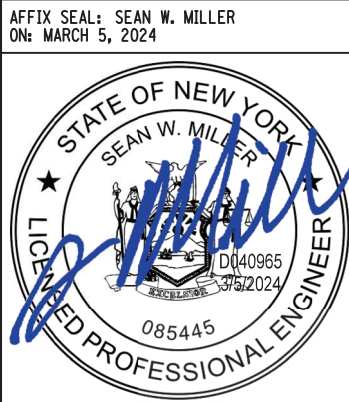
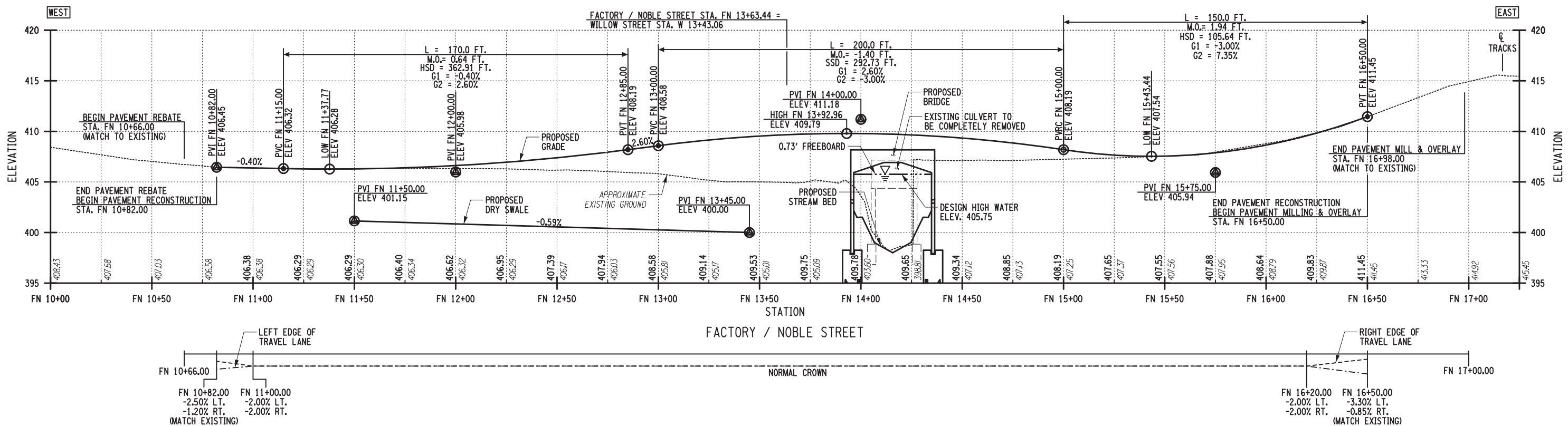
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CHECK B. WALKER

DRAFTING S. ROMEISER

CHECK B. WALKER

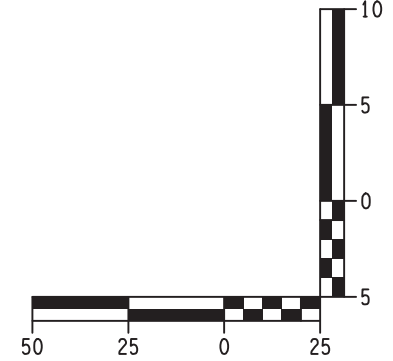
PROJECT MANAGER T. BUTLER

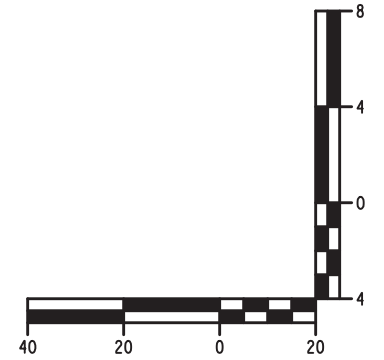
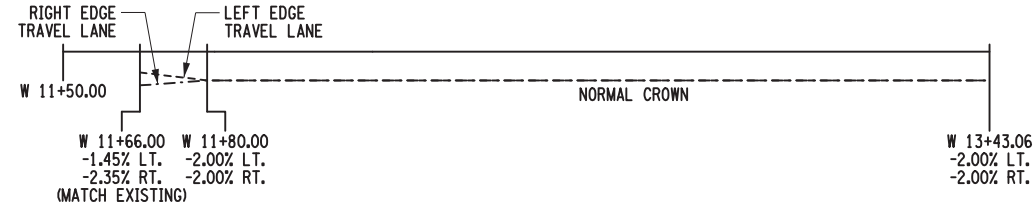
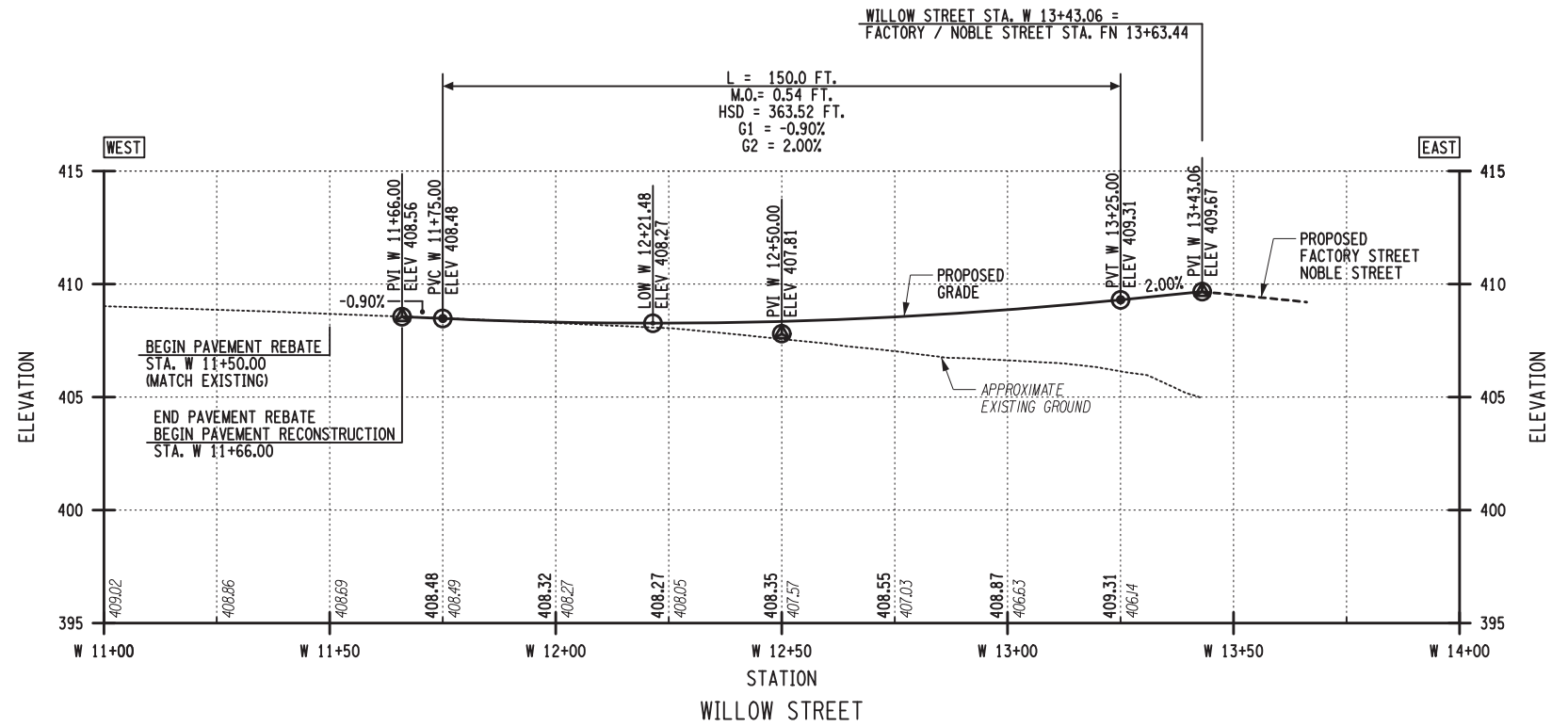


ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS				PROFILE FACTORY STREET / NOBLE STREET STA. FN 11+00.00 TO STA FN 16+50.00	DRAWING NO. PRO-1 SHEET NO. 36
	COUNTY: JEFFERSON	REGION: 7				JEFFERSON COUNTY HIGHWAY DEPARTMENT

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.





AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

NOBLE STREET OVER WEST CREEK
VILLAGE OF EVANS MILLS
COUNTY: JEFFERSON
REGION: 7

PIN 7753.77
BRIDGES 3371810
CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
PROFILE WILLOW STREET STA. W 11+66.00 TO STA W 13+43.06

CONTRACT NUMBER D040965
DRAWING NO. PRO-2 SHEET NO. 37

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.

JEFFERSON COUNTY
 HIGHWAY DEPARTMENT



SIGNING SUMMARY TABLE (PANELS AND POSTS)	
ITEM NUMBER	QUANTITY
645.5102	92.1 SF
645.81	9 EA
645.8104	4 EA
645.81090003	4 EA
647.61	5 EA

SIGNING NOTES:

- SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL INSTALL NEW SIGNS AND RELOCATE EXISTING SIGNS IN ACCORDANCE WITH THE MUTCD AND NYS SUPPLEMENT. THE ENGINEER IN CHARGE SHALL CONTACT THE DESIGN ENGINEER WITH QUESTIONS.
- THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED.
- THE AREA AND PAYMENT AREA FOR SIGNS ARE FROM THE APPLICABLE STANDARD SHEETS OR SIGN FACE LAYOUTS.
- THE TOTAL PAYMENT QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS (SHOWN IN THE LOWER RIGHT CORNER OF THE LOCATIONS BLOCK) BY THE PAYMENT FACTOR.
- THE CONTRACTOR SHALL VERIFY THE ADVISORY SPEED FOR THE AS BUILT CONDITION OF THE HORIZONTAL CURVE USING THE BALL BANK INDICATOR METHOD OUTLINED IN SECTION 2C.08 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE TEST RESULTS. THE ENGINEER WILL DETERMINE THE APPROPRIATE CURVE WARNING SIGN PANEL AND ADVISORY SPEED, BASED ON INFORMATION PROVIDED BY THE CONTRACTOR. THE W1-1R/L SIGN SHALL BE USED WHEN THE RECOMMENDED ADVISORY SPEED IS LESS THAN OR EQUAL TO 30 MPH AND THE W1-2R/L SHALL BE USED WHEN THE RECOMMENDED ADVISORY SPEED IS GREATER THAN 30 MPH. IF IT IS DETERMINED THAT THE ADVISORY SPEED SHALL BE POSTED SPEED LIMIT OR GREATER, THE ADVISORY SPEED PANEL SHALL NOT BE INSTALLED. THE COST OF THIS SHALL BE INCLUDED IN THE PRICE BID FOR THE TRAFFIC SIGN ITEMS.

PROPOSED SIGNS					
DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE	PAYMENT AREA (SEE NOTE 3)
				AREA (SEE NOTE 3)	TOTAL PAYMENT AREA
R2-1	1-1		645.5102	24"x30"	5.0 SF
				5.0 SF	5.0 SF
W1-7	1-2		645.5102	48"x24"	8.0 SF
				8.0 SF	8.0 SF
W10-1	1-3		645.5102	30"	4.9 SF
				4.9 SF	4.9 SF
R1-1	1-4		645.5102	36"x36"	9.0 SF
				9.0 SF	9.0 SF
W11-2L (BLACK LEGEND ON YELLOW/GREEN BACKGROUND)	1-5, 1-6		645.5102	30"x30"	6.3 SF
				6.3 SF	12.6 SF
W11-2R (BLACK LEGEND ON YELLOW/GREEN BACKGROUND)	1-5, 1-6		645.5102	30"x30"	6.3 SF
				6.3 SF	12.6 SF
W16-7PL (BLACK LEGEND ON YELLOW/GREEN BACKGROUND)	1-5, 1-6		645.5102	24"x12"	2.0 SF
				2.0 SF	4.0 SF
W16-7PR (BLACK LEGEND ON YELLOW/GREEN BACKGROUND)	1-5, 1-6		645.5102	24"x12"	2.0 SF
				2.0 SF	4.0 SF

PROPOSED SIGNS					
DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE	PAYMENT AREA (SEE NOTE 3)
				AREA (SEE NOTE 3)	TOTAL PAYMENT AREA
I-3	1-7, 1-8		645.5102	24"x18"	3.0 SF
				3.0 SF	6.0 SF
D3-1	1-9		645.5102	42"x12"	3.5 SF
				3.5 SF	7.0 SF
D3-1	1-9		645.5102	54"x12"	4.5 SF
				4.5 SF	4.5 SF
D3-1	1-9		645.5102	54"x12"	4.5 SF
				4.5 SF	4.5 SF
D3-1	1-9		645.5102	60"x12"	5.0 SF
				5.0 SF	5.0 SF
D3-1	1-9		645.5102	60"x12"	5.0 SF
				5.0 SF	5.0 SF

SIGN REMOVAL TABLE			
ITEM NO.	DESCRIPTION		PAYUNIT
647.61	REMOVE AND DISPOSE SIGNS, GROUND MOUNTED TYPE A SIGN SUPPORTS AND FOUNDATIONS - SIZE I (UNDER 30 SQUARE FEET)		EA
STATION	SIDE	DESCRIPTION	647.61
FN 11+20	LT	SPEED LIMIT 30 SIGN	1
FN 13+31	RT	STOP SIGN	1
FN 14+36	RT	RAILROAD CROSSING SIGN	1
W 12+64	LT	STREET SIGN (WILLOW STREET/ FACTORY STREET)	1
W 12+78	LT	STOP SIGN	1
TOTALS:			5

AFFIX SEAL: SEAN W. MILLER
ON: MARCH 5, 2024

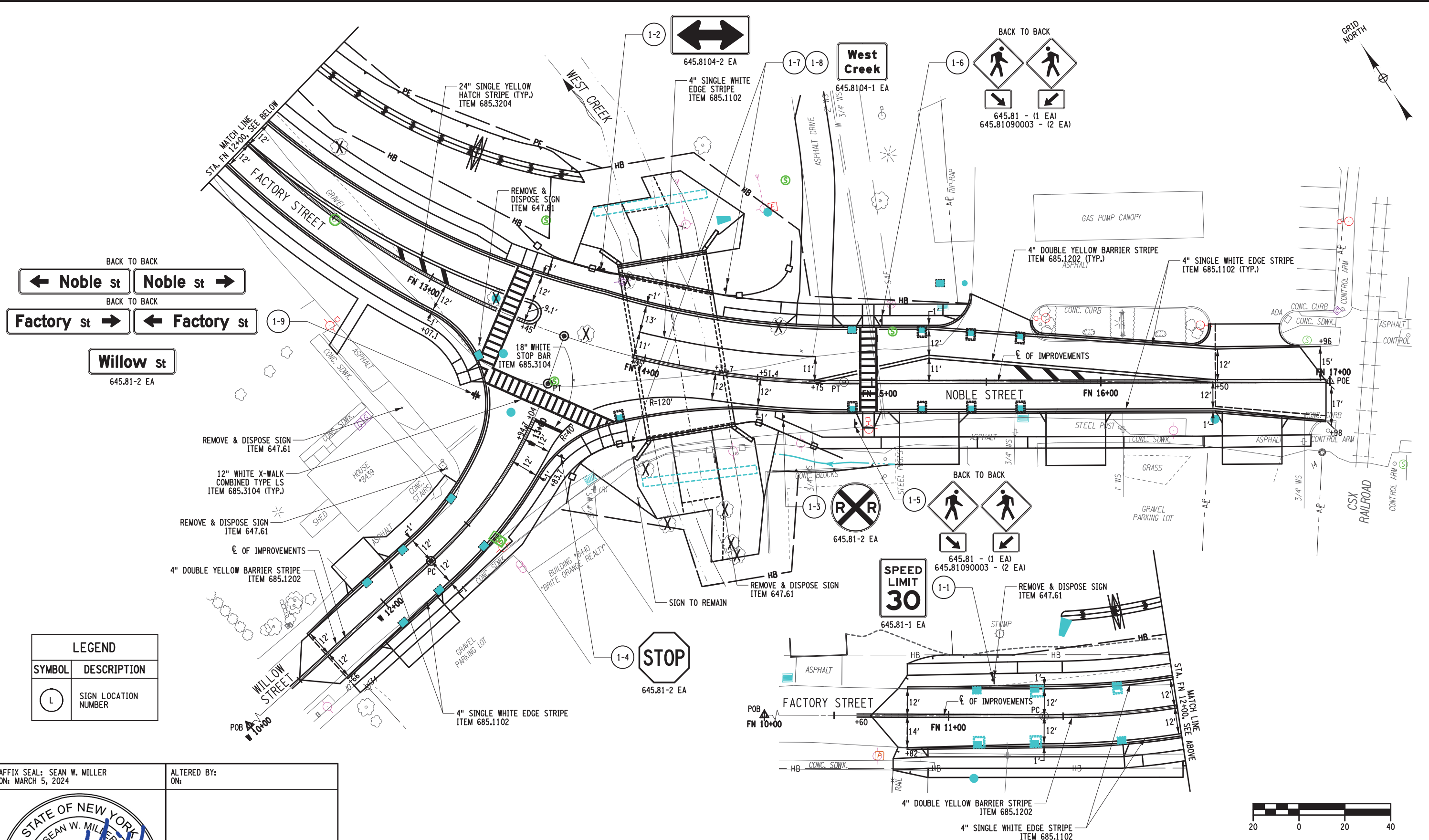
ALTERED BY:
ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS					SIGN TEXT DATA SHEET
COUNTY: JEFFERSON		REGION: 7	JEFFERSON COUNTY HIGHWAY DEPARTMENT			

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

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PROJECT MANAGER T. BUTLER
 CHECK B. WALKER
 DRAFTING S. ROMEISER
 CHECK B. WALKER
 S. MILLER DESIGN B. OLSEN
 JOB MANAGER S. MILLER
 DESIGN SUPERVISOR J. HOFMANN



LEGEND	
SYMBOL	DESCRIPTION
(L)	SIGN LOCATION NUMBER

AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

NOBLE STREET OVER WEST CREEK	
VILLAGE OF EVANS MILLS	
COUNTY: JEFFERSON	REGION: 7

PIN 7753.77	BRIDGES 3371810	CULVERTS
UTILITY QUALITY LEVEL 'D'		

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
SIGNING AND PAVEMENT MARKING PLAN

CONTRACT NUMBER
D040965
 DRAWING NO. SPM-1
 SHEET NO. 39

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.

JEFFERSON COUNTY
 HIGHWAY DEPARTMENT

PLAN NOTES:

- PRIOR TO THE INSTALLATION OF THE TAP, THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER AND VILLAGE ON THE ACTUAL LOCATION OF THE EXISTING 8" AC WATER MAIN. COST TO BE INCLUDED IN THE VARIOUS WATER MAIN ITEMS.
- AFTER VERIFICATION OF WATER MAIN LOCATION, THE CONTRACTOR SHALL INSTALL INSERTA VALVES. LOCATIONS PROVIDED IN TABLE ARE APPROX. AND SHALL BE VERIFIED WITH THE EIC AND VILLAGE WATER REPRESENTATIVE.

WATER MAIN INSTALLATION SEQUENCE NOTES (NOBLE STREET):

- INSTALL TEMPORARY TSV&B, 8" WM, AND 8" 45° BEND. SWAB AND DISINFECT ALL PIPES, VALVE AND FITTINGS.
- CONTINUE WITH 8" WM INSTALLATION TO THE NORTHWEST, UNDER WEST CREEK TO THE TEMP. CAP ON THE NORTHWEST SIDE OF THE CROSSING.
- TEST AND DISINFECT NEW WATER MAIN SECTION.
- AFTER THE HEALTH DEPARTMENT HAS APPROVED THE NEW SECTION OF WM TO BE PUT INTO SERVICE, THE CONTRACTOR SHALL TRANSFER ALL WATER SERVICES TO THE NEW WATER MAIN.
- AFTER SERVICES HAVE BEEN TRANSFERRED, THE CONTRACTOR SHALL INSTALL THE PERMANENT CONNECTIONS ON THE NORTHWEST AND SOUTHEAST SIDES OF THE NEW CROSSING. THE CONTRACTOR WILL NEED TO COORDINATE W/ THE VILLAGE TO NOTIFY THE CUSTOMERS THAT WILL BE EFFECTED BY THE WATER SHUTDOWN.

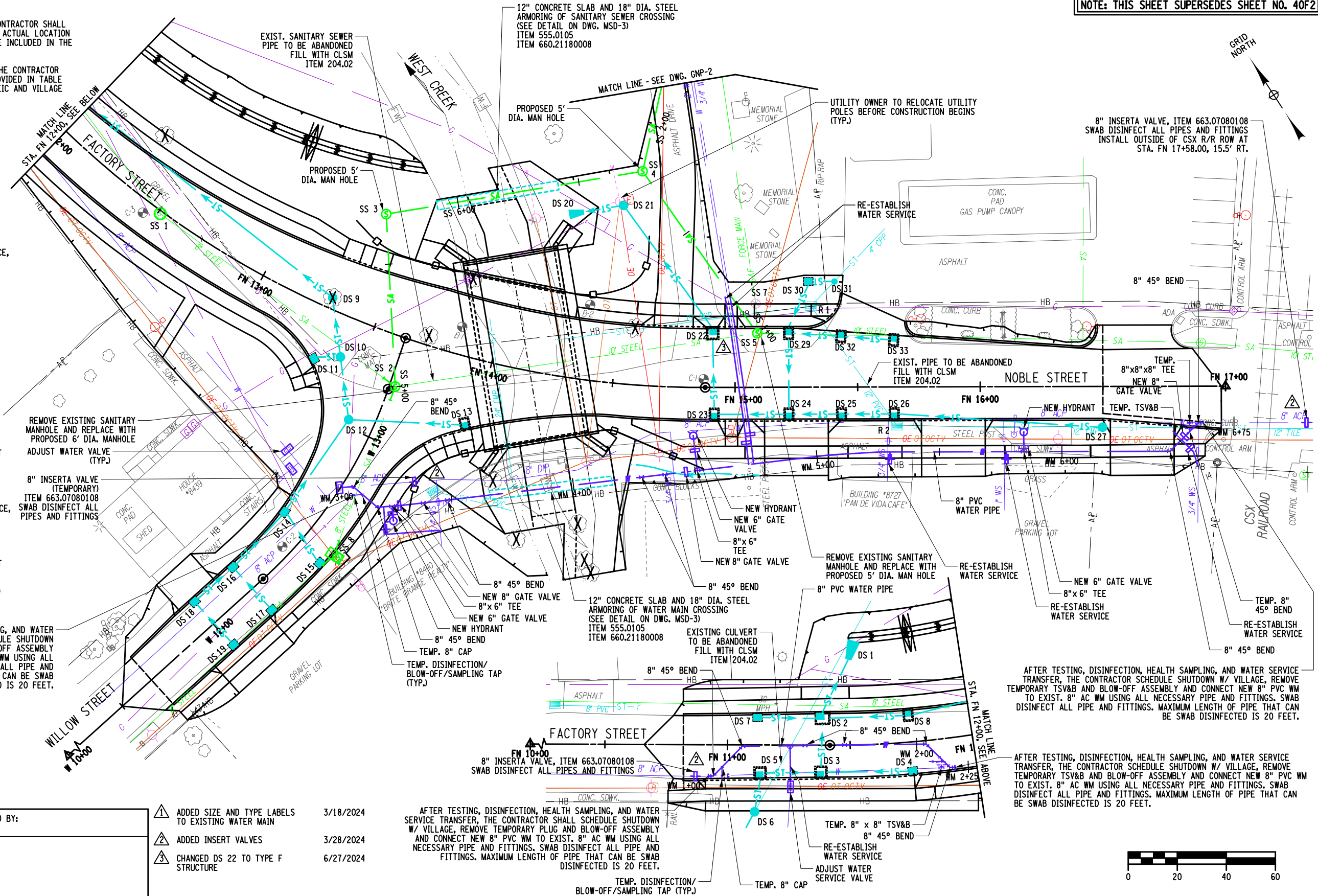
WATER MAIN INSTALLATION SEQUENCE NOTES (FACTORY STREET):

- INSTALL TEMPORARY TSV&B, 8" WM, AND 8" 45° BEND. SWAB AND DISINFECT ALL PIPES, VALVE AND FITTINGS.
- CONTINUE WITH 8" WM INSTALLATION TO THE NORTH, UNDER EXISTING CMP AND FUTURE RCP DRAINAGE PIPES TO THE TEMP. CAP ON THE NORT SIDE OF THE CROSSING.
- TEST AND DISINFECT NEW WATER MAIN SECTION.
- AFTER THE HEALTH DEPARTMENT HAS APPROVED THE NEW SECTION OF WM TO BE PUT INTO SERVICE, THE CONTRACTOR SHALL TRANSFER ALL WATER SERVICES TO THE NEW WATER MAIN.
- AFTER SERVICES HAVE BEEN TRANSFERRED, THE CONTRACTOR SHALL INSTALL THE PERMANENT CONNECTIONS ON THE NORTHWEST AND SOUTHEAST SIDES OF THE NEW CROSSING. THE CONTRACTOR WILL NEED TO COORDINATE W/ THE VILLAGE TO NOTIFY THE CUSTOMERS THAT WILL BE EFFECTED BY THE WATER SHUTDOWN.

AFTER TESTING, DISINFECTION, HEALTH SAMPLING, AND WATER SERVICE TRANSFER, THE CONTRACTOR SHALL SCHEDULE SHUTDOWN W/ VILLAGE, REMOVE TEMPORARY PLUG AND BLOW-OFF ASSEMBLY AND CONNECT NEW 8" PVC WM TO EXIST. 8" AC WM USING ALL NECESSARY PIPE AND FITTINGS. SWAB DISINFECT ALL PIPE AND FITTINGS. MAXIMUM LENGTH OF PIPE THAT CAN BE SWAB DISINFECTED IS 20 FEET.

AFTER TESTING, DISINFECTION, HEALTH SAMPLING, AND WATER SERVICE TRANSFER, THE CONTRACTOR SCHEDULE SHUTDOWN W/ VILLAGE, REMOVE TEMPORARY TSV&B AND BLOW-OFF ASSEMBLY AND CONNECT NEW 8" PVC WM TO EXIST. 8" AC WM USING ALL NECESSARY PIPE AND FITTINGS. SWAB DISINFECT ALL PIPE AND FITTINGS. MAXIMUM LENGTH OF PIPE THAT CAN BE SWAB DISINFECTED IS 20 FEET.

AFTER TESTING, DISINFECTION, HEALTH SAMPLING, AND WATER SERVICE TRANSFER, THE CONTRACTOR SCHEDULE SHUTDOWN W/ VILLAGE, REMOVE TEMPORARY TSV&B AND BLOW-OFF ASSEMBLY AND CONNECT NEW 8" PVC WM TO EXIST. 8" AC WM USING ALL NECESSARY PIPE AND FITTINGS. SWAB DISINFECT ALL PIPE AND FITTINGS. MAXIMUM LENGTH OF PIPE THAT CAN BE SWAB DISINFECTED IS 20 FEET.



- 1 ADDED SIZE AND TYPE LABELS TO EXISTING WATER MAIN 3/18/2024
- 2 ADDED INSERT VALVES 3/28/2024
- 3 CHANGED DS 22 TO TYPE F STRUCTURE 6/27/2024

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	
NOBLE STREET OVER WEST CREEK	
VILLAGE OF EVANS MILLS	
COUNTY: JEFFERSON	REGION: 7

PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
UTILITY QUALITY LEVEL 'D'			UTILITY PLAN	DRAWING NO. UTP-1
				SHEET NO. 40F3

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.

PROJECT MANAGER T. BUTLER
 CHECK B. WALKER
 DRAFTING S. ROMEISER
 CHECK B. WALKER
 DESIGN B. OLSEN
 JOB MANAGER S. MILLER
 DESIGN SUPERVISOR J. HOFMANN



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DESIGN SUPERVISOR J. HOFMANN

JOB MANAGER S. MILLER

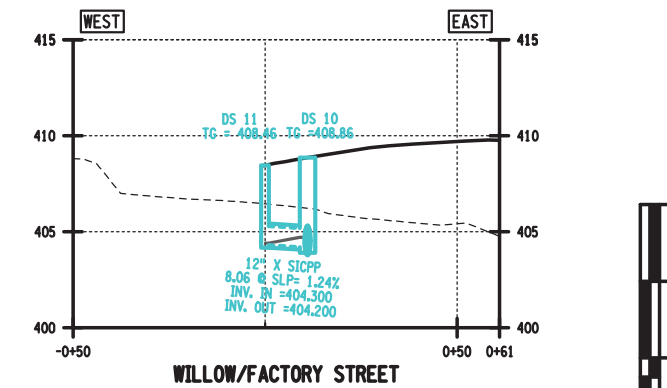
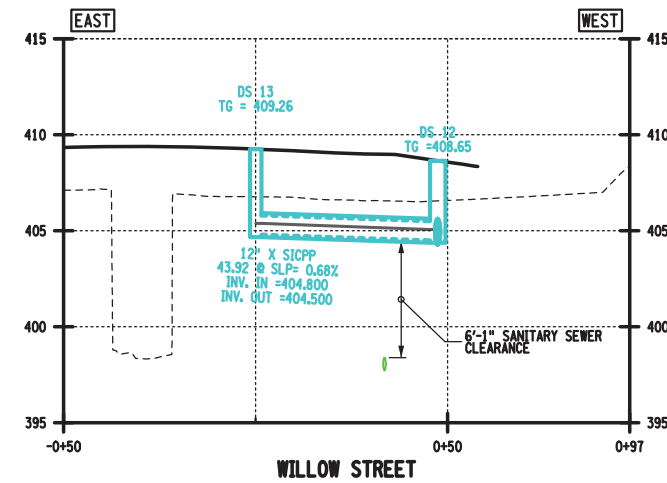
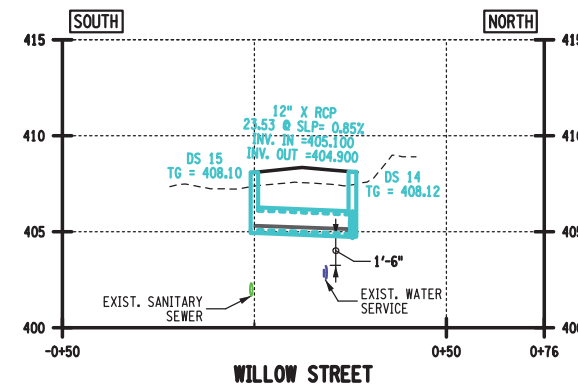
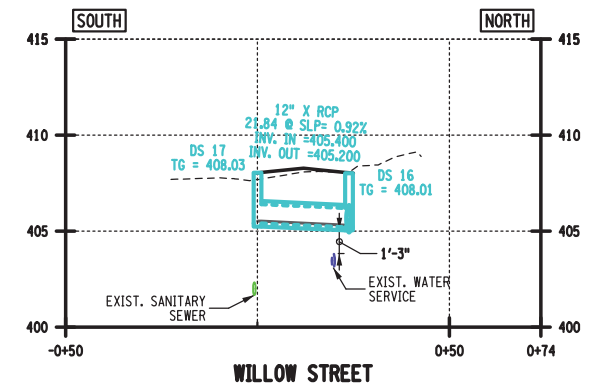
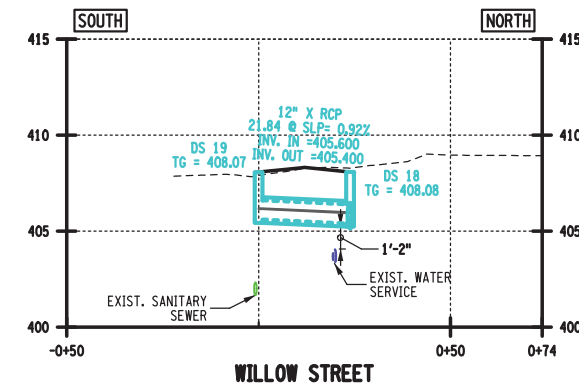
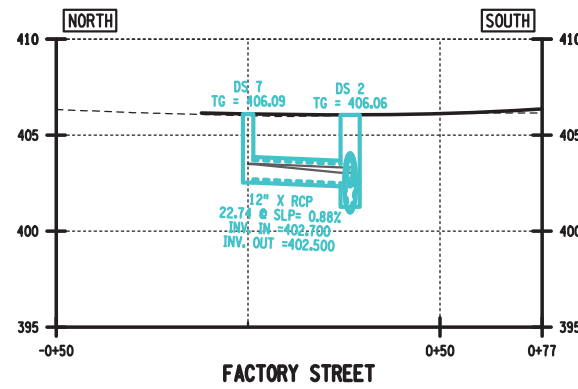
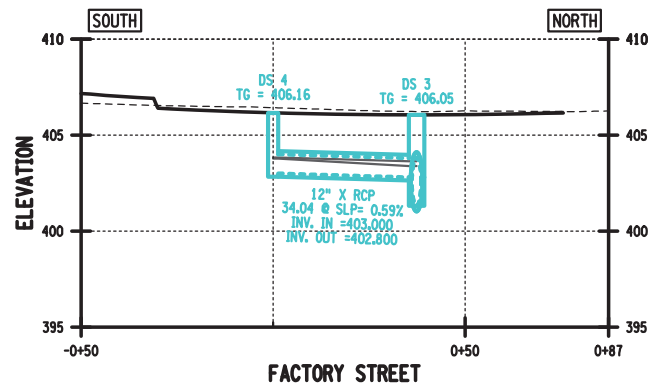
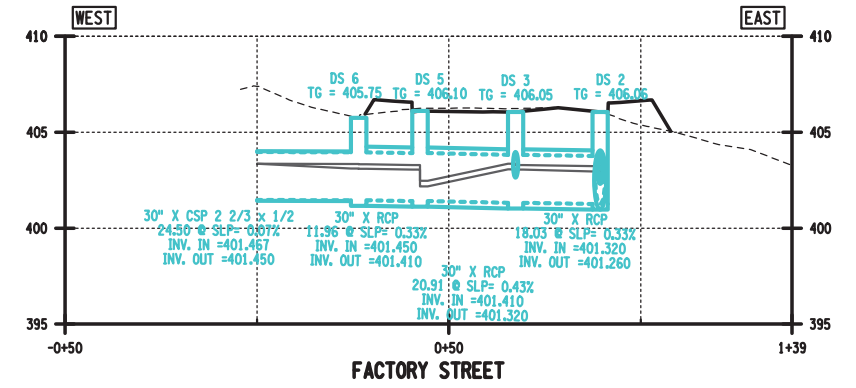
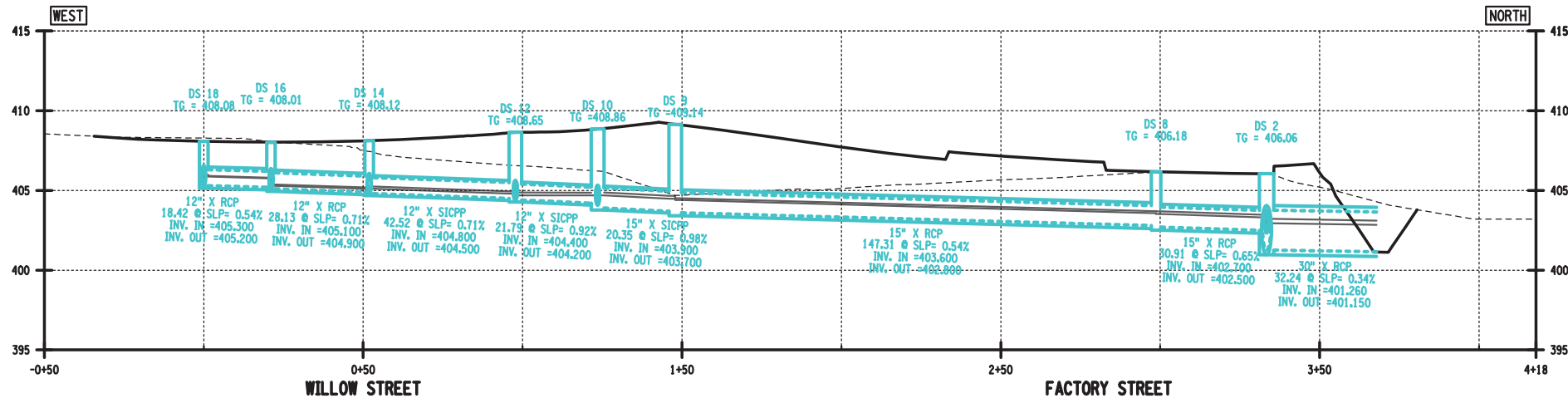
S. MILLER

CHECK B. WALKER

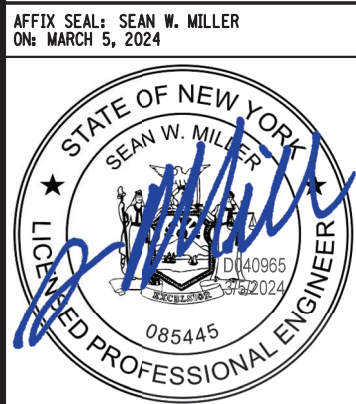
DRAFTING S. ROMEISER

CHECK B. WALKER

PROJECT MANAGER T. BUTLER



EXISTING GRADE	---
FINAL GRADE	—
HYDRAULIC GRADE	· · ·
ENERGY GRADE	- - -

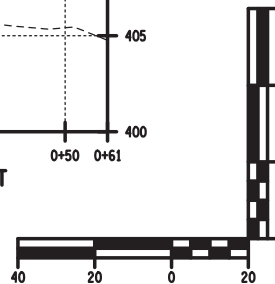


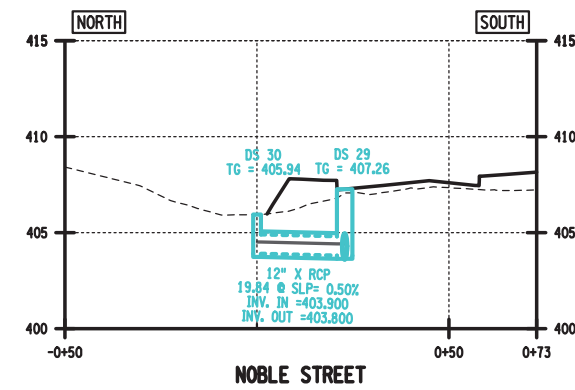
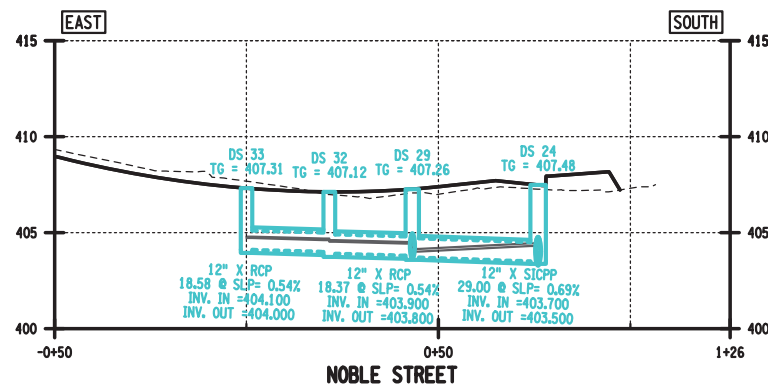
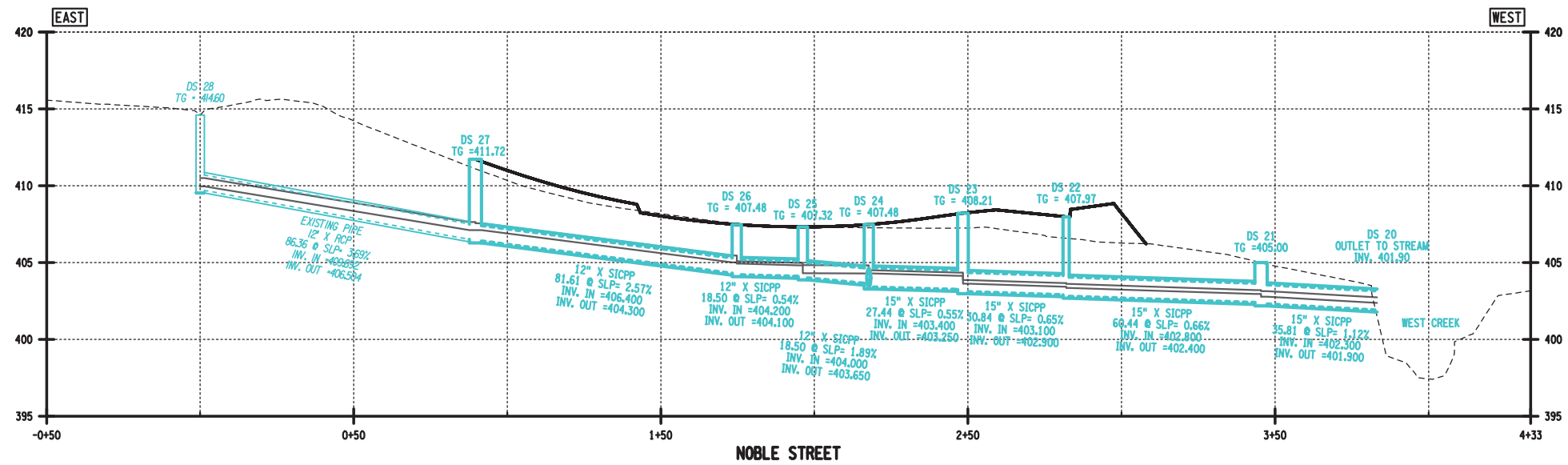
AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS				DRAINAGE PROFILE FACTORY STREET / NOBLE STREET NORTH SYSTEM	DRAWING NO. DRP-1 SHEET NO. 41
	COUNTY: JEFFERSON	REGION: 7			JEFFERSON COUNTY HIGHWAY DEPARTMENT	

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EXISTING GRADE	---
FINAL GRADE	—
HYDRAULIC GRADE	- - -
ENERGY GRADE	- · - · -

AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

NOBLE STREET OVER WEST CREEK	
VILLAGE OF EVANS MILLS	
COUNTY: JEFFERSON	REGION: 7

PIN 7753.77	BRIDGES 3371810	CULVERTS
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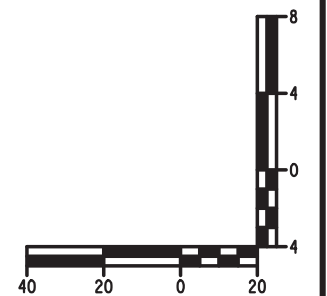
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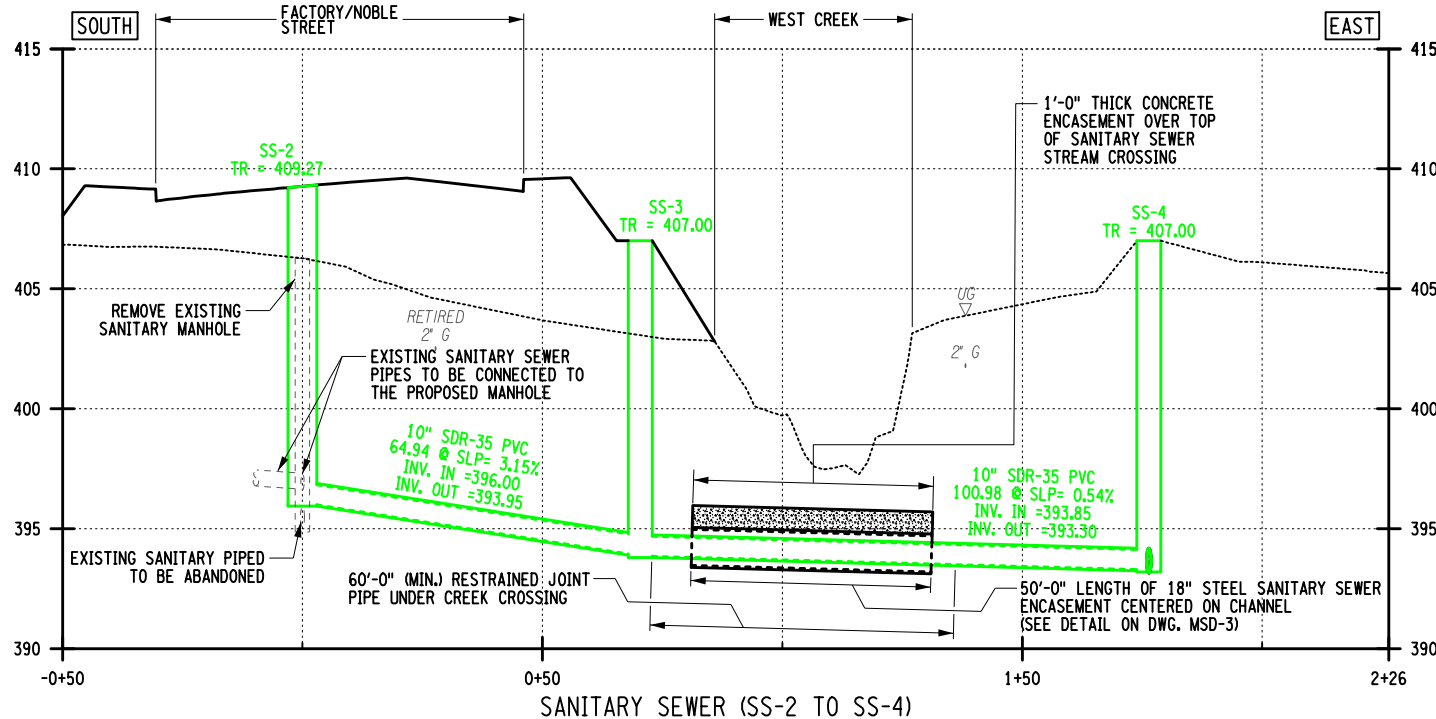
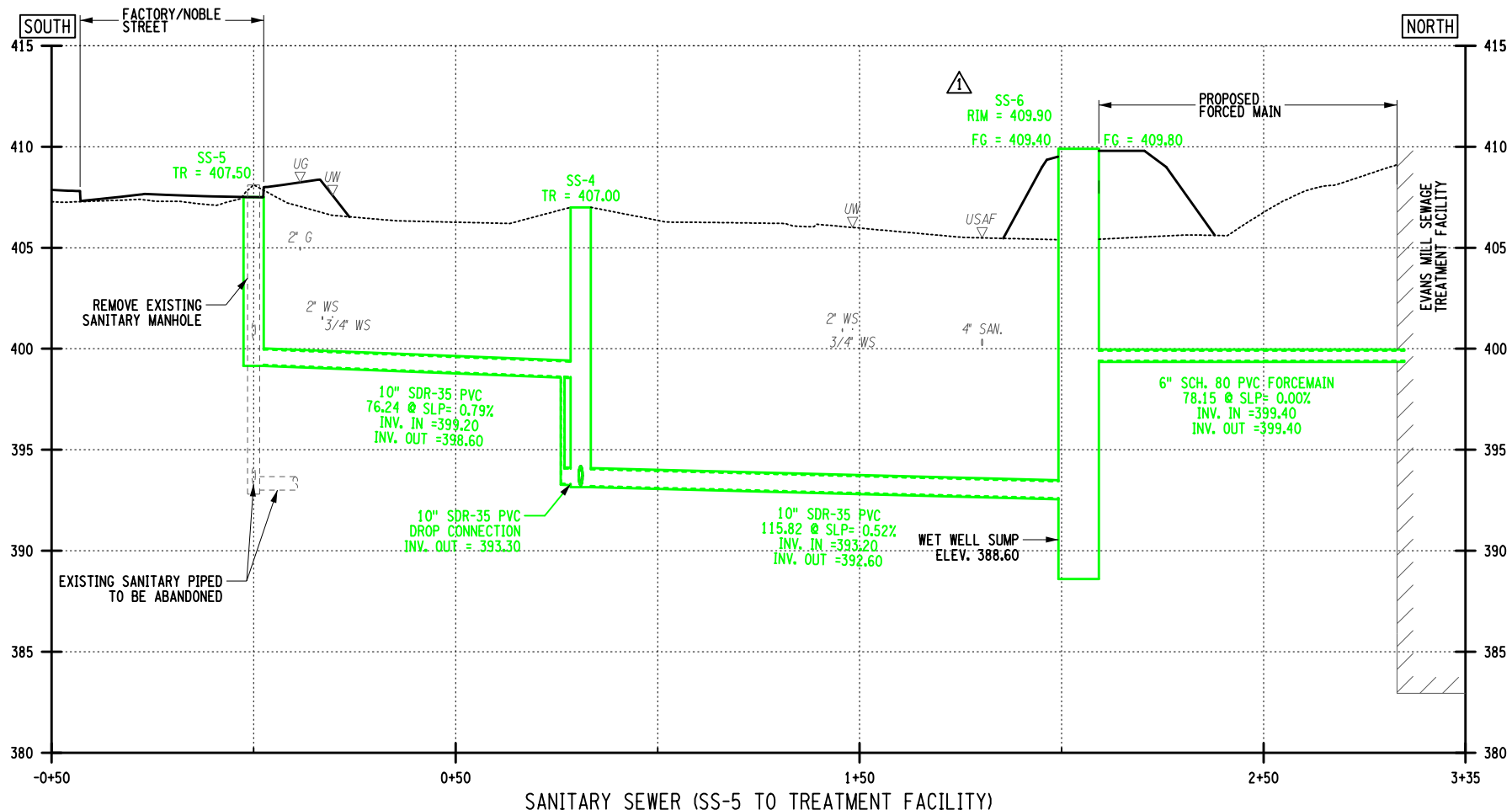
DRAINAGE PROFILE
 FACTORY STREET / NOBLE STREET
 SOUTH SYSTEM

CONTRACT NUMBER D040965
DRAWING NO. DRP-2 SHEET NO. 42

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.

JEFFERSON COUNTY
 HIGHWAY DEPARTMENT





REVISD SS-6 6/12/2024

AFFIX SEAL: SEAN W. MILLER
ON: MARCH 11, 2024

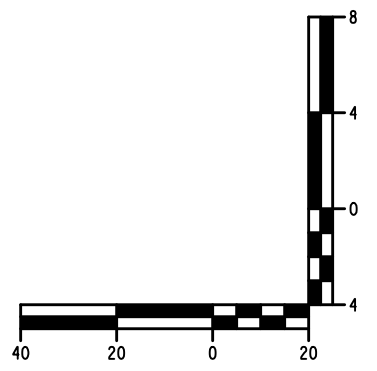
ALTERED BY:
ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS				SANITARY SEWER PROFILES	DRAWING NO. SSP-1
	COUNTY: JEFFERSON	REGION: 7				SHEET NO. 43F1

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.

JEFFERSON COUNTY
HIGHWAY DEPARTMENT



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USER = swmiller

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JOB MANAGER S. MILLER
DESIGN B. OLSEN
CHECK B. WALKER
DRAFTING S. ROMEISER
CHECK B. WALKER
PROJECT MANAGER T. BUTLER

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DESIGN SUPERVISOR J. HOFMANN

JOB MANAGER S. MILLER

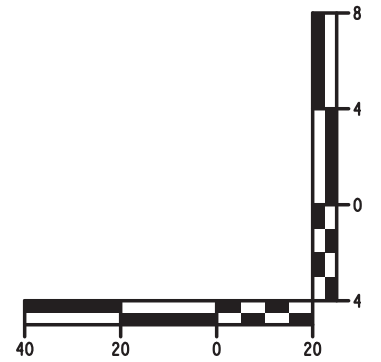
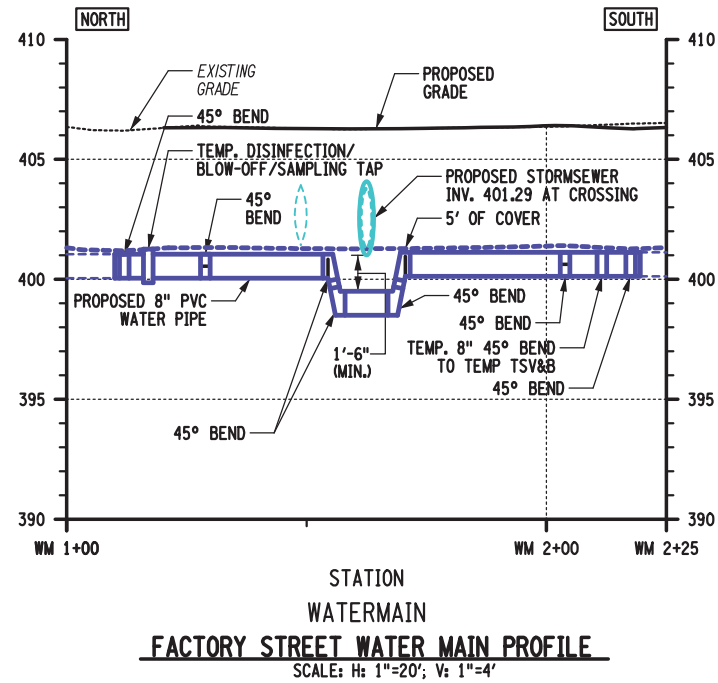
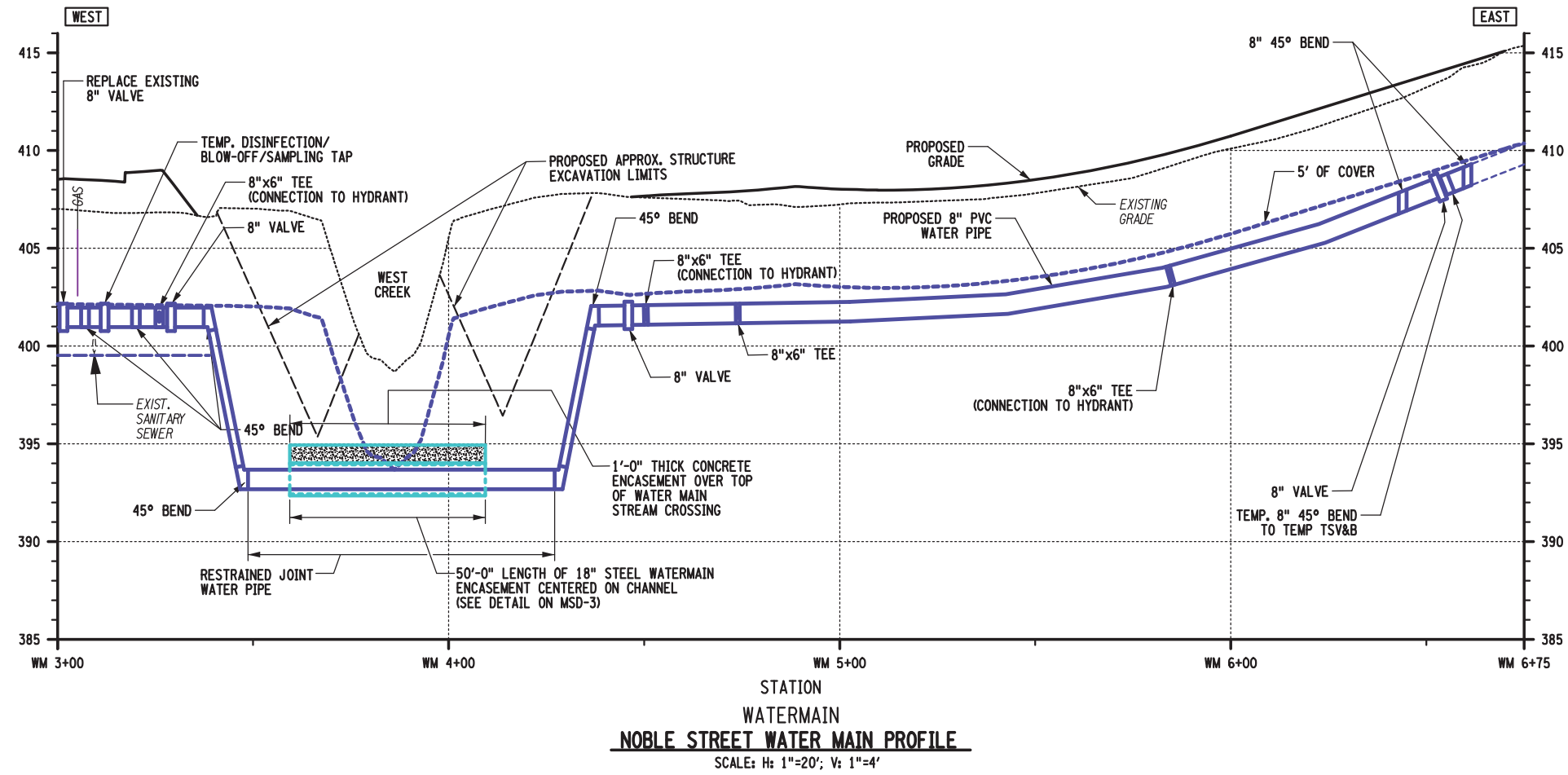
DESIGN B. OLSEN

CHECK B. WALKER

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CHECK B. WALKER

PROJECT MANAGER T. BUTLER



AFFIX SEAL: SEAN W. MILLER
 ON: MARCH 5, 2024

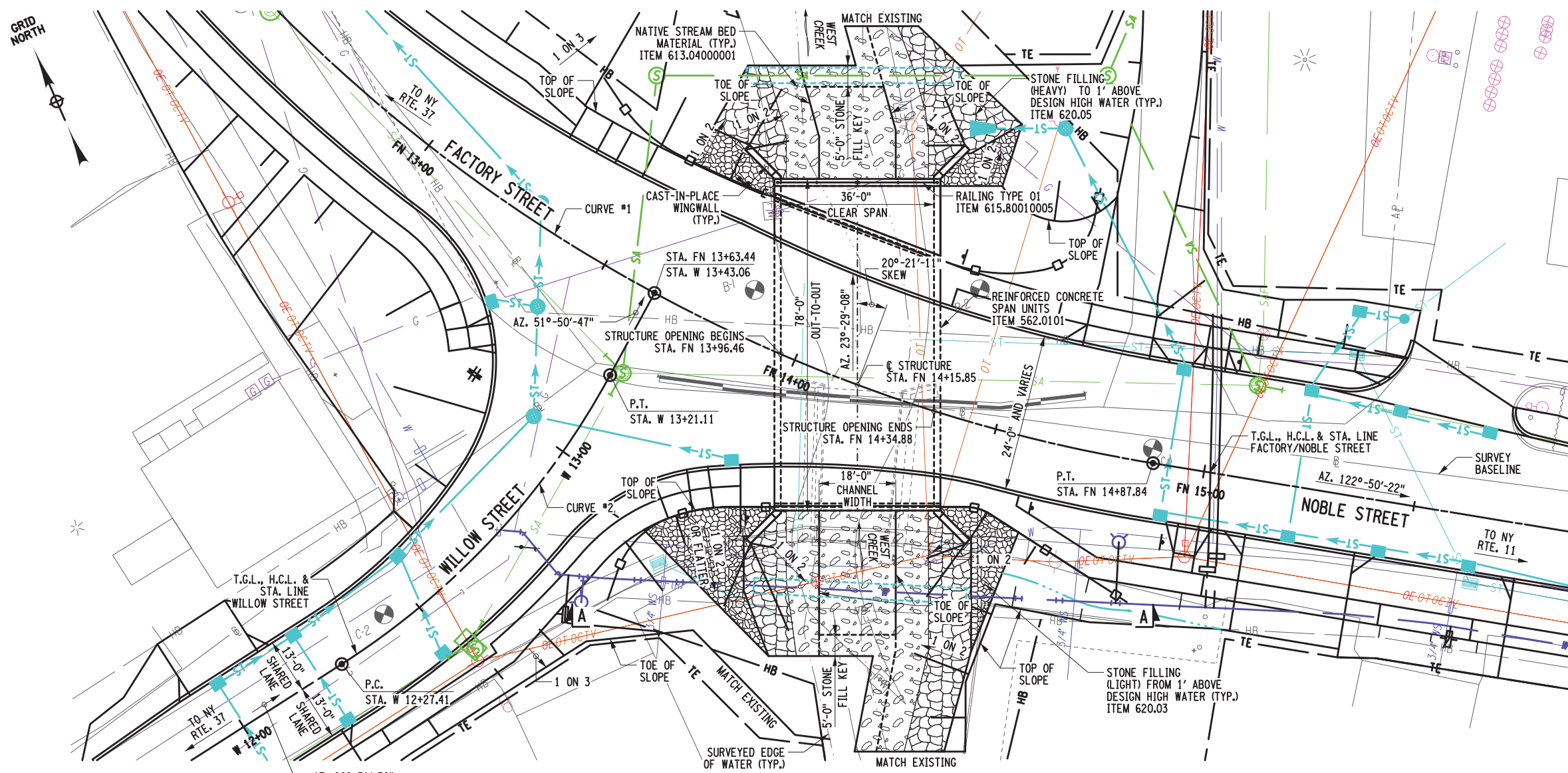
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 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS	PIN 7753.77	BRIDGES 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	COUNTY: JEFFERSON	REGION: 7			WATER MAIN PROFILES NOBLE STREET / FACTORY STREET	DRAWING NO. WMP-1 SHEET NO. 44

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.

JEFFERSON COUNTY
HIGHWAY DEPARTMENT





HYDRAULIC DATA			
DRAINAGE AREA	10 SQ. MILES	BASIC FLOOD*	DESIGN FLOOD*
REQUENCY INTERVAL (YEARS)	100	100	50
PEAK DISCHARGE (FT. ³ /S)	1200	1200	1044
HIGH WATER ELEVATION AT POINT OF MAX. BACKWATER	EXISTING	408.38	408.36
	PROPOSED	406.06	405.75
AVG. VELOCITY THRU STRUCT. @ DESIGN FLOOD	4.88 FT./SEC.		
SCOUR ANALYSIS:	MINIMUM CHANNEL EL. 398.00 FT.		
	Q100 SCOUR DEPTH (FT)	Q100 SCOUR ELEV. (FT)	Q500 SCOUR DEPTH (FT)
BEGIN ABUTMENT	12.75	385.25	23.44
END ABUTMENT	12.75	385.25	23.44
SCOUR DEPTH IS MEASURED FROM MINIMUM CHANNEL ELEVATION			

* DESIGN AND BASIC FLOOD DATA ARE BASED ON THE PROJECTED Q50 AND Q100 (20% INCREASE IN FLOWS)

THE PROPOSED STRUCTURE SHALL PROVIDE AT THE UPSTREAM FASCIA, A MINIMUM HYDRAULIC AREA (MEASURED PERPENDICULAR TO THE FLOW) OF 218 SQ. FT. BELOW THE DESIGN HIGH WATER ELEVATION OF 405.75. THE MINIMUM CLEAR SPAN SHALL BE 36 FT. PERPENDICULAR TO FLOW. A CLEAR SPAN EXCEEDING THIS BY MORE THAN 10% SHALL REQUIRE THE CONCURRENCE OF THE REGIONAL HYDRAULICS ENGINEER OR THE OFFICE OF STRUCTURES' HYDRAULIC ENGINEERING UNIT.

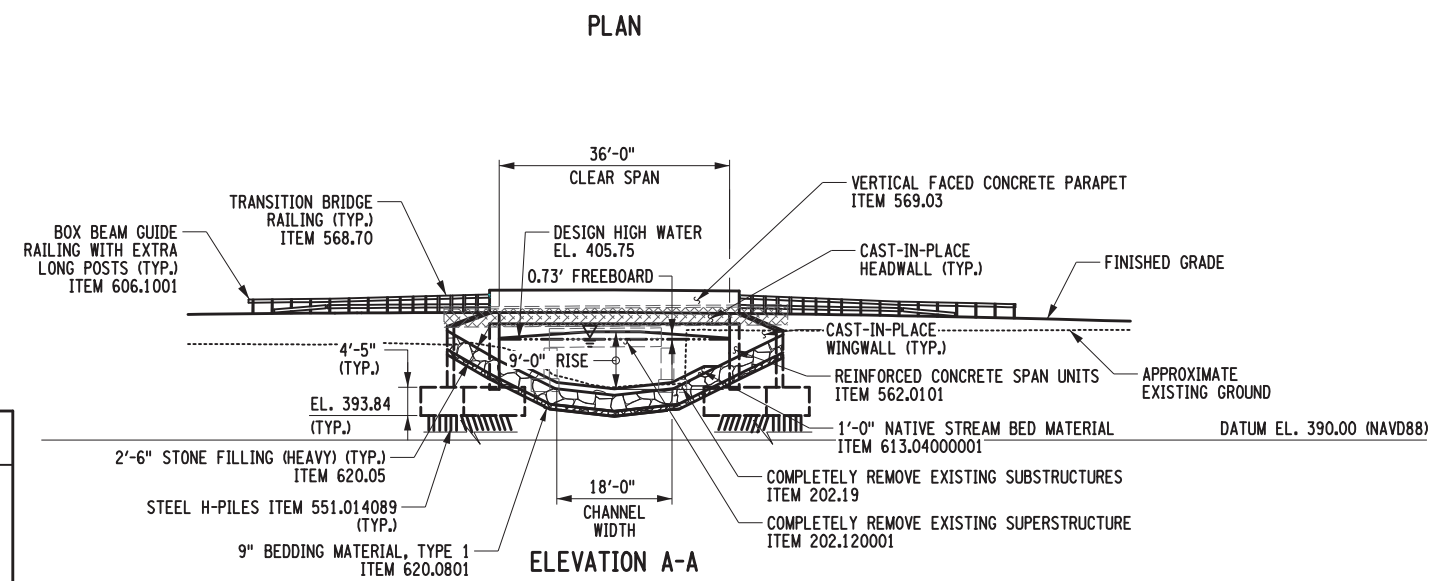
THREE SIDED STRUCTURE DESIGN DATA	
CLEAR SPAN, ft.	36'-0"
FRAME RISE, ft.	9'-0"
* MIN. FILL HEIGHT, ft.	1.16'
* MAX. FILL HEIGHT, ft.	1.78'
(SKEW) SKEW ANGLE TO C OF ROADWAY, DEG.	20°-21'-11"
LIVE LOAD	HL93
RAILING/ BARRIER TEST LOAD	TL-2

* BASED ON ASSUMED TOP SLAB THICKNESS OF 1'-3". FABRICATOR SHALL ADJUST BASED ON ACTUAL TOP SLAB THICKNESS, MEASURED FROM THE TOP OF THE TOP SLAB TO THE TOP OF THE PAVEMENT.

CURVE #1	CURVE #2
P.C. = STA. FN 11+41.76	P.C. = STA. W 12+27.41
P.I. = STA. FN 13+28.23	P.I. = STA. W 12+75.29
P.T. = STA. FN 14+87.84	P.T. = STA. W 13+21.11
R = 375.00'	R = 185.00'
L = 346.08'	L = 93.70'
Δ = 52°-52'-37" LT.	Δ = 29°-01'-11" LT.
T = 186.47'	T = 47.88'

LOAD RATING (LFD)		
INVENTORY	HS	TONS
OPERATING	HS	TONS
LRFR RATING FACTORS		
INVENTORY	HL-93	1.2 MIN.
OPERATING	HL-93	

THE LOAD RATING TABLE SHALL BE FILLED IN BY THE EIC FROM INFORMATION RECEIVED FROM THE CONTRACTOR AFTER REVIEW AND APPROVAL BY THE ENGINEER. THE SUBMITTED LOAD RATING INFORMATION SHALL BE IN ACCORDANCE WITH THE AASHTO "MANUAL FOR BRIDGE EVALUATION" WITH ALL INTERIM PROVISIONS IN EFFECT. THE CONTRACTOR SHALL PROVIDE LOAD RATINGS IN BOTH THE LOAD FACTOR RATING (LFD) AND THE LOAD AND RESISTANCE FACTOR RATING (LRFR) METHOD. THE CONTRACTOR SHALL ALSO PROVIDE ALL LOAD RATING COMPUTATIONS TO THE ENGINEER, STAMPED BY A NEW YORK STATE PROFESSIONAL ENGINEER.



AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			GENERAL PLAN AND ELEVATION	DRAWING NO. ST-1
	COUNTY: JEFFERSON	REGION: 7				SHEET NO. 45

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.

GENERAL NOTES

DESIGN SPECIFICATIONS: NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF JANUARY 2024 (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: $f_c = 3000$ psi.)

DESIGN LIVE LOAD: AASHTO HL - 93.

CONSTRUCTION SPECIFICATIONS: NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIAL WITH ALL PROVISIONS IN EFFECT AS OF JANUARY 2024.

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.

ALL SHOP DRAWINGS SUBMITTED FOR THIS PROJECT SHALL BE IN US CUSTOMARY UNITS.

THIS BRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT EDITION OF THE AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES.

MATERIALS CONTAINING ASBESTOS ARE BELIEVED TO EXIST AT VARIOUS LOCATIONS ON OR IN THE STRUCTURE CONTAINED IN THIS CONTRACT. THESE MATERIALS WERE NOTED DURING FIELD INSPECTIONS. ALL KNOWN ASBESTOS CONTAINING MATERIALS HAVE BEEN INDICATED IN THE CONTRACT DOCUMENTS.

HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE.

THE LOAD RATINGS ARE IN ACCORDANCE WITH THE AASHTO MANUAL FOR BRIDGE EVALUATION.

FOUNDATION NOTES

HIGHWAY EMBANKMENT MATERIAL (FROM HIGHWAY ESTIMATE OR FROM STRUCTURAL EXCAVATION BACKFILL) AND SELECT STRUCTURE FILL, ITEM 203.21, SHALL BE PLACED SIMULTANEOUSLY, IN CONTACT, ON BOTH SIDES OF THE VERTICAL PAYMENT LINE.

THE COST OF WATER USED FOR COMPACTION OF SELECT FILL ITEMS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.21 - SELECT STRUCTURE FILL.

THE COST OF WATER USED FOR COMPACTION OF EMBANKMENT IN PLACE MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 203.03 - EMBANKMENT IN PLACE.

THE MAXIMUM STRENGTH LIMIT STATE AXIAL LOAD APPLIED TO THE HP 14x89 PILES OF EACH SUBSTRUCTURE COMPONENT ARE AS FOLLOWS:

- 236 KIPS PER PILE AT ABUTMENT
- 88 KIPS PER PILE AT WINGWALLS

THE MAXIMUM SERVICE LIMIT STATE AXIAL LOAD APPLIED TO THE PILES AT EACH SUBSTRUCTURE ARE AS FOLLOWS:

- 149 KIPS PER PILE AT ABUTMENTS
- 59 KIPS PER PILE AT WINGWALLS

DO NOT USE MECHANICAL PILE SPLICES ON THIS STRUCTURE.

PROVIDE STEEL H-PILES MEETING THE REQUIREMENT OF ASTM A572 GRADE 50 STEEL.

EQUIP ALL STEEL H-PILES WITH REINFORCED SHOES.

AFTER COMPLETION OF THE PILE INSTALLATION, THE ENGINEER WILL COMPLETE THE "ACTUAL PILE LENGTH" TABLE FOR INCLUSION IN THE AS-BUILT PLANS.

STRUCTURE NOTES

THE COST OF ALL JOINT MATERIAL AND WATERSTOPS AT CONCRETE CONSTRUCTION JOINTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.

THE DESIGN OF THE THREE-SIDED FRAME SHALL ASSUME A HINGE AND ROLLER SUPPORT CONDITION.

COFFERDAM NOTES

SHOULD THE CONTRACTOR ELECT TO LAY BACK A PORTION OF THE EXISTING EARTH ADJACENT TO AN EXCAVATION REQUIRING A COFFERDAM, ANY REQUIRED EXTENSIONS OF THE COFFERDAM NECESSARY TO KEEP WATER FROM ENTERING THE EXCAVATION SHALL BE FURNISHED AND PLACED AT NO COST TO THE COUNTY.

WHEN A COFFERDAM IS USED, THE COST OF DEWATERING THE ENTIRE EXCAVATION, REGARDLESS OF SOURCE OF WATER, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE COFFERDAM ITEM.

SHOULD FIELD CONDITIONS REQUIRE A CHANGE FROM THE TYPE OF COFFERDAM SYSTEM CALLED FOR ON THE PLANS, THE ENGINEER-IN-CHARGE SHALL CONTACT THE ENGINEER FOR COORDINATION WITH APPROPRIATE AGENCIES TO APPROVE THE CHANGE.

IF MULTIPLE COFFERDAMS ARE REPLACED BY A SINGLE SYSTEM, AS PERMITTED BY THE ENGINEER, PAYMENT SHALL BE BASED ON ALL OF THE APPLICABLE COFFERDAM ITEMS INDICATED ON THE PLANS.

DEWATERING OF THE COFFERDAM SHALL BE ACCOMPLISHED BY PUMPING THE WATER TO AN APPROVED UPLAND VEGETATED AREA OUTSIDE OF THE STREAMBED AS SHOWN ON THE PLANS AND/OR APPROVED BY THE E.I.C. TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL, SUCH AS STRAW BALES OR APPROVED EQUAL, MAY BE REQUIRED AS DETERMINED BY THE ENGINEER-IN-CHARGE. NO SETTLEMENT BASIN SHALL BE CONSTRUCTED.

ORDINARY HIGH WATER IS ESTIMATED TO BE 401.50. THIS IS DEFINED AS THE WATER SURFACE ELEVATION FOR THE MEAN ANNUAL FLOOD, WHICH IS THE FLOOD THAT HAS A RECURRENCE INTERVAL OF 2.33 YEARS.

ORDINARY WATER IS ESTIMATED TO BE 400.75. THIS IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (OTHER THAN MAJOR FLOODS). IT IS ALWAYS LESS THAN THE ORDINARY HIGH WATER ELEVATION AND IT IS USUALLY AN OBSERVED ELEVATION RATHER THAN A COMPUTED ONE.

LOW WATER IS ESTIMATED TO BE 399.50. THIS WATER ELEVATION IS THE NORMAL LOW WATER ELEVATION PREVALENT DURING ONE CONSTRUCTION SEASON FOR MORE THAN 25% OF THE TIME. IT IS AN OBSERVED ELEVATION RATHER THAN A COMPUTED ONE.

REMOVAL NOTES

EXISTING SUBSTRUCTURES SHALL BE REMOVED WITHIN THE LIMITS SHOWN ON THE PLANS UNDER ITEM 202.19.

EXISTING SUPERSTRUCTURE SHALL BE REMOVED UNDER ITEM 202.120001.

ACCORDING TO THE REQUIREMENTS OF §202-3.01 GENERAL AND SAFETY REQUIREMENTS, A REMOVAL PLAN, SIGNED BY A LICENSED AND REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK, SHALL BE SUBMITTED TO THE ENGINEER THIRTY (30) DAYS PRIOR TO BEGINNING THE DEMOLITION.

RECORD PLANS FOR THIS STRUCTURE ARE NOT AVAILABLE.

LIMITS AND METHODS FOR THE REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL MEET THE PROVISIONS OF §202-3.01 - GENERAL, OF THE NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS. THE COST OF PAINT REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE SUPERSTRUCTURE REMOVAL ITEM. PAINT WASTE NOT COLLECTED BY VACUUM METHODS SHALL BE COLLECTED USING THE ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEMS. WASTE SHALL BE DISPOSED OF USING THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM.

RECONSTRUCTION NOTES

DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THE 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 COUNTY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN PROPERTY OF THE COUNTY, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

WHEN ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THOSE ITEMS.

ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE COUNTY.

THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICE BID USING THE APPROPRIATE ITEMS IN THE CONTRACT.

PILE DRIVING NOTES

DYNAMIC PILE TESTS SHALL BE CONDUCTED ON A MINIMUM OF 2% OF ALL DRIVEN PILES WITH A MINIMUM OF TWO TESTS PER SUBSTRUCTURE. REFER TO DRAWINGS FOR LOCATION OF PDA TEST PILES DIRECTED BY ENGINEER. THE DRIVING CRITERIA FOR THE REMAINING PILES SHALL BE BASED ON THE RESULTS OF THESE TESTS.

EACH DYNAMIC PILE TEST WILL CONSIST OF ONE TEST AT INITIAL DRIVE AND A RESTRIKE AFTER A 72-HOUR WAITING PERIOD, ADDITIONAL PILES MAY BE DRIVEN DURING THIS TIME, STARTING A MINIMUM DISTANCE OF 10 FEET FROM THE TEST PILE AND PROGRESSING AWAY FROM THE TEST PILE.

DYNAMIC PILE TESTING, IN ACCORDANCE WITH ITEM 551.14. THE DYNAMIC LOAD TESTS AND ASSOCIATED REPORTING SHALL BE PERFORMED USING EQUIPMENT CONFORMING TO ASTM D4945, STANDARD TEST METHOD FOR HIGH-STRAIN DYNAMIC TESTING OF PILES. THE WORK IS TO BE PERFORMED BY A DYNAMIC TESTING CONSULTANT AND IS REQUIRED TO VERIFY AND ADJUST THE DRIVING CRITERIA AS NECESSARY TO ACHIEVE THE TARGET CAPACITY WITHOUT DAMAGING THE PILES. THE EQUIPMENT SHALL BE INSTALLED AND MONITORED DURING DRIVING BY AN EXPERIENCED TECHNICIAN. THE TECHNICIAN OPERATING THE EQUIPMENT SHALL MEET AT LEAST ONE OF THE FOLLOWING REQUIREMENTS:

- DOCUMENTED EXPERIENCE IN PERSONALLY CONDUCTING DYNAMIC LOAD TESTS ON AT LEAST 25 PROJECTS.
- A CERTIFICATE OF PROFICIENCY WITH A RANK OF AT LEAST INTERMEDIATE IN THE POCA/POI DYNAMIC MEASUREMENT AND ANALYSIS PROFICIENCY TEST. WITHIN ONE WEEK AFTER THE DYNAMIC TESTING, THREE COPIES OF A THOROUGH TYPED WRITTEN REPORT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD. THE REPORT SHALL BE IN ACCORDANCE WITH ASTM D4945. THE PDA TESTING REPORT SHALL INCLUDE A REFINED WAVE EQUATION ANALYSIS AND A CAPWAP ANALYSIS -OR EQUAL FOR EACH PILE TESTED. THE REPORT SHALL STATE WHETHER THE REQUIRED TARGET CAPACITY WAS ACHIEVED FOR EACH PILE TESTED AND PROVIDE THE DRIVING CRITERIA USED TO ACHIEVE THE TARGET CAPACITY FOR THE HAMMER SYSTEM USED. THE PILE DRIVING CRITERIA TO BE APPROVED BY THE LEAD GEOTECHNICAL ENGINEER.

STEEL H-PILES SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 551 OF THE STANDARD SPECIFICATIONS. DYNAMIC PILE MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH SPECIFICATION 551.14.

INSTALLATION OF ALL PILES SHALL BE INSPECTED TO CONFIRM THE PILE LENGTH, PILE ALIGNMENT, PILE TOLERANCE LIMITS, TIP ELEVATION, PILE DAMAGE DURING DRIVING, AND DRIVING CRITERIA IN TERMS OF BLOWS PER INCH.

PILES TO BE INSTALLED TO THE MINIMUM TIP ELEVATION LISTED IN THE PILE TABLES. ANY OBSTRUCTIONS ENCOUNTERED PRIOR TO REACHING THE MINIMUM TIP ELEVATION SHOULD BE REMOVED BY THE CONTRACTOR USING SUITABLE MEANS AND METHODS.

DIFFICULTY IN DRIVING PILES MAY BE ENCOUNTERED, AND IT MAY BE NECESSARY TO USE MECHANICAL EQUIPMENT TO REMOVE VERY COMPACT MATERIAL OR WEATHERED ROCK FROM THE LOCATION OF THE PILES. WHEN REQUIRED, SPUD OR EXCAVATE HOLES PRIOR TO DRIVING IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATIONS SECTION 551.

ACTUAL PILE TIP ELEVATIONS MAY VARY; DRIVE PILES TO THE DRIVING CRITERIA RECOMMENDED BY THE DESIGNER.

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ST-25	BAR BENDING DIAGRAMS AND BAR LIST
ST-26	BAR LIST
ST-27	BAR LIST


STREAM PROTECTION NOTE

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

VIBRATION CRITERIA

THE CONTRACTOR SHALL PROVIDE A BUILDING CONDITION SURVEY FOR THE BUILDINGS LOCATED AT 8439 AND 8440 WILLOW STREET. SEE SPECIAL SPECIFICATION FOR ITEMS 634.99010017 AND 634.99020017 IN THE PROPOSAL BOOK FOR GUIDANCE.

AFFIX SEAL: CHRISTOPHER J. CARTER ON: MARCH 5, 2024	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'				
	COUNTY: JEFFERSON	REGION: 7			GENERAL NOTES	
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 USER = kalberts

DESIGN SUPERVISOR E. HILLIARD

JOB MANAGER C. CARTER

DESIGN S. ROMEISER

CHECK S. MILLER

K. ALBERTS

CHECK T. BUTLER

PROJECT MANAGER T. BUTLER

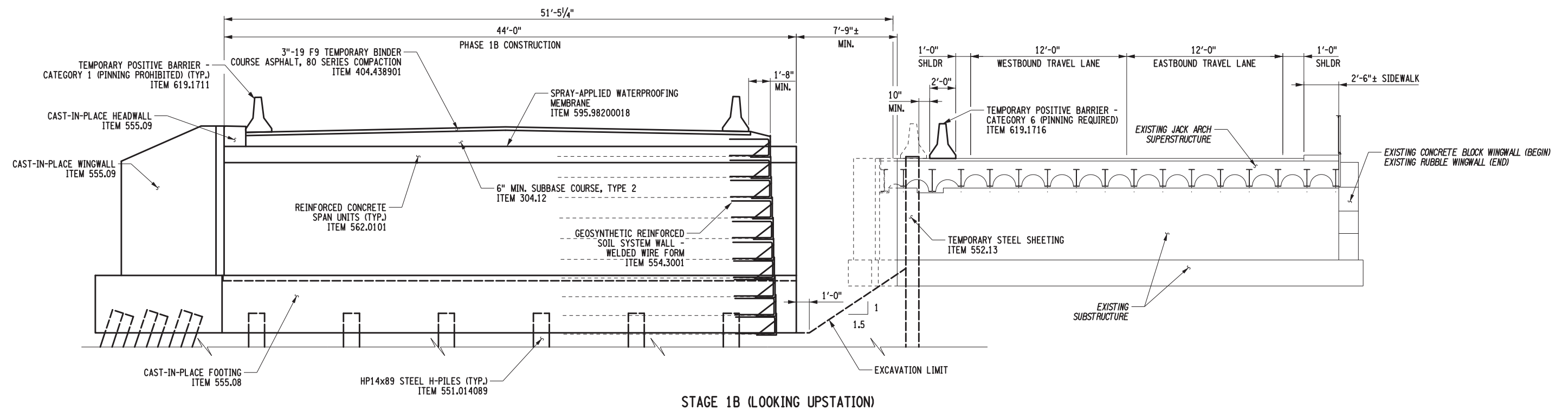
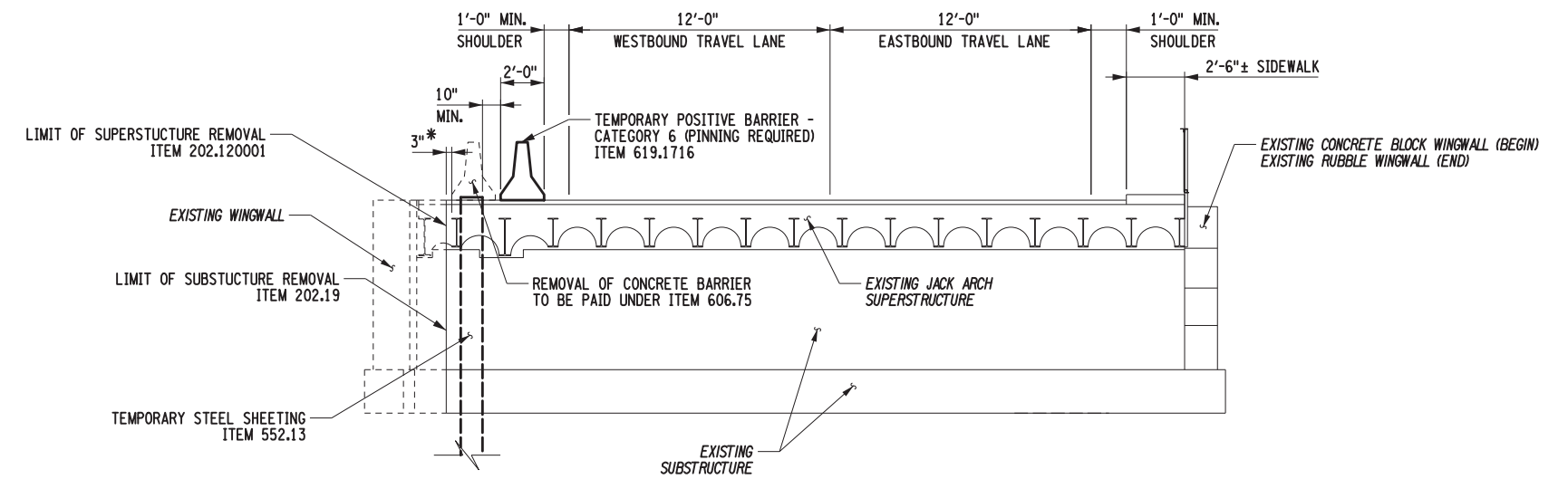
SEQUENCE OF CONSTRUCTION

STAGE 1A

1. REMOVE EXISING CONCRETE BARRIER ON LEFT SIDE OF CULVERT.
2. INSTALL TEMPORARY TRAFFIC BARRIER (PINNED) ON LEFT SIDE OF CULVERT.
3. REMOVE LEFT SIDE OF SUPERSTRUCTURE TO LIMITS SHOWN.
4. INSTALL TEMPORARY SHEETING.
5. COMPLETELY REMOVE EXISTING WINGWALLS ON LEFT SIDE OF CULVERT.
6. REMOVE LEFT SIDE OF SUBSTRUCTURE TO LIMITS SHOWN.
7. EXCAVATE FOR STAGE 1 CONSTRUCTION.

STAGE 1B

1. CONSTRUCT LEFT SIDE OF NEW BRIDGE.
2. CONSTRUCT GEOSYNTHETIC REINFORCED SOIL SYSTEM WALL AS SHOWN.
3. INSTALL TEMPORARY ROADWAY AND TEMPORARY BARRIER (UNPINNED) AS SHOWN.



AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

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	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			CONSTRUCTION STAGING (1 OF 3)	DRAWING NO. ST-3 SHEET NO. 47	
COUNTY: JEFFERSON		REGION: 7	JEFFERSON COUNTY HIGHWAY DEPARTMENT				

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.

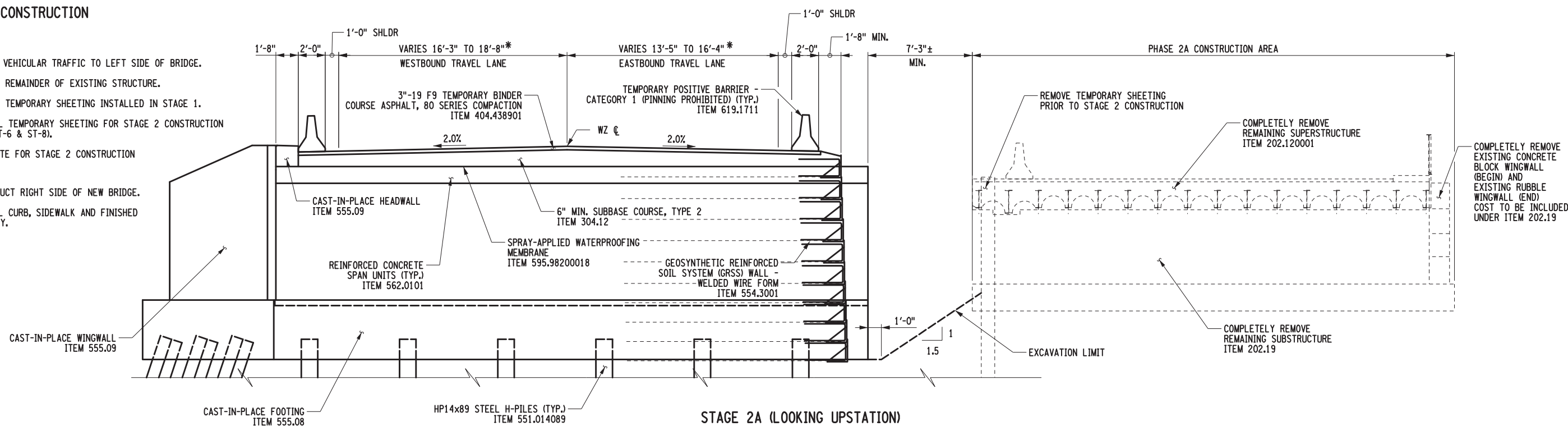
SEQUENCE OF CONSTRUCTION

STAGE 2A

1. DIVERT VEHICULAR TRAFFIC TO LEFT SIDE OF BRIDGE.
2. REMOVE REMAINDER OF EXISTING STRUCTURE.
3. REMOVE TEMPORARY SHEETING INSTALLED IN STAGE 1.
4. INSTALL TEMPORARY SHEETING FOR STAGE 2 CONSTRUCTION (SEE ST-6 & ST-8).
5. EXCAVATE FOR STAGE 2 CONSTRUCTION

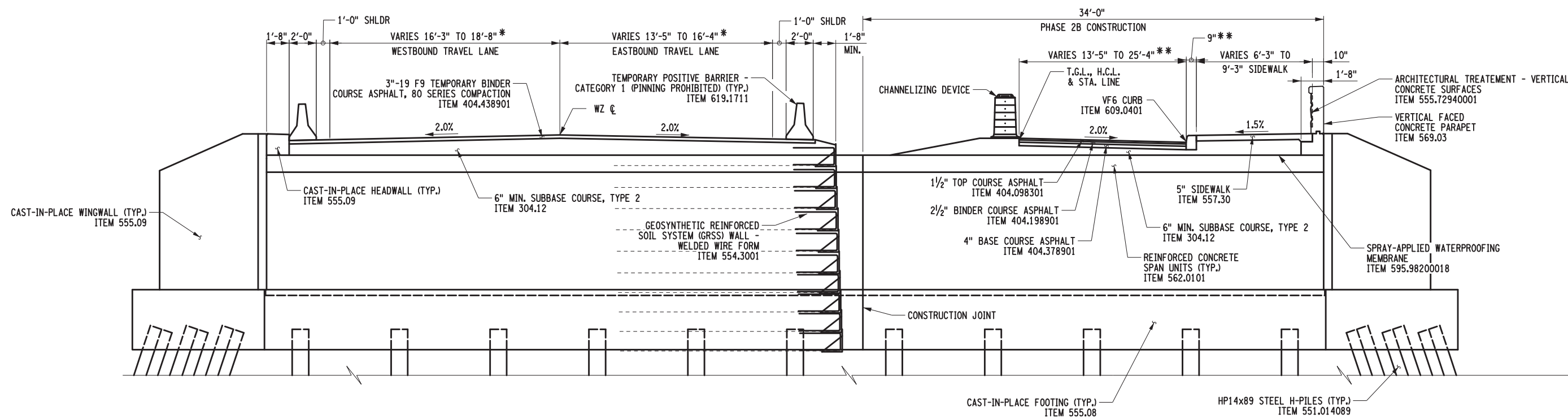
STAGE 2B

1. CONSTRUCT RIGHT SIDE OF NEW BRIDGE.
2. INSTALL CURB, SIDEWALK AND FINISHED ROADWAY.



STAGE 2A (LOOKING UPSTATION)

* - MEASURED PERPENDICULAR TO WZ ☉



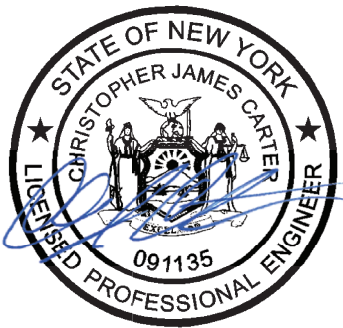
STAGE 2B (LOOKING UPSTATION)

* - MEASURED PERPENDICULAR TO WZ ☉
 ** - MEASURED PERPENDICULAR TO FN ☉

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 USER = kalberts

PROJECT MANAGER T. BUTLER
 CHECK T. BUTLER
 DRAFTING S. ROMEISER
 DESIGN S. ROMEISER
 JOB MANAGER C. CARTER
 DESIGN SUPERVISOR E. HILLIARD

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024
 ALTERED BY:
 ON:



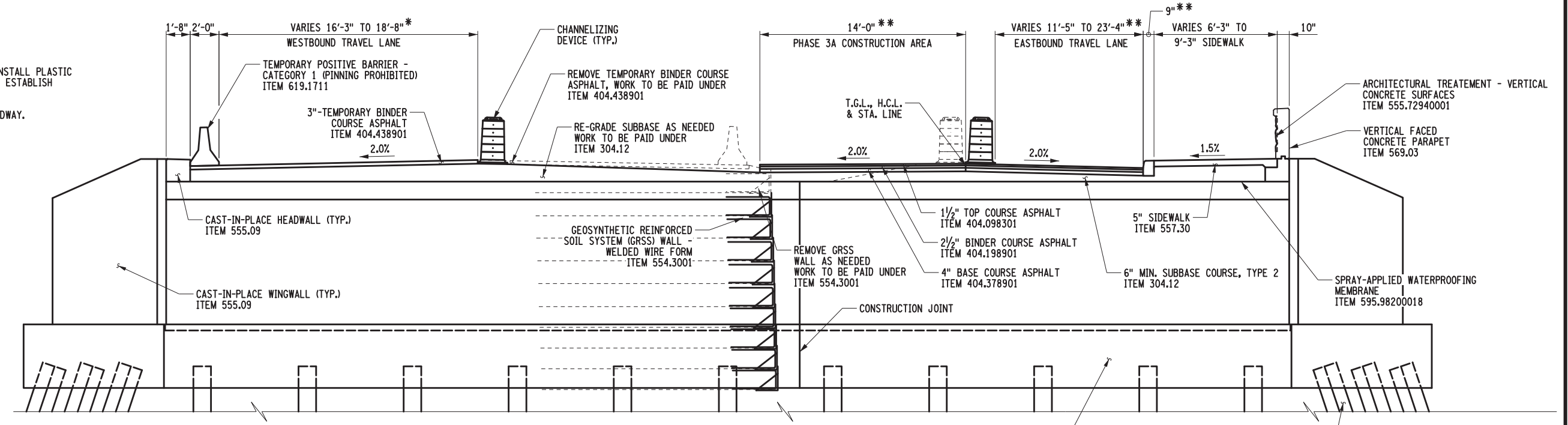
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			CONSTRUCTION STAGING (2 OF 3)	DRAWING NO. ST-4 SHEET NO. 48
IT IS 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.		COUNTY: JEFFERSON	REGION: 7	JEFFERSON COUNTY HIGHWAY DEPARTMENT		

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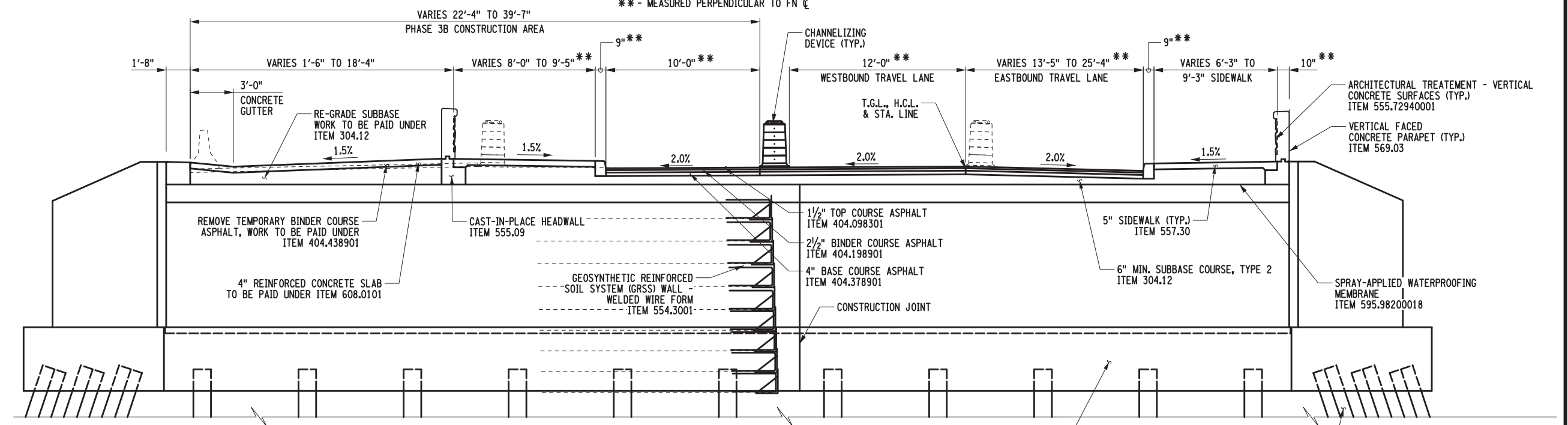
PROJECT MANAGER T. BUTLER
 CHECK T. BUTLER
 DRAFTING S. ROMEISER
 DESIGN S. ROMEISER
 JOB MANAGER C. CARTER
 DESIGN SUPERVISOR E. HILLIARD

SEQUENCE OF CONSTRUCTION

- STAGE 3A**
1. REMOVE TEMPORARY BARRIER AND INSTALL PLASTIC CONSTRUCTION DRUMS AS SHOWN TO ESTABLISH TEMPORARY TRAFFIC PATTERN.
 2. PARTIALLY REMOVE TEMPORARY ROADWAY.
 3. RE-GRADE SUBBASE.
 4. INSTALL FINAL ROADWAY SECTION.
- STAGE 3B**
1. REMOVE TEMPORARY BARRIER AND SHIFT PLASTIC CONSTRUCTION DRUMS AS NECESSARY TO DIVERT TRAFFIC TO RIGHT SIDE OF BRIDGE.
 2. REMOVE REMAINING TEMPORARY ROADWAY.
 3. RE-GRADE SUBBASE AS REQUIRED.
 4. INSTALL CURB, SIDEWALK AND REMAINING ROADWAY SECTION.
 5. SHIFT TRAFFIC AS NECESSARY TO INSTALL PAVEMENT MARKINGS.
 6. OPEN ALL LANES TO TRAFFIC.

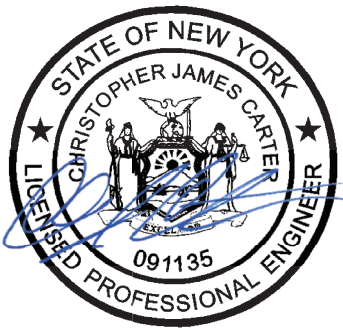


STAGE 3A (LOOKING UPSTATION)
 * - MEASURED PERPENDICULAR TO WZ C
 ** - MEASURED PERPENDICULAR TO FN C



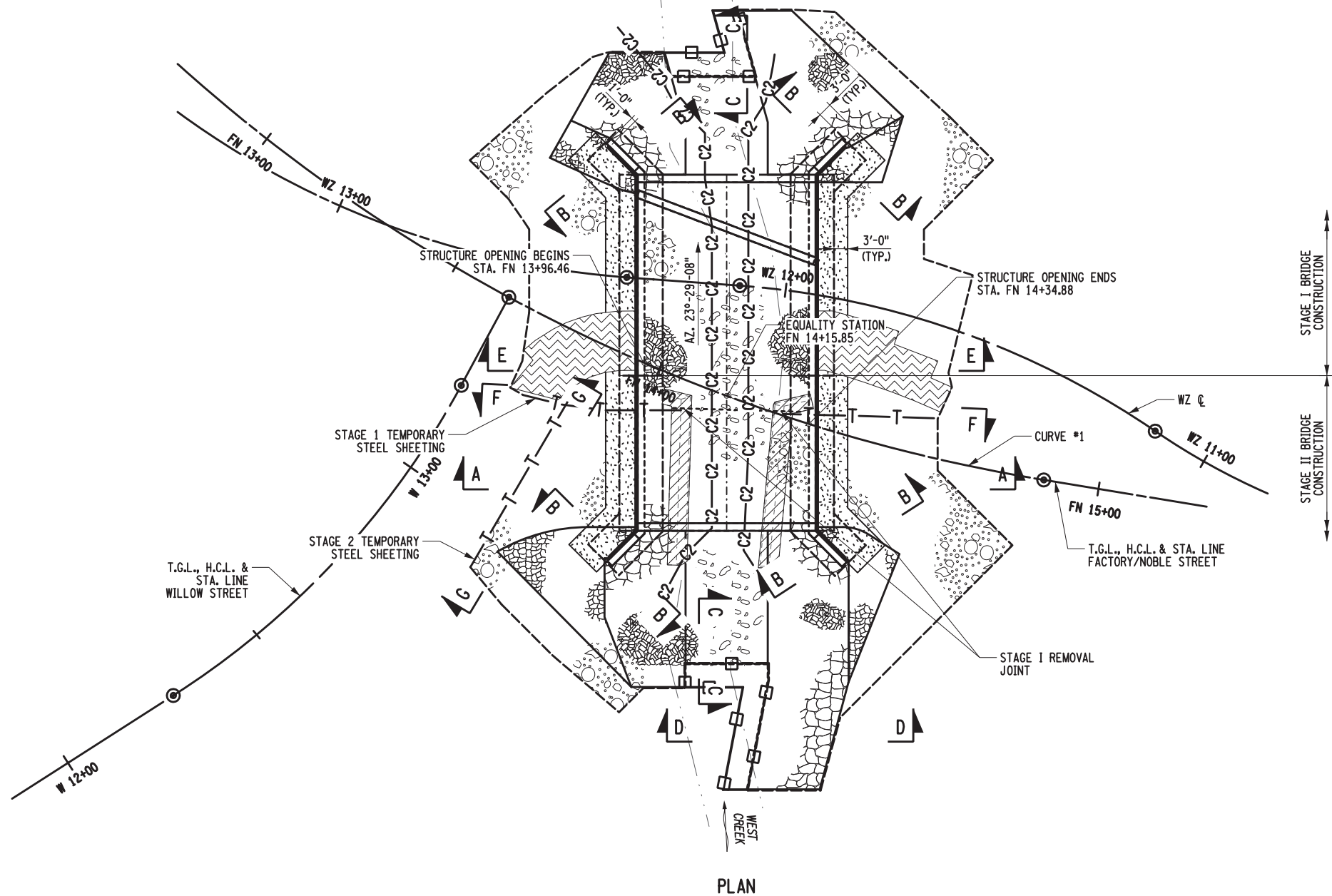
STAGE 3B (LOOKING UPSTATION)
 ** - MEASURED PERPENDICULAR TO FN C

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024
 ALTERED BY:
 ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			CONSTRUCTION STAGING (3 OF 3)	DRAWING NO. ST-5 SHEET NO. 49
	COUNTY: JEFFERSON	REGION: 7			JEFFERSON COUNTY HIGHWAY DEPARTMENT	

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.



PLAN

NOTES:

1. EXISTING STRUCTURE TO BE COMPLETELY REMOVED
2. THE CONTRACTOR SHALL MAINTAIN CREEK FLOW THROUGHOUT THE DURATION OF THE PROJECT. MEANS AND METHODS OF MAINTAINING FLOW SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, COST SHALL BE INCLUDED UNDER ITEM 553.020005, COFFERDAM (TYPE 2).
3. THE COST OF SAWCUTTING EXISTING CONCRETE DURING STAGE 1 REMOVALS SHALL BE INCLUDED UNDER ITEM 202.120001 AND ITEM 202.19
4. THE COST FOR REMOVING EXISTING STEEL RAILING SHALL BE INCLUDED UNDER ITEM 202.120001.
5. FOR SECTIONS, SEE DRAWING NO. ST-7 AND ST-8.
6. DRAINS WITH AN IMPERMEABLE CORE SHALL HAVE THE IMPERMEABLE PORTION REMOVED AT WEEPHOLE LOCATIONS WITHOUT DAMAGING THE GEOTEXTILE IN ACCORDANCE WITH SECTION 207-3.03 OF THE NYSOT STANDARD SPECIFICATIONS. ALL WEEPHOLE LOCATIONS SHALL BE REINFORCED BY PLACING AN ADDITIONAL 2'x2' SECTION OF GEOTEXTILE SECURED BY A METHOD APPROVED BY THE ENGINEER. COST SHALL BE INCLUDED UNDER ITEM 207.26.

LEGEND

- EXISTING GROUND SURFACE
- SELECT STRUCTURE FILL (ITEM 203.21), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY
- EMBANKMENT IN PLACE (ITEM 203.03)
- STONE FILLING (LIGHT) (ITEM 620.03)
- STONE FILLING (HEAVY) (ITEM 620.05)
- BEDDING MATERIAL, TYPE 1 (ITEM 620.0801)
- REMOVAL OF SUBSTRUCTURES (ITEM 202.19)
- NATIVE STREAMBED MATERIAL (ITEM 613.04000001)
- PREFABRICATED COMPOSITE STRUCTURAL DRAIN (ITEM 207.26)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01)
- TEMPORARY STEEL SHEETING (ITEM 552.13)
- COFFERDAM (TYPE 2) (ITEM 553.020005 - BEGIN) (ITEM 553.020006 - END)
- GEOSYNTHETIC REINFORCED SOIL SYSTEM WALL - WELDED WIRE FORM (ITEM 554.3001)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH & CULVERT EXCAVATION (ITEM 206.0201).

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:



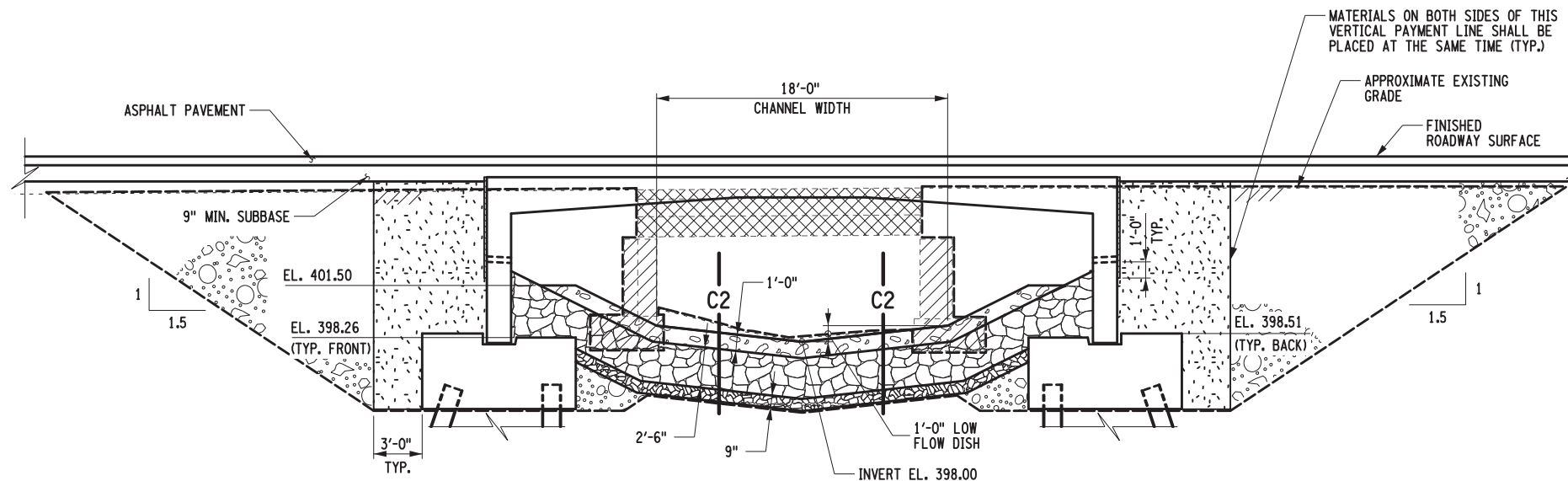
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810
VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'	
COUNTY: JEFFERSON	REGION: 7	

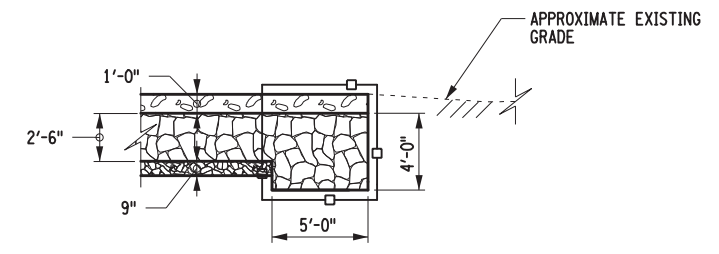
CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
DEMOLITION, EXCAVATION AND EMBANKMENT PLAN		DRAWING NO. ST-6 SHEET NO. 50

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.

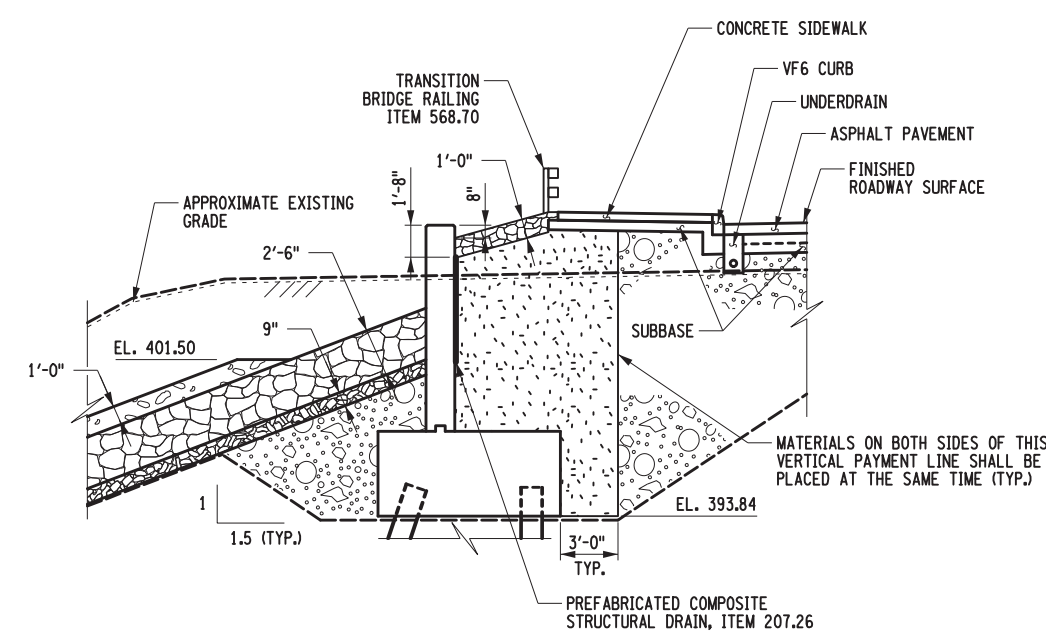
JEFFERSON COUNTY HIGHWAY DEPARTMENT	
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SECTION A-A

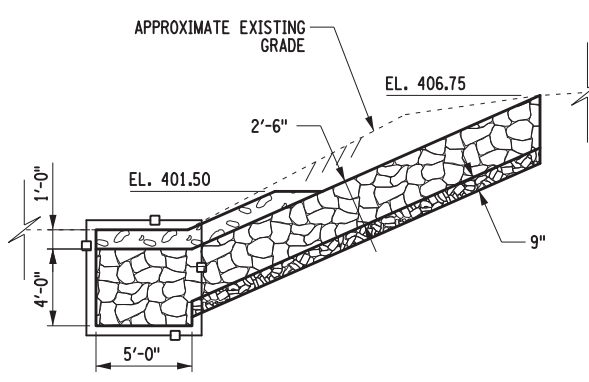


SECTION C-C



SECTION B-B

END RIGHT WINGWALL SHOWN
 ALL OTHERS SIMILAR

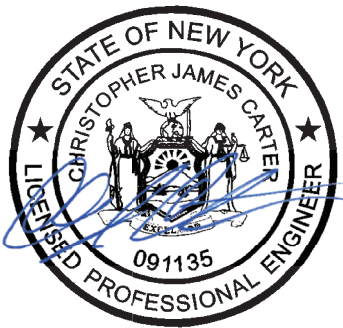


SECTION D-D

LEGEND

- REMOVE EXISTING SUPERSTRUCTURES (ITEM 202.120001)
- EXISTING GROUND SURFACE
- SELECT STRUCTURE FILL (ITEM 203.21), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY
- EMBANKMENT IN PLACE (ITEM 203.03)
- STONE FILLING (LIGHT) (ITEM 620.03)
- STONE FILLING (HEAVY) (ITEM 620.05)
- BEDDING MATERIAL, TYPE 1 (ITEM 620.0801)
- REMOVAL OF SUBSTRUCTURES (ITEM 202.19)
- NATIVE STREAMBED MATERIAL (ITEM 613.04000001)
- PREFABRICATED COMPOSITE STRUCTURAL DRAIN (ITEM 207.26)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01)
- DESIGNATES PAYMENT LINES FOR TEMPORARY STEEL SHEETING (ITEM 552.13)
- DESIGNATES COFFERDAM (TYPE 2) (ITEM 553.020005 - BEGIN), (ITEM 553.020006 - END)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH & CULVERT EXCAVATION (ITEM 206.0201).

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024
 ALTERED BY:
 ON:



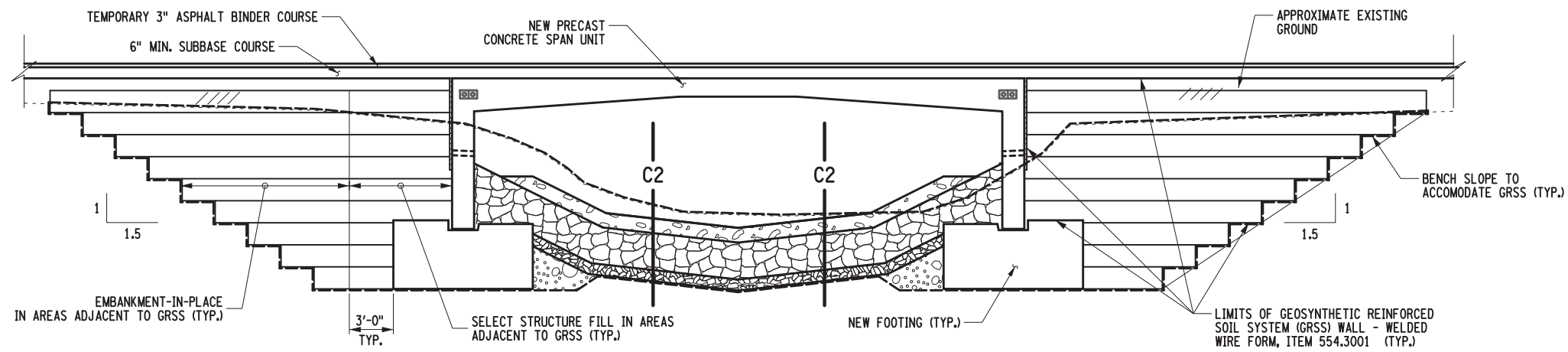
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			DEMOLITION, EXCAVATION AND EMBANKMENT SECTIONS (1 OF 2)	DRAWING NO. ST-7 SHEET NO. 51
	COUNTY: JEFFERSON	REGION: 7				JEFFERSON COUNTY HIGHWAY DEPARTMENT

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.

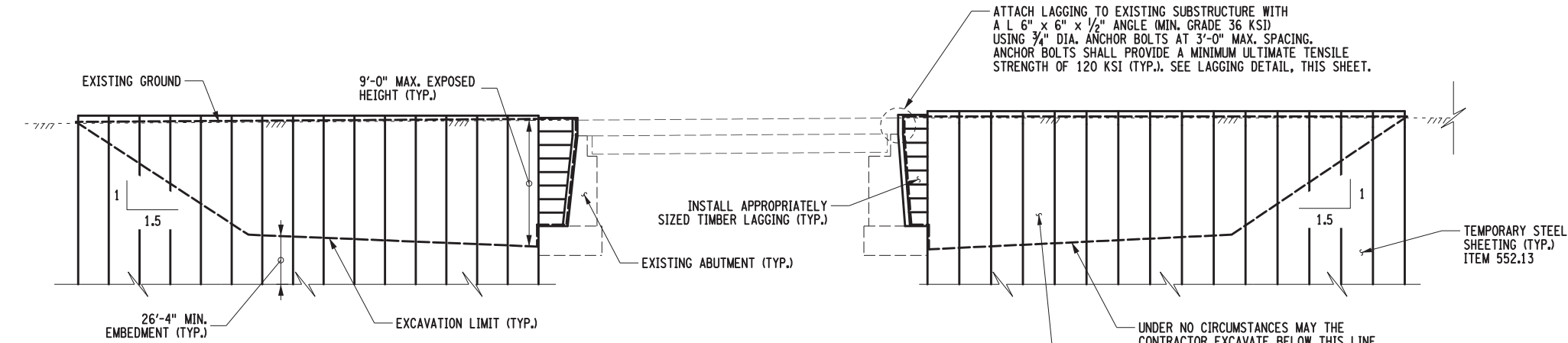
JEFFERSON COUNTY HIGHWAY DEPARTMENT		
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 USER = kalberts

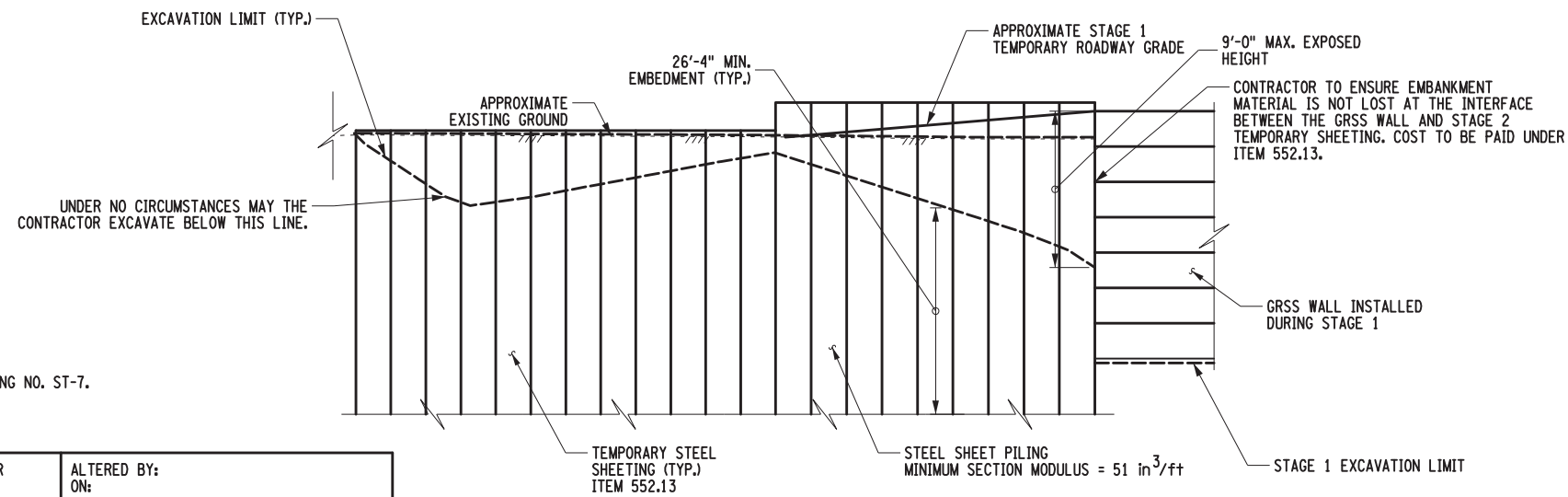
PROJECT MANAGER T. BUTLER
 CHECK T. BUTLER
 DRAFTING S. ROMEISER
 CHECK S. MILLER
 DESIGN S. ROMEISER
 JOB MANAGER C. CARTER
 DESIGN SUPERVISOR E. HILLIARD



SECTION E-E



ELEVATION F-F



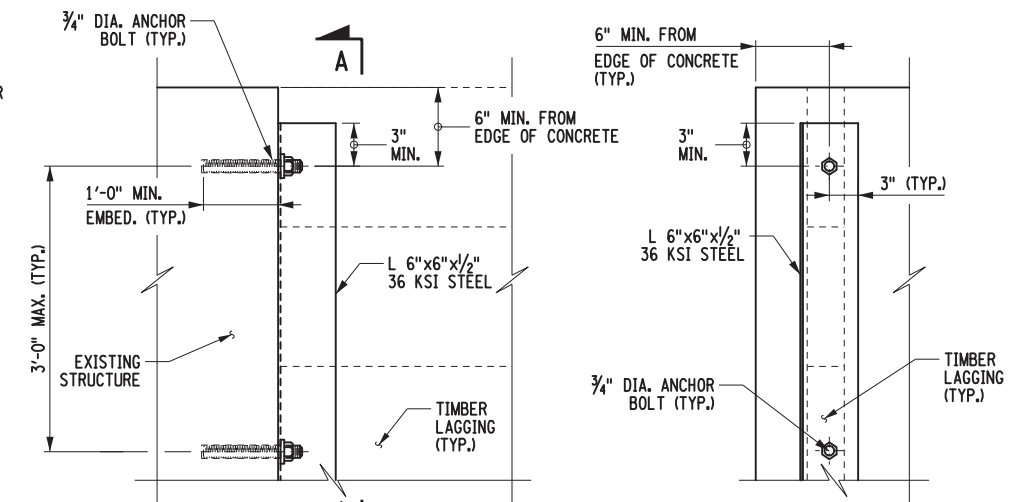
ELEVATION G-G

GRSS WALL DATA			
	WALL HEIGHT (1.0V : 1.0H)		
DESIGN HEIGHT (FT)	0-5	5-10	10-15
MAXIMUM REINFORCEMENT SPACING (FT)	2.0	2.0	2.0
MINIMUM REINFORCEMENT LENGTH (FT)	6.0	10.0	13.0
MINIMUM REINFORCEMENT TENSILE STRENGTH (LB/FT)	583	583	583

- NOTES:
- MINIMUM REINFORCEMENT LAYER LENGTHS WERE ESTABLISHED USING NYSDOT GDM, TABLE 17-15 AND GLOBAL STABILITY ANALYSIS RESULTS.
 - FOR ADDITIONAL GRSS WALL DETAILS AND NOTES, SEE NYSDOT STANDARD SHEETS FOR GEOSYNTHETICALLY REINFORCED SOIL SYSTEMS (554-02).

TEMPORARY STEEL SHEETING DESIGN DATA				
SOIL LAYER TIP (ft BELOW SURFACE)	UNIT WEIGHT (lb/ft ³)	FRICTION ANGLE (DEGREES)	COHESION (lb/in ²)	WALL FRICTION ANGLE (DEGREES)
14.5	125	30	-	20
18.5	124	-	250	20
26.5	113	-	750	20
106.5	113	-	250	20

- NOTES:
- DIVIDE THE PASSIVE EARTH PRESSURE COEFFICIENT (KP) BY 1.25.
 - GROUNDWATER IS ASSUMED AT ELEVATION 398.00 IN FRONT OF THE WALL AND ELEVATION 401.00 BEHIND THE WALL.
 - A SURCHARGE LOAD OF 250 lb/in³ IS ASSUMED AT THE TOP OF THE WALL.



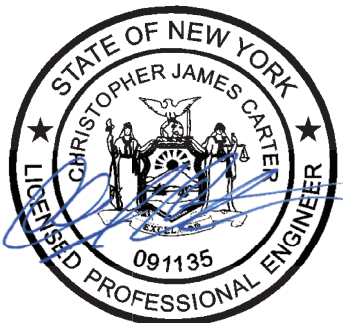
LAGGING DETAIL
N.T.S.

SECTION A-A

NOTES:

- FOR LEGEND, SEE DRAWING NO. ST-7.

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024
 ALTERED BY:
 ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS
VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'		
COUNTY: JEFFERSON	REGION: 7		

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
DEMOLITION, EXCAVATION AND EMBANKMENT SECTIONS (2 OF 2)	DRAWING NO. ST-8 SHEET NO. 52

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.

JEFFERSON COUNTY HIGHWAY DEPARTMENT



FILE NAME = U:\192800\06\Transportation\Design - Bridge\Drawing\Plan Set\ST-9 Structure Plan.dgn
 DATE/TIME = 3/5/2024 2:50:49 PM
 USER = kalberts

DESIGN SUPERVISOR E. HILLIARD

JOB MANAGER C. CARTER

DESIGN S. ROMEISER

CHECK S. MILLER

DRAFTING S. ROMEISER

CHECK T. BUTLER

PROJECT MANAGER T. BUTLER

ASSUMED UNFACTORED SPAN UNIT REACTIONS		FINAL UNFACTORED SPAN UNIT REACTIONS	
VERTICAL kip/ft.	DC	4.64	DC
	DW	14.22	DW
	LL	5.83	LL
HORIZONTAL kip/ft.	DC	0.00	DC
	DW	0.00	DW
	EH	9.87	EH

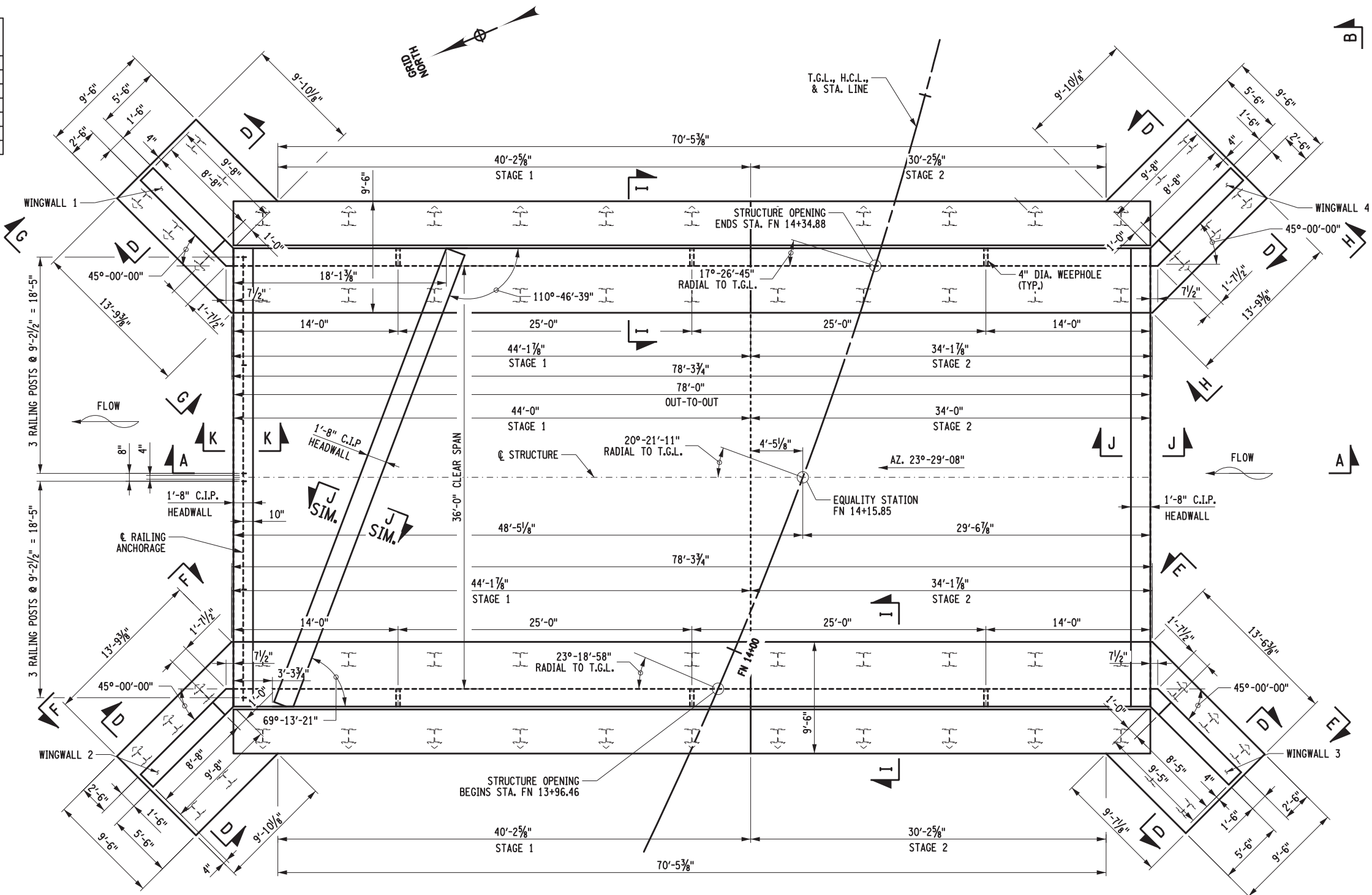
LOADS SHALL BE REVISED BY STRUCTURE SUPPLIER AND SENT TO ENGINEER FOR FOOTING VERIFICATION.

GEOTECHNICAL DESIGN DATA						
FRICITION ANGLE OF SOIL RETAINED BY THE WALL (DEGREES)	FRICITION ANGLE OF FOUNDATION SOIL (DEGREES)	TOTAL SOIL UNIT WEIGHT (lb/ft ³)	MAXIMUM SERVICE LIMIT STATE BEARING RESISTANCE (lb/ft ²)	NOMINAL COEFFICIENT OF FRICTION FOR SLIDING	STRENGTH LIMIT STATE RESISTANCE FACTOR FOR SLIDING	STRENGTH LIMIT STATE RESISTANCE FACTOR FOR BEARING
35	30	130	--	--	--	--

- FOR THE SLIDING AND ECCENTRICITY ANALYSES, ASSUME GROUNDWATER ELEVATION TO BE AT GROUND SURFACE.
- FOR THE BEARING ANALYSES, ASSUME GROUNDWATER ELEVATION TO BE AT GROUND SURFACE.
- USE SUBMERGED UNIT WEIGHTS BELOW THE GROUNDWATER ELEVATIONS PROVIDED.
- ASSUME A SURCHARGE LOAD OF 250 POUNDS PER SQUARE FOOT.
- REFER TO PILE NOTES ON DRAWING NO. ST-11 & ST-12 FOR DESIGN VALUES.

NOTES:

- FOR PAVEMENT LIFT THICKNESS AND PAYMENT ITEMS, SEE DRAWING NO. TYP-1. FOR SECTIONS A-A, D-D & I-I, SEE DRAWING NO. ST-10. FOR ELEVATIONS B-B, SEE DRAWING NO. ST-10. FOR ELEVATIONS E-E, F-F, G-G & H-H, SEE DRAWING NO. ST-15. FOR SECTION J-J & K-K, SEE DRAWING NO. ST-19.
- IF THE REACTIONS OF THE SELECTED SPAN UNIT EXCEED THE VALUES SHOWN IN THE ASSUMED UNFACTORED SPAN UNIT REACTIONS TABLE, THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A NYS LICENSED PROFESSIONAL ENGINEER TO VERIFY OR REDESIGN THE SUBSTRUCTURE. THE CALCULATIONS SHALL BE PREPARED, STAMPED AND SIGNED BY THE NYS PROFESSIONAL ENGINEER AND SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTING THE SUBSTRUCTURES. COSTS ASSOCIATED WITH A REDESIGNED SUBSTRUCTURE SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE DESIGN OF THE THREE-SIDED FRAME SHALL ASSUME A HINGE AND ROLLER SUPPORT CONDITION.

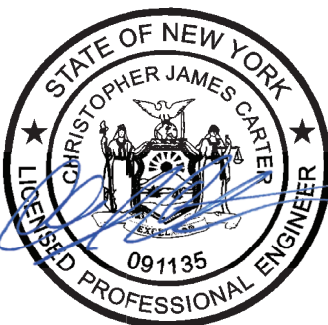


STRUCTURE PLAN



AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

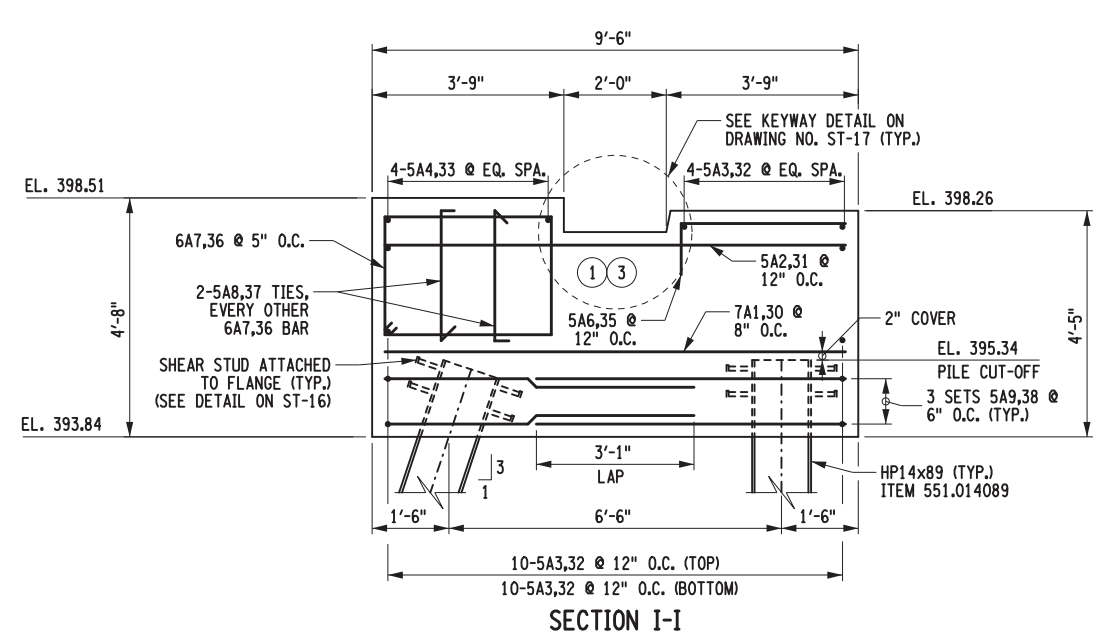
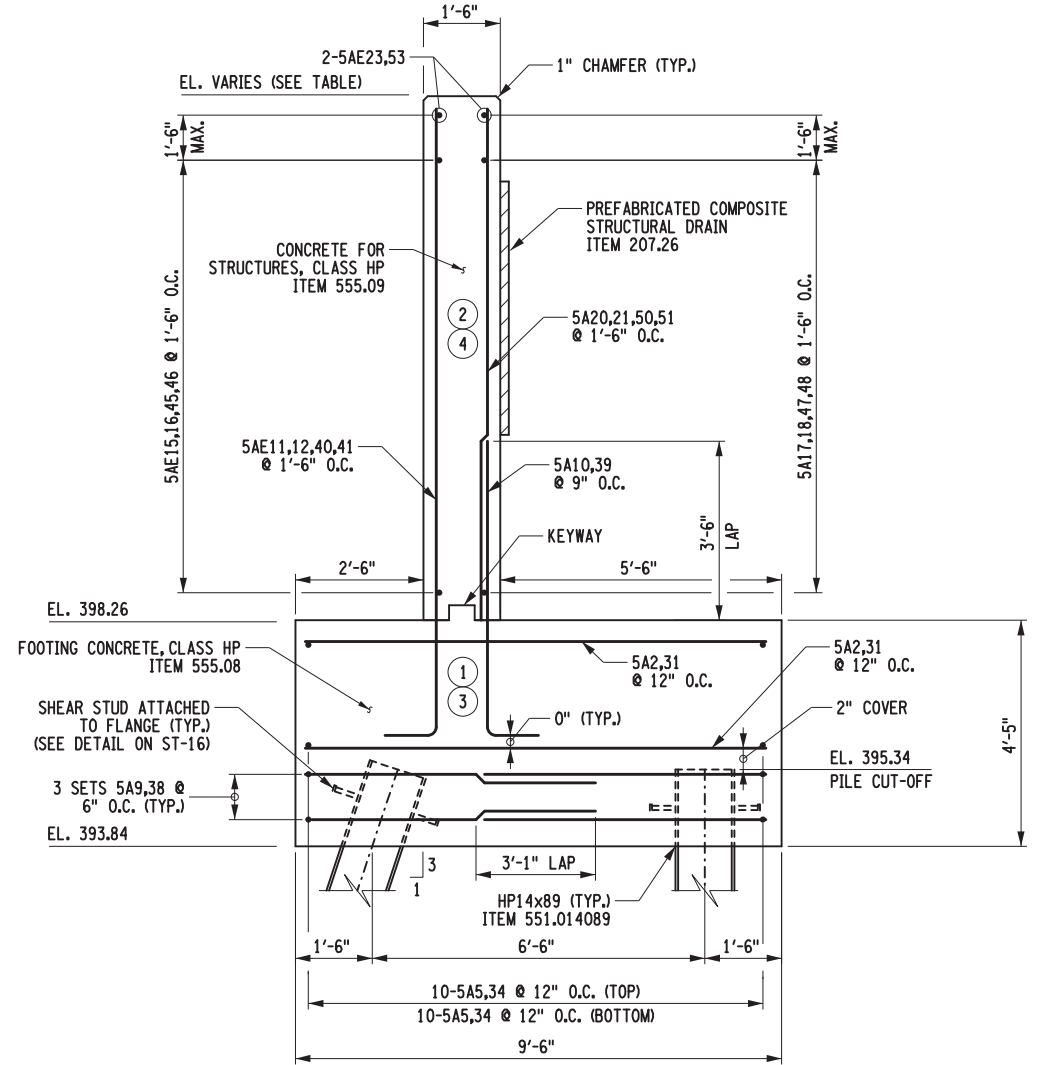
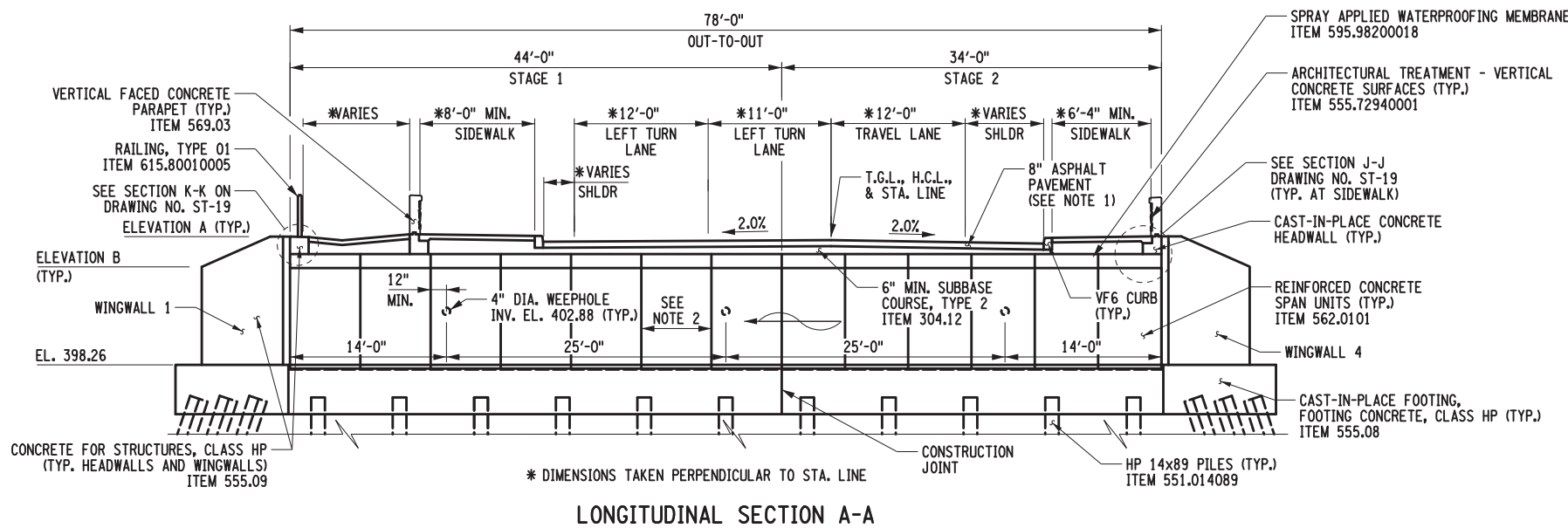


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	COUNTY: JEFFERSON	REGION: 7			STRUCTURE PLAN	DRAWING NO. ST-9 SHEET NO. 53

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.

JEFFERSON COUNTY
 HIGHWAY DEPARTMENT





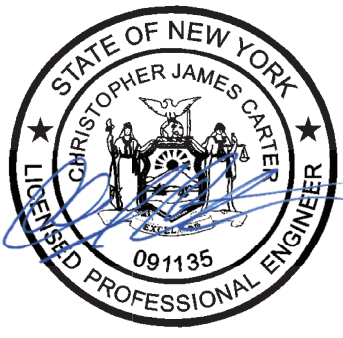
WINGWALL DATA		
LOCATION	ELEVATION A	ELEVATION B
WINGWALL 1	409.77	407.03
WINGWALL 2	409.92	407.08
WINGWALL 3	409.94	407.07
WINGWALL 4	409.80	407.16

ALL ELEVATIONS SHOWN ARE IN FEET.

- NOTES:**
- FOR PAVEMENT LIFT THICKNESS AND PAYMENT ITEMS, SEE DRAWING NO. TYP-2
 - THE LENGTH OF EACH STRUCTURE SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR. THE STRUCTURE SEGMENT LENGTH MUST BE COMPATIBLE WITH STAGING REQUIREMENTS
 - ACTUAL PRECAST SPAN UNIT WALL AND SLAB THICKNESS, REINFORCEMENT SIZES AND SPACINGS TO BE DETERMINED BY CONTRACTOR.
 - ALL EXPOSED CONCRETE CORNERS SHALL HAVE A 1" CHAMFER.
 - ALL REINFORCEMENT COVER ON REINFORCED CONCRETE SPAN UNITS, CAST-IN-PLACE CONCRETE HEADWALLS, PEDESTAL WALLS AND WINGWALLS SHALL BE 2". ALL REINFORCEMENT COVER ON CAST-IN-PLACE CONCRETE FOOTINGS SHALL BE 3".
 - BAR SPACINGS SHOWN ARE MAXIMUM UNLESS OTHERWISE NOTED.
 - Ⓢ INDICATES PLACEMENT NUMBER
 - TRANSVERSE TENDON LOCATION TO BE DETERMINED BY CONTRACTOR.

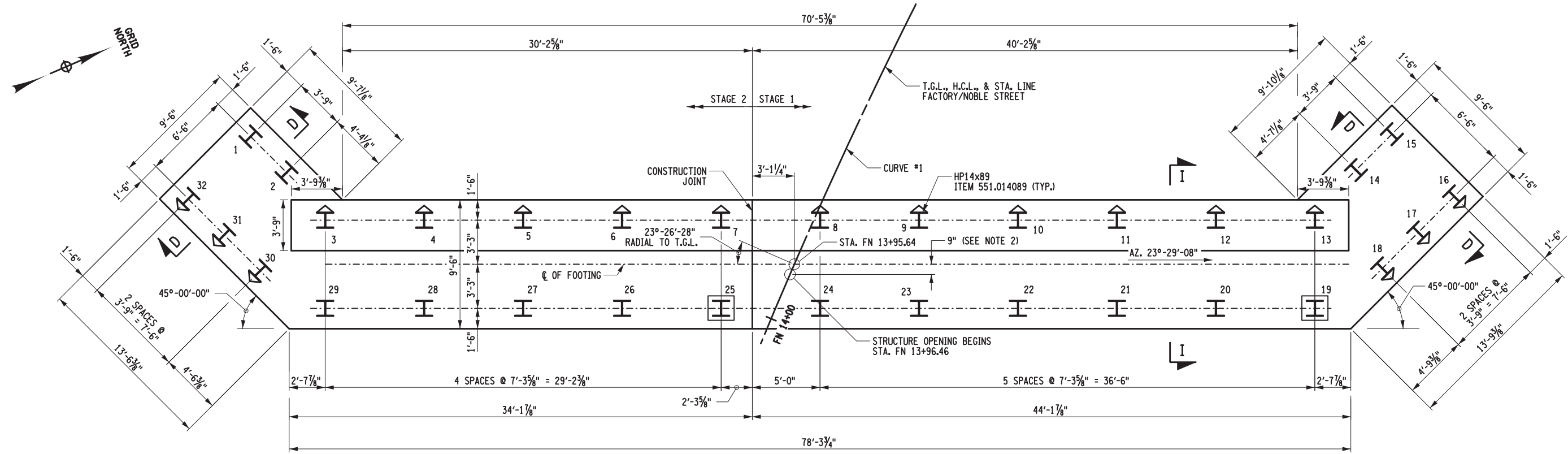
AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			STRUCTURE SECTIONS	DRAWING NO. ST-10 SHEET NO. 54
COUNTY: JEFFERSON REGION: 7				JEFFERSON COUNTY HIGHWAY DEPARTMENT		

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.



BEGIN FOUNDATION PLAN

NOTES:

- FOR SECTIONS D-D & I-I, SEE DRAWING ST-10.
 FOR STRIP FOOTING AND WINGWALL REINFORCEMENT, SEE DRAWING ST-13 TO ST-15.
 FOR STRUCTURE DETAILS, SEE DRAWING ST-17.
- DIMENSIONS ARE BASED ON AN ASSUMED SPAN UNIT WALL THICKNESS OF 1'-6".
 FOOTING SHALL BE CENTERED ON THE ACTUAL SPAN UNIT WALL SUPPLIED.

PILE NOTES:

- FOR PILE CUT-OFF ELEVATIONS, SEE STRUCTURE SECTIONS, DRAWING ST-10.
 - THE ENGINEER IN CHARGE SHALL FILL IN THE ACTUAL PILE LENGTHS IN THE PILE TABLE.
 - FOR PILE DETAILS, SEE DRAWING ST-16.
- STRIP FOOTING PILES (PILES 3-13 & 19-29):
- FOR DESIGN PURPOSES THE PILE LOADS DO NOT EXCEED A STRENGTH LIMIT LOAD OF 236 KIPS PER PILE AND A MAXIMUM SERVICE LIMIT LOAD OF 149 KIPS PER PILE.
 - ESTIMATED PILE LENGTH IS 110 FEET BELOW THE BOTTOM OF THE ABUTMENT STEM.
- WINGWALL PILES (PILES 1-2, 14-18, AND 30-32):
- FOR DESIGN PURPOSES THE PILE LOADS DO NOT EXCEED A STRENGTH LIMIT LOAD OF 88 KIPS PER PILE AND A MAXIMUM SERVICE LIMIT LOAD OF 59 KIPS PER PILE.
 - ESTIMATED PILE LENGTH IS 110 FEET BELOW THE BOTTOM OF THE WINGWALL FOOTING.

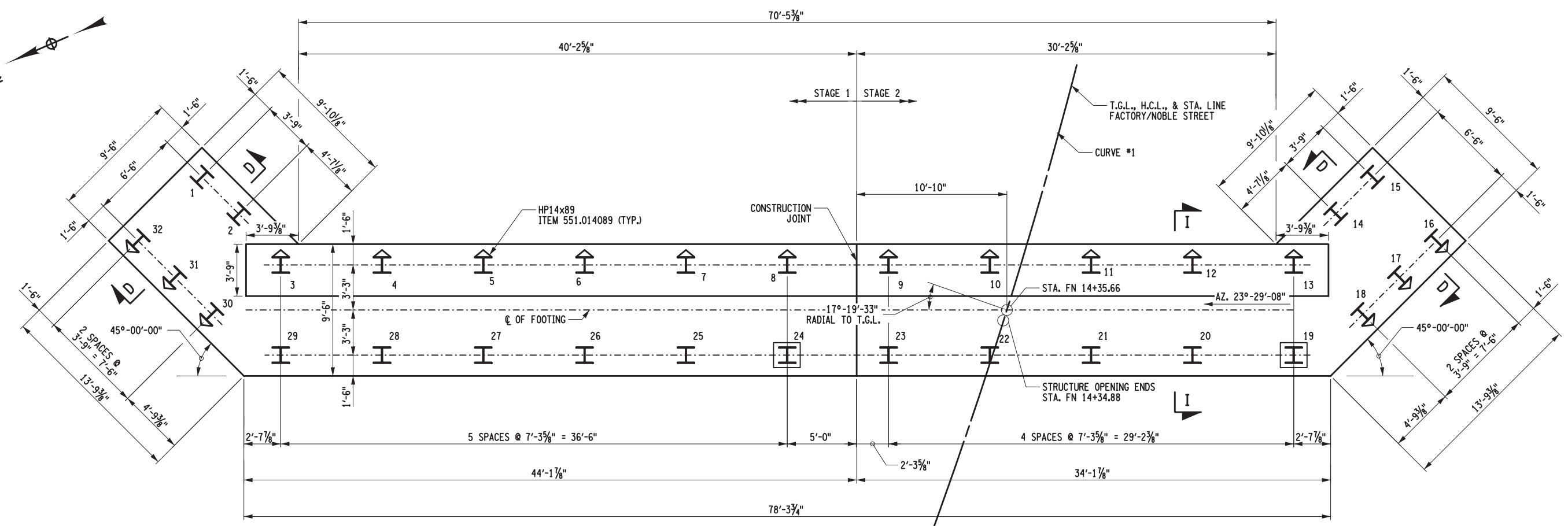
LEGEND	
	STEEL H-PILE, ITEM 551.014089
	BATTERED H-PILE, ITEM 551.014089 (3 ON 1 BATTER)
	DYNAMIC PILE TESTING, ITEM 551.14

PILE TABLE					
PILE NO.	LENGTH BELOW CUT-OFF	PILE SIZE	PILE NO.	LENGTH BELOW CUT-OFF	PILE SIZE
1		HP 14 x 89	17		HP 14 x 89
2		HP 14 x 89	18		HP 14 x 89
3		HP 14 x 89	19		HP 14 x 89
4		HP 14 x 89	20		HP 14 x 89
5		HP 14 x 89	21		HP 14 x 89
6		HP 14 x 89	22		HP 14 x 89
7		HP 14 x 89	23		HP 14 x 89
8		HP 14 x 89	24		HP 14 x 89
9		HP 14 x 89	25		HP 14 x 89
10		HP 14 x 89	26		HP 14 x 89
11		HP 14 x 89	27		HP 14 x 89
12		HP 14 x 89	28		HP 14 x 89
13		HP 14 x 89	29		HP 14 x 89
14		HP 14 x 89	30		HP 14 x 89
15		HP 14 x 89	31		HP 14 x 89
16		HP 14 x 89	32		HP 14 x 89

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS					UTILITY QUALITY LEVEL 'D'
	COUNTY: JEFFERSON	REGION: 7				DRAWING NO. ST-11 SHEET NO. 55
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.					JEFFERSON COUNTY HIGHWAY DEPARTMENT	



END FOUNDATION PLAN

NOTES:

- FOR SECTIONS D-D & I-I, SEE DRAWING ST-10. FOR STRIP FOOTING AND WINGWALL REINFORCEMENT, SEE DRAWING ST-13 TO ST-15. FOR STRUCTURE DETAILS, SEE DRAWING ST-17.
- DIMENSIONS ARE BASED ON AN ASSUMED SPAN UNIT WALL THICKNESS OF 1'-6". FOOTING SHALL BE CENTERED ON THE ACTUAL SPAN UNIT WALL SUPPLIED.

PILE NOTES:

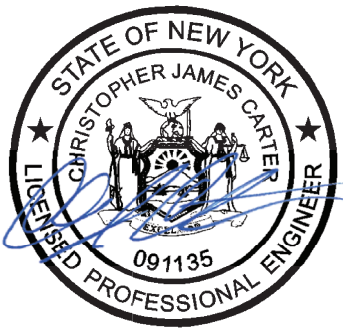
- FOR PILE CUT-OFF ELEVATIONS, SEE STRUCTURE SECTIONS, DRAWING ST-10.
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LEGEND	
	STEEL H-PILE, ITEM 551.014089
	BATTERED H-PILE, ITEM 551.014089 (3 ON 1 BATTER)
	DYNAMIC PILE TESTING, ITEM 551.14

PILE TABLE					
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9		HP 14 x 89	25		HP 14 x 89
10		HP 14 x 89	26		HP 14 x 89
11		HP 14 x 89	27		HP 14 x 89
12		HP 14 x 89	28		HP 14 x 89
13		HP 14 x 89	29		HP 14 x 89
14		HP 14 x 89	30		HP 14 x 89
15		HP 14 x 89	31		HP 14 x 89
16		HP 14 x 89	32		HP 14 x 89

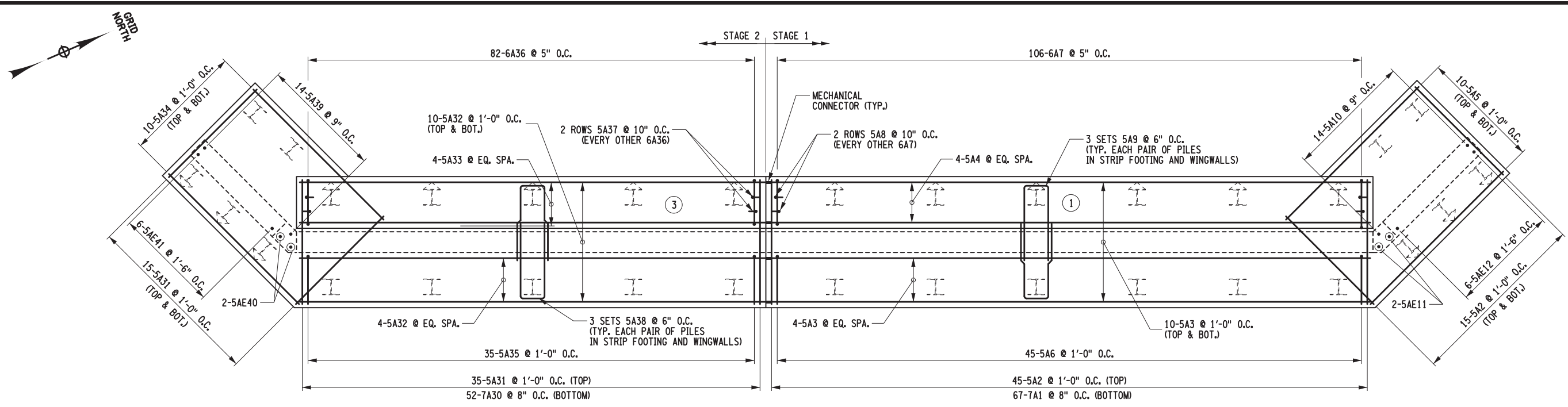
AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

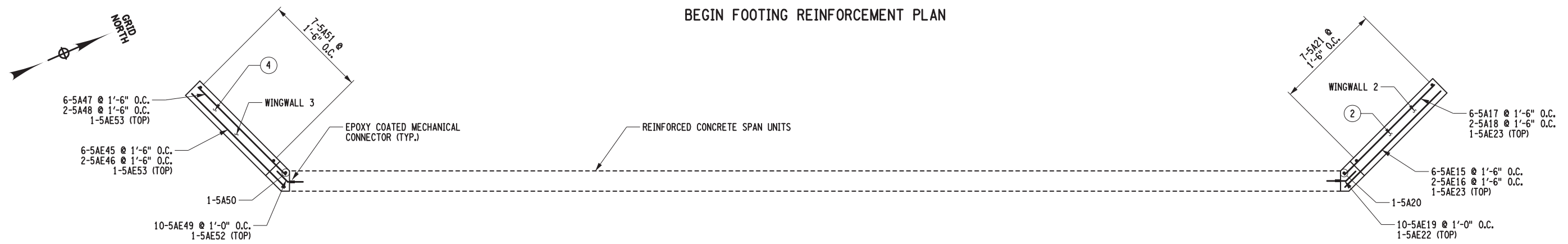


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			FOUNDATION PLAN - END	DRAWING NO. ST-12 SHEET NO. 56
COUNTY: JEFFERSON REGION: 7				JEFFERSON COUNTY HIGHWAY DEPARTMENT		

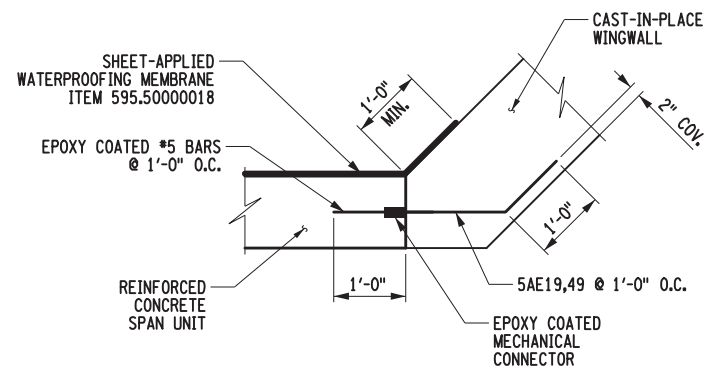
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BEGIN FOOTING REINFORCEMENT PLAN



BEGIN WINGWALL REINFORCEMENT PLAN



WINGWALL/SPAN UNIT CONNECTION DETAIL

- NOTES:**
- COVER FOR STEEL REINFORCEMENT IN WINGWALLS SHALL BE 2" UNLESS OTHERWISE NOTED. COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED.
 - BAR SPACINGS SHOWN ARE MAXIMUM SPACINGS UNLESS OTHERWISE NOTED.
 - Ⓝ INDICATES PLACEMENT NUMBER.

CONCRETE PLACEMENT TABLE		
PLACEMENT	ITEM 555.08	ITEM 555.09
1	85.5	—
2	—	6.0
3	69.2	—
4	—	5.8

ALL QUANTITIES ARE IN CUBIC YARDS

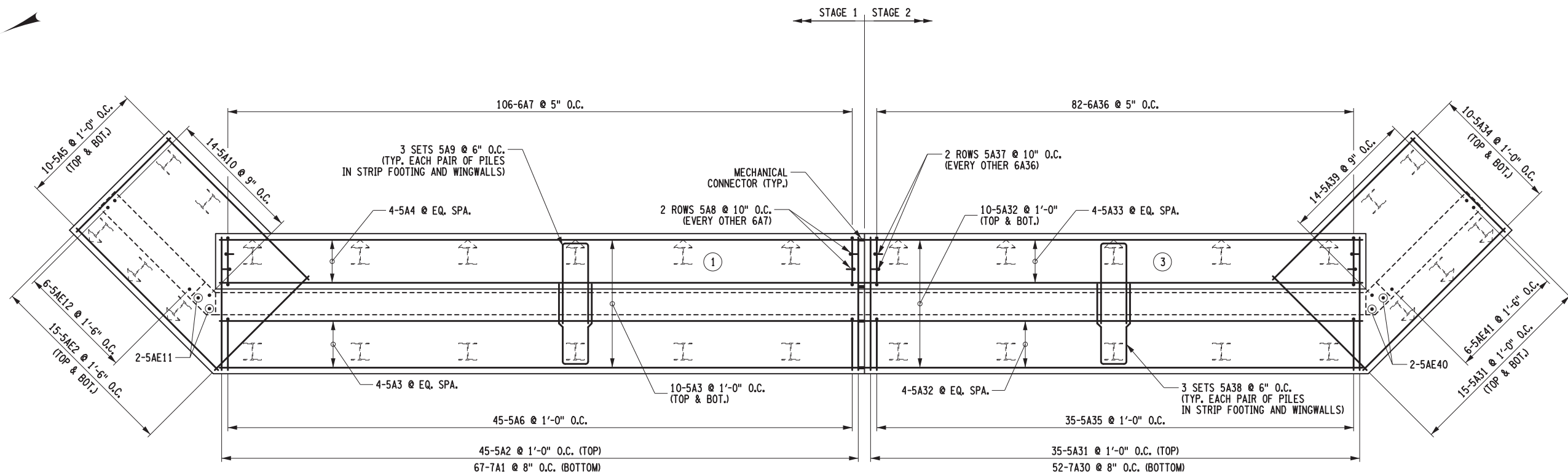
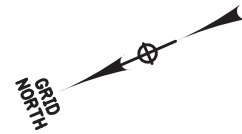
* PLACEMENT NUMBERS ARE FOR REFERENCE ONLY AND DO NOT INDICATE A SEQUENCE OF CONCRETE PLACEMENT.

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024
 ALTERED BY:
 ON:

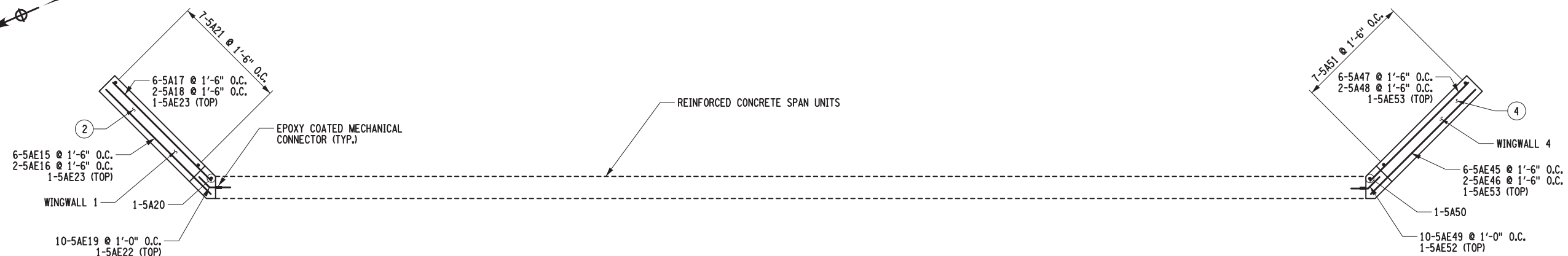


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			BEGIN FOOTING AND WINGWALL REINFORCEMENT PLAN	DRAWING NO. ST-13 SHEET NO. 57
COUNTY: JEFFERSON REGION: 7		JEFFERSON COUNTY HIGHWAY DEPARTMENT		Stantec		

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.



END FOOTING REINFORCEMENT PLAN



END WINGWALL REINFORCEMENT PLAN

NOTES:

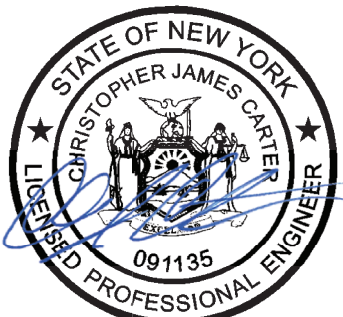
- COVER FOR STEEL REINFORCEMENT IN WINGWALLS SHALL BE 2" UNLESS OTHERWISE NOTED. COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED.
- BAR SPACINGS SHOWN ARE MAXIMUM SPACINGS UNLESS OTHERWISE NOTED.
- ⊕ INDICATES PLACEMENT NUMBER.

CONCRETE PLACEMENT TABLE		
PLACEMENT	ITEM 555.08	ITEM 555.09
1	85.5	—
2	—	5.9
3	69.6	—
4	—	6.0

ALL QUANTITIES ARE IN CUBIC YARDS

• PLACEMENT NUMBERS ARE FOR REFERENCE ONLY AND DO NOT INDICATE A SEQUENCE OF CONCRETE PLACEMENT.

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024
 ALTERED BY:
 ON:

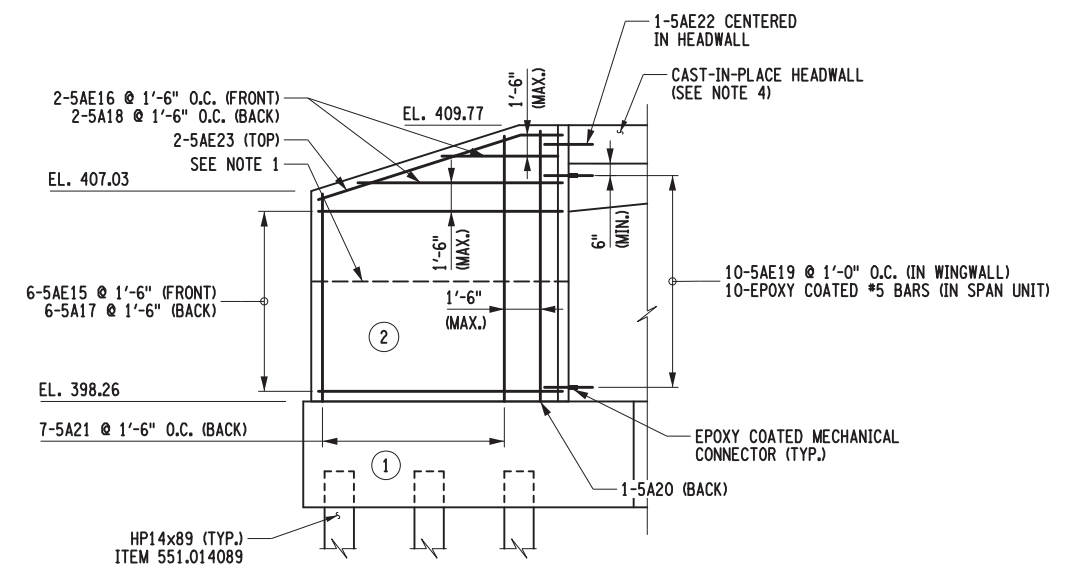


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			END FOOTING AND WINGWALL REINFORCEMENT PLAN	DRAWING NO. ST-14 SHEET NO. 58
	COUNTY: JEFFERSON	REGION: 7			JEFFERSON COUNTY HIGHWAY DEPARTMENT	

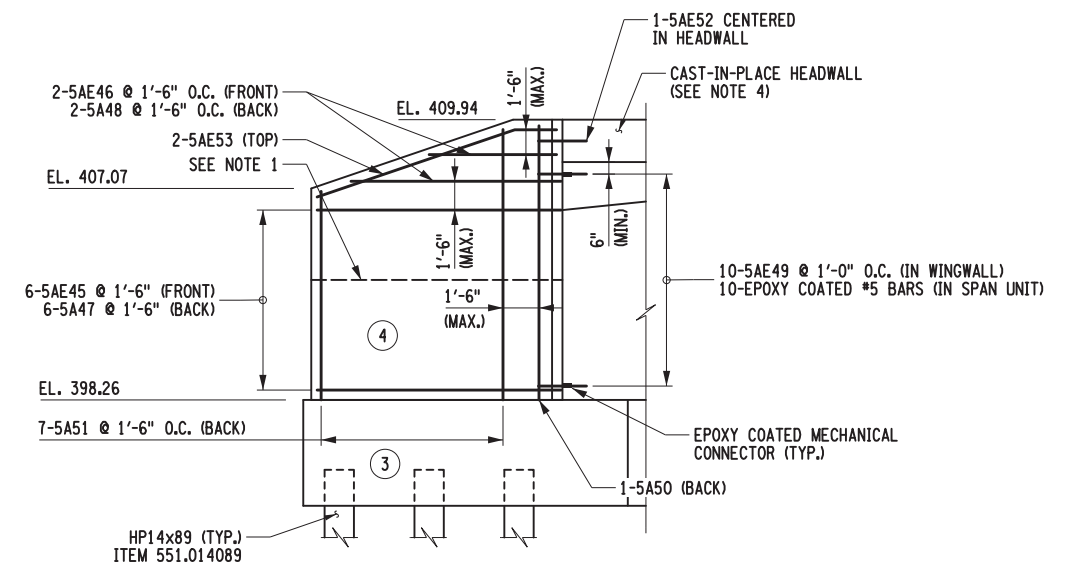
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FILE NAME = U:\192800\186\Transportation\Design - Bridge\Drawing\Plan Set\ST-15 Wingwall Reinforcement Elevations.dgn
 DATE/TIME = 3/5/2024 2:50:54 PM
 USER = kalberts

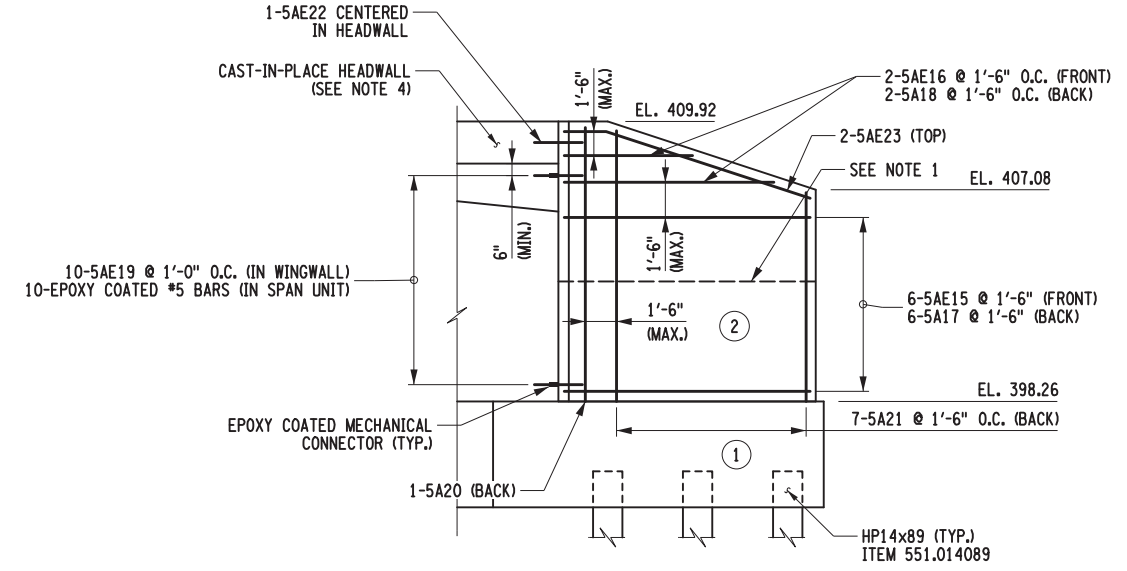
DESIGN SUPERVISOR E. HILLIARD
 JOB MANAGER C. CARTER
 DESIGN S. ROMEISER
 CHECK S. MILLER
 DRAFTING S. ROMEISER
 K. ALBERTS
 CHECK T. BUTLER
 PROJECT MANAGER T. BUTLER



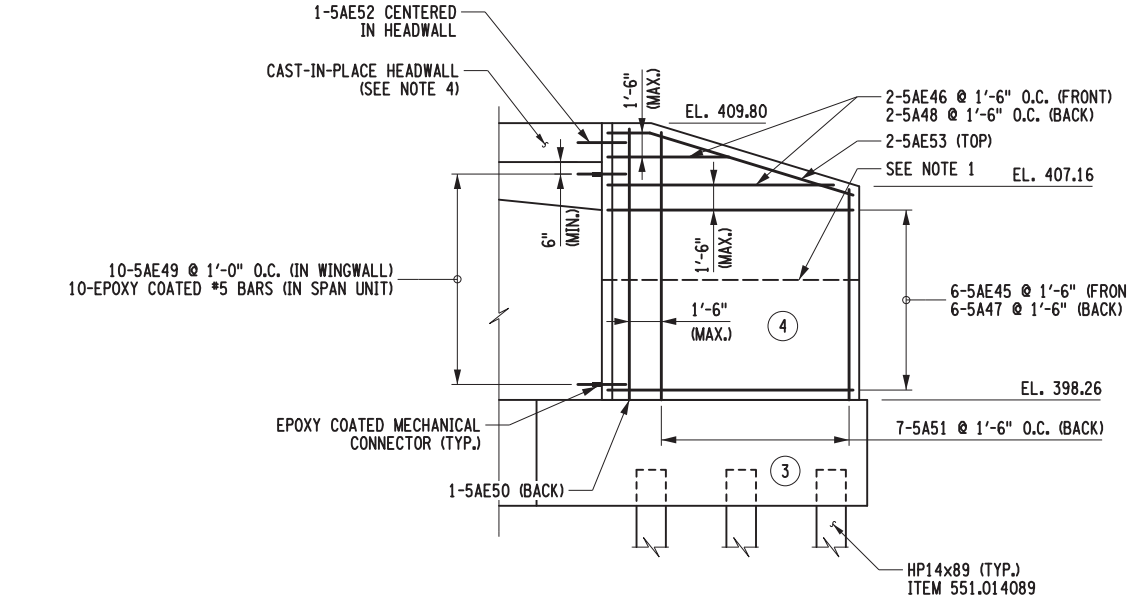
ELEVATION G-G (WINGWALL 1)



ELEVATION E-E (WINGWALL 3)



ELEVATION F-F (WINGWALL 2)



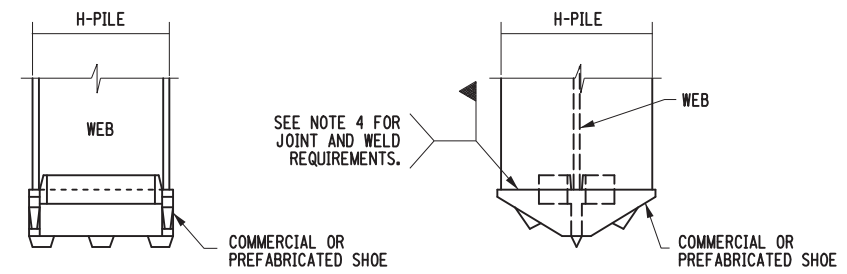
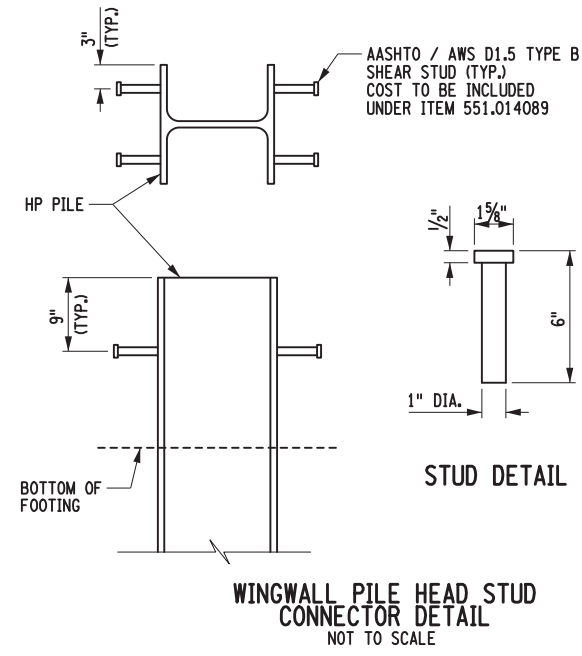
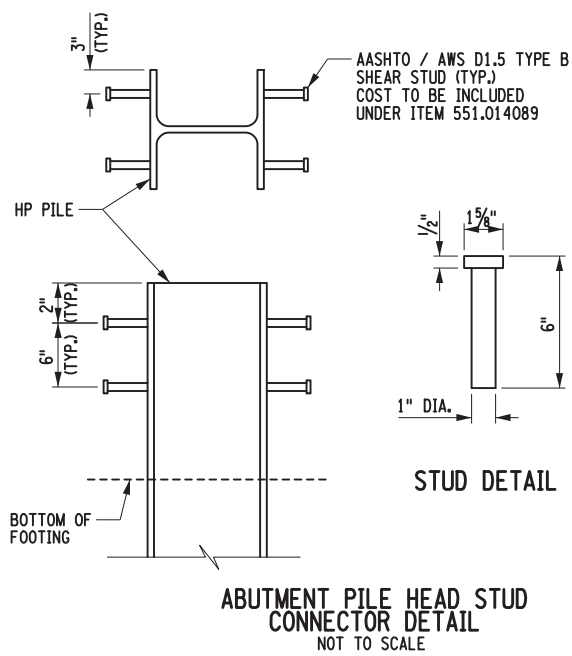
ELEVATION H-H (WINGWALL 4)

- NOTES:**
- CONTRACTOR SHALL HAVE THE OPTION OF INTRODUCING HORIZONTAL CONSTRUCTION JOINTS IN WINGWALLS IF REQUIRED TO ACCOMMODATE PLACEMENT OF FILL, REMOVAL OF COFFERDAMS, AND INSTALLATION OF REINFORCED CONCRETE SPAN UNITS. ALL HORIZONTAL CONSTRUCTION JOINTS INTRODUCED SHALL HAVE TYPE D WATERSTOPS AND KEYWAYS.
 - COVER FOR STEEL REINFORCEMENT IN WINGWALLS SHALL BE 2" UNLESS OTHERWISE NOTED.
 - BAR SPACINGS SHOWN ARE MAXIMUM SPACINGS UNLESS OTHERWISE NOTED.
 - ⊕ INDICATES PLACEMENT NUMBER.
 - FOR HEADWALL REINFORCEMENT, SEE DRAWING ST-19.
 - ALL EXPOSED CAST-IN-PLACE CONCRETE SURFACES SHALL BE PROTECTIVELY SEALED (ITEM 559.02).

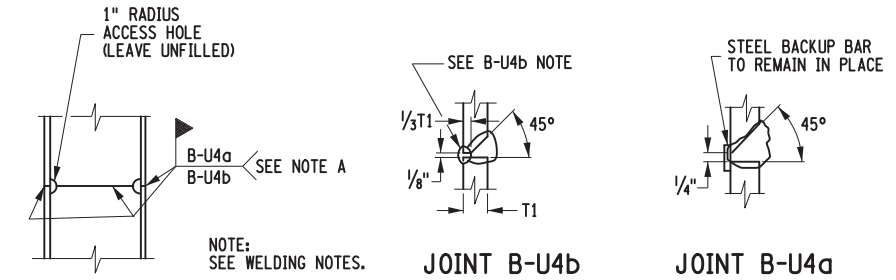
AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

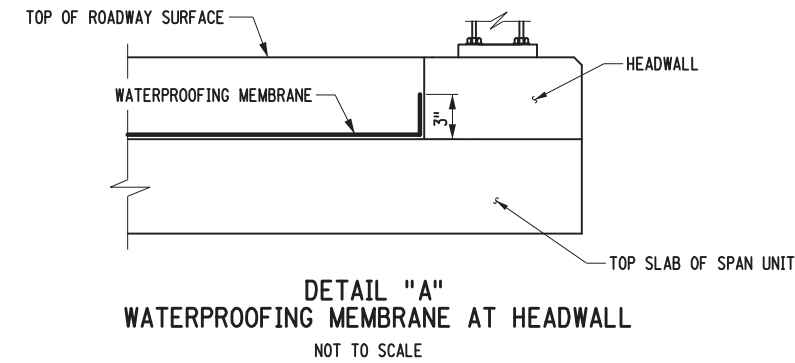
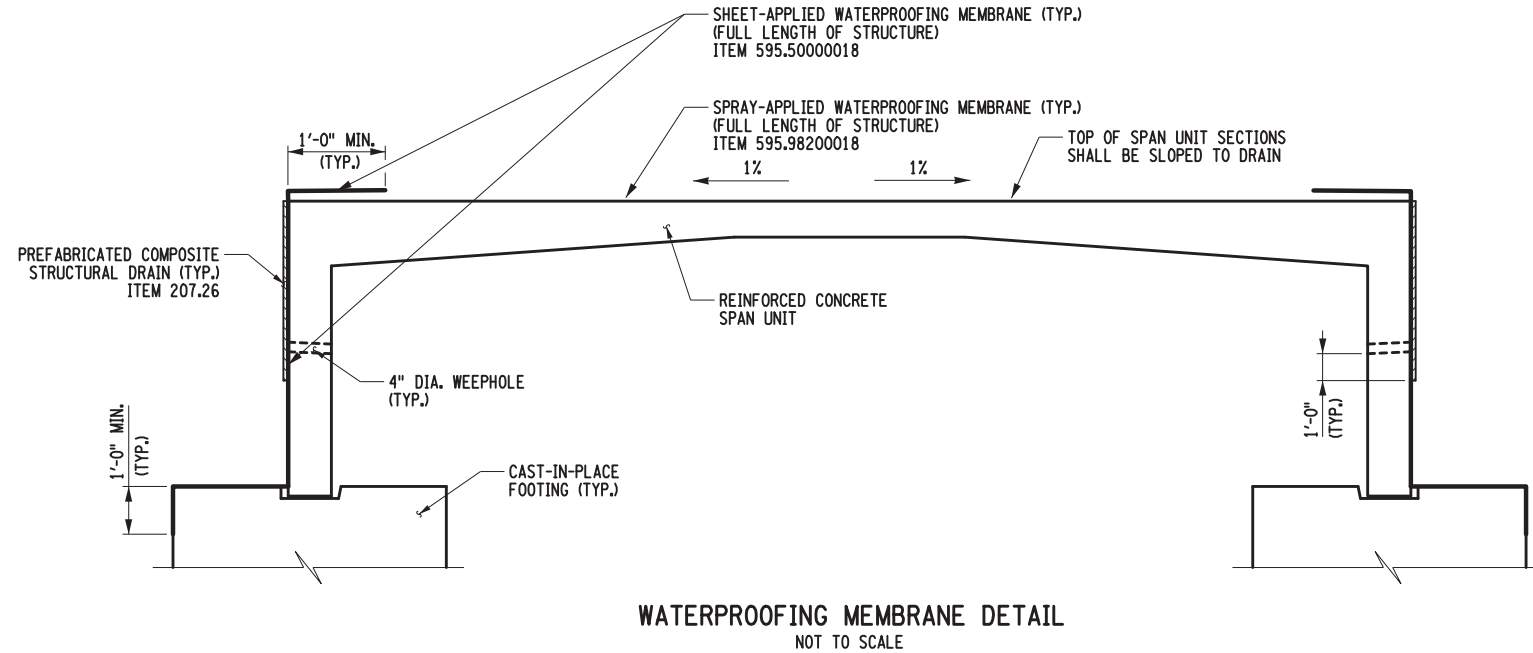
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			WINGWALL REINFORCEMENT ELEVATIONS	DRAWING NO. ST-15 SHEET NO. 59
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.		COUNTY: JEFFERSON	REGION: 7	JEFFERSON COUNTY HIGHWAY DEPARTMENT		



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

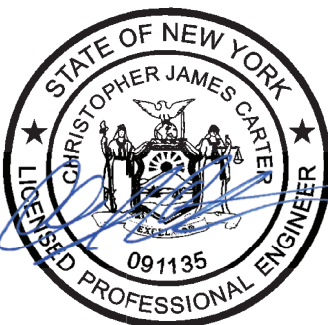


- WELDING NOTES:
- A "WELDING PROCEDURE SPECIFICATION" (WPS) APPROVED BY THE ENGINEER IS REQUIRED.
- ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER IN CONFORMANCE WITH REQUIREMENTS FOR WELDING SPECIFIED IN THE N.Y.S. STEEL CONSTRUCTION MANUAL.
- A: EITHER JOINT MAY BE USED AT CONTRACTOR'S OPTION.
- B-U4b: AIR CARBON ARC GOUGE TO SOUND WELD METAL PRIOR TO WELDING THE SECOND SIDE. THE GOUGE SHALL HAVE A 1/4" MINIMUM RADIUS AT THE ROOT WITH THE TOP SLOPED BACK AT 45° MINIMUM.



AFFIX SEAL: CHRISTOPHER J. CARTER
ON: MARCH 5, 2024

ALTERED BY:
ON:

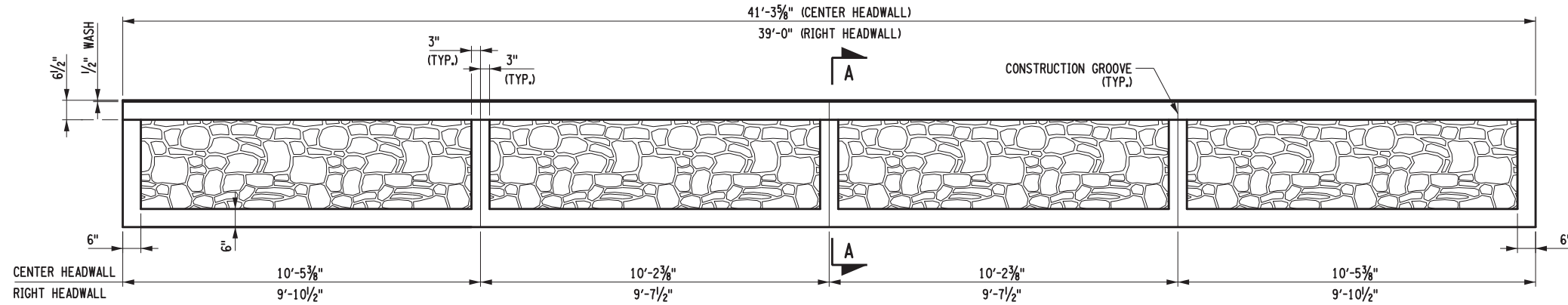


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	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			STRUCTURE DETAILS	DRAWING NO. ST-16
	COUNTY: JEFFERSON	REGION: 7				SHEET NO. 60

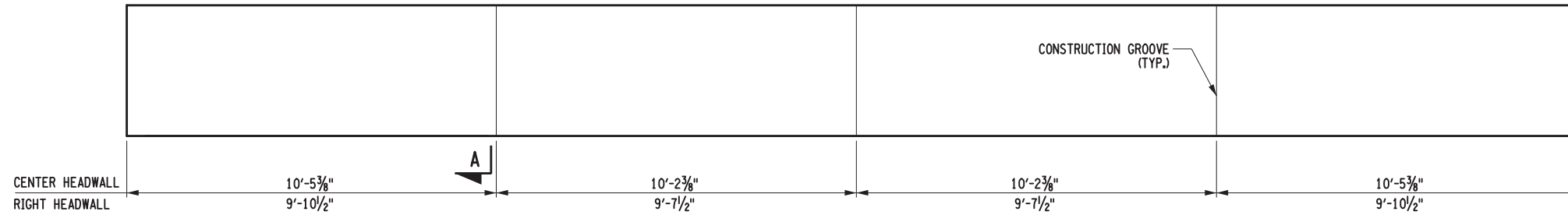
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JEFFERSON COUNTY
HIGHWAY DEPARTMENT

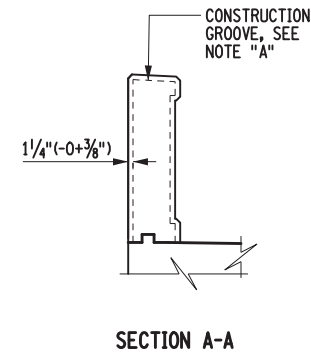




CONCRETE BARRIER GROOVE SPACING
(LOOKING TOWARDS INTERIOR FACE)



CONCRETE BARRIER GROOVE SPACING
(LOOKING TOWARDS EXTERIOR FACE)

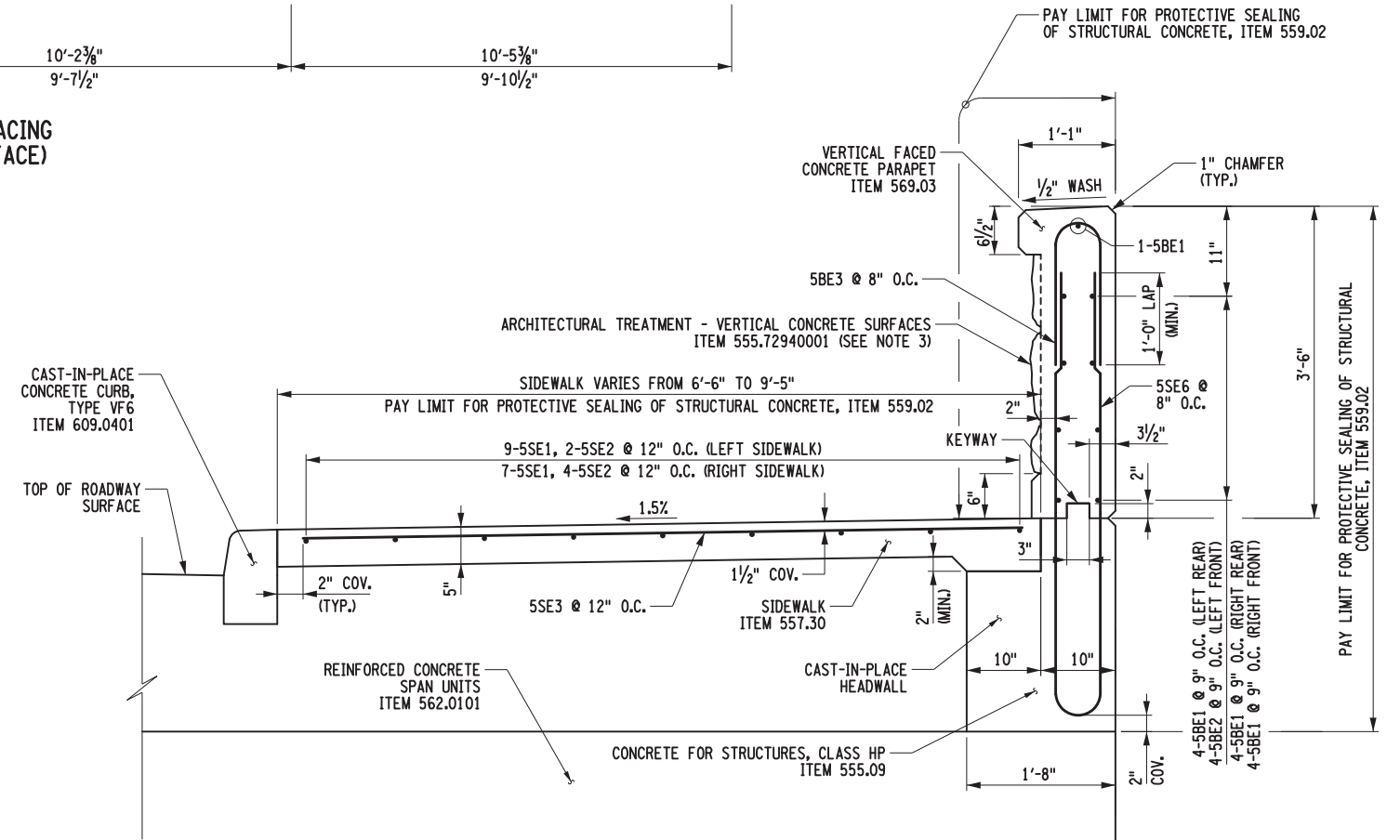


NOTE "A":

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

NOTES:

- COVER FOR STEEL REINFORCEMENT SHALL BE 2" UNLESS NOTED OTHERWISE.
- HORIZONTAL KEYWAYS STOP 1'-0" FROM FACE OF CONCRETE POUR. SEE DETAIL ON DRAWING NO. ST-17.
- FORMLINERS SIMULATING NEW ENGLAND DRY STACK SHALL BE USED ON THE INSIDE (TRAFFIC SIDE) FACE OF CONCRETE BARRIERS. FORMLINER PATTERN SHALL BE PATTERN NUMBER 2209 AS MANUFACTURED BY CUSTOM ROCK FORMLINER, 2020 WEST 7TH STREET, ST. PAUL, MN 55116 (800) 637-2447, OR APPROVED EQUAL.



SECTION A-A CAST-IN-PLACE VERTICAL FACE BARRIER

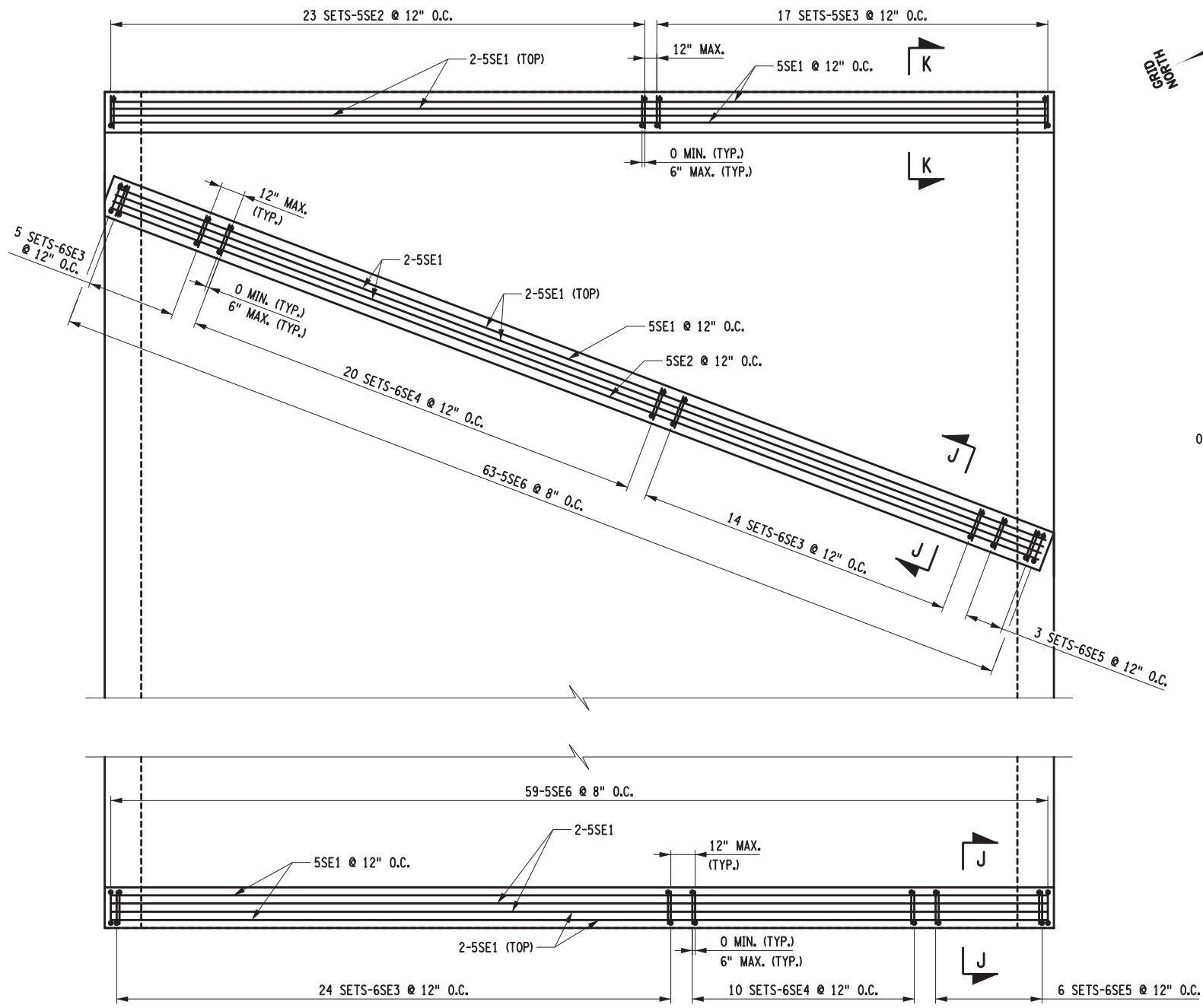
AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	COUNTY: JEFFERSON	UTILITY QUALITY LEVEL 'D'			VERTICAL FACED CONCRETE BARRIER	DRAWING NO. ST-18 SHEET NO. 62
	REGION: 7					JEFFERSON COUNTY HIGHWAY DEPARTMENT

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.



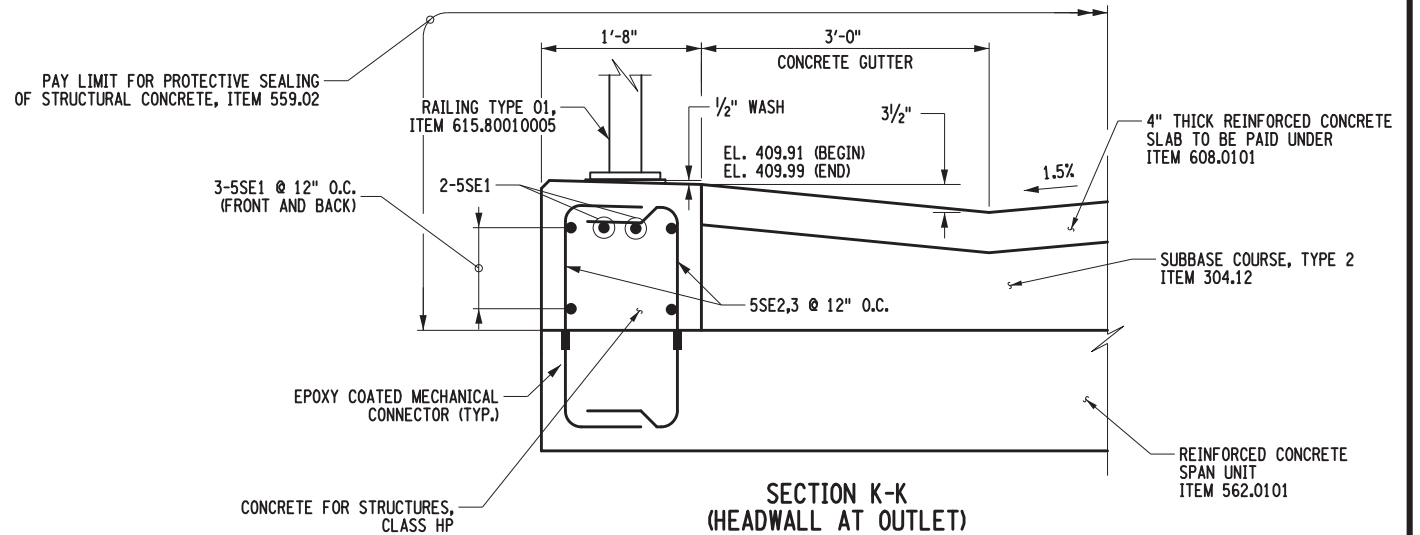
HEADWALL REINFORCING PLAN

CONCRETE PLACEMENT TABLE		
PLACEMENT	ITEM 555.08	ITEM 555.09
LEFT HEADWALL	—	4.3
CENTER HEADWALL	—	3.7
RIGHT HEADWALL	—	3.5
ALL QUANTITIES ARE IN CUBIC YARDS		

HEADWALL ELEVATION TABLE			
CENTER HEADWALL		RIGHT HEADWALL	
BEGIN	409.92	BEGIN	409.94
0.1 L	409.94	0.1 L	409.95
0.2 L	409.95	0.2 L	409.97
0.3 L	409.96	0.3 L	409.97
0.4 L	409.96	0.4 L	409.97
0.5 L	409.95	0.5 L	409.96
0.6 L	409.94	0.6 L	409.94
0.7 L	409.92	0.7 L	409.92
0.8 L	409.90	0.8 L	409.88
0.9 L	409.87	0.9 L	409.85
END	409.83	END	409.80
TENTH POINTS ARE MEASURED ALONG THE HEADWALL			

NOTES:

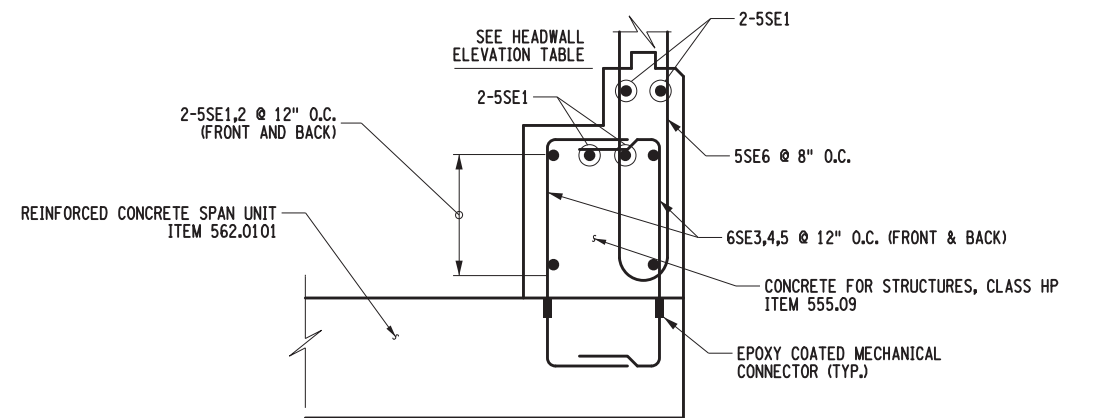
- COVER FOR STEEL REINFORCEMENT IN HEADWALL SHALL BE 2" UNLESS OTHERWISE NOTED.
- HORIZONTAL KEYWAYS STOP 1'-0" FROM FACE OF CONCRETE POUR. SEE DETAIL ON DRAWING NO. ST-17.
- ALL EXPOSED CAST-IN-PLACE CONCRETE SURFACES SHALL BE PROTECTIVELY SEALED (ITEM 559.02).



SECTION K-K (HEADWALL AT OUTLET)

NOTE:

HEADWALL HEIGHT AND LENGTH OF VERTICAL LEG OF 5SE* AND 6SE* BARS IS DEPENDENT ON TOP SLAB THICKNESS OF CONCRETE SPAN UNITS. BAR LENGTHS MAY NEED TO BE ADJUSTED TO ACCOMMODATE ACTUAL SPAN UNITS INSTALLED.



SECTION J-J (HEADWALL AT SIDEWALKS)

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

NOBLE STREET OVER WEST CREEK		PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
VILLAGE OF EVANS MILLS		7753.77	BIN 3371810			
COUNTY: JEFFERSON		UTILITY QUALITY LEVEL 'D'			HEADWALL PLAN AND SECTIONS	DRAWING NO. ST-19 SHEET NO. 63
REGION: 7						

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.

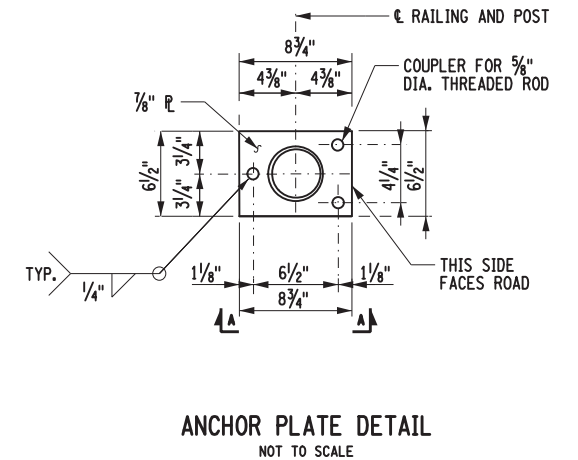
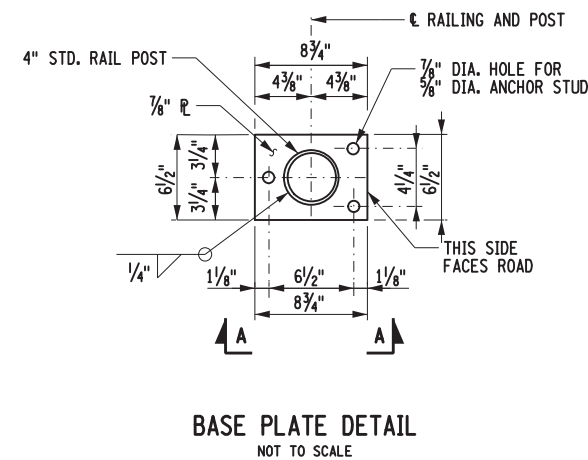
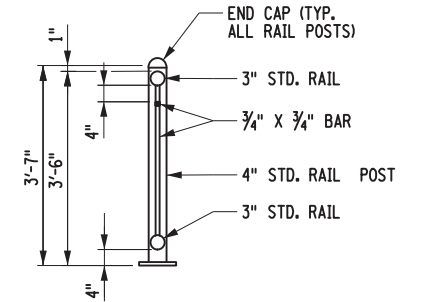
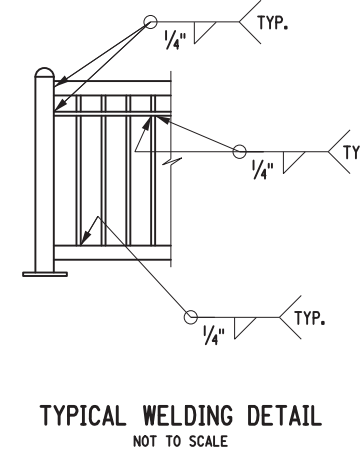
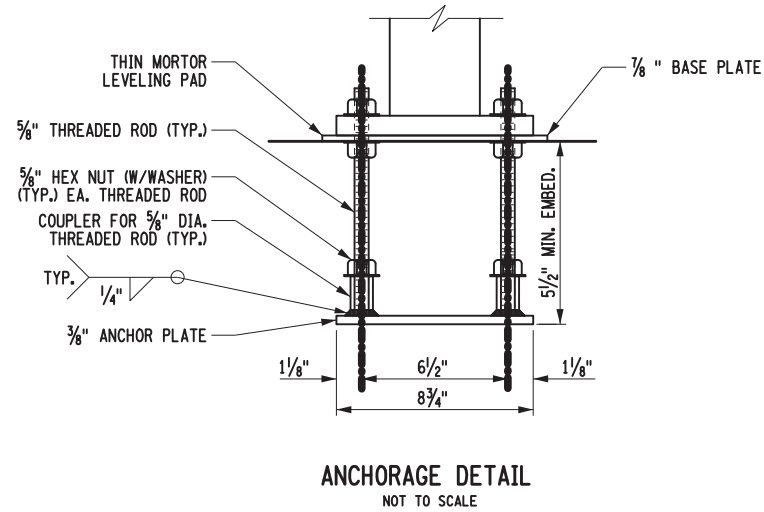
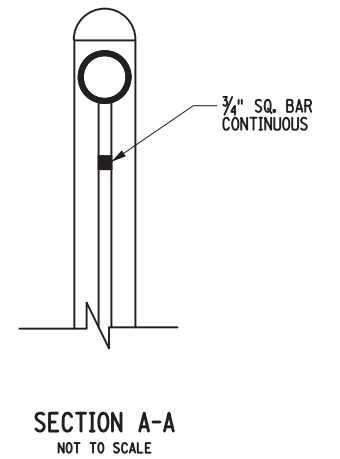
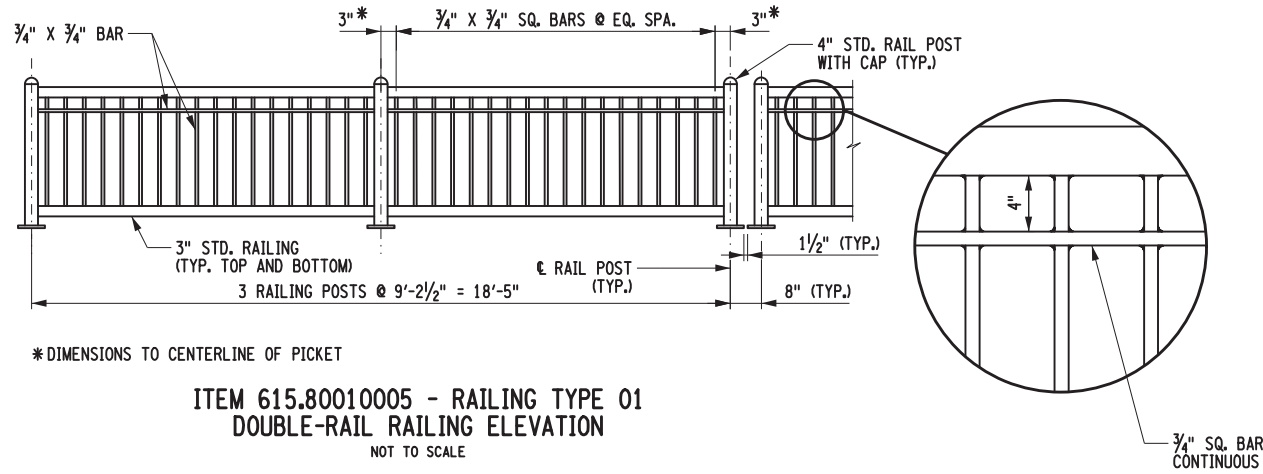
HEADWALL PLAN AND SECTIONS

JEFFERSON COUNTY
 HIGHWAY DEPARTMENT



NOTES:

1. ALL RAILING IS TO BE FABRICATED SO THAT THE RAILS ARE PARALLEL TO EACH OTHER AND TO THE TOPS OF THE RETAINING WALLS, AND SO THAT THE POSTS ARE TRULY VERTICAL.
2. THE BASE PLATES SHALL BE PERPENDICULAR TO THE RAIL POST.
3. ALL RAILS SHALL BE CONTINUOUS BETWEEN POSTS. NO SPLICING OF RAILS IS PERMITTED UNLESS SPECIFIED BY THE ENGINEER.
4. MATERIALS USED IN THE MANUFACTURING OF THIS RAILING ASSEMBLY SHALL CONFORM TO THE SPECIFICATIONS LISTED UNDER NYS DOT SPECIFICATION 568-BRIDGE RAILING.
5. ALL RAILING SECTIONS INCLUDING THE BASE PLATES SHALL BE POWDER COATED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. ALL RAILING DIMENSIONS ARE MEASURED ALONG CENTERLINE OF RAILING.
7. THE FINISHED POWDER COAT COLOR SHALL BE SHERWIN WILLIAMS - "TRICORN BLACK" (SW 6258) OR APPROVED EQUAL. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A COLOR SAMPLE FOR APPROVAL PRIOR TO FABRICATION.



AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	COUNTY: JEFFERSON	UTILITY QUALITY LEVEL 'D'			SAFETY RAILING DETAILS	DRAWING NO. ST-20 SHEET NO. 64
	REGION: 7					JEFFERSON COUNTY HIGHWAY DEPARTMENT

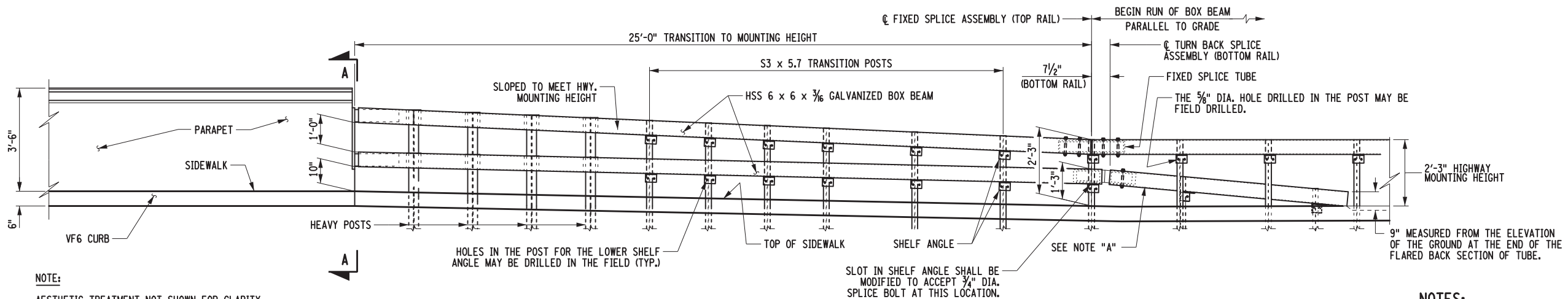
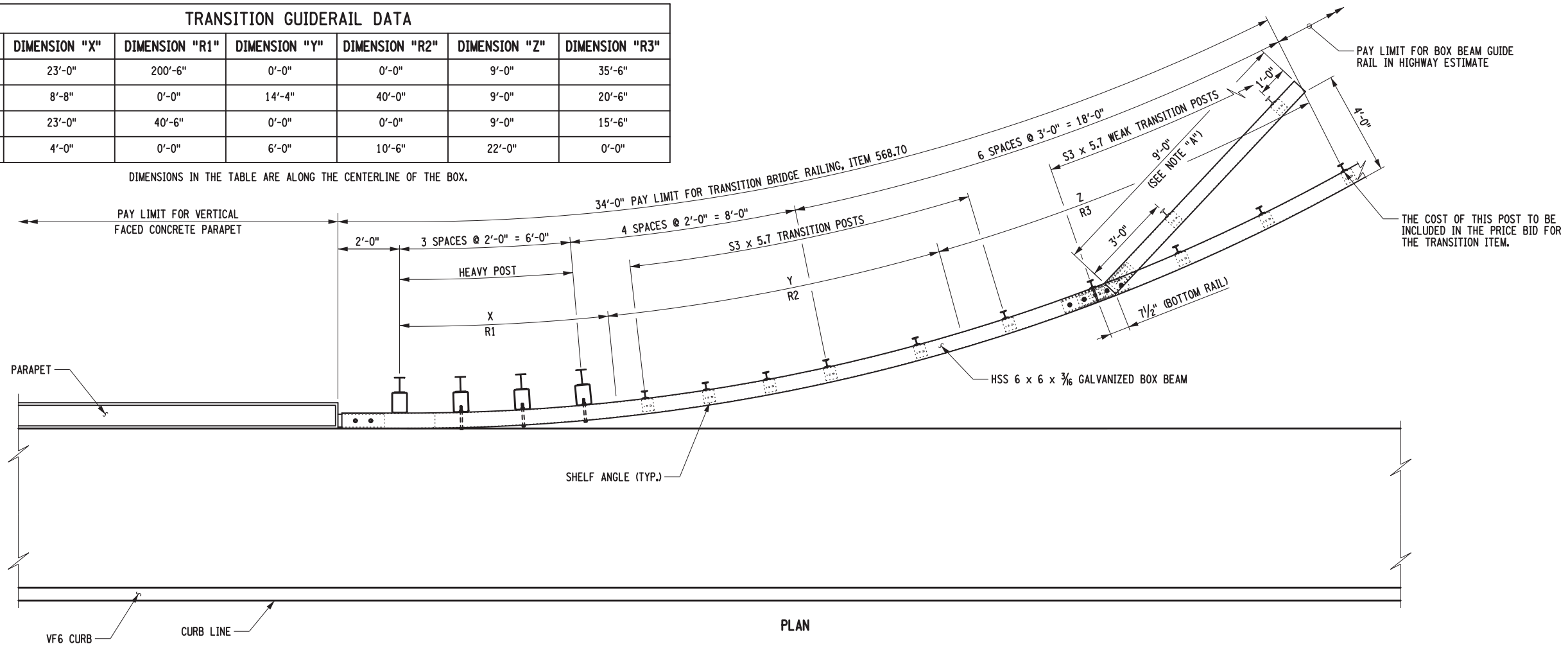
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

FILE NAME = U:\192808\Transportation\Design - Bridge\Drawing\Plan Set\ST-21 Box Beam Guide Rail Transition to Vertical Faced Concrete Parapet.dgn
 DATE/TIME = 3/5/2024 2:50:58 PM
 USER = kalberts

PROJECT MANAGER T. BUTLER
 CHECK T. BUTLER
 DRAFTING S. ROMEISER
 CHECK S. MILLER
 DESIGN S. ROMEISER
 CHECK C. CARTER
 JOB MANAGER C. CARTER
 DESIGN SUPERVISOR E. HILLIARD

TRANSITION GUIDERAIL DATA						
LOCATION	DIMENSION "X"	DIMENSION "R1"	DIMENSION "Y"	DIMENSION "R2"	DIMENSION "Z"	DIMENSION "R3"
BEGIN LEFT	23'-0"	200'-6"	0'-0"	0'-0"	9'-0"	35'-6"
BEGIN RIGHT	8'-8"	0'-0"	14'-4"	40'-0"	9'-0"	20'-6"
END LEFT	23'-0"	40'-6"	0'-0"	0'-0"	9'-0"	15'-6"
END RIGHT	4'-0"	0'-0"	6'-0"	10'-6"	22'-0"	0'-0"

DIMENSIONS IN THE TABLE ARE ALONG THE CENTERLINE OF THE BOX.



NOTE:
 AESTHETIC TREATMENT NOT SHOWN FOR CLARITY.

NOTES:
 NOTE "A":
 THE COST OF THE POSTS, SPLICE TUBE AND RAIL FOR THE LOWER TUBE FLARE SECTION IS INCLUDED IN THE PRICE BID FOR THE TRANSITION ITEM.
 ANY MODIFICATIONS MADE IN THE FIELD THAT DAMAGES GALVANIZATION SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01 OF THE NYS STANDARD SPECIFICATIONS.

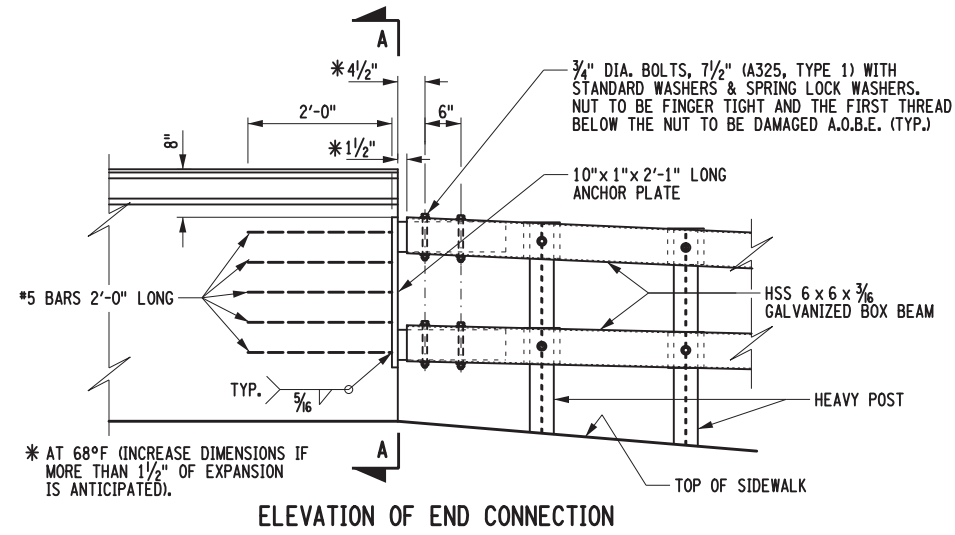
AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:

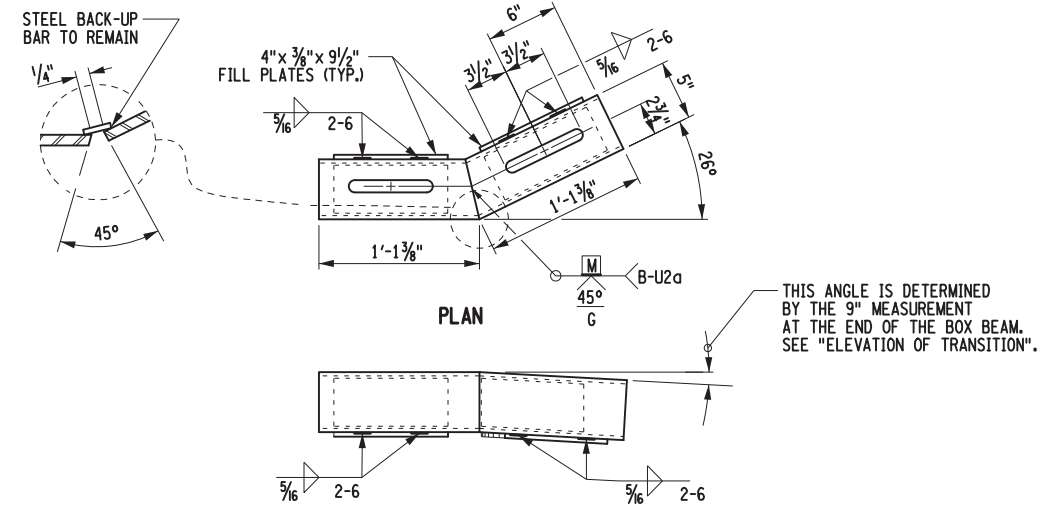
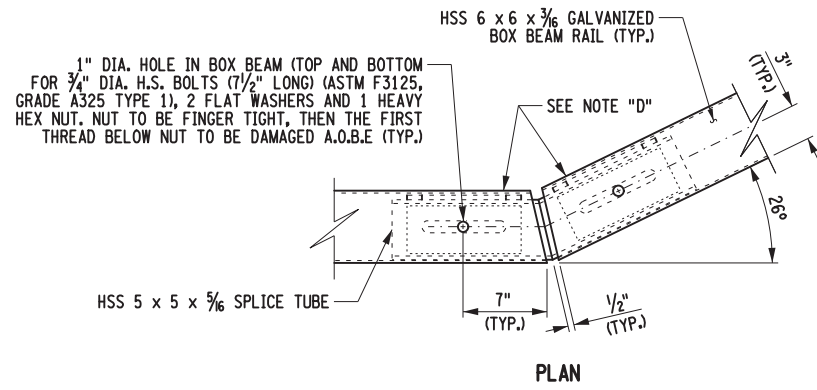
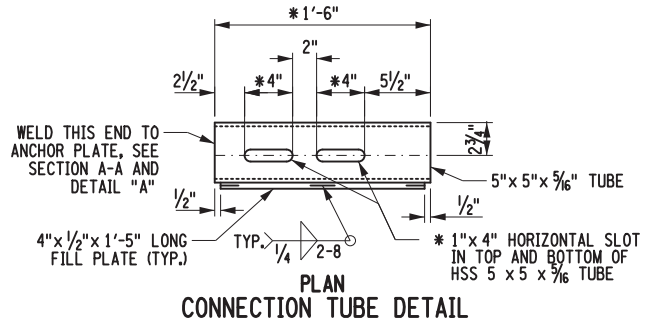
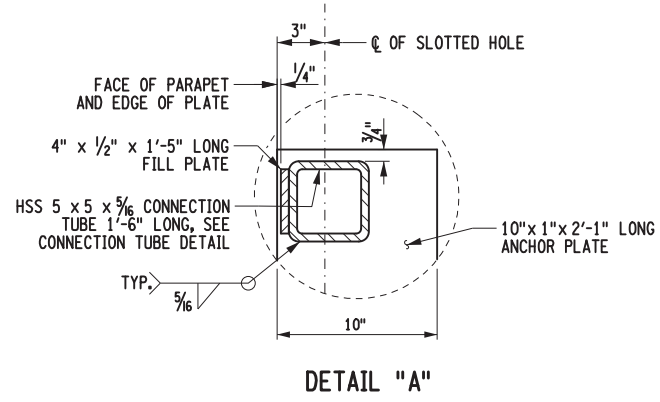
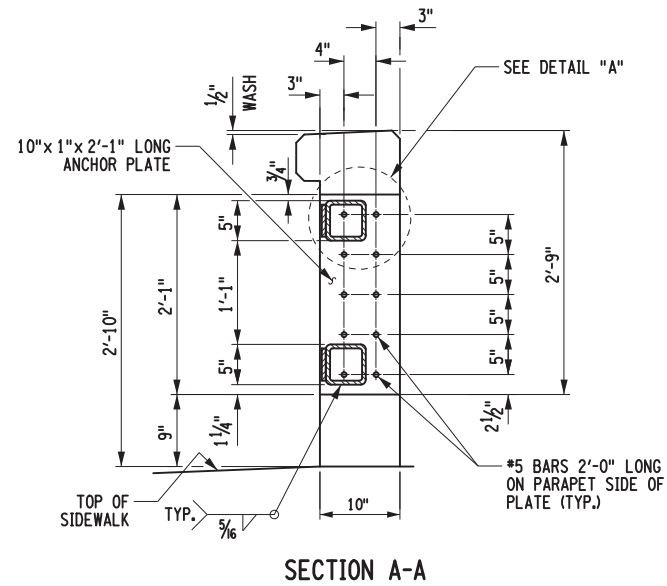
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:		NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS		PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
		COUNTY: JEFFERSON		UTILITY QUALITY LEVEL 'D'			BOX BEAM GUIDE RAIL TRANSITION TO VERTICAL FACED CONCRETE PARAPET	DRAWING NO. ST-21 SHEET NO. 65
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.		REGION: 7						JEFFERSON COUNTY HIGHWAY DEPARTMENT

FILE NAME = U:\192808\06\Transportation\Design - Bridge\Drawing\Plan Set\ST-22 Box Beam Guide Rail to Parapet Transition Details (1 of 2).dgn
 DATE/TIME = 3/5/2024 2:50:51 PM
 USER = kalberts

DESIGN SUPERVISOR E. HILLIARD
 JOB MANAGER C. CARTER
 DESIGN S. ROMEISER
 CHECK S. MILLER
 DRAFTING S. ROMEISER
 CHECK T. BUTLER
 PROJECT MANAGER T. BUTLER



NOTE:
 AESTHETIC TREATMENT NOT SHOWN FOR CLARITY.

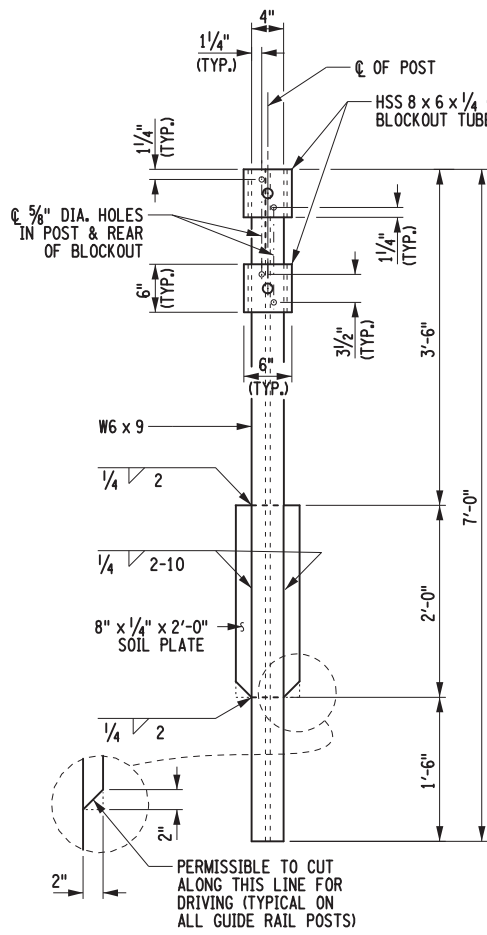


AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

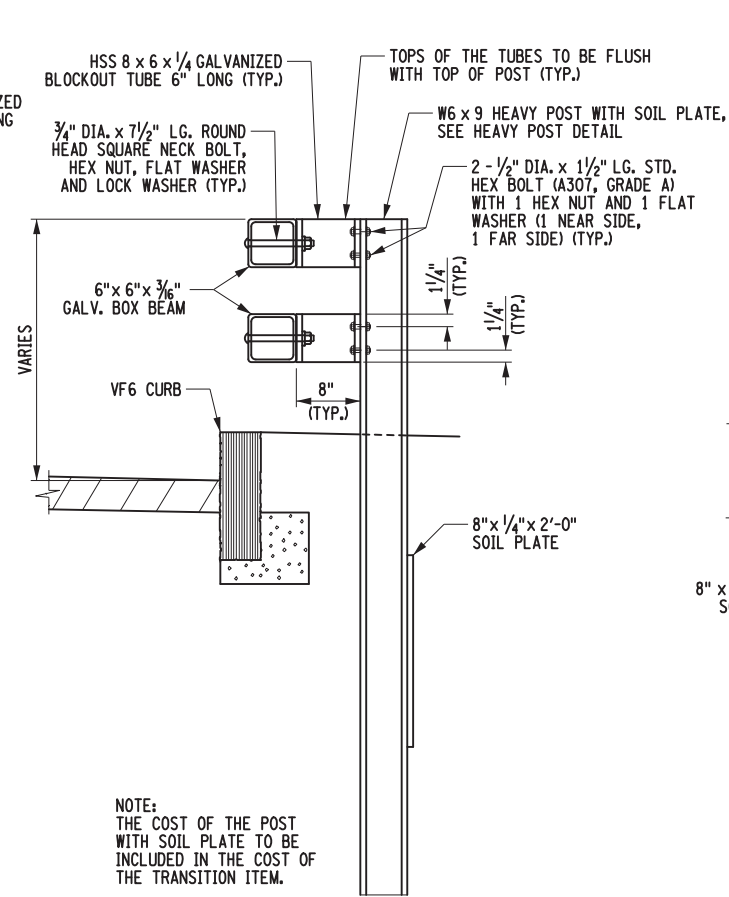
ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			BOX BEAM GUIDE RAIL TO PARAPET TRANSITION DETAILS (1 OF 2)	DRAWING NO. ST-22 SHEET NO. 66
COUNTY: JEFFERSON		REGION: 7			JEFFERSON COUNTY HIGHWAY DEPARTMENT	

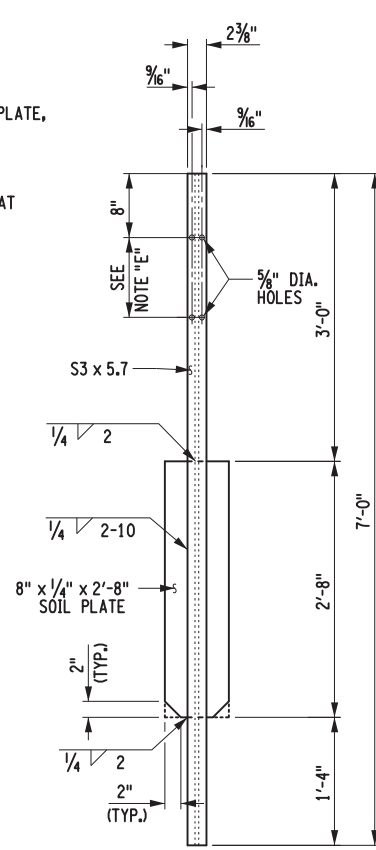
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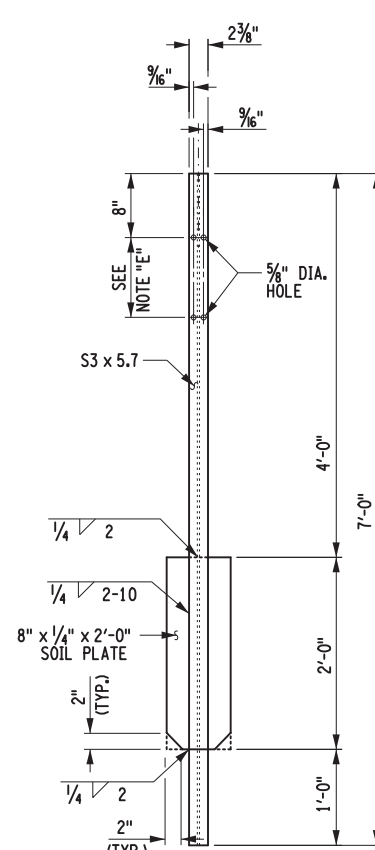
HEAVY POST DETAIL



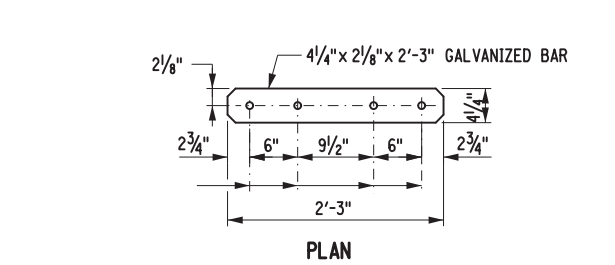
HEAVY POST ELEVATION



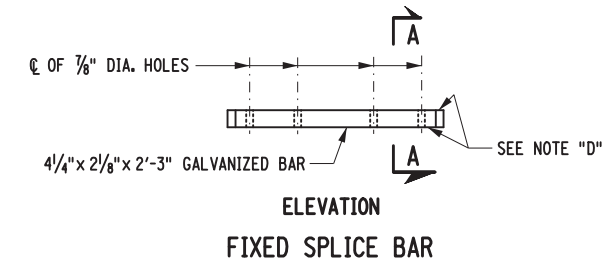
TRANSITION POST DETAIL



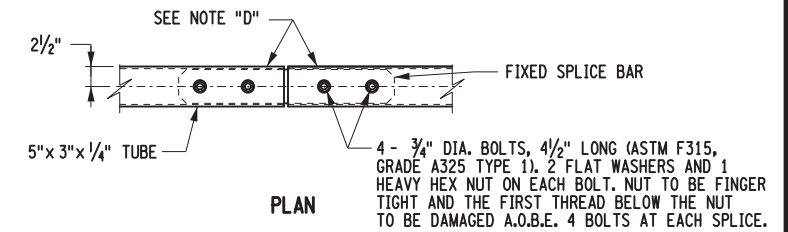
WEAK TRANSITION POST DETAIL



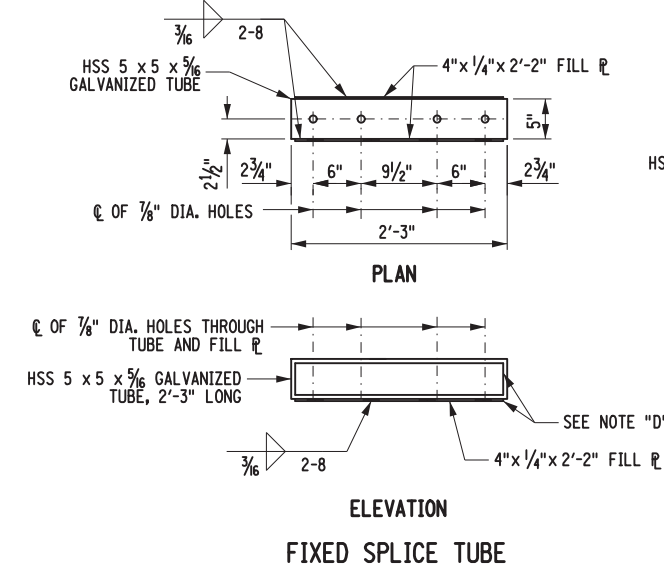
PLAN



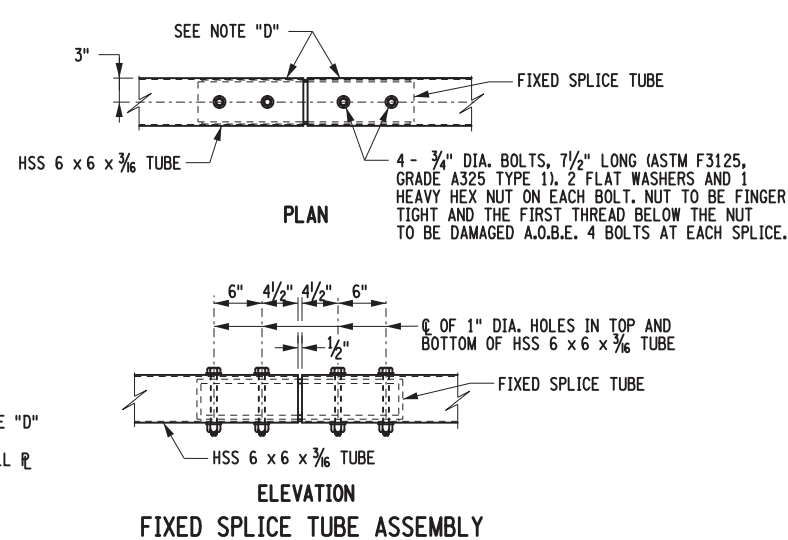
ELEVATION
FIXED SPLICE BAR



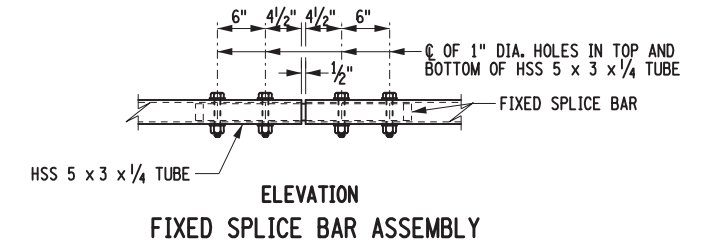
PLAN



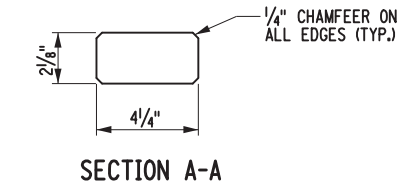
ELEVATION
FIXED SPLICE TUBE



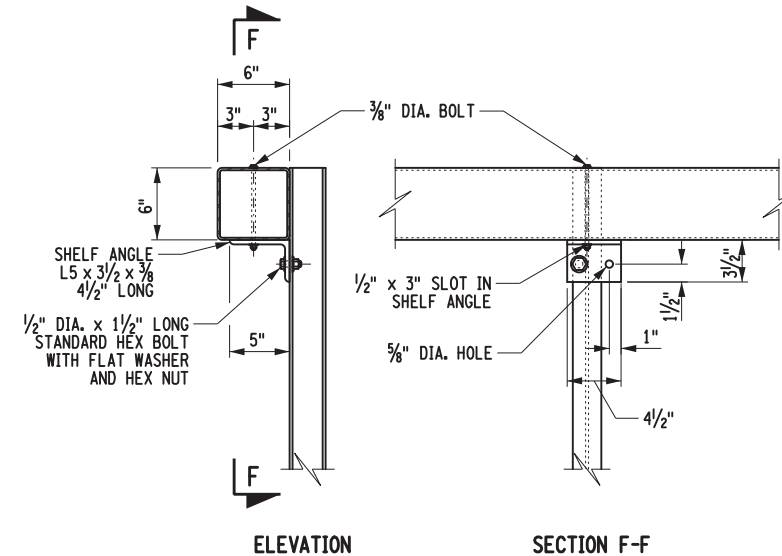
ELEVATION
FIXED SPLICE TUBE ASSEMBLY



ELEVATION
FIXED SPLICE BAR ASSEMBLY



SECTION A-A



ELEVATION SECTION F-F
TYPICAL RAIL TO WEAK TRANSITION POST CONNECTION

NOTES:

- NOTE "D": PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.
- NOTE "E": HOLES IN THE POST FOR THE LOWER RAIL MAY BE LOCATED AND DRILLED IN THE FIELD. IF SO, THE GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01.

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024
 ALTERED BY:
 ON:

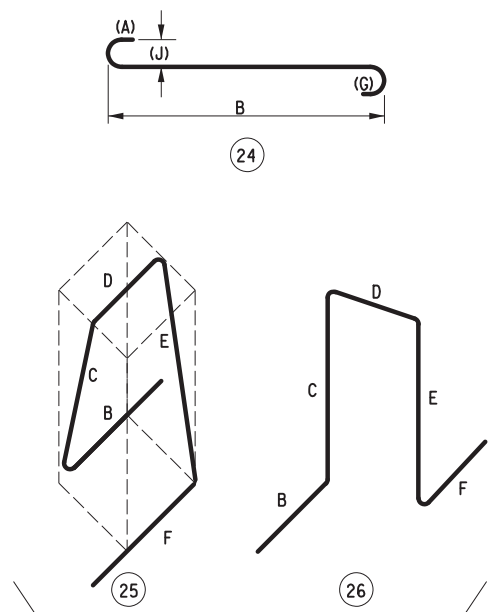
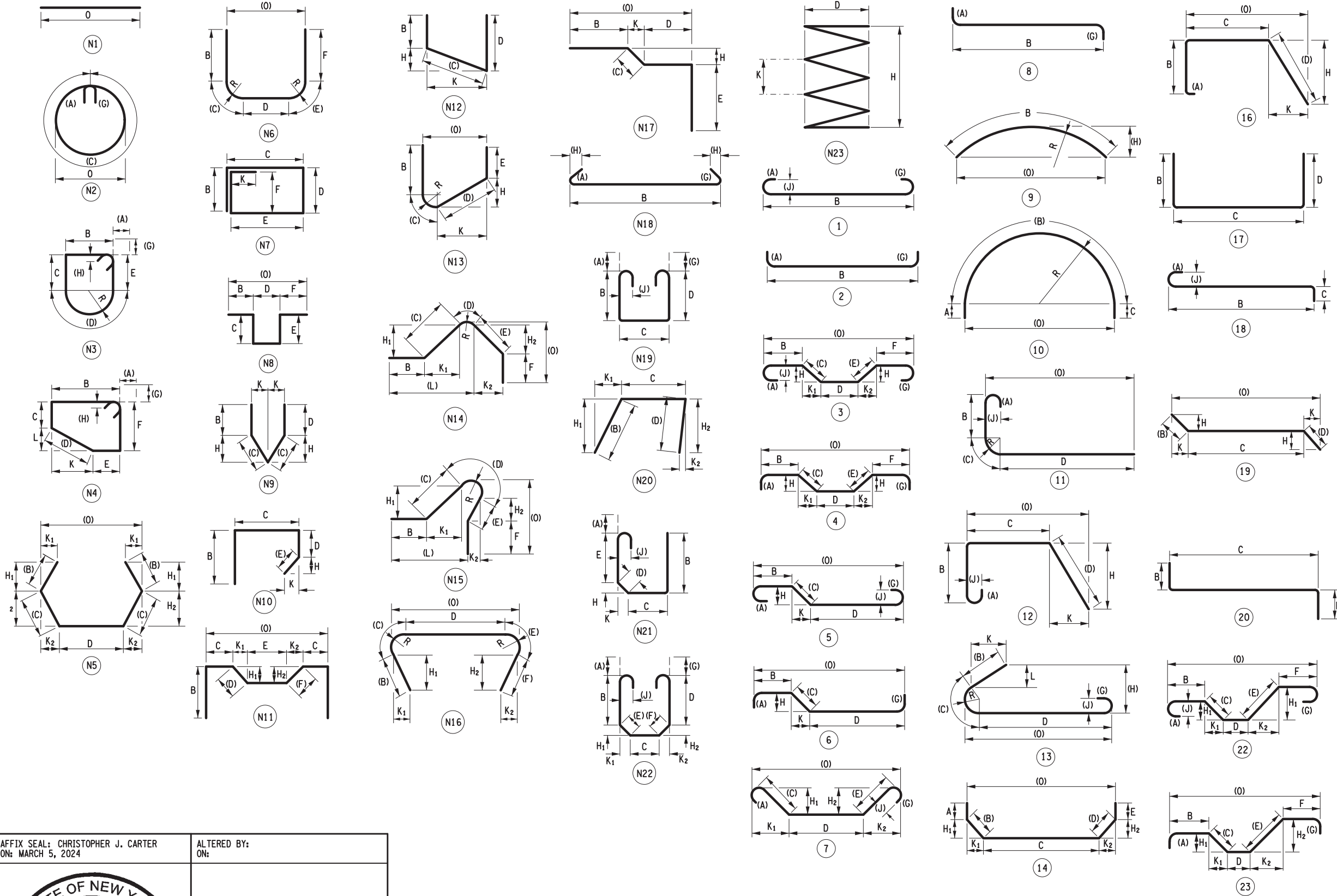


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	COUNTY: JEFFERSON	UTILITY QUALITY LEVEL 'D'			BOX BEAM GUIDE RAIL TO PARAPET TRANSITION DETAILS (2 OF 2)	DRAWING NO. ST-23 SHEET NO. 67
	REGION: 7				JEFFERSON COUNTY HIGHWAY DEPARTMENT	

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.

JEFFERSON COUNTY
HIGHWAY DEPARTMENT





STANDEE
(ISOMETRIC VIEW)

NOTES:

1. SEE DRAWING ST-24 FOR ADDITIONAL BAR BENDING DIAGRAMS.

EXPLANATION OF BAR MARKS

FIRST OR FIRST AND SECOND CHARACTER INDICATES SIZE OF BAR. FIRST ALPHABETIC CHARACTER INDICATES STRUCTURE UNIT. IF FOLLOWED BY LETTER "E" - BAR IS EPOXY COATED, IF FOLLOWED BY LETTER "C" - BAR IS GALVANIZED, IF FOLLOWED BY LETTER "S" - BAR IS STAINLESS CLAD. THE REMAINDER IS SEQUENTIAL LISTING OF BAR MARKS.

() - DENOTES COMPUTER GENERATED DIMENSION.

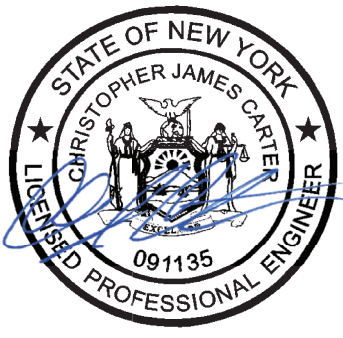
ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS EXCEPT HOOKS A & G.

STRUCTURE UNIT

- A - ABUTMENT
- B - BARRIER
- C - CULVERT
- F - FOUNDATION PILE
- H - HIGHWAY APPROACH SLAB
- P - PIER
- R - RIGID FRAME, ARCH
- S - SUPERSTRUCTURE
- W - WALL (ISOLATED)

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

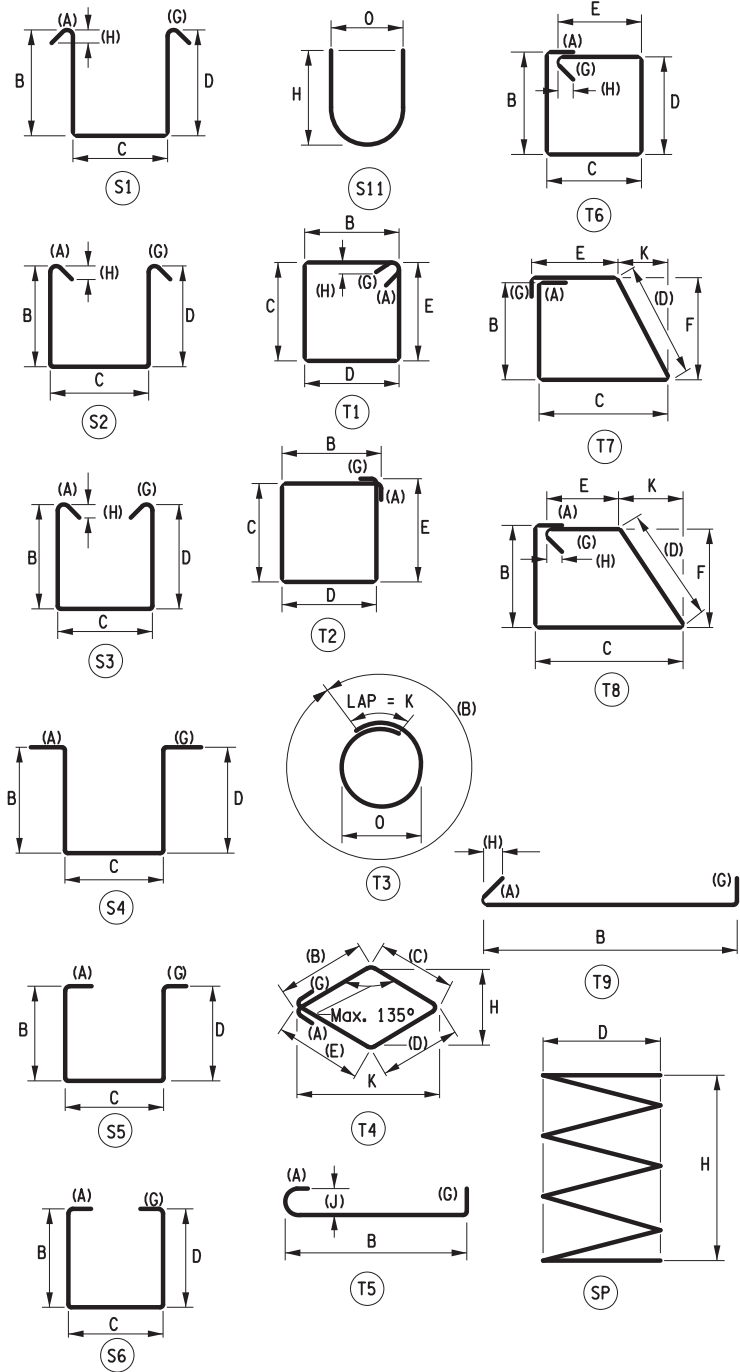
ALTERED BY:
 ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK VILLAGE OF EVANS MILLS	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	COUNTY: JEFFERSON	UTILITY QUALITY LEVEL 'D'			BAR BENDING DIAGRAMS	DRAWING NO. ST-24 SHEET NO. 68
	REGION: 7				JEFFERSON COUNTY HIGHWAY DEPARTMENT	

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JEFFERSON COUNTY
HIGHWAY DEPARTMENT



EXPLANATION OF BAR MARKS

FIRST OR FIRST AND SECOND CHARACTER INDICATES SIZE OF BAR. FIRST ALPHABETIC CHARACTER INDICATES STRUCTURE UNIT. IF FOLLOWED BY LETTER "E" - BAR IS EPOXY COATED, IF FOLLOWED BY LETTER "G" - BAR IS GALVANIZED, IF FOLLOWED BY LETTER "S" - BAR IS STAINLESS CLAD. THE REMAINDER IS SEQUENTIAL LISTING OF BAR MARKS.

() - DENOTES COMPUTER GENERATED DIMENSION.

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

STRUCTURE UNIT

- A - ABUTMENT
- B - BARRIER
- C - CULVERT
- F - FOUNDATION PILE
- H - HIGHWAY APPROACH SLAB
- P - PIER
- R - RIGID FRAME, ARCH
- S - SUPERSTRUCTURE
- W - WALL (ISOLATED)

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	H ₁	H ₂	J	K	K ₁	K ₂	L	O	R
BEGIN ABUTMENT																					
PLACEMENT 1 - STAGE 1 FOOTING																					
7A1	67	9'-0"	N1	1,233																	9'-0"
5A2	75	9'-0"	N1	704																	9'-0"
5A3	24	44'-0"	N1	1,101																	44'-0"
5A4	4	43'-9"	N1	183																	43'-9"
5A5	20	13'-5"	N1	280																	13'-5"
5A6	45	4'-4"	T1	203		1'-2"	3'-2"	--													
6A7	106	12'-10"	T1	2,043	0'-8"	3'-3"	2'-6"	3'-3"	2'-6"			0'-8"	0'-5"								
5A8	106	3'-7"	T9	396	0'-6"	2'-7"						0'-6"	0'-4"								
5A9	48	14'-0"	T1	701		6'-1"	1'-10"	6'-1"													
5A10	14	7'-1"	T1	103	0'-10"	6'-3"															
5AE11	2	15'-0"	T1	31	0'-10"	14'-2"															
5AE12	6	13'-6"	T1	84	0'-10"	12'-8"															
5AE12	DIMENSION "B" VARIES FROM 11'-5" TO 13'-11"																				
SUBTOTAL PLAIN BARS =				6,947	lb																
SUBTOTAL EPOXY BARS =				115	lb																
PLACEMENT 2 - WINGWALL 2																					
5AE15	6	10'-1"	N1	63																	10'-1"
5AE16	2	6'-3"	N1	13																	6'-3"
5AE16	DIMENSION "O" VARIES FROM 4'-0" TO 8'-7"																				
5A17	6	9'-5"	N1	59																	9'-5"
5A18	2	5'-9"	N1	12																	5'-9"
5A18	DIMENSION "O" VARIES FROM 3'-5" TO 8'-0"																				
5AE19	10	2'-1"	N12	21		1'-0"	1'-1"	--				0'-9"								0'-9"	
5A20	1	11'-5"	N1	12																	11'-5"
5A21	7	10'-0"	N1	73																	10'-0"
5A21	DIMENSION "O" VARIES FROM 8'-8" TO 11'-3"																				
5AE22	1	3'-1"	N12	3		2'-0"	1'-1"	--				0'-9"								0'-9"	
5AE23	2	10'-3"	N12	21		9'-0"	9'-0"	--				8'-6"								2'-10"	
5AE23	DIMENSION "B" VARIES FROM 0'-11" TO 1'-7"																				
SUBTOTAL PLAIN BARS =				156	lb																
SUBTOTAL EPOXY BARS =				121	lb																
PLACEMENT 3 - STAGE 2 FOOTING																					
7A30	52	9'-0"	N1	957																	9'-0"
5A31	65	9'-0"	N1	610																	9'-0"
5A32	24	34'-0"	N1	851																	34'-0"
5A33	4	33'-9"	N1	141																	33'-9"
5A34	20	13'-2"	N1	275																	13'-2"
5A35	35	4'-4"	T1	158		1'-2"	3'-2"	--													
6A36	82	12'-10"	T1	1,581	0'-8"	3'-3"	2'-6"	3'-3"	2'-6"			0'-8"	0'-5"								
5A37	82	3'-7"	T9	306	0'-6"	2'-7"						0'-6"	0'-4"								
5A38	42	14'-0"	T1	613		6'-1"	1'-10"	6'-1"													
5A39	14	7'-1"	T1	103	0'-10"	6'-3"															
5AE40	2	15'-1"	T1	31	0'-10"	14'-3"															
5AE41	6	13'-6"	T1	85	0'-10"	12'-9"															
5AE41	DIMENSION "B" VARIES FROM 11'-5" TO 14'-0"																				
SUBTOTAL PLAIN BARS =				5,595	lb																
SUBTOTAL EPOXY BARS =				116	lb																

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024

ALTERED BY:
 ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

NOBLE STREET OVER WEST CREEK
 VILLAGE OF EVANS MILLS
 COUNTY: JEFFERSON REGION: 7

PIN 7753.77
 UTILITY QUALITY LEVEL 'D'

BRIDGES BIN 3371810
 CULVERTS
 ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED
BAR BENDING DIAGRAMS AND BAR LIST

CONTRACT NUMBER D040965
 DRAWING NO. ST-25
 SHEET NO. 69


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.

JEFFERSON COUNTY HIGHWAY DEPARTMENT

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	H ₂	J	K	K ₂	L	O	R					
PLACEMENT 4 - WINGWALL 3																								
5AE45	6	9'-10"	N1	62														9'-10"						
5AE46	2	6'-2"	N1	13														6'-2"						
5AE46	DIMENSION "O" VARIES FROM 3'-11" TO 8'-4"																							
5A47	6	9'-2"	N1	57														9'-2"						
5A48	2	5'-6"	N1	12														5'-6"						
5A48	DIMENSION "O" VARIES FROM 3'-4" TO 7'-9"																							
5AE49	10	2'-1"	N12	21	1'-0"	1'-1"	--					0'-9"			0'-9"			4'-11"						
5A50	1	11'-6"	N1	12														11'-6"						
5A51	7	9'-12"	N1	73														10'-0"						
5A51	DIMENSION "O" VARIES FROM 8'-8" TO 11'-3"																							
5AE52	1	3'-1"	N12	3	2'-0"	1'-1"	--					0'-9"			0'-9"									
5AE53	2	9'-11"	N12	21	1'-2"	8'-9"	--					8'-3"			2'-10"									
5AE53	DIMENSION "B" VARIES FROM 0'-10" TO 1'-6"																							
SUBTOTAL PLAIN BARS =				154																lb				
SUBTOTAL EPOXY BARS =				120																lb				
TOTAL PLAIN BARS, BEGIN ABUTMENT =				12,852																lb				
TOTAL EPOXY BARS, BEGIN ABUTMENT =				472																lb				
END ABUTMENT																								
PLACEMENT 1 - STAGE 1 FOOTING																								
7A1	67	9'-0"	N1	1,233														9'-0"						
5A2	75	9'-0"	N1	704														9'-0"						
5A3	24	44'-0"	N1	1,101														44'-0"						
5A4	4	43'-9"	N1	183														43'-9"						
5A5	20	13'-5"	N1	280														13'-5"						
5A6	45	4'-4"	17	203		1'-2"	3'-2"	--																
6A7	106	12'-10"	T1	2,043	0'-8"	3'-3"	2'-6"	3'-3"	2'-6"			0'-8"	0'-5"											
5A8	106	3'-7"	T9	396	0'-6"	2'-7"						0'-6"	0'-4"											
5A9	48	14'-0"	17	701		6'-1"	1'-10"	6'-1"																
5A10	14	7'-1"	2	103	0'-10"	6'-3"			--															
5AE11	2	14'-11"	2	31	0'-10"	14'-1"			--															
5AE12	6	13'-4"	2	84	0'-10"	12'-6"			--															
5AE12	DIMENSION "B" VARIES FROM 11'-4" TO 13'-9"																							
SUBTOTAL PLAIN BARS =				6,947																lb				
SUBTOTAL EPOXY BARS =				115																lb				
PLACEMENT 2 - WINGWALL 1																								
5AE15	6	10'-1"	N1	63														10'-1"						
5AE16	2	6'-1"	N1	13														6'-1"						
5AE16	DIMENSION "O" VARIES FROM 3'-8" TO 8'-5"																							
5A17	6	9'-5"	N1	59														9'-5"						
5A18	2	5'-5"	N1	11														5'-5"						
5A18	DIMENSION "O" VARIES FROM 3'-1" TO 7'-10"																							
5AE19	10	2'-1"	N12	21	1'-0"	1'-1"	--					0'-9"			0'-9"									
5A20	1	11'-4"	N1	12														11'-4"						
5A21	7	10'-0"	N1	72														9'-11"						
5A21	DIMENSION "O" VARIES FROM 8'-8" TO 11'-2"																							
5AE22	1	3'-1"	N12	3	2'-0"	1'-1"	--					0'-9"			0'-9"									
5AE23	2	10'-2"	N12	21	1'-3"	8'-11"	--					8'-6"			2'-9"									
5AE23	DIMENSION "B" VARIES FROM 0'-11" TO 1'-6"																							
SUBTOTAL PLAIN BARS =				154																lb				
SUBTOTAL EPOXY BARS =				121																lb				

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	H ₂	J	K	K ₂	L	O	R					
PLACEMENT 3 - STAGE 2 FOOTING																								
7A30	52	9'-0"	N1	957															9'-0"					
5A31	65	9'-0"	N1	610															9'-0"					
5A32	24	34'-0"	N1	851															34'-0"					
5A33	4	33'-9"	N1	141															33'-9"					
5A34	20	13'-5"	N1	280															13'-5"					
5A35	35	4'-4"	17	158		1'-2"	3'-2"	--																
6A36	82	12'-10"	T1	1,581	0'-8"	3'-3"	2'-6"	3'-3"	2'-6"			0'-8"	0'-5"											
5A37	82	3'-7"	T9	306	0'-6"	2'-7"						0'-6"	0'-4"											
5A38	42	14'-0"	17	613		6'-1"	1'-10"	6'-1"																
5A39	14	7'-1"	2	103	0'-10"	6'-3"			--															
5AE40	2	14'-11"	2	31	0'-10"	14'-1"			--															
5AE41	6	13'-5"	2	84	0'-10"	12'-8"			--															
5AE41	DIMENSION "B" VARIES FROM 11'-6" TO 13'-9"																							
SUBTOTAL PLAIN BARS =				5,600																lb				
SUBTOTAL EPOXY BARS =				115																lb				
PLACEMENT 4 - WINGWALL 4																								
5AE45	6	10'-1"	N1	63															10'-1"					
5AE46	2	6'-3"	N1	13															6'-3"					
5AE46	DIMENSION "O" VARIES FROM 3'-10" TO 8'-9"																							
5A47	6	9'-5"	N1	59															9'-5"					
5A48	2	5'-8"	N1	12															5'-8"					
5A48	DIMENSION "O" VARIES FROM 3'-2" TO 8'-1"																							
5AE49	10	2'-1"	N12	21	1'-0"	1'-1"	--					0'-9"			0'-9"									
5A50	1	11'-4"	N1	12															11'-4"					
5A51	7	10'-0"	N1	73															10'-0"					
5A51	DIMENSION "O" VARIES FROM 8'-9" TO 11'-3"																							
5AE52	1	3'-1"	N12	3	2'-0"	1'-1"	--					0'-9"			0'-9"									
5AE53	2	10'-1"	N12	21	1'-2"	8'-11"	--					8'-6"			2'-7"									
5AE53	DIMENSION "B" VARIES FROM 0'-10" TO 1'-7"																							
SUBTOTAL PLAIN BARS =				156																lb				
SUBTOTAL EPOXY BARS =				121																lb				
TOTAL PLAIN BARS, END ABUTMENT =				12,857																lb				
TOTAL EPOXY BARS, END ABUTMENT =				472																lb				

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024



ALTERED BY:
 ON:


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK	PIN 7753.77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040965
	VILLAGE OF EVANS MILLS	UTILITY QUALITY LEVEL 'D'			BAR LIST	DRAWING NO. ST-26 SHEET NO. 70
	COUNTY: JEFFERSON	REGION: 7				JEFFERSON COUNTY HIGHWAY DEPARTMENT

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.

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	H ₂	J	K	K ₂	L	O	R	
LEFT HEADWALL																				
5SE1	8	38'-8"	N1	323															38'-8"	
5SE2	46	2'-4"	17	112	0'-10"	1'-6"	--													
5SE3	34	2'-5"	17	86	0'-10"	1'-7"	--													
SUBTOTAL PLAIN BARS =				0 lb																
SUBTOTAL EPOXY BARS =				521 lb																
CENTER HEADWALL																				
5SE1	6	40'-11"	N1	256															40'-11"	
5SE2	2	40'-9"	N1	85															40'-9"	
6SE3	38	1'-9"	17	100	0'-10"	0'-11"	--													
6SE4	40	1'-10"	17	110	0'-10"	1'-0"	--													
6SE5	6	1'-8"	17	15	0'-10"	0'-10"	--													
5SE6	63	9'-0"	S11	591								4'-4"							0'-6"	
SUBTOTAL PLAIN BARS =				0 lb																
SUBTOTAL EPOXY BARS =				1,167 lb																
RIGHT HEADWALL																				
5SE1	8	38'-8"	N1	323															38'-8"	
6SE3	48	1'-9"	17	53	0'-10"	0'-11"	--													
6SE4	20	1'-9"	17	53	0'-10"	0'-11"	--													
6SE5	12	1'-8"	17	30	0'-10"	0'-10"	--													
5SE6	59	9'-0"	S11	554								4'-4"							0'-6"	
SUBTOTAL PLAIN BARS =				0 lb																
SUBTOTAL EPOXY BARS =				1,092 lb																
TOTAL PLAIN BARS - HEADWALLS =					0 lb	(INCLUDED IN ITEM 556.0201)														
TOTAL EPOXY BARS - HEADWALLS =					2,770 lb	(INCLUDED IN ITEM 556.0202)														
LEFT BARRIER																				
5BE1	5	40'-11"	N1	213															40'-11"	
5BE2	4	40'-9"	N1	170															40'-9"	
5BE3	63	3'-8"	S11	241								1'-8"							0'-6"	
SUBTOTAL PLAIN BARS =				0 lb																
SUBTOTAL EPOXY BARS =				624 lb																
RIGHT BARRIER																				
5BE1	9	38'-8"	N1	363															38'-8"	
5BE3	59	3'-8"	S11	226								1'-8"							0'-6"	
SUBTOTAL PLAIN BARS =				0 lb																
SUBTOTAL EPOXY BARS =				589 lb																
TOTAL PLAIN BARS - BARRIER =					0 lb	(INCLUDED IN ITEM 569.03)														
TOTAL EPOXY BARS - BARRIER =					1,213 lb	(INCLUDED IN ITEM 569.03)														

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	H ₂	J	K	K ₂	L	O	R	
LEFT SIDEWALK																				
5SE1	9	41'-4"	N1	388															41'-4"	
5SE2	2	41'-7"	N1	87															41'-7"	
5SE2	DIMENSION "0" VARIES FROM 41'-5" TO 41'-8"																			
5SE3	46	9'-0"	N1	432															9'-0"	
5SE3	DIMENSION "0" VARIES FROM 8'-4" TO 9'-8"																			
SUBTOTAL PLAIN BARS =				0 lb																
SUBTOTAL EPOXY BARS =				907 lb																
RIGHT SIDEWALK																				
5SE1	7	38'-8"	N1	282															38'-8"	
5SE2	4	28'-11"	N1	120															28'-11"	
5SE2	DIMENSION "0" VARIES FROM 19'-0" TO 38'-9"																			
5SE3	40	7'-10"	N1	327															7'-10"	
5SE3	DIMENSION "0" VARIES FROM 6'-7" TO 9'-1"																			
SUBTOTAL PLAIN BARS =				0 lb																
SUBTOTAL EPOXY BARS =				729 lb																
TOTAL PLAIN BARS - SIDEWALK =					0 lb	(INCLUDED IN ITEM 557.30)														
TOTAL EPOXY BARS - SIDEWALK =					1,636 lb	(INCLUDED IN ITEM 557.30)														

AFFIX SEAL: CHRISTOPHER J. CARTER
 ON: MARCH 5, 2024



ALTERED BY:
 ON:

AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

NOBLE STREET OVER WEST CREEK
 VILLAGE OF EVANS MILLS

COUNTY: JEFFERSON REGION: 7

PIN
 7753.77

BRIDGES
 BIN 3371810

CULVERTS

UTILITY QUALITY LEVEL 'D'

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BAR LIST

CONTRACT NUMBER
 D040965

DRAWING NO. ST-27
 SHEET NO. 71

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.