COST(S)

CARTER MILLER

= U;Ø192800186ØTranspor= = 3/6/2024 3:41:15 PM = kalberts



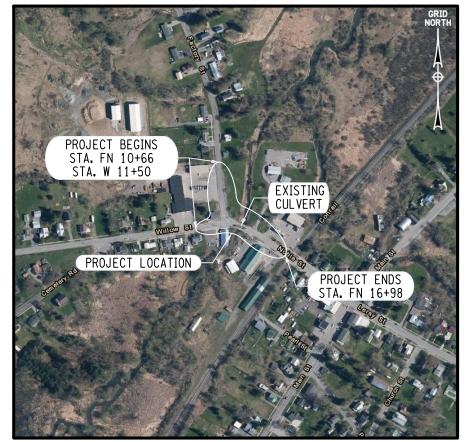


NOBLE STREET
(B.I.N. 3371810)
OVER WEST CREEK
VILLAGE OF EVANS MILLS

BridgeNY Project

CONTRACT D040965

JEFFERSON COUNTY BID #24-10



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.

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 NYSDOT POLICIES AND GUIDE LINES AND THE FINAL DESIGN REPORT APPROVED ON 09/08/2021.



RECOMMENDED BY

ERIC HILLIARD N.Y.S.P.E. LIC. NO. 063761

DAT



	NOBLE STREET						
	(B.I.N. 3371810)						
OVER WEST CREEK							
VILLAGE OF EVANS MILLS							
COUNTY: JEFFERSO	N						
FED. ROAD REG. NO.	STATE	SHEET NO.					
1	N.Y.	1					
CAPITAL PROJECT 77	753.77						

INDEX ON SHEET NO. 2

FILE NAME = Ut\192800186\Transportation\Design - Highway\Drawing\Plan Set\02-INDEX.dgn DATE/TIME = 3/5\2024 3t\827 PM USER = kalberts	tıon\Design - Highway`	\Drawing\Plan Set\	.02-INDEX.dgn	
DESIGN SUPERVISOR J. HOFMANN	JOB MANAGER S. MILLER	ILLER	S. MILLER DESIGN B. OLSEN	CHECK B. WALKER

ABBR. DESCRIPTION		ALIGNMENT		TOPO	GRAPHY (MISCELLANEOUS	 S)		UTILITIES
APP	ARRR.		ABBR.	DESCR	IPTION		ABBR.	DESCRIPTION
BOX	\vdash						E	
BUSCINE BOY BRUNDARY CP BUT PRICE			AOBE	AS ORI	DERED BY ENGINEER		EMH	ELECTRIC MANHOLE
BACADIST STREAM								
CEMTRELINE								
C. GERNEL 19 SPIPAL S. SEPPELLEWTOR PARTE GROSS SLOPE C. S. SEPPELLEWTOR PARTE GROSS SLOPE C. C. SEARCH TO CENTER C. C. SEARCH CONTROL C. C. SEARCH TO CENTER C. C. SEARCH CONTROL C. C. SEARCH TO CENTER C. C. SEARCH CONTROL								
EQUILITY							HYD	
EXTERNAL CREATION CONTROL LINE CREATIVE ROAD PP POWER PAGE								
HOLE RORIZOWIA, CONTROL LINE								
H-SD_ R-SD_LORT SIGN IDSTANCE								
L LEASTH OF CIRCLAR CORVE S 15 STORL SEVER T TELEPHONE LYC LENGTH OF SPIPAL LYC LENG								
LIVE LEWITH OF VERTICAL CURVE F.S. EDGE OF SHOUGH TO TRAFFIC CONTROL ROX	L		DWY				ST	
E. CENTER CORRECTION OF VERTICAL CLAPVE FEE FEE ACQUISITION INTRODUT ACCESS TELP TELEPHONE POLE								
MAIN LINE								
PP PRINT OF CLEANAURE FP PENCE POST THE TELEPHORE MANIAGE PP PROPERTY OF INTERSECTION FOR FORDANTION CTV CARRE TELEVISION PO C								
PP POINT ON LINE								
PSD PASSING SIGHT DISTANCE GAR CARAGE WSD MARER SERVICE BOX HOUSE LINE	PI	POINT OF INTERSECTION					CTV	CABLE TELEVISION
PYC POINT OF YEARTCAL LIGHEY								
PVC POINT OF VERTICAL LINEYERSCITION								
PYT POINT OF VERTICAL INTERSECTION HIV MIDWAY SUBSCRIPTION					-		W V	
R					Y			SUBSURFACE EXPLORATION
SC SPIRAL TO LURYE	PVT		IP	IRON P	IN OR IRON PIPE		ABBR.	DESCRIPTION
STEPL OCCUPY SOUTH DISTANCE NAW MILA AD WASHER MH MAND AUGER							REP	ACE ARRREVIATION "AR" WITH:
ST SPIRAL TO TANGERT CO ORIGINAL GROUND CP COME PENTROMETER								
STATION								
TOTAL THEORETICAL GRADE LINE							DA	21/4 INCHES CASED DRILL HOLE
TOPOGRAPHY (DRAINAGE)	T	TANGENT LENGTH	Р					
VE VERTICAL CURVE								
TOPOGRAPHY (DRAINAGE)								
ABBR. DESCRIPTION	VC							
BB BOTTOM OF GARK (STREAM) RTE ROUTE ROW RIGHT OF WAY S.P. SEISMIC POINT		TOPOGRAPHY (DRAINAGE)	_		THE LINE		PT	PERCOLATION TEST HOLE
BC BOTTOM OF CRIBE ROW RIGHT OF MAY SP SEISMIC POINT	ABBR.	DESCRIPTION					RP	
BO	BB	BOTTOM OF BANK (STREAM)					CD	
BOT CORRUCATED ALUMINIM PIPE SH STATE HIGHWAY SHUDER DA, DM, DM, AND F WITH								
SHUDE SHOULDER SHUDE S							ABBREVI	
CIP CAST IRON PIPE SPK SPIKE B BRIDGE	-			SHOUL				
CMP CORRUGATED METAL PIPE CP CONCRUETE PIPE STY STORY CP CONCRUETE PIPE STY STORY CSP CORRUGATED STEEL PIPE STY STORY CULV CULVERT CULV CULVERT TE TEMPORARY COCCUPANCY DIA DIAMETER DYAING DITCH CROSSING ELW ELEVATION ELE ELEVATION ELW ELEVATION ELW ELEVATION TINV INVERT INV INVERT MH HEADWALL MH MANHOLE MH MA	-						В	BRIDGE
CP CONCRETE PIPE CSP CORRUGATED STEEL PIPE CULVERT CULVERT DIA DIAMETER TO TEMPORARY COCUPANCY DWH DRAINAGE MANHOLE DS DRAINAGE STRUCTURE PIPE DYING DITCH CROSSING EHW EXTREME HIGH WATER EL ELEVATION ELEV ELEVATION ELEV ELEVATION ELW EXTREME LOW WATER ES END SECTION HW HEADWALL TO STANDARD STANDARD SHEETS 203-01 608-03 609-10 640-10 663-10 640-16 663-10 640-18 640-18 663-10 640-18 663-	© STRM	CENTERLINE OF STREAM						
CSP CORRUCATED STEEL PIPE CUL V CULVERT CULV CULVERT TE TEMPORARY ASSEMENT W WALL DIA DIAMETER DIA DIAMETER DIA DIAMETER DYXING DITCH CROSSING EHW EXTREME HIGH WATER ELE ELEVATION ELEV ELEVATION ELEV ELEVATION END EXTREME LOW WATER ES END SECTION HW HEADWALL INV INVERT HW HEADWALL MH MANHOLE MH MAN								
TE TEMPORARY CASEMENT W WALL					LK			
DIA DIAMETER DIAMINAGE MANHOLE DY DRAINAGE STRUCTURE PIPE DYXINO DITCH CROSSING EHW EXTREME HIGH WATER EL ELEVATION ELW EXTREME LOW WATER ES END SECTION HW HEADWALL STANDARD IT PAYMENT UNIT: CL F LINEAR FEET INV INVERT INV INVERT INV INVERT INV INVERT HW MANHOLE MH MANHOLE MH MANHOLE MH MANHOLE MH MANHOLE OHW ORDINARY HIGH WATER OHW ORDINARY HIGH WATER CL F CUBIC YARD OHW ORDINARY HIGH WATER OHW ORDINARY HIGH WATER OLW ORDINARY HIGH WATER ORD								
DRAINAGE MANAPOLE STRUCTURE PIPE	- t							TO BE USED IF ONE OF THE ABOVE CANNOT
D'XING DITCH CROSSING								
EHW EXTREME HIGH WATER EL ELEVATION SYMBOL SYMBOL ESTIMATE OF GUIVALENT NOMENCLATURE: (SPECS/PROPOSAL)	-		— ""	11110	****		1	<u> </u>
ELEVATION SYMBOL ESTIMATE OF QUANTITIES SHEET SPECS/PROPOSAL)			CT.1.	IDADD	TTEM DAVMENT INIT	EVIII/VII E	NT.	\neg
Column								
Column C	- t							
Company Comp					_	INCHES		STANDARD SHEETS
INV INVERT							ET	203-01 608-03 619-12 645-01 646-16
MH						MILES		203-02 619-01 619-20 645-03 663-01
MHW MEAN HIGH WATER OHW ORDINARY HIGH WATER OLW ORDINARY LOW WATER RCP REINFORCED CONCRETE PIPE SICPP SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE TB TOP OF BANK (STREAM) TC TOP OF CURB TG TOP OF GRATE NOBLE STREET OVER WEST CREEK								209-01 619-04 619-60 646-13 663-03
OLW ORDINARY LOW WATER RCP REINFORCED CONCRETE PIPE SICPP SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE TB TOP OF BANK (STREAM) TC TOP OF CURB TG TOP OF GRATE NOBLE STREET OVER WEST CREEK							אט	209-07 619-11 619-66 646-15 685-01
CLW ORDINARY LOW WATER RCP REINFORCED CONCRETE PIPE SICPP SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE TB TOP OF BANK (STREAM) TC TOP OF CURB TG TOP OF GRATE NOBLE STREET OVER WEST CREEK)	606-04
SICPP SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE TB TOP OF BANK (STREAM) TC TOP OF CURB TG TOP OF GRATE NOBLE STREET OVER WEST CREEK								
TB TOP OF BANK (STREAM) TC TOP OF CURB TG TOP OF GRATE NOBLE STREET OVER WEST CREEK				·	İ			_
TG TOP OF GRATE NOBLE STREET OVER WEST CREEK			1 <u>L TON</u>		TON	TON		
VOD VITRIFIED OLAV DIDE]					,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
VILLAGE OF EVANS MILLS			1					
	VCF	ATTAILIED CENT LILE	J					VILLAGE OF EVANS MILLS

RE: OSAL)	
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	209- 606-

	INDEX	TOTAL NUMBER OF SI	HEETS 71
SHEET NUMBER	DESCRIPTION		DRAWING NUMBER
1	TITLE SHEET		COVER
2	INDEX AND ABBREVIATIONS		INDEX
3-4	LEGEND, LINE AND POINT SYMBOLOGY		LEG-1 TO LEG-2
5-6	TYPICAL SECTIONS		TYP-1 TO TYP-2
7-9	WORK ZONE TRAFFIC CONTROL PLANS	WZP-1 TO WZP-3	
10	SURVEY CONTROL SHEET	SCS-1	
11	MAINTENANCE JURISDICTION PLAN	MJP-1	
12-17	MISCELLANEOUS TABLES	MST-1 TO MST-6	
18-31	MISCELLANEOUS DETAILS	MSD-1 TO MSD-14	
32-33	EROSION CONTROL PLANS		ECP-1 TO ECP-2
34-35	GENERAL PLANS		GNP-1 TO GNP-2
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38	SIGN TEXT DATA SHEET		SDS-1
39	SIGN AND PAVEMENT MARKING PLAN		SPM-1
40	UTILITY PLAN		UTP-1
41-42	DRAINAGE PROFILES		DRP-1 TO DRP-2
43	SANITARY SEWER PROFILES		SSP-1
44	WATERMAIN PROFILES		WMP-1
45-71	BRIDGE PLANS	•	ST-1 TO ST-27

NOBLE STREET OVER WEST CREEK		PIN
VILLAGE OF EVANS MILLS		7753.77
COUNTY: JEFFERSON	REGION: 7	1

BRIDGES 3371810	CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED INDEX AND ABBREVIATIONS

CONTRACT NUMBER D040965

DRAWING NO. INDEX SHEET NO. 2

JEFFERSON COUNTY HIGHWAY DEPARTMENT



LANDSCAPE ROADWAY TRAFFIC WORK ZONE ALIGNMENT STYLE NAME NAME STYLE BARRIER, TEMPORARY DESCRIPTION STYLE DESCRIPTION NAME DESCRIPTION BARRIER, TEMPORARY, W/ WARNING TWZBTWL_ AC CONTROL (CENTERLINE) AREA, BRUSH LINE · C7 · RCZ_P CLEAR ZONE ~~~~~ TWZCD_P CHANNELIZING DEVICE AD_P LAHR AREA. HEDGE ROW GUIDE RAIL. MISCELLANEOUS **DETOUR** PAVEMENT MARKING REMOVAL OR TWZPMRC_F AT_P RGB TRANSITION CONTROL LAPB AREA, PLANTING BED _ __ GUIDE RAIL, BOX BEAM COVERING **UTILITIES BRIDGE** LAWA AREA, WOODED AREA OUTLINE **RGBM** GUIDE RAIL, BOX BEAM, MEDIAN $\sim \sim \sim \sim \sim$ AREA, WATERS EDGE RGC STYLE NAME LAWE GUIDE RAIL, CABLE DESCRIPTION _____ RAIL -D-UC CONDUIT. UNDERGROUND **BSHT** SHEET PILING LCUT_P CUT LIMIT RGCB GUIDE RAIL, CONCRETE BARRIER UCH CONDUIT, HANGING RGP_P CONTROL LFILL_F FILL LIMIT 0 0 GUIDE POST CONDUIT, OVERHEAD **---**⊠-LFNC FENCE **-**⊠-RGW GUIDE RAIL. W BEAM BASELINE UE ELECTRIC LINE, UNDERGROUND CBPR BASELINE, PROJECTION ************ LTRC TREE ROW, CONIFEROUS -RGWM GUIDE RAIL, W BEAM, MEDIAN ELECTRIC LINE, HANGING UEH **\$\$\$\$\$\$\$\$\$\$** TREE ROW, DECIDUOUS PARKING BUMPER DRAINAGE UE0 ELECTRIC LINE, OVERHEAD LWH WALL, H PILE \bigcirc ₩ RRC RAIL ROAD, CATENARY CULVERT PIPE DCP - OE T -UET0 ELECTRIC TRANSMISSION. OVERHEAD RRER RAIL ROAD, 3RD RAIL WALL, RETAINING DCP_P CULVERT PIPE (DIR) **UESS** ELECTRIC, SUBSTATIONS LWS WALL, STONE RRPLS_P RAIL, PHOTO, LARGE SCALE FIBER OPTIC, UNDERGROUND DDG_P DITCH, GRASS LINED **ROW MAPPING** FIBER OPTIC, HANGING RRPSS DDP_P DITCH. PAVED INVERT RAIL, PHOTO, SMALL SCALE MDL DEED LINE UF00 FIBER OPTIC, OVERHEAD RRS PΕ RUMBLE STRIP EASEMENT, EXISTING UG GAS. UNDERGROUND DDS_P DITCH. STONE LINED RRSLS_P RAIL, SURVEY, LARGE SCALE PE -EASEMENT, PERMANENT UGH GAS, HANGING DFL_P RRSSS RAIL, SURVEY, SMALL SCALE APE -MEPA_P EASEMENT, PERMANENT, APPROX. OGUG₀ GAS, OVERHEAD DSSD SLOTTED DRAIN SIGNS MET_P EASEMENT, TEMPORARY UIC INFORM CABLE, UNDERGROUND DUD_P UNDERDRAIN SBLB **BILLBOARDS** EASEMENT. TEMPORARY, APPROX. ATE . UICH INFORM CABLE, HANGING **ENVIRONMENTAL** MF_P FEE ACQUISITION, W/ ACCESS MULTIPLE POST FEE -OIL LINE, UNDERGROUND S **EBLHS** BALE, STRAW SS0 STRUCTURE, OVERHEAD AFEE -MFA_P FEE ACQUISITION, APPROXIMATE Œ======= - 10[-OIL LINE, HANGING CURTAIN, TURBIDITY SSOC STRUCTURE, OVHD. CANTILEVER FEE ACQUISITION, SHAPE UPBP POLE, BRACE, PUSH BRACE 000000 EDMC DAM, COFFER **STRIPING** MFWOA_F -FEE W/OA-FEE ACQUISITION, W/O ACCESS **UPGW** POLE, GUY WIRE DAM, EARTHEN CHECK EDMEC_P MHA HISTORICAL, ACQUISITION STB* BROKEN LINE SA SANITARY SEWER, UNDERGROUND STDB* MHB HIGHWAY BOUNDARY DOUBLE BROKEN LINE USAH SANITARY SEWER, HANGING EDMGSC_P DAM, GRAVEL BAG/SAND BAG CHECK - AHB -MHBA HIGHWAY BOUNDARY, APPROX. STDL* DOTTED LINE LONG SAF **USAF** SANITARY SEWER, FORCE MAIN, UGND EDMPC_P DAM, PREFABRICATED CHECK MHBW HWY BOUNDARY, FACE OF WALL STDS* DOTTED LINE SHORT SANITARY SEWER, FORCE MAIN, HANG MHBWOA STFB* HIGHWAY BOUNDARY, W/O ACCESS FULL BARRIER LINE HB W/OA UT TELEPHONE, UNDERGROUND EDMSC_P DAM, STONE CHECK MJC JURISDICTION, CITY STH* HATCH LINE UTH TELEPHONE, HANGING FENCE, SILT MJCY JURISDICTION, COUNTY STPB* PARTIAL BARRIER LINE UT0 TELEPHONE, OVERHEAD **EFNSV** FENCE, SILT & VEGETATION MJHD JURISDICTION, HISTORIC DISTRICT STRCT ROUNDABOUT, CAT TRACKS UTV CABLE TV, UNDERGROUND **EFNV** FENCE, VEGETATION *********** MJLL JURIS., (GREAT, MILITARY) LOT LINE STRYL ROUNDABOUT, YIELD LINE UTVH CABLE TV, HANGING █ EWAA_P WETLAND, ADJACENT AREA MJN JURISDICTION, NATION STSB STOP BAR UTV0 -OCTV-CABLE TV, OVERHEAD FW WETLAND, FEDERAL MJPB STSE* JURISDICTION, PUBLIC LANDS SOLID, EDGE UNKNOWN, UNDERGROUND WETLAND, FEDERAL AND STATE JURISDICTION, STATE STXL UUH UNKNOWN, HANGING X WALK, LADDER LINE WETLAND, MITIGATION AREA EWM MJT JURISDICTION, TOWN UUO UNKNOWN, OVERHEAD SW EWS WETLAND, STATE STXLB X WALK, LADDER BAR LINE MJV JURISDICTION, VILLAGE WATER LINE, UNDERGROUND * = W (WHITE) OR Y (YELLOW) PROPERTY LOT LINE WATER LINE, HANGING TRAFFIC CONTROL PROPERTY LOT LINE, APPROXIMATE WATER LINE, OVERHEAD ΩW UWO 1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED). \triangle SIGNAL, SPAN WIRE MSL SUB LOT LINE 2. 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.

FILE DATE/

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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.

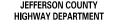
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

NOBLE STREET OVER WEST VILLAGE OF EVANS MILL		PIN 7753.77	BRIDGES 337181
COUNTY: JEFFERSON	REGION: 7		

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED LEGEND, LINE, AND POINT SYMBOLOG' CONTRACT NUMBER D040965

DRAWING NO. LEG-1 SHEET NO. 3

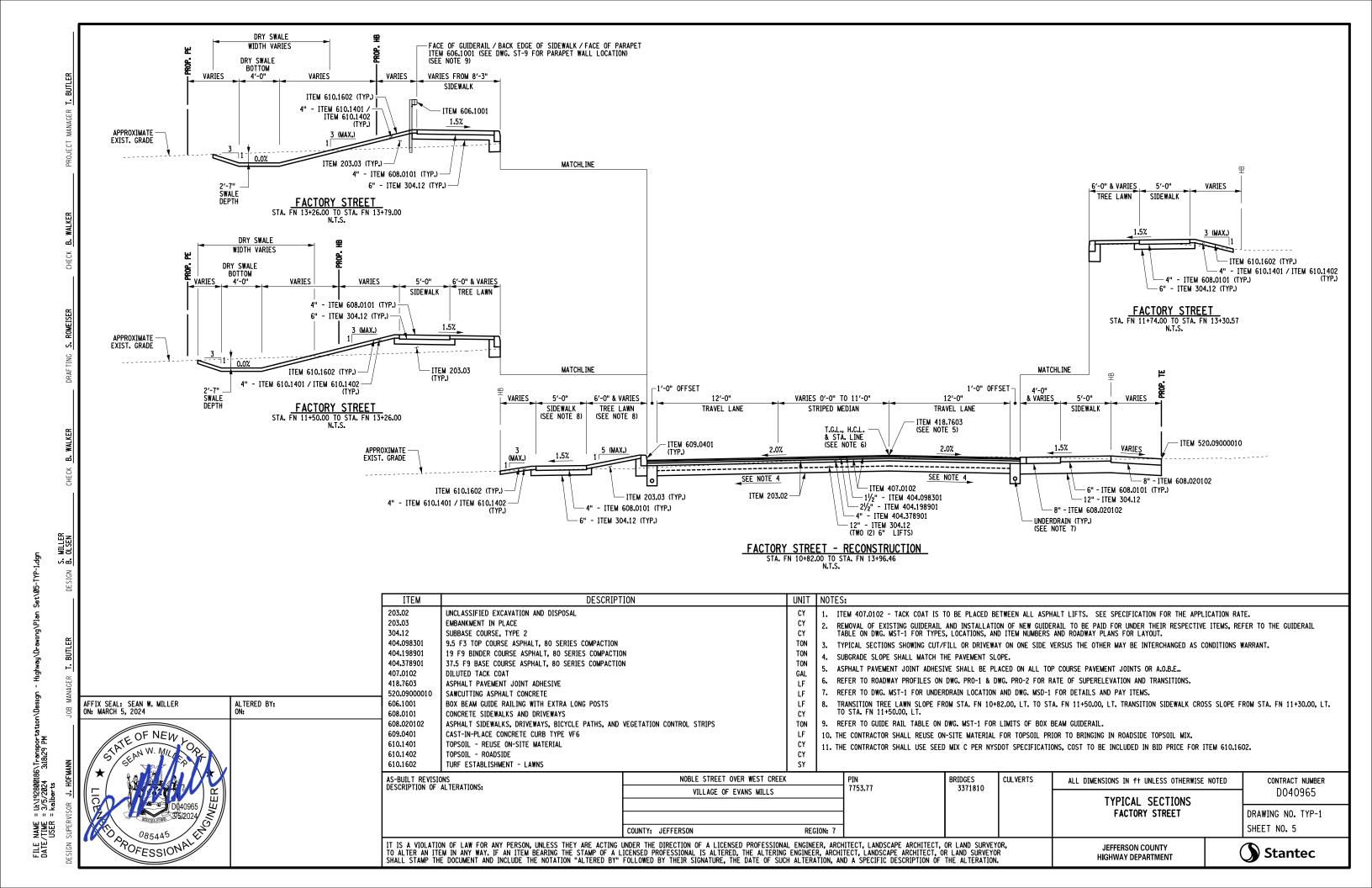


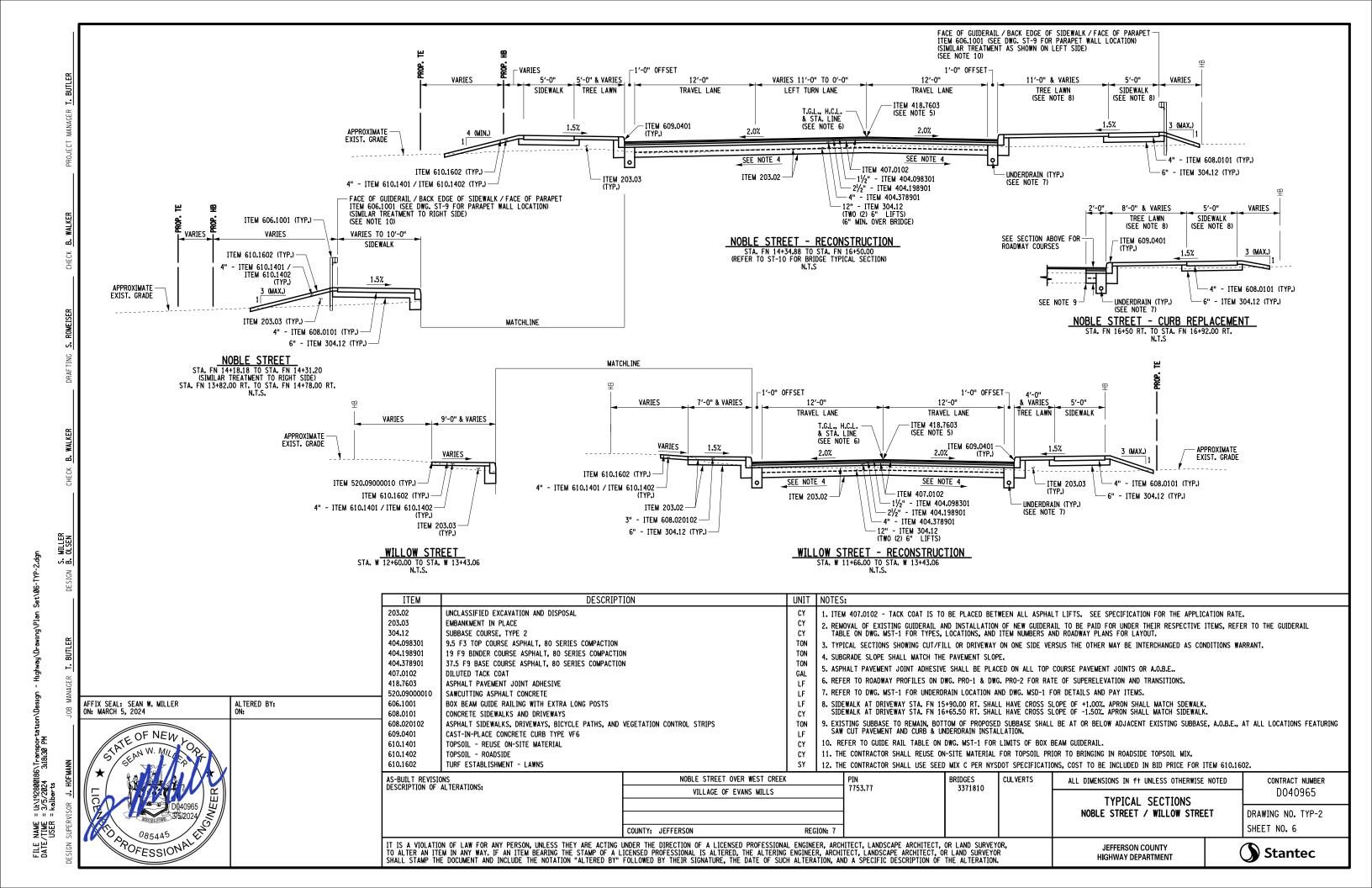


		ALIGNMENT			DRAINAGE			ITS				ROW MAPPIN	IG			SIGNS				UTILITIE	:S
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTI	ON	CELL	NAME	DESCRIPTION	N	CELL	NAME	DESCRIPTION		CELL	NAME	DESCRIPT	ION
₩	ACC	CENTER OF CURVATURE	+	DINV	INVERT	<	IANT P	ANTENNAS		0	MDL1P	DEED LINE, TY	PE 1	+	S	SINGLE POST		Œ	UEB	ELECTRIC, E	BOX
+	ACOG0	COGO		DS	STRUCTURE, RECTANGULAR		IASCTS	ACCOU. SPEE	D/COUNT SNSR.S	⊘	MDL2P	DEED LINE, TY	PE 2	þ	S_P	SINGLE POST, PI	ROPOSED	E	UEM	ELECTRIC, I	METER
0	ACS	CURVE TO SPIRAL	+	DSI	STRUCTURE, INVERT	P	ICABPAD	CABINET &	PAD	3	MDL3P	DEED LINE, TY	PE 3	H	SB_P	BACK TO BACK,	PROPOSED	E	UEMH	ELECTRIC, I	MANHOLE
	ADPI_P	DETOUR, POINT OF INTERSECT.		DSM	STRUCTURE, MANHOLE		ICCTV	CCTV SITE		€	MDL4P	DEED LINE, TY	PE 4		SDEL	DELINEATORS		Φ	UEPT	ELECTRIC, I	POLE, TRANS.
0	ADPL_P	DETOUR, POINT ON LINE			STRUCTURE, MANHOLE.) M M M	ICDPD	CDPD TRANS	CEIVER	5	MDL5P	DEED LINE, TY	PE 5		SPM	PARKING METER		G	UGM	GAS, METER	}
0	AEQN	EQUATION		DSMTXX_P	TYPE "XX" = 48, 60, 72, 96	*	ICELLT	CELL PHONE	TOWER	0	MEEP	EASEMENT, EXI	ISTING	RFM	SRM	REFERENCE MARI	KERS	©	UGMH	GAS, MANHO	DLE
A	AEQNAH	D EQUATION AHEAD		DSR	STRUCTURE, ROUND	ш.	ICJB	CONDUIT JA	CK OR BORING	(A)	MEPAP_P	EASEMENT, PER	RM., APPROX.		SRSC3	SHLD, CTY, 123	DIG.	-© -	UGLM	GAS, LINE	MARKER
®	AEQNBK	EQUATION BACK	[[]		STRUCTURE, RECT., WITH CURB	\boxtimes	ICNTLCAB	CONTROLLER	CABINET	0	MEPP_P	EASEMENT, PER	RM., BACK LINE	0	SRSC4	SHLD, CTY, 4 D	IG.	FP	UGP	GAS/FUEL F	PUMP
0	AEVT	EVENT STATION		DST"X"CB P	TYPE "X" "X" = F, G, N, O, P, R		ICPB	COMMUNICAT	ION PULL BOX	0	MEPSP_P	EASEMENT, PER	RM., SHAPE		SRSCT2	SHLD, CTY TOUR	R, 1-2 DIG.	₩	UGV	GAS, VALVE	•
0	APC	POINT OF CURVATURE	[60001 1]		STRUCTURE, RECT., TYPE "X"		ICTD	CONDUIT TU	RNING DOWN	◆	MFAP_P	FEE ACQUISITI	ON, APPROX.		SRSCT4	SHLD, CTY TOUR	R, 3-4 DIG.	∞	UGVT	GAS, VENT	
0	APCC	POINT OF COMPOUND CURVATURE		DST"X" P	"X" = I, K, L, M, O, P, U	<u></u>	ICTU	CONDUIT TUI	RNING UP	♦	MFP_P	FEE ACQUISITI	ON, BACK LINE	\Box	SRSI	SHLD, INTERSTA	TE	⊙ю	ULP	LIGHTING, F	POLE
<u> </u>	API	POINT OF INTERSECTION		FN\	/IRONMENTAL)ģ(ICVTRT	COMM. VEH.	ROAD TRANSCEIVER	•	MFSP_P	FEE ACQUISITI	ON, SHAPE	Ŭ	SRSN2	SHLD, NATIONAL	, 2 DIG.	ФФ	ULPM	LIGHTING, F	POLE, MEDIAN
Δ	APOB	POINT OF BEGINNING	<u> </u>		T	+	IDEFAULT	DEFAULT		X	MHBAP	HIGHWAY BNDRY	Y., APPROX.		SRSN3	SHLD, NATIONAL	, 3 DIG.	0	ULPP	LIGHTING, F	POLE, PED.
0	APOC	POINT OF CURVATURE	CULV	EIOP_P	STR., INLET, OUTLET PROT.	EZ	IEZR	E-ZPASS RE	ADER	•	мнвср	HISTORICAL, BI	LDG. CORNERS	Ó	SRSS2	SHLD, STATE, 2	DIG.		UMFC	MISC. FILLE	ER CAP
Δ	AP0E	POINT OF END	(B)	EIPGB_P	STR., INLET PROT., GRAVEL BAG	EZ-T	IEZTR	TRANSMITTA	L READER	*	мнвр	HIGHWAY BNDR	Y, PT.	Ò	SRSS3	SHLD, STATE, 3	DIG.		UOLM	OIL, LINE N	MARKER
0	APOL	POINT ON LINE			STREET FROM STREET BAO	□ xc	IFOXCAB	FIBER OPTIC	X-CONNECT CABINET	⊗	MJCP	PT., JURIS. CI	TY	Ò	SRSS4	SHLD, STATE, 4	DIG.		UP	POLE, WITH	UTILITY
0	AP0S	POINT ON SPIRAL	H/S	EIPHS_P	STR., INLET PROT., HAY/STRAW		IFUSSPL	FUSION SPL	ICE	•	мрвс	PT., BUILDING	CORNER	Ť	TDA	FFIC CONTRO	N .	0	UPD	POLE, DEAD	(NO UTILITY)
0	APOT	POINT ON TANGENT		EIPP_P	STR., INLET PROT., PREFAB.	99	IHARADV	HAR ADVISO	RY SIGN	0	MPCC	PT., CROSS CU	IT		IINAI	TIC CONTINC		<u></u>	UPL	POLE, WITH	LIGHT
	APOVC	POINT ON VERTICAL CURVE	PRFB	FIFF	STR., INCET FROT., FREFAD.	-\(\psi\)	IHARST	HAR SITE		V	MPDH	PT., DRILL HOL	 LE		TCBJ	BOX, JUNCTION		<u> </u>	USMH	SANITARY S	SEWER MANHOLE
	APOVT	POINT ON VERTICAL TANGENT	(SF)	EIPSF_P	STR., INLET PROT., SILT FENCE		ILC	LOAD CENTE	R	*	MPF	PT., FENCE LO	CATION		TCBP	BOX, PULL BOX		(P)	UTB	TELEPHONE,	, B00TH
Y	APORC	POINT ON REVERSE CURVE		EDCD	DISED CONCRETE DOV	LC	IMECSPL	MECHANICAL	SPLICE	0	MPIP	PT. IRON PIPE			TCBS	BOX, SPLICE		<u></u>	UTLM	TELEPHONE,	LINE MARKER
0	APT	POINT OF TANGENCY		ERCB	RISER, CONCRETE BOX	[PM])	IMSCS) & COUNT SENSOR	0	MPIR	PT., IRON ROD			ТСМС	MICROCOMPUTER	CABINET		UTMH	TELEPHONE,	•
®	APVC	POINT OF VERTICAL CURVATURE		ETRS_P	TRAP, SEDIMENT		IMSCTS		D & COUNT SENSOR		MPM	PT. MONUMENT		Q.	TCPP	PED POLE			UTVLM		LINE MARKER
	APVCC	POINT OF VERT, CMPND CURVE	+	EWFG	WETLAND FLAG	;(M):	IMT	MICROWAVE			MPMM	PT. MONUMENT		<u> </u>	TCSH	SIGNAL HEADS		<u>`</u>	UTVPB	CABLE TV,	
	APVI	POINT OF VERT. INTERSECTION	-	GE	OTECHNICAL	OT VMS	IOVHVMS	PERM. OVER		Ø	MPN	PT., NAIL	, 111300	0	TCSP	SIGNAL POLE			UUB	UNKNOWN. B	
	APVRC	POINT OF VERT. REVERSE CURVE	. 0	GDH	DRILL HOLE	PA))	IPASCS		J. SPD & CNT. SENSOR	*	MPRS	PT. RAILROAD	SPIKE		TRAFF	FIC WORK ZO	ONE		UUJB	· · · · · · · · · · · · · · · · · · ·	JUNCTION BOX
(1)	APVT	POINT OF VERTICAL TANGENCY					IPEDS		SIGNAL HEAD	#	MPSP	PT., SPIKE	JI INC	·:····	TWZAP_P	ARROW PANEL		<u>⊠</u>	UUMH	UNKNOWN. M	
	ASC	SPIRAL TO CURVE		L	ANDSCAPE		IPSS		URFACE SENSOR	*	MPST	PT., STAKE		•	TWZAPC_P	ARROW PANEL, C	CAUTION MODE		UUPB	UNKNOWN, P	
	ASPI	SPIRAL POINT OF INTERSECTION	+	LELS	ELEVATION, SPOT	DVMC	IPVMS	PERM. VMS	UNI ACE SENSON	8	MPTW	PT., TREE W/	WIDE	•••			TRAILER OR SUPPORT		UUVL	UNKNOWN, V	
\bigcirc	ASTS	SPIRAL TO SPIRAL	- 6	LFP	FLAG POLE	RM	IRM	RAMP METER	•	+	MPWL	PT., WALL LOC				BARRICADE (TYP		<u></u>		UNKNOWN, V	
\otimes	AST	SPIRAL TO TANGENT		LMB	MAILBOX	RWIS	IRWIS		ER INFO. SENSOR	T				 			SSAGE SIGN (PVMS)		UUVT	UNKNOWN, W	
\otimes	ATS	TANGENT TO SPIRAL		LPB	PAPER BOX	<u> </u>	ISP	SOLAR PANE			RO	W ACQUISIT	ION		TWZFLG_P	FLAGGER	SSAGE SIGN (I VMS)	 	1		
H	AVEVT	VERTICAL EVENT POINT	0	LPST	POST, SINGLE				CT. TRANSCEIVER	(M1)	MFS_P_T	FEE ACQUISITION	ON					•	UWFH	WATER, FIR	
	AVHIGH	VERTICAL HIGH POINT	©	LRB	ROCK, BOULDER		ISST			FEE				T	TWZFT_P	FLAG TREE IMPACT ATTENUA	ATOR /	W	UWM	WATER, MET	
	AVLOW	VERTICAL HIGH FOINT		LSHC	SHRUB, CONIFEROUS	TC TC	ITDB		DEMARCATION BLK		MEPS_P_T	EASEMENT, PER	MANENT		TWZIA_P	CRASH CUSHION	(TEMPORARY)	<u> </u>	UWMH	WATER, MAN	
0	AVLOW	1	0	LSHD	SHRUB, DECIDUOUS	O TP	ITP		TEMP. PROBE	(M1) (P1)	METS_P_T	EASEMENT, TEM	/PORARY		TWZLUM_P	LUMINAIRE (TEM		<u>-</u>	UWV	WATER, VAL	
		BRIDGE		LTC	TREE, CONIFEROUS	××	IVTRT		RDWY TRANSCEIVER	IE MI				\Rightarrow	TWZSDT_P	SYMBOL, DIRECT	ION OF TEMPORARY	W	UWW	WATER, WEL	<u>-L</u>
	BSC	BRIDGE, SCUPPER	(0)	LTD	TREE, DECIDUOUS	WIM	IWIMD		MOTION DETECTOR		METS_P_T	OCCUPANCY, TE	MPORARY	┕	TWZSDTD_F	TRAFFIC DETOUF	?				
		CONTROL	\Omega	LTS	TREE, STUMP		IWVR		IDEO REPEATER	(M1) (P1)	MFS_P_T	FEE ACQUISITIO	ON W/O ACCESS		TWZSGN_P	SIGN (TEMPORAR	C OR PEDESTRIAN				
<u> </u>	1		Ø	LTW P	TREE, WELL OR WALL	(A)	IWVRC		IDEO RECEIVER	FEE WO/A				0-	TWZSIG_P	(TEMPORARY)					
	CBP	BASELINE, POINT	+	LUKP	UNKNOWN POINT	_`` ` (∀́∶	IWVTT	MIKELESS A	IDEO TRANSMITTER	-		ROADWAY		<u>e</u>	TWZWL_P	WARNING LIGHT					
	CBPOL	BASELINE, POINT ON LINE	1 THE	LEGEND ILI	LUSTRATES MAPPING FEATURES (EX	ISTING AN	ND PROPOSED)			0	RES P	ELEVATION, SP	OT		TWZWV_P	WORK VEHICLE WORK VEHICLE	WITH TRUCK				
	CBSP	BASELINE, SPUR POINT			SHOWN AS EITHER LINEAR (ROADWA			SIDEWAI K.		\boxtimes	RGA	GUIDE RAIL, AN	NCHOR		TWZWVA_P	MOUNTED ATTEN					
<u>₩</u>	СВТР	BASELINE, TIE POINT	ווֹדֹט ֹ־ 📗	LITY LINES,	ETC.) OR POINT (SIGN, UTILITY PO	LE, ETC.)		J.JEHNEN,		0	RGP	GUIDE POST, S	INGLE	1							
	СРВМ	BENCHMARK	3. FEA	TURES SHOW	N ON THE LEGEND AS EXISTING FE PROPOSED FEATURES.	EATURES	ALSO HAVE				•	•									-
•	СРН	POINT, HORIZ. PHOTOGRAMMETRY			URE SYMBOLOGY IS IDENTICAL TO	EXISTING	FEATURE SYM	/BOLOGY			R WEST CREE	EK	PIN 7753.77		BRIDGES 3371810	CULVERTS	ALL DIMENSIONS 1	N ft UN	LESS OTHERWI	ISE NOTED	CONTRAC
	CPSM	POINT, SURVEY MARKER, PERM.	EXC	LUDING LINE	WEIGHT. LINE WEIGHT FOR PROP SIZE DRAWINGS).				VILLA	GE OF EV	ANS MILLS		-		2211010		LEGEND, LINE,	AND	POINT SY	MBOLOGY	D04
+	CPSV	POINT, VERT., PHOTOGRAMMETRY			RES NOT INCLUDED ON THE LEGENI) SHEFT I	DO NOT HAVE	A UNIQUE					1								DRAWING NO.
			SYM	BOLOGY (SU	CH AS THE PAVEMENT EDGE, PAVEN ELED ON THE PLANS.				COUNTY: JEFFERSON			REGION: 7	1								SHEET NO. 4
					N AT THE HEAVIER WEIGHT ARE P	ROPOSED (ONLY AND DO	NOT HAVE					•				JEFFFR	SON COL	JNTY		Stant

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- 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 SHEFTS 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 AND REGULATIONS, AND DIRECTIONS OF THE LOCAL MODICIPALTIES 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 POLICET. 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
- WHEN THE VISIBILITY OF THE TRAVELING PUBLIC IS RESTRICTED DUE TO WEATHER WHEN THE VISIBILITY OF 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

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).

- 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.F.
- 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 CHARLES OF A PROPERTY OF THE PROPERTY OF A PRICE BID FOR PROPERTY OF THE PROPERTY 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 BEY PERSONNEL CONTRACTOR'S OPERATIONS.
- 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 USE 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.

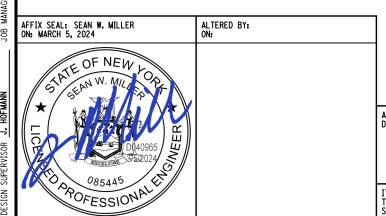
CHANNELIZING DEVICES:

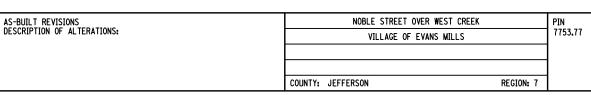
- REFER TO THE "TAPERS" SECTION IN THE "CONSTRUCTION DETAILS" OF SECTION 619
 OF THE STANDARD SPECIFICATIONS FOR AN APPROVED LIST OF CHANNELIZING DEVICES THAT CAN BE USED ON TAPERS IN A WORK ZONE.
- ALL TEMPORARY PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OUTLINED UNDER "CONSTRUCTION ZONE PAVEMENT 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.

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

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





BRIDGES 3371810

CUL VERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED WORK ZONE TRAFFIC CONTROL PLAN

GENERAL NOTES

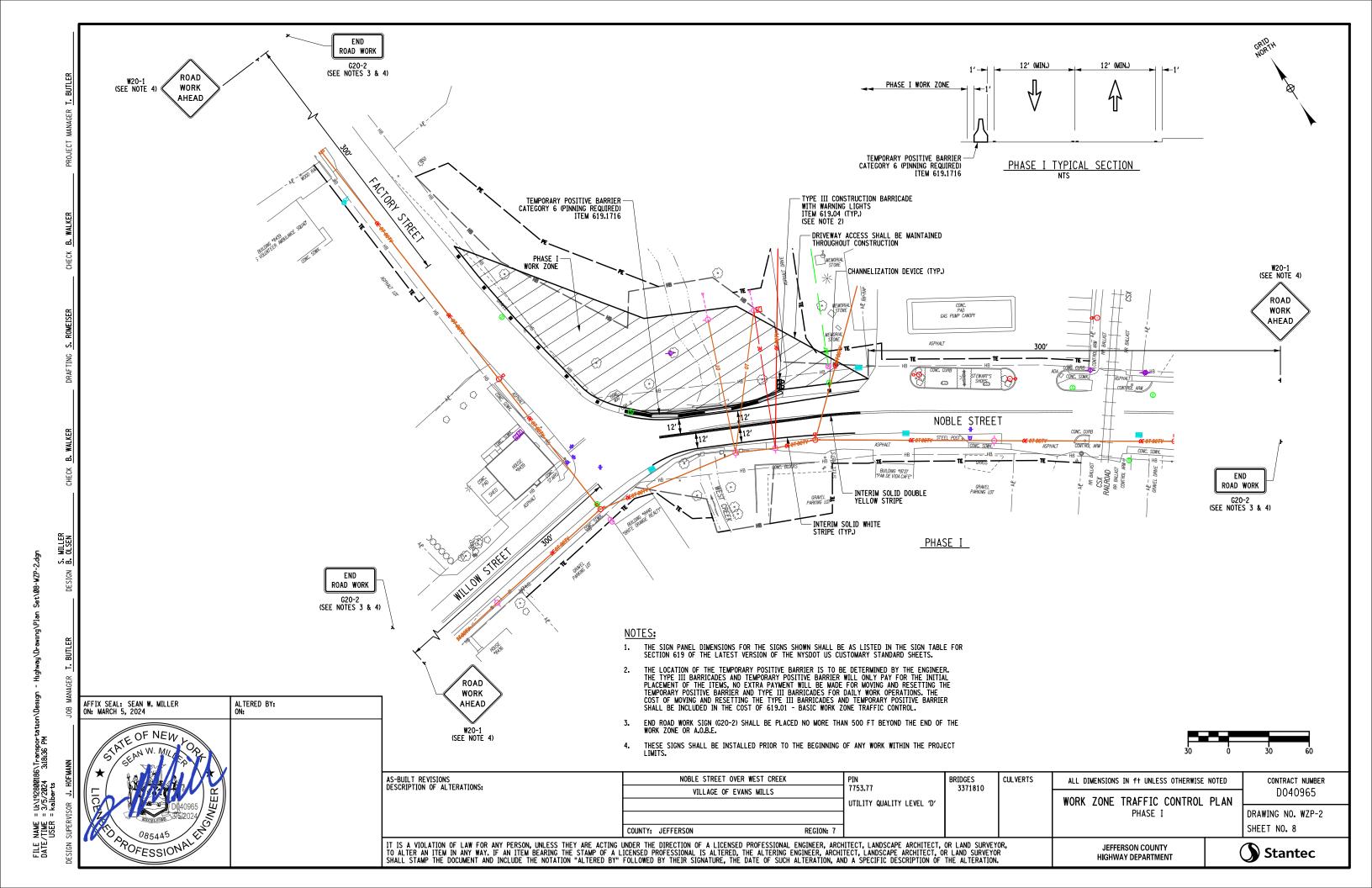
JEFFERSON COUNTY

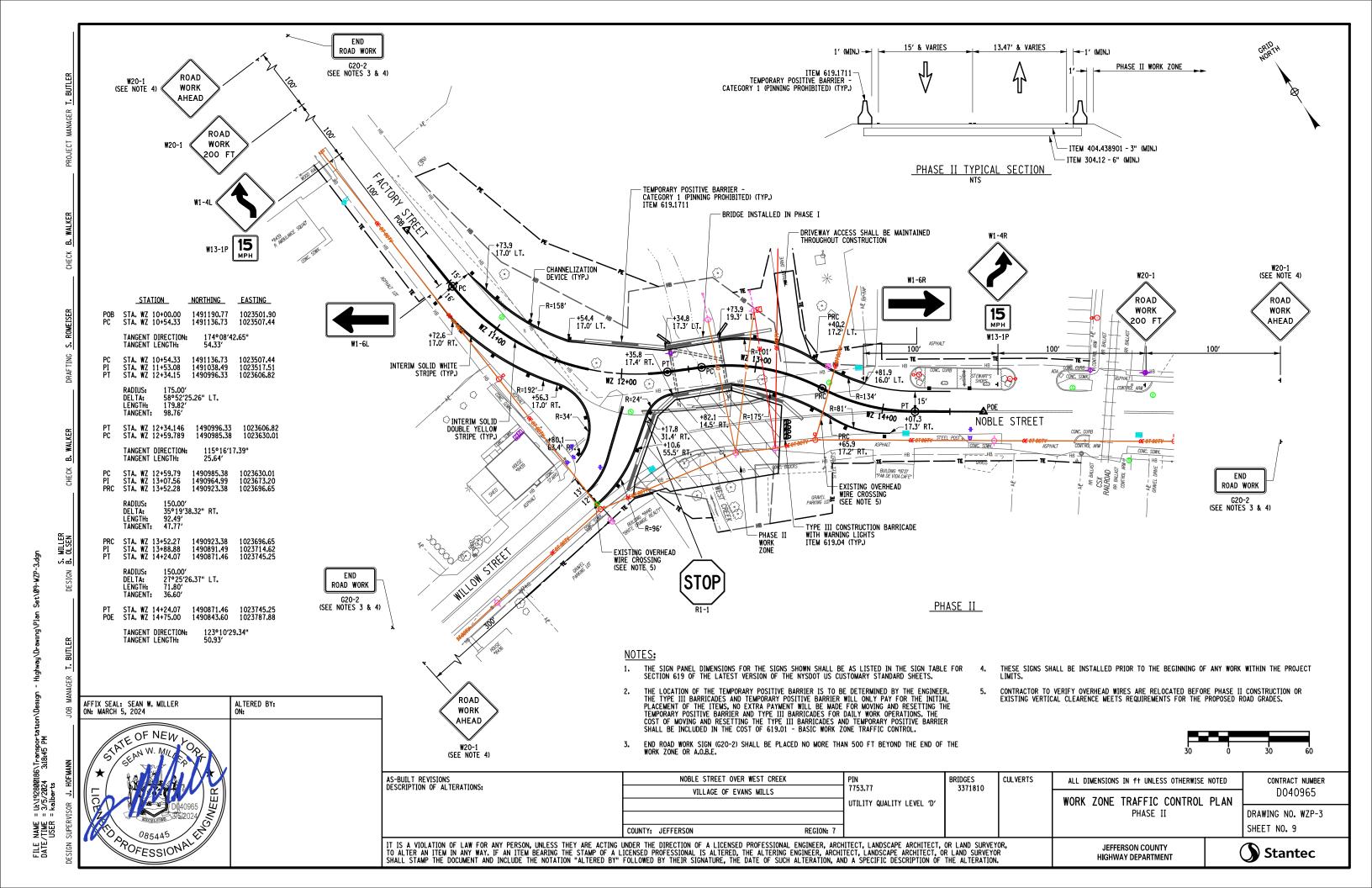
HIGHWAY DEPARTMENT

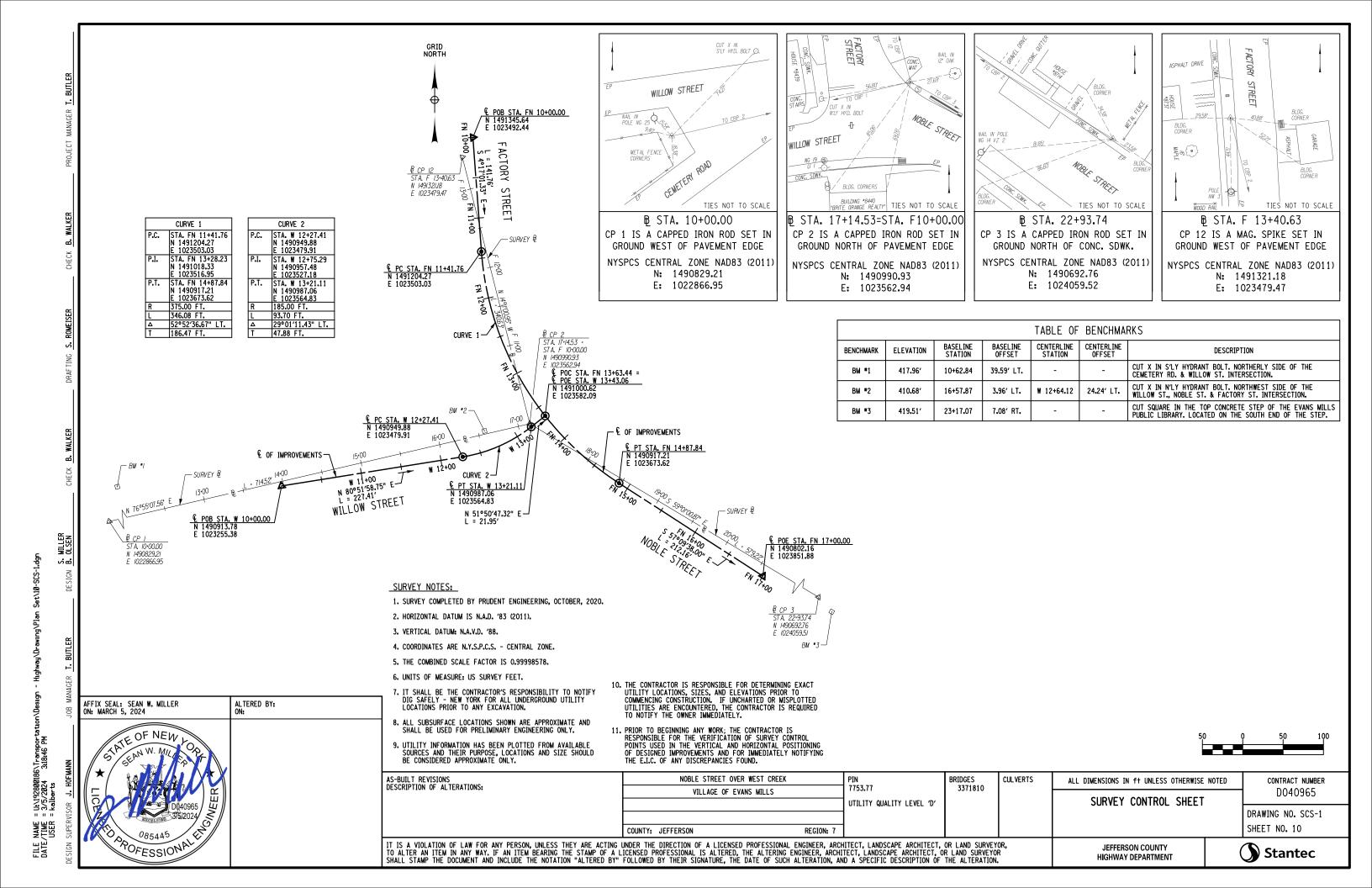
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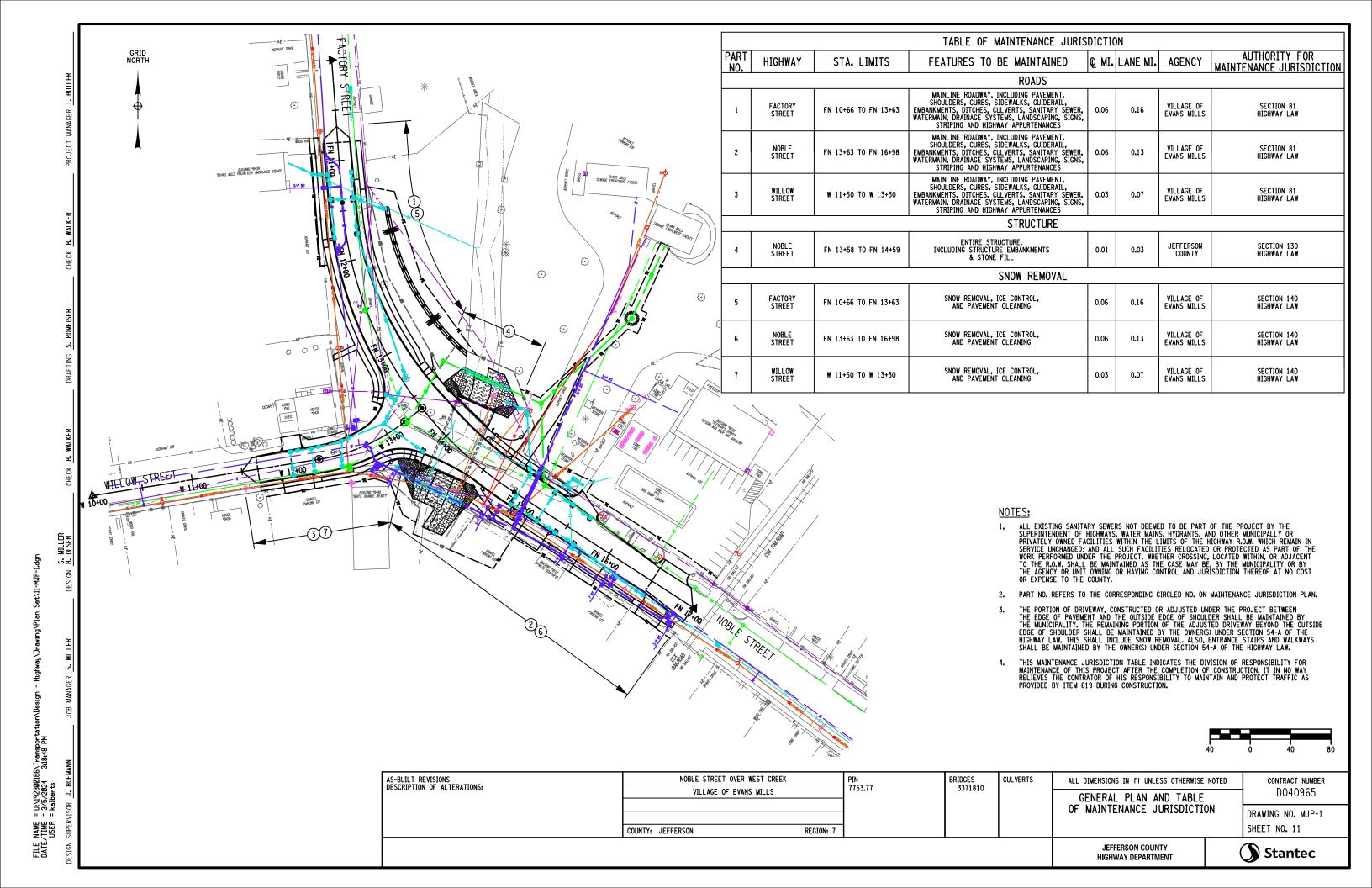
DRAWING NO. WZP-1 SHEET NO. 7

Stantec









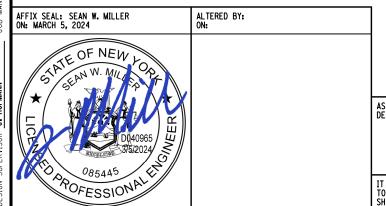
				GUIDE I	RAIL TABLE							
ITEM NO.				DE	SCRIPTION						PAY	UNIT
568.70 606.1001 606.100102 606.120101	BOX BEAM	N BRIDGE RAILING GUIDE RAILING WIT GUIDE RAILING WIT END PIECE			P BENT OR SHOP	P MITERED)					L L E	F F
	LOCA	TION		POST		PLAN	SHOP	END				
FROM	FROM TO				PAYMENT FACTOR	LENGTH (FT)	CURVE RADIUS*	SECTION TYPE**	02	606.1001	606.100102	606.120101
STA.	OFFSET	STA.	OFFSET	(FT)		(F1)	KADIUS	ITPE	568.70	.909	.909	.909
FN 13+25.2 FN 13+32.5 FN 13+41.9 FN 13+51.7 FN 13+76.8	37.1' LT. 34.3' LT. 31.8' LT. 31.2' LT. 32.8' LT.	FN 13+32.5 FN 13+41.9 FN 13+51.7 FN 13+76.8 FN 13+79.0	34.3' LT. 31.8' LT 31.2' LT. 32.8' LT. 33.0' LT.	VARIES 6 VARIES VARIES VARIES	1.0 1.0 1.0 1.0 1.0	7.2 9.0 9.0 23.0 2.0	35.00 35.00 200.00	END PIECE	9.0 23.0 2.0	- 9.0 - -		1.0
FN 14+24.4 FN 14+26.6 FN 14+51.1 FN 14+58.5 FN 14+61.1	34.3' LT. 34.2' LT. 39.1' LT. 45.1' LT. 53.7' LT.	FN 14+26.6 FN 14+51.1 FN 14+58.5 FN 14+61.1 FN 14+60.8	34.2' LT. 39.1' LT. 45.1' LT. 53.7' LT. 60.9' LT.	VARIES VARIES VARIES 6 VARIES	1.0 1.0 1.0 1.0 1.0	2.0 23.0 9.0 9.0 7.2	40.00 15.00 15.00	- - - - END PIECE	2.0 23.0 9.0 - -		- - 9.0 -	1.0
W 12+80.5 W 12+86.3 W 12+94.1 W 13+01.3 FN 13+99.2	29.7' RT. 27.2' RT. 26.2' RT. 29.4' RT. 37.8" RT.	W 12+86.3 W 12+94.1 W 13+01.3 FN 13+99.2 FN 14+08.2	27.2' RT, 26.2' RT. 29.4' RT. 37.8' RT. 33.8' RT.	VARIES 6 VARIES VARIES VARIES	1.0 1.0 1.0 1.0 1.0	7.2 9.0 9.0 14.3 10.7	20.00 20.00 40.00	END PIECE	9.0 14.3 10.7		- 9.0 - -	1.0
FN 14+42.6 FN 14+48.1 FN 14+53.7 FN 14+73.2 FN 14+81.0	21.2' RT. 19.9' RT. 19.7' RT. 27.1' RT. 30.4' RT.	FN 14+48.1 FN 14+53.7 FN 14+73.2 FN 14+81.0 FN 14+87.1	19.5' RT. 19.7' RT. 27.1' RT. 30.4' RT. 33.2' RT.	VARIES VARIES VARIES 6 VARIES	1.0 1.0 1.0 1.0 1.0	6.0 6.0 22.0 9.0 7.2	10.00		6.0 6.0 22.0 - -	- - 9.0 -	18.0	1.0
* SHOP CURVE RADI	US IS MEASUI	RED AT THE CONCA	VE FACE OF TH	IE CURVED RA	IL FOR THE SHO	P CURVE		IOIALS.	130.0	10.0	10.0	4.0

^{**} INSTALL LIKE A TYPE IIA END SECTION

	GUIDE F	RAIL REMOVAL	TABLE						
ITEM NO.		DESCRIPTION		PAY UNIT					
606.75	REMOVING	AND DISPOSING CON	CRETE BARRIER	LF					
LOCATION									
FRC									
STA.	LF								
FN 13+73 LT. FN 14+69 RT.									
			TOTALS:	101					

			UNDERDRA	AIN TABLE			
ITEM NO.			DE	SCRIPTION			UNITS
206.0201 605.1001 605.1501	UNDERDRA	ND CULVERT EXC NN FILTER, TYPE ED CORRUGATE	2	E UNDERDRAIN ⁻	TUBING, 4" DIA.		CY CY LF
STA ⁻	TION		206.0201	605.1001	605.1501	DRA	INS
FROM	ТО	LENGTH	(CY)	(CY)	(LF)	FROM	то
FACTORY STREET - L	EFT 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 - F	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 - LEF	TSIDE						
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 - RIG	SHT 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 26	DS 25
DS 26	FN 16+98.0 RT.	132.0	9.8	9.8	132.0	FN 16+98.0 RT.	DS 26
WILLOW STREET - L	EFTSIDE						
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 - R	IGHT 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		

- 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.



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

PIN 7753.77 BRIDGES 3371810

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED MISCELLANEOUS TABLES

GUIDE RAIL / UNDERDRAIN

CONTRACT NUMBER D040965

DRAWING NO. MST-1 SHEET NO. 12

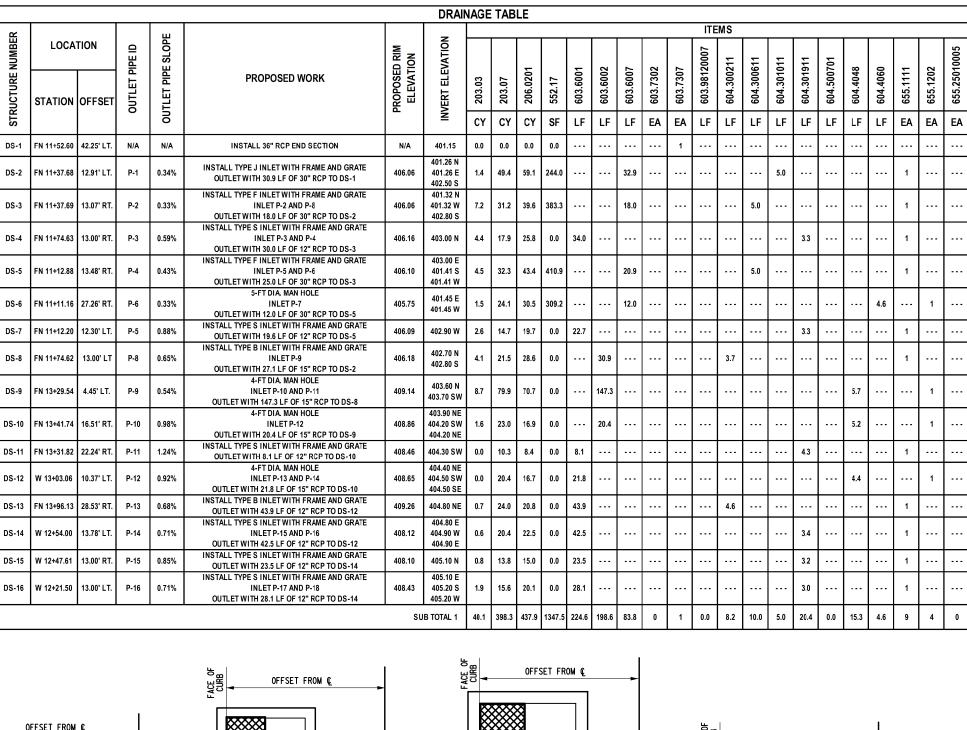


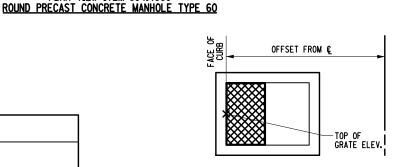


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BY B	븳	203.07	SELECT GRANU	LAR FILL
BY B	刪	206.0201	TRENCH AND C	ULVERT EXC
BY B	⊢I ~	552.17	SHIELDS AND S	HORING
BY B	GEF	603.6001	REINFORCED C	ONCRETE PI
BY B	AN/	603.6002	REINFORCED C	ONCRETE PI
BY B	≥	603.6007	REINFORCED C	ONCRETE PI
BY B	JEC			
BY B	, SS			
BUTTON BOUND B				
BY MAN BY BY MAN BY				
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BYTH BY		604.300611	RECTANGULAR	DRAINAGE S
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DRAINAGE NOTE: 1. THE DRAINAGE STRUCTURES SHALL HAVE CAST IN 12. THE CONTRACTOR SHALL VERIFY TOP OF GRATES AS 3. THE STATION AND OFFSET TO THE ROADWAY DRAIN. 4. THE STATION AND OFFSET TO THE FIELD INLETS AR 5. THE STATION AND OFFSET TO THE DRAINAGE END STATION AND OFFSET TO THE ROADWAY DRAIN AND OFFSET TO THE DRAINAGE END STATION AND OFFSET TO THE ROADWAY DRAIN AND OFFSET TO THE DRAINAGE END STATION AND OFFSET TO THE T				
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	DESIGN SUPERVISOR J. HOFMANN	TICE LICE	0040965 375/2024	

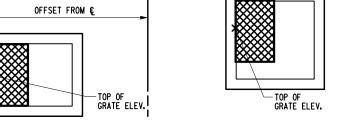
	DRAINAGE PAY ITEM DESCRIPTIONS							
TEM NUMBER	DESCRIPTION	UNIT						
203.03	EMBANKMENT IN PLACE	CY						
203.07	SELECT GRANULAR FILL	CY						
206.0201	TRENCH AND CULVERT EXCAVATION	CY						
552.17	SHIELDS AND SHORING	SF						
603.6001	REINFORCED CONCRETE PIPE CLASS III, 12 INCH DIAMETER	LF						
603.6002	REINFORCED CONCRETE PIPE CLASS III, 15 INCH DIAMETER	LF						
603.6007	REINFORCED CONCRETE PIPE CLASS III, 30 INCH DIAMETER	LF						
03.7302	REINFORCED CONCRETE PIPE END SECTIONS 15 INCH DIAMETER	EACH						
603.7307	REINFORCED CONCRETE PIPE END SECTIONS 30 INCH DIAMETER	EACH						
03.98120007	POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, 12"	LF						
604.300211	RECTANGULAR DRAINAGE STRUCTURE TYPE B FOR #11 WELDED FRAME	LF						
604.300611	RECTANGULAR DRAINAGE STRUCTURE TYPE F FOR #11 WELDED FRAME	LF						
604.301011	RECTANGULAR DRAINAGE STRUCTURE TYPE J FOR #11 WELDED FRAME	LF						
604.301911	RECTANGULAR DRAINAGE STRUCTURE TYPE S FOR #11 WELDED FRAME	LF						
604.500701	SPECIAL DRAINAGE STRUCTURE	LF						
604.4048	ROUND PRECAST CONCRETE MANHOLE TYPE 48							
604.4060	ROUND PRECAST CONCRETE MANHOLE TYPE 60							
655.1111	WELDED FRAME AND RETICULINE GRATE 11							
655.1202	MANHOLE FRAME AND COVER	EACH						
655.25010005	FURNISH AND/OR INSTALL INLET ASSEMBLY, AS SPECIFIED	EACH						
THE CONTRACTOR S THE STATION AND C	UCTURES SHALL HAVE CAST IN PLACE CONCRETE FORMED INVERTS. SHALL VERIFY TOP OF GRATES AND INVERTS PRIOR TO ORDERING STRUCTURES. FFSET TO THE ROADWAY DRAINAGE INLETS ARE TO THE CENTER OF STRUCTURE AT FA FFSET TO THE FIELD INLETS ARE TO THE CENTER OF THE STRUCTURE. FFSET TO THE DRAINAGE END SECTIONS ARE TO THE MID POINT OF THE WIDE END OF							
© OF MANHOLE	OFFSET FROM © TOP OF COVER ELEV.	OFFSET FROM ©						

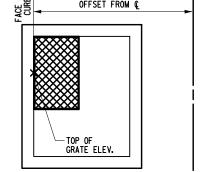
ALTERED BY:





PLAN VIEW ITEM-604.4060





OFFSET FROM @ GRATE ELEV.

PLAN VIEW ITEM-604.300211
DROP INLET "B" (PRECAST AGAINST CURB)

PLAN VIEW ITEM-604.300611 DROP INLET "F" (PRECAST AGAINST CURB)

PLAN VIEW ITEM-604.301011 DROP INLET "J" (PRECAST AGAINST CURB)

CUL VERTS

BRIDGES

3371810

PLAN VIEW ITEM-604.301911
DROP INLET "S" (PRECAST AGAINST CURB)

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS: NOBLE STREET OVER WEST CREEK 7753.77 VILLAGE OF EVANS MILLS REGION: 7 COUNTY: JEFFERSON

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

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

MISCELLANEOUS TABLES DRAINAGE

> SHEET NO. 13 **Stantec**

DRAWING NO. MST-2

CONTRACT NUMBER

D040965

DRAINAGE PAY ITEM DESCRIPTIONS UNIT ITEM NUMBER DESCRIPTION EMBANKMENT IN PLACE CY 203.03 203.07 SELECT GRANULAR FILL CY 206.0201 TRENCH AND CULVERT EXCAVATION CY 552.17 SHIELDS AND SHORING SF 603.6001 REINFORCED CONCRETE PIPE CLASS III, 12 INCH DIAMETER LF 603.6002 REINFORCED CONCRETE PIPE CLASS III, 15 INCH DIAMETER LF 603.6007 REINFORCED CONCRETE PIPE CLASS III, 30 INCH DIAMETER LF EACH 603.7302 REINFORCED CONCRETE PIPE END SECTIONS 15 INCH DIAMETER EACH 603.7307 REINFORCED CONCRETE PIPE END SECTIONS 30 INCH DIAMETER 603.98120007 POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, 12" LF 604.300211 LF RECTANGULAR DRAINAGE STRUCTURE TYPE B FOR #11 WELDED FRAME LF 604.300611 RECTANGULAR DRAINAGE STRUCTURE TYPE F FOR #11 WELDED FRAME 604.301011 LF RECTANGULAR DRAINAGE STRUCTURE TYPE J FOR #11 WELDED FRAME 604.301911 LF RECTANGULAR DRAINAGE STRUCTURE TYPE S FOR #11 WELDED FRAME 604.500701 LF SPECIAL DRAINAGE STRUCTURE 604.4048 LF ROUND PRECAST CONCRETE MANHOLE TYPE 48 604.4060 LF ROUND PRECAST CONCRETE MANHOLE TYPE 60 655.1111 WELDED FRAME AND RETICULINE GRATE 11 EACH EACH MANHOLE FRAME AND COVER 655.25010005 FURNISH AND/OR INSTALL INLET ASSEMBLY, AS SPECIFIED EACH

DRAINAGE NOTE:

- 1. THE DRAINAGE STRUCTURES SHALL HAVE CAST IN PLACE CONCRETE FORMED INVERTS.
- 2. THE CONTRACTOR SHALL VERIFY TOP OF GRATES AND INVERTS PRIOR TO ORDERING STRUCTURES.
- 3. THE STATION AND OFFSET TO THE ROADWAY DRAINAGE INLETS ARE TO THE CENTER OF STRUCTURE AT FACE OF CURB.
- 4. THE STATION AND OFFSET TO THE FIELD INLETS ARE TO THE CENTER OF THE STRUCTURE.
- 5. THE STATION AND OFFSET TO THE DRAINAGE END SECTIONS ARE TO THE MID POINT OF THE WIDE END OF THE FLARE.

"SEE MST-2 FOR DETAILS SHOWING THE PLACEMENT OF THE © OFFSETS AND TOP OF GRATE OR TOP OF COVER LOCATIONS FOR THE DIFFERENT TYPE OF DRAINAGE STRUCTURES"

		D	RAINA	GE ST	RUCTURE REMOVAL TABL	E					
NUMBER	LOCA.	TION	SC E SC		PIPE ID						MS
STRUCTURE	STATION	OFFSET	OUTLET P	OUTLET PIPE	PROPOSED WORK	EXISTING RIN ELEVATION	INVERT ELEVATION	203.03	206.0201		
SI				°			_=	CY	CY		
R 1	FN 15+31	33.0' LT.	N/A	N/A	REMOVE EXISTING DRAINAGE INLET	406.02	399.72	3.8	3.8		
R 2	FN 15+66	15.8' RT.	N/A	N/A	REMOVE EXISTING DRAINAGE INLET	407.41	403.41	2.5	2.5		
							TOTAL:	6.3	6.3		

	DRAINAGE TABLE (CONTINUED)																										
ER	LOCA	Z Z			I								MS							1							
I OMB	LOCA	IION	PIPE ID	SLOPE		O RIM	 ATIC										0007	11	11	11	7	01					900
RUCTURE NUMBER	STATION	OFFSET	OUTLET PI	OUTLET PIPE	PROPOSED WORK	PROPOSED RIM ELEVATION	INVERT ELEVATION	203.03	203.07	206.0201	552.17	603.6001	603.6002	603.6007	603.7302	603.7307	603.98120007	604.300211	604.300611	604.301011	604.301911	604.500701	604.4048	604.4060	655.1111	655.1202	655.25010005
ST				ō				CY	CY	CY	SF	LF	LF	LF	EA	EA	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA
DS-17	W 12+21.52	13.00' RT.	P-17	0.92%	INSTALL TYPE S INLET WITH FRAME AND GRATE OUTLET WITH 21.8 LF OF 12" RCP TO DS-16	408.03	405.40 N	1.1	12.6	14.8	0.0	21.8									2.8				1		
DS-18	W 12+00.41	13.00' LT.	P-18	0.54%	INSTALL TYPE S INLET WITH FRAME AND GRATE INLET P-19 OUTLET WITH 18.4 LF OF 12" RCP TO DS-16	408.08	405.40 S 405.30 E	1.3	11.8	15.7	0.0	18.4									2.8				1		
DS-19	W 12+00.44	13.00' RT.	P-19	0.92%	INSTALL TYPE S INLET WITH FRAME AND GRATE OUTLET WITH 21.8 LF OF 12" RCP TO DS-18	408.07	405.60 N	1.1	11.5	14.8	0.0	21.8									2.6				1		
DS-20	FN 14+20.44	65.70' LT.	N/A	N/A	INSTALL 18" RCP END SECTION	N/A	401.90	0.0	0.0	0.0	0.0				1												
DS-21	FN 14+46.77	72.53' LT.	P-20	1.12%	INSTALL TYPE S INLET WITH FRAME AND GRATE INLET P-21 OUTLET WITH 35.8 LF OF 15" RCP TO DS-20	405.00	402.40 S 402.30 W	2.6	23.4	24.1	0.0		35.8								1.0				1		
DS-22	FN 14+91.47	24.00' LT.	P-21	0.66%	INSTALL TYPE S INLET WITH FRAME AND GRATE INLET P-21 OUTLET WITH 60.4 LF OF 15" RCP TO DS-21	407.97	402.80 N 402.90 S	8.6	34.3	44.9	0.0		60.4								5.3				1		
DS-23	FN 14+91.47	13.00' RT.	P-22	0.65%	INSTALL TYPE B INLET WITH FRAME AND GRATE INLET P-23 OUTLET WITH 30.8 LF OF 15" RCP TO DS-22	408.21	403.10 NW 403.25 SE	6.4	24.6	32.9	181.9		30.8					5.2							1		
DS-24	FN 15+21.91	13.00' RT.	P-23	0.55%	INSTALL TYPE B INLET WITH FRAME AND GRATE INLET P-24 AND P-28 OUTLET WITH 27.4 LF OF 15" RCP TO DS-23	407.48	403.50 NE 403.40 NW 403.65 SE	5.2	20.4	28.6	162.7		27.4					21.0							1		
DS-25	FN 15+43.41	13.00' RT.	P-24	1.89%	INSTALL TYPE B INLET WITH FRAME AND GRATE INLET P-25 OUTLET WITH 18.5 LF OF 12" RCP TO DS-24	407.32	404.00 NW 404.10 SE	2.2	14.1	18.6	0.0	18.5						3.4							1		
DS-26	FN 15+64.91	13.00' RT.	P-25	0.54%	INSTALL TYPE B INLET WITH FRAME AND GRATE INLET P-26 OUTLET WITH 18.5 LF OF 12" RCP TO DS-25	407.48	404.10 NW 404.30 SE	1.8	14.0	18.2	0.0	18.5						3.4							1		
DS-27	FN 16+49.83	16.60' RT.	P-26	2.57%	4-FT DIA. MAN HOLE INLET P-27 OUTLET WITH 81.6 LF OF 12" RCP TO DS-26	411.72	406.40 NW 406.50 SE	13.1	20.3	58.3	239.1	81.6											5.4			1	
DS-28			P-27	3.69%	NONE - EXISTING CATCH BASIN	414.60	N/A	0.0	0.0	0.0	0.0																
DS-29	FN 15+21.91	24.00' LT.	P-28	0.69%	INSTALL TYPE B INLET WITH FRAME AND GRATE INLET P-29 AND P-31 OUTLET WITH 29.0 LF OF 12" RCP TO DS-24	407.26	403.80 NE 403.70 SW 403.80 SE	4.4	19.1	25.6	0.0	29.0						3.7							1		
DS-30	FN 15+29.97	43.10' LT.	P-29	0.50%	INSTALL TYPE S INLET WITH FRAME AND GRATE INLET P-30 OUTLET WITH 19.8 LF OF 12" RCP TO DS-29	405.94	403.90 SW 404.00 SE	0.5	11.0	13.5	0.0	19.8									2.2				1		
DS-31	FN 15+40.62	43.09' LT.	P-30	0.50%	INSTALL FIELD INLET WITH FRAME AND GRATE OUTLET WITH 8.8 LF OF 12" PVC TO DS-30	408.15	404.50 E* 404.05 NW	0.3	5.3	12.3	0.0						8.8					4.6					1
DS-32	FN 15+43.41	22.67' LT.	P-31	0.54%	INSTALL TYPE B INLET WITH FRAME AND GRATE INLET P-32 OUTLET WITH 18.4 LF OF 12" RCP TO DS-29	407.12	403.90 NW 404.00 SE	1.4	14.1	17.3	0.0	18.4						3.4			3.4				1		
DS-33	FN 15+64.91	21.13' LT.	P-32	0.54%	INSTALL TYPE B INLET WITH FRAME AND GRATE OUTLET WITH 18.6 LF OF 12" RCP TO DS-32	407.31	404.10 NW	1.9	14.2	19.1	154.9	18.6						3.4		:					1		
						SU	JB TOTAL 2	52.0	250.7	358.8	738.5	266.4	154.4	0.0	1	0	8.8	43.6	0.0	0.0	20.2	4.6	5.4	0.0	13	1	1
							TOTAL:	92.1	649.0	796.6	2086.0	491.0	353.0	83.8	1	1	8.8	51.8	10.0	5.0	40.6	4.6	20.7	4.6	22	5	1
* THE C	CONTRACTOR S	HALL FIEL	D VERIFY	ELEVATION	PRIOR TO ORDERING STRUCTURE									I													



AS-BUILT REVISIONS DESCRIPTION OF ALTE	DATIONS.	NOBLE STREET OVER WEST CREEK		PIN		CULVERTS	ALL DIMENSIONS IN f† UNLESS OTHERWISE	NOTED	CONTRACT NUMBER
DESCRIPTION OF ALTE	NATIONS:	VILLAGE OF EVANS MILLS		7753.77	3371810		MISCELLANEOUS TABLES		D040965
				-			DRAINAGE	ı	DRAWING NO. MST-3
		COUNTY: JEFFERSON	REGION: 7	1					SHEET NO. 14
TO ALTER AN ITEM IN	I ANY WAY. IF AN ITEM BEARING THE STAMP OF A L	UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ICENSED PROFESSIONAL IS ALTERED, THE ALTERING I FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH	ENGINEER. ARCHI	TECT. LANDSCAPE ARCHITECT. 0	R LAND SURVEYOR	R	JEFFERSON COUNTY HIGHWAY DEPARTMENT	(Stantec

J\Plan Set\15-MST-4.dgn	O MILED
in - Highway\Drawing\Pla	
ransportation\Desig 9:10 PM	
E NAME = U:\192800186\T E/TIME = 3/5/2024 3:1 USER = kalberts	
E NAMI TE/TIMI USEI	

ssign - Highway∖Drawing\Plan S	JOB MANAGER S. MILLER	AFFIX SEAL: SEAN W. MILLER
FILE NAME = U:\192800186\Transportation\Design - Highway\Drawing\Plan S. DATE/TIME = 3/5/2024 3:19:10 PM USER = kalberts	DESIGN SUPERVISOR J. HOFMANN JOB	ON: MARCH 5, 2024 OR NEW SATE OF NEW SATE OF NEW OR NEW O

		WATER MAIN FITTINGS AND	VALV	E TA	BLE								
ITEM NO.		DESCRIPTION	N							UN	ITS		
663.1006	RESILIENT WEDGE	VALVE & VALVE BOX, 6"								E	Α		
663.1008	RESILIENT WEDGE	VALVE & VALVE BOX, 8"								E	A		
663.160808	TAPPING SLEEVE, V	'ALVE & VALVE BOX ASSEMBLY, 8"x8"								E	A		
663.1808	BOLTED SLEEVE TYPE COUPLING, 8"												
663.2001	IRON WATER MAIN									LE	BS		
663.2106		ANICAL RESTRAINT GLANDS, 6"									Α		
663.2108		/EDGE TYPE MECHANICAL RESTRAINT GLANDS, 8"											
663.33		ALVE BOX ELEVATIONS								_	A		
663.40	DISCONNECT AND (
		MOILAINDSEAD MO											
STATION	OFFSET	DESCRIPTION	10	10(09	18	20(21(21(663.33	663.40		
OTATION	002.	DECORM FIGH	DESCLIALIZACION (663.1008 663.1008 663.1008 663.2001 663.2108 663.2										
			9	9	99	œ	9	9	9		_		
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				l	110		2				
FN 11+86.27	9.11' RT.	8" X 8" TSVB (TEMP.)			1	l			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		
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											
FN 12+76.17	0.28' LT.	CONNECT TO EXISTING VALVE BOX ELEVATIONS											
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+77.85	66.94' RT.	8" 45" BEND											
FN 13+78.71	69.56' RT.	6" GATE VALVE 1 1 2											
FN 13+80.17	65.90' RT.	8" GATE VALVE	l .:.	1		l			2				
FN 13+87.98	62.19' RT.	8" 45° BEND					110		2				
FN 13+95.99	58.60' RT.	8" 45° BEND	l			l	110		2				
FN 14+64.19	37.33' RT.	8" 45° BEND					110		2				
						l .							
FN 14+72.80	35.73' RT.	8" 45° BEND				l	110		2				
FN 14+80.62 FN 14+84.78	34.49' RT. 33.90' RT.	8" GATE VALVE 6" X 8" X 8" TEE		1			175	1	2 2				
FN 14+84.78 FN 14+83.86	25.67' RT.	6" GATE VALVE	1			l :::	1/5	2					
FN 16+17.69	26.50' RT.	6" X 8" X 8" TEE	l .'.			:::	175	1	2				
FN 16+17.69		24.53' RT. 6" GATE VALVE 1 2 2											
FN 16+77.30	26.50' RT.												
FN 16+86.84	26.66' RT.								2				
		8" 22.5° BEND					105						
FN 16+83.31	20.50' RT. 21.82' RT.	8" GATE VALVE		1	1				2				
FN 16+85.36	· ·	8" X 8" TSVB (TEMP.)			1		440						
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 19+90.90	14.90' RT.	BOLTED, SLEEVE TYPE COUPLING				1			40		1		
VARIES	VARIES	12 8" DIP PLUGS AT VARIOUS LOCATIONS					264		12				
		TOTALS:	3	3	2	3	2434	9	56	4	3		

											WA	TER	MAIN	TAB	.E							
ITEM NO.													RIPTIC									PAY UNITS
	l .	T GRANULAR F	ILL																			CY
		BACKFILL	T EVO 4	VATION																		CY
		H AND CULVER OS AND SHORI		WATION																		CY SF
		C WATER PIPE																				LF
	l .	C WATER PIPE																				LF
	l .	THYLENE WAT		VICE PIPE, 3/	4"																	LF
663.0704		THYLENE WAT																				LF
	l .	THYLENE WAT			•																	LF
663.2507 663.2503		SERVICE CON SERVICE CON																				EA EA
	l .	SERVICE CON																				EA EA
		STOP & CURB		,																		EA
	l .	STOP & CURB	,																			EA
663.2607	CURB S	STOP & CURB	BOX, 2"																			EA
		T EXISTING CU	IRB BOX	ELEVATION																		EA
	LOCA			PLAN	20	.25	201	17	406	408	703	503	.2603	704	.2504	604	707	.2507	.2607	35		
FROM STA.	SIDE	STA.	SIDE	LENGTH	203.07	203.	206.0201	552.17	663.0406	663.0408	663.0703	663.2503	663.2	663.0704	663.2	663.2604	663.0707	663.2	663.2	663.	REMARKS	
SIA.	SIDE	SIA.	SIDE						9	9	9	9		9	9	9	9	உ	9			
FN 10+92.26	RT.	FN 11+06.02	RT.	18.9	8.9	4.4	13.7	245.7	l	18.9			l			l	l			l	BEGIN NEW SEGMENT OF PROPOSED 8" PVC WATER	R MAIN
FN 11+25.54	RT.	FN 11+25.80	RT.	16.8	7.9	3.9	12.1	218.4			16.8	1								l 1	3/4" SERVICE LATERAL CONNECTION TO EXISTING	
FN 11+06.02	RT.	FN 11+89.42	RT.	88.6	41.8	20.7	64.0	1151.8		88.6			l			١	l	l			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			l			١	l	l			CONNECTION TO MAINTAIN WATER SERVICE DURIN	IG 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 I	
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	R 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 DURIN	IG CONSTRUCTION
FN 16+81.99	RT.	FN 16+90.90	RT.	23.8	11.2	5.6	17.2	309.4		23.8		<u></u>						<u> </u>			END NEW SEGMENT OF PROPOSED 8" PVC WATER I	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		

Н	YDRANT TABL	.E									
ITEM NO.	DESCRIPTION	PAY UNIT									
663.1301	EACH										
LOCATION 663.1303											
STATION	EA										
W 12+76.6	25.5' RT.	1									
FN 14+83.2	1										
FN 16+17.7	1										
TO ⁻	3										

ITEM NO.	DESCRIPTION	PAY UNIT
663.1301	HYDRANT	EACH
LOCA	ATION	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
TO	3	

AS-BUILT REVISIONS	NOBLE STREET OVER WEST CREEK
DESCRIPTION OF ALTERATIONS:	VILLAGE OF EVANS MILLS
	COUNTY: JEFFERSON REGIO
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING	UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED CONTRACT NUMBER D040965 MISCELLANEOUS TABLES WATERMAIN

JEFFERSON COUNTY HIGHWAY DEPARTMENT

DRAWING NO. MST-4 SHEET NO. 15

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.

PIN 7753.77

BRIDGES 3371810

CULVERTS



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ortation/Design -	DATE/TIME = 3/5/2024 3:19:17 PM		
800166\Iransp	24 3:19:17	ţ	
- U:\I328	= 3/5/20	= kalber	
ILE NAME	ATE/TIME	USER	
_	٥		

	TEST PIT EXCAVATION							
ITEM NO.		DE	SCRIPTION	PAY UNIT				
206.05		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 N	ITEM NO. DESCRIPTION									PAY UNIT	
304.12 SUBBASE COURSE, TYPE 2 608.020102 ASPHALT SIDEWALKS, DRIVEWAYS, BICYCLE PATHS & VEG. CONTROL STRIPS							CY TON				
CTATION	CIDE	COMM./RES.	EXIST.	PROPOSED DEPTH	CURB LEN	IGTH (FT.)	DRIVEW	/AY(FT.)	APRON (FT.)	304.12	609 020402
STATION	SIDE	COMINI./RES.	SURFACE	ASPHALT / SUBBASE	HEADER	TRANS.	WIDTH	LENGTH	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	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	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

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

W 11+62 TO W 11+91

W 11+66 TO W 11+80

REGION: 7

RT.

RT. RT.

LT.

RT.

TOTAL:

15

35

15

1,415

ROLLED EROSION CONTROL MATERIAL TABLE							
ITEM NO.	DES	CRIPTION	PAY UNIT				
209.190301	ROLLED EROSION CONTROL SY PRODUCT, CLASS II TYPE C, INTERMEDIATE						
STATION - S	TATION	SIDE	209.190301				
FN 11+28 TO F FN 14+11 TO F		LT. LT.	765 215				
W 12+71 TO FI FN 14+55 TO F		RT. RT.	125 115				
		TOTAL:	1,220				

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 UG GAS UTILITY POLE	NATIONAL GRID	POSSIBLE - 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 POSSIBLE - PROPOSED STORM SEWER CROSSING PROBABLE - UTILITY POLE LOCATED AT PROPOSED SIDEWALK LOCATION POSSIBLE - PROPOSED SANITARY SEWER CROSSING PROSSIBLE - UTILITY POLE LOCATED AT SIDEWALK GRADING POSSIBLE - UTILITY POLE LOCATED AT PROPOSED MANHOLE LOCATION							

	7.5 10.0 7.5 14.0 6.0	11.0 N/A 10.0 N/A 4.0	11.2 1.5 10.0 5.0 6.7	8.6 1.8 7.7 4.9 6.9		FN 16+50 TO FN 10 W 11 W 11+50 TO W 11+66 TO	128.6					
		TOTAL:	128.2	121.9	J		TOTAL	S:	406.0			
		011 T FEN	105 TABLE		1		0711		-140)/41			
		SIL1 FEN	ICE TABLE				SIU	MP RI	EMOVAL			
	ΓEM NO.	DES	CRIPTION	PAY UNIT		ITEM NO.		DESCRIPTION				
209	0.13	SILT FENCI	E - TEMPORARY	LF		614.0701		PRE-EXISTING STUMP REMOV				
S	STATION - S	TATION	SIDE	209.13				I I				
	FN 10+84 TO FN 13+65 LT. FN 13+84 TO FN 14+57 LT. FN 14+35 TO FN 14+65 LT. FN 14+80 TO FN 15+44 LT.		LT. 85 LT. 130 LT. 300		STATION	OFFSET	SIDE	DESC				
				85		FN 12+33 FN 13+30	25' 5'	LT. LT.	8" 8"			
	FN 10+76 TO F FN 11+99 TO F		RT. RT.	15 90		FN 13+72	4'	LT.	8			
	FN 11+99 TO F		RT.	90 70		FN 14+10	47'	RT.	8'			
			RT.	135		FN 14+22	68'	RT.	4"			
W 12+10 TO FN 14+35 RT. 13						EN 14142	50'	ΙътΙ	6"			

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

PAVEMENT KEY TABLE

GEOTEXTILE STABILIZATION

SAW CUTTING ASPHALT CONCRETE

DESCRIPTION

MISCELLANEOUS COLD MILLING OF BITUMINOUS

207.24

129.3

148.1

490.30

174.0

28.0

231.0

PAY UNIT

SY

520.09000010 26.0

> 87.0 25.0

ITEM NO.

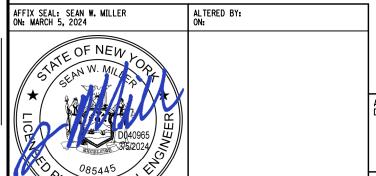
490.30

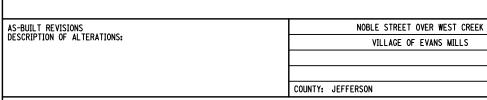
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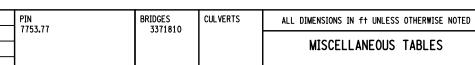
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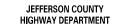
FN 10+66 TO FN 10+95 FN 10+82 TO FN 11+27

FN 16+05 TO FN 16+50











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. Highway\Drawing\Plan	
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LE NAME TE/TIME USER	

FILE

SANITARY SEWER TABLE							Y SEWE	R TABLE																
I	TEM NUMBE	:R					DE	SCRIPTION														P/	PAY UNIT	
203.03			EMBA	NKMENT	IN PLACE																	CU	BIC YA	RD
203.07			SELEC	T GRAN	JLAR FILL																	CU	BIC YAF	RD
206.0201			TRENC	H AND C	CULVERT EXCAVATION																	CU	BIC YAF	RD
552.17			SHIEL	DS AND	SHORING																	SQL	JARE FO	тоот
603.98XX	0007		POLYV	INYL CH	LORIDE (PVC) SEWER PIPE AND FITTINGS, XX"																	LIN	IEAR FO	от
604.07070	1		ALTER	ING DRA	INAGE STRUCTURES, LEACHING BASINS AND MANHOLES																		EACH	
604.50070	2		SPECI	AL DRAI	NAGE STRUCTURE																	LIN	IEAR FO	от
655.05010	800		STANE	ARD SA	NITARY MANHOLE FRAMES AND COVERS (CASTINGS)																		EACH	
655.05020	800		WATER	RTIGHT S	ANITARY MANHOLE FRAMES AND COVERS (CASTINGS)																		EACH	
659.7000N	IN01		ABANI	ON MAN	HOLES																		EACH	
664.40XX	0006		PREC	ASTSAN	ITARY SEWER MANHOLE (XX INCH DIAM.)																	LIN	IEAR FO	от
8	LOCAT	TION		JE.				z								ITE	MS							
STRUCTURE NUMBER	STATION	OFFSET	OUTLET PIPE ID	OUTLET PIPE SLOPE	PROPOSED WORK	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	INVERT ELEVATION	203.03	203.07	206.0201	552.17	603.98060007	603.98080007	603.98100007	604.070701	604.500702	655.05010008	655.05020008	659.70000101	659.70000201	659.70000301	664.40600006	664.40720006
ST				0				=	CY	CY	CY	SF	LF	LF	LF	EA	LF	EA	EA	EA	EA	EA	LF	LF
SS-1	FN 12+51.04	1.12' RT.			ADJUST MANHOLE FRAME AND COVER TO GRADE	406.16	407.39									1								
SS-2	FN 13+65.71	20.09' RT.	SP-1	1.00%	REPLACE EXISTING SANITARY SEWER MANHOLE W/ A NEW PRECAST 6-FT DIA. MANHOLE, CONNECT EXIST. 8" SEWERS W/4' LENGTHS OF 8" PVC, OUTLET TO SS-3 W/10" PVC	406.27	409.27	396.62 NW 396.67 SW 395.07 SE 396.00 NE	66.8	40.9	128.7	2038		8.0	66.6			1		1				12.9
SS-3	FN 13+36.42	44.42' LT.	SP-2	1.04%	NEW 5-FT DIA. PRECAST SANITARY MANHOLE, INLET W/10" PVC, OUTLET WITH 10" PVC TO SS-4		405.65	393.85 NE 393.95 S	102.2	43.8	162.2	2747			102.2				1				12.9	
SS-4	FN 14+54.82	87.11' LT.	SP-4	1.06%	NEW 5-FT DIA. PRECAST SANITARY MANHOLE W/ DROP INLET, INLET W/ 2 - 10" PVC, OUTLET WITH 10" PVC TO SS-6		405.65	393.30 NW 393.20 NE 398.60 S 393.30 S	140.8	48.1	205.9	3525			116.5				1				13.5	
SS-5	FN 15+09.14	22.04' LT.	SP-3	7.70%	REPLACE EXISTING SANITARY SEWER MANHOLE W/ A NEW PRECAST 5-FT DIA. MANHOLE, CONNECT EXIST. 10" SEWER W/ 4' LENGTH OF 10" PVC, OUTLET W/ 10" PVC TO SS-4	408.11	407.50	399.20 N 393.00 N 393.31 NW 400.50 SE	55.3	31.9	97.4	1644			81.2				1		1		8.0	
SS-6	FN 14+92.28	207.85' LT.	SP-5	0.00%	NEW 10-FT DIA. PRECAST WET WELL/RECEIVING MANHOLE FOR EVANS MILLS SEWAGE TREATMENT FACILITY		405.40	385.00 (SUMP) 399.40 N 392.75 S	24.4	19.1	44.4	800	80											
SS-7	FN 15+08.53	34.14' LT.			ABANDON EXIST. PUMP STATION WET WELL																	1		
SS-8	W 12+53.54	14.12' RT.			REPLACE EXIST. SAN. SEWER MH W/ NEW SPECIAL DESIGN SEWER MH, CONNECT EXIST. 8" SEWER W/ 4' LEGTH OF 8" PVC, OUTLET W/ 8" PVC AND CONNECT TO EXIST. 8" SEWER	407.81	407.81	401.82 NE 401.66 W	5.0	10.5	25.7	366		8.0			6.4	1						
								TOTAL	394.4	194.3	664.4	11120	80.0	16.0	366.6	1	6.4	2	3	1	1	1	34.4	12.9

AFFIX SEAL: SEAN W. MILLER ON: MARCH 5, 2024	ALTERED BY: ON:
CONEW DO NEW DO	
POFESSIONAL	

AS-BUILT REVISIONS	NOBLE STREET OVER WEST CREEK		IN		CI
DESCRIPTION OF ALTERATIONS:	VILLAGE OF EVANS MILLS		7753.77	3371810	
	COUNTY: JEFFERSON REC	GION: 7			L
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING					
TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A L SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY"					

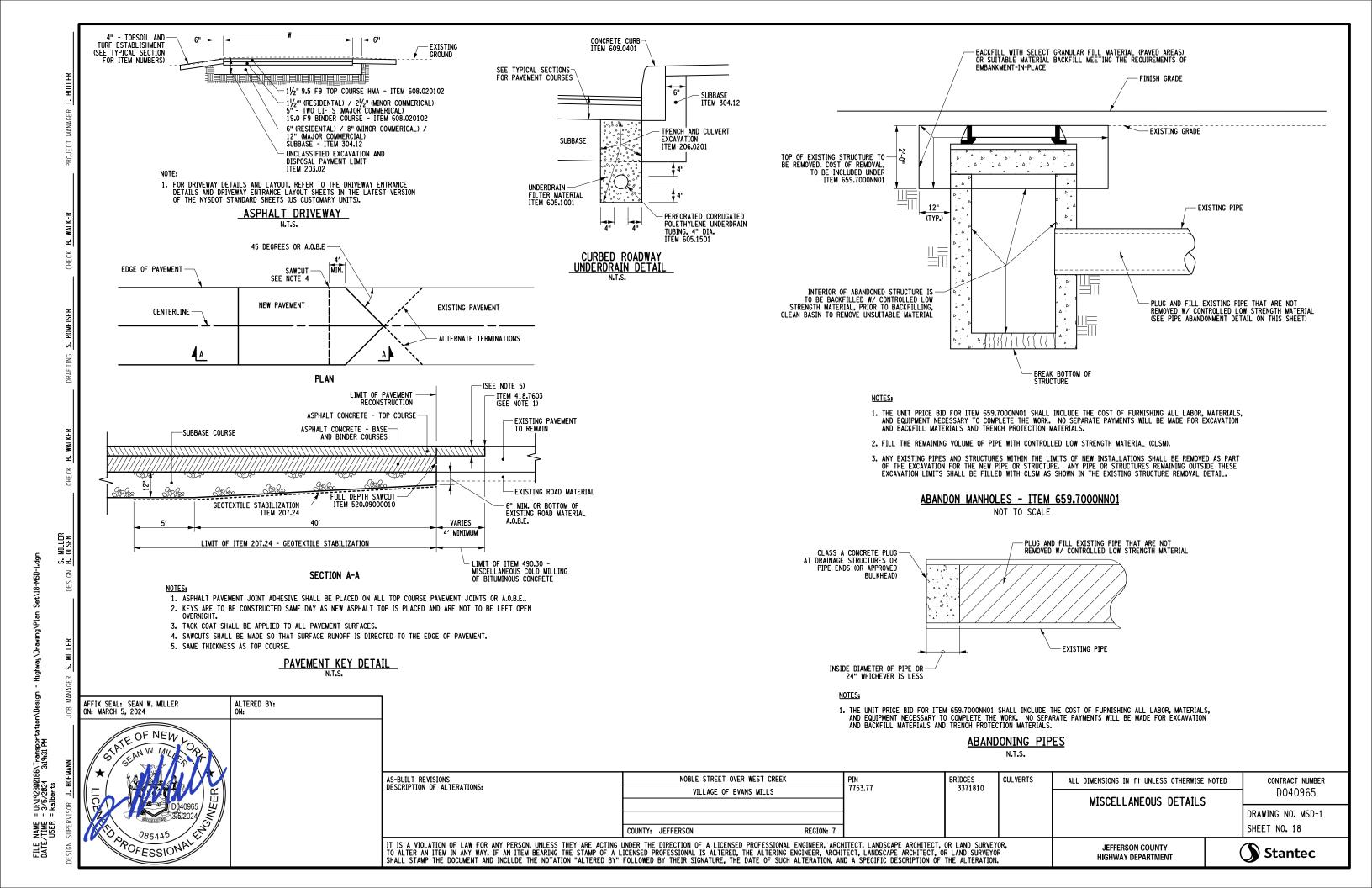
BRIDGES 3371810 CULVERTS ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

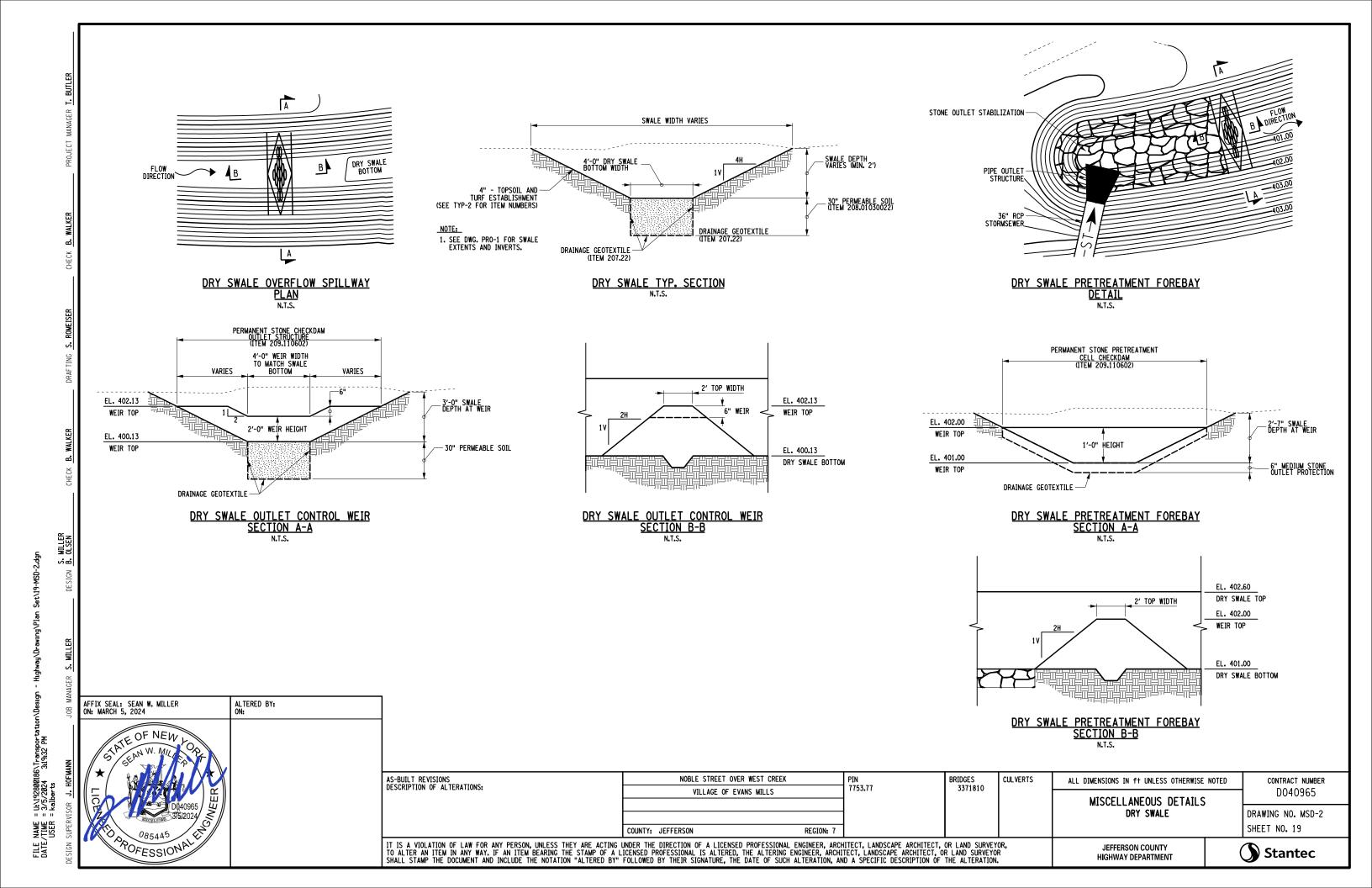
MISCELLANEOUS TABLES SANITARY SEWER

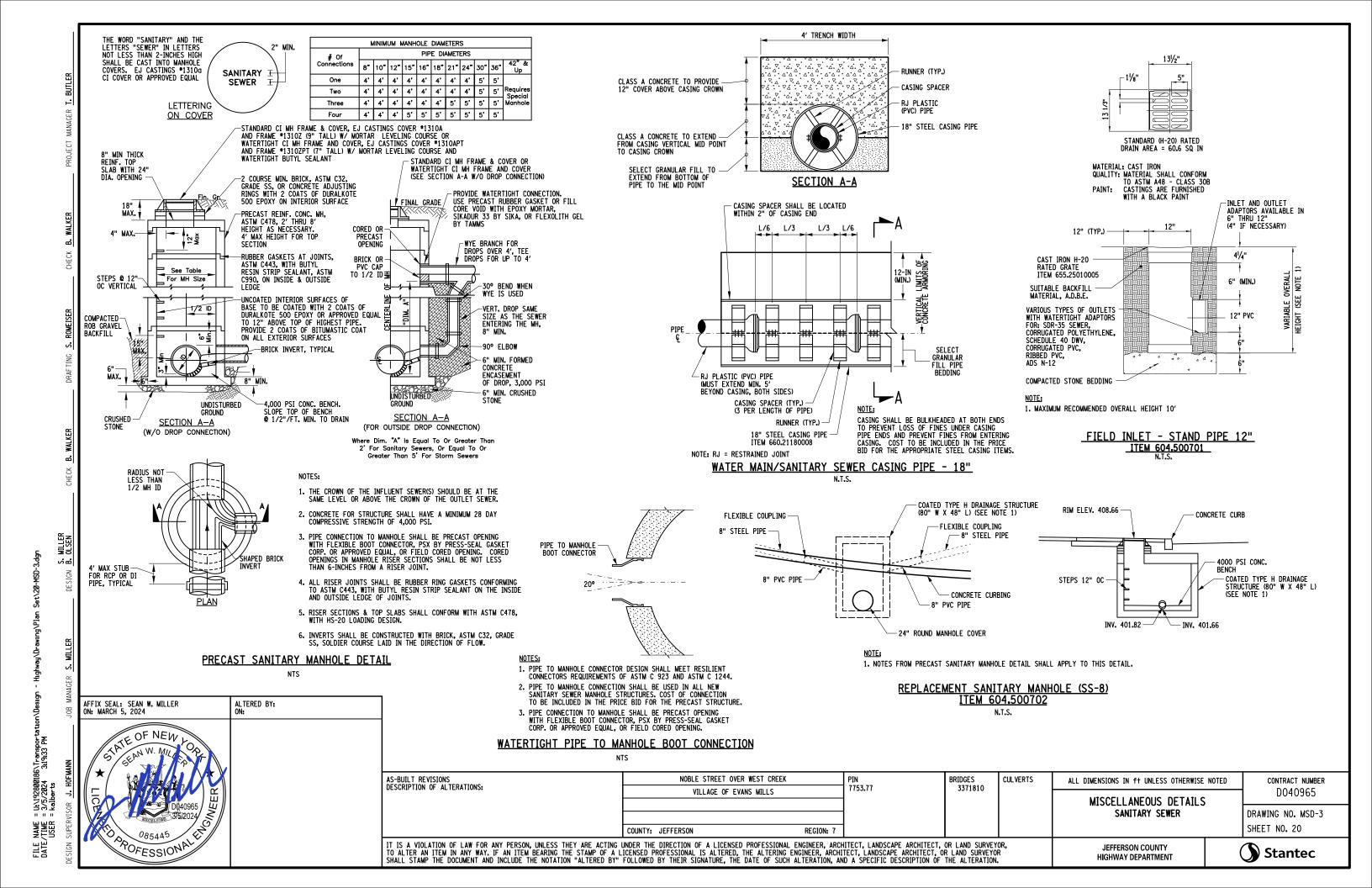
CONTRACT NUMBER D040965 DRAWING NO. MST-6

SHEET NO. 17 **Stantec**

JEFFERSON COUNTY HIGHWAY DEPARTMENT







FILE DATE/

GENERAL WATER MAIN NOTES:

- 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.
- 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.
- 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.
- 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.
- 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.
- ALL BENDS, TEES, REDUCERS, CAPS AND PLUGS MUST HAVE THRUST BLOCKS. CONCRETE STRENGTH FOR THRUST BLOCKS SHALL BE AS REQUIRED BY SYSTEM OPERATOR.
- APPROVED PLANS OF PROPOSED FACILITIES WITHIN OR ADJACENT TO THE ROW SHALL NOT BE CHANGED WITHOUT THE PRIOR APPROVAL BY THE PROJECT MANAGER.
- MAINTAIN DRAINAGE THROUGHOUT THE PERIOD OF CONSTRUCTION.
- 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.
- . 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.
- . 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 POTIONS 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 VERIEY 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 NYSDOT STANDARD
- 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.
- 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 SLOWN ON THE CONTRACT DIAMS AND ADDROVER BY THE ADDROPORTATE LIELT TH ACKNOY. 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 PROIR 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 LANGE (2) LANGE (2) LANGE (2) LANGE (2) LANGE (2) LANGE (2) LANGE (3) LANG
- 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 BACTERIALOGICAL 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 DAYLOR OF THE PROPERTY OF 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.

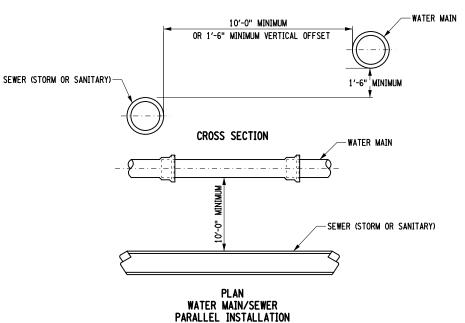
ALL WATER MAIN PIPE FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB-DISINFECTED 30 MINUTES PRIOR TO INSTALLATION.

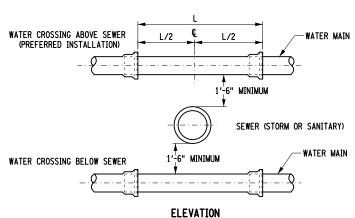
THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLAMING.

FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS.

THE JEFFERSON COUNTY DEPARTMENT OF PUBLIC HEALTH MUST RECEIVE AT LEAST 48-HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK REQUESTING SAMPLING SERVICES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW TORK 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 DEPARTMENT WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL COLIFORM, ESCHERICHIA COLI (E. COLI) AND TURBIDITY.

- 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 OF WATER MAIN PIPE SHALL BE CENTERED UNDER OR OVER THE SEMER 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 INISHED 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.





WATER MAIN/SEWER CROSSING

AFFIX SEAL: SEAN W. MILLER ON: MARCH 5, 2024 ALTERED BY: OF NEW 085445 POFESSIONAL

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

BRIDGES 3371810

7753.77

REGION:

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

JEFFERSON COUNTY

HIGHWAY DEPARTMENT

MISCELLANEOUS DETAILS WATERMAIN

CONTRACT NUMBER D040965

DRAWING NO. MSD-4 SHEET NO. 21

Stantec

FILE NAME : DATE/TIME : USER :

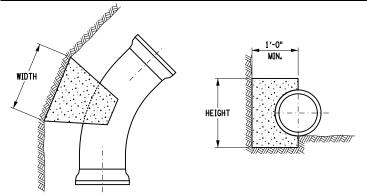
MIN. WIDTH HEIGHT

PLAN VIEW

DI ANI VIEW

END VIEW

90° BEND THRUST BLOCK DIMENSIONING										
PIPE SIZE WIDTH (FT-IN) HEIGHT (FT-IN) PIPE SIZE WIDTH (FT-IN) HEIGHT (FT-II										
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"					



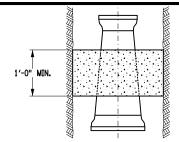
	PLAN VIEW		CI		
PIPE SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN)	PIPE SIZE	WIDTH (FT-IN)	HEIGHT (FT-IN
4 NPS	2'-0"	0'-9"	14 NPS	5'-3"	2'-6"
6 NPS	2'-6"	1'-3"	16 NPS	5'-6"	3'-3"
8 NPS	3'-3"	1'-9"	18 NPS	7'-3"	3'-3"
10 NPS	4'-0"	2'-0"	20 NPS	7'-3"	4'-0"
12 NPS	4'-6"	2'-3"	24 NPS	8'-9"	4'-6"

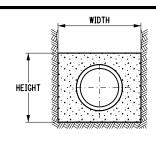
END VIEW

	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 ¼° 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



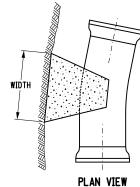


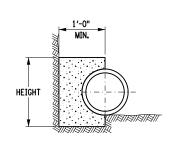


PLAN VIEW

END VIEW

	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"						





FND	VIEW
ENU	ATEM

	111/4° BEND THRUST BLOCK DIMENSIONING										
PIPE SIZE WIDTH (FT-IN) HEIGHT (FT-IN) PIPE SIZE WIDTH (FT-IN) HEIGHT (F											
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"						

- 1. SEE THE SPECIAL NOTES IN CONTRACT PROPOSAL BOOK ENTITLED "OWNER REQUIREMENTS FOR WATER MAINS AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL REQUIREMENTS.
- 2. 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
- 3. 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.
- 4. 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.
- 5. 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.
- 6. FOR BENDS, BEARING AREA SHALL BE PARALLEL TO THE EDGE OF THE FITTING AT THE FITTING MIDPOINT.

- 7. FOR TEES, BEARING AREA SHALL BE PERPENDICULAR TO THE BRANCH (SINGLE LEG) AXIS.
- 8. 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,
- THRUST RESTRAINTS FOR SIZES OVER 24 MPS 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.

BRIDGES

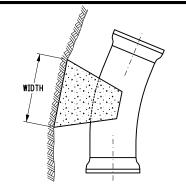
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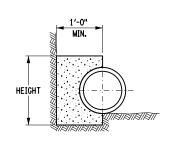
10. THRUST BLOCK SIZES AND MINIMUM RESTRAINED LENGTHS SHOWN ON THESE SHEETS ARE BASED UPON THE FOLLOWING STANDARD CONDITIONS:

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

CULVERTS

11. FOR INSTALLATIONS NOT MEETING THE CONDITIONS OF NOTE 10, THE CONTRACTOR SHALL SUBMIT CALCULATIONS TO THE ENGINEER FOR APPROVAL OF RESTRAINT LENGTH CHOSEN.

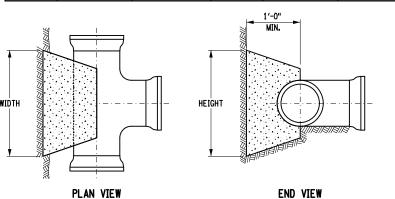




PLAN VIEW

END VIEW

	22½° 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"					

- 12. 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)

CONTRACT NUMBER D040965

DRAWING NO. MSD-5 SHEET NO. 22

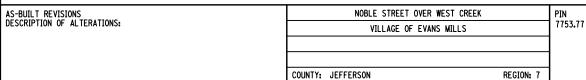
JEFFERSON COUNTY HIGHWAY DEPARTMENT

WATERMAIN

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

MISCELLANEOUS DETAILS





ANCHOR RODS THRUST RESTRAINT MEASUREMENT SEE TABLE "MINIMUM RESTRAINED LENGTH OF PIPE"
TO CHOOSE L_R VALUE VERTICAL BEND GRAVITY BLOCK - ELEVATION MINIMUM GRAVITY BLOCK VOLUMES FOR VERTICAL BENDS (CU.FT.) 4 NPS | 6 NPS | 8 NPS | 10 NPS | 12 NPS | 14 NPS | 16 NPS | 18 NPS | 20 NPS | 24 NPS FITTING 74 92 131 25 46 60 11 1/4° 18 35 22 1/2° 18 32 49 67 92 120 148 184 261

ANG	ANCHOR ROD SCHEDULE FOR GRAVITY BLOCKS									
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"								

64

117

95

134

177 247 332

180

233

431

293

540

360

664

512

35

67

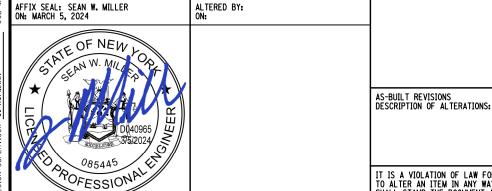
32

NUMBERS IN PARENTHESIS ARE BAR SIZES MARKED IN EIGHTHS OF INCHES

	MINIMUM RESTRAINED LENGTH OF PIPE (L _R)												
	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			
			VERTIC	CAL DOWNW	VARD BEND	S - NPS	(FT.)						
FITTING	4 NPS	6 NPS	8 NPS	10 NPS	12 NPS	14 NPS	16 NPS	18 NPS	20 NPS	24 NPS			
11 1/40	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



TRENCH UNDE SURF		TRENCH UNDER		
SURFACE RESTORATION PER SECTION 206 OR CONTRACT DOCUMENTS BACKFILL WITH SUITABLE MATERIAL TRENCH AND CULVERT EXCAVATION PER SECTION 206 EXCAVATION PROTECTION SYSTEM OR SHEETING, IF REQUIRED, PER SECTION 206		TER	INITIAL PAVEMENT SAWCUT INCLUDED UNDER ITEM 206,0201 — 6" SUBBASE COURSE	5'-0" MINIMUM
PER SECTION 203	PLASTIC (PVI) TRENCI	C) WATER MAIN I DETAIL STRUCTION SECT	6", SAND BEDDING	

NOBLE STREET OVER WEST CREEK

VILLAGE OF EVANS MILLS

- SEE THE SPECIAL NOTES IN CONTRACT PROPOSAL BOOK ENTITLED "OWNER REQUIREMENTS FOR WATER MAINS AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL REQUIREMENTS.
- 2. 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
- 3. 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.
- 4. 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.
- 6. 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.
- 7. 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.
- 8. THRUST BLOCK SIZES AND MINIMUM RESTRAINED LENGTHS SHOWN ON THESE SHEETS ARE BASED UPON THE FOLLOWING ASSUMED CONDITIONS:
 1.5 SAFETY FACTOR
 - 200 PSI WATER SYSTEM TEST PRESSURE 30° SOIL FRICTION ANGLE 90 LBS-FT SOIL UNIT WEIGHT IF SOILS ARE POORER THEN REFER TO REFERENCES
- 9. FOR INSTALLATIONS NOT MEETING THE CONDITIONS OF NOTE 8, THE CONTRACTOR SHALL SUBMIT CALCULATIONS TO THE ENGINEER FOR APPROVAL OF RESTRAINT LENGTH CHOSEN.
- 10. 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"

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

MISCELLANEOUS DETAILS

VOLUME REQUIRED 134 FT3 X (100/200) = 67 FT3

REFERENCES:

BRIDGES

3371810

CUL VERTS

- 1. DUCTILE IRON PIPE RESEARCH ASSOCIATION
 2. EBAA IRON CONNECTIONS TECHNICAL DATA SERIES

M	AXIMUM JOIN	NT DEFLECT	TON		
NPS SIZE	PUSH-ON	MJ JOINTS			
	18' DI	20' DI	18/20 FT.		
3	5°	5° 5° 8°			
4	5°				
6	5° 5° 7		7°		
8	5°	5° 5° 5°			
10	5° 5° 50		5°		
12	5°	5°	5°		
14	3° 3°		3.5°		
16	30 30		3.5°		
18	3°	30 30			
20	3°	3°	3°		
24	3°	3°	20		
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		

	V	IDTHS		
	NPS SIZE	TRENCH WIDTH		
ı	3	3′-0"		
ı	4	3′-0"		
ı	6	3′-0"		
Ī	8	3′-0"		
ı	10	3′-0"		
I	12	3′-0"		
ı	14	3′-6"		
ĺ	16	3′-6"		
ſ	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"		

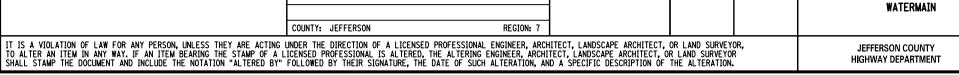
CONTRACT NUMBER

D040965

DRAWING NO. MSD-6 SHEET NO. 23

Stantec

EXCAVATION PAYMENT

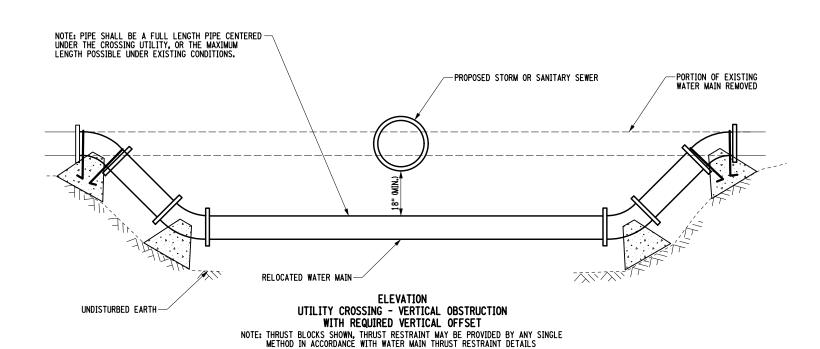


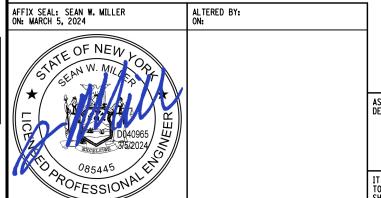
7753.77

FILE NAME : DATE/TIME : USER :

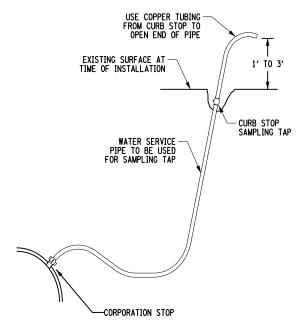
CONCRETE CRADLE TO BE CARRIED PROPOSED STORM — OR SANITARY SEWER PROPOSED STORM — OR SANITARY SEWER 6" MIN. → -JOINT (TYP.) 6" PAST WATER PIPE JOINT WHEN LESS THAN 4" EXISTING — WATER MAIN CLASS "A" CONCRETE 4" MINIMUM 1'-6" MAXIMUM CLASS A CONCRETE CRADLE EXISTING WATER MAIN UNDISTURBED EARTH UNDISTURBED EARTH **ELEVATION** SECTION A-A

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





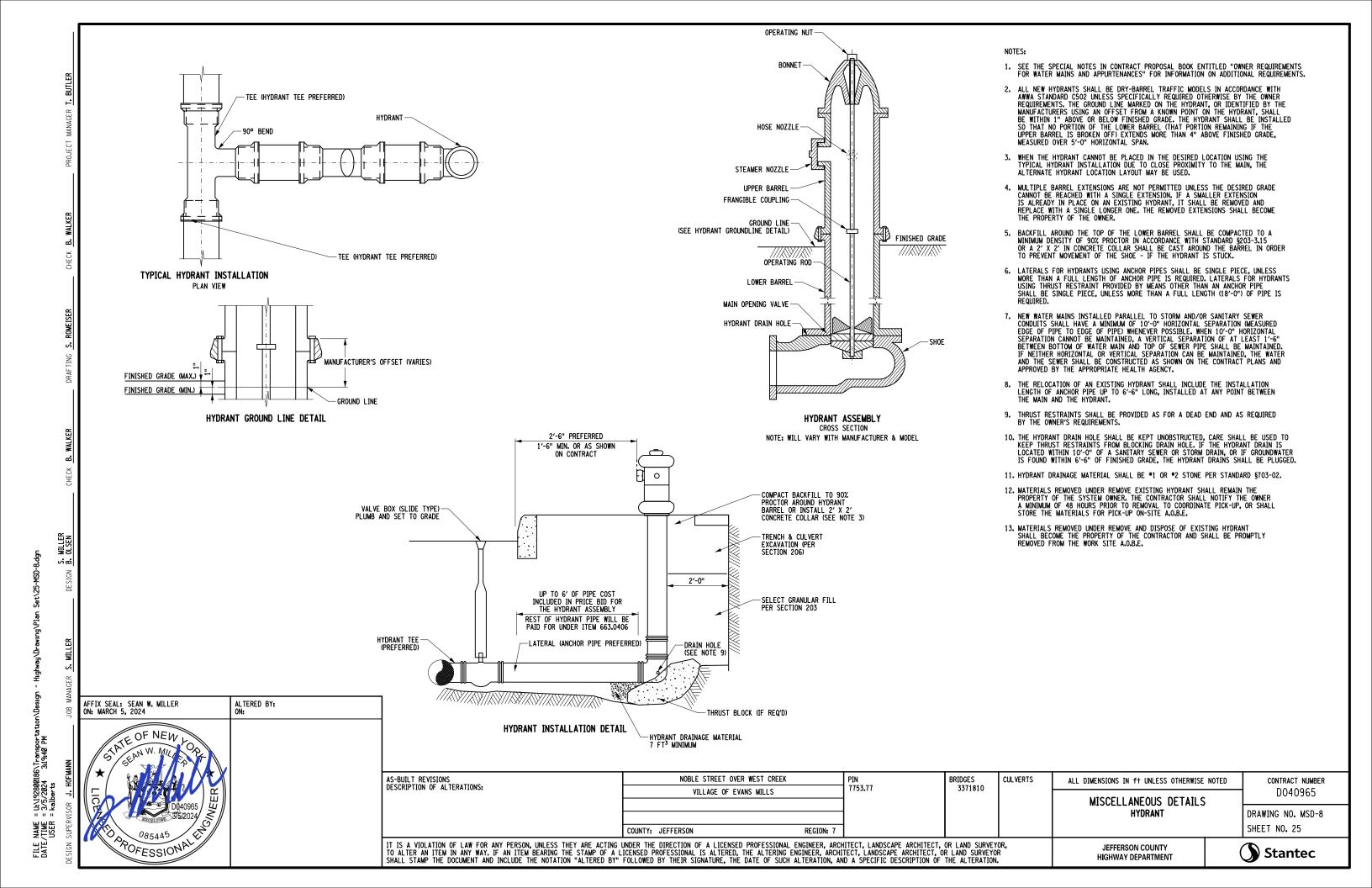
- SEE THE SPECIAL NOTES IN CONTRACT PROPOSAL BOOK ENTITLED "OWNER REQUIREMENTS FOR WATER MAINS AND APPURTENANCES" FOR INFORMATION ON ADDITIONAL REQUIREMENTS.
- 2. WATER MAIN RELOCATION WORK MAY BE REQUIRED WHERE PROPOSED STORM DRAINS CROSS AN EXISTING WATER MAIN. THE CONTRACTOR SHALL ESTABLISH THE DEPTH OF THE WATER MAIN AT ALL CROSSING POINTS. THE ENGINEER WILL THEN VERIFY THE EXTENT OF THE WATER MAIN RELOCATION WORK REQUIRED.
- 3. 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.
- 4. THE OFFSET OF A WATER MAIN TO AVOID AN OBSTRUCTION SHALL BE ACCOMPLISHED USING A MINIMUM NUMBER AND WEIGHT OF FITTINGS.
- 5. 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.



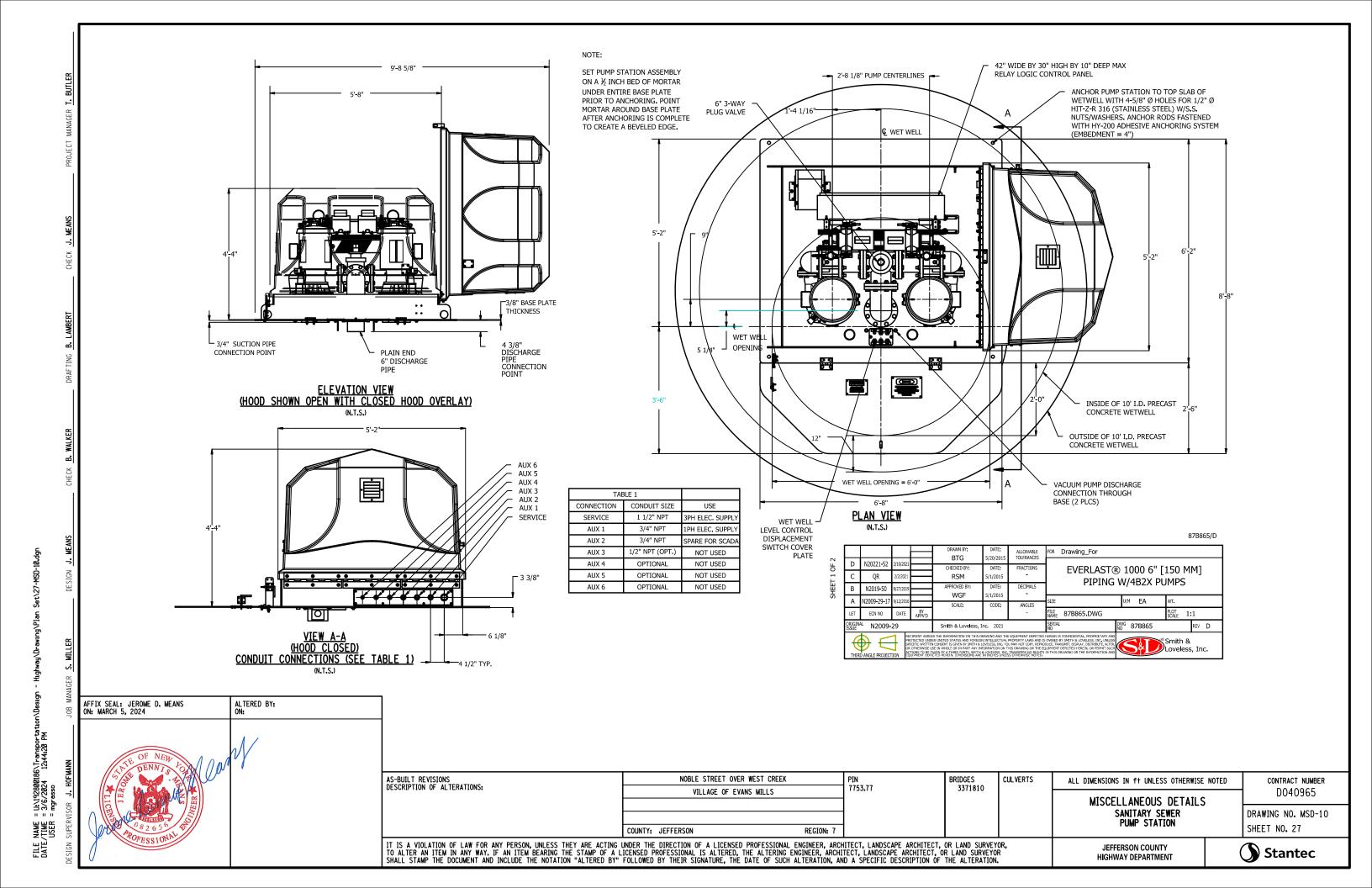
- LOCATION OF SAMPLING TAPS ARE SUBJECT TO PRIOR APPROVAL BY VILLAGE AND NYS DEPARTMENT OF PUBLIC HEALTH.
- IF SAMPLING TAP IS LOCATED IN PAVED AREA, SAMPLING TAP IS TO BE KEPT BELOW GROUND EXCEPT WHEN IN USE.
- IF APPROVED BY VILLAGE, SAMPLING TAP MAY BE LOCATED AT SAME LOCATION AS NEW WATER SERVICE.
- 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.

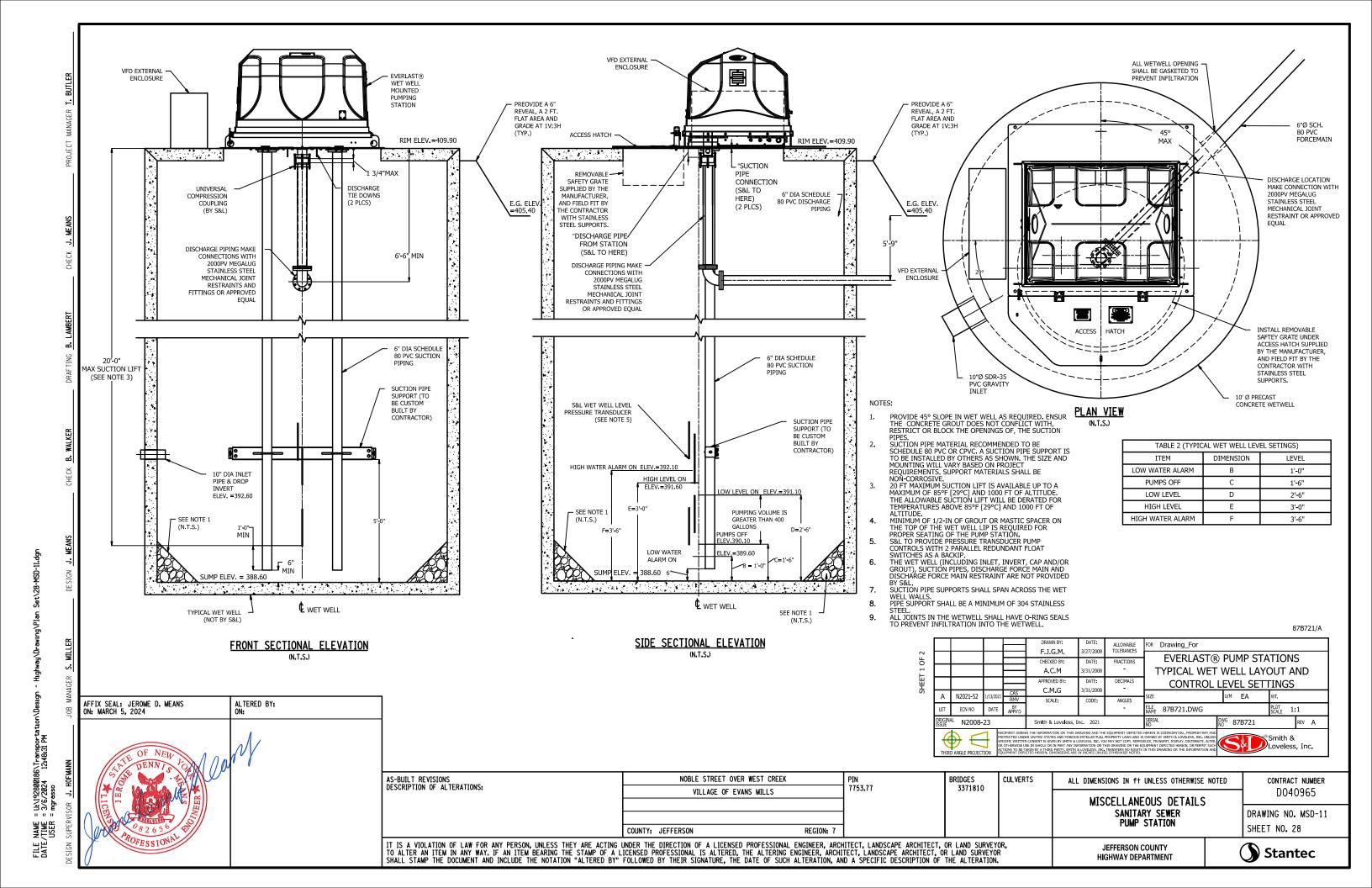
DISINFECTION & SAMPLING TAP

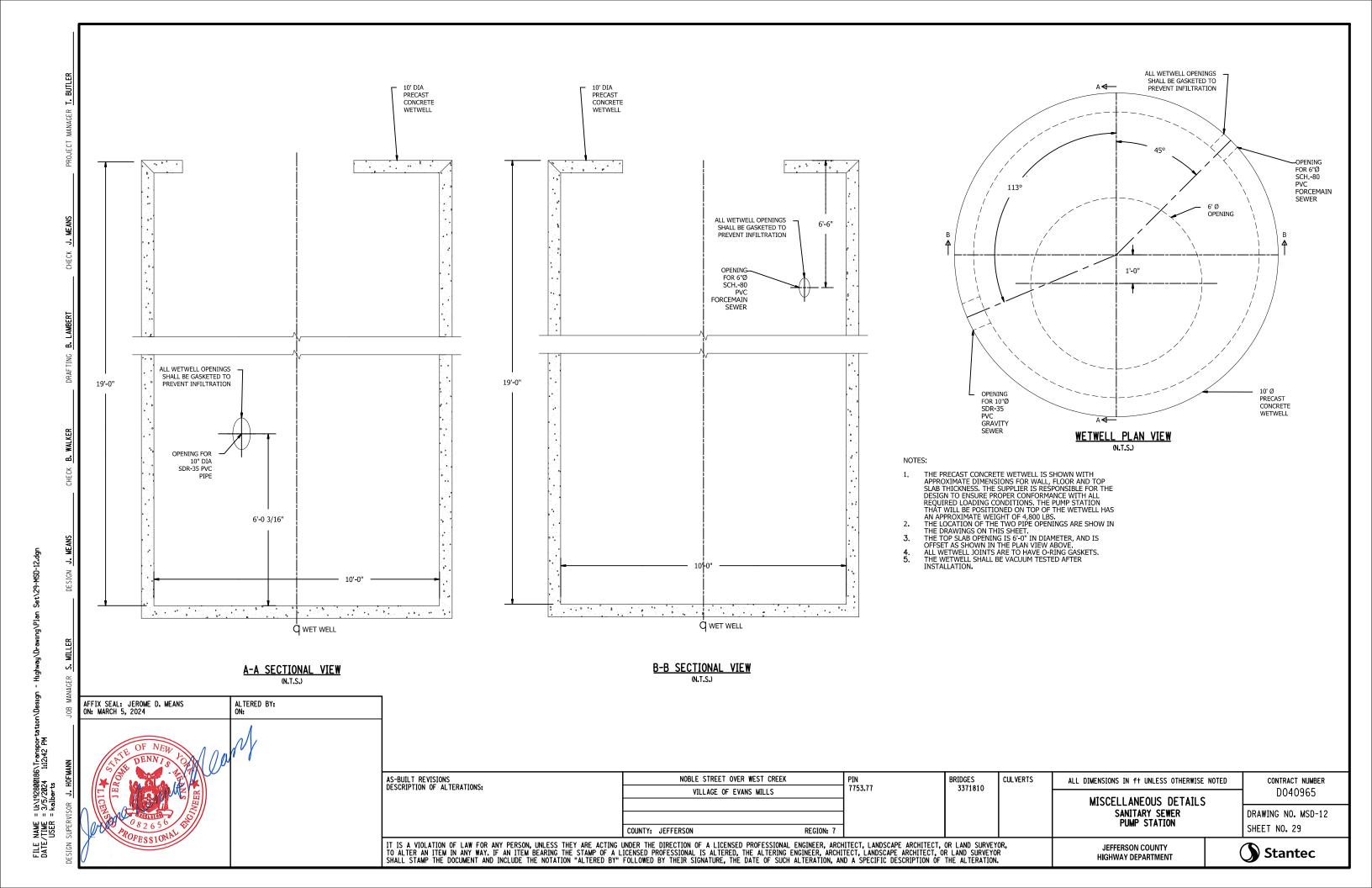
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A L SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY"	ICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARC	HITECT, LANDSCAPE ARCHITECT, (R LAND SURVEYO	R .	JEFFERSON COUNTY HIGHWAY DEPARTMENT	Stantec
	COUNTY: JEFFERSON REGION: 7	_			WATERMAIN	DRAWING NO. MSD-7 SHEET NO. 24
DESCRIPTION OF ALTERATIONS:	VILLAGE OF EVANS MILLS	VILLAGE OF EVANS MILLS 7753.77 3371810 MISCELLANEOUS DETAILS	D040965			
AS-BUILT REVISIONS	NOBLE STREET OVER WEST CREEK	PIN	BRIDGES		ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER



NOTES: PADLOCK · 1. SEE MANUFACTURER'S DRAWING 87B761 FOR ADDITIONAL INSTALLATION INFORMATION. SEE DRAWING NO. MSD-11 FOR TYPICAL WET WELL LAYOUT AND LEVEL CONTROL SETTINGS. VENTILATION U.S. CUSTOMARY CONDUIT COUPLING SIZES SHOWN. LOUVER MATERIALS OF CONSTRUCTION: a. BASE: DUROLAST STAINLESS STEEL. b. PIPING: EPOXY COATED CAST/DUCTILE IRON WITH A53 STEEL DISCHARGE. c. HOOD: FIBERGLASS WITH INSULATION. FIBERGLASS HOOD CONTROL PANEL CONSTRUCTION: (WITH INSULATION) a. MATERIAL: 316 STAINLESS STEEL. b. NEMA RATING: NEMA 4X RATED. VENTILATING BLOWER SCADA: OPTIONAL WIRELESS ALARM AUTO-DIALER 6. MAXIMUM WEIGHT OF STATION 4500 LB. VACUUM PUMP PRESSURE ASSEMBLY GAUGE (2 PLCS) (2 PLCS) STAINLESS STEEL CONTROL PANEL W/ RELAY LOGIC CONTROLS DUAL WATTAGE 1300/1500 WATT, 110V HEATER 6" WAFER CHECK VALVE SOLENOID VALVE (2 PLCS) 6" DISCHARGE PIPING & VALVES TRANSFORMER Drawing_For BTG EVERLAST® 1000 6" [150 MM] CHECKED BY: INCLUDED) PIPING W/4B2X PUMPS LIFTING STANCHION SOCKET (2 PLCS) DWG 87B865 Smlth & Loveless, Inc. 4B2X*1 PUMPS W/ 7.5 HP MOTORS @ 1,170 RPM 3/PH/208 ALUMINUM TREAD PLATE WET WELL COVER WITH PADLOCK LOOP WET WELL (REF.) ISO VIEW AFFIX SEAL: JEROME D. MEANS ON: MARCH 5, 2024 ALTERED BY: ON: (HOOD SHOWN OPEN) (N.T.S.) AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS: NOBLE STREET OVER WEST CREEK PIN 7753.77 CULVERTS BRIDGES ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED CONTRACT NUMBER 3371810 VILLAGE OF EVANS MILLS D040965 MISCELLANEOUS DETAILS SANITARY SEWER PUMP STATION DRAWING NO. MSD-9 FILE NAME DATE/TIME USER SHEET NO. 26 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. JEFFERSON COUNTY HIGHWAY DEPARTMENT **Stantec**







NEW YORK STATE CODES & STANDARDS

- 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

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

LOCAL CODES

• 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.

2017 NFPA 70 — NATIONAL ELECTRICAL CODE

ELECTRICAL GENERAL NOTES

- 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.
- 5. 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:
 - 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

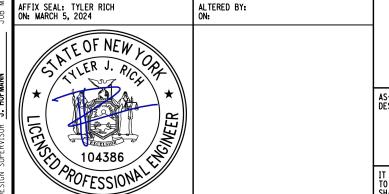
 - PRE—PURCHASE ITEMS.

 INSTALLATION OF NEW RACEWAY AND CONDUCTORS.

 TEMPORARY LIGHT AND POWER DURING CONSTRUCTION.

 GROUNDING OF ALL EQUIPMENT AS REQUIRED BY CODE AND
- 6. 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.

- 8. 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.
- 9. 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.
- 10. 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
- 11. PULL BOXES, JUNCTION BOXES, AND OUTLET BOXES SHALL BE MANUFACTURED FROM GALVANIZED INDUSTRY STANDARD SHALL STEEL.
- 12. 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
- 13. PULL BOXES AND JUNCTION BOXES SHALL BE SIZED SO THAT THE MINIMUM BENDING RADIUS CRITERIA SPECIFIED FOR THE WIRES AND
- 14. 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.
- 15. 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.



AS-BUILT REVISIONS NOBLE STREET OVER WEST CREEK DESCRIPTION OF ALTERATIONS: 7753.77 VILLAGE OF EVANS MILLS COUNTY: JEFFERSON REGION: 7

BRIDGES **CUL VERTS** 3371810 MISCELLANEOUS DETAILS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

ELECTRICAL COVER SHEET

CONTRACT NUMBER D040965

DRAWING NO. MSD-13 SHEET NO. 30



DATE/TIME = 3/6/2024 3:01:26 PM USER = kalberts
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PANEL DESIGNATION : MP-1 208Y/120 V NEUTRAL QUANTITY OF POLES 12 SCC RATING (SYM) 42 K.A.I.C MAIN CIRCUIT BREAKER 100 A WIRE 4 W + G MAIN BUS 100 A SURFACE MOUNTED NEMA 3R ENCLOSURE X GROUND BUS Х FEED THROUGH LUGS ØB ØC CKT TRIP TRIF LOAD DESCRIPTION LOAD DESCRIPTION (VA) (VA) (VA) 7012 GENERATOR BATTERY CHARGER 20A 2 PUMP STATION 3 80A 7312 GENERATOR BLOCK HEATER 20A (SEE RISER DIAGRAM) 5 CONV. REC. 20A 600 20A PUMP STATION CONTROLS SPARE 20A 9 20A SPARE SPARE 20A 10 20A 12 11 20A SPARE SPARE TOTAL CONNECTED LOAD PER PHASE (kVA) 7.61 7.31 5.99 TOTAL CONNECTED LOAD 58.1 A 58.1 A TOTAL DEMAND LOAD 20.92 KVA

POWER RISER NOTES:

NOBLE STREET OVER WEST CREEK

VILLAGE OF EVANS MILLS

COUNTY: JEFFERSON

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.

- ELECTRICAL CONTRACTOR SHALL ENGAGE THE LOCAL UTILITY CO. NATIONAL GRID DURING CONSTRUCTION TO COORDINATE THE REQUIREMENTS FOR
- THE ENTIRE ELECTRICAL INSTALLATION SHALL COMPLY WITH NATIONAL GRID'S SPECIFICATIONS FOR ELECTRICAL SERVICE, THE NATIONAL ELECTRICAL CODE,
- 3. ELECTRICAL CONTRACTOR SHALL SUBMIT METERING EQUIPMENT SHOP DRAWING SUBMITTALS TO THE LOCAL UTILITY CO. NATIONAL GRID FOR REVIEW AND APPROVAL.
- 4. ALL CONDUCTORS SHALL BE COPPER INSULATION TYPE XHHW-2 AND ALL CONDUIT SHALL BE RIGID GALVANIZED STEEL (RGS) WHERE EXPOSTED AND PVC SCH. 80 BELOW GRADE.
- 5. 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.
- 6. ELECTRICAL EQUIPMENT, ENCLOSURES, COVERS, AND DEVICES SHALL BE SUITABLE FOR USE IN WET LOCATIONS.
- 7. 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
- 8. ALL RGS CONNECTIONS SHALL HAVE GROUND BUSHINGS WITH BONDING JUMPER CONNECTED TO EQUIPMENT ENCLOSURES SIZED/AFFIXED PER NEC

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.
- (2) 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
- 5) 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
- 7 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.
- 8 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:

- (4)#2 IN 1-1/2°C
- B (4)#2 + (1)#6GND IN 1-1/2°C
- (6)#14 CONTROL WIRE IN 1"C
- (3)#12 + (1)#12GND IN 1"C FOR GENERATOR BATTERY CHARGER AND BLOCK HEATER.
- $\langle E \rangle$ (3)#3 (MOTOR) + (2)#10 (CONTROL) + (1)#8GND IN 1-1/2°C
- $\langle F \rangle$ (1) 1-1/2°C WITH (3) DRAG LINES FOR FUTURE TELECOM.
- $\langle G \rangle$ (2)#12 + (1)#12 IN 3/4°C

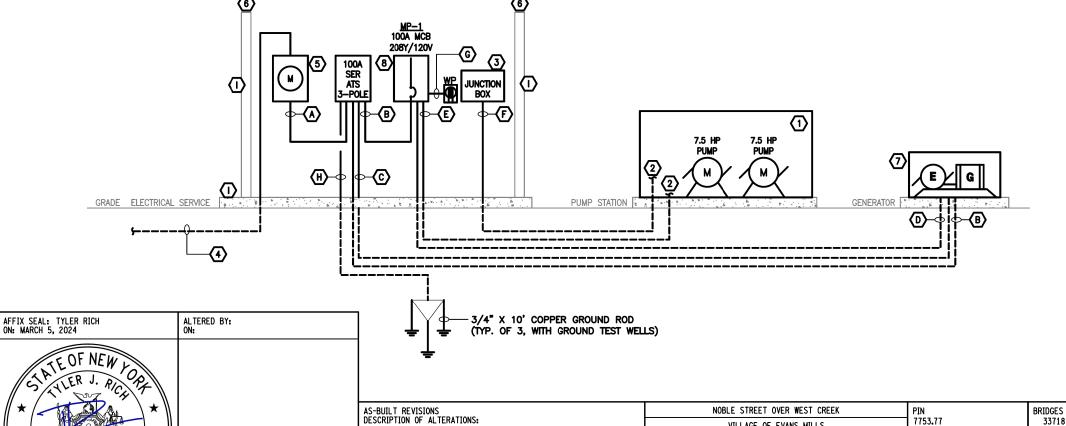
BRIDGES

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REGION:

- (H) (1)#8 GROUNDING ELECTRODE CONDUCTOR IN 1"C
- (1)#8 BONDING JUMPER IN 1"C, TO REBAR IN CONCRETE PAD AND METAL SUPPORT STRUCTURES, WHERE REQUIRED PER NEC ARTICLE 250.



CULVERTS ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED MISCELLANEOUS DETAILS **ELECTRICAL RISER DIAGRAM**

D040965 DRAWING NO. MSD-14

CONTRACT NUMBER

SHEET NO. 31

JEFFERSON COUNTY HIGHWAY DEPARTMENT

Stantec

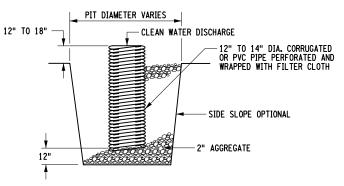
POFESSIONAL

NAME /TIME USER

FILE DATE/ ALTERED BY:

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- 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.
- 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.
- 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.
- ALL METHODS AND EQUIPMENT PROPOSED BY THE CONTRACTOR TO ACCOMPLISH THE WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER IN CHARGE.
- 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 NYSDOT 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.
- 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.
- ALL STORM DRAINAGE OUTLETS SHALL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- 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.
- 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.
- 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.
- 3. 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 NYSDOT STANDARD SHEET, DETAIL WITHIN THE CONTRACT DOCUMENTS, AND MANUFACTURER INSTALLTATION 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



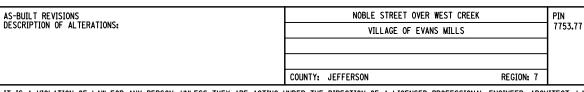
WATER DISCHARGE CONTROL

DETAIL NOTES:

- 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.

BRIDGES

3371810



CULVERTS ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

EROSION & SEDIMENT CONTROL PLAN NOTES AND DETAIL

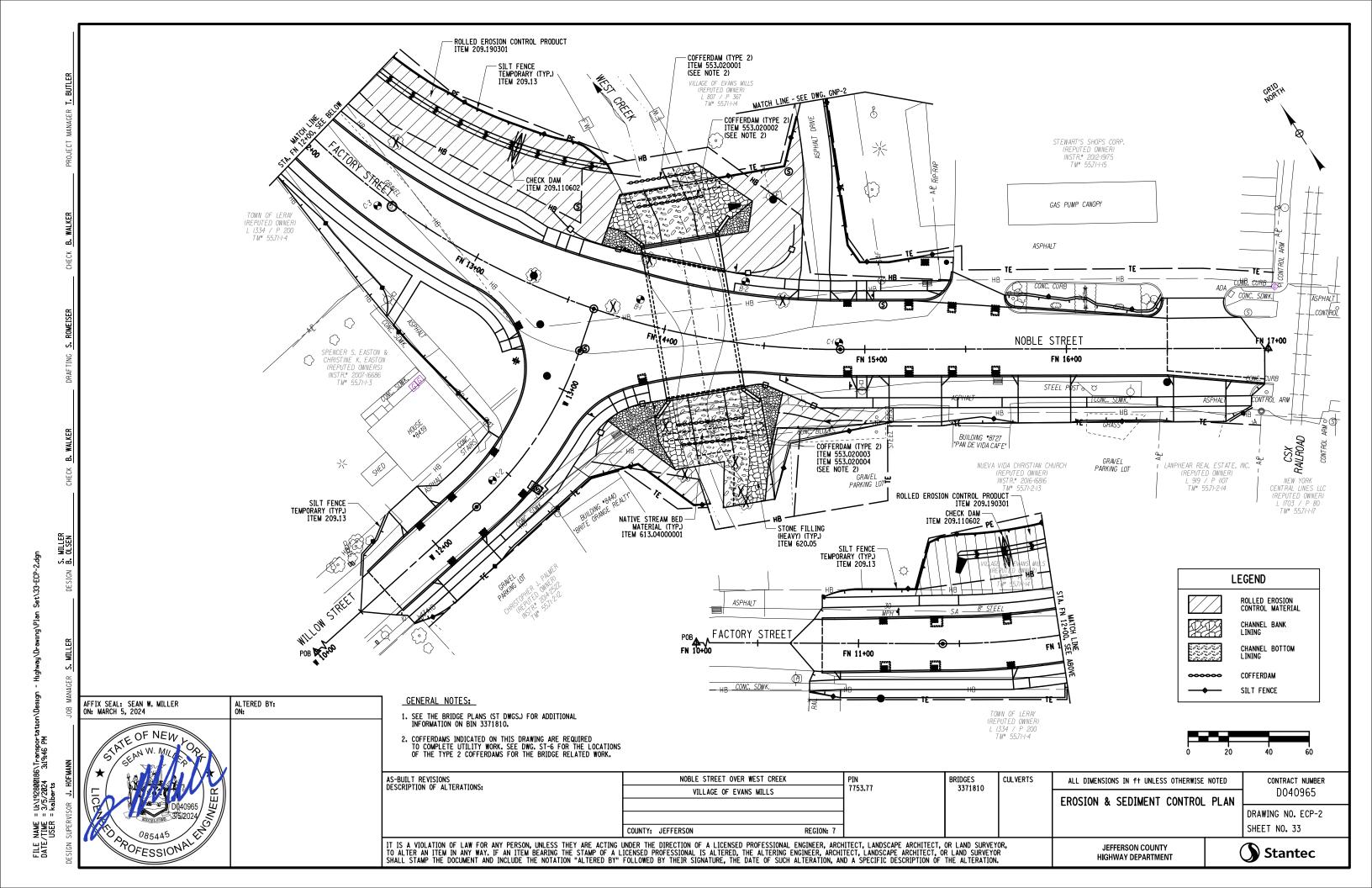
JEFFERSON COUNTY

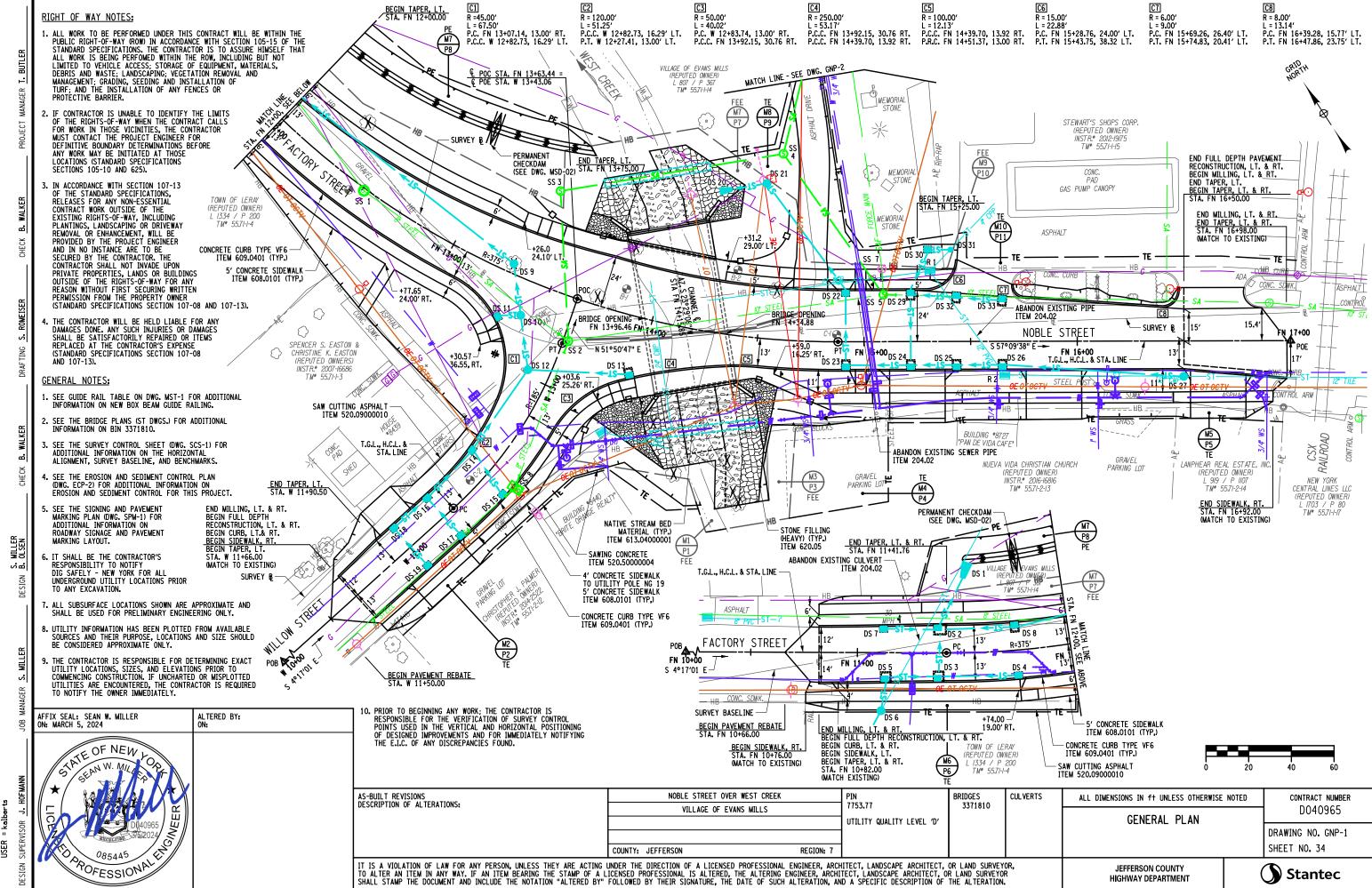
HIGHWAY DEPARTMENT

CONTRACT NUMBER
D040965

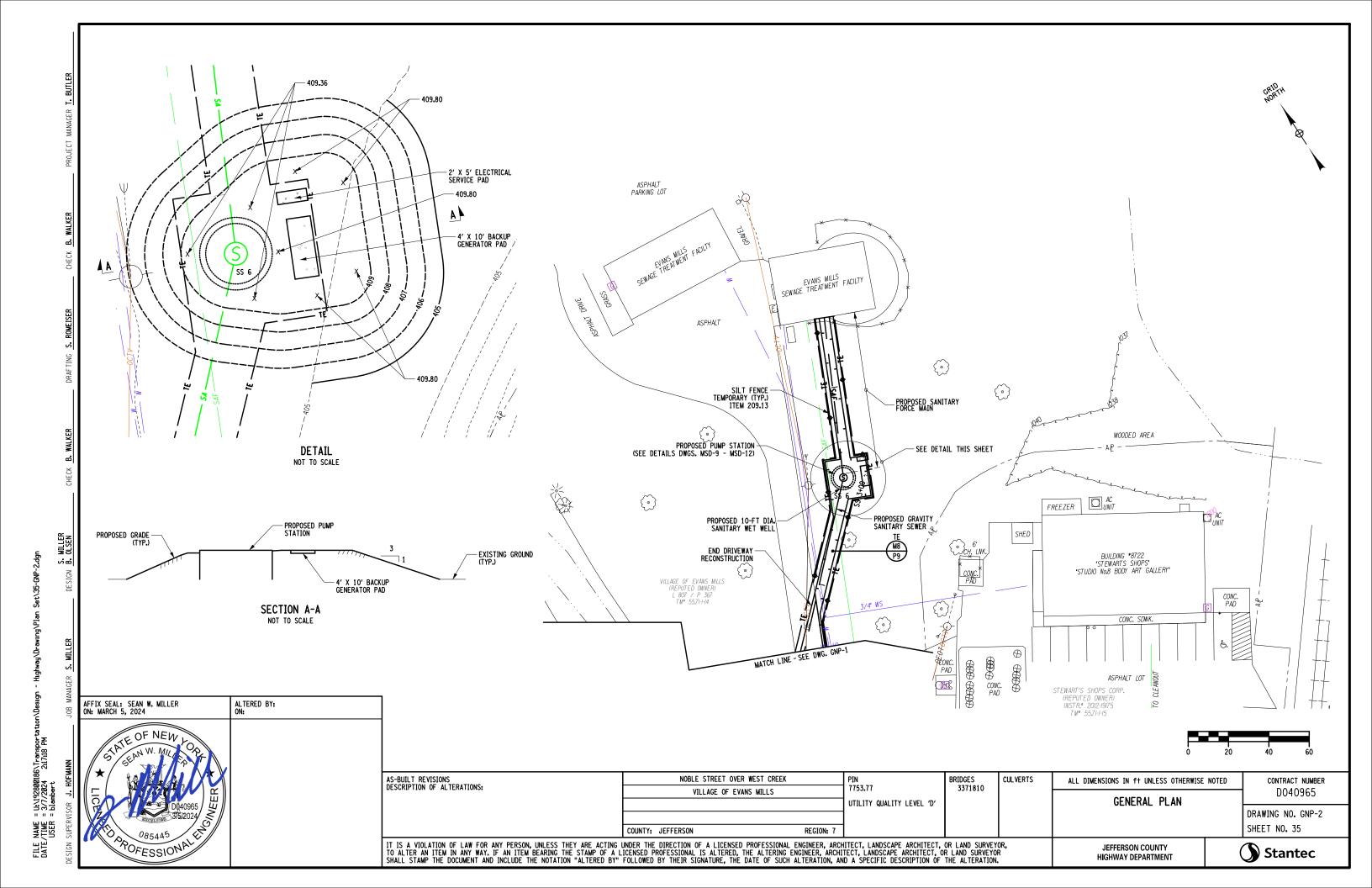
DRAWING NO. ECP-1 SHEET NO. 32

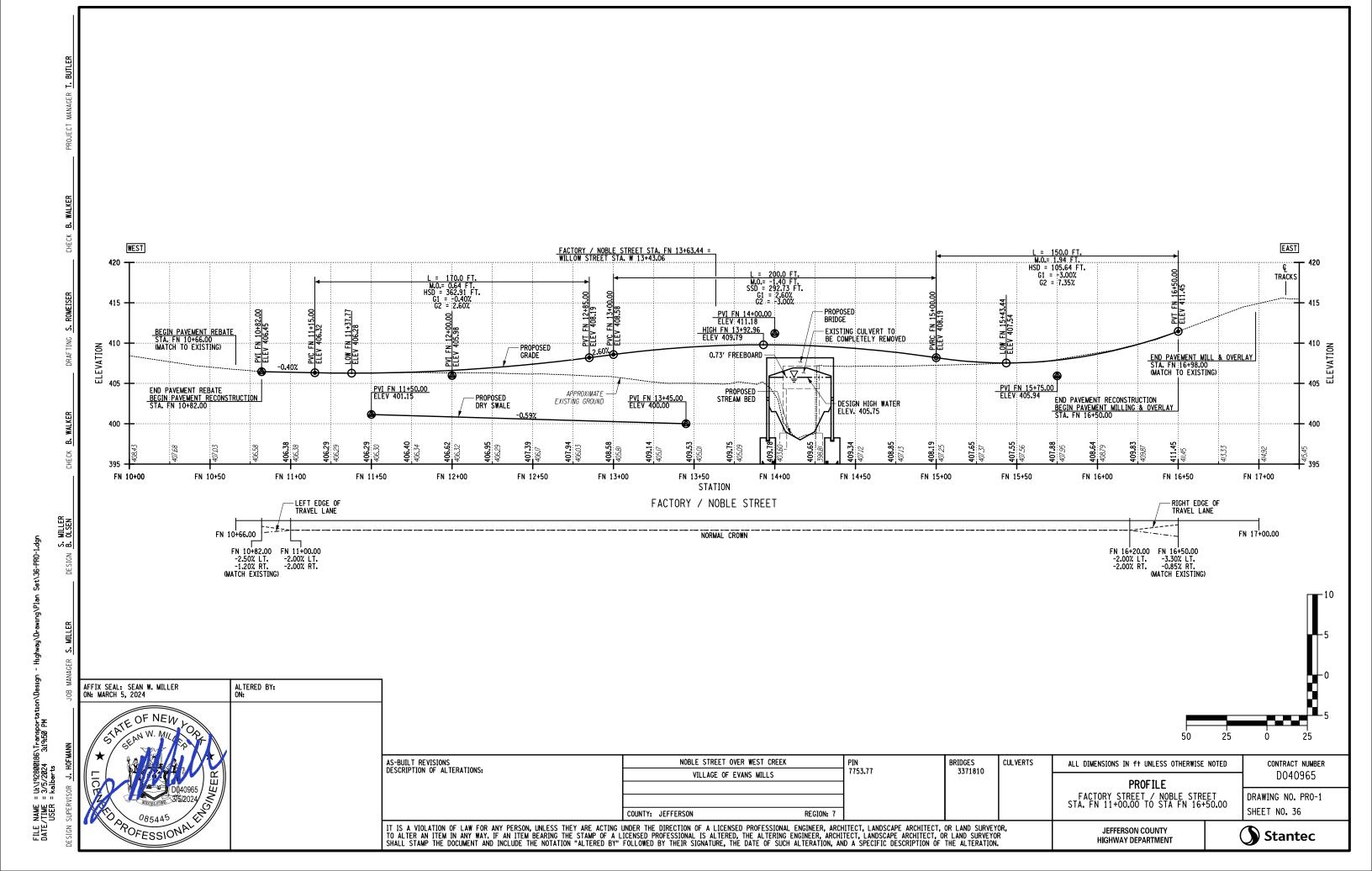






FILE NAME : DATE/TIME : USER :







WILLOW STREET STA. W 13+43.06 = FACTORY / NOBLE STREET STA. FN 13+63.44 L = 150.0 FT. M.O.= 0.54 FT. HSD = 363.52 FT. G1 = -0.90% G2 = 2.00% WEST EAST PVI W 13+43.06 ELEV 409.67 415 LOW W 12+21.48 ELEV 408.27 PVI W 12+50.00 ELEV 407.81 - PROPOSED FACTORY STREET NOBLE: STREET – PROPOSED Grade 410 410 BEGIN PAVEMENT REBATE STA. W 11+50.00 (MATCH EXISTING) ELEVATION ELEVATION — APPROXIMATE EXISTING GROUND 405 END PAVEMENT REBATE
BEGIN PAVEMENT RECONSTRUCTION
STA. W 11+66.00 400 400 395 W 11+00 W 11+50 W 12+00 W 12+50 W 13+00 W 13+50 W 14+00 STATION WILLOW STREET RIGHT EDGE TRAVEL LANE LEFT EDGE TRAVEL LANE W 11+50.00 NORMAL CROWN W 11+66.00 W 11+80.00 -1.45% LT. -2.00% LT. -2.35% RT. -2.00% RT. (MATCH EXISTING) W 13+43.06 -2.00% LT. -2.00% RT. AFFIX SEAL: SEAN W. MILLER ON: MARCH 5, 2024 ALTERED BY: ON: AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS: PIN 7753.77 NOBLE STREET OVER WEST CREEK BRIDGES CULVERTS ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED CONTRACT NUMBER 3371810 VILLAGE OF EVANS MILLS D040965 PROFILE
WILLOW STREET
STA. W 11+66.00 TO STA W 13+43.06 DRAWING NO. PRO-2 SHEET NO. 37 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. JEFFERSON COUNTY HIGHWAY DEPARTMENT **Stantec**

SIGNING SUMM. (PANELS AND	
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:

- 1. 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.
- 2. THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED. 3. THE AREA AND PAYMENT AREA FOR SIGNS ARE FROM THE APPLICABLE STANDARD
- SHEETS OR SIGN FACE LAYOUTS. 4. 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.
- 5. 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 (MUTCO). THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE TEST RESULTS. THE ENGINEER WILLD ETERMINE 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	LOCATION	TEVT	ITCH	SIZE	PAYMENT AREA (SEE NOTE 3)							
& COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	AREA (SEE NOTE 3)	TOTAL PAYMENT AREA							
R2-1	1-1	SPEED LIMIT	645.5102	24"x30"	5.0 SF							
NZ I	1	30	043,3102	5.0 SF	5.0 SF							
W1-7	1-2		645.5102	48"×24"	8.0 SF							
"• '	1		0.000	8.0 SF	8.0 SF							
W10-1	1-3	R	645.5102	30"	4. 9 SF							
	1		0 1010 102	4.9 SF	4. 9 SF							
R1-1	1-4	STOP	645.5102	36"x36"	9.0 SF							
	1	(3101)		9.0 SF	9.0 SF							
W11-2L (RLACK LEGEND ON	1-5, 1-6		645.5102	30"x30"	6.3 SF							
(BLACK LEGEND ON YELLOW/GREEN BACKGROUND)	2	\ \'\		6.3 SF	12.6 SF							
W11-2R (BLACK LEGEND ON	1-5, 1-6		645.5102	30"x30"	6.3 SF							
YELLOW/GREEN BACKGROUND)	2	\	0 1010 1012	6.3 SF	12.6 SF							
W16-7PL (BLACK LEGEND ON	1-5, 1-6		645.5102	24"×12"	2.0 SF							
YELLOW/GREEN BACKGROUND)	2		0 1010 1 0 2	2.0 SF	4.0 SF							
W16-7PR (BLACK LEGEND ON	1-5, 1-6		645.5102	24"×12"	2.0 SF							
YELLOW/GREEN BACKGROUND)	2	1	01010102	2.0 SF	4. 0 SF							

	PROPOSED SIGNS											
DESIGNATION	LOCATION	TEXT	ITEM	SIZE	PAYMENT AREA (SEE NOTE 3)							
& COLOR (SEE NOTE 2)	LOGATION	IEAI	112m	AREA (SEE NOTE 3)	TOTAL PAYMENT AREA							
I-3	1-7, 1-8	West	645.5102	24"×18"	3.0 SF							
	2	Creek	0.000.00	3.0 SF	6.0 SF							
D3-1	1-9	Willow st	645.5102	42"×12"	3.5 SF							
55 1	2	WIIIOVV St	01313102	3.5 SF	7 . 0 SF							
D3-1	1-9	Noble st →	645.5102	54"×12"	4. 5 SF							
55 1	1	Noble St -	01313102	4.5 SF	4.5 SF							
D3-1	1-9	← Noble st	645.5102	54"×12"	4. 5 SF							
03-1	1-5	4 Mobile 2	043.3102	4.5 SF	4. 5 SF							
D3-1	1-9	Factory or -	645.5102	60"×12"	5.0 SF							
03-1	1-9	Factory st ->	545.5102	5.0 SF	5.0 SF							
D7 1	1.0	4 Factory	C4E E100	60"×12"	5.0 SF							
D3-1	1-9	← Factory st	645.5102	5.0 SF	5.0 SF							

SIGN REMOVAL TABLE									
ITEM NO.		DESCRIPTION	PAY UNIT						
647.61		AND DISPOSE SIGNS, GROUND MOUNTED TYPE A SIGN TS AND FOUNDATIONS - SIZE I (UNDER 30 SQUARE FEET)	EA						
STATION	SIDE	DESCRIPTION							
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						

HIGHWAY DEPARTMENT

CONTRACT NUMBER

D040965

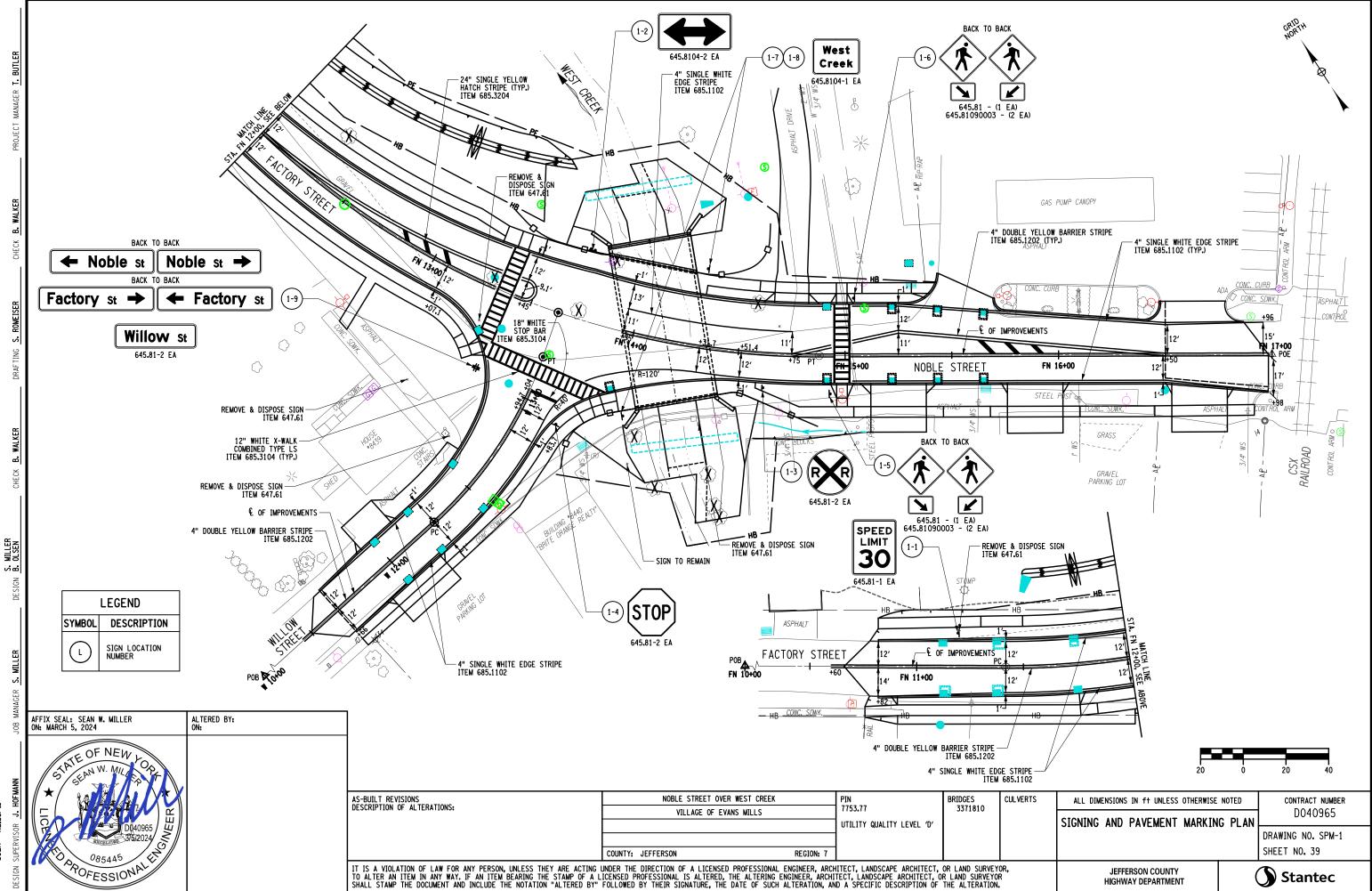
DRAWING NO. SDS-1 SHEET NO. 38

Stantec

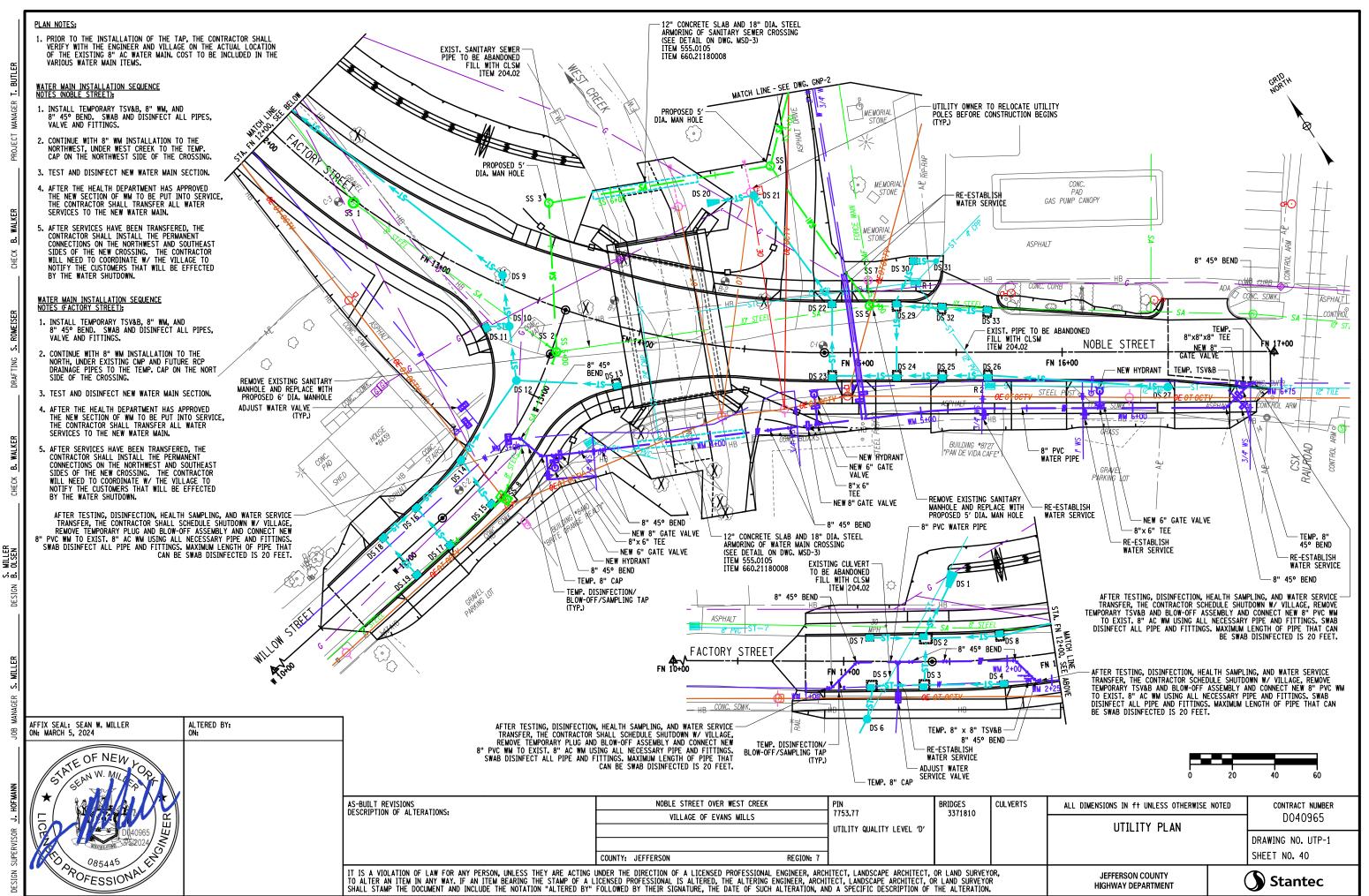
100	THE THAT TO SIGHT TREMOT	
000	AFFIX SEAL: SEAN W. MILLER ON: MARCH 5, 2024	ALTERED BY: ON:
	TIE OF NEW LOAD TO THE OF NEW LO	

					210 01			SUPPOR'	TS AND FOUNDATIONS - SIZE I (UNDER 30 SQUARE FEET)	
ON N	1-5, 1-6		645,5102				STATION	SIDE	DESCRIPTION	647.61
				2.0 SF	4.0 SF		FN 11+20	LT	SPEED LIMIT 30 SIGN	1
	2						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

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



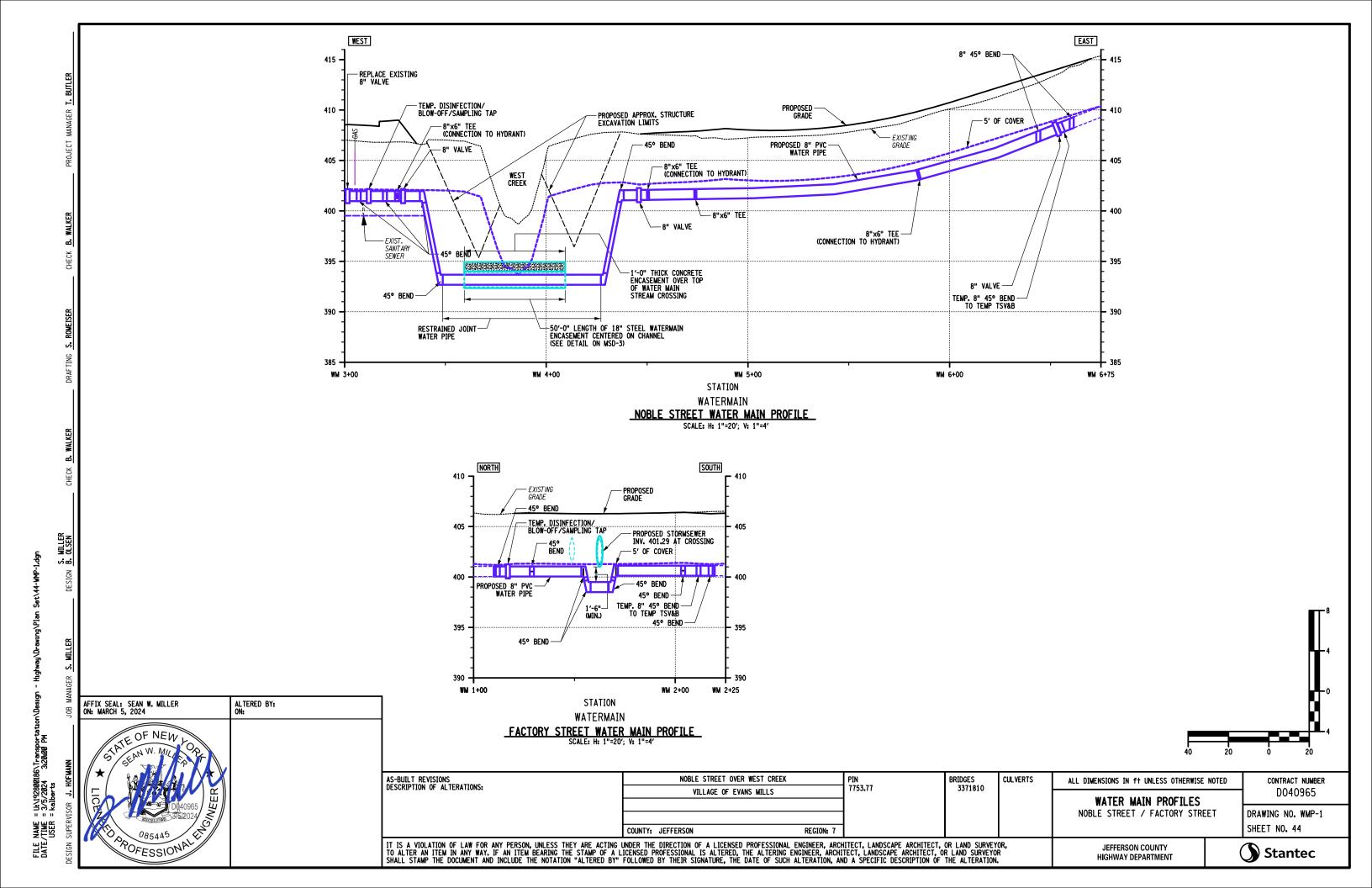
FILE NAME = U:\19280018 DATE/TIME = 3/5/2024 USER = kalberts

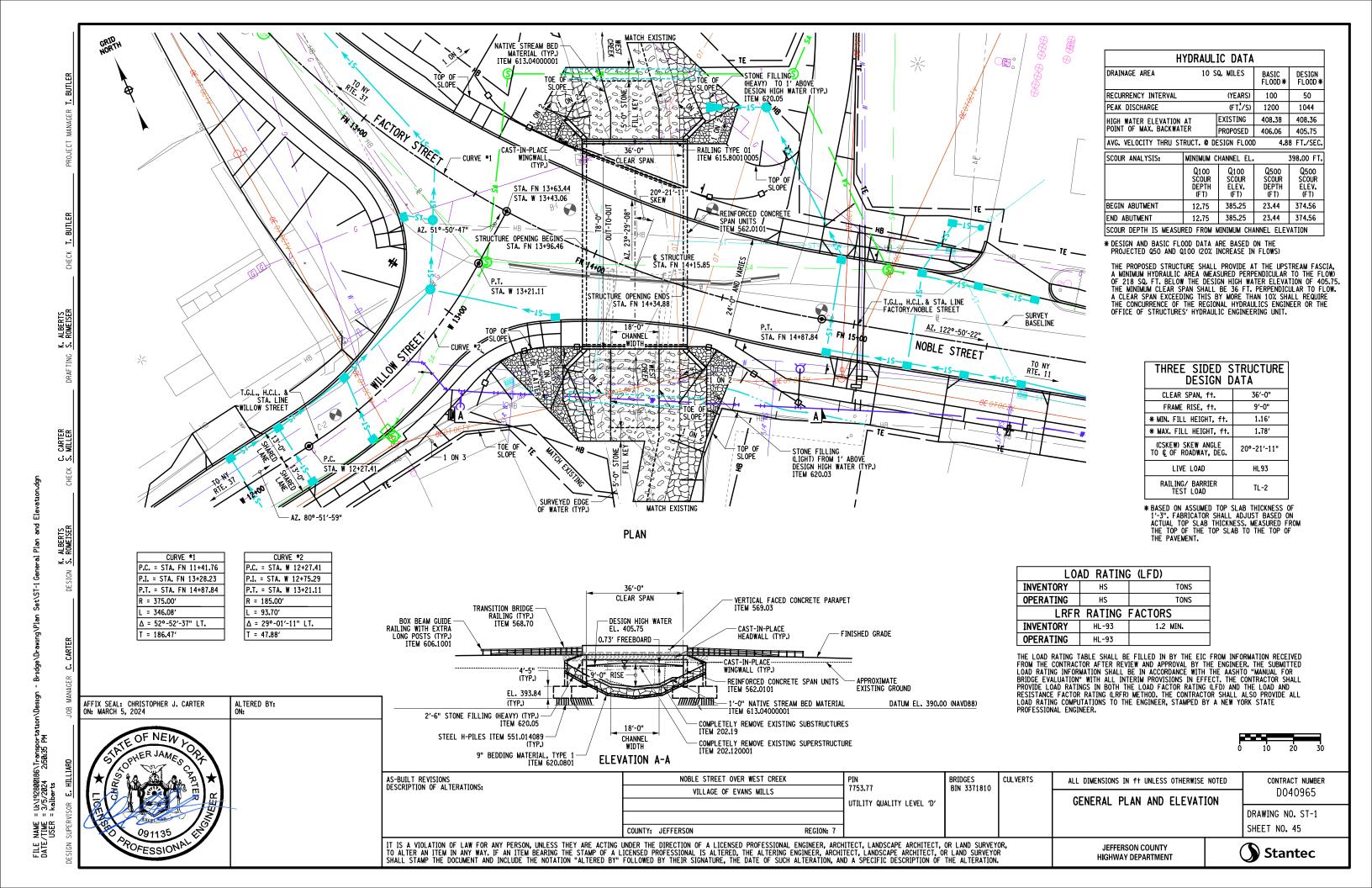


FILE NAME : DATE/TIME : USER :

-0+50 0+50 1+50 2+50 3+50 NOBLE STREET EAST NORTH SOUTH SOUTH EXISTING GRADE FINAL GRADE HYDRAULIC GRADE 오메 ENERGY GRADE 1+26 -0+50 NOBLE STREET -0+50 0+50 NOBLE STREET 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 FILE NAME = U:\1928Ø018 DATE/TIME = 3/5/2024 USER = kalberts CULVERTS ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED CONTRACT NUMBER VILLAGE OF EVANS MILLS D040965 DRAINAGE PROFILE
FACTORY STREET / NOBLE STREET
SOUTH SYSTEM DRAWING NO. DRP-2 SHEET NO. 42 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. JEFFERSON COUNTY HIGHWAY DEPARTMENT **Stantec**

WEST





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: fc = 3000 nsi.)

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 RRIDGES

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 SATIFACTORY 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 ASTIN D4945, STANDARD TEST METHOD FOR HIGH-STRAIN DYNAMIC TESTING OF PILES. THE WORK IS TO BE PERFORMED BY A DYNAMIC TESTING CONSUL TANT 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:

- A. DOCUMENTED EXPERIENCE IN PERSONALLY CONDUCTING DYNAMIC LOAD TESTS ON AT LEAST 25 PROJECTS.
- B. 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 EQUAU 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

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 SUIT ABLE 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

REGION:

INDEX OF DRAWINGS

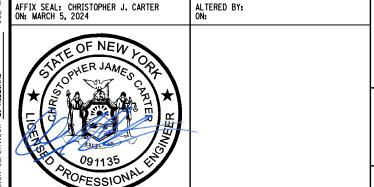
ST-2 GENERAL NOTES
ST-3 CONSTRUCTION STAGING (1 OF 3)
ST-4 CONSTRUCTION STAGING (2 OF 3)
ST-5 CONSTRUCTION STAGING (3 OF 3)
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ST-7 DEMOLITION, EXCAVATION AND EMBANKMENT SECTIONS (1 OF 2)
ST-8 DEMOLITION, EXCAVATION AND EMBANKMENT SECTIONS (2 OF 2)
ST-9 STRUCTURE PLAN
ST-10 STRUCTURE SECTIONS
ST-11 FOUNDATION PLAN - BEGIN
ST-12 FOUNDATION PLAN - BEGIN
ST-13 BEGIN FOOTING AND WINGWALL REINFORCEMENT PLAN
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ST-15 WINGWALL REINFORCEMENT ELEVATIONS
ST-16 STRUCTURE DETAILS
ST-17 STRUCTURE DETAILS
ST-18 VERTICAL FACED CONCRETE BARRIER
ST-19 HEADWALL PLAN AND SECTIONS
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ST-25 BAR BENDING DIAGRAMS AND 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.



COUNTY: JEFFERSON

BRIDGES BIN 3371810 CULVERTS

CULVERTS ALL DIME

ALL DIMENSIONS IN ++ UNLESS OTHERWISE NOTED

GENERAL NOTES

JEFFERSON COUNTY

HIGHWAY DEPARTMENT

CONTRACT NUMBER
D040965

DRAWING NO. ST-2 SHEET NO. 46

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.

1'-0" MIN.

SHOULDER

1'-0"

SHLDR

2'-6"± SIDEWALK

2'-6"± SIDEWALK

EXISTING CONCRETE BLOCK WINGWALL (BEGIN)
EXISTING RUBBLE WINGWALL (END)

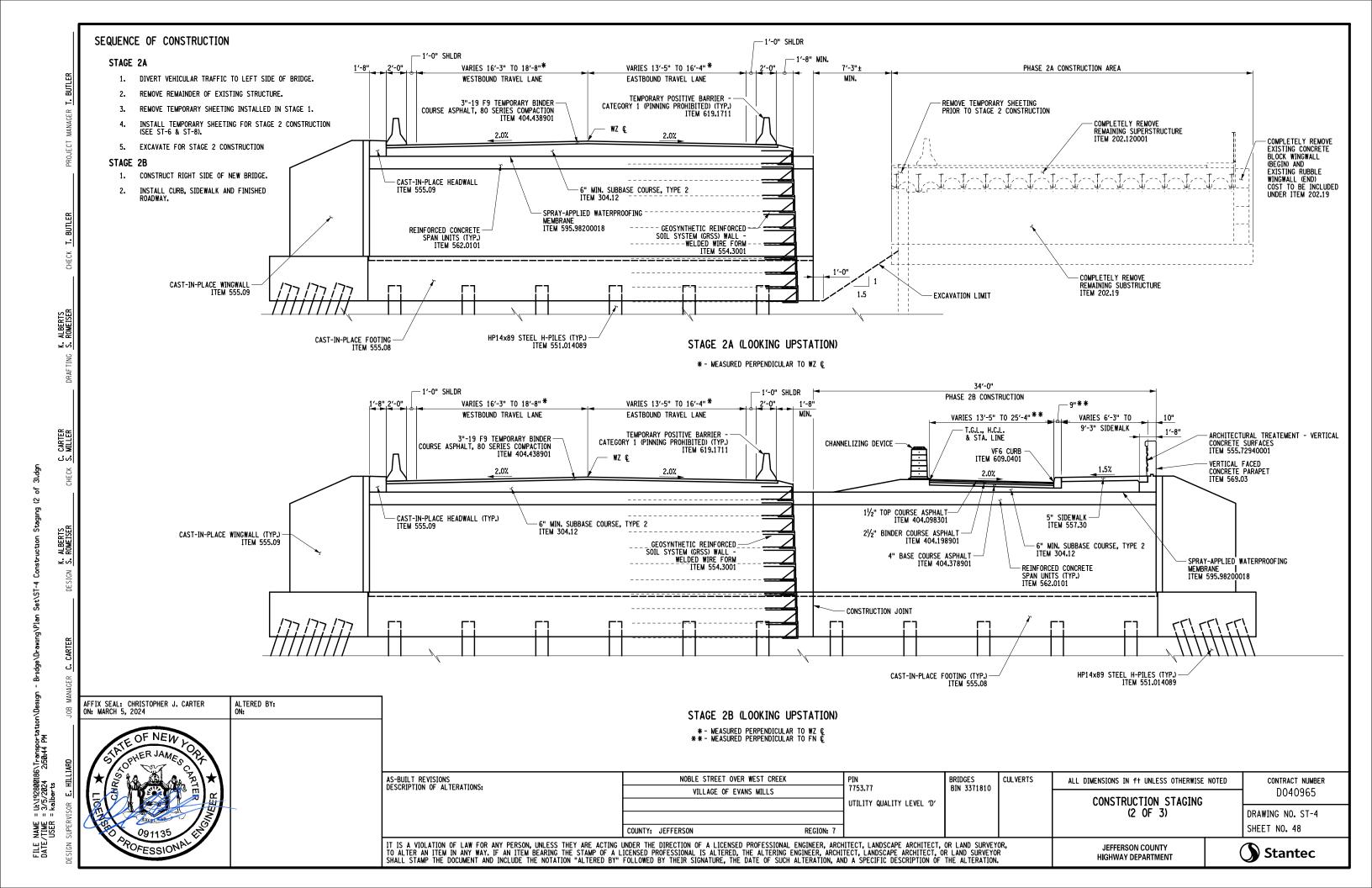
EXISTING CONCRETE BLOCK WINGWALL (BEGIN) EXISTING RUBBLE WINGWALL (END)

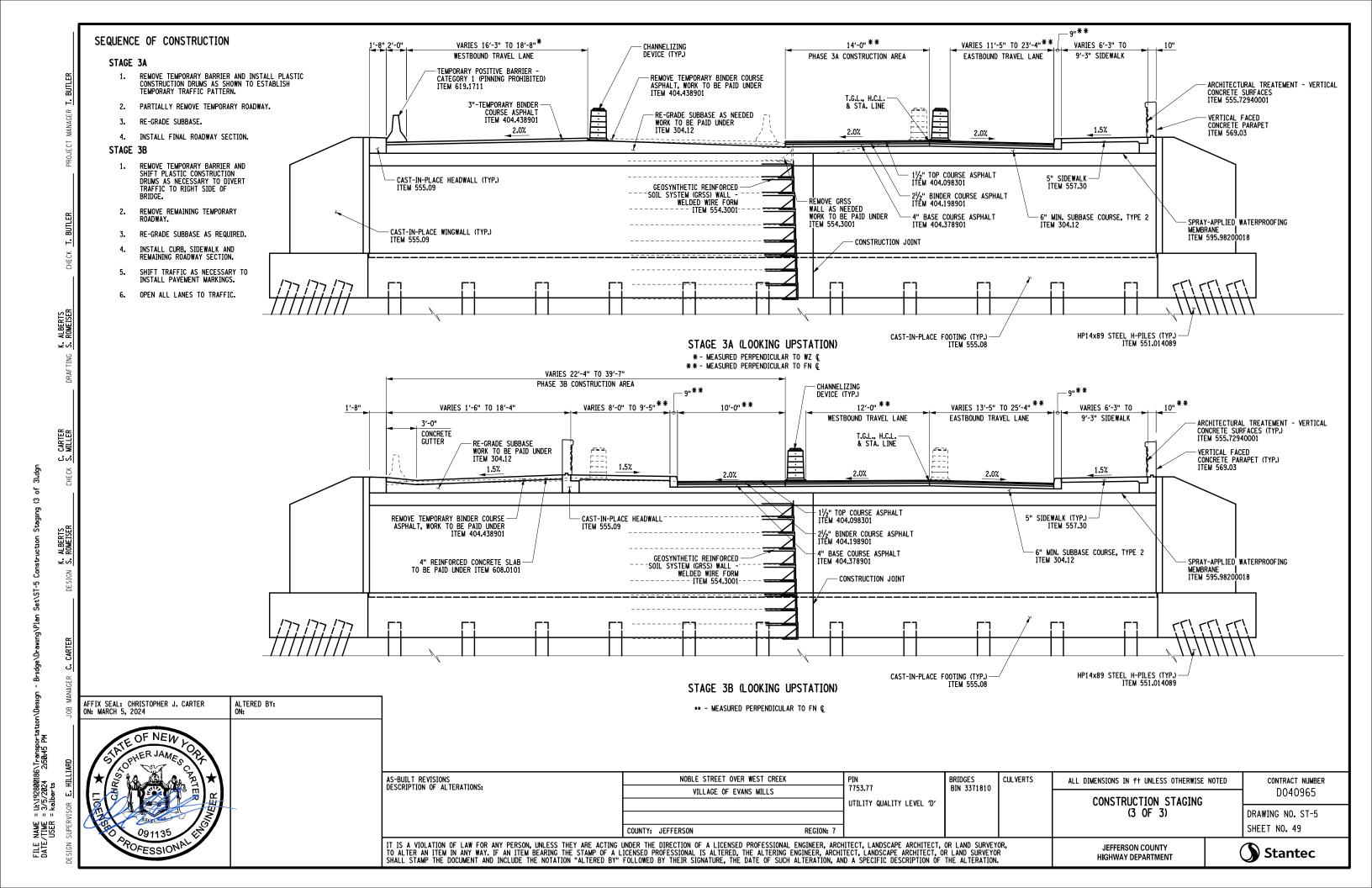
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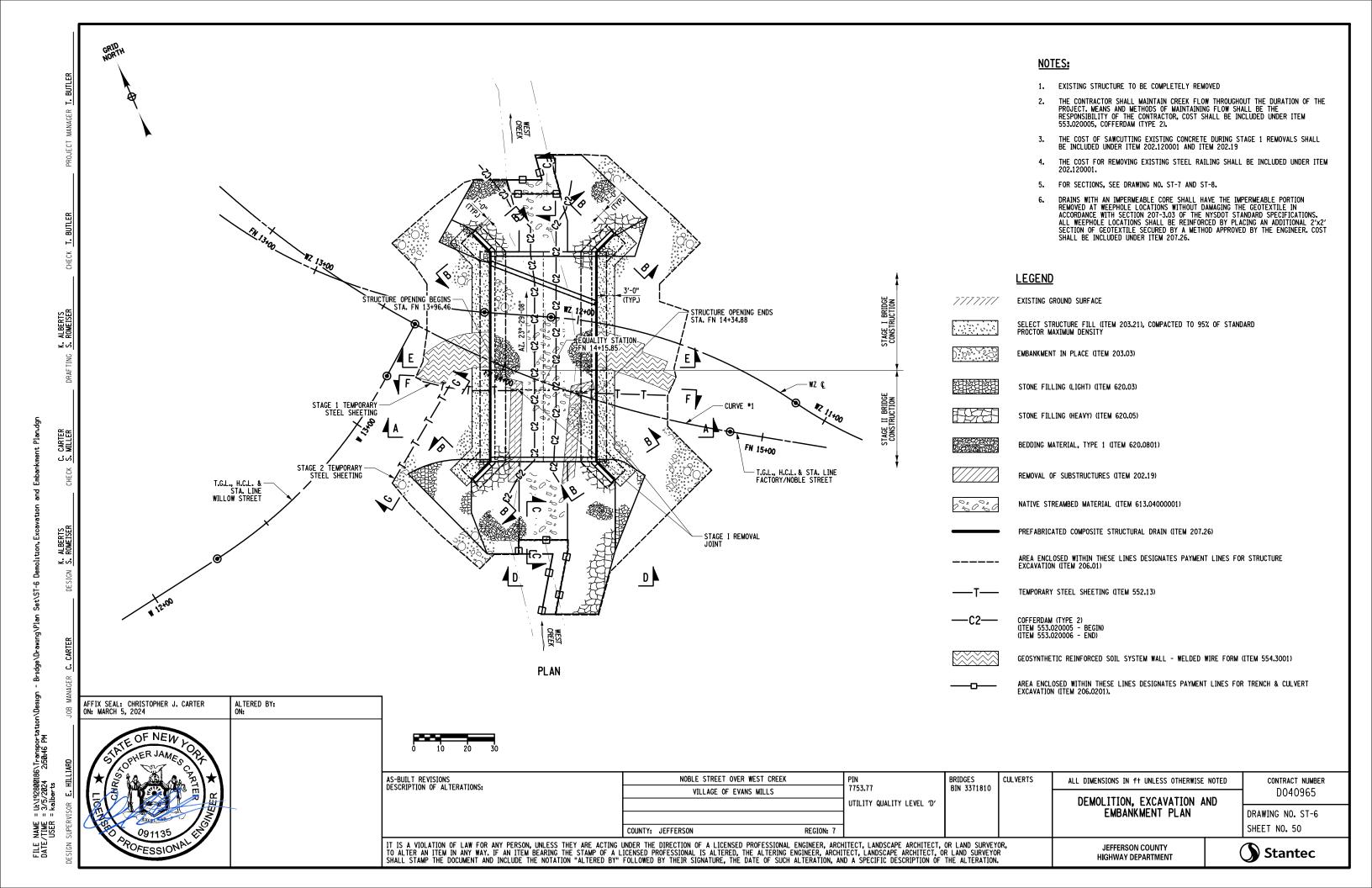
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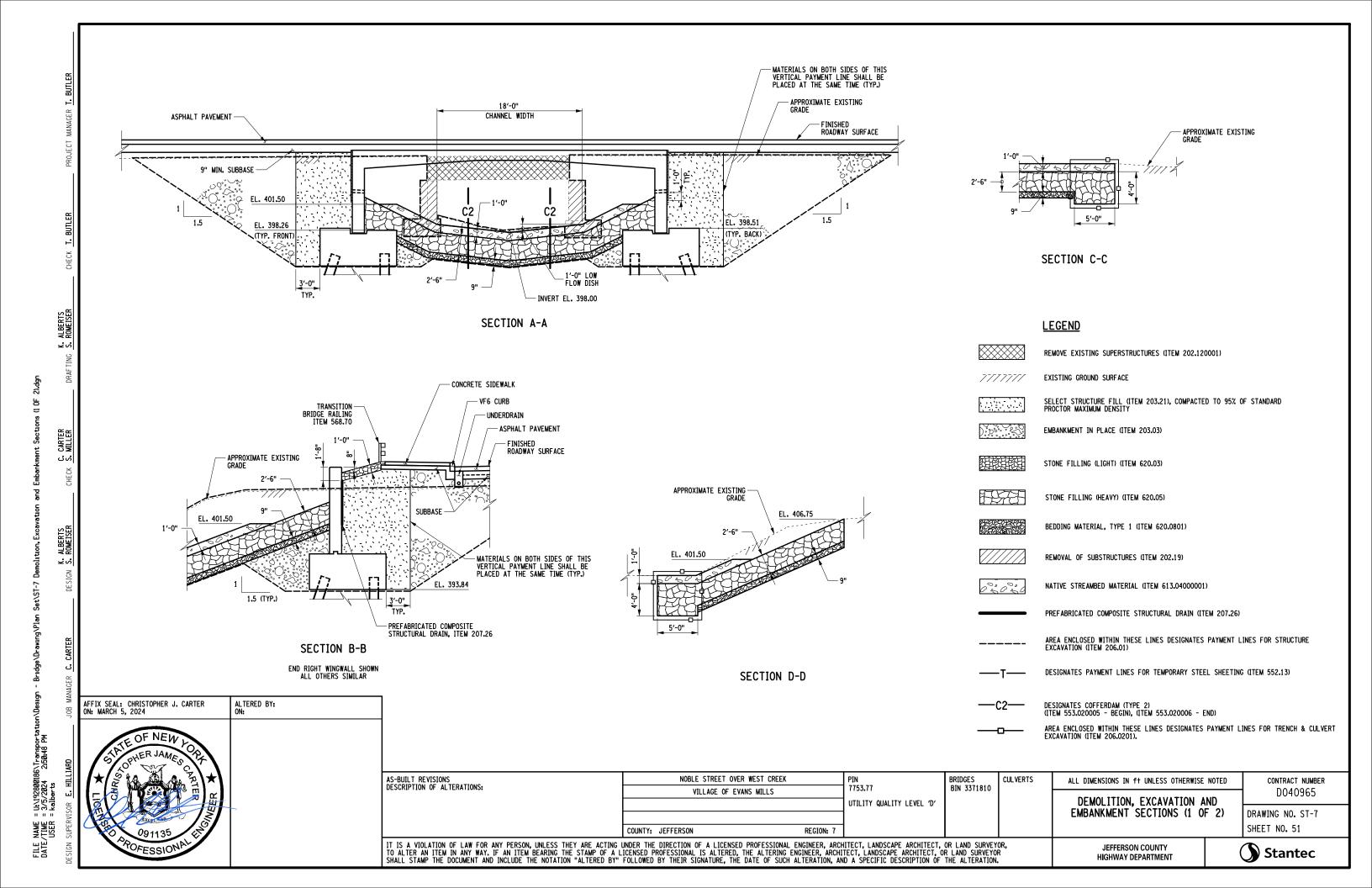
DRAWING NO. ST-3

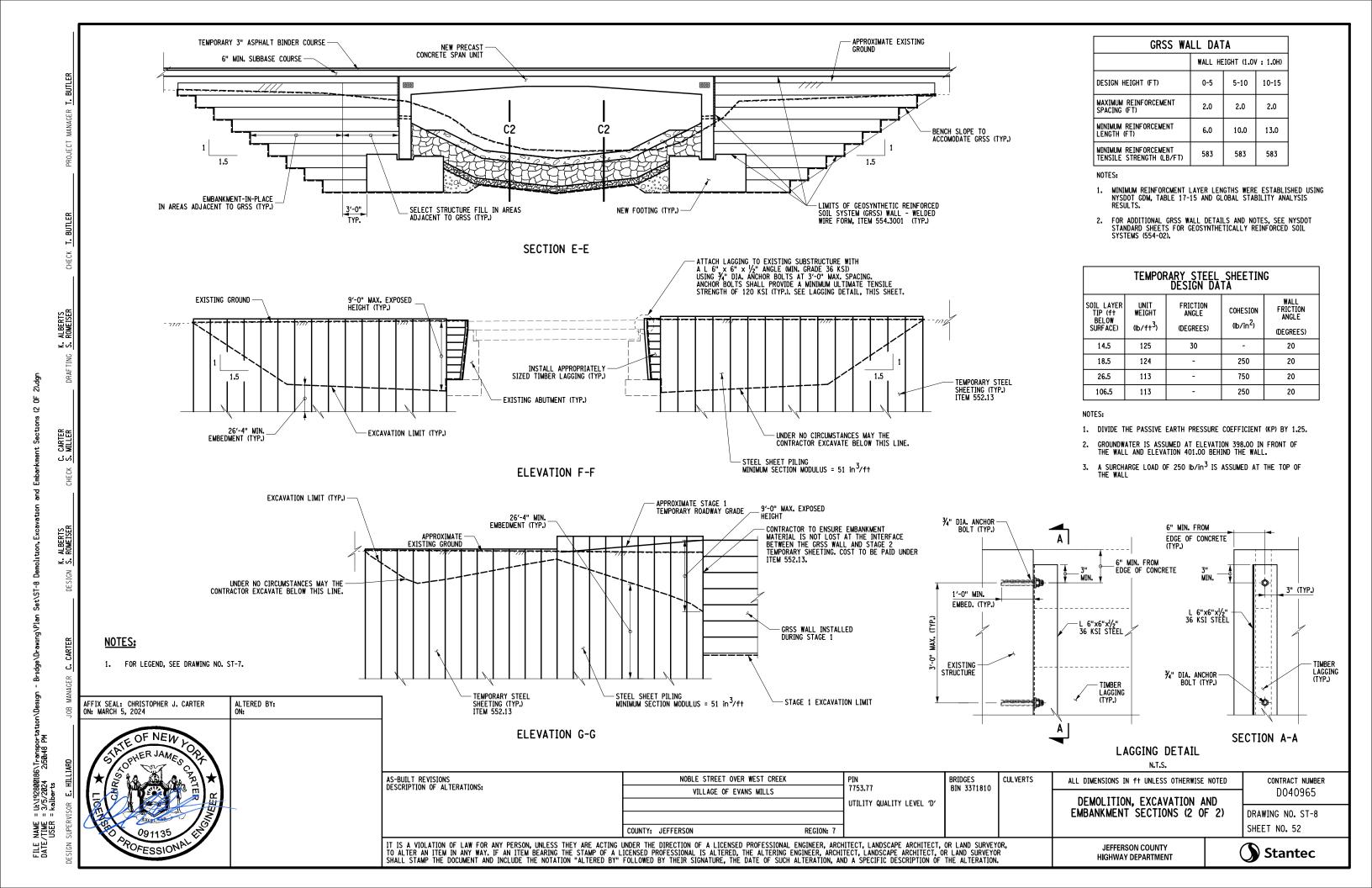
SHEET NO. 47











SPAN UNIT REACTIONS SPAN UNIT REACTIONS kip/ft. 5.83 LL I 0.00 DC 0.00 4.26 EH

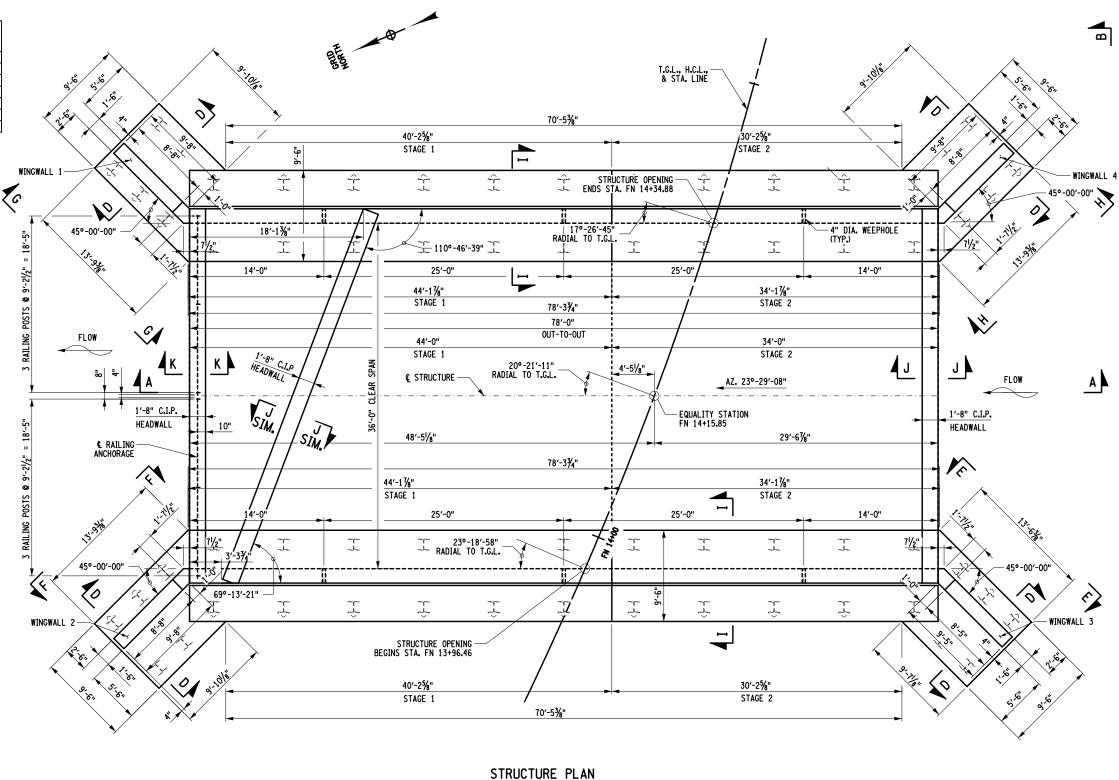
LOADS SHALL BE REVISED BY STRUCTURE SUPPLIER AND SENT TO ENGINEER FOR FOOTING VERIFICATION.

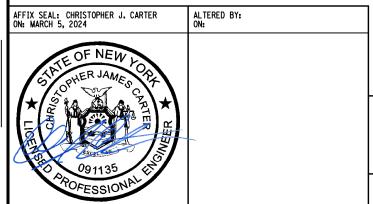
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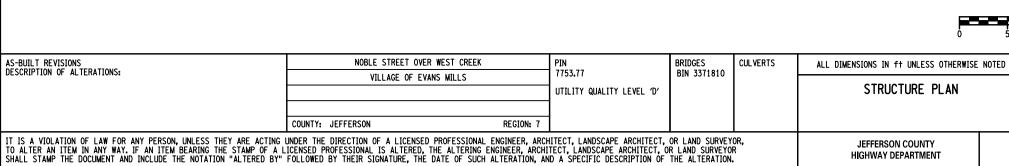
	GEOTECHNICAL DESIGN DATA											
FRICTION ANGLE OF SOIL RETAINED BY THE WALL (DEGREES)	FRICTION ANGLE OF FOUNDATION SOIL (DEGREES)	TOTAL SOIL UNIT WEIGHT (lb/ft³)	MAXIMUM SERVICE LIMIT STATE BEARING RESISTANCE (lb/ft²)	NOMINAL COEFFICIENT OF FRICTION FOR SLIDING	STRENGTH LIMIT STATE RESISTANCE FACTOR 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
- 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.

- 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 ELEVATION 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.





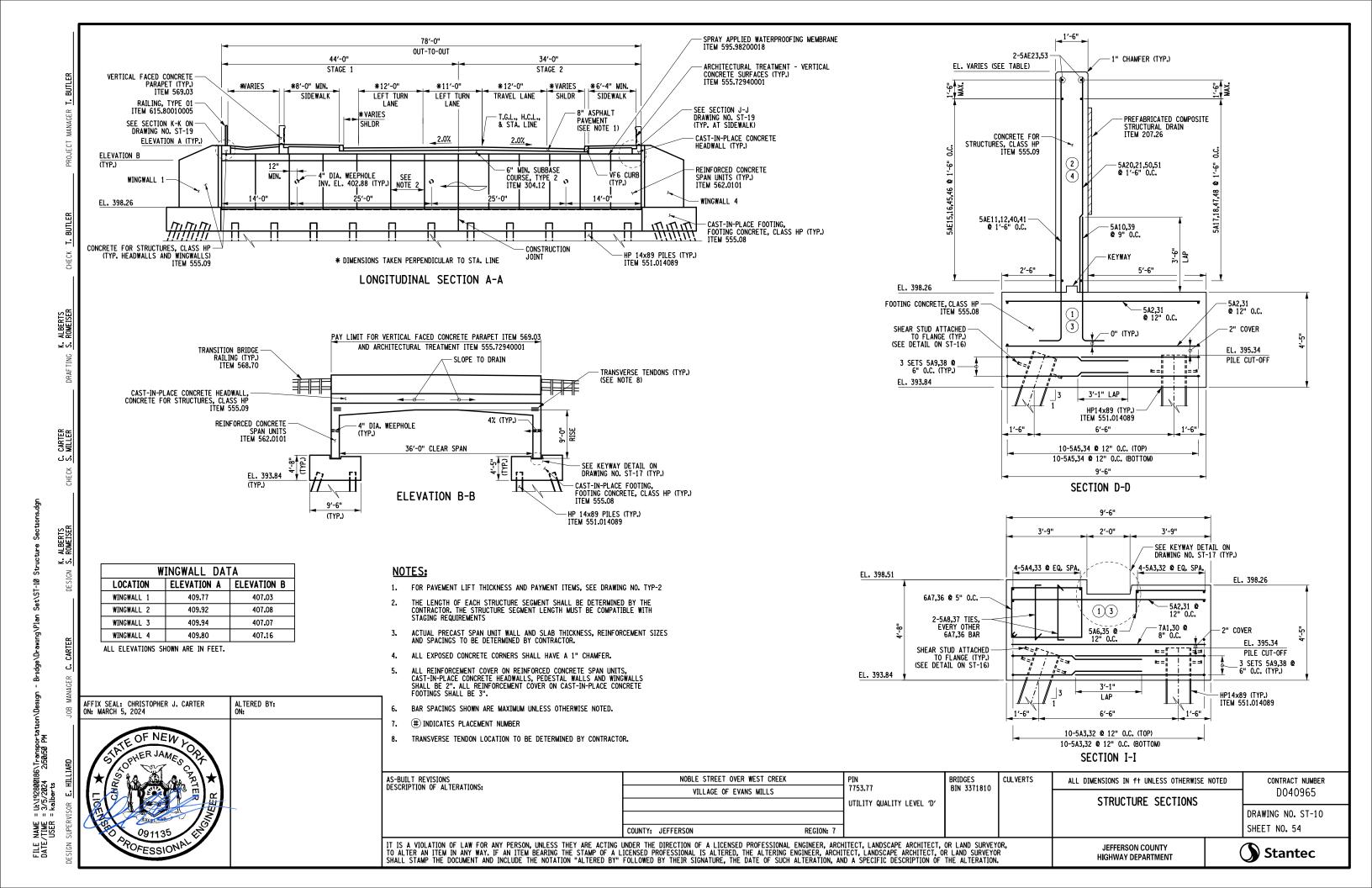


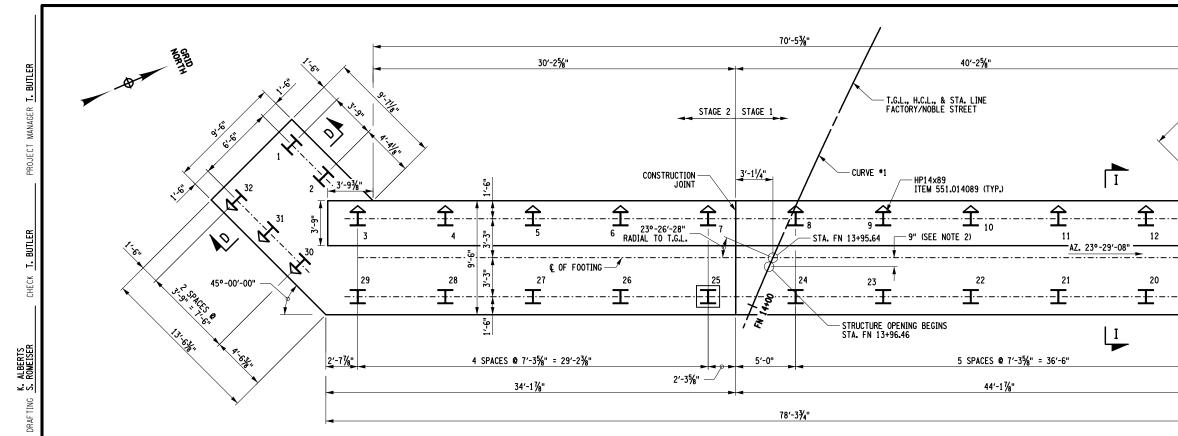
CONTRACT NUMBER

D040965

DRAWING NO. ST-9

SHEET NO. 53





CARTER MILLER

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- 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:

- 1. 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.
- 3. 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
- B. ESTIMATED PILE LENGTH IS 110 FEET BELOW THE BOTTOM OF THE ABUTMENT STEM.

WINGWALL PILES (PILES 1-2, 14-18, AND 30-32):

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

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.

ALTERED BY: ON:

ESTIMATED PILE LENGTH IS 110 FEET BELOW THE BOTTOM OF THE WINGWALL FOOTING.

BEGIN FOUNDATION PLAN

LEGEND

- I STEEL H-PILE, ITEM 551.014089
- $\frac{1}{3}$ BATTERED H-PILE, ITEM 551.014089 (3 ON 1 BATTER)
- T DYNAMIC PILE TESTING, ITEM 551.14

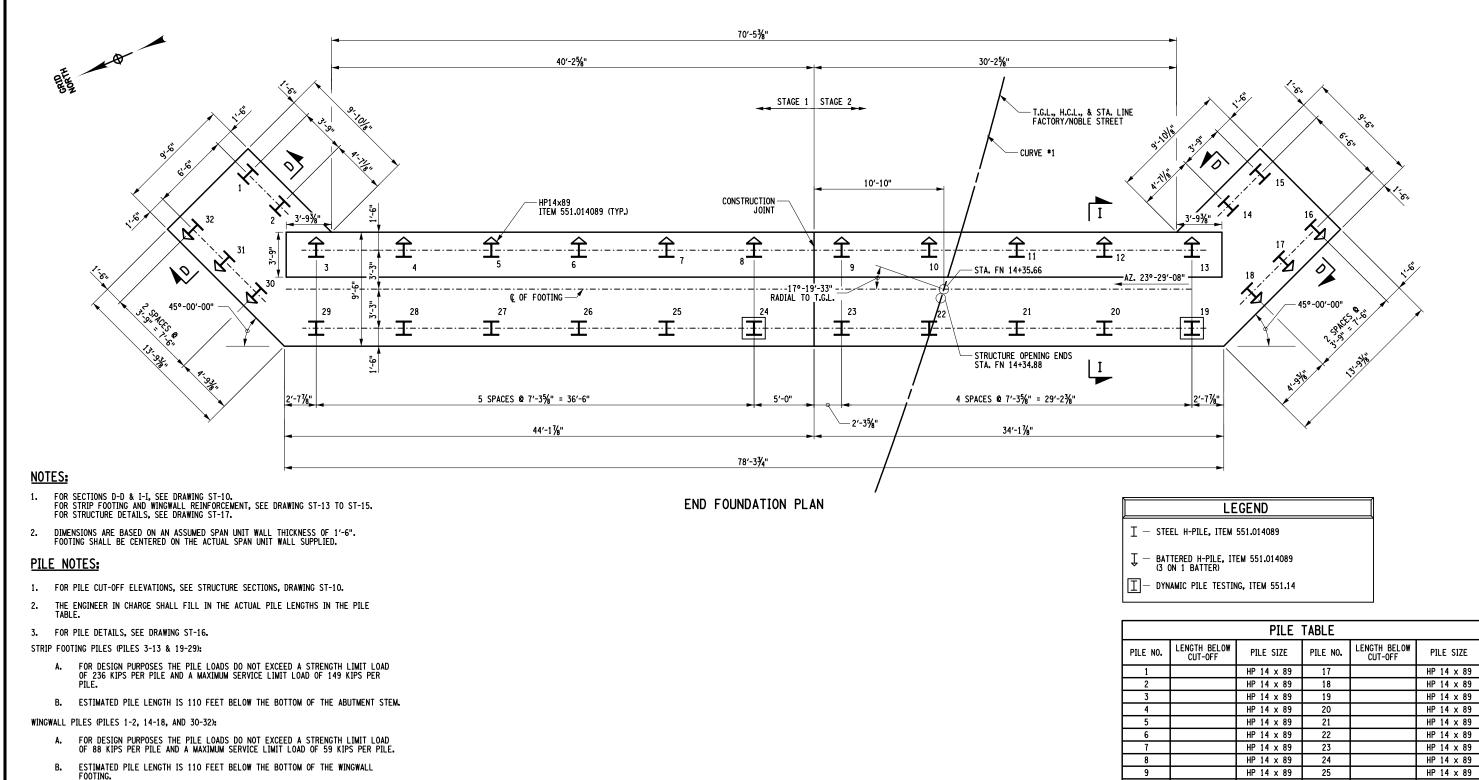
		PILE	TABLE		
PILE NO.	LENGTH BELOW CUT-OFF	PILE SIZE	PILE NO.	LENGTH BELOW CUT-OFF	PILE SIZE
1		HP 14 x 89	17		HP 14 x 89
2		HP 14 x 89	18		HP 14 x 89
3		HP 14 x 89	19		HP 14 x 89
4		HP 14 x 89	20		HP 14 x 89
5		HP 14 x 89	21		HP 14 x 89
6		HP 14 x 89	22		HP 14 x 89
7		HP 14 x 89	23		HP 14 x 89
8		HP 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

13

45°-00'-00"

				16		HP 14 x 89	32		HP 14 x 89	<u> </u>	
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST O		PIN 7753,77	BRIDGES BIN 3371810	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED			NOTED	CONTRACT NUMBER	
	VILLAGE OF EVANS MILLS		UTILITY QUALITY LEVEL 'D'	DIN 2211010		FOUNDATION PLAN - BEGIN			,	D040965	
						FUUN	IDATION P	'LAN - BEGIN	١ ١	DD.1887110 110 CT 14	
			1							DRAWING NO. ST-11	
	COUNTY: JEFFERSON	REGION: 7								SHEET NO. 55	
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTOR ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED	A LICENSED PROFESSIONAL IS ALTERED, THE ALTE	ERING ENGINEER, ARCH	ITECT, LANDSCAPE ARCHITECT, O	R LAND SURVEYO	R	-	EFFERSON CO GHWAY DEPAR		(Stantec	

6\Transport 2:50:51 PM FILE NAME : DATE/TIME : USER :



B. ESTIMATED PILE LENGTH IS 110 FEI FOOTING.

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

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

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

CARTER MILLER

~ં.જ

FILE NAME : DATE/TIME : USER : AS-BU DESCR

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

7753.77

UTILITY QUALITY LEVEL 'D'

REGION:

BRIDGES BIN 3371810 CULVERTS

11

13

14

16

FOUNDATION PLAN - END

JEFFERSON COUNTY

HIGHWAY DEPARTMENT

HP 14 x 89

26

27

29

30

32

CONTRACT NUMBER
D040965

DRAWING NO. ST-12

HP 14 x 89

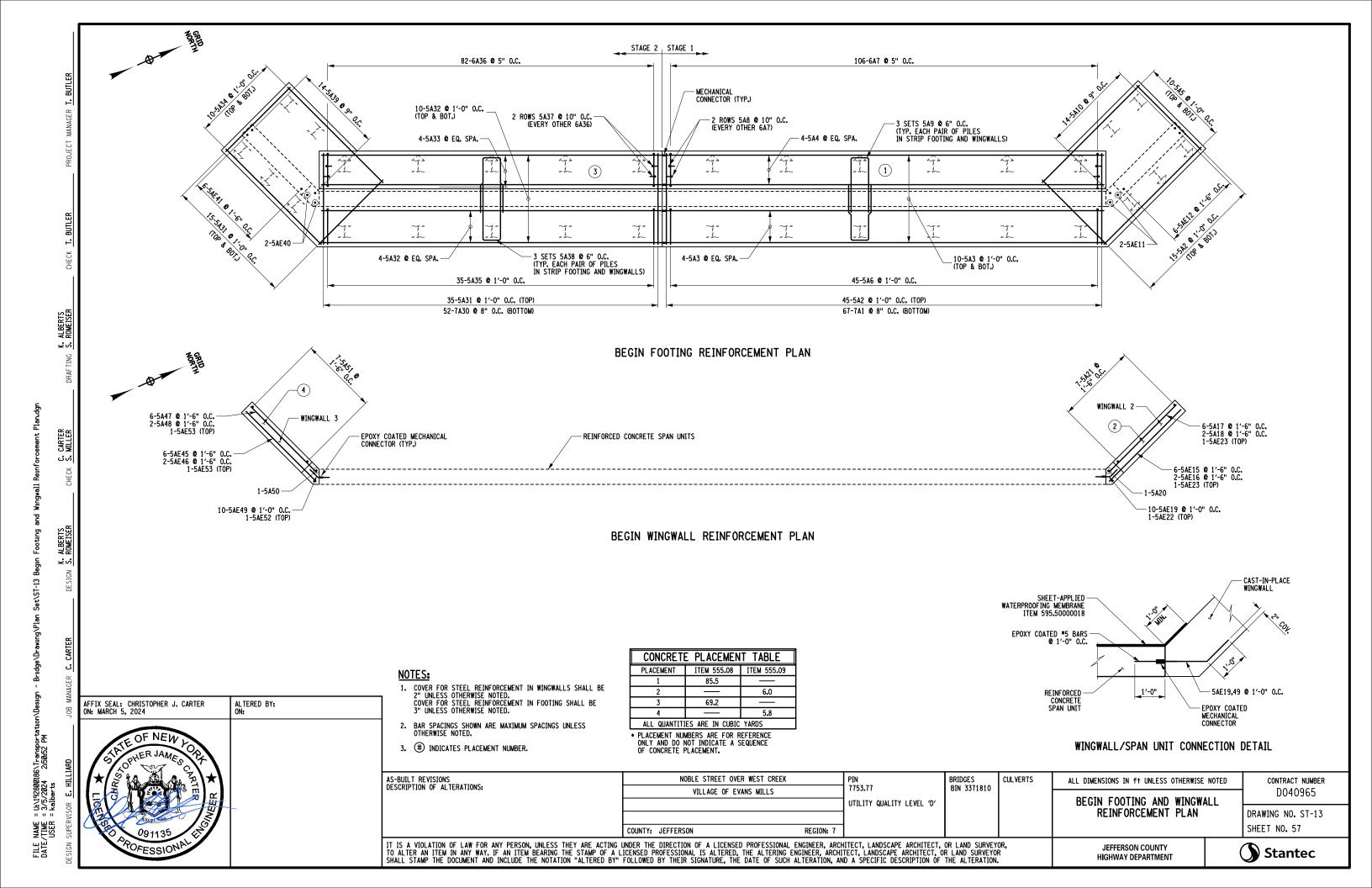
SHEET NO. 56

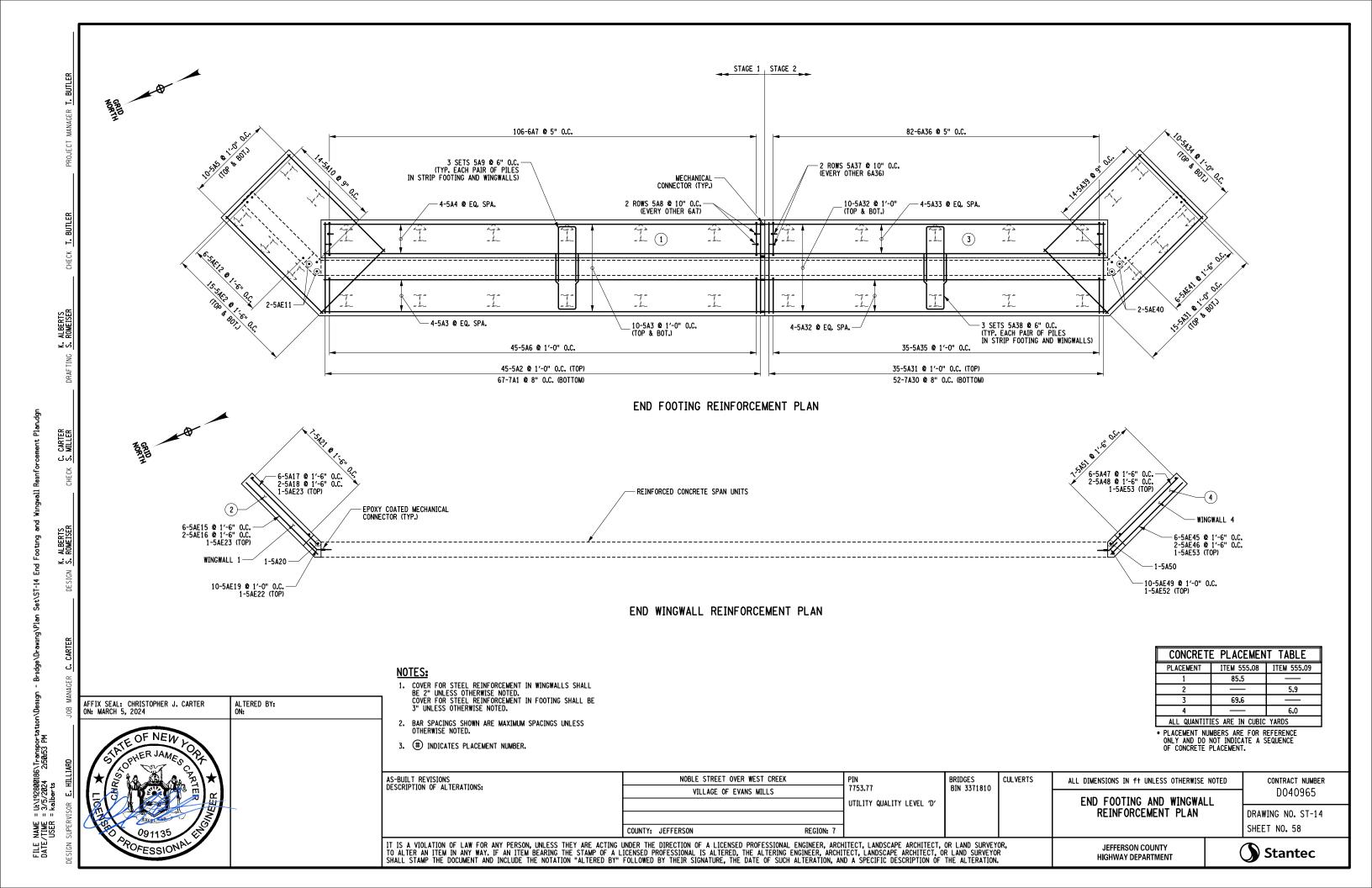
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

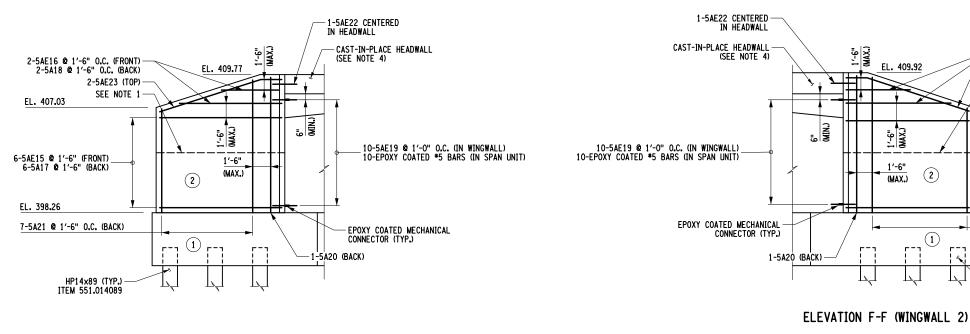
NOBLE STREET OVER WEST CREEK

VILLAGE OF EVANS MILLS

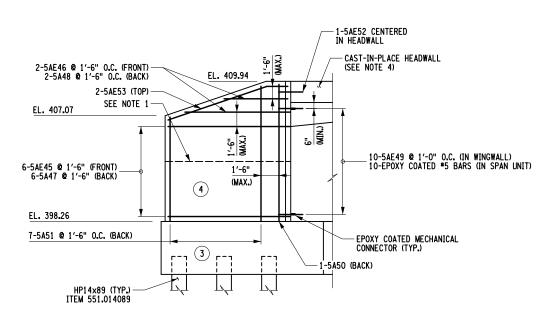




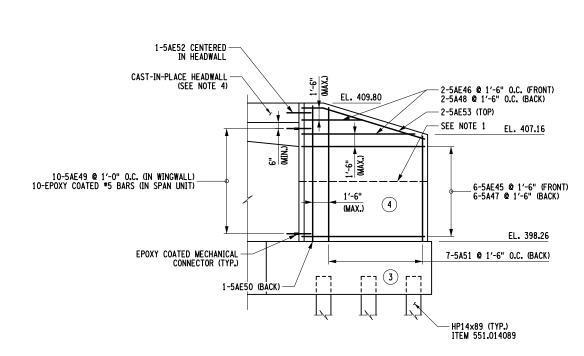
Set\ST-15 FILE NAME : DATE/TIME : USER :



ELEVATION G-G (WINGWALL 1)



ELEVATION E-E (WINGWALL 3)



EL. 409.92

1'-6"

(MAX.)

2

1

ELEVATION H-H (WINGWALL 4)

7753.77

BRIDGES

BIN 3371810

CUL VERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

WINGWALL REINFORCEMENT

ELEVATIONS

JEFFERSON COUNTY

HIGHWAY DEPARTMENT

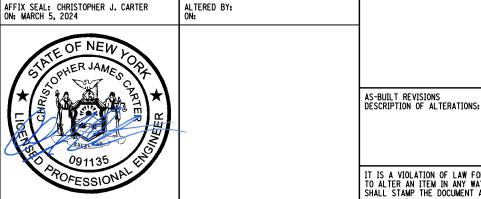
CONTRACT NUMBER

D040965

DRAWING NO. ST-15

SHEET NO. 59

Stantec



VILLAGE OF EVANS MILLS UTILITY QUALITY LEVEL 'D' COUNTY: JEFFERSON REGION: 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.

NOBLE STREET OVER WEST CREEK

NOTES:

- 2-5AE16 @ 1'-6" O.C. (FRONT) 2-5A18 @ 1'-6" O.C. (BACK)

6-5AE15 @ 1'-6" (FRONT) 6-5A17 @ 1'-6" (BACK)

EL. 398.26

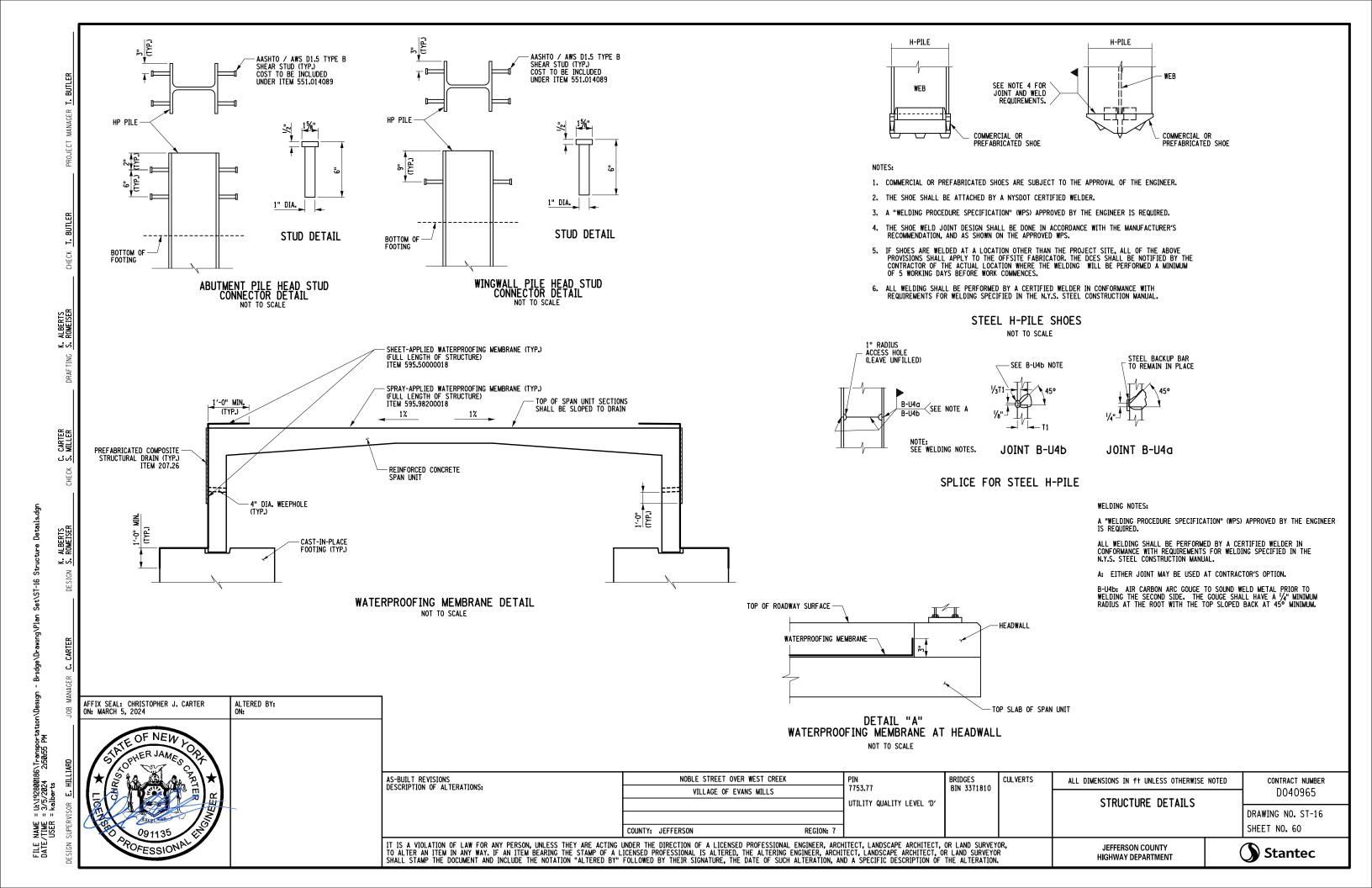
- 2-5AE23 (TOP)

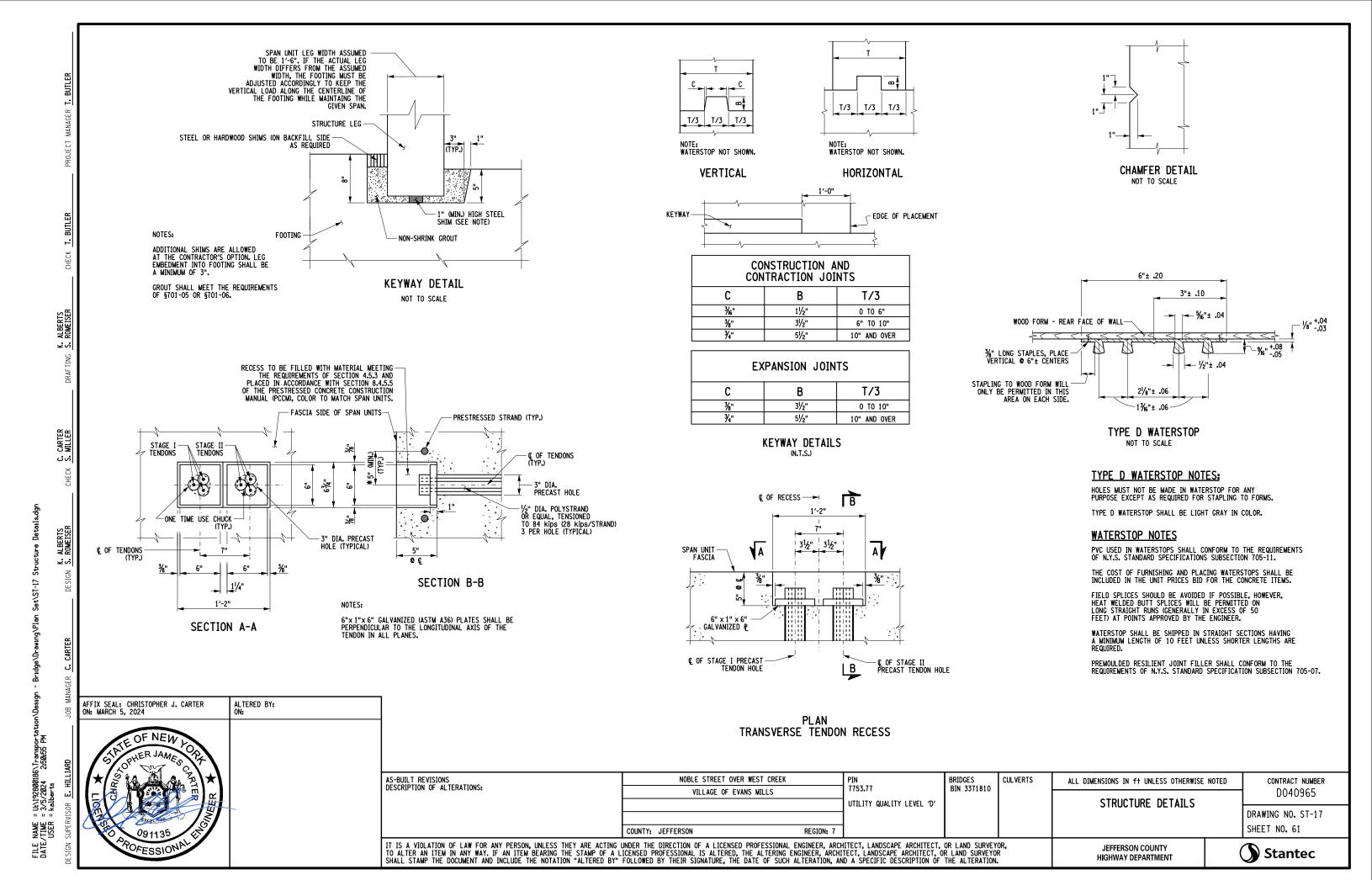
- SEE NOTE 1 EL. 407.08

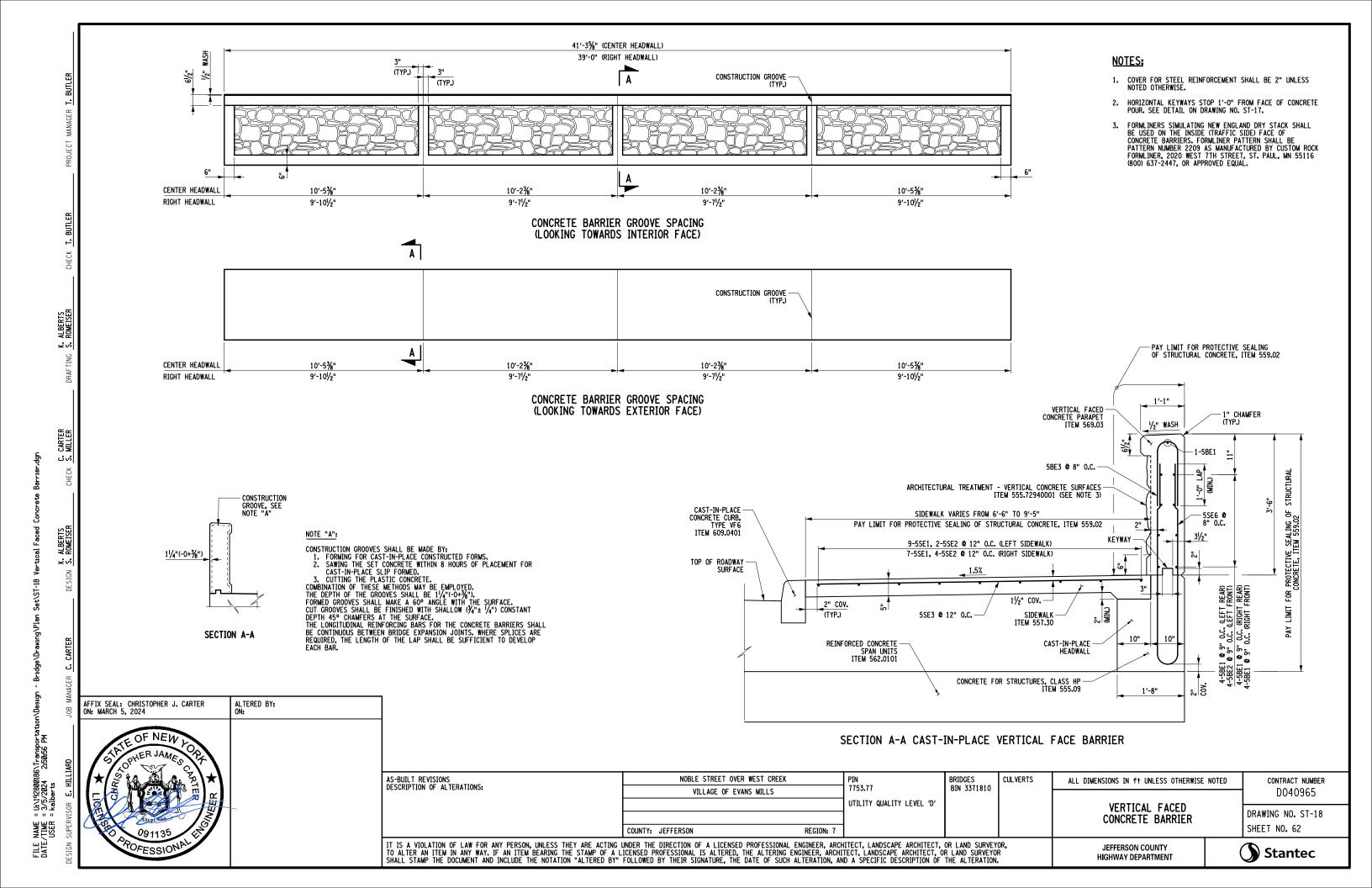
7-5A21 @ 1'-6" O.C. (BACK)

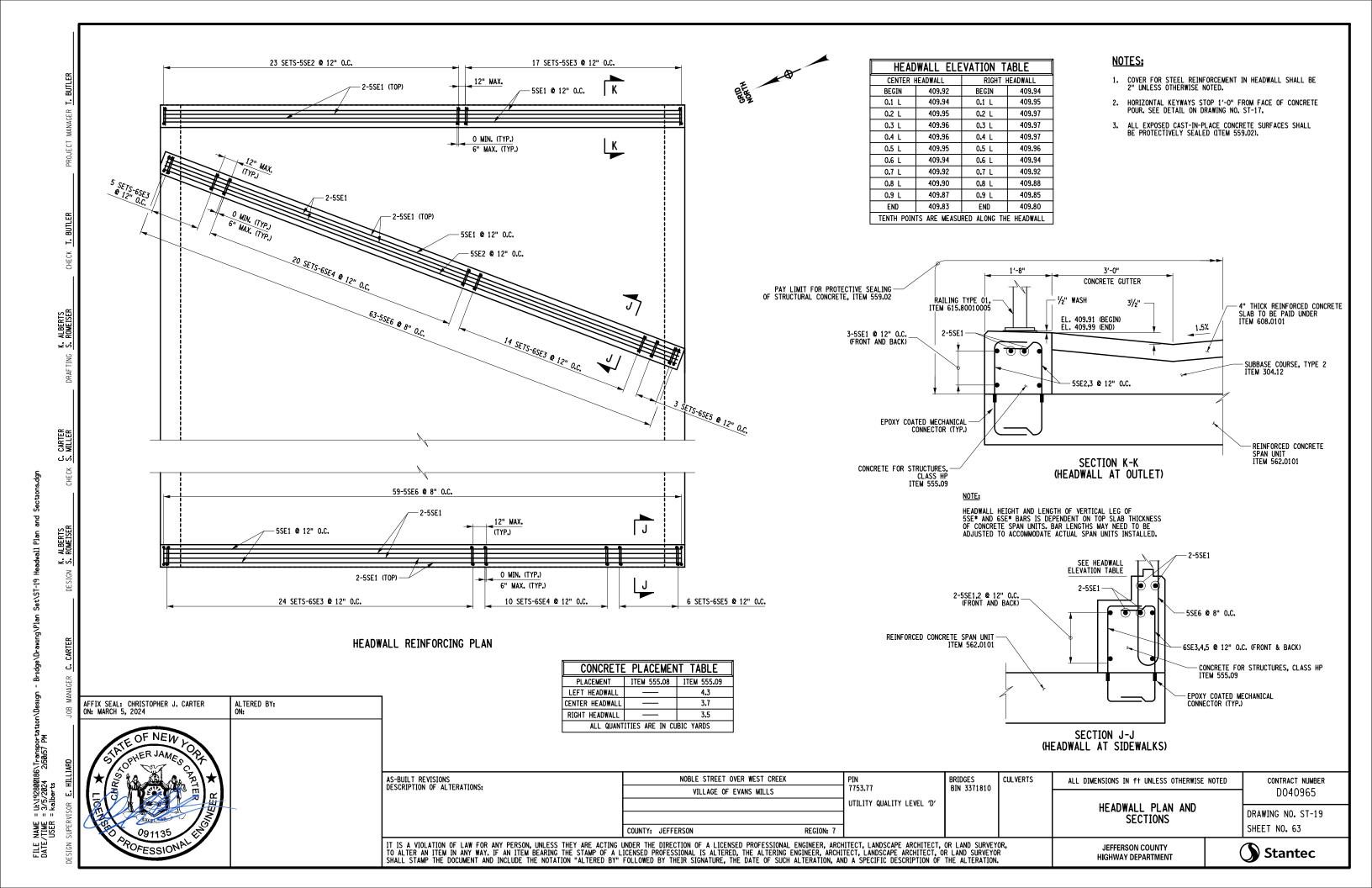
- HP14x89 (TYP.) ITEM 551.014089

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





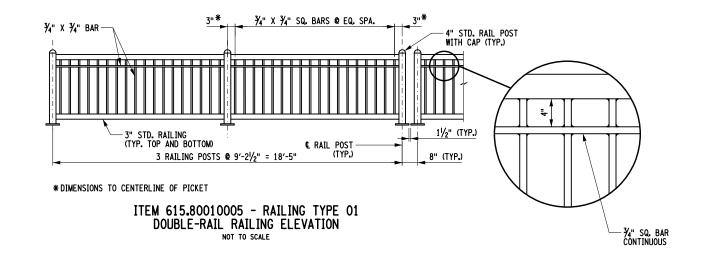


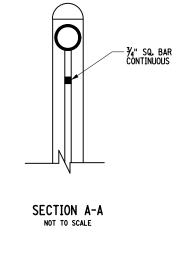


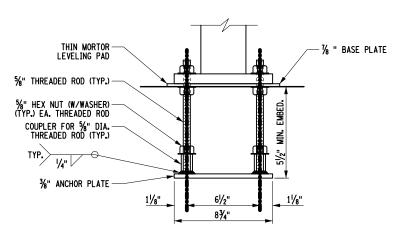
Set\ST-20

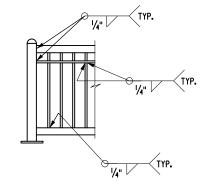
NOTES:

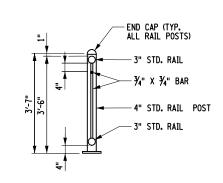
- ALL RAILING IS TO BE FABRICATED SO THAT THE RAILS ARE PARALLEL TO EACH OTHER AND TO THE TOPS OF THE RETAINING WALLS, AND SO THAT THE POSTS ARE TRULY VERTICAL.
- 2. THE BASE PLATES SHALL BE PERPENDICULAR TO THE RAIL POST.
- 3. ALL RAILS SHALL BE CONTINUOUS BETWEEN POSTS. NO SPLICING OF RAILS IS PERMITTED UNLESS SPECIFIED BY THE ENGINEER.
- MATERIALS USED IN THE MANUFACTURING OF THIS RAILING ASSEMBLY SHALL CONFORM TO THE SPECIFICATIONS LISTED UNDER NYSDOT SPECIFICATION 568-BRIDGE RAILING.
- 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.
- 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.







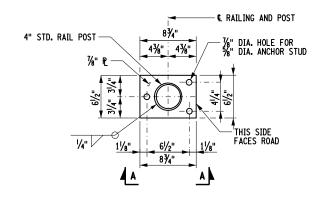


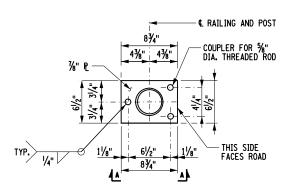


ANCHORAGE DETAIL

TYPICAL WELDING DETAIL NOT TO SCALE

ITEM 615.80010005 - RAILING TYPE 01 TYPICAL SECTION NOT TO SCALE





BASE PLATE DETAIL NOT TO SCALE

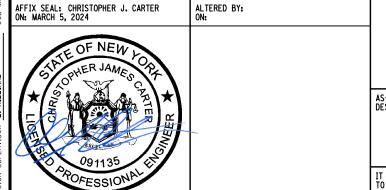
ANCHOR PLATE DETAIL NOT TO SCALE

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

SAFETY RAILING DETAILS

JEFFERSON COUNTY

HIGHWAY DEPARTMENT

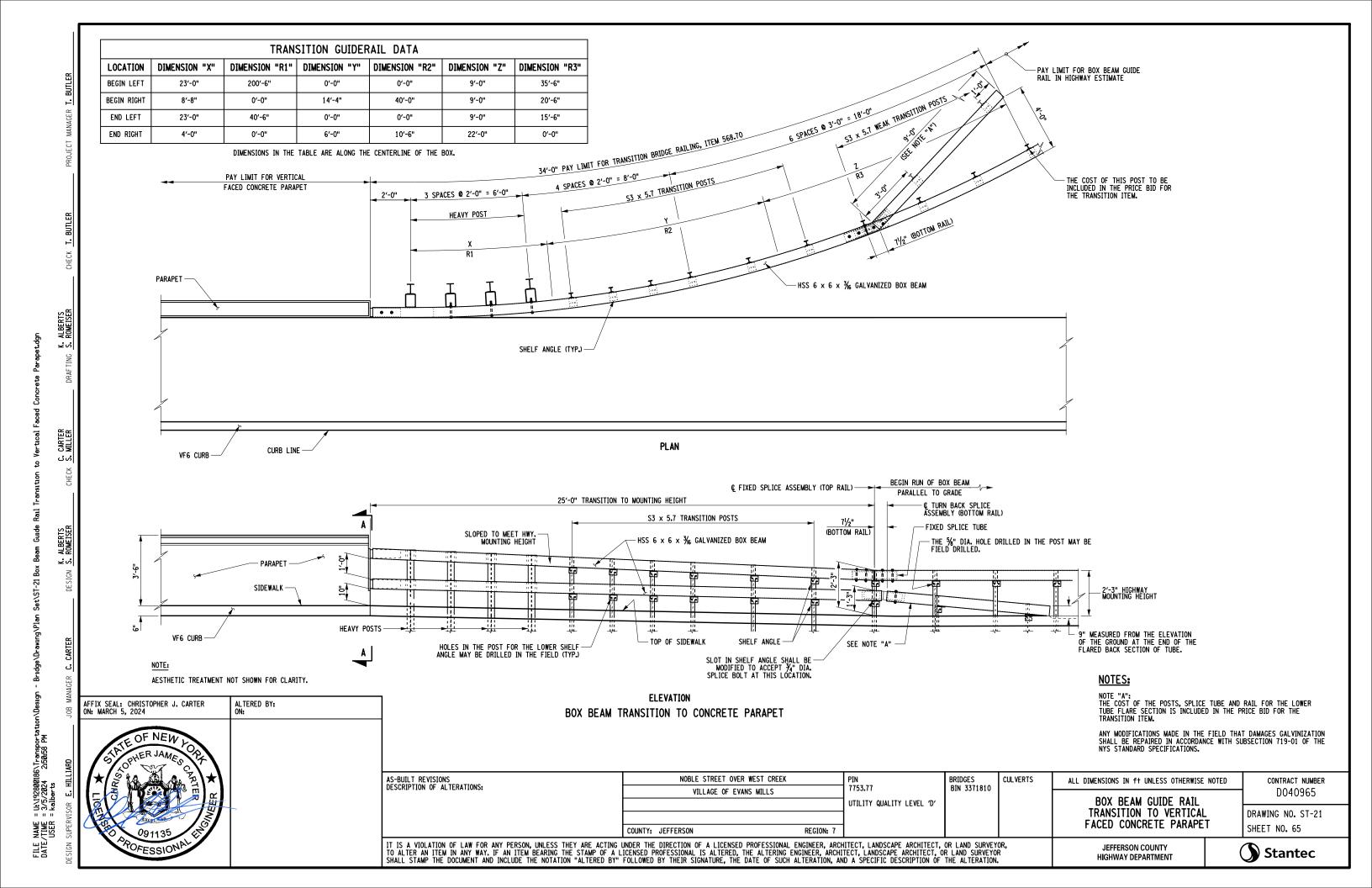


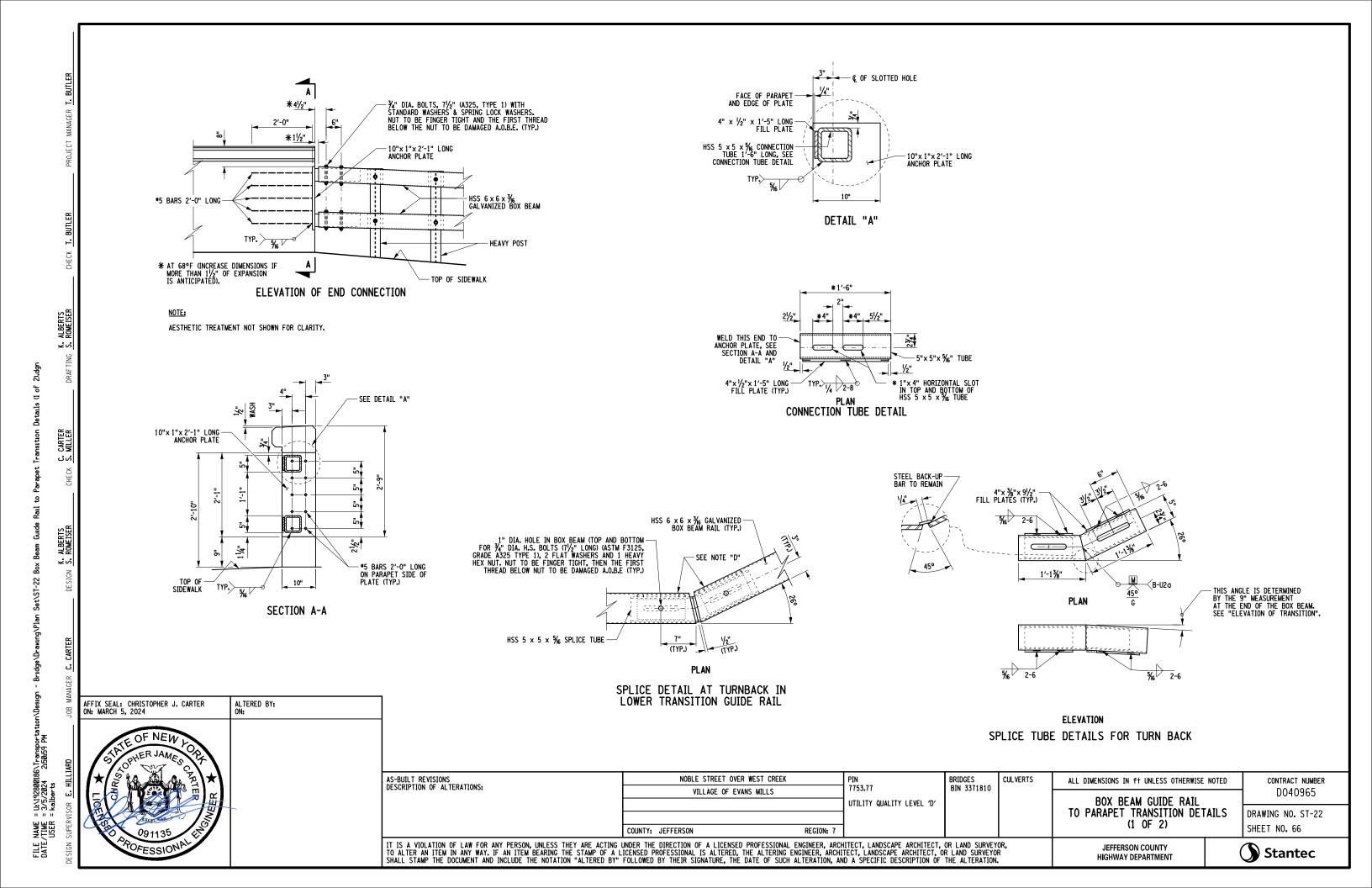
AS-BUILT REVISIONS	NOBLE STREET OVER WEST CREEK	PIN		CUL
DESCRIPTION OF ALTERATIONS:	VILLAGE OF EVANS MILLS	7753.77	BIN 3371810	
		UTILITY QUALITY LEVEL 'D'		
	COUNTY: JEFFERSON REGION: 7			
TT TO A MICHAEL ATTOM OF LAW FOR ANY DEPOCAL INVESC. THEY ARE LOTTING		I	00 1 1110 CHDVEV	
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING U TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A L				
SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY"				

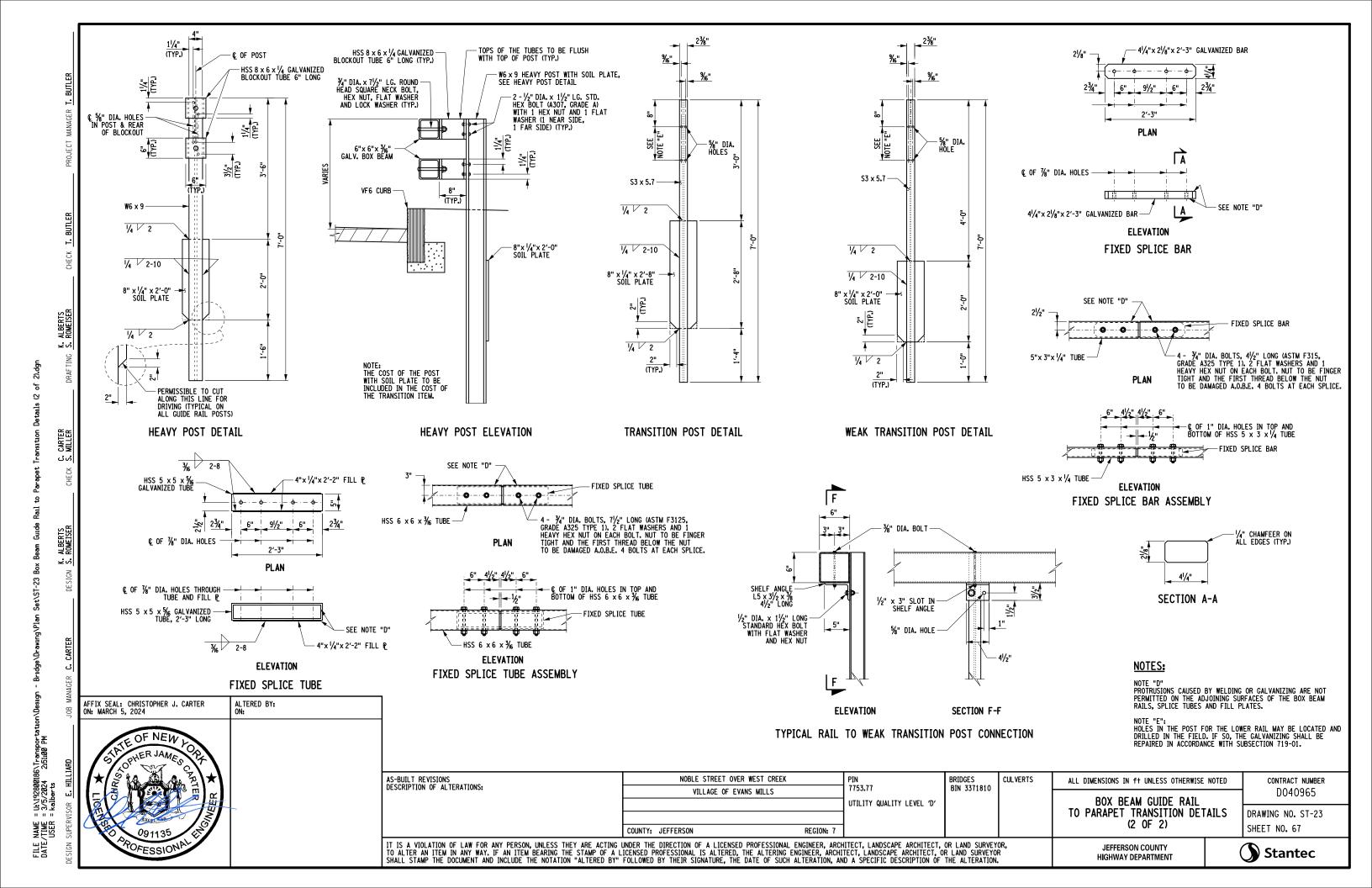
CULVERTS

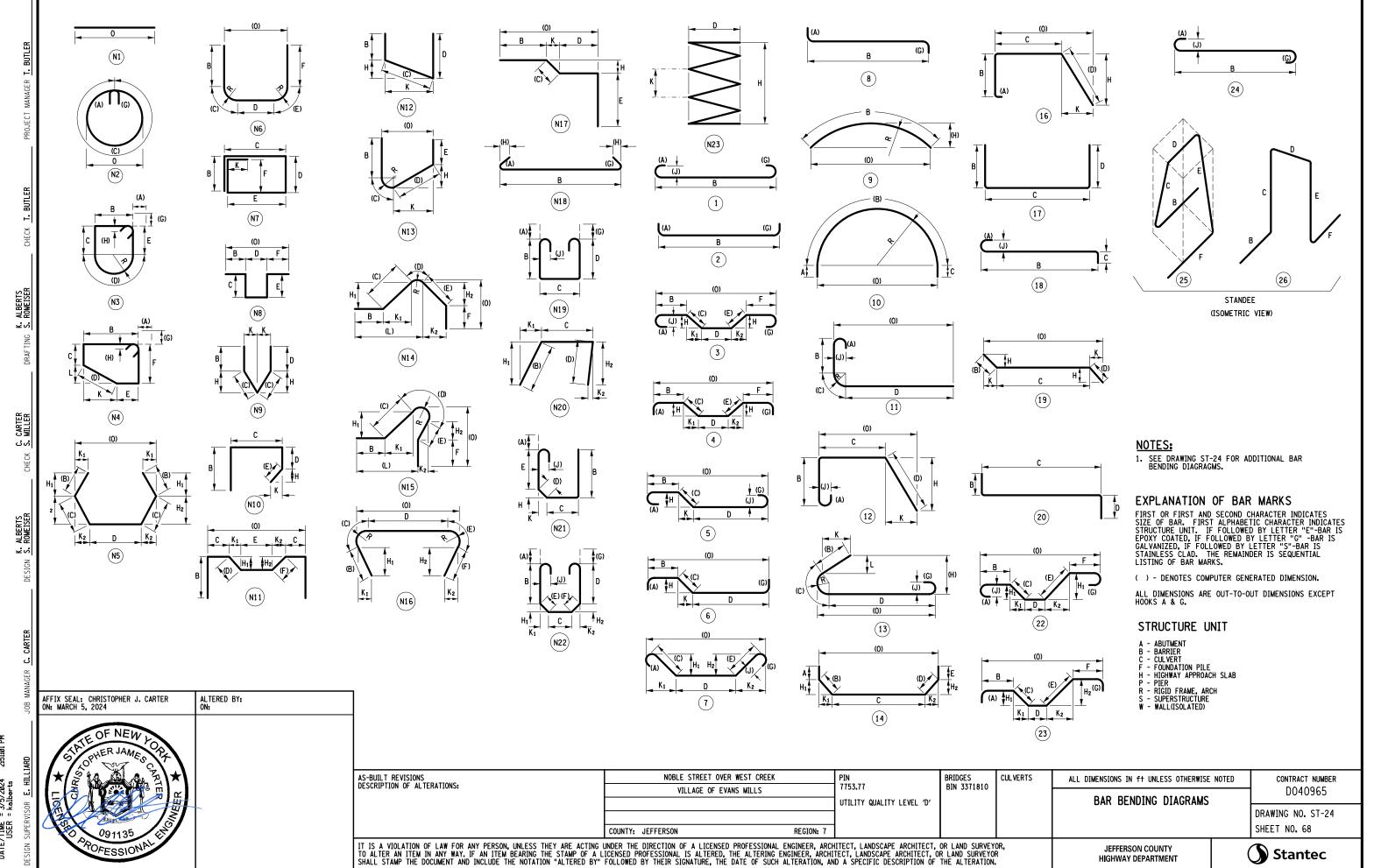
D040965 DRAWING NO. ST-20 SHEET NO. 64

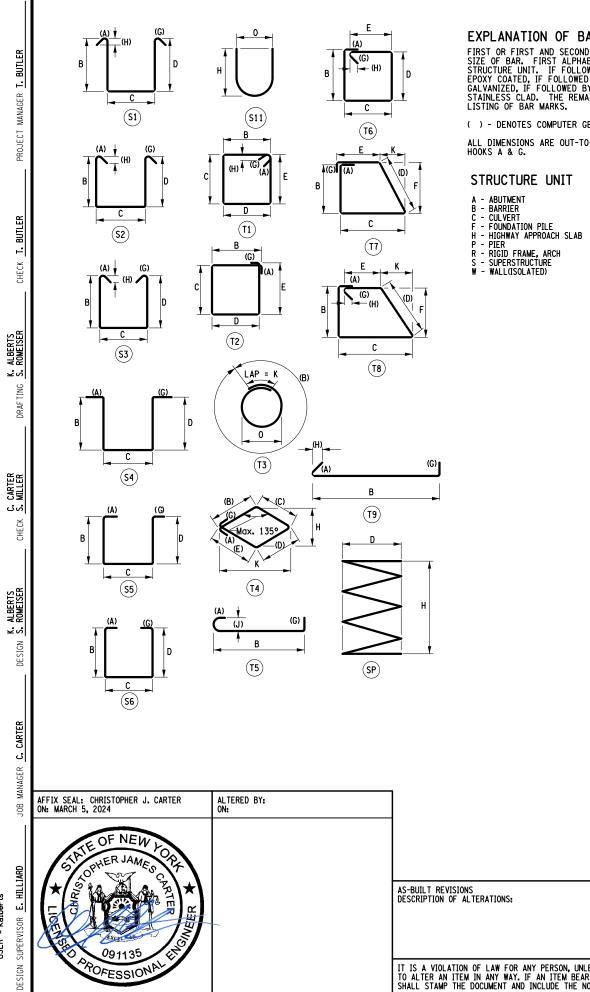
CONTRACT NUMBER











Set\ST-25 Bar

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

MARK	NO.	LENGTH	TYPE	WEIGHT	Α	В	С	D	E	F	G	H H₁	H ₂	J	K K ₁	K ₂	L	0	R
BEGIN A	BUTMEN	NT																	
PLACEM	ENT 1 -	STAGE 1 FO	OTING																
7A1	67	9'-0"	N1	1,233														9'-0"	
5A2	75		N1	704														9'-0"	
5A3	24	44'-0"	N1	1,101											<u> </u>	<u> </u>		44'-0"	
5A4	4		N1	183											<u> </u>			43'-9"	
5A5 5A6	20 45		N1 17	280 203		1'-2"	3'-2"											13'-5"	
6A7	106		T1		0'-8"	3'-3"	2'-6"	3'-3"	2'-6"		0'-8"	0'-5"			-	-			
5A8	106		T9			2'-7"	2-0	3.5	2-0		0'-6"	0'-4"							
5A9	48	14'-0"	17		U-0	6'-1"	1'-10"	6'-1"			0-0	0-4							
5A10	14	7'-1"	2		0'-10"	6'-3"	- 10	J-1							-	 			
5AE11	2		2		-	14'-2"									 	 			
5AE12	6		2		-	12'-8"									 	 		\vdash	
5AE12				ROM 11'-5" TO															
SUBTOTAL	PLAIN BA	RS =		6,947	lb														
SUBTOTAL				115	-														
PLACEM	ENT 2 -	WINGWALL	2																
5AE15	6	10'-1"	N1	63														10'-1"	
5AE16	2		N1															6'-3"	
5AE16				ROM 4'-0" TO 8														1	
5A17	6		N1	59														9'-5"	
5A18	2	5'-9"	N1	12														5'-9"	
5A18		DIMENSION "O	" VARIES F	ROM 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															10'-0"	
5A21				ROM 8'-8" TO 1	_														
5AE22	1		N12			2'-0"	1'-1"					0'-9"			0'-9"				
5AE23	2		N12			9'-0"	9'-0"					8'-6"			2'-10"				
5AE23		DIMENSION "B	" VARIES F	ROM 0'-11" TO	1'-7"														
CUDTOTAL	DI AIN DA	DC -		450	11.										<u> </u>				
SUBTOTAL				156															
SUBTUTAL	. EPUX I B	4K5 =		121	aı														
DI ACEM	ENIT 2	STAGE 2 FO	OTING																
PLACEIVI	ENI3-	STAGE 2 FU	DING																
7A30	52	9'-0"	N1	957											<u> </u>	-		9'-0"	
7A30 5A31	65		N1 N1	610	\vdash										 	 		9'-0"	
5A32	24																	34'-0"	
5A33	4																	33'-9"	
5A34	20		N1	275											l	l		13'-2"	
5A35	35		17			1'-2"	3'-2"								İ	l			
6A36	82		T1		0'-8"	3'-3"	2'-6"	3'-3"	2'-6"		0'-8"	0'-5"			Ì				
5A37	82	3'-7"	Т9	306	0'-6"	2'-7"					0'-6"	0'-4"							
5A38	42	14'-0"	17	613		6'-1"	1'-10"	6'-1"											
5A39	14		2			6'-3"													
5AE40	2	15'-1"	2	31	0'-10"	14'-3"													
5AE41	6					12'-9"													
5AE41		DIMENSION "B	" VARIES F	ROM 11'-5" TO	14'-0"														
SUBTOTAL				5,595															
SUBTOTAL	. EPOXY B	ARS =		J 116	lb														
SUBTOTAL	EPOXY B	ARS =		116	lb														

CONTRACT NUMBER D040965

DRAWING NO. ST-25

SHEET NO. 69

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NOBLE STREET OVER WEST CREEK			BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED		
JESCRIFTION OF ALTERATIONS:	VILLAGE OF EVANS MILLS		7753.77	BIN 3371810				
			UTILITY QUALITY LEVEL 'D'			BAR BENDING DIAGRAMS		
						AND BAR LIST		
	COUNTY: JEFFERSON	REGION: 7						
T IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A L SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY"	ICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENG	INEER, ARCHIT	TECT, LANDSCAPE ARCHITECT, O	R LAND SURVEYO	R	JEFFERSON COUNTY HIGHWAY DEPARTMENT		

K. ALBERTS S. ROMEISER ing\Plan Set\ST-26 Bar Listdgn FILE NAME = U:\1928@0186\Transportation\Uesign DATE/TIME = 3/5/2024 2:51:06 PM USER = kalberts

MARK NO.

LENGTH TYPE WEIGHT

В

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С

MARCH 5, 2024	ON:
* HE OF NEW YORK X STREET AMES CARTER X X X X X X X X X X X X X X X X X X X	

																		ш.
LACEM	ENT 4 - '	WINGWALL	3															
F45		01.40!!	N/A	60													01.4011	<u> </u>
E45 E46	6		N1 N1						<u> </u>				-				9'-10" 6'-2"	_
E46				ROM 3'-11" TO									-				0-2	$\overline{}$
47	6		N1														9'-2"	$\overline{}$
\48	2	5'-6"	N1														5'-6"	
A48		DIMENSION "O	" VARIES F	ROM 3'-4" TO 7	'-9"													
AE49	10	2'-1"	N12			1'-0"	1'-1"					0'-9"			0'-9"		4'-11"	
A50	1	11'-6"	N1														11'-6"	
A51	7	9'-12"	N1														10'-0"	<u> </u>
A51				ROM 8'-8" TO 1		01.01	41.41					01.011	_		01.011			—
AE52 AE53	2	3'-1" 9'-11"	N12 N12			2'-0" 1'-2"	1'-1" 8'-9"					0'-9" 8'-3"			0'-9" 2'-10"			
AE53				ROM 0'-10" TO		1-2	10-3					0.5			2-10			$\overline{}$
7.1200			17.11.11.11	1														$\overline{}$
UBTOTAL	PLAIN BA	ARS =		154	lb													
UBTOTAL	EPOXY B	ARS =		120	lb													
		BEGIN ABUTM		12,852														
OTAL EPO	OXY BARS,	, BEGIN ABUTM	IENT =	472	lb		<u> </u>						\vdash					_
						<u> </u>	<u> </u>						—	$-\!\!\!+$				_
END ABL	JTMENT																	<u> </u>
																		_
PLACEM	ENT 1 - :	STAGE 1 FC	OTING															
A1	67	9'-0"	N1														9'-0"	<u> </u>
A2	75		N1						<u> </u>								9'-0"	_
A3 A4	24	44'-0" 43'-9"	N1 N1														44'-0" 43'-9"	_
A4 A5	20		N1			_	_							-			43 -9 13'-5"	_
A6	45		17			1'-2"	3'-2"										13-5	$\overline{}$
A7	106	12'-10"	11 T1		0'-8"	3'-3"	2'-6"	3'-3"	2'-6"		0'-8"	0'-5"	_					
A8	106	3'-7"	T9			2'-7"					0'-6"	0'-4"						
A9	48	14'-0"	17	701		6'-1"	1'-10"	6'-1"										
A10	14	7'-1"	2	103	0'-10"	6'-3"												
5AE11	2		2															<u> </u>
AE12	6		2			12'-6"												_
AE12		DIMENSION "B	" VARIES F	ROM 11'-4" TO	13'-9"													—
<u> </u>	DI AIN DA	DC -		6.047	114			<u> </u>	<u> </u>					-				<u> </u>
SUBTOTAL				6,947 115					<u> </u>				_	-				_
J	LFOXID	I		113	ID.													_
OL ACEM	ENT 2 -	WINGWALL	1															_
LACLIVI	LIVI Z -	VINGVALL	<u>'</u>			 	 	 	 				_					
AE15	6	10'-1"	N1	63	-				-				 	$\overline{}$			10'-1"	_
AE16	2		N1										 	\dashv			6'-1"	
AE16				ROM 3'-8" TO 8		i	i	i						\neg				
A17	6		N1														9'-5"	
A18	2	5'-5"															5'-5"	
A18				ROM 3'-1" TO 7														_
AE19	10					1'-0"	1'-1"				\vdash	0'-9"			0'-9"			_
A20	1					├──	├──	<u> </u>					\vdash				11'-4"	_
A21 A21	7			72 ROM 8'-8" TO 1		<u> </u>	<u> </u>	<u> </u>					-	\longrightarrow			9'-11"	
AE22	1					2'-0"	1'-1"		-			0'-9"	 	-+	0'-9"			_
AE23	2					1'-3"			-	-		8'-6"	+		2'-9"			_
AE23				ROM 0'-11" TO		⊢ `	 ` 		-			3-0	- +	-+				_
				1										-+				_
ALZS		RS =		154	lb									$\neg \uparrow$				
SUBTOTAL	PLAIN BA					1					1					1		
				121	מו	I												
SUBTOTAL				121	di di	<u> </u>		l	<u> </u>				L					
SUBTOTAL SUBTOTAL	EPOXY B		AI TFI	RED BY:	ID	l		l	l									

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

H H₁

 H_2

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D

F

G

MARK	NO.	LENGTH	TYPE	WEIGHT	Α	В	С	D	E	F	G	H H₁	H ₂	J	K K₁	K ₂	L	0	R
PLACEM	ENT 3 -	STAGE 2 FO	OTING																
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		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		2	•	0'-10"	12'-8"													
5AE41		DIMENSION "B	" VARIES F	ROM 11'-6" TO 1	13'-9"														
SUBTOTAL	. PLAIN BA	ARS =		5,600	lb														
SUBTOTAL	EPOXY B	ARS =		115	lb														
		WINGWALL																	
5AE45	6	10'-1"	N1	63														10'-1"	
5AE45 5AE46		10'-1" 6'-3"	N1 N1	13														10'-1" 6'-3"	
5AE45 5AE46 5AE46	6 2	10'-1" 6'-3" DIMENSION "O	N1 N1 " VARIES F	13 ROM 3'-10" TO 8	3'-9"													6'-3"	
5AE45 5AE46 5AE46 5A47	6	10'-1" 6'-3" DIMENSION "O 9'-5"	N1 N1 " VARIES F	13 ROM 3'-10" TO 8 59	3'-9"													6'-3" 9'-5"	
5AE45 5AE46 5AE46 5AE47 5A48	6 2	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8"	N1 N1 " VARIES F N1 N1	13 ROM 3'-10" TO 8 59 12														6'-3"	
5AE45 5AE46 5AE46 5A47 5A48 5A48	6 2 6 2	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8" DIMENSION "O	N1 N1 " VARIES F N1 N1 " VARIES F	13 ROM 3'-10" TO 8 59 12 ROM 3'-2" TO 8'		41.0"	41.41					0' 0"			01.01			6'-3" 9'-5"	
5AE45 5AE46 5AE46 5A47 5A48 5A48 5AE49	6 2 6 2 2	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8" DIMENSION "O 2'-1"	N1 N1 " VARIES F N1 N1 " VARIES F	13 ROM 3'-10" TO 8 59 12 ROM 3'-2" TO 8'		1'-0"	1'-1"					0'-9"			0'-9"			6'-3" 9'-5" 5'-8"	
5AE45 5AE46 5AE46 5A47 5A48 5A48 5AE49 5A50	6 2 6 2	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8" DIMENSION "O 2'-1" 11'-4"	N1 N1 " VARIES F N1 N1 " VARIES F N12	13 ROM 3'-10" TO 8 59 12 ROM 3'-2" TO 8' 21		1'-0"	1'-1"					0'-9"			09			6'-3" 9'-5" 5'-8"	
5AE45 5AE46 5AE46 5A47 5A48 5A48 5AE49 5A50	6 2 6 2 2	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8" DIMENSION "O 2'-1" 11'-4"	N1 N1 " VARIES F N1 N1 " VARIES F N12	13 ROM 3'-10" TO 8 59 12 ROM 3'-2" TO 8 21 12 73	-1"	1'-0"	1'-1"					0'-9"			0'-9"			6'-3" 9'-5" 5'-8"	
5AE45 5AE46 5AE46 5A47 5A48 5A48 5AE49 5A50 5A51	6 2 6 2 2	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8" DIMENSION "O 2'-1" 11'-4" 10'-0" DIMENSION "O	N1 N1 " VARIES F N1 N1 " VARIES F N12 N1 N1	13 ROM 3'-10" TO 8 59 12 ROM 3'-2" TO 8' 21 12 73 ROM 8'-9" TO 1	-1"													6'-3" 9'-5" 5'-8"	
5AE45 5AE46 5AE46 5A47 5A48 5A48 5A49 5AE49 5A50 5A51 5A51	66 22 66 22 10 11 7	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8" DIMENSION "O 2'-1" 11'-4" 10'-0" DIMENSION "O	N1 N1 " VARIES F N1 " VARIES F N12 N1 " VARIES F	13 ROM 3'-10" TO 8 59 12 ROM 3'-2" TO 8' 21 12 73 ROM 8'-9" TO 1'	-1"	2'-0"	1'-1"					0'-9"			0'-9"			6'-3" 9'-5" 5'-8"	
5AE45 5AE46 5AE46 5A47 5A48 5A48 5AE49 5A50 5A51 5AE51 5AE52 5AE53	6 2 6 2 2	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8" DIMENSION "O 2'-1" 11'-4" 10'-0" DIMENSION "O 3'-1" 10'-1"	N1 N1 " VARIES F N1 N1 " VARIES F N12 N1 " VARIES F N12 N12	13 ROM 3'-10" TO 8 59 12 ROM 3'-2" TO 8' 21 12 73 ROM 8'-9" TO 1'	-1"													6'-3" 9'-5" 5'-8"	
5AE45 5AE46 5AE46 5A47 5A48 5A48 5AE49 5A50 5A51	66 22 66 22 10 11 7	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8" DIMENSION "O 2'-1" 11'-4" 10'-0" DIMENSION "O 3'-1" 10'-1"	N1 N1 " VARIES F N1 N1 " VARIES F N12 N1 " VARIES F N12 N12	13 ROM 3'-10" TO 8 59 12 ROM 3'-2" TO 8' 21 12 73 ROM 8'-9" TO 1'	-1"	2'-0"	1'-1"					0'-9"			0'-9"			6'-3" 9'-5" 5'-8"	
5AE45 5AE46 5AE46 5A47 5A48 5A48 5AE49 5A50 5A51 5AE51 5AE52 5AE53	6 2 6 2 10 11 7	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8" DIMENSION "O 2'-1" 11'-4" 10'-0" DIMENSION "O 3'-1" 10'-1" DIMENSION "B	N1 N1 " VARIES F N1 N1 " VARIES F N12 N1 " VARIES F N12 N12	13 ROM 3'-10" TO 8 59 12 ROM 3'-2" TO 8' 21 12 73 ROM 8'-9" TO 1'	-1"	2'-0"	1'-1"					0'-9"			0'-9"			6'-3" 9'-5" 5'-8"	
5AE45 5AE46 5AE46 5A47 5A48 5A48 5AE49 5A50 5A51 5A51 5AE51 5AE52 5AE52	6 2 6 2 10 11 7 7 1 2 2 PLAIN BA	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8" DIMENSION "O 2'-1" 11'-4" 10'-0" DIMENSION "O 3'-1" 10'-1" DIMENSION "B	N1 N1 " VARIES F N1 N1 " VARIES F N12 N1 " VARIES F N12 N12	13 ROM 3'-10" TO 8' 59 12 ROM 3'-2" TO 8' 21 12 73 ROM 8'-9" TO 1' 3 21 ROM 0'-10" TO 1	-1" 11-3"	2'-0"	1'-1"					0'-9"			0'-9"			6'-3" 9'-5" 5'-8"	
5AE45 5AE46 5AE46 5A47 5A48 5A48 5AE49 5A50 5A51 5A51 5AE52 5AE53 5AE53	6 2 6 2 10 11 7 7 1 2 2 PLAIN BA	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8" DIMENSION "O 2'-1" 11'-4" 10'-0" DIMENSION "O 3'-1" 10'-1" DIMENSION "B	N1 N1 " VARIES F N1 N1 " VARIES F N12 N1 " VARIES F N12 N12	13 ROM 3'-10" TO 8 59 12 ROM 3'-2" TO 8' 21 12 73 ROM 8'-9" TO 1' 3 21 ROM 0'-10" TO 1	-1" 11-3"	2'-0"	1'-1"					0'-9"			0'-9"			6'-3" 9'-5" 5'-8"	
5AE45 5AE46 5AE46 5A47 5A48 5A48 5AE49 5A50 5A51 5A51 5AE52 5AE53 5AE53 SUBTOTAL	6 2 2 10 11 7 7 1 2 2 PLAIN BA	10'-1" 6'-3" DIMENSION "O 9'-5" 5'-8" DIMENSION "O 2'-1" 11'-4" 10'-0" DIMENSION "O 3'-1" 10'-1" DIMENSION "B	N1 N1 " VARIES F N1 " VARIES F N12 N1 " VARIES F N12 " VARIES F	13 ROM 3'-10" TO 8 59 12 ROM 3'-2" TO 8' 21 12 73 ROM 8'-9" TO 1' 3 21 ROM 0'-10" TO 1 156 121	-1" 11-3"	2'-0"	1'-1"					0'-9"			0'-9"			6'-3" 9'-5" 5'-8"	

PIN 7753.77

REGION: 7

UTILITY QUALITY LEVEL 'D'

NOBLE STREET OVER WEST CREEK

VILLAGE OF EVANS MILLS

COUNTY: JEFFERSON

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.

BRIDGES BIN 3371810

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BAR LIST

JEFFERSON COUNTY HIGHWAY DEPARTMENT

CONTRACT NUMBER

D040965

DRAWING NO. ST-26 SHEET NO. 70

K. ALBERTS S. ROMEISER ing\Plan Set\ST-27 Bar List.dgn

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

MARK	NO.	LENGTH	TYPE	WEIGHT	Α	В	С	D	E	F	G	H H₁	H ₂	J	K K ₁	K ₂	L	O	R
LEFT HE	 	 																	
LEF! HE	ADWAL	_																	
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	DI AIN B	De -			IIs														
SUBTOTAL				521	lb lb														
OODIOTAL		1.0		021	1.0														
CENTER	HEADW	/ALL																	
5SE1	6	40'-11"	N1	256											 			40'-11"	
5SE2	2		N1															40'-9"	
6SE3	38		17			0'-10"	0'-11"												
6SE4	40		17			0'-10"	1'-0"	-											
6SE5	6		17			0'-10"	0'-10"		<u> </u>			4, 4,						01.00	
5SE6	63	9'-0"	S11	591								4'-4"						0'-6"	
SUBTOTAL	PLAIN BA	RS =		0	lb														
SUBTOTAL				1,157															
				·															
RIGHT H	IEADWA	LL																	
5SE1	8	38'-8"	N1	323														38'-8"	
6SE3	48																		
6SE4	20		17			0'-10"	0'-11"												
6SE5	12		17			0'-10"	0'-10"												
5SE6	59	9'-0"	S11	554								4'-4"						0'-6"	
SUBTOTAL	DI AIN D	De -			lb									<u> </u>					
SUBTOTAL				1,092															
				,															
		HEADWALLS =					0	lb		DED IN I									
TOTAL EPO	OXY BARS	- HEADWALLS	=				2,770	lb	(INCLU	DED IN I	TEM 556	.0202)							
LEFT BA	RRIER																		
EDE4	_	401.441	N14	040														401 4411	
5BE1 5BE2	5	40'-11" 40'-9"	N1 N1											<u> </u>				40'-11" 40'-9"	
5BE3	63		S11						-			1'-8"	<u> </u>	<u> </u>	-	<u> </u>		0'-6"	
SUBTOTAL	. PLAIN BA	ARS =		0	lb														
SUBTOTAL	EPOXY B	ARS =		624	lb														
RIGHT B	ARRIER																		
EDE4		38'-8"	N1	363	<u> </u>	\vdash			<u> </u>					<u> </u>	<u> </u>			38'-8"	
5BE1 5BE3	9 59		N1 S11			\vdash			 			1'-8"		 	 			0'-6"	
-5520	<u> </u>	"	511									 ``							
SUBTOTAL	PLAIN BA	RS =		0	lb														
SUBTOTAL				589															
	L																		
		BARRIER =						lb	_	DED IN I									
TOTAL EPO	DAT BARS	- BARRIER =			<u> </u>		1,213	ID	KINCLO	DED IN I	I ⊑IVI 569	.03)	l	l		l			

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

MARK	NO.	LENGTH	TYPE	WEIGHT	Α	В	С	D	E	F	G	H H₁	H ₂	J	K K ₁	K ₂	L	0	R
LEFT SIDEWALK																			
5SE1	9	41'-4"	N1															41'-4"	
5SE2 5SE2	2	41'-7" DIMENSION "0	N1 " VARIES FI	87 ROM 41'-5" TO 4														41'-7"	
5SE3 5SE3	46		N1	432 ROM 8'-4" TO 9'														9'-0"	
33E3		DIWIENSION 0	VARIES FI	KOW 6-4 10 9	-0														
SUBTOTAL PLAIN BARS =				0	lb														
SUBTOTAL	SUBTOTAL EPOXY BARS =			907	lb														
RIGHT S	IDEWAL	K																	
5SE1	7	38'-8"	N1	282														38'-8"	
5SE2	4	28'-11"	N1															28'-11"	
5SE2		DIMENSION "0	" VARIES FI	ROM 19'-0" TO 3	38'-9"														
5SE3	40		N1															7'-10"	
5SE3		DIMENSION "0	" VARIES FI	ROM 6'-7" TO 9' I	-1"														
SUBTOTAL	PLAIN BA	RS =		0	lb														
SUBTOTAL	SUBTOTAL EPOXY BARS =			729	lb														
		SIDEWALK =						lb	(INCLU										
TOTAL EPO	OXY BARS	- SIDEWALK =					1,636	lb	(INCLU	DED IN I	TEM 557	.30)							

PIN 7753.77

REGION: 7

UTILITY QUALITY LEVEL 'D'

NOBLE STREET OVER WEST CREEK

VILLAGE OF EVANS MILLS

COUNTY: JEFFERSON

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BRIDGES BIN 3371810

CULVERTS

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BAR LIST

JEFFERSON COUNTY HIGHWAY DEPARTMENT

CONTRACT NUMBER

D040965

DRAWING NO. ST-27 SHEET NO. 71