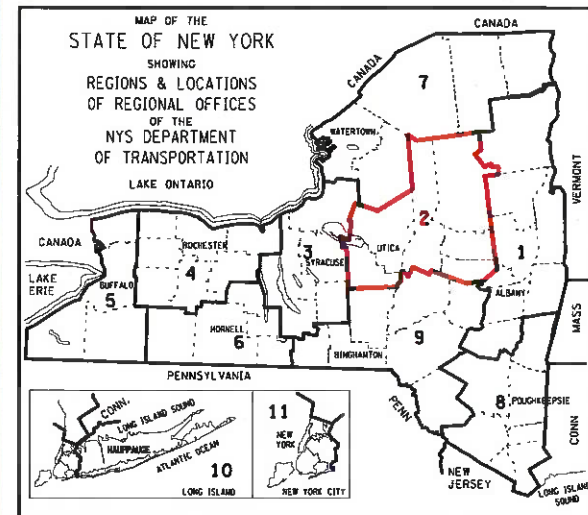


D265331

D265331



**Department of
Transportation**

**LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS
CONTRACT 3 - SITES 1, 3, 4, AND 6**

PIN 2LC1.12 D265331

**TOWNS OF SULLIVAN AND GEORGETOWN, MADISON COUNTY
TOWNS OF AUGUSTA AND NEW HARTFORD, ONEIDA COUNTY
F.A. PROJECT**

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE DEPARTMENT, WHICH ARE CURRENT AS OF THE STANDARD SPECIFICATIONS ADOPTION DATE SHOWN ON THE PROPOSAL COVER, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEETS 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 (AS CUSTOMARY) REFERENCED IN THE CONTRACT PROJECT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR BY CHANGES SET FORTH IN THE CONTRACT PROJECT "PROPOSAL."

CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYSOT POLICIES AND GUIDELINES AND THE FINAL DESIGN REPORT APPROVED ON 11/17/2023 (SITE 4 - PIN 2LC1.01) AND 04/01/2024 (SITES 1, 3, AND 6 - PIN 2LC1.11)

QUALITY CONTROLLED BY:
David Sadekoski 7/25/24
DAVID SADEKOSKI, P.E. DATE

**Barton
& Loguidice**

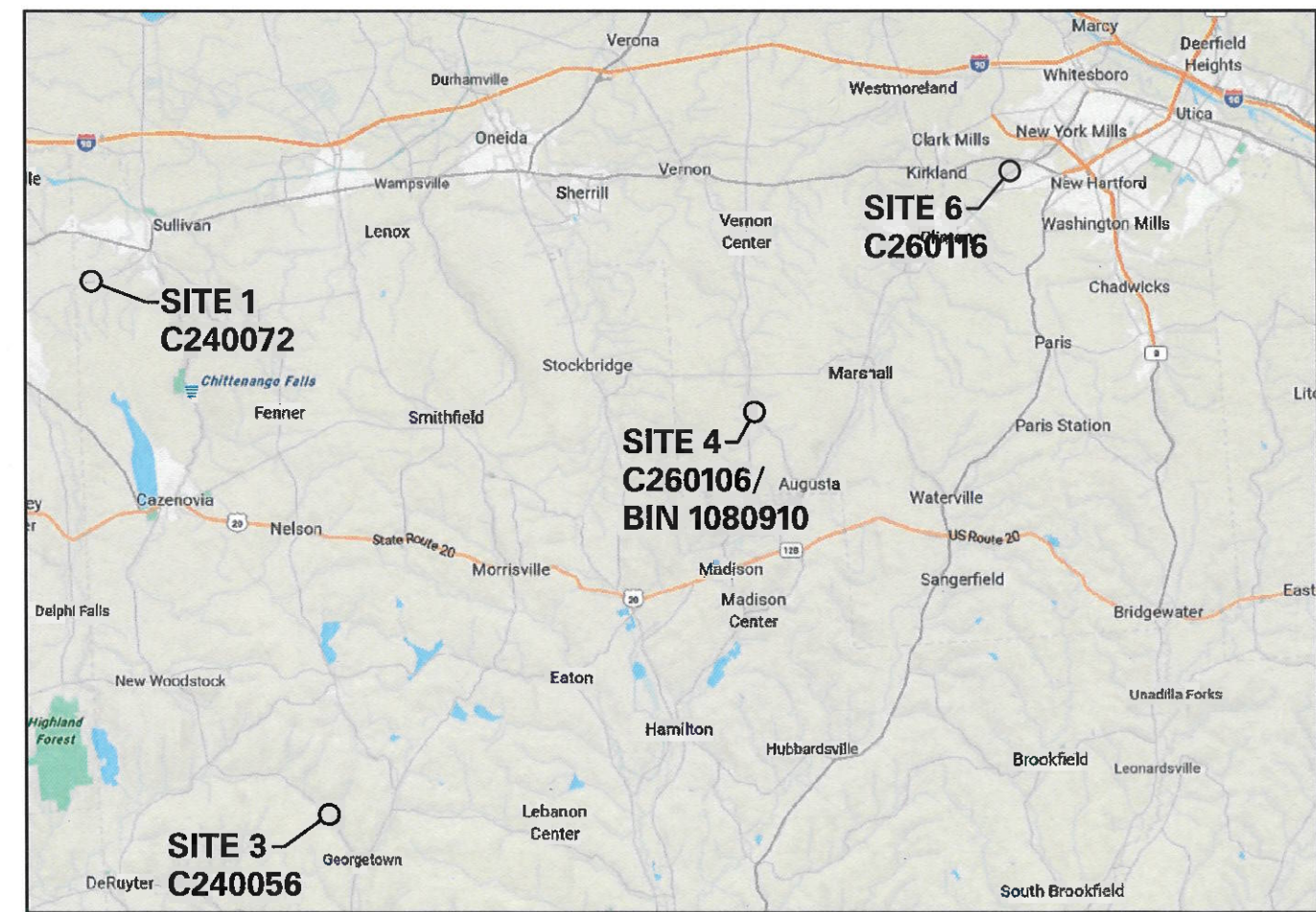
PREPARED AND RECOMMENDED BY:

07/24/2024
MATTHEW J. SCHOOLEY, P.E.
N.Y.S. P.E. LICENSE NO. 069983

LARGE CULVERT REPLACEMENT PROJECT		
SH: 506, 8374, 369, 54-2		
SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD		
COUNTRIES: MADISON, ONEIDA		
FED. ROAD REG. NO.	STATE	SHEET NO.
1	N.Y.	1
CAPITAL PROJECT IDENTIFICATION NO. 2LC1.12		

INDEX ON SHEET NO. 2 **D265331**

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



PROJECT SITES
(SEE DWG. LM-1 FOR DETAILED SITE LOCATIONS)

RECOMMENDED BY
Brian Hoffmann 7/25/2024
REGIONAL DESIGN ENGINEER DATE
BRIAN HOFFMANN, P.E.

RECOMMENDED BY
Christopher Langett P.E. 7/25/24
REGIONAL CONSTRUCTION ENGINEER DATE
CHRISTOPHER LANGETT, P.E.

RECOMMENDED BY
Michael Pawloski 7/25/24
REGIONAL DIRECTOR OF OPERATIONS DATE
MICHAEL PAWLOSKI, P.E.

RECOMMENDED BY
Michael Gallerani 7/25/2024
REGIONAL TRAFFIC ENGINEER DATE
MICHAEL GALLERANI, P.E.

APPROVED BY
Linda Lubey 7/25/24
REGIONAL DIRECTOR DATE
LINDA LUBEY, P.E.

D265331

FILE NAME = 7/24/2024
DATE/TIME USER = ft

DESIGN SUPERVISOR M. SCHOOLEY
JOB MANAGER B. TREMBLAY
DESIGN D. KINSMAN
CHECK M. PATTERSON
DRAFTING P. ZIARKO/M. KROWICKI
CHECK G. WEHRE
PROJECT MANAGER W. FINCH

ALIGNMENT		TOPOGRAPHY (MISCELLANEOUS)	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AH	AHEAD	ABUT	ABUTMENT
AZ	AZIMUTH	AOBE	AS ORDERED BY ENGINEER
BK	BACK	ASPH	ASPHALT
B	BASELINE	BDY	BOUNDARY
BRG	BEARING	BLDG	BUILDING
C	CENTERLINE	BM	BENCH MARK
CS	CURVE TO SPIRAL	CC	CENTER TO CENTER
e	SUPERELEVATION RATE (CROSS SLOPE)	CONC	CONCRETE
EQ	EQUALITY	CONST	CONSTRUCTION
EXT	EXTERNAL	CR	COUNTY ROAD
HCL	HORIZONTAL CONTROL LINE	D	DEED DISTANCE
HSD	HEADLIGHT SIGHT DISTANCE	DM	DIRECT MEASUREMENT
L	LENGTH OF CIRCULAR CURVE	DWY	DRIVEWAY
LS	LENGTH OF SPIRAL	EP	EDGE OF PAVEMENT
LVC	LENGTH OF VERTICAL CURVE	ES	EDGE OF SHOULDER
E	CENTER CORRECTION OF VERTICAL CURVE	FEE	FEE ACQUISITION
M	MAIN LINE	FEE WO/A	FEE ACQUISITION WITHOUT ACCESS
PC	POINT OF CURVATURE	FP	FENCE POST
PI	POINT OF INTERSECTION	FD	FOUNDATION
POL	POINT ON LINE	FL	FENCE LINE
PSD	PASSING SIGHT DISTANCE	GAR	GARAGE
PT	POINT OF TANGENT	GR	GRAVEL
PVC	POINT OF VERTICAL CURVE	HO	HOUSE
PVI	POINT OF VERTICAL INTERSECTION	HWY	HIGHWAY
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE
R	RADIUS	MB	MAILBOX
SC	SPIRAL TO CURVE	MON	MONUMENT
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND
STA	STATION	O/H	OVERHEAD
T	TANGENT LENGTH	P	PARCEL
TGL	THEORETICAL GRADE LINE	PAV'T	PAVEMENT
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE
TOPOGRAPHY (DRAINAGE)			
BB	BOTTOM OF BANK (STREAM)	P	PROPERTY LINE
BC	BOTTOM OF CURB	POR	PORCH
BO	BOTTOM OF OPENING	RR	RAILROAD
CAP	CORRUGATED ALUMINUM PIPE	RTE	ROUTE
CB	CATCH BASIN	ROW	RIGHT OF WAY
CIP	CAST IRON PIPE	RW	RETAINING WALL
C STRM	CENTERLINE OF STREAM	SH	STATE HIGHWAY
CMP	CORRUGATED METAL PIPE	SHLDR	SHOULDER
CP	CONCRETE PIPE	SPK	SPIKE
CSP	CORRUGATED STEEL PIPE	ST	STREET
CULV	CULVERT	STK	STAKE
DIA	DIAMETER	STY	STORY
DMH	DRAINAGE MANHOLE	SW	SIDEWALK
DS	DRAINAGE STRUCTURE PIPE	TE	TEMPORARY EASEMENT
D'XING	DITCH CROSSING	TO	TEMPORARY OCCUPANCY
EHW	EXTREME HIGH WATER	U/G	UNDERGROUND
EL	ELEVATION	WW	WING WALL
ELEV	ELEVATION		
ELW	EXTREME LOW WATER		
ES	END SECTION		
HW	HEADWALL		
INV	INVERT		
MH	MANHOLE		
MHW	MEAN HIGH WATER		
OHW	ORDINARY HIGH WATER		
OLW	ORDINARY LOW WATER		
RCP	REINFORCED CONCRETE PIPE		
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE		
TB	TOP OF BANK (STREAM)		
TC	TOP OF CURB		
TG	TOP OF GRATE		
VCP	VITRIFIED CLAY PIPE		

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

ABBR.	DESCRIPTION
DA	2 1/4 INCHES CASED DRILL HOLE
DM	DRILLING MUD
DN	4 INCHES CASED DRILL HOLE
FH	HOLLOW FLIGHT AUGER
PA	POWER AUGER
PH	PROBE
PT	PERCOLATION TEST HOLE
RP	1 INCH SAMPLER (RETRACTABLE PLUG)
SP	SEISMIC POINT
TP	TEST PIT

REPLACE ABBREVIATION "AB" WITH:

AH	HAND AUGER
CP	CONE PENETROMETER
DA	2 1/4 INCHES CASED DRILL HOLE
DM	DRILLING MUD
DN	4 INCHES CASED DRILL HOLE
FH	HOLLOW FLIGHT AUGER
PA	POWER AUGER
PH	PROBE
PT	PERCOLATION TEST HOLE
RP	1 INCH SAMPLER (RETRACTABLE PLUG)
SP	SEISMIC POINT
TP	TEST PIT

ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:

B	BRIDGE
C	CUT
D	DAM
F	FILL
K	CULVERT
W	WALL
X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE

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

TOTAL NUMBER OF SHEETS		111
INDEX OF 11x17 DRAWINGS		
SHEET NO.	DESCRIPTION	DRAWING NUMBER
1	TITLE SHEET	COV-01
2	INDEX AND ABBREVIATIONS	IND-01
3-4	LEGEND SHEETS	LEG-01 TO LEG-02
5	ELECTRONIC FILES IDENTIFIED AS PLANS	ELE-01
6	LOCATION MAPS	LM-1
7	GENERAL NOTES	GN-1
8	EROSION CONTROL NOTES	ECN-1
9-34	WORK ZONE TRAFFIC CONTROL	WZTC1-1 TO WZTC 6-9
35-38	BASELINE TIES AND BENCHMARKS	BLT1-1 TO BLT 6-1
39-42	MAINTENANCE JURISDICTION PLANS	MJP1-1 TO MJP6-1
43-45	MISCELLANEOUS DETAILS	MSD-1 TO MSD-3
46	MISCELLANEOUS TABLES	MT-1
47	EARTHWORK SUMMARY SHEET	ESS-1
48-51	RAILING DETAILS	RL-1 TO RL-4
SITE 1 - C240072		
52-53	TYPICAL SECTIONS	TS1-1 TO TS1-2
54	GENERAL PLAN	PL1-1
55	UTILITY PLAN	UP1-1
56	PAVEMENT MARKING AND RAILING LAYOUT	PM1-1
57	EROSION CONTROL PLAN	ECP1-1
58-66	CULVERT PLANS	ST1-1 TO ST1-9
67-68	MISCELLANEOUS DETAILS	MSD1-1 TO MSD1-2
SITE 3 - C240056		
69	TYPICAL SECTIONS	TS3-1
70	GENERAL PLAN	PL3-1
71	RAILING LAYOUT AND SIGNING PLAN	PM3-1
72	EROSION CONTROL PLAN	ECP3-1
73-78	CULVERT PLANS	ST3-1 TO ST3-6
79-80	MISCELLANEOUS DETAILS	MSD3-1 TO MSD3-2
SITE 4 - C260106/BIN 1080910		
81-83	TYPICAL SECTIONS	TS4-1 TO TS4-3
84	GENERAL PLAN	PL4-1
85	PAVEMENT MARKING AND RAILING LAYOUT	PM4-1
86	EROSION CONTROL PLAN	ECP4-1
87-94	BRIDGE PLANS	ST4-1 TO ST4-8
95-96	MISCELLANEOUS DETAILS	MSD4-1 TO MSD4-2
SITE 6 - C260116		
97	TYPICAL SECTIONS	TS6-1
98	GENERAL PLAN	PL6-1
99-100	UTILITY DETAILS	UD6-1 TO UD6-2
101	UTILITY PLAN	UP6-1
102	PAVEMENT MARKING PLAN	PM6-1
103	EROSION CONTROL PLAN	ECP6-1
104-111	CULVERT PLANS	ST6-1 TO ST6-8

HIGHWAY INDEX OF ELECTRONIC FILES IDENTIFIED AS PLANS		
DESCRIPTION	DIGITAL DATA ¹	SUPPLEMENTAL INFORMATION ²
HORIZONTAL ALIGNMENT DATA (ROADWAY, STREAM AND STRUCTURE WORKING LINE)	D265331_FEA_RWY_ALG_Site 1.XML	2LC112_RPT_HORIZONTAL.PDF
	D265331_FEA_CRK_ALG_Site 1.XML	
	D265331_FEA_RWY_ALG_Site 3.XML	
	D265331_FEA_CRK_ALG_Site 3.XML	
	D265331_FEA_WRK_ALG_Site 3.XML	
	D265331_FEA_RWY_ALG_Site 4.XML	
	D265331_FEA_CRK_ALG_Site 4.XML	
	D265331_FEA_WRK_ALG_Site 4.XML	
	D265331_FEA_RWY_ALG_Site 6.XML	
	D265331_FEA_CRK_ALG_Site 6.XML	
HIGHWAY PROFILES & SUPERELEVATION, STREAM PROFILES	D265331_FEA_RWY_ALG_Site 1.XML	2LC112_RPT_PROFILES.PDF
	D265331_FEA_CRK_ALG_Site 1.XML	
	D265331_FEA_RWY_ALG_Site 3.XML	
	D265331_FEA_WRK_ALG_Site 4.XML	
	D265331_FEA_SUPER_SITE 3.XLS	
	D265331_FEA_SUPER_SITE 4.XLS	

1. REFER TO D265331_R2_ELECTRONIC FILES FOR PLANS.ZIP FOR DIGITAL DATA FILES
 2. REFER TO D265331_SUPPLEMENTAL INFORMATION, SECTION 11 FOR SUPPLEMENTAL INFORMATION.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	DRAWING NO. IND-1	SHEET NO. 2
	CONTRACT 3				ALL SITES INDEX AND ABBREVIATIONS			
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2							
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD							
	COUNTY: MADISON, ONEIDA	REGION: 2						

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.

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

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
4. PROPOSED FEATURE SYMBOLGY IS IDENTICAL TO EXISTING FEATURE SYMBOLGY 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 SYMBOLGY (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.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LCL12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	CONTRACT 3					D265331	
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2					DRAWING NO. LEG-1	
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD					SHEET NO. 3	
	COUNTY: MADISON, ONEIDA	REGION: 2					

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NEW YORK STATE OF OPPORTUNITY
Department of Transportation

ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			UTILITIES					
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION			
⊗	ACC	CENTER OF CURVATURE	+	DINV	INVERT	⊗	IANT_P	ANTENNAS	⊕	MDL1P	DEED LINE, TYPE 1	⊕	S	SINGLE POST	⊕	UEB	ELECTRIC, BOX			
+	ACOGO	COGO	▢	DS	STRUCTURE, RECTANGULAR	⊕	IASCTS	ACCOU. SPEED/COUNT SNSR.S	⊕	MDL2P	DEED LINE, TYPE 2	⊕	S.P	SINGLE POST, PROPOSED	⊕	UEM	ELECTRIC, METER			
⊙	ACS	CURVE TO SPIRAL	+	DSI	STRUCTURE, INVERT	⊕	ICABPAD	CABINET & PAD	⊕	MDL3P	DEED LINE, TYPE 3	⊕	SB.P	BACK TO BACK, PROPOSED	⊕	UEMH	ELECTRIC, MANHOLE			
△	ADPI.P	DETOUR, POINT OF INTERSECT.	⊙	DSM	STRUCTURE, MANHOLE	⊕	ICCTV	CCTV SITE	⊕	MDL4P	DEED LINE, TYPE 4	⊕	SDEL	DELINEATORS	⊕	UEPT	ELECTRIC, POLE, TRANS.			
⊙	ADPL.P	DETOUR, POINT ON LINE	⊗	DSMTXX.P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96	⊕	ICDPD	CDPD TRANSCEIVER	⊕	MDL5P	DEED LINE, TYPE 5	⊕	SPM	PARKING METER	⊕	UGM	GAS, METER			
⊙	AEQN	EQUATION	⊗	DSR	STRUCTURE, ROUND	⊕	ICELLT	CELL PHONE TOWER	⊕	MEEP	EASEMENT, EXISTING	⊕	SRM	REFERENCE MARKERS	⊕	UGMH	GAS, MANHOLE			
⊙	AEQNAHD	EQUATION AHEAD	⊗	DST"X"CB.P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊕	ICJB	CONDUIT JACK OR BORING	⊕	MEPAP.P	EASEMENT, PERM., APPROX.	⊕	SRSC3	SHLD, CTY, 123 DIG.	⊕	UGLM	GAS, LINE MARKER			
⊙	AEQNBK	EQUATION BACK	⊗	DST"X".P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U	⊕	ICNTLCAB	CONTROLLER CABINET	⊕	MEPP.P	EASEMENT, PERM., BACK LINE	⊕	SRSC4	SHLD, CTY, 4 DIG.	⊕	UGP	GAS/FUEL PUMP			
⊙	AEVT	EVENT STATION	ENVIRONMENTAL			⊕	ICPB	COMMUNICATION PULL BOX	⊕	MEPSP.P	EASEMENT, PERM., SHAPE	⊕	SRSC2	SHLD, CTY TOUR, 1-2 DIG.	⊕	UGV	GAS, VALVE			
⊙	APC	POINT OF CURVATURE				⊕	ICTD	CONDUIT TURNING DOWN	⊕	MFAP.P	FEE ACQUISITION, APPROX.	⊕	SRSC4	SHLD, CTY TOUR, 3-4 DIG.	⊕	UGVT	GAS, VENT			
⊙	APCC	POINT OF COMPOUND CURVATURE	⊕	ICTU	CONDUIT TURNING UP	⊕	MF.P	FEE ACQUISITION, BACK LINE	⊕	SRSI	SHLD, INTERSTATE	⊕	ULP	LIGHTING, POLE	⊕	ULPM	LIGHTING, POLE, MEDIAN			
△	API	POINT OF INTERSECTION	⊕	ICVTRT	COMM. VEH. ROAD TRANSCEIVER	⊕	MFSP.P	FEE ACQUISITION, SHAPE	⊕	SRSN2	SHLD, NATIONAL, 2 DIG.	⊕	ULPP	LIGHTING, POLE, PED.	⊕	ULPP	LIGHTING, POLE, PED.			
△	APOB	POINT OF BEGINNING	+	IDEFAULT	DEFAULT	⊕	MHBAP	HIGHWAY BNDRY., APPROX.	⊕	SRSN3	SHLD, NATIONAL, 3 DIG.	⊕	UMFC	MISC. FILLER CAP	⊕	UOLM	OIL, LINE MARKER			
⊙	APOC	POINT OF CURVATURE	⊕	IEZR	E-ZPASS READER	⊕	MHBCP	HISTORICAL, BLDG. CORNERS	⊕	SRSS2	SHLD, STATE, 2 DIG.	⊕	UP	POLE, WITH UTILITY	⊕	UPD	POLE, DEAD (NO UTILITY)			
△	APOE	POINT OF END	⊕	IEZTR	TRANSMITTAL READER	⊕	MHBP	HIGHWAY BNDRY, PT.	⊕	SRSS3	SHLD, STATE, 3 DIG.	⊕	UPD	POLE, WITH LIGHT	⊕	USMH	SANITARY SEWER MANHOLE			
⊙	APOL	POINT ON LINE	⊕	IFOXCAB	FIBER OPTIC X-CONNECT CABINET	⊕	MJCP	PT., JURIS. CITY	⊕	SRSS4	SHLD, STATE, 4 DIG.	⊕	UTB	TELEPHONE, BOOTH	⊕	UTLM	TELEPHONE, LINE MARKER			
⊙	APOS	POINT ON SPIRAL	⊕	IFUSSPL	FUSION SPLICE	⊕	MPBC	PT., BUILDING CORNER	TRAFFIC CONTROL			⊕	UTMH	TELEPHONE, MANHOLE	⊕	UTVLM	CABLE TV, LINE MARKER			
⊙	APOT	POINT ON TANGENT	⊕	IHARADV	HAR ADVISORY SIGN	⊕	MPC	PT., CROSS CUT	⊕	TCBJ	BOX, JUNCTION	⊕	UTVLM	CABLE TV, LINE MARKER	⊕	UTVPB	CABLE TV, PULL BOX			
△	APOVC	POINT ON VERTICAL CURVE	⊕	IHARST	HAR SITE	⊕	MPDH	PT., DRILL HOLE	⊕	TCBP	BOX, PULL BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
△	APOVT	POINT ON VERTICAL TANGENT	⊕	ILC	LOAD CENTER	⊕	MPF	PT., FENCE LOCATION	⊕	TCBS	BOX, SPLICE	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
Y	APORC	POINT ON REVERSE CURVE	⊕	IMECSPL	MECHANICAL SPLICE	⊕	MPIP	PT., IRON PIPE	⊕	TCMC	MICROCOMPUTER CABINET	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	APT	POINT OF TANGENCY	⊕	IMSCS	PORT. SPEED & COUNT SENSOR	⊕	MPIR	PT., IRON ROD	⊕	TCPP	PED POLE	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	APVC	POINT OF VERTICAL CURVATURE	⊕	IMSCS	MICRO SPEED & COUNT SENSOR	⊕	MPM	PT., MONUMENT	⊕	TCSH	SIGNAL HEADS	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
△	APVCC	POINT OF VERT. CMPND CURVE	⊕	IMT	MICROWAVE TRANSCEIVER	⊕	MPMM	PT., MONUMENT, MISC.	⊕	TCSP	SIGNAL POLE	TRAFFIC WORK ZONE			⊕	UUB	UNKNOWN, BOX			
⊙	APVI	POINT OF VERT. INTERSECTION	⊕	IOVHMS	PERM. OVERHEAD VMS	⊕	MPN	PT., NAIL	⊕	TWZAP.P	ARROW PANEL	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
△	APVRC	POINT OF VERT. REVERSE CURVE	⊕	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	⊕	MPRS	PT., RAILROAD SPIKE	⊕	TWZAPC.P	ARROW PANEL, CAUTION MODE	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	APVT	POINT OF VERTICAL TANGENCY	LANDSCAPE			⊕	MPSP	PT., SPIKE	⊕	TWZAPT.P	ARROW PANEL, TRAILER OR SUPPORT	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	ASC	SPIRAL TO CURVE	+	LELS	ELEVATION, SPOT	⊕	MPST	PT., STAKE	⊕	TWZBDC.P	BARRICADE (TYPE III)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
△	ASPI	SPIRAL POINT OF INTERSECTION	⊕	LFP	FLAG POLE	⊕	MPTW	PT., TREE W/ WIRE	⊕	TWZCMS.P	CHANGEABLE MESSAGE SIGN (PVMS)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	ASTS	SPIRAL TO SPIRAL	⊕	LMB	MAILBOX	⊕	MPWL	PT., WALL LOCATION	⊕	TWZFLG.P	FLAGGER	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊗	AST	SPIRAL TO TANGENT	⊕	LPB	PAPER BOX	ROW ACQUISITION			⊕	TWZFT.P	FLAG TREE	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊗	ATS	TANGENT TO SPIRAL	⊕	LPST	POST, SINGLE	⊕	MFS.P.T	FEE ACQUISITION	⊕	TWZIA.P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
△	AVEVT	VERTICAL EVENT POINT	⊕	LRB	ROCK, BOULDER	⊕	MEPS.P.T	EASEMENT, PERMANENT	⊕	TWZLUM.P	LUMINAIRE (TEMPORARY)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	AVHIGH	VERTICAL HIGH POINT	⊕	LSHC	SHRUB, CONIFEROUS	⊕	METS.P.T	EASEMENT, TEMPORARY	⊕	TWZLUM.P	LUMINAIRE (TEMPORARY)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	AVLOW	VERTICAL LOW POINT	⊕	LSHD	SHRUB, DECIDUOUS	⊕	METS.P.T	OCCUPANCY, TEMPORARY	⊕	TWZSDT.P	SYMBOL, DIRECTION OF TRAFFIC	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
BRIDGE			⊕	LTC	TREE, CONIFEROUS	⊕	METS.P.T	OCCUPANCY, TEMPORARY	⊕	TWZSDT.P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊕	BSC	BRIDGE, SCUPPER	⊕	LTD	TREE, DECIDUOUS	⊕	MFS.P.T	FEE ACQUISITION W/O ACCESS	⊕	TWZSGN.P	SIGN (TEMPORARY)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
CONTROL			⊕	LTS	TREE, STUMP	ROADWAY			⊕	TWZSIG.P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
△	CBP	BASELINE, POINT	+	LTW.P	TREE, WELL OR WALL	⊕	RES.P	ELEVATION, SPOT	⊕	TWZWL.P	WARNING LIGHT	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	CBPOL	BASELINE, POINT ON LINE	+	LUKP	UNKNOWN POINT	⊕	RGA	GUIDE RAIL, ANCHOR	⊕	TWZWV.P	WORK VEHICLE	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	CBSP	BASELINE, SPUR POINT	AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS: LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS CONTRACT 3 S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2 SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD COUNTY: MADISON, ONEIDA REGION: 2			⊕	RGP	GUIDE POST, SINGLE	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊗	CBTP	BASELINE, TIE POINT				⊕	RES.P	ELEVATION, SPOT	⊕	RGA	GUIDE RAIL, ANCHOR	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX
⊕	CPBM	BENCHMARK				⊕	RGP	GUIDE POST, SINGLE	⊕	RGA	GUIDE RAIL, ANCHOR	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX
⊕	CPH	POINT, HORIZ. PHOTOGRAMMETRY				⊕	RGP	GUIDE POST, SINGLE	⊕	RGA	GUIDE RAIL, ANCHOR	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX
⊕	CPSM	POINT, SURVEY MARKER, PERM.	UTILITIES			⊕	RGP	GUIDE POST, SINGLE	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊕	CPSV	POINT, VERT., PHOTOGRAMMETRY				⊕	RGP	GUIDE POST, SINGLE	⊕	RGA	GUIDE RAIL, ANCHOR	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS: LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS CONTRACT 3 S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2 SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD COUNTY: MADISON, ONEIDA REGION: 2	PIN 2LCL12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
ALL SITES LEGEND				DRAWING NO. LEG-2	SHEET NO. 4	

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



NOTES:
 1. THE ELECTRONIC FILES IDENTIFIED AS PLANS FOR THE SUBJECT PROJECT HAVE BEEN COMPLETED IN ACCORDANCE WITH ALL APPLICABLE NYS DOT STANDARDS AND SPECIFICATIONS. THE PROFESSIONAL SEAL(S) LOCATED HEREIN APPLY TO ALL FILES LISTED IN THE "ELECTRONIC FILES IDENTIFIED AS PLANS" TABLE WHERE THE ENGINEER OF RECORD IS LISTED.
 2. THE CONTRACTOR SHALL UTILIZE THE INFORMATION IN ELECTRONIC FORM, OR DETERMINE HOW TO BEST MANIPULATE THE MODEL TO PRINT DESIRED INFORMATION. THE CAD INFORMATION IS GEOSPATIALLY LOCATED USING THE APPROPRIATE STATE PLANE COORDINATE SYSTEM. THE ELECTRONIC FILES IDENTIFIED AS PLANS ARE A PART OF THE CONTRACT DOCUMENTS AND ARE AVAILABLE FOR DOWNLOAD WITH THE OTHER CONTRACT DOCUMENT ELEMENTS. THE ELECTRONIC FILES ARE PROVIDED WITH SUFFICIENT DETAIL TO ALLOW THE CONTRACTOR, SUBCONTRACTORS, FABRICATORS AND SUPPLIERS TO QUICKLY, EFFICIENTLY AND ACCURATELY SHARE INFORMATION NECESSARY TO COMPLETE THE WORK.

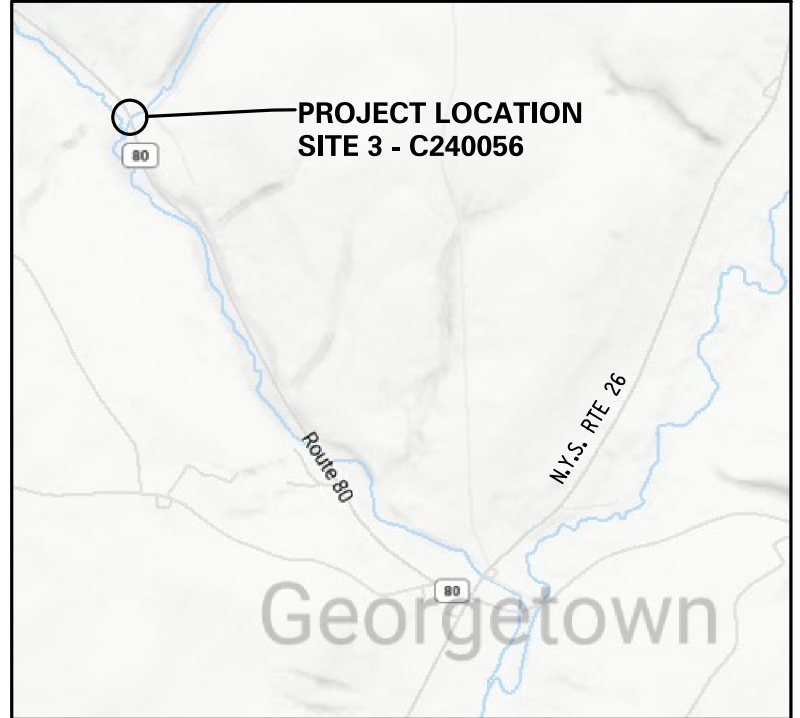
ELECTRONIC FILES IDENTIFIED AS PLANS				
	FILE NAME	FILE DESCRIPTION	DATE/TIME MODIFIED	AFFIX SEAL:
PROFESSIONAL OF RECORD	HORIZONTAL AND VERTICAL ALIGNMENT DATA			
	D265331_FEA_RWY_ALG_Site 1.XML	SITE 1 - ROADWAY GEOMETRY	6/10/2024 9:56 AM	
	D265331_FEA_CRK_ALG_Site 1.XML	SITE 1 - STREAM GEOMETRY	6/10/2024 9:47 AM	
	D265331_FEA_RWY_ALG_Site 3.XML	SITE 3 - ROADWAY GEOMETRY	6/10/2024 10:25 AM	
	D265331_FEA_CRK_ALG_Site 3.XML	SITE 3 - STREAM GEOMETRY	6/10/2024 11:58 AM	
	D265331_FEA_WRK_ALG_Site 3.XML	SITE 3 - WORKING LINE	6/10/2024 10:29 AM	
	D265331_FEA_RWY_ALG_Site 4.XML	SITE 4 - ROADWAY GEOMETRY	6/10/2024 10:41 AM	
	D265331_FEA_CRK_ALG_Site 4.XML	SITE 4 - STREAM GEOMETRY	6/10/2024 11:47 AM	
	D265331_FEA_WRK_ALG_Site 4.XML	SITE 4 - WORKING LINE	6/10/2024 10:54 AM	
	D265331_FEA_RWY_ALG_Site 6.XML	SITE 6 - ROADWAY GEOMETRY	6/10/2024 11:22 AM	
D265331_FEA_CRK_ALG_Site 6.XML	SITE 6 - STREAM GEOMETRY	6/10/2024 11:32 AM		

ELECTRONIC FILES IDENTIFIED AS PLANS - REVISIONS SUMMARY			
REVISED FILE NAME	REVISED BY	DATE REVISED	DESCRIPTION OF ALTERATIONS

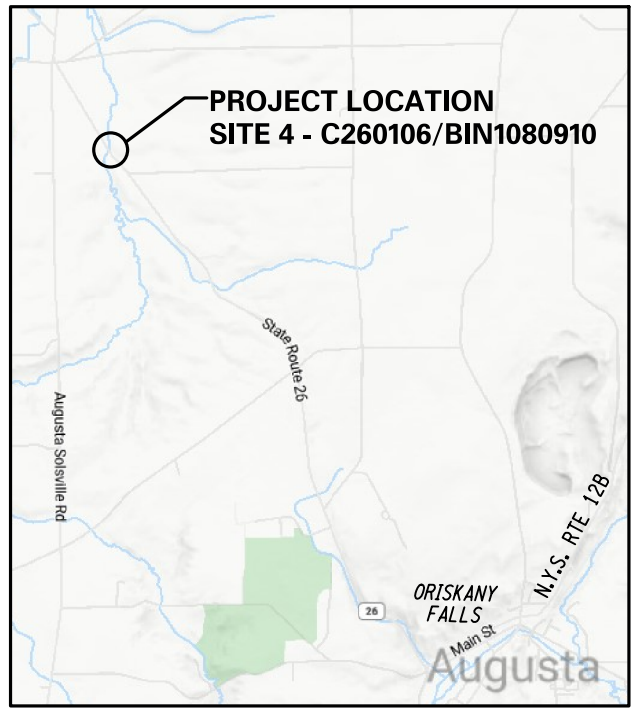
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B &L
	CONTRACT 3				ALL SITES	DRAWING NO. ELE-01	
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2				ELECTRONIC FILES IDENTIFIED AS PLANS	SHEET NO. 5	
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD						
COUNTY: MADISON, ONEIDA	REGION: 2						
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						Department of Transportation	



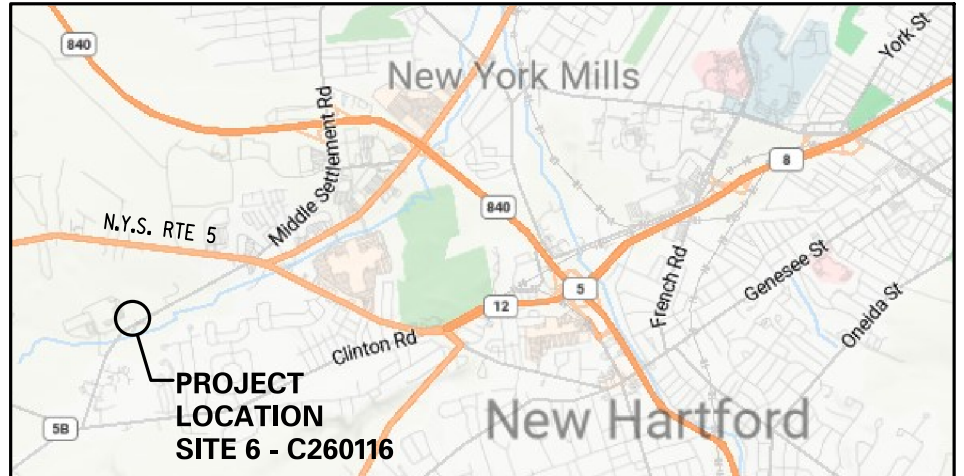
SITE 1 PROJECT LOCATION
 NYS ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK IS LOCATED IN THE TOWN OF SULLIVAN, MADISON COUNTY, 2 MILES SOUTHWEST OF THE INTERSECTION WITH NYS ROUTE 5.



SITE 3 PROJECT LOCATION
 NYS ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK IS LOCATED IN THE TOWN OF GEORGETOWN, MADISON COUNTY, 1.5 MILES NORTHWEST OF THE INTERSECTION WITH NYS ROUTE 26.



SITE 4 PROJECT LOCATION
 NYS ROUTE 26 OVER SCONONDOA CREEK IS LOCATED IN THE TOWN OF AUGUSTA, ONEIDA COUNTY, 3 MILES NORTH OF THE INTERSECTION WITH NYS ROUTE 128.



SITE 6 PROJECT LOCATION
 NYS ROUTE 5B OVER TRIBUTARY OF MUD CREEK IS LOCATED IN THE TOWN OF NEW HARTFORD, ONEIDA COUNTY, 0.75 MILES WEST OF THE INTERSECTION WITH NYS ROUTE 5.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B
	CONTRACT 3					D265331	&L
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2					DRAWING NO. LM-1	
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD					SHEET NO. 6	
COUNTY: MADISON, ONEIDA	REGION: 2					NEW YORK STATE OF OPPORTUNITY	
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						Department of Transportation	

GENERAL NOTES:

DESIGN SPECIFICATIONS: NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF THE LETTING DATE. (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: f'c = 3,000 psi.)

CONSTRUCTION SPECIFICATIONS: NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS WITH ALL PROVISIONS IN EFFECT AS OF THE LETTING DATE.

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

DESIGN LIVE LOAD: AASHTO HL - 93.

THE TEMPORARY STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF THE NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS USING A DESIGN LIVE LOAD OF HL-93 AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISION OF SECTION 619 - WORK ZONE TRAFFIC CONTROL OF THE NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS.

DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONALLY AND ARE FULLY DIMENSIONED.

ALL SHOP DRAWINGS FOR THIS PROJECT SHALL BE PREPARED IN U.S. CUSTOMARY UNITS.

FOUNDATION NOTES:

EMBANKMENT IN PLACE, ITEM 203.03 AND SELECT GRANULAR FILL, ITEM 203.07 SHALL BE PLACED SIMULTANEOUSLY, ON BOTH SIDES OF THE VERTICAL PAYMENT LINE.

EMBANKMENT IN PLACE, ITEM 203.03 AND SELECT STRUCTURE FILL, ITEM 203.21, SHALL BE PLACED SIMULTANEOUSLY, ON BOTH SIDES OF THE VERTICAL PAYMENT LINE.

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

THE COST OF WATER USED FOR COMPACTION OF THE SELECT GRANULAR FILL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.07 - SELECT GRANULAR FILL.

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

SUBSTRUCTURE NOTES:

THE CONTRACTOR, WITH THE APPROVAL OF THE DCES, MAY ELECT TO INTRODUCE CONSTRUCTION JOINTS IN THE ABUTMENTS AND/OR WINGWALLS AT LOCATIONS NOT SHOWN IN THE PLANS. CONSTRUCTION JOINTS SHALL BE PROVIDED WITH SHEAR KEYS AND WATERSTOPS. VERTICAL CONSTRUCTION JOINTS INTRODUCED IN THE ABUTMENTS AND/OR WINGWALLS SHOULD PREFERABLY BE PLACED MIDWAY BETWEEN THE PEDESTALS.

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

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 TO THE COFFERDAM NECESSARY TO KEEP WATER FROM ENTERING THE EXCAVATION SHALL BE FURNISHED AND PLACED AT NO COST TO THE STATE.

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

SHOULD FIELD CONDITIONS REQUIRE A CHANGE IN THE TYPE OF COFFERDAM SYSTEM CALLED FOR IN THE PLANS, THE ENGINEER SHALL SUBMIT THE CHANGES TO THE DCES FOR REVIEW AND APPROVAL.

IF MULTIPLE COFFERDAMS ARE REPLACED BY A SINGLE SYSTEM, WHEN APPROVED BY THE REGIONAL HYDRAULICS ENGINEER, PAYMENT SHALL BE BASED ON ALL OF THE APPLICABLE COFFERDAM ITEMS INDICATED IN THE PLANS.

DEWATER THE COFFERDAM BY PUMPING THE WATER TO AN APPROVED UPLAND VEGETATED AREA OUTSIDE OF THE STREAMBED AS SHOWN IN THE PLANS AND/OR APPROVED BY THE ENGINEER. TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL, SUCH AS SEDIMENT FILTER LOGS OR APPROVED EQUAL, MAY BE REQUIRED AS DETERMINED BY THE ENGINEER. NO SETTLEMENT BASIN SHALL BE CONSTRUCTED.

SUPERSTRUCTURE NOTES:

CARE SHALL BE TAKEN TO PREVENT CONTAMINATION OF THE WATERWAY BY THE SEALER. IF THE MANUFACTURER'S INSTRUCTIONS REQUIRE MIXING OF THE SEALER PRIOR TO APPLICATION, MIXING SHALL OCCUR IN A MANNER THAT WILL PREVENT CONTAMINATION OF THE WATERWAY. THE CONTRACTOR SHALL HAVE AVAILABLE FOR IMMEDIATE USE MATERIALS TO SOAK UP OR CONTAIN ANY ACCIDENTAL SPILLS. PRIOR TO THE APPLICATION OF THE SEALER, ANY OPENINGS IN THE SURFACE OF THE BRIDGE DECK OR IN THE WALKING SURFACE, SUCH AS SCUPPERS OR OPEN DRAINS SHALL BE COVERED TO PREVENT CONTAMINATION OF THE WATERWAY. CARE SHALL BE TAKEN TO PREVENT SPRAYED SEALER FROM ENTERING THE WATERWAY BY ROLLING THE SEALER OR BY PHYSICALLY ISOLATING THE AREA TO BE SPRAYED FROM THE WATERWAY BY THE USE OF TARPS OR OTHER BARRIER-TYPE MEANS TO THE SATISFACTION OF THE ETC.

REMOVAL NOTES:

EXISTING CULVERT SIZED STRUCTURES SHALL BE REMOVED WITHIN THE PAY LIMITS SHOWN IN THE PLANS UNDER ITEM 206.01 - STRUCTURE EXCAVATION.

RECONSTRUCTION NOTES:

THE DETAILS SHOWN FOR THE CULVERT BARREL ARE BASED ON THE ASSUMPTION THAT THE WATER IN THE STREAM CHANNEL WILL BE DIVERTED OR CARRIED IN A FLUME DURING THE ENTIRE CONSTRUCTION OF THE BARREL. SHOULD THE CONTRACTOR ELECT TO DIVERT THE WATER THROUGH ONE OF THE CELLS BEFORE COMPLETION OF THE ENTIRE BARREL, THE CONTRACTOR SHALL SUBMIT TO THE DCES FOR APPROVAL, THE CONSTRUCTION PROCEDURES AND SKETCHES SHOWING THE LOCATION OF THE PROPOSED CONSTRUCTION AND CONTRACTION JOINTS AND THE CHANGES IN THE BAR REINFORCEMENT DETAILS.

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 STATE, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.


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

DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL TO THE AREA BELOW THE STRUCTURE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE STOPPED UNTIL ADEQUATE PROTECTION IS PROVIDED.

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

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

THE EMBEDMENT DEPTH SHOWN IN THE PLANS FOR DRILLING AND GROUTING IS FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR'S ENGINEER SHALL DETERMINE THE DEVELOPMENT LENGTH REQUIRED TO DEVELOP THE FULL STRENGTH OF THE ANCHOR ROD AND/OR REINFORCING BAR. THE CALCULATIONS SHALL BE BASED ON THE SIZE OF THE ROD/BAR, ACTUAL EDGE DISTANCE TO THE ROD/BAR, THE PROXIMITY TO OTHER RODS/BARS, ESTIMATED CONCRETE STRENGTH, AND THE GROUT SUPPLIERS' RECOMMENDATIONS. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND DETAILS SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER TO THE ENGINEER FOR APPROVAL.

AFFIX SEAL: ON:	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	CONTRACT 3					D265331	
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2					DRAWING NO. GN-1	
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD						
COUNTY: MADISON, ONEIDA		REGION: 2	GENERAL NOTES			NEW YORK STATE OF OPPORTUNITY	
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.							
Department of Transportation							

dkmsman
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FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract\2\2\CL11.opd.eon.dgn
 DATE = 7/24/2014
 TIME = 1:42:52 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN R. WOOD/D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF ANY APPLICABLE N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION WATER QUALITY CERTIFICATION AND/OR FRESHWATER WETLANDS AND STREAM DISTURBANCE PERMITS INCLUDING BUT NOT LIMITED TO ARMY CORPS OF ENGINEERS REQUIREMENTS AND REGULATIONS.

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 NYSDDOT STANDARD SPECIFICATIONS.

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 DAILY 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 POINT BECOMES OPERATIONAL.

ANY DEBRIS OR EXCESS MATERIALS FROM CONSTRUCTION SHALL BE IMMEDIATELY AND COMPLETELY REMOVED FROM THE BED AND BANKS OF ALL WATER AREAS.

ALL CONTROL MEASURES SHALL BE PLACED PRIOR TO STARTING EARTH WORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE NEW SLOPES ARE STABILIZED WITH PERMANENT VEGETATION AND/OR SLOPE PROTECTION MATERIALS, A.O.B.E.

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 OR SEDIMENT FILTER LOGS BEFORE DISCHARGE BEYOND DISTURBED AREAS OR INTO INLETS OF OTHER DRAINAGE SYSTEMS.

ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES OR WATER COURSES.

DISTURBANCES SHOULD BE LIMITED WHENEVER AND WHEREVER POSSIBLE, IN BOTH AREA AND IN TIME. EARTH MATERIAL EXPOSED BY ANY CONSTRUCTION ACTIVITY MUST NOT BE LEFT INACTIVE FOR MORE THAN 7 DAYS WITHOUT THE APPLICATION OF TEMPORARY OR PERMANENT EROSION CONTROLS. SLOPES SHOULD BE RAPIDLY BROUGHT TO FINAL GRADE, STABILIZED, AND SEEDED AS SOON AS POSSIBLE.

ALL AREAS OF SOIL DISTURBANCES RESULTING FROM THIS PROJECT SHALL BE SEEDED WITH SEED MIX AS SPECIFIED AND MULCHED WITH STRAW WITHIN ONE WEEK OF FINAL GRADING. ALL WETLAND AREAS OF TEMPORARY DISTURBANCE RESULTING FROM THIS PROJECT SHALL BE SEEDED WITH AN APPROVED WETLAND SEED MIX AND MULCHED WITH STRAW. 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. PAYMENT FOR TEMPORARY SEEDING AND MULCHING SHALL BE MADE UNDER ITEM 209.1003.

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.

ENCLOSE ANY TEMPORARY STOCKPILES OF TOPSOIL OR FILL, AND SOIL SURCHARGE AREAS WITH TEMPORARY SEDIMENT FILTER LOG, ITEM 209.2301, TO PREVENT EROSION OF THE PILE. ALL SEDIMENT FILTER LOG SHALL BE INSTALLED ON THE CONTOUR WITH A GRADE OF 2% OR LESS. STOCKPILES SHALL BE STABILIZED WITH MULCH IMMEDIATELY AND THOSE EXPOSED FOR LONGER THAN TWO WEEKS SHALL RECEIVE TEMPORARY SEEDING. PAYMENT FOR TEMPORARY SEEDING AND MULCHING SHALL BE MADE UNDER ITEM 209.1003.

THE LOCATIONS OF EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED IN THE CONTRACTOR 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.

TYPICALLY THE SEDIMENT FIBER LOG SHALL BE INSTALLED ALONG EXISTING/PROPOSED CONTOUR LINES.

THE CONTRACTOR SHALL COMPLY WITH THE NYSDDOT STANDARD SHEET, DETAIL WITHIN THE CONTRACT DOCUMENTS, AND MANUFACTURER INSTALLATION GUIDE WHEN INSTALLING EROSION, AND SEDIMENT CONTROL MEASURES OR A.O.B.E.

STREAM PROTECTION NOTES:

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 DIRECTLY 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.

STREAM RESTRICTIONS:

IN-STREAM WORK IS PROHIBITED BETWEEN THE FOLLOWING DATES:

- C240072 - SITE 1: NO WORK RESTRICTIONS
- C240056 - SITE 3: OCT 1 - MAY 15
- C260106/BIN260106 - SITE 4: OCT 1 - MAY 15
- C260116 - SITE 6: OCT 1 - MAY 15

WATERWAY DIVERSION PAY ITEMS:

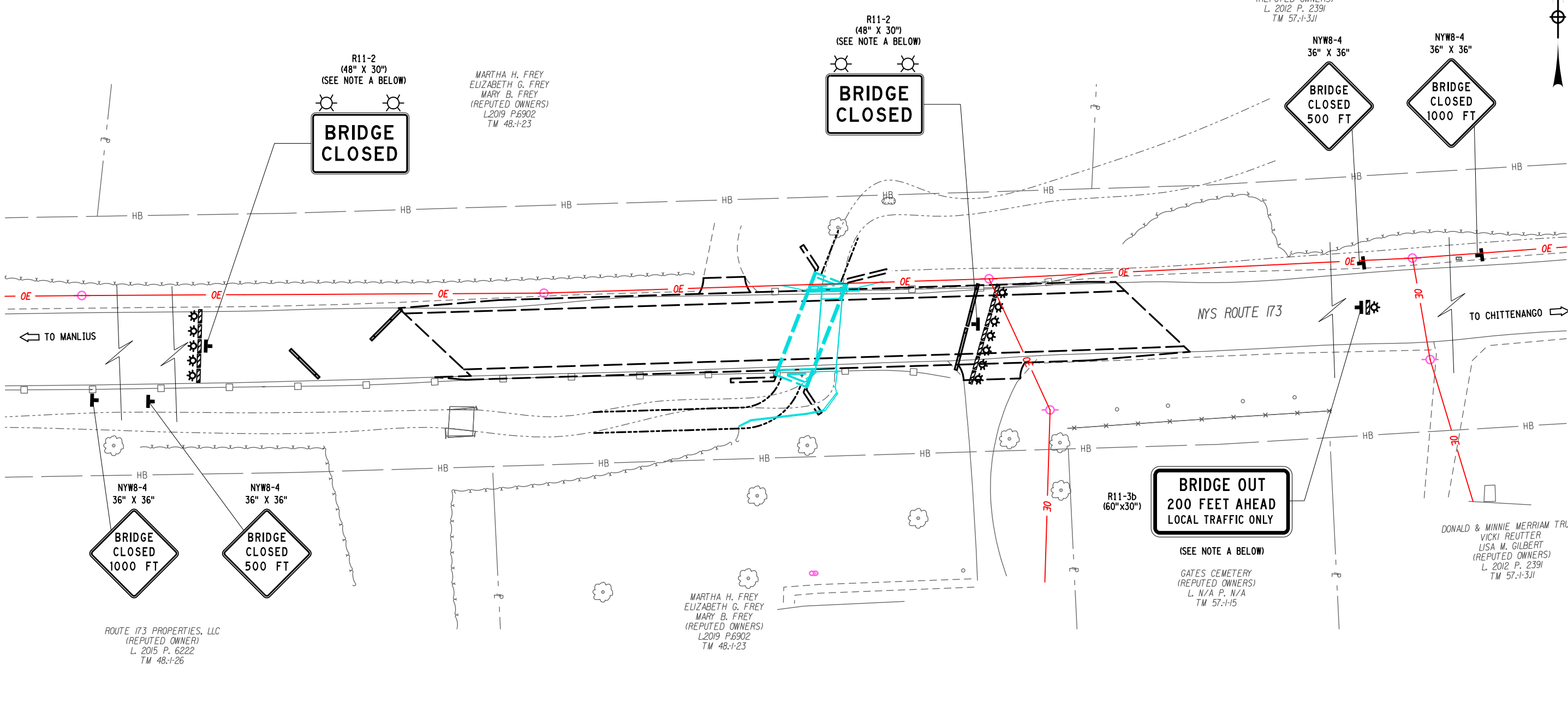
- C240072 - SITE 1 - NO WATER DIVERSION STRUCTURE, SEE DWG. ECP1-1.
- C240056 - SITE 3 - 553.030001
- C260106/BIN1080910 - SITE 4 - 553.030002
- C260116 - SITE 6 - 553.030003

AFFIX SEAL: ON:	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B &L
	CONTRACT 3					D265331	
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2					DRAWING NO. ECN-1	
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD					SHEET NO. 8	
COUNTY: MADISON, ONEIDA		REGION: 2					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.							

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 1 - C240072\2LC11.cph.mpl.sst.1.dgn
 DATE = 7/24/2014
 TIME = 1:42:52 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: M. FINCH



LEGEND:

- SIGNS (NMUTCD)
PAYMENT UNDER ITEM 619.01
- TYPE 'A' FLASHER LIGHTING FOR SIGNS, PAYMENT UNDER ITEM 619.01
- TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
- TEMPORARY POSITIVE BARRIER CATEGORY 1 (PINNING PROHIBITED), ITEM 619.1711

NOTES:

A - R11-2 (BRIDGE CLOSED) & R11-3b SIGNS TO BE INSTALLED ON THEIR OWN SIGN SUPPORT AND PLACED BEHIND THE TYPE III BARRICADE AT A 5 FOOT MOUNTING HEIGHT.

AFFIX SEAL: ON:

ALTERED BY: ON:

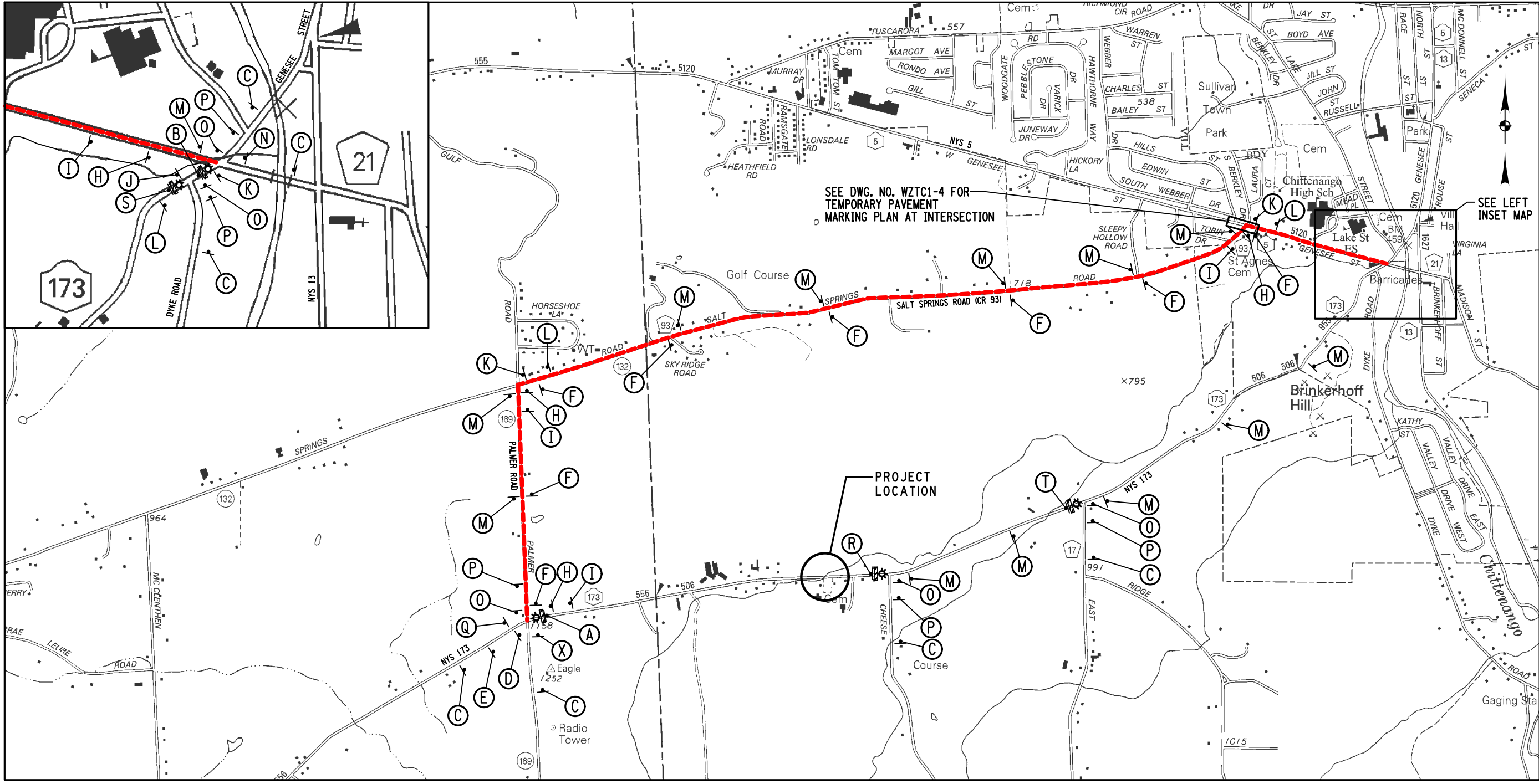
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK					SITE 1	
	SH 506				WORK ZONE TRAFFIC CONTROL PLAN	SHEET NO. 9	
	TOWN OF SULLIVAN						
	COUNTY: MADISON	REGION: 2					

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.

NEW YORK STATE OF OPPORTUNITY
 Department of Transportation

FILE NAME = I:\Projects\2008\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 1 - C240072\2LC11.dgn
 DATE = 7/24/2014
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DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER M. FINCH



SEE DWG. NO. WZTC1-4 FOR
 TEMPORARY PAVEMENT
 MARKING PLAN AT INTERSECTION

SEE LEFT
 INSET MAP

NOT TO SCALE

LEGEND:

- SIGNS (N MUTCD), PAYMENT UNDER ITEM 619.01
- TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
- DETOUR ROUTE

NOTES:

1. SEE DWG. WZTC1-3 FOR DETOUR SIGN FACE LAYOUTS.
2. FOR ADDITIONAL INFORMATION, REFER TO NYS DOT STANDARD SHEET 619-503.
3. COVER ANY CONFLICTING SIGNS, PAYMENT UNDER ITEM 619.01.
4. PEDESTRIANS SHALL BE ACCOMMODATED WITH TRANSPORTATION SERVICES, ITEM 619.99230101 AND ITEM 619.99230201, A0BE.

CONFIRMATION SIGNS (F) (M) SHALL BE REPEATED AT A MAXIMUM DISTANCE OF EVERY HALF MILE, IN ACCORDANCE WITH NYS DOT STANDARD SHEET 619-503.

AFFIX SEAL: ON: _____

ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK SH 506 TOWN OF SULLIVAN COUNTY: MADISON REGION: 2	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
SITE 1 WORK ZONE TRAFFIC CONTROL DETOUR PLAN					DRAWING NO. WZTC1-2 SHEET NO. 10		
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.							

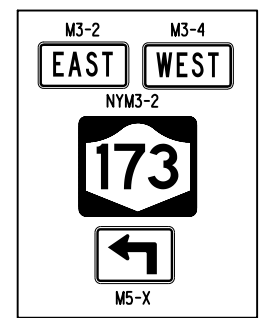


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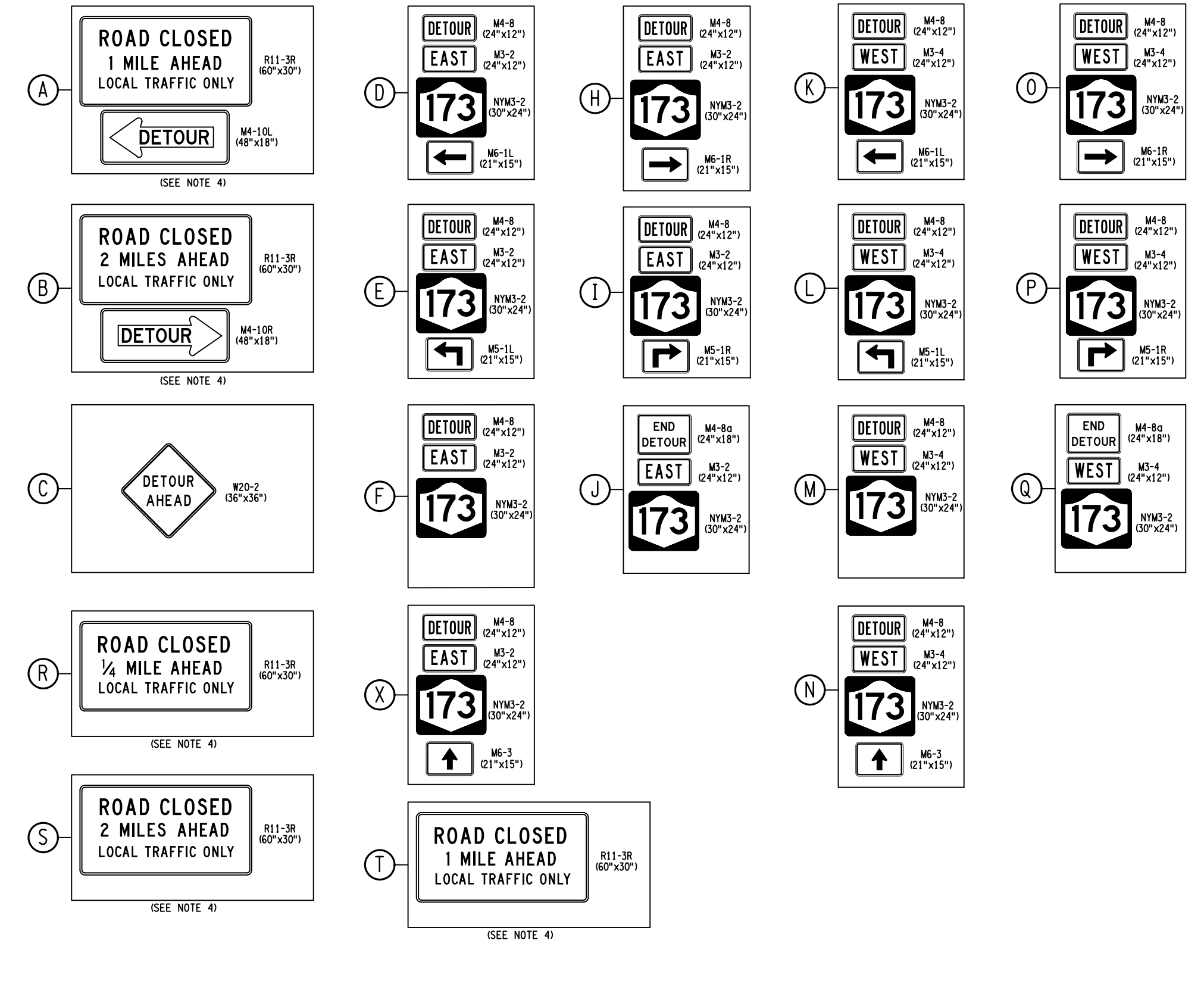
DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH

DETOUR SIGN TABLE

- NOTES:**
- SEE DWG. WZTC1-2 FOR DETOUR SIGN LOCATIONS.
 - FOR ADDITIONAL INFORMATION, REFER TO NYSDOT STANDARD SHEET 619-503.
 - COVER ANY CONFLICTING SIGNS, PAYMENT UNDER ITEM 619.01.
 - R11-3R SIGNS SHALL BE INSTALLED ON THEIR OWN SIGN STANDS AT 5' MOUNTING HEIGHT, AND PLACED BEHIND THE TYPE III BARRICADE, (SIGN CAN BE LOCATED AT EDGE OF TRAVELED WAY).



ALL NYM3-2, M3-X, M5-X, AND M6-X ARROW SIGNS AND CARDINAL DIRECTION SIGNS SHALL BE WHITE AND BLACK (TYP.)



AFFIX SEAL: ON: _____

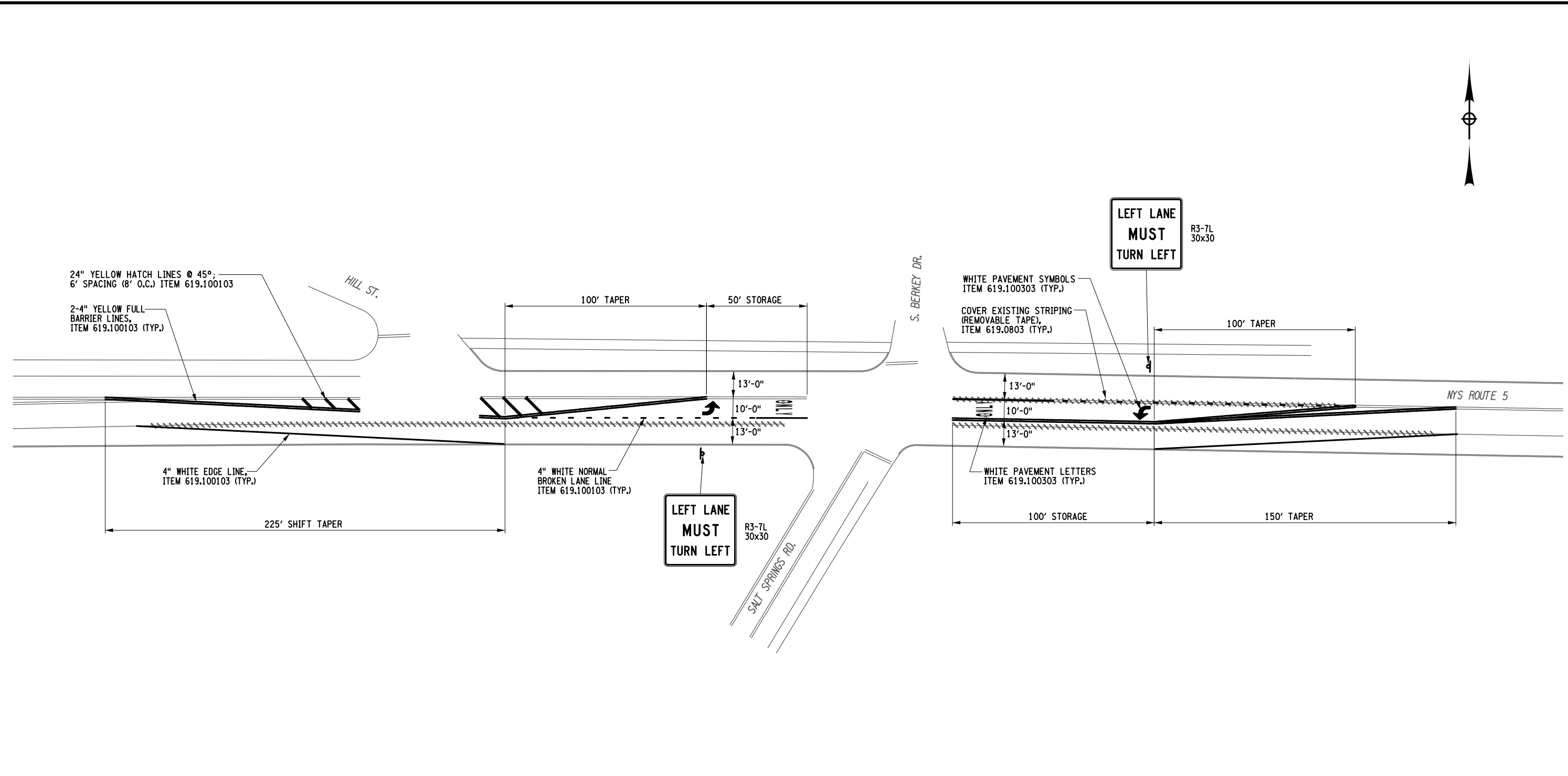
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AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK					D265331	
	SH 506					SITE 1	
	TOWN OF SULLIVAN						
COUNTY: MADISON	REGION: 2	DRAWING NO. WZTC1-3		SHEET NO. 11			

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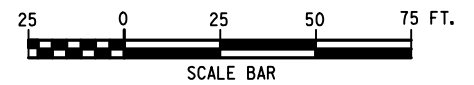
DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: M. FINCH



**LEFT LANE
MUST
TURN LEFT**
R3-7L
30x30

**LEFT LANE
MUST
TURN LEFT**
R3-7L
30x30

NOTE:
REFER TO NYS DOT STANDARD SHEET 685-01,
SHEET 1 OF 9 FOR ADDITIONAL DETAILS

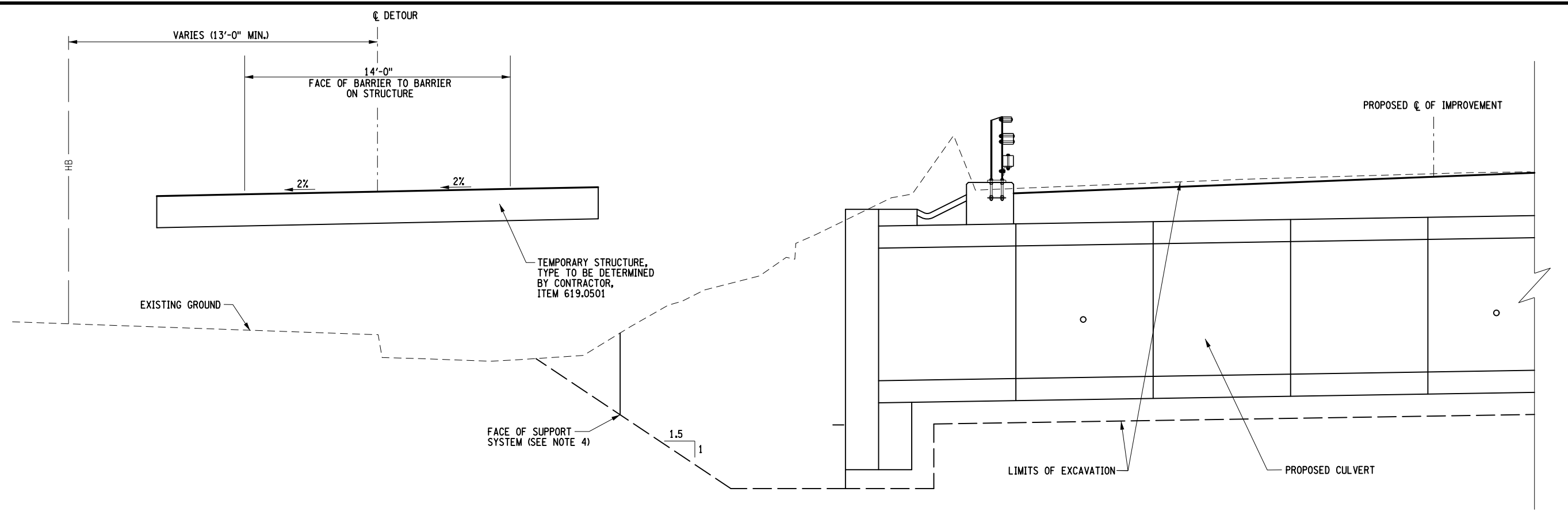


AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED SITE 1 TEMPORARY PAVEMENT MARKING PLAN AT INTERSECTION OF SALT SPRINGS ROAD AND NYS ROUTE 5	CONTRACT NUMBER D265331	B & L
	ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK					DRAWING NO. WZTC1-4 SHEET NO. 12	
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: MADISON		REGION: 2	Department of Transportation		

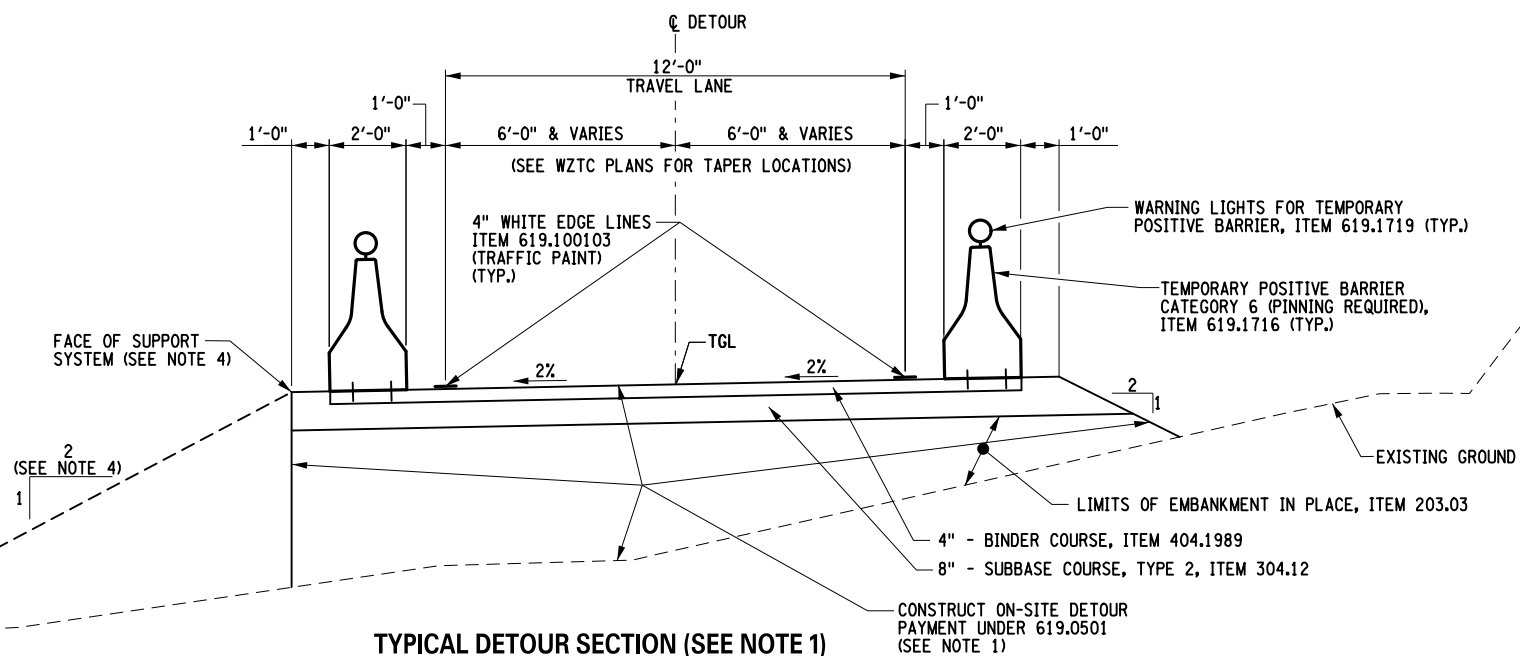
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 TIME = 1:42:58 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH



TYPICAL DETOUR SECTION AT PROPOSED CULVERT (SEE NOTE 1)
 NOT TO SCALE
 LOCATION:
 STA. D 14+80.00 TO STA. D 14+95.00

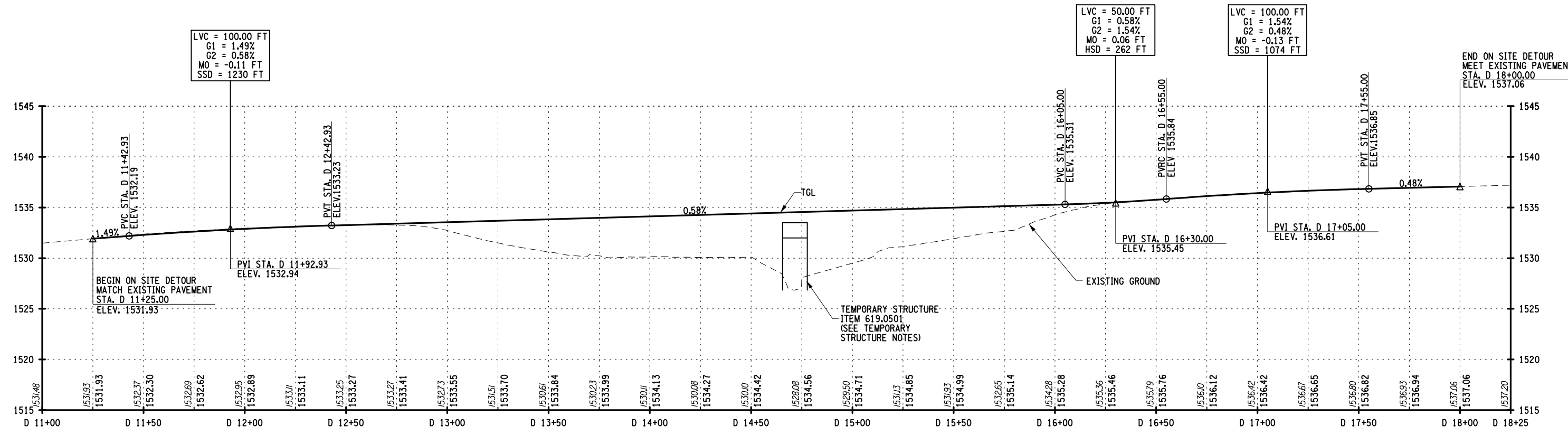
- NOTES:**
1. COST TO CONSTRUCT DETOUR INCLUDING SUPPORT SYSTEM, TEMPORARY STRUCTURE, EMBANKMENT-IN-PLACE, EXCAVATION, SUBBASE, PAVEMENT, AND THE REMOVAL OF THE TEMPORARY DETOUR AND RESTORATION OF GROUND SHALL BE INCLUDED UNDER ITEM 619.0501. SPECIFICATION REFERENCE FOR THESE ITEMS ARE FOR CONSTRUCTION AND MATERIAL SPECIFICATION ONLY. ONLY ITEM 619.1716 AND ITEM 619.1719 ARE PAID FOR SEPARATELY.
 2. REFER TO DWGS. WZTC3-5 TO WZTC3-7 FOR WORK ZONE TRAFFIC CONTROL PLANS/SIGNING AND DWG. WZTC3-1 FOR ON-SITE DETOUR PROFILE.
 3. REFER TO DWGS. WZTC3-3 AND WZTC3-4 FOR DETOUR GEOMETRY, ϕ DETOUR AND BASELINE OFFSETS.
 4. ALL DETOUR AND EMBANKMENTS MUST REMAIN INSIDE HIGHWAY BOUNDARY. USE VERTICAL SUPPORT SYSTEM WHEN NECESSARY TO REMAIN INSIDE HIGHWAY BOUNDARY, PAYMENT UNDER ITEM 619.0501.



TYPICAL DETOUR SECTION (SEE NOTE 1)
 NOT TO SCALE
 LOCATION:
 STA. D 12+75.00 TO STA. D 14+80.00
 STA. D 14+95.00 TO STA. D 16+25.00

AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK					SITE 3 WORK ZONE TRAFFIC CONTROL ON-SITE DETOUR SECTIONS	
	SH 8347						
	TOWN OF GEORGETOWN						
	COUNTY: MADISON	REGION: 2					
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.							
						Department of Transportation	



ON SITE DETOUR PROFILE

TEMPORARY STRUCTURE NOTES:

THE PROPOSED TEMPORARY STRUCTURE SHALL PROVIDE AT THE UPSTREAM FASCIA, A MINIMUM HYDRAULIC AREA (MEASURED PERPENDICULAR TO THE FLOW) OF 60.0 SQ. FT. BELOW THE LOW BEAM ELEVATION OF 1532.0. THE MINIMUM CLEAR SPAN SHALL BE 12.2 FT.

THE PROPOSED TEMPORARY STRUCTURE SHALL BE DESIGNED TO WITHSTAND SCOUR RESULTING FROM THE PROJECTED Q50 DESIGN OF 328 cfs.

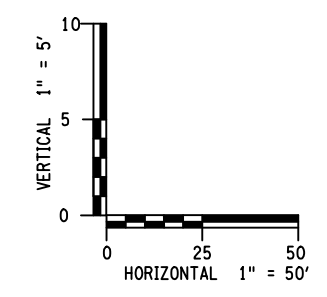
THE TEMPORARY STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF THE NYS DOT LRFD BRIDGE DESIGN SPECIFICATIONS USING A DESIGN LIVE LOAD OF HL-93 AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF §619 - WORK ZONE TRAFFIC CONTROL OF THE NYS DOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS.

TEMPORARY DETOUR STRUCTURE FOUNDATION NOTES:

THE CONTRACTOR'S PROPOSED DETOUR SCHEME MAY REQUIRE A SUPPORT SYSTEM AT THE EXCAVATIONS FOR THE PERMANENT STRUCTURE'S ABUTMENTS AND/OR WINGWALLS. IF A SUPPORT SYSTEM IS REQUIRED, DESIGN, SUBMIT FOR APPROVAL AND INSTALL THIS SYSTEM IN ACCORDANCE WITH TEMPORARY STRUCTURES AND APPROACHES, ITEM 619.06. INCLUDE THE COST OF THIS WORK IN THE LUMP SUM BID FOR ITEM 619.06 - TEMPORARY STRUCTURES AND APPROACHES. BASE THE DESIGN UPON THE FOLLOWING:

LOCATION	ELEVATION (FEET)	UNIT WEIGHT (LBS/FT ³)	FRICTION ANGLE (DEGREES)	COHESION (LBS/FT ²)	WALL FRICTION (DEGREES)
ON SITE DETOUR	06S-1515.0	120	32	0	0

- A. USE A GROUNDWATER ELEVATION OF 1529.8 FEET.
- B. IF STEEL SHEETING IS USED, DO NOT DESIGN THE SHEETING TO REQUIRE EMBEDMENT BELOW ELEVATION 1515.0 FEET, DUE TO COMPACT MATERIAL.

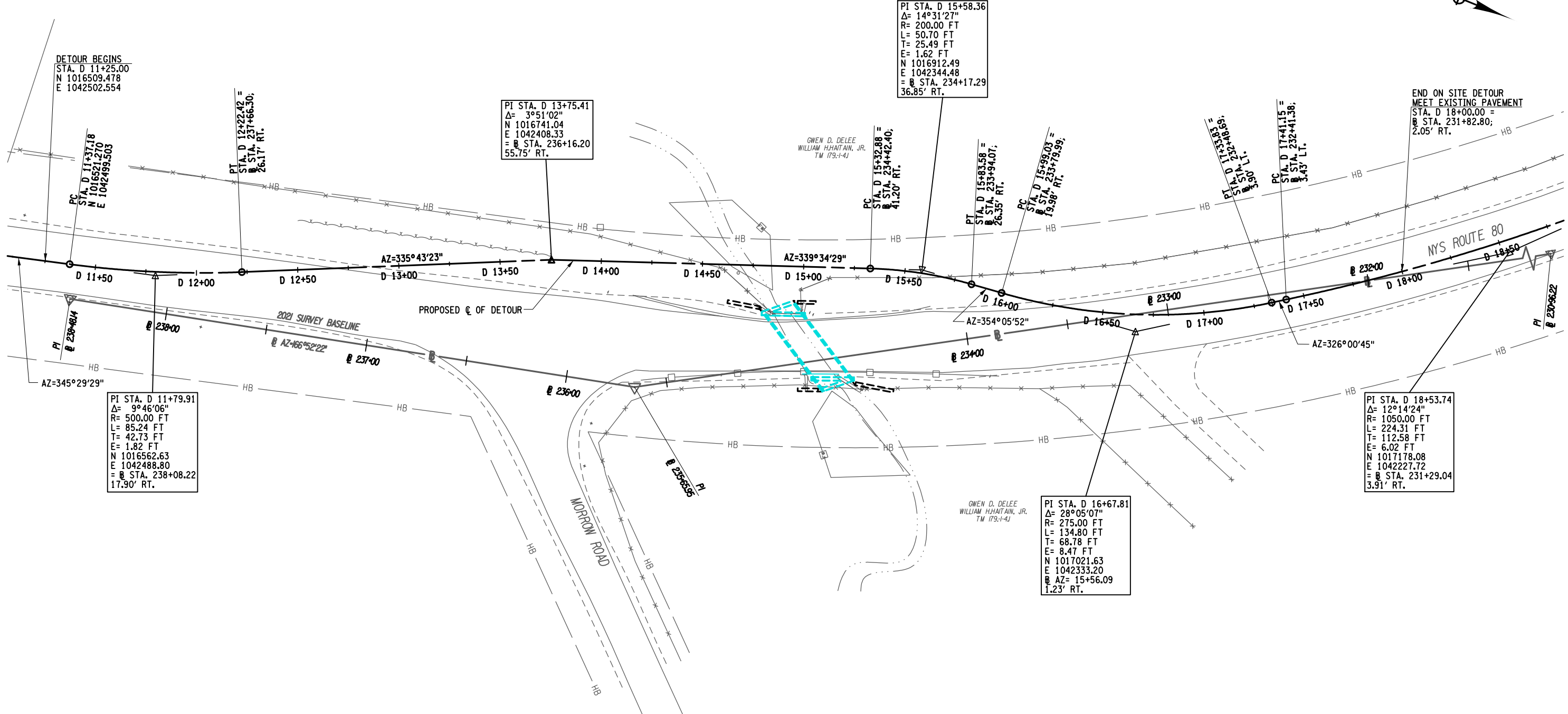


AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK					SITE 3 WORK ZONE TRAFFIC CONTROL ON-SITE DETOUR PROFILE	
	SH 8347						DRAWING NO. WZTC3-2
	TOWN OF GEORGETOWN						SHEET NO. 14
COUNTY: MADISON	REGION: 2						

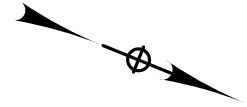
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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



- NOTES:**
- REFER TO DWG. WZTC3-4 FOR DETOUR ALIGNMENT CONTROL.
 - REFER TO DWG. SC3-1 FOR BASELINE TIES AND BENCHMARKS TABLE.

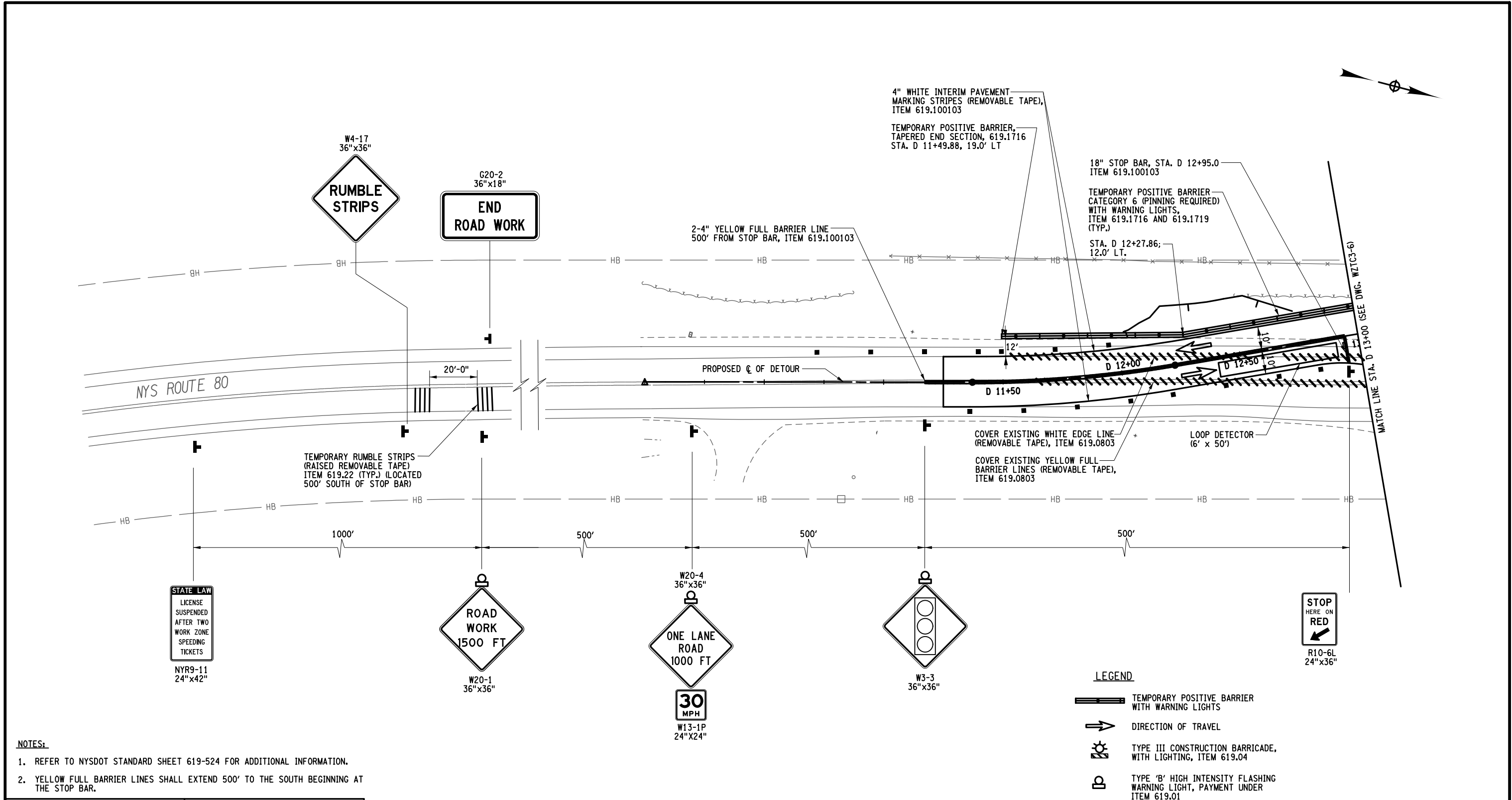
AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LIC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK					D265331	
	SH 8347				SITE 3 WORK ZONE TRAFFIC CONTROL HORIZONTAL CONTROL PLAN	DRAWING NO.	WZTC3-3
	TOWN OF GEORGETOWN					SHEET NO.	15
COUNTY: MADISON		REGION: 2					
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.							
							Department of Transportation



FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 3 - C240056\2LC111_cph_mpp1_site_3.dgn
 DATE = 7/24/2024
 TIME = 1:43:00 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH



- NOTES:**
- REFER TO NYSDOT STANDARD SHEET 619-524 FOR ADDITIONAL INFORMATION.
 - YELLOW FULL BARRIER LINES SHALL EXTEND 500' TO THE SOUTH BEGINNING AT THE STOP BAR.

- LEGEND**
- TEMPORARY POSITIVE BARRIER WITH WARNING LIGHTS
 - DIRECTION OF TRAVEL
 - TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
 - TYPE 'B' HIGH INTENSITY FLASHING WARNING LIGHT, PAYMENT UNDER ITEM 619.01
 - CONSTRUCTION SIGN, PAYMENT UNDER ITEM 619.01
 - CHANNELIZING DEVICE, PAYMENT UNDER ITEM 619.01



AFFIX SEAL: ON:

ALTERED BY: ON:

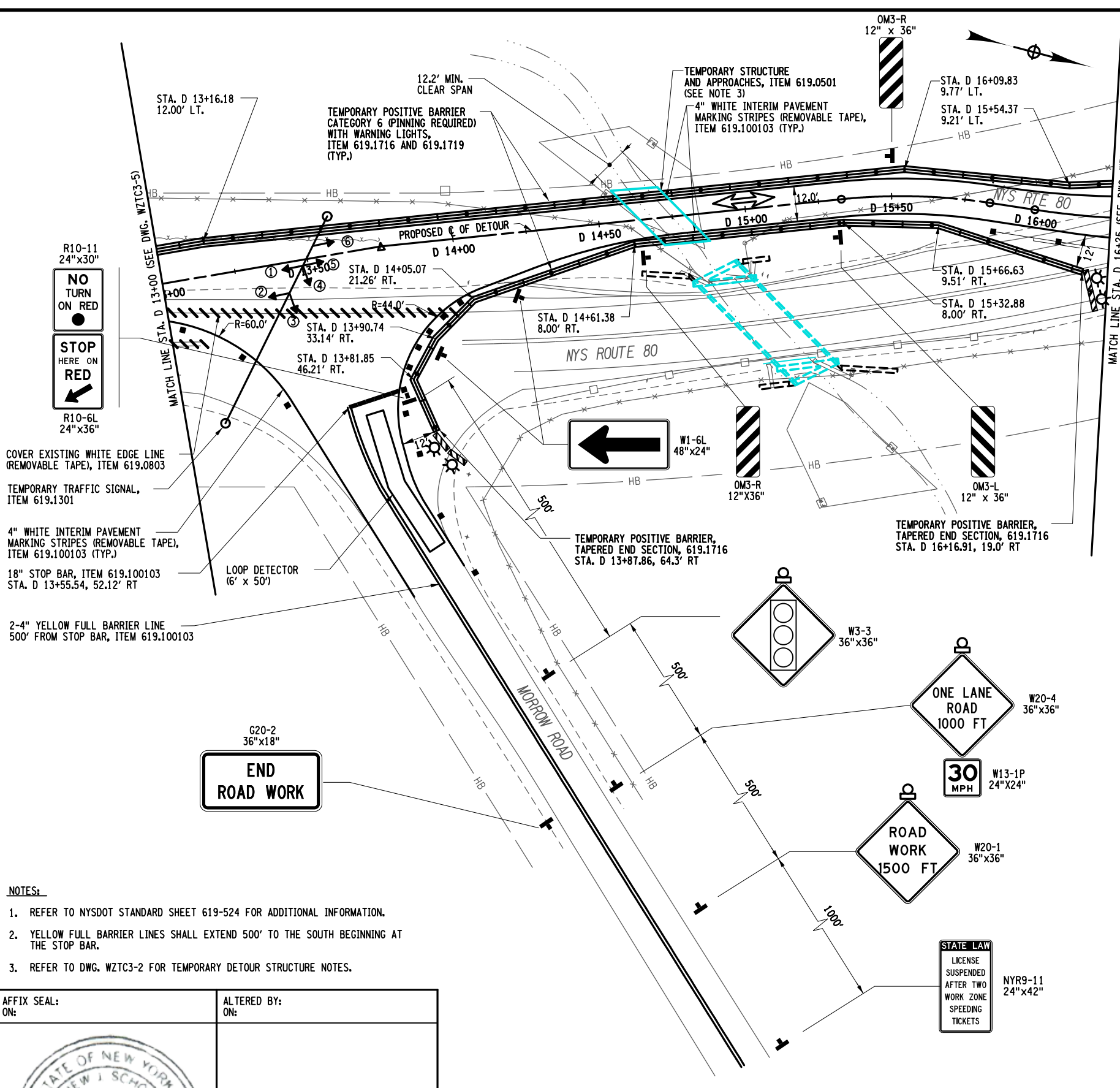
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK					SITE 3	
	SH 8347				WORK ZONE TRAFFIC CONTROL PLAN ON-SITE DETOUR	SHEET NO. 16	
	TOWN OF GEORGETOWN	REGION: 2					

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.

NEW YORK STATE OF OPPORTUNITY
 Department of Transportation

FILE NAME = I:\Projects\2008\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 3 - C240056\2\CL11.cph_mpp2.sst 3.dgn
 DATE = 7/24/2014
 TIME = 1:43:01 PM

DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



- NOTES:**
- REFER TO NYSDOT STANDARD SHEET 619-524 FOR ADDITIONAL INFORMATION.
 - YELLOW FULL BARRIER LINES SHALL EXTEND 500' TO THE SOUTH BEGINNING AT THE STOP BAR.
 - REFER TO DWG. WZTC3-2 FOR TEMPORARY DETOUR STRUCTURE NOTES.

AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK SH 8347 TOWN OF GEORGETOWN COUNTY: MADISON	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
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.					SITE 3 WORK ZONE TRAFFIC CONTROL PLAN ON-SITE DETOUR		DRAWING NO. WZTC3-6 SHEET NO. 17
						NEW YORK STATE OF OPPORTUNITY Department of Transportation	

SUGGESTED SEQUENCE OF CONSTRUCTION

THE SUGGESTED SEQUENCE OF CONSTRUCTION IS INTENDED TO SERVE AS AN OUTLINE AND GUIDE, AND THEREFORE INCLUDES MAJOR STEPS IN THE CONSTRUCTION SEQUENCE ONLY AND IS NOT ALL INCLUSIVE.

- INSTALL ALL EROSION CONTROL MEASURES NECESSARY FOR THE CONSTRUCTION OF THE ON-SITE DETOUR.
- PERFORM ALL CLEARING AND GRUBBING AND COORDINATE ANY UTILITY RELOCATIONS WITH OWNERS.
- USE DAILY LANE AND SHOULDER CLOSURE AS SHOWN ON NYSDOT STANDARD SHEETS 619-307 AND 619-310 TO CONSTRUCT DETOUR. ENTIRE DETOUR, INCLUDING SLOPES SHALL BE INSIDE EXISTING HIGHWAY BOUNDARY.
- INSTALL TEMPORARY TRAFFIC SIGNALS, TEMPORARY POSITIVE BARRIER, CONSTRUCTION SIGNS AND CHANNELIZING DEVICES.
- DETOUR TRAFFIC ONTO THE ON-SITE DETOUR, AND CONSTRUCT PROPOSED CULVERT AND APPROACHES.
- REDIRECT TRAFFIC ONTO NEWLY CONSTRUCTED CULVERT.
- USE DAILY LANE CLOSURE AS NECESSARY AS SHOWN ON NYSDOT STANDARD SHEETS 619-307 AND 619-310 TO REMOVE ON-SITE DETOUR.
- ESTABLISH TURF AND REMOVE EROSION CONTROL MEASURES.

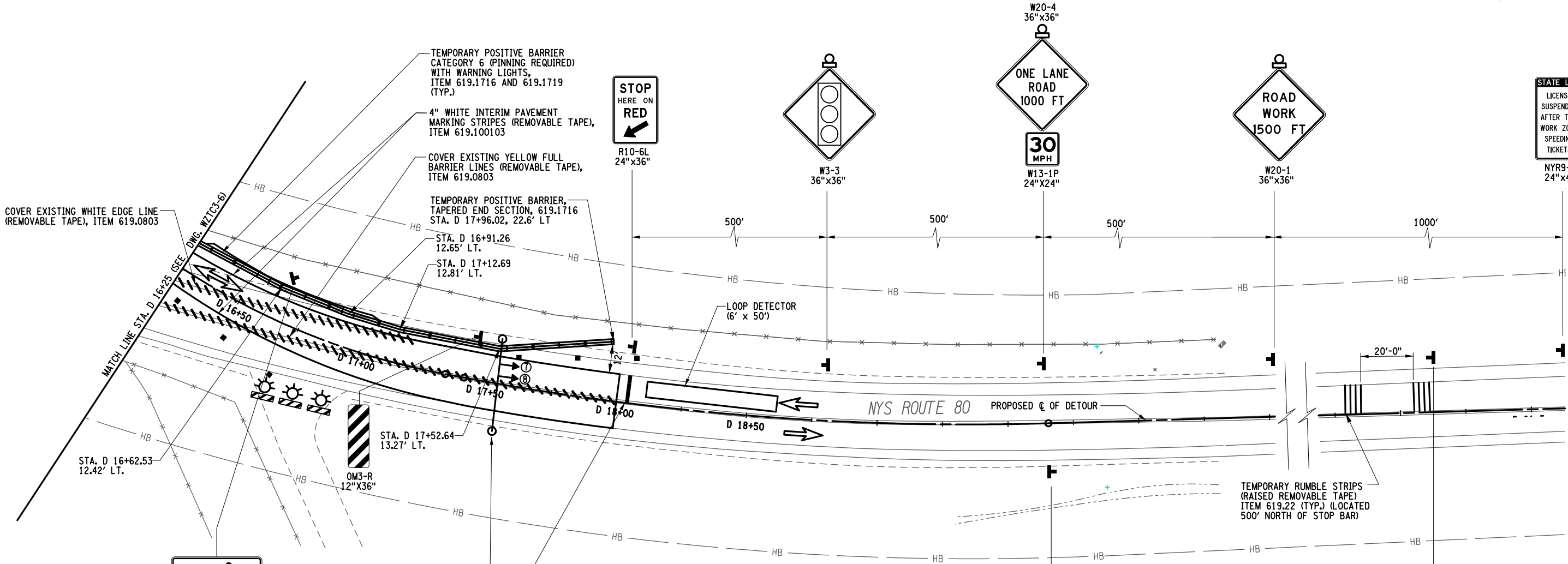
LEGEND

- TEMPORARY POSITIVE BARRIER WITH WARNING LIGHTS
- DIRECTION OF TRAVEL
- TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
- TYPE 'B' HIGH INTENSITY FLASHING WARNING LIGHT, PAYMENT UNDER ITEM 619.01
- CONSTRUCTION SIGN, PAYMENT UNDER ITEM 619.01
- CHANNELIZING DEVICE, PAYMENT UNDER ITEM 619.01
- TEMPORARY TRAFFIC SIGNAL HEAD, PAID FOR UNDER ITEM 619.1301



FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 3 - C240056\2\CL11.cph.mpp3.site 3.dgn
 DATE = 7/24/2024
 TIME = 1:43:01 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



- NOTES:**
- REFER TO NYSDOT STANDARD SHEET 619-524 FOR ADDITIONAL INFORMATION.
 - YELLOW FULL BARRIER LINES SHALL EXTEND 500' TO THE NORTH BEGINNING AT THE STOP BAR.

- LEGEND**
- TEMPORARY POSITIVE BARRIER WITH WARNING LIGHTS
 - DIRECTION OF TRAVEL
 - TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
 - TYPE 'B' HIGH INTENSITY FLASHING WARNING LIGHT, PAYMENT UNDER ITEM 619.01
 - CONSTRUCTION SIGN, PAYMENT UNDER ITEM 619.01
 - CHANNELIZING DEVICE, PAYMENT UNDER ITEM 619.01
 - TEMPORARY TRAFFIC SIGNAL HEAD, PAID FOR UNDER ITEM 619.1301

AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK SH 8347 TOWN OF GEORGETOWN COUNTY: MADISON	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	REGION: 2				SITE 3 WORK ZONE TRAFFIC CONTROL PLAN ON-SITE DETOUR	DRAWING NO. WZTC3-7 SHEET NO. 18	

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



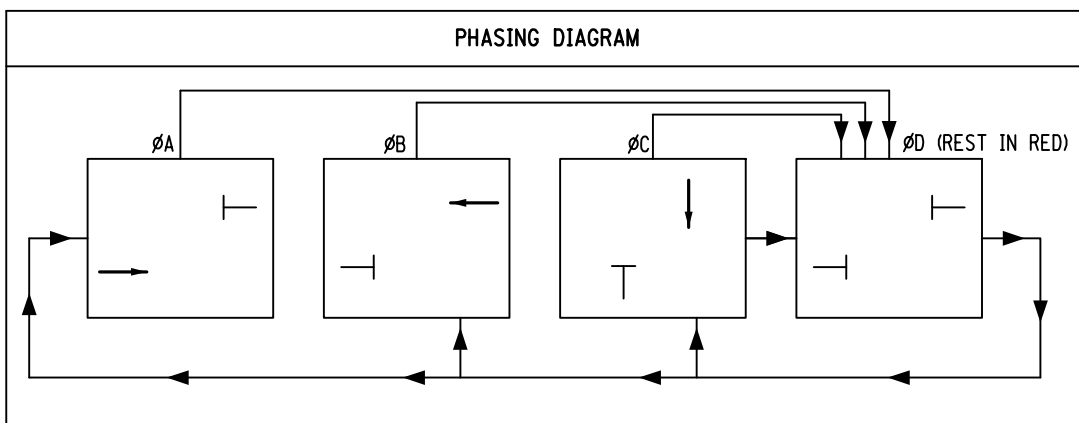
FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 3 - C240056\2LC111_cph_mpn_01_site_3.dgn
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 TIME = 1:43:02 PM


DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEBBE
 PROJECT MANAGER: W. FINCH

NOTES:


1. THE TEMPORARY TRAFFIC SIGNAL SHALL BE CONSTRUCTED WITH WOODEN POLES AND GUYS, USING A SPAN WIRE AND LOWER TETHER WIRE.
2. A MODEL 2070 TRAFFIC ACTUATED CONTROLLER AND MODEL 330 CABINET, CAPABLE OF PROVIDING THE REQUIRED SIGNAL OPERATION SHALL BE USED. THE CONTROLLER SHALL HAVE THE MEANS TO PREVENT THE SIGNAL FROM DISPLAYING INDICATIONS WHICH WILL RESULT IN TWO OR MORE CONFLICTING TRAFFIC MOVEMENTS BEING PERMITTED SIMULTANEOUSLY. THE COST OF THE CABINET, CONTROLLER AND ALL NECESSARY PERIPHERAL EQUIPMENT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.1301.
3. THE TEMPORARY TRAFFIC SIGNAL SHALL BE EQUIPPED WITH A BATTERY BACKUP SYSTEM AND ELECTRIC DISCONNECT/GENERATOR TRANSFER SWITCH, THESE ITEMS MEETING THE REQUIREMENTS OF ITEM 680.80 AND ITEM 680.9499. PAYMENT FOR THESE ITEMS IS INCLUDED IN THE PRICE BID FOR ITEM 619.1301. UPON COMPLETION OF THE PROJECT, NYSDOT WILL TAKE OWNERSHIP OF THIS EQUIPMENT.
4. THE CONTRACTOR SHALL COORDINATE ALL UTILITY INVOLVMENT AND/OR CONFLICTS WITH THE APPROPRIATE UTILITY COMPANIES.
5. VEHICLE INDUCTANCE LOOPS AND/OR PREFORMED LOOPS WHERE APPLICABLE (QUADROPOLE: 6'-0" X 50'-0"; 3 TURNS) SHALL BE INSTALLED ON EACH SIGNAL APPROACH, AS SHOWN ON PLANS. THE COST OF THE IN-PAVEMENT PRESENCE LOOPS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 619.1301.
6. THE CONTRACTOR SHALL STAKE OUT AND VERIFY ALL COMPONENTS OF THE TEMPORARY TRAFFIC SIGNAL SYSTEM PRIOR TO INSTALLATION. THE ENGINEER SHALL APPROVE FINAL PLACEMENT.
7. NO CHANGES IN THE DESIGNED TEMPORARY SIGNAL OPERATION OR TIMING PLAN SHALL BE PERMITTED WITHOUT APPROVAL OR THE ENGINEER. A REST-IN-RED CONDITION SHALL BE REQUIRED FOR ALL SIGNAL PHASES.
8. PRIOR TO THE COMMENCEMENT OF ANY WORK ON THE TEMPORARY TRAFFIC SIGNAL SYSTEM, AN ON-SITE, PRE CONSTRUCTION MEETING SHALL TAKE PLACE. ATTENDEES SHALL INCLUDE THE PROJECT ENGINEER, PRIME CONTRACTOR, APPROPRIATE SUB CONTRACTORS AND APPROPRIATE UTILITY COMPANIES.
9. PRIOR TO SIGNAL ACTIVATION, A FUNCTIONAL TEST OF THE TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL BE PERFORMED TO DEMONSTRATE THAT EVERY PART OF THE SIGNAL SYSTEM OPERATES SATISFACTORILY. THE FUNCTIONAL TEST SHALL BE PERFORMED IN THE PRESENCE OF THE PROJECT ENGINEER AND THE TRAFFIC SIGNAL CREW ENGINEER IN CHARGE. TIMING AND CLEARANCE INTERVALS WILL BE DETERMINED AT THE MEETING.
10. SEE CURRENT NYSDOT STANDARD SHEET 619-524.

TABLE OF OPERATIONS													
PHASE	FACE	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	TIMING PLAN				
		1	2	3	4	5	6	7	8	INITIAL	EXTENSION	TIME	RECALL
øA		G	G	R	R	R	R	R	R	8	6	40	NO
1ST CL		Y	Y	R	R	R	R	R	R	-	-	3.5	
2ND CL		R	R	R	R	R	R	R	R	-	-	32	
øB		R	R	G	G	R	R	R	R	8	6	40	NO
1ST CL		R	R	Y	Y	R	R	R	R	-	-	3.5	
2ND CL		R	R	R	R	R	R	R	R	-	-	32	
øC		R	R	R	R	G	G	G	G	8	6	40	NO
1ST CL		R	R	R	R	Y	Y	Y	Y	-	-	3.5	
2ND CL		R	R	R	R	R	R	R	R	-	-	32	
øD		R	R	R	R	R	R	R	R	-	-	1.5	YES
1ST CL		R	R	R	R	R	R	R	R	-	-	0.5	
2ND CL		R	R	R	R	R	R	R	R	-	-	0.5	
EMERGENCY FLASH		FR	FR	FR	FR	FR	FR	FR	FR				



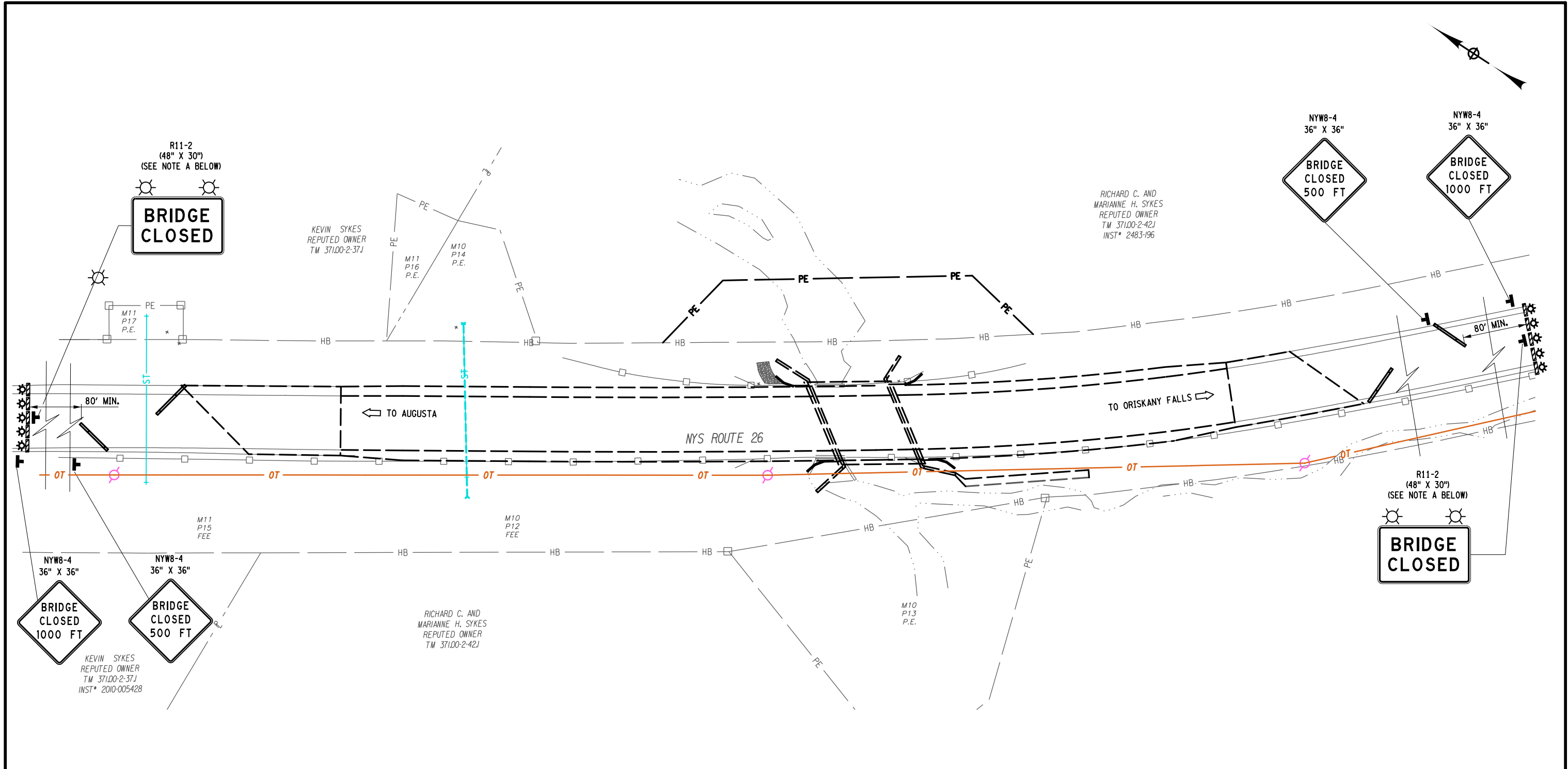
AFFIX SEAL: ON: 

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK					D265331	&L
	SH 8347					SITE 3	
	TOWN OF GEORGETOWN					WORK ZONE TRAFFIC CONTROL TEMPORARY TRAFFIC SIGNAL NOTES	
COUNTY: MADISON	REGION: 2					DRAWING NO. WZTC3-8	
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FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LCL11.cpl_mpl.ste 4.dgn
 DATE = 7/24/2014
 TIME = 1:43:03 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH



LEGEND:

- SIGNS (N MUTCD) PAYMENT UNDER ITEM 619.01
- TYPE 'A' FLASHER LIGHTING FOR SIGNS, PAYMENT UNDER ITEM 619.01
- TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
- TEMPORARY POSITIVE BARRIER CATEGORY 1 (PINNING PROHIBITED), ITEM 619.1711

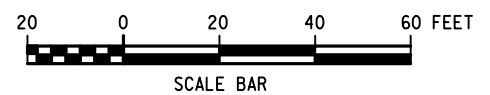
NOTES:

A - R11-2 (BRIDGE CLOSED) & R11-3b SIGNS TO BE INSTALLED ON THEIR OWN SIGN SUPPORT AND PLACED BEHIND THE TYPE III BARRICADE AT A 5 FOOT MOUNTING HEIGHT.

AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LCL12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331
	ROUTE 26 OVER SCONONDOA CREEK					SITE 4
	SH 369 AUGUSTA RD - ORISKANY FALLS SECTION				WORK ZONE TRAFFIC CONTROL PLAN	SHEET NO. 20
	TOWN OF AUGUSTA					
	COUNTY: ONEIDA	REGION: 2				

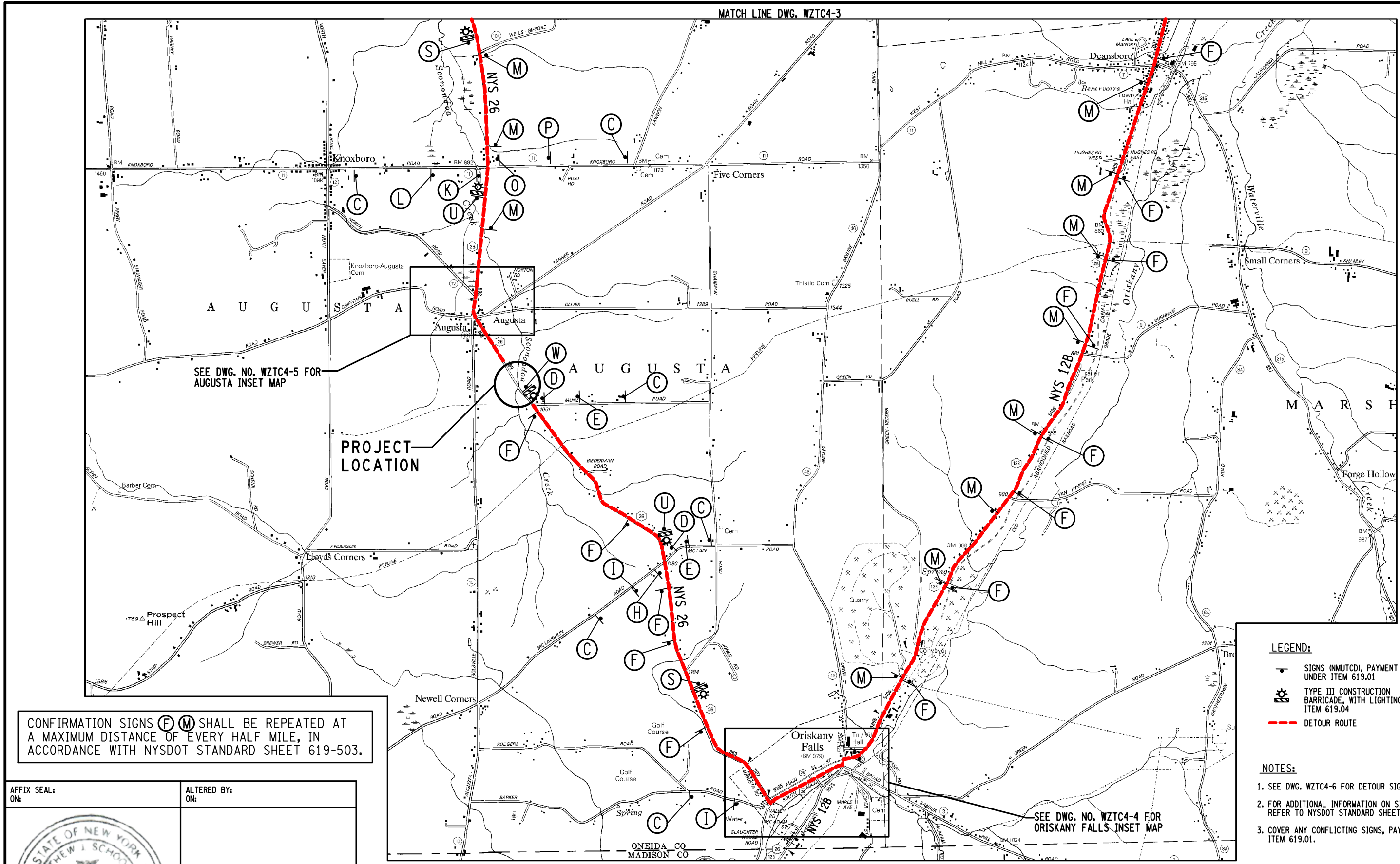


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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



FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LCL11.cpl_mpp2_sht 4.dgn
 DATE = 7/24/02
 TIME = 1:43:03 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH



SEE DWG. NO. WZTC4-5 FOR AUGUSTA INSET MAP

PROJECT LOCATION

CONFIRMATION SIGNS (F) (M) SHALL BE REPEATED AT A MAXIMUM DISTANCE OF EVERY HALF MILE, IN ACCORDANCE WITH NYS DOT STANDARD SHEET 619-503.

- LEGEND:**
- SIGNS (N MUTCD), PAYMENT UNDER ITEM 619.01
 - TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
 - DETOUR ROUTE

- NOTES:**
1. SEE DWG. WZTC4-6 FOR DETOUR SIGN FACE LAYOUTS.
 2. FOR ADDITIONAL INFORMATION ON SIGNS AND SPACING, REFER TO NYS DOT STANDARD SHEET 619-503.
 3. COVER ANY CONFLICTING SIGNS, PAYMENT UNDER ITEM 619.01.

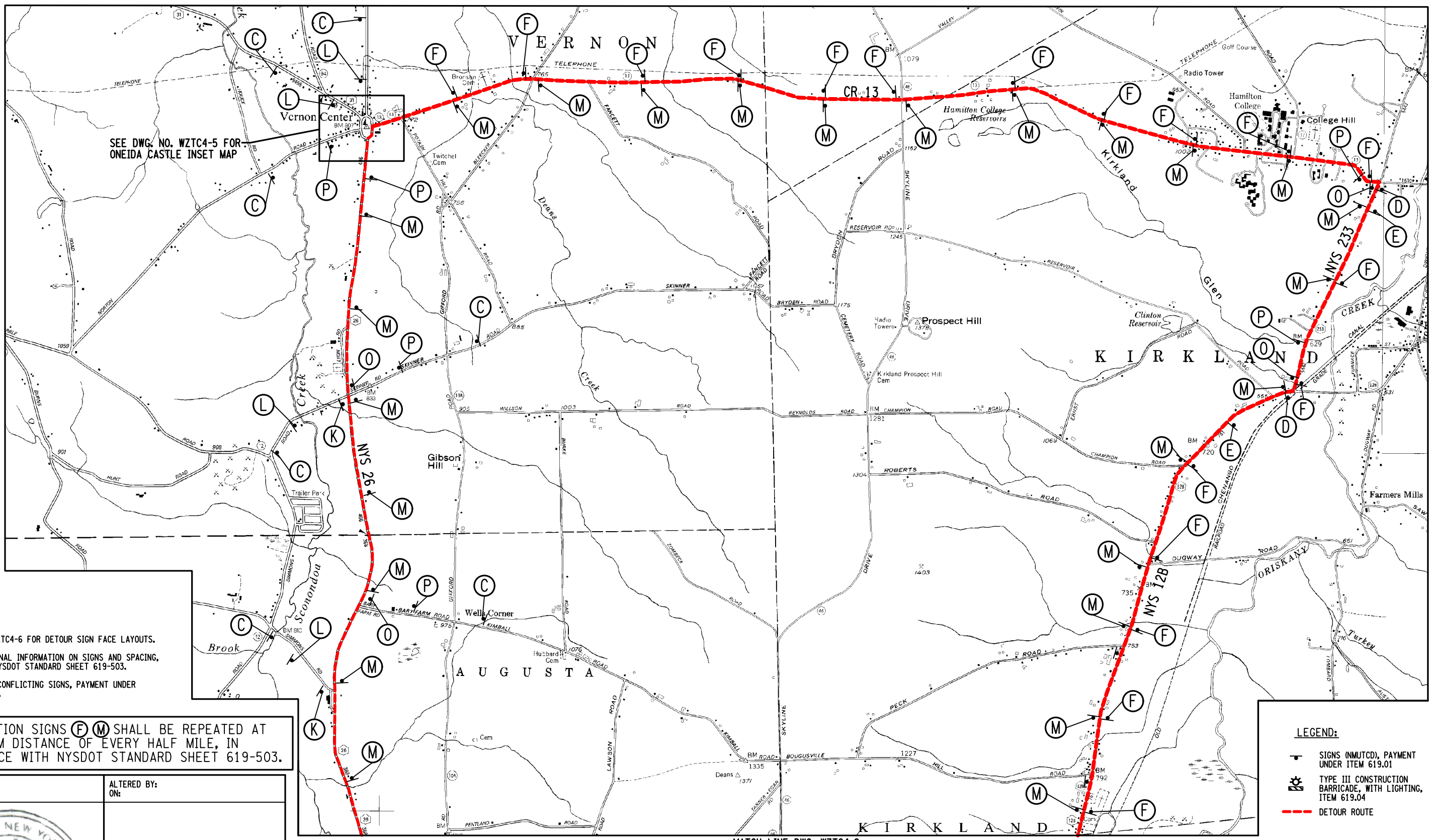
AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LCL12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 26 OVER SCONONDOA CREEK					SITE 4	
	SH 369 AUGUSTA RD - ORISKANY FALLS SECTION	TOWN OF AUGUSTA	REGION: 2			WORK ZONE TRAFFIC CONTROL DETOUR PLAN	SHEET NO. 21
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.							

FILE NAME = I:\Projects\2008\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LCL11.cpl_mpp3.ste 4.dgn
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



- NOTES:**
1. SEE DWG. WZTC4-6 FOR DETOUR SIGN FACE LAYOUTS.
 2. FOR ADDITIONAL INFORMATION ON SIGNS AND SPACING, REFER TO NYSOT STANDARD SHEET 619-503.
 3. COVER ANY CONFLICTING SIGNS, PAYMENT UNDER ITEM 619.01.

CONFIRMATION SIGNS (F) (M) SHALL BE REPEATED AT A MAXIMUM DISTANCE OF EVERY HALF MILE, IN ACCORDANCE WITH NYSOT STANDARD SHEET 619-503.

- LEGEND:**
- SIGNS (NMUTCD), PAYMENT UNDER ITEM 619.01
 - TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
 - - - DETOUR ROUTE



AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LCL12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 26 OVER SCONODOA CREEK						
	SH 369 AUGUSTA RD - ORISKANY FALLS SECTION						
TOWN OF AUGUSTA	REGION: 2	SITE 4 WORK ZONE TRAFFIC CONTROL DETOUR PLAN		DRAWING NO. WZTC4-3 SHEET NO. 22			

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



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 DATE = 7/24/2024
 TIME = 1:43:07 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



ORISKANY FALLS INSET MAP
 NOT TO SCALE

LEGEND:

- SIGNS (NMTCD), PAYMENT UNDER ITEM 619.01
- TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
- DETOUR ROUTE
- DIRECTION OF TRAVEL

NOTES:

1. SEE DWG. WZTC4-6 FOR DETOUR SIGN FACE LAYOUTS.
2. FOR ADDITIONAL INFORMATION ON SIGNS AND SPACING, REFER TO NYS DOT STANDARD SHEET 619-503.
3. COVER ANY CONFLICTING SIGNS, PAYMENT UNDER ITEM 619.01.

AFFIX SEAL: ON:	ALTERED BY: ON:

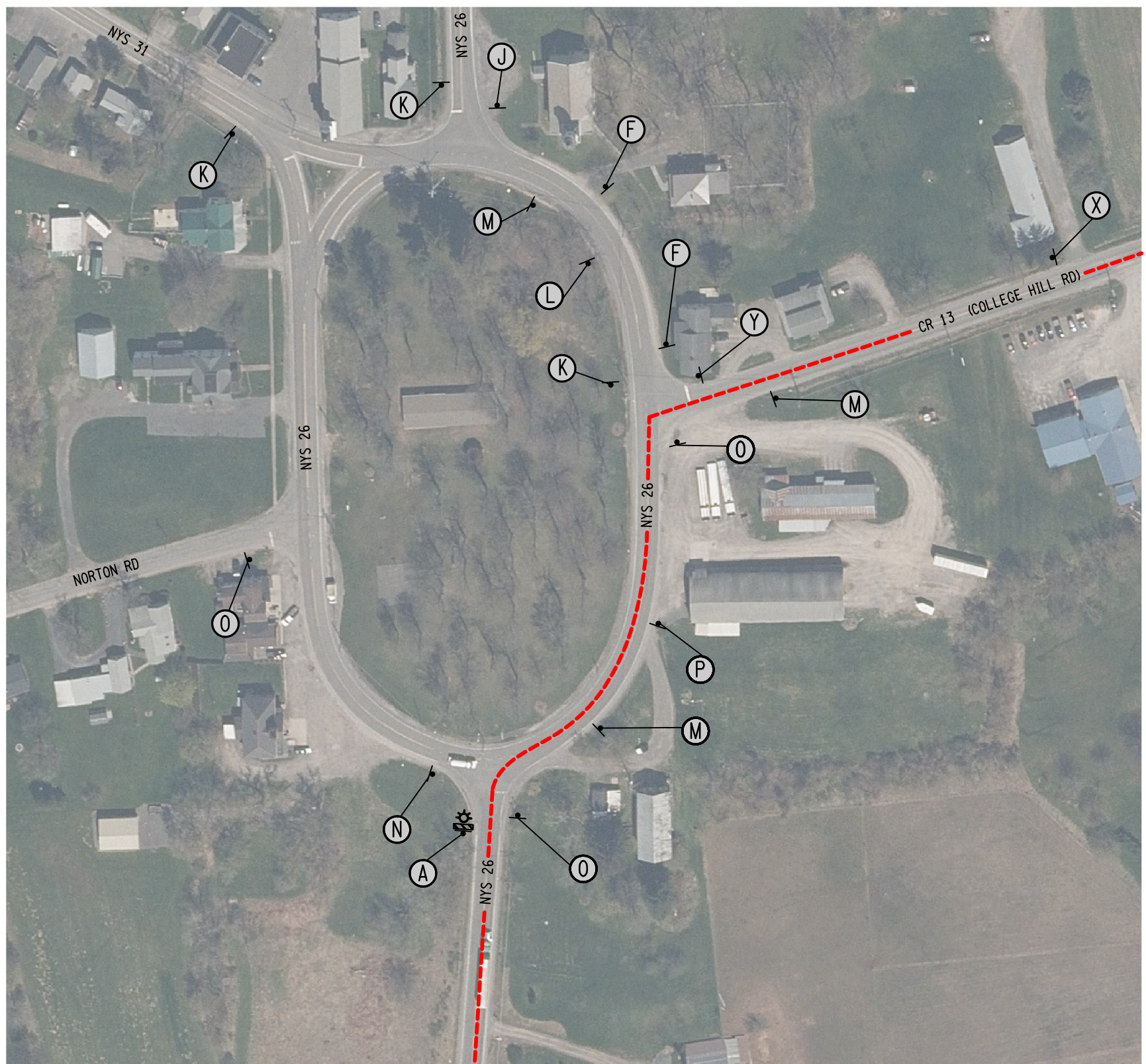
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						DRAWING NO. WZTC4-4 SHEET NO. 23	 Department of Transportation

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LCL11.cpl_mpp5_site 4.dgn
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 TIME = 1:43:14 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH



AUGUSTA INSET MAP
 NOT TO SCALE




VERNON CENTER INSET MAP
 NOT TO SCALE


LEGEND:

- SIGNS (N MUTCD), PAYMENT UNDER ITEM 619.01
- ☒ TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
- DETOUR ROUTE

NOTES:

1. SEE DWG. WZTC4-6 FOR DETOUR SIGN FACE LAYOUTS.
2. FOR ADDITIONAL INFORMATION ON SIGNS AND SPACING, REFER TO NYS DOT STANDARD SHEET 619-503.
3. COVER ANY CONFLICTING SIGNS, PAYMENT UNDER ITEM 619.01.

AFFIX SEAL: ON:	ALTERED BY: ON:
	

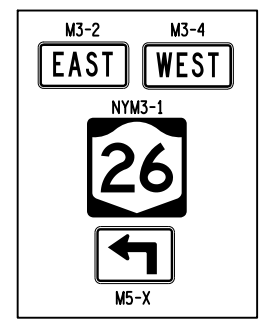
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.					DRAWING NO. WZTC4-5 SHEET NO. 24	 Department of Transportation	

FILE NAME = I:\Projects\2008\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LCL11.cpl.mpt.site 4.dgn
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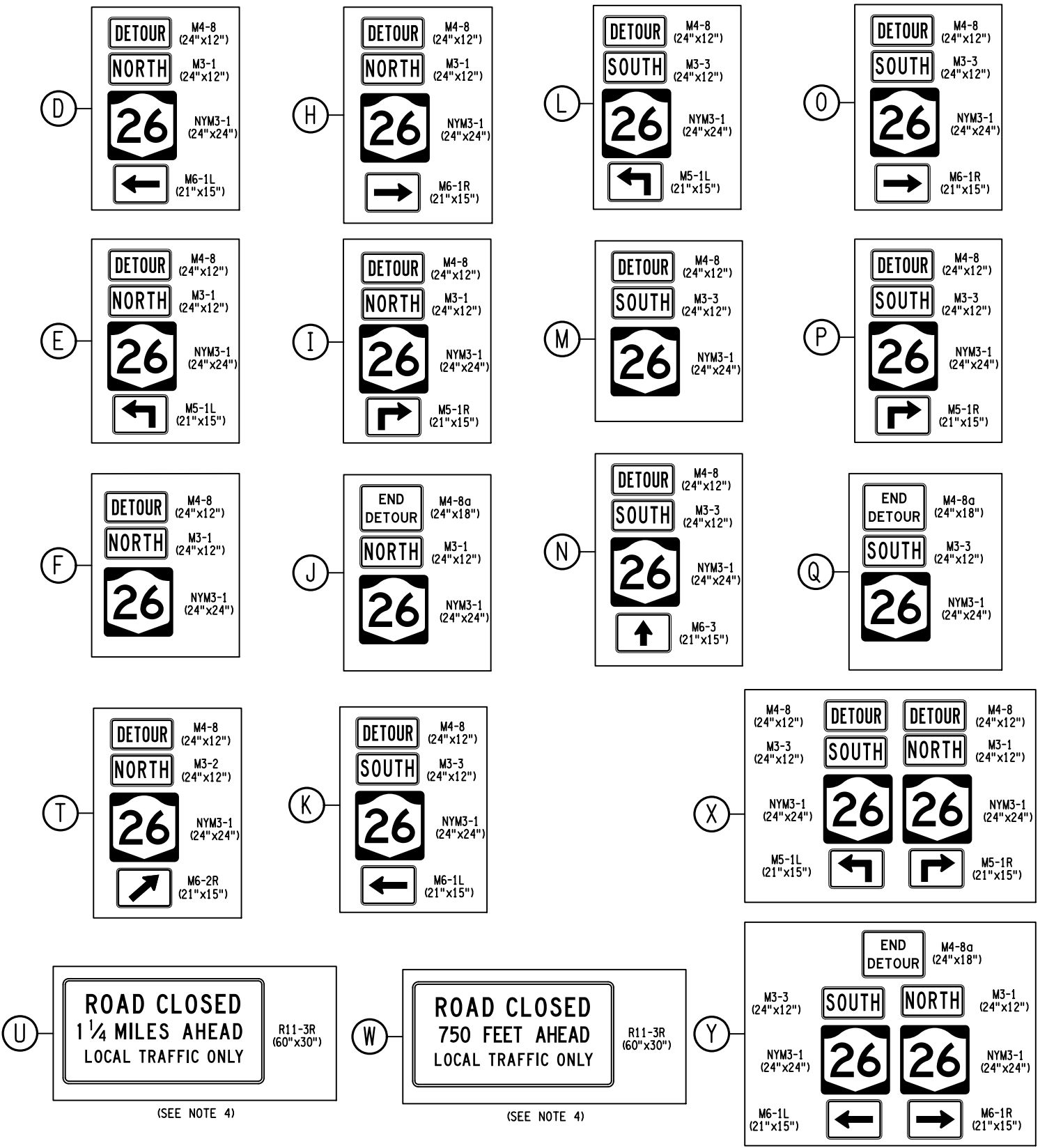
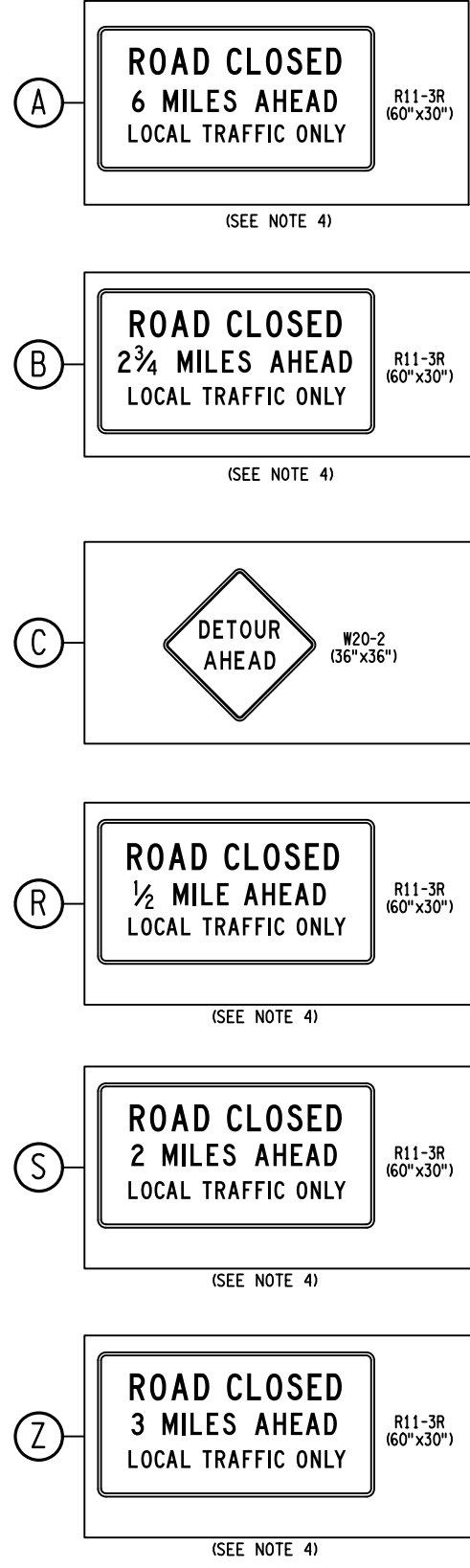
DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH

DETOUR SIGN TABLE

- NOTES:**
- SEE DWGS. WZTC4-2 TO WZTC4-5 FOR DETOUR SIGN LOCATIONS.
 - FOR ADDITIONAL INFORMATION ON SIGNS AND SPACING, REFER TO NYSDOT STANDARD SHEET 619-503.
 - COVER ANY CONFLICTING SIGNS, PAYMENT UNDER ITEM 619.01.
 - R11-3R SIGNS SHALL BE INSTALLED ON THEIR OWN SIGN STANDS AT 5' MOUNTING HEIGHT, AND PLACED BEHIND THE TYPE III BARRICADE, (SIGN CAN BE LOCATED AT EDGE OF TRAVELED WAY).



ALL NYM3-2, M3-X, M5-X, AND M6-X ARROW SIGNS AND CARDINAL DIRECTION SIGNS SHALL BE WHITE AND BLACK (TYP.)



AFFIX SEAL: ON: _____

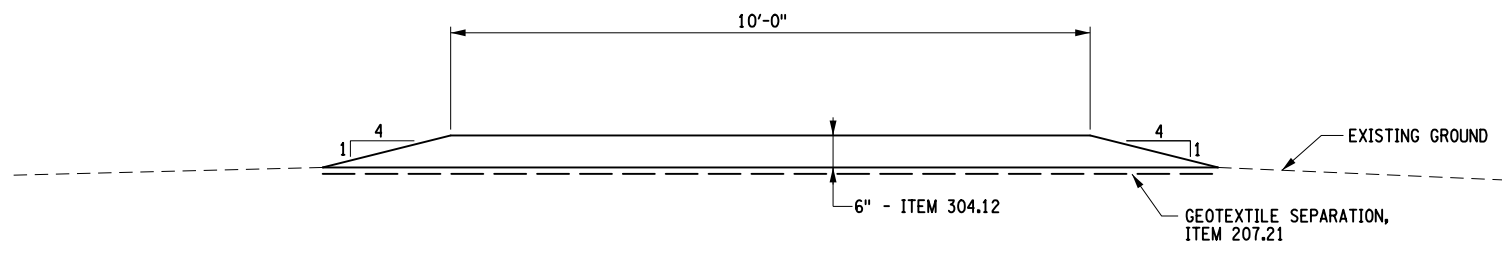
ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LCL1.12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 26 OVER SCONONDOA CREEK					D265331	
	SH 369 AUGUSTA RD - ORISKANY FALLS SECTION					DRAWING NO. WZTC4-6	
	TOWN OF AUGUSTA					SHEET NO. 25	
COUNTY: ONEIDA	REGION: 2	WORK ZONE TRAFFIC CONTROL SIGNFACE LAYOUTS			SITE 4		NEW YORK STATE OF OPPORTUNITY Department of Transportation

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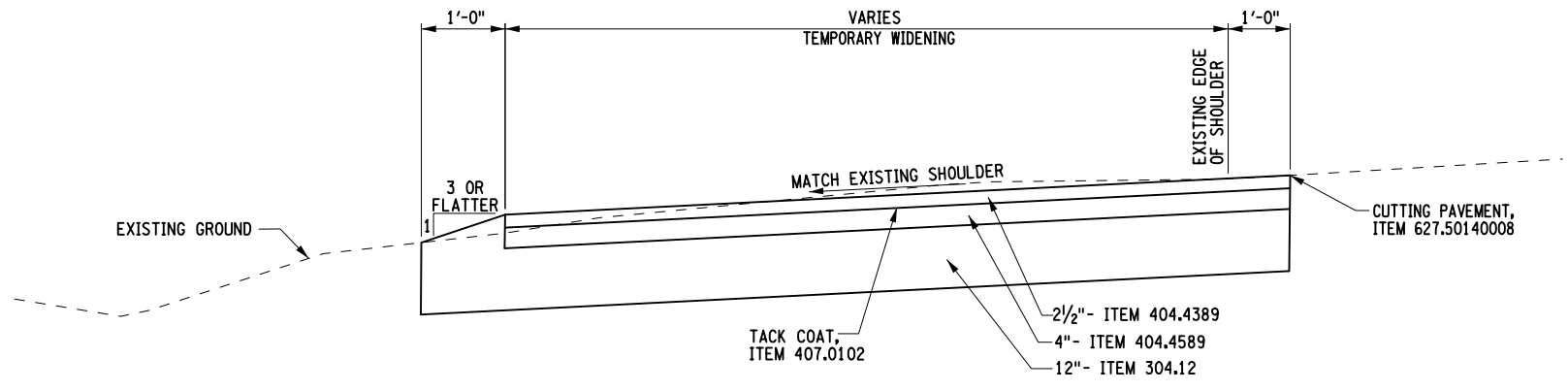
FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116.2LCL11.cph.mpd.site_6.dgn
 DATE = 7/24/2024
 TIME = 1:53:19 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH



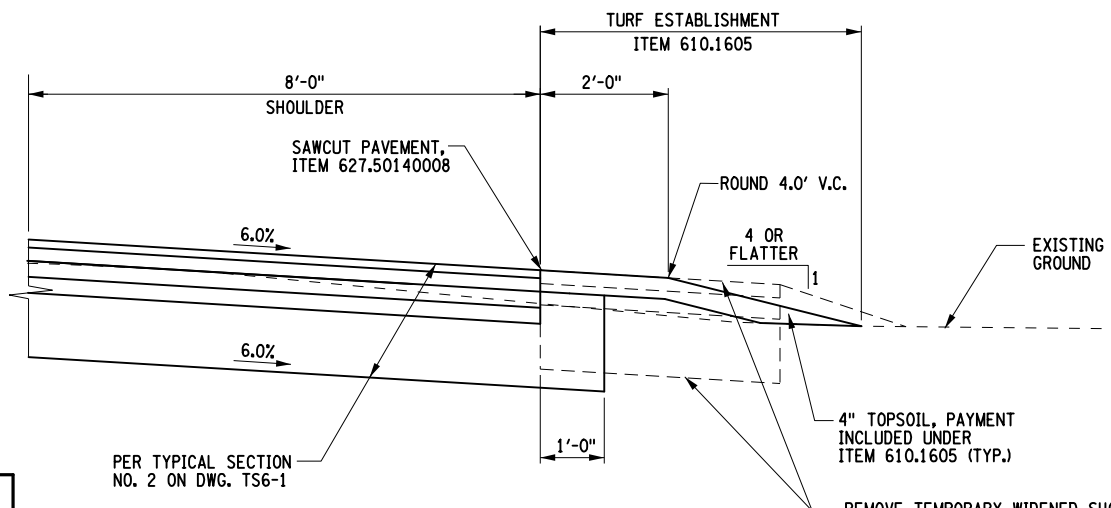
TEMPORARY DRIVEWAY RELOCATION DETAIL

LOCATION:
 STA. 12+33.00; RT.



TEMPORARY WIDENING DETAIL

(REFER TO DWGS. WZTC6-3, WZTC6-4 & WZTC6-5 FOR LOCATIONS)



REMOVAL OF WIDENED SHOULDER USED DURING STAGE 3 CONSTRUCTION

(REFER TO DWGS. WZTC6-4 & WZTC6-5 FOR LOCATIONS)

SUGGESTED SEQUENCE OF CONSTRUCTION

THE SUGGESTED SEQUENCE OF CONSTRUCTION IS INTENDED TO SERVE AS AN OUTLINE AND GUIDE, AND THEREFORE INCLUDES MAJOR STEPS IN THE CONSTRUCTION SEQUENCE ONLY AND IS NOT ALL INCLUSIVE.

STAGE 1 - WORK ZONE TRAFFIC CONTROL

1. USE DAILY LANE AND SHOULDER CLOSURES TO INSTALL PROPOSED SEWER, REFER TO NYSOT STANDARD SHEET 619-301 AND 619-307 FOR WZTC.
2. USE DAILY LANE AND SHOULDER CLOSURES TO INSTALL SHOULDER WIDENING, REFER TO NYSOT STANDARD SHEET 619-407 AND 619-410 FOR WZTC.
3. FOR DRIVEWAY RELOCATION, REFER TO NYSOT STANDARD SHEET 619-310 FOR WZTC.

STAGE 1 - CONSTRUCTION

1. INSTALL ALL NECESSARY EROSION CONTROL MEASURES FOR THIS STAGE.
2. INSTALL SHOULDER WIDENING, SEE DETAIL ON THIS SHEET AND REFER TO WZTC6-3 FOR PLAN.
3. RELOCATE SANITARY LINE, REFER TO DWG. UD6-1 AND UP6-1 FOR DETAILS AND PLAN.
4. RELOCATE DRIVEWAY STA. 12+91; RT., SEE DETAIL ON THIS SHEET AND REFER TO WZTC6-3 FOR PLAN.

STAGE 2 - WORK ZONE TRAFFIC CONTROL

1. INSTALL ALL CONSTRUCTION SIGNS, TYPE III BARRICADES, TEMPORARY POSITIVE BARRIER, PLASTIC DRUMS, AND TEMPORARY STRIPING AS SHOWN ON DWGS. WZTC6-4 - WZTC6-5.
2. MAINTAIN TWO 10' LANES OF VEHICULAR TRAFFIC ON THE NORTH SIDE OF THE EXISTING CULVERT AS SHOWN ON WZTC6-4 AND WZTC6-5.

STAGE 2 - CONSTRUCTION

1. INSTALL ALL NECESSARY EROSION CONTROL MEASURES FOR THIS STAGE.
2. INSTALL SHEETING AND LAGGING AS SHOWN ON DWG. WZTC6-8.
3. REMOVE STAGE 2 PORTION OF THE EXISTING CULVERT AND CONSTRUCT STAGE 2 PORTION OF PROPOSED CULVERT.
4. RECONSTRUCT EASTBOUND LANE. PAVE THRU BINDER COURSE ONLY.

STAGE 3 - WORK ZONE TRAFFIC CONTROL

1. INSTALL ALL CONSTRUCTION SIGNS, TYPE III BARRICADES, TEMPORARY POSITIVE BARRIER, PLASTIC DRUMS, AND TEMPORARY STRIPING AS SHOWN ON DWGS. WZTC6-6, AND WZTC6-7.
2. MAINTAIN TWO 10' LANES OF VEHICULAR TRAFFIC ON THE SOUTH SIDE OF THE EXISTING CULVERT AS SHOWN ON DWG. WZTC6-6 AND WZTC6-7.

STAGE 3 - CONSTRUCTION

1. INSTALL ALL NECESSARY EROSION CONTROL MEASURES FOR THIS STAGE.
2. REMOVE SHOULDER WIDENING ON NORTHERN SHOULDER.
3. REMOVE PORTIONS OF SHEETING AS SHOWN ON WZTC6-9.
4. REMOVE STAGE 3 PORTION OF THE EXISTING CULVERT AND CONSTRUCT STAGE 3 PORTION OF PROPOSED CULVERT.
5. RECONSTRUCT WESTBOUND LANE. PAVE THRU BINDER COURSE ONLY.

STAGE 4 - WORK ZONE TRAFFIC CONTROL

1. USE DAILY LANE CLOSURES TO INSTALL TOP COURSE, REFER TO NYSOT STANDARD SHEET 619-310.
2. REMOVE ALL WZTC DEVICES AND MEASURES ONCE STAGE 4 IS COMPLETE.

STAGE 4 - CONSTRUCTION

1. INSTALL ALL NECESSARY EROSION CONTROL MEASURES FOR THIS STAGE.
2. REMOVE WIDENING ON SOUTH SIDE USED DURING STAGE 3.
3. RECONSTRUCT DRIVEWAYS.
4. INSTALL TOP COURSE THROUGHOUT PROJECT LIMITS.
5. REMOVE EROSION CONTROL MEASURES ONCE STAGE 4 IS COMPLETE.

AFFIX SEAL: ON:
 ALTERED BY: ON:



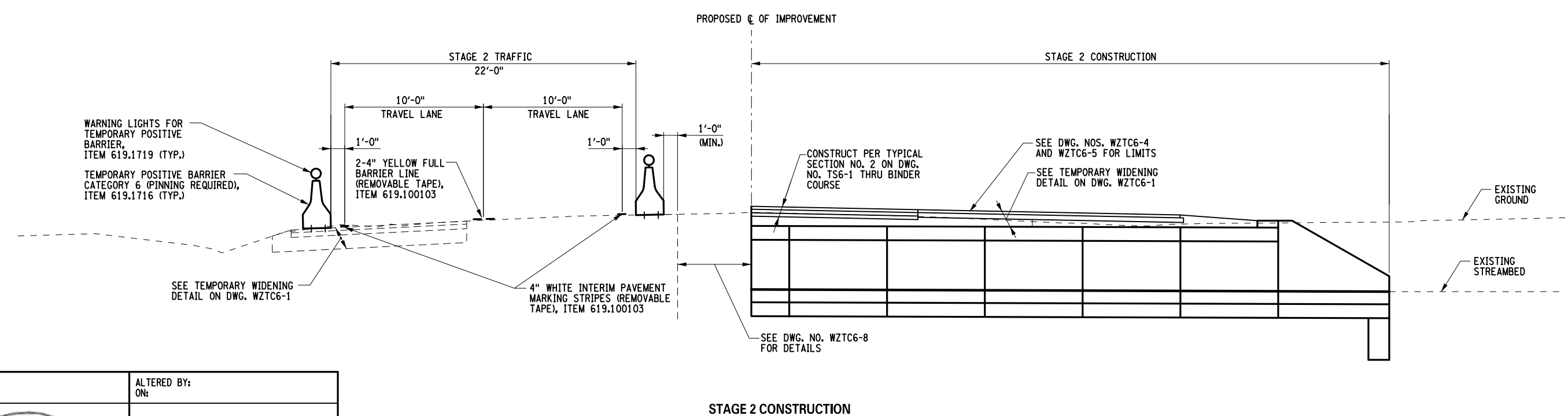
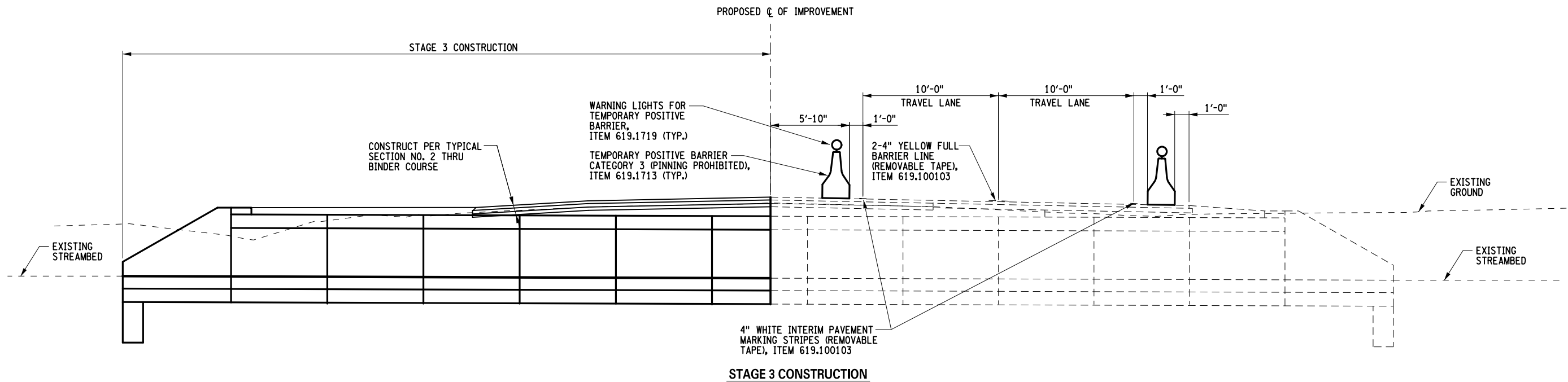
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 5B OVER TRIBUTARY OF MUD CREEK				SITE 6	DRAWING NO. WZTC6-1	
	SH 54-2				WORK ZONE TRAFFIC CONTROL DETAILS	SHEET NO. 26	
	TOWN OF NEW HARTFORD						


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




FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116\2LC111.cph.mpd.site 6.dgn
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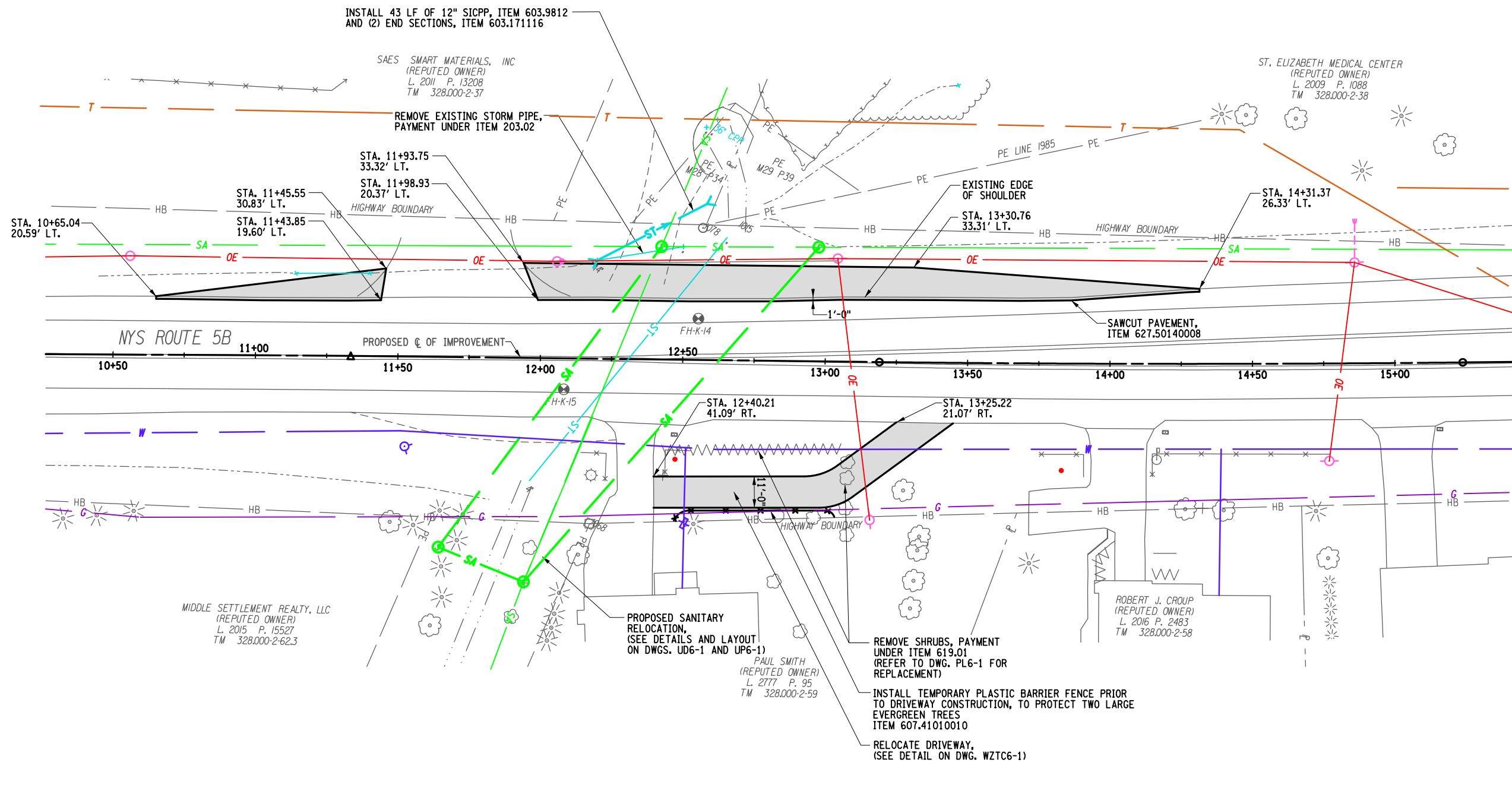
DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



AFFIX SEAL: ON: 

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 5B OVER TRIBUTARY OF MUD CREEK						
	SH 54-2				SITE 6 WORK ZONE TRAFFIC CONTROL STAGING SECTIONS	DRAWING NO. WZTC6-2	
	TOWN OF NEW HARTFORD					SHEET NO. 27	
	COUNTY: ONEIDA	REGION: 2					
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.						 Department of Transportation	



NOTES:
 1. REFER TO SUGGESTED SEQUENCE OF CONSTRUCTION ON DWG. WZTC6-2.

AFFIX SEAL: ON:

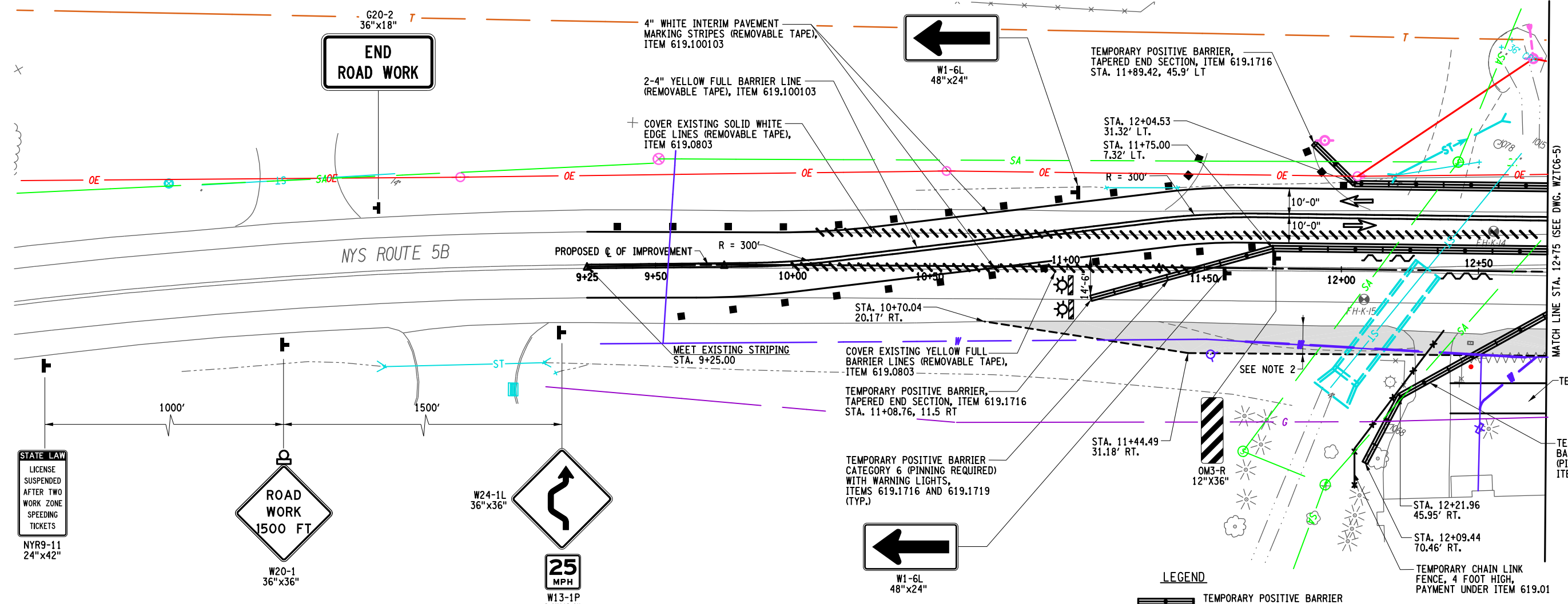
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AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 5B OVER TRIBUTARY OF MUD CREEK SH 54-2 TOWN OF NEW HARTFORD COUNTY: ONEIDA REGION: 2	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
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.					SITE 6 WORK ZONE TRAFFIC CONTROL PLAN STAGE 1 CONSTRUCTION	DRAWING NO. WZTC6-3 SHEET NO. 28	

LEGEND
 TEMPORARY WIDENING AND DRIVEWAY RELOCATION (SEE DETAILS ON DWG. WZTC6-1)

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116.2\CL11.cph.mpp_02.site 6.dwg
 DATE = 7/24/2024
 TIME = 1:43:22 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH



STATE LAW
 LICENSE
 SUSPENDED
 AFTER TWO
 WORK ZONE
 SPEEDING
 TICKETS
 NYR9-11
 24"x42"

ROAD
 WORK
 1500 FT
 W20-1
 36"x36"

W24-1L
 36"x36"

25
 MPH
 W13-1P
 24"x24"

W1-6L
 48"x24"

- LEGEND**
- TEMPORARY POSITIVE BARRIER WITH WARNING LIGHTS
 - DIRECTION OF TRAVEL
 - TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
 - TYPE 'B' HIGH INTENSITY FLASHING WARNING LIGHT, PAYMENT UNDER ITEM 619.01
 - CONSTRUCTION SIGN, PAYMENT UNDER ITEM 619.01
 - CHANNELIZING DEVICE, PAYMENT UNDER ITEM 619.01
 - TEMPORARY SHEETING, ITEM 552.13
 - TEMPORARY ROAD WIDENING (SEE DETAILS ON DWG. WZTC6-1)

- NOTES:**
- REFER TO NYSDOT STANDARD SHEET 619-524 FOR ADDITIONAL INFORMATION.
 - REFER TO STAGE 4 NOTE IN THE SUGGESTED SEQUENCE OF CONSTRUCTION ON DWG. WZTC6-1.

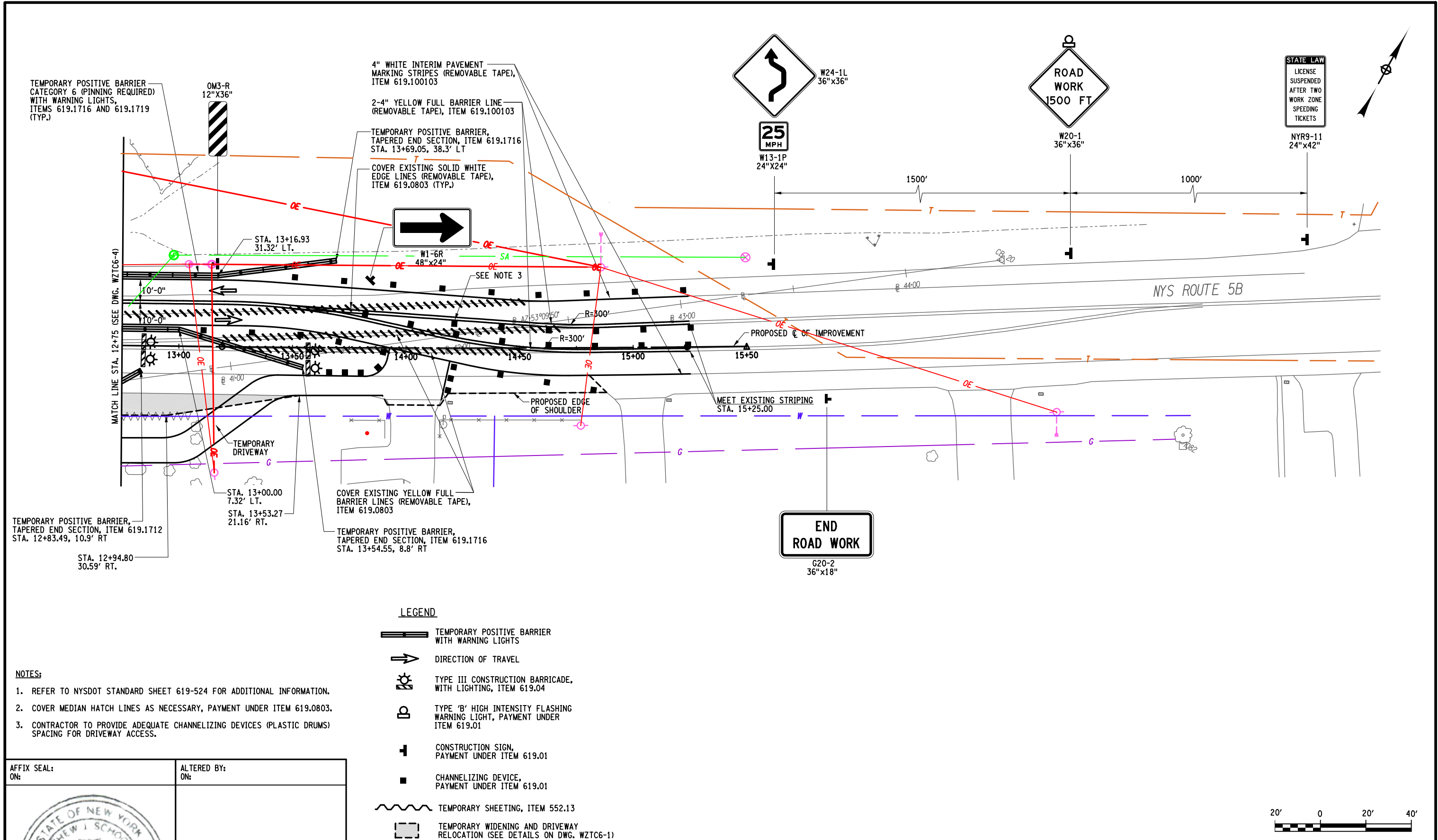
AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 5B OVER TRIBUTARY OF MUD CREEK					D265331	
	SH 54-2				SITE 6 WORK ZONE TRAFFIC CONTROL PLAN STAGE 2 CONSTRUCTION	DRAWING NO. WZTC6-4	
	TOWN OF NEW HARTFORD					SHEET NO. 29	
	COUNTY: ONEIDA	REGION: 2					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.							

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116\2LC11.cph_mpp_03.site 6.dgn
 DATE = 7/24/2024
 TIME = 1:43:23 PM

DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



- NOTES:**
- REFER TO NYSDOT STANDARD SHEET 619-524 FOR ADDITIONAL INFORMATION.
 - COVER MEDIAN HATCH LINES AS NECESSARY, PAYMENT UNDER ITEM 619.0803.
 - CONTRACTOR TO PROVIDE ADEQUATE CHANNELIZING DEVICES (PLASTIC DRUMS) SPACING FOR DRIVEWAY ACCESS.

- LEGEND**
- TEMPORARY POSITIVE BARRIER WITH WARNING LIGHTS
 - DIRECTION OF TRAVEL
 - TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
 - TYPE 'B' HIGH INTENSITY FLASHING WARNING LIGHT, PAYMENT UNDER ITEM 619.01
 - CONSTRUCTION SIGN, PAYMENT UNDER ITEM 619.01
 - CHANNELIZING DEVICE, PAYMENT UNDER ITEM 619.01
 - TEMPORARY SHEETING, ITEM 552.13
 - TEMPORARY WIDENING AND DRIVEWAY RELOCATION (SEE DETAILS ON DWG. WZTC6-1)

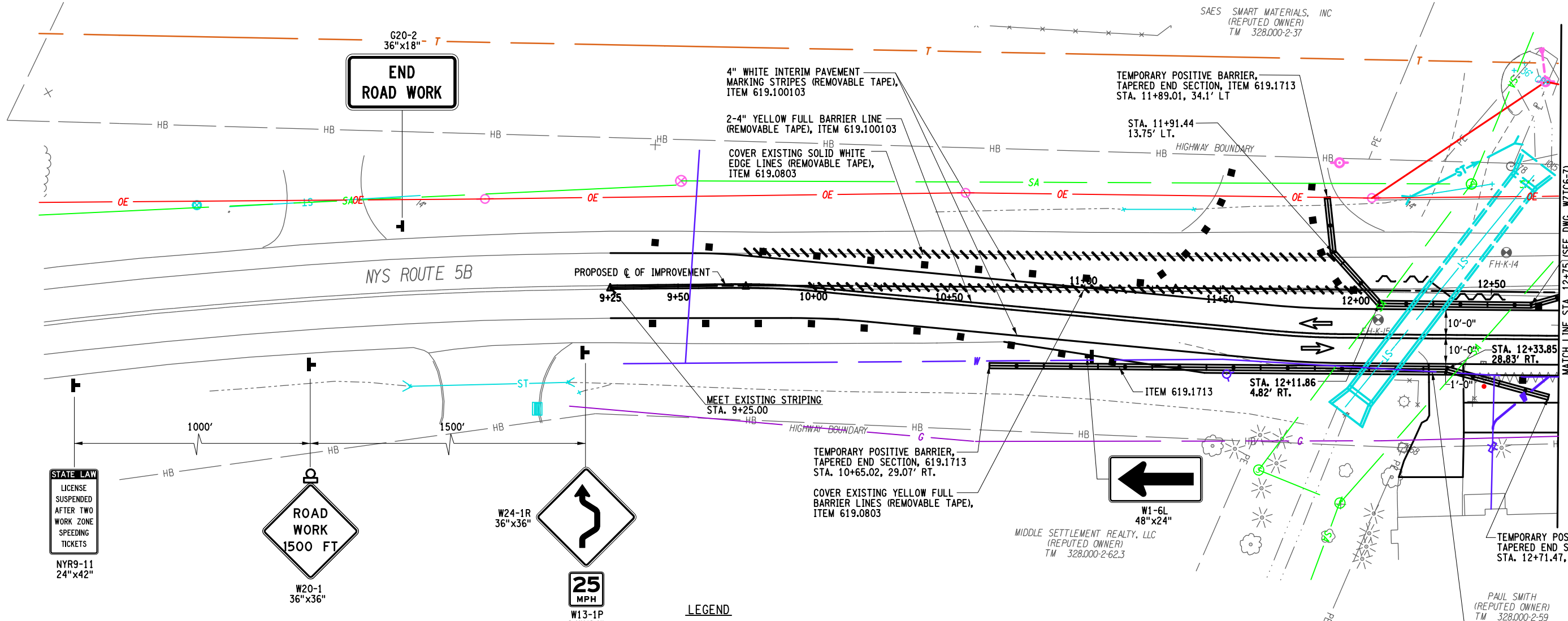
AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 5B OVER TRIBUTARY OF MUD CREEK					D265331	
	SH 54-2					DRAWING NO. WZTC6-5	
	TOWN OF NEW HARTFORD					SHEET NO. 30	
	COUNTY: ONEIDA	REGION: 2					
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.							
						Department of Transportation	



FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116.2\CL11.cph_mpp_04_site 6.dgn
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 I:\MicroStation\Bentley V8\Workspace\System\ptc\fg\pdf\ptc\fg

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH



STATE LAW
 LICENSE
 SUSPENDED
 AFTER TWO
 WORK ZONE
 SPEEDING
 TICKETS
 NYR9-11
 24"x42"

ROAD WORK
 1500 FT
 W20-1
 36"x36"

W24-1R
 36"x36"
 25
 MPH
 W13-1P
 24"x24"

- LEGEND**
- TEMPORARY POSITIVE BARRIER WITH WARNING LIGHTS
 - DIRECTION OF TRAVEL
 - TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
 - TYPE 'B' HIGH INTENSITY FLASHING WARNING LIGHT, PAYMENT UNDER ITEM 619.01
 - CONSTRUCTION SIGN, PAYMENT UNDER ITEM 619.01
 - CHANNELIZING DEVICE, PAYMENT UNDER ITEM 619.01
 - TEMPORARY SHEETING ITEM 552.13

NOTES:
 1. REFER TO NYSDOT STANDARD SHEET 619-524 FOR ADDITIONAL INFORMATION.

AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B &L
	ROUTE 5B OVER TRIBUTARY OF MUD CREEK					DRAWING NO. WZTC6-6	
	SH 54-2				SITE 6 WORK ZONE TRAFFIC CONTROL PLAN STAGE 3 CONSTRUCTION	SHEET NO. 31	
	TOWN OF NEW HARTFORD						
	COUNTY: ONEIDA	REGION: 2					

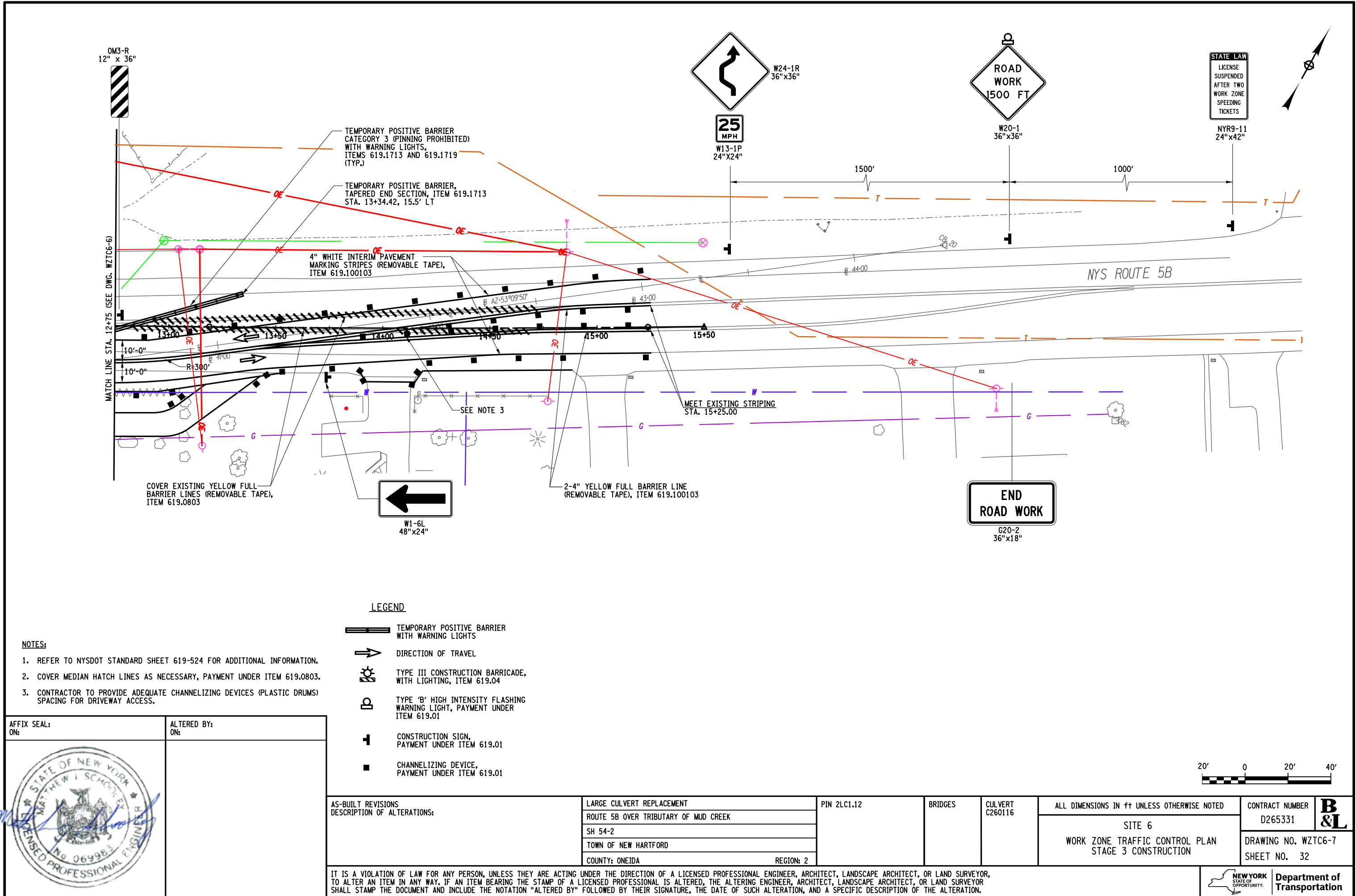
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

NEW YORK STATE OF OPPORTUNITY
 Department of Transportation



FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116.2LC11.cph_mpp_05.site 6.dgn
 DATE = 7/24/2024
 TIME = 1:43:24 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH



- NOTES:**
- REFER TO NYSDOT STANDARD SHEET 619-524 FOR ADDITIONAL INFORMATION.
 - COVER MEDIAN HATCH LINES AS NECESSARY, PAYMENT UNDER ITEM 619.0803.
 - CONTRACTOR TO PROVIDE ADEQUATE CHANNELIZING DEVICES (PLASTIC DRUMS) SPACING FOR DRIVEWAY ACCESS.

- LEGEND**
- TEMPORARY POSITIVE BARRIER WITH WARNING LIGHTS
 - DIRECTION OF TRAVEL
 - TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
 - TYPE 'B' HIGH INTENSITY FLASHING WARNING LIGHT, PAYMENT UNDER ITEM 619.01
 - CONSTRUCTION SIGN, PAYMENT UNDER ITEM 619.01
 - CHANNELIZING DEVICE, PAYMENT UNDER ITEM 619.01

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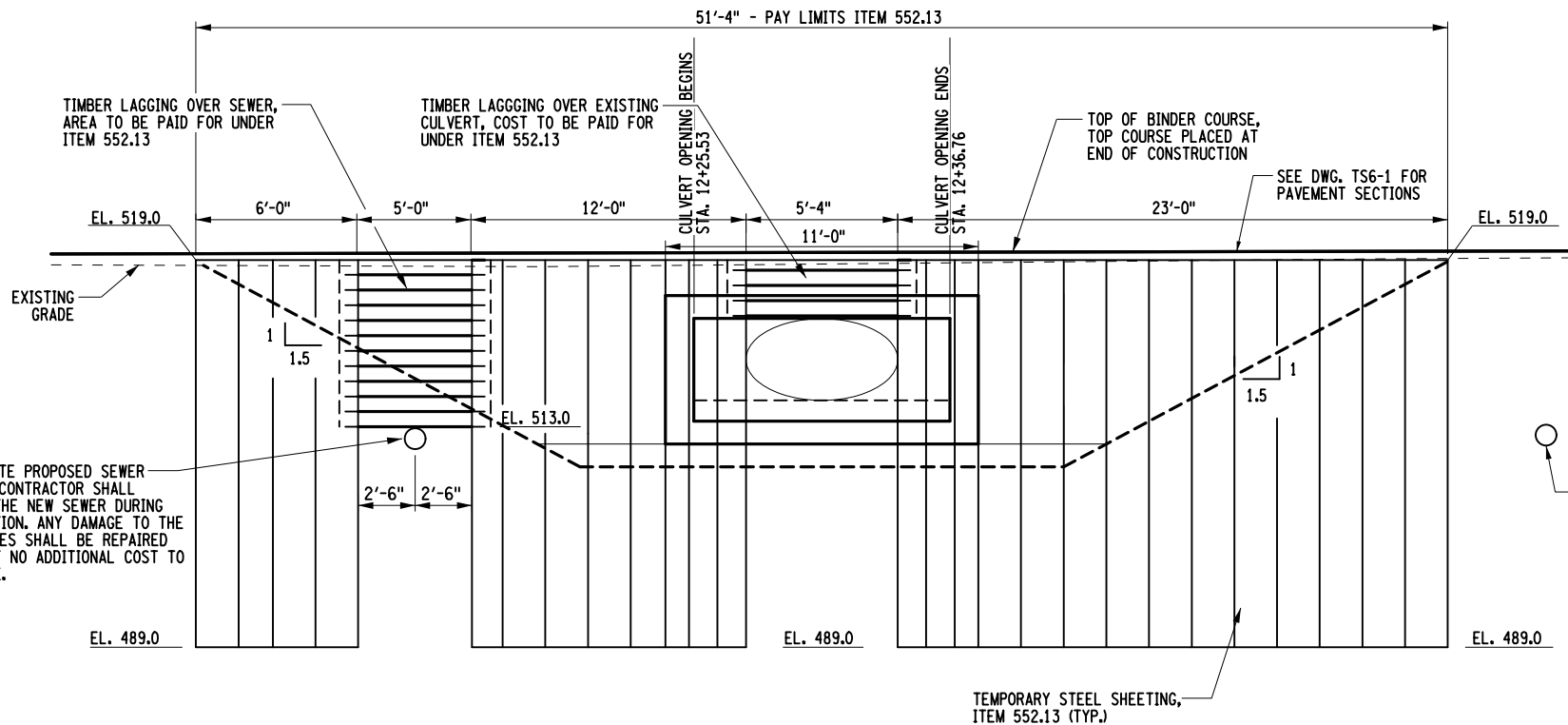
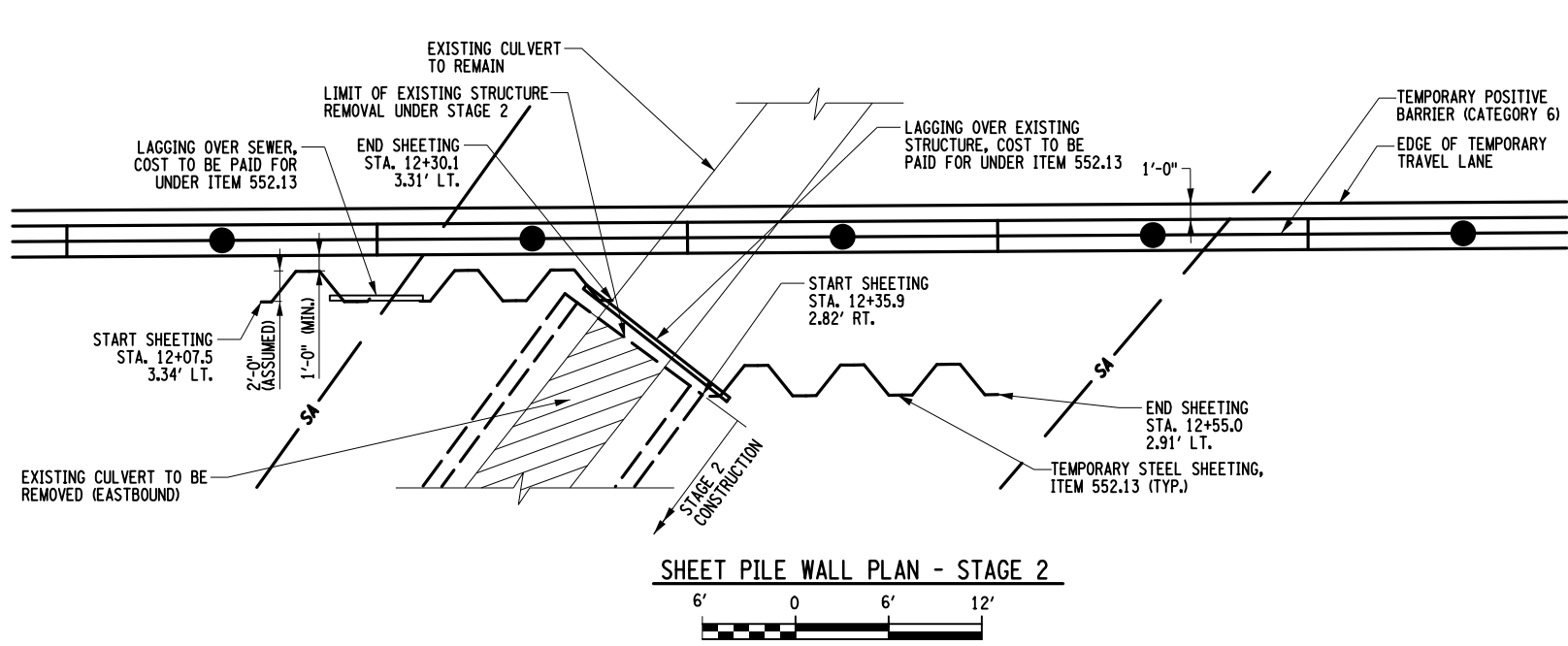
ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 5B OVER TRIBUTARY OF MUD CREEK					D265331	
	SH 54-2						
	TOWN OF NEW HARTFORD						
	COUNTY: ONEIDA	REGION: 2				DRAWING NO. WZTC6-7	
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.						Department of Transportation	



FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116\2LC111.cph_mpp_06.ste_6.dgn
 DATE = 7/24/2014
 TIME = 1:43:25 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH




SHEET PILE NOTES:


1. THE SHEET PILES PROVIDED SHALL HAVE A MIN. Sx OF 48.5 in³/ft.
2. THE MAXIMUM EXPOSED HEIGHT OF LAGGING SHALL BE 6'-0".
3. THE LAGGING PROVIDED SHALL BE SOUTHERN PINE, No. 2, 4"x4" ROUGH CUT OR BETTER.

APPROXIMATE PROPOSED SEWER LOCATION CONTRACTOR SHALL PROTECT THE NEW SEWER DURING CONSTRUCTION. ANY DAMAGE TO THE SEWER LINES SHALL BE REPAIRED A.O.B.E. AT NO ADDITIONAL COST TO THE STATE.

APPROXIMATE PROPOSED SEWER LOCATION CONTRACTOR SHALL PROTECT THE NEW SEWER DURING CONSTRUCTION. ANY DAMAGE TO THE SEWER LINES SHALL BE REPAIRED A.O.B.E. AT NO ADDITIONAL COST TO THE STATE.

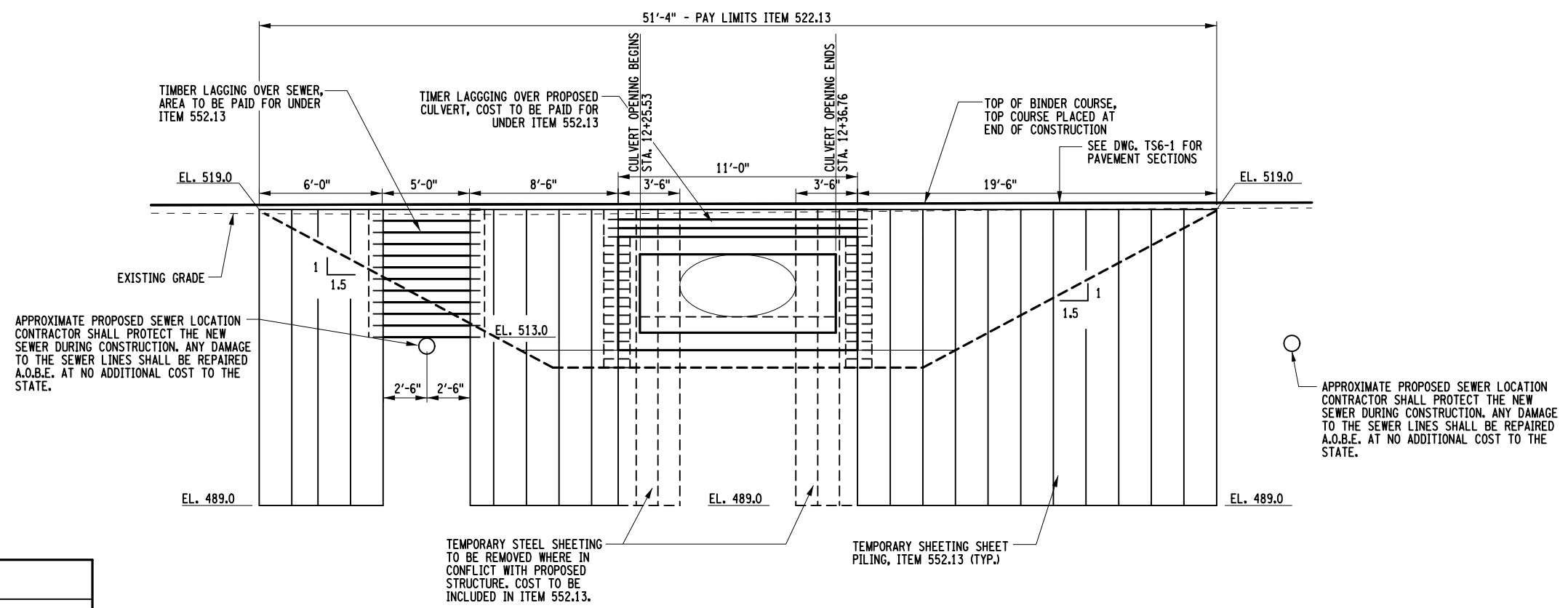
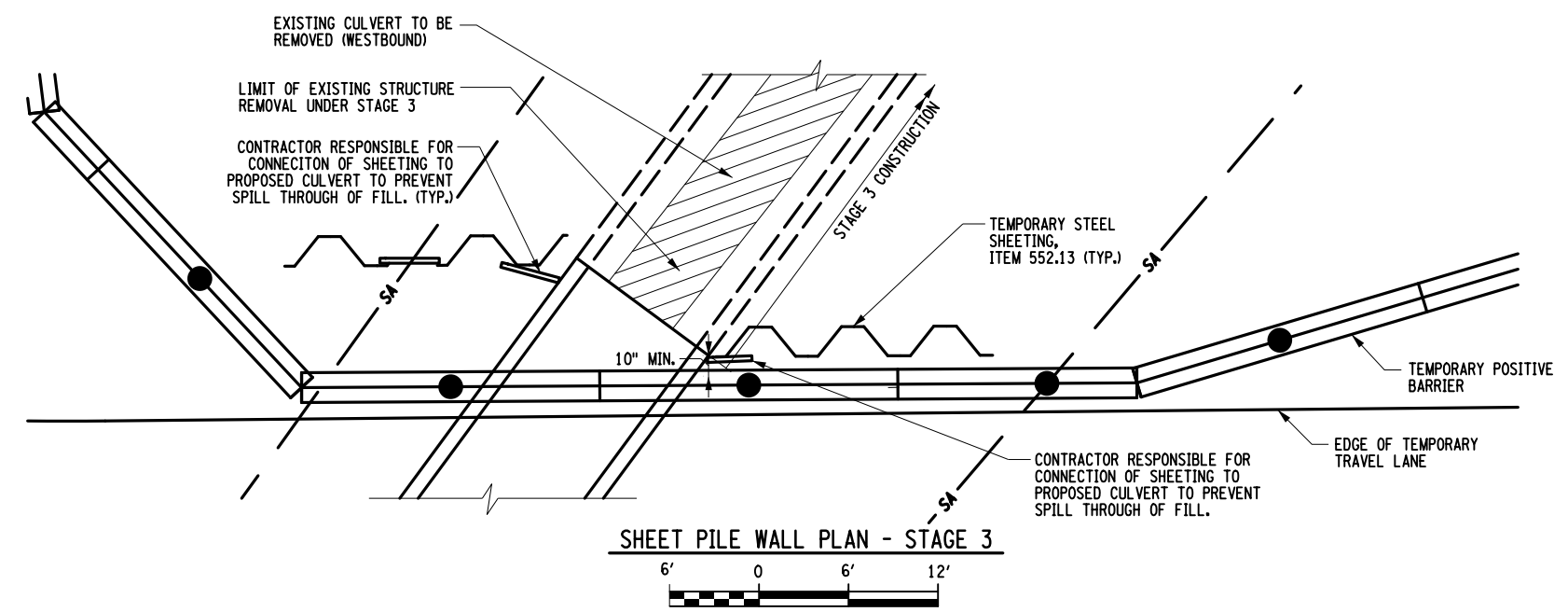
AFFIX SEAL: ON: 

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:		LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
		ROUTE 5B OVER TRIBUTARY OF MUD CREEK				SITE 6	DRAWING NO. WZTC6-8	
		SH 54-2				WORK ZONE TRAFFIC CONTROL	SHEET NO. 33	
		TOWN OF NEW HARTFORD				STAGE 2 CONSTRUCTION		
		COUNTY: ONEIDA	REGION: 2					
<p>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.</p>								
							 Department of Transportation	

FILE NAME = I:\Projects\2008\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116\2LC111.cph_mpp_07_site 6.dgn
 DATE = 7/24/08
 TIME = 1:43:25 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH



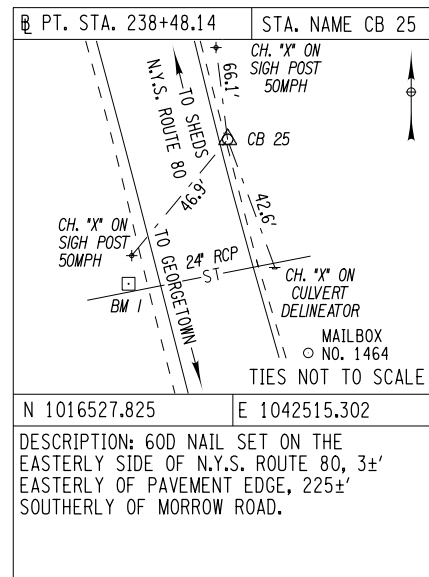
SHEET PILE WALL SECTION- STAGE 3
 SCALE: 1/8" = 1'-0"

AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

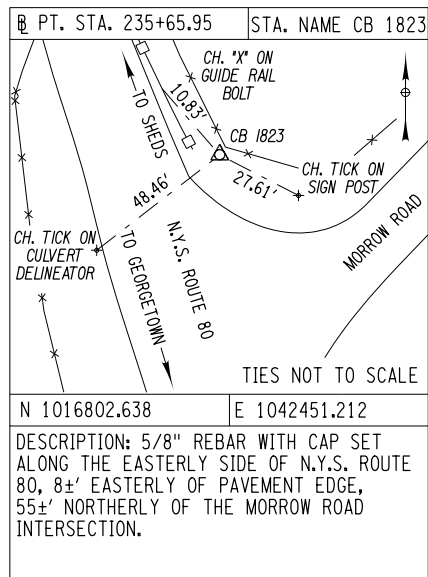
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 5B OVER TRIBUTARY OF MUD CREEK					SITE 6 WORK ZONE TRAFFIC CONTROL STAGE 3 CONSTRUCTION	
	SH 54-2						
	TOWN OF NEW HARTFORD						
	COUNTY: ONEIDA	REGION: 2					
<p>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.</p>							
						Department of Transportation	

FILE NAME = 2LC1.12-cph_bf_3-1_c240056.dgn
 DATE/TIME = 15-JUL-2024 13:46
 USER = mlamphear

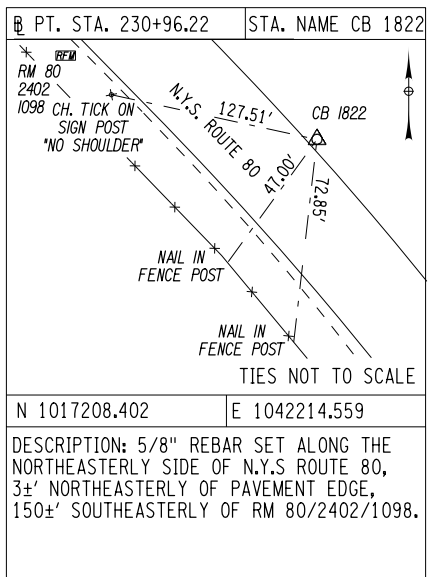
DESIGN SUPERVISOR
 DESIGN
 CHECK
 DRAFTING
 CHECK
 PROJECT MANAGER



N 1016527.825 E 1042515.302
 DESCRIPTION: 60D NAIL SET ON THE
 EASTERLY SIDE OF N.Y.S. ROUTE 80, 3±'
 EASTERLY OF PAVEMENT EDGE, 225±'
 SOUTHERLY OF MORROW ROAD.



N 1016802.638 E 1042451.212
 DESCRIPTION: 5/8" REBAR WITH CAP SET
 ALONG THE EASTERLY SIDE OF N.Y.S. ROUTE
 80, 8±' EASTERLY OF PAVEMENT EDGE,
 55±' NORTHERLY OF THE MORROW ROAD
 INTERSECTION.



N 1017208.402 E 1042214.559
 DESCRIPTION: 5/8" REBAR SET ALONG THE
 NORTHEASTERLY SIDE OF N.Y.S ROUTE 80,
 3±' NORTHEASTERLY OF PAVEMENT EDGE,
 150±' SOUTHEASTERLY OF RM 80/2402/1098.

EXISTING HIGHWAY & PROPERTY MONUMENTATION MONUMENTATION FOUND PRIOR TO AND/OR DURING CONSTRUCTION			
STATION	OFFSET	FOUND SIZE/TYPE	REESTABLISHMENT RECORD
235+94.86	75.24' RIGHT	CONCRETE MONUMENT	
239+04.62 B.T.P.A.	33.41' LEFT	CONCRETE MONUMENT	

TABLE OF BENCHMARKS

NAME	DESCRIPTION	STATION (APPROX.)	OFFSET (FT)	ELEVATION (FT)
BM 1	CHISELED SQUARE ON THE NORTHERLY END OF A CULVERT HEADWALL ON THE WESTERLY SIDE OF ROUTE 80, 260±' SOUTHERLY OF MORROW ROAD.	238+85 B.T.P.A.	40 RIGHT	1526.58
BM 2	RAILROAD SPIKE SET IN THE BASE OF A CUT OFF UTILITY POLE NEAR A GATE IN FENCE ON THE SOUTHWESTERLY SIDE OF ROUTE 80, 100±' NORTHWESTERLY OF RM 80/2402/1098.	233+50	25 RIGHT	1534.78

SURVEY DATUM		THE COMBINED SCALE FACTOR IS A FUNCTION OF CONVERTING GEODETIC CONTROL DATA TO PLANIMETRIC DISTANCES AT SEA LEVEL.
HORIZONTAL	VERTICAL	
DATUM: NAD 83 (2011)	DATUM: NAVD 88	THE COMBINED SCALE FACTOR FOR THIS SITE IS: 1.000000000
NYSPCS ZONE: CENTRAL 3102	UNITS: FT	
UNITS: FT		A SURVEY CONTROL REPORT IS AVAILABLE FOR THE CONTRACTOR'S USE AT THE REGIONAL D.O.T. OFFICE, UNDER FILE NUMBER - H 1219.06 OR FROM PROJECTWISE, REGION 2, P.I.N. 2LC1.12 SURVEY FOLDER

AFFIX SEAL: ON: 7/15/2024	ALTERED BY: ON:

AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
 ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK
 S.H. 8374 SHEDS - GEORGETOWN, PART 2
 TOWN OF GEORGETOWN
 COUNTY: MADISON REGION: 2

PIN 2LC1.12
 ROUTE 80

BRIDGES

CULVERTS
 C240056

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

SITE 3

BASELINE TIES AND BENCHMARKS

CONTRACT NUMBER
 D265331

DRAWING NO. BLT3-1
 SHEET NO. 35

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



FILE NAME = 2LC1.12.cph_bf-1-1.c240072.dgn
 DATE/TIME = 15-JUL-2024 13:20
 USER = mlampiere

PROJECT MANAGER
 CHECK
 DRAFTING
 CHECK
 DESIGN
 JOB MANAGER
 DESIGN SUPERVISOR

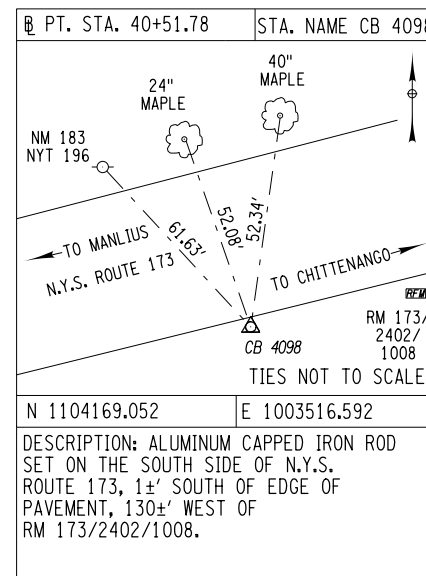
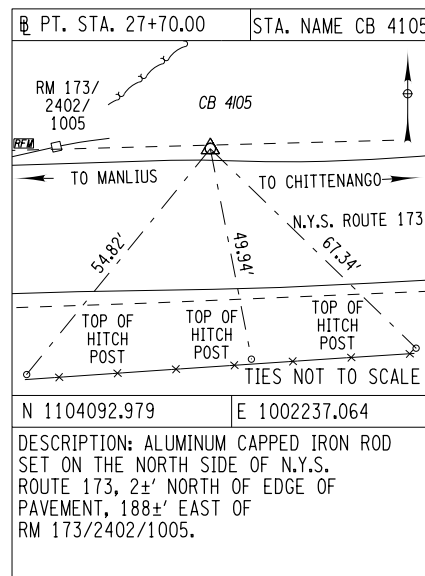
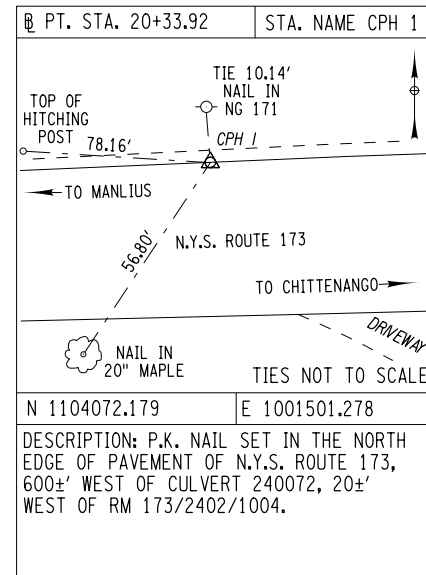
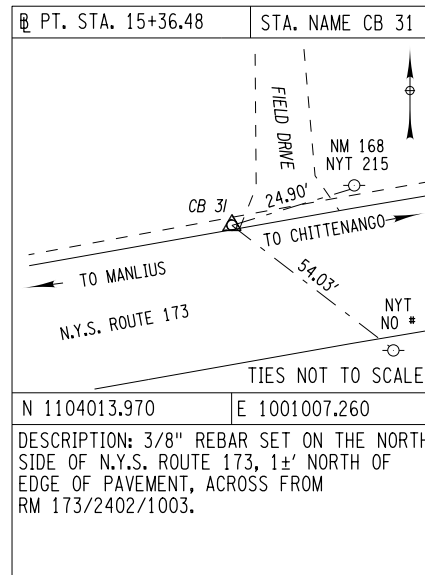


TABLE OF BENCHMARKS

NAME	DESCRIPTION	STATION (APPROX.)	OFFSET (FT)	ELEVATION (FT)
BM 1	THE NORTHWEST CORNER OF THE NORTHWEST WING WALL OF A CULVERT UNDER A DRIVEWAY ON THE SOUTH SIDE OF ROUTE 173, 50±' EAST OF RM 173/2402/1004, 530±' WEST OF C240072.	21+09	55 RIGHT	1044.82
BM 2	THE NORTHWEST CORNER OF THE TOP STEP OF HOUSE NO. 1384, ON THE SOUTH SIDE OF ROUTE 173 AT CULVERT 240072.	26+44	119 RIGHT	1039.40
BM 3	THE NORTHWEST CORNER OF THE BOTTOM STEP OF THE HOUSE NO. 1392, ON THE SOUTH SIDE OF ROUTE 173, 250±' EAST OF CULVERT 240072.	28+87	86 RIGHT	1033.76

EXISTING HIGHWAY & PROPERTY MONUMENTATION MONUMENTATION FOUND PRIOR TO AND/OR DURING CONSTRUCTION			
STATION	OFFSET	FOUND SIZE/TYPE	REESTABLISHMENT RECORD
20+54.65	65.43' RIGHT	1" IRON PIPE	

SURVEY DATUM		
HORIZONTAL	VERTICAL	
DATUM: NAD 83-CORS96	DATUM: NAVD 88	THE COMBINED SCALE FACTOR IS A FUNCTION OF CONVERTING GEODETIC CONTROL DATA TO PLANIMETRIC DISTANCES AT SEA LEVEL.
NYSPCS ZONE: CENTRAL 3102	UNITS: FT	THE COMBINED SCALE FACTOR FOR THIS SITE IS: 0.999884
UNITS: FT		A SURVEY CONTROL REPORT IS AVAILABLE FOR THE CONTRACTOR'S USE AT THE REGIONAL D.O.T. OFFICE, UNDER FILE NUMBER - M 3223.06 OR FROM PROJECTWISE, REGION 2, P.I.N. 2LC1.12 SURVEY FOLDER

AFFIX SEAL: ON: 7/15/2024
 ALTERED BY: ON:



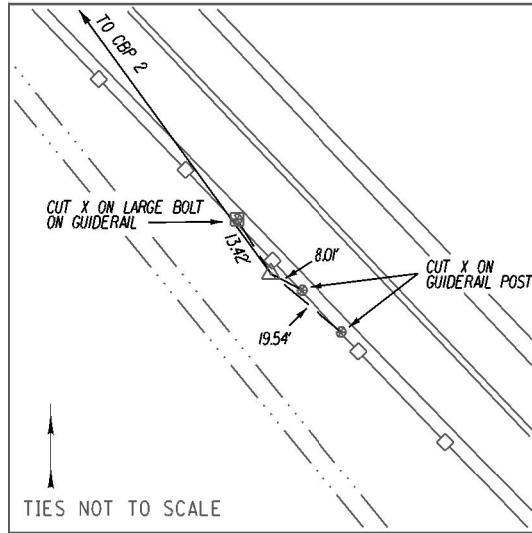
AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
 ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK
 S.H. 506 CHITTENANGO - EAGLE VILLAGE
 TOWN OF SULLIVAN
 COUNTY: MADISON REGION: 2

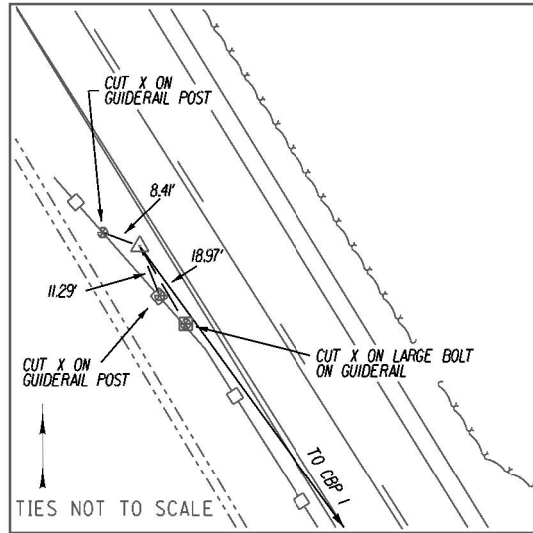
PIN 2LC1.12 ROUTE 173
 BRIDGES
 CULVERTS C240072
 ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 SITE 1
 BASELINE TIES AND BENCHMARKS
 CONTRACT NUMBER D265331
 DRAWING NO. BLT1-1
 SHEET NO. 36

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.





⊕ STA. 10+00.00
 CBP 1 IS A CAPPED IRON ROD SET IN SHOULDER WEST OF PAVEMENT EDGE
 NAD83 (2011)
 N: 1083383.78
 E: 1111295.27



⊕ STA. 17+80.49
 CBP 2 IS A CAPPED IRON ROD SET IN SHOULDER WEST OF PAVEMENT EDGE
 NAD83 (2011)
 N: 1084014.87
 E: 1110836.04

SURVEY NOTES:

HORIZONTAL DATUM IS NAD83 (2011).
 COORDINATES ARE NEW YORK STATE PLANE COORDINATE SYSTEM - CENTRAL ZONE.
 THE COMBINED SCALE FACTOR IS 0.99995843
 VERTICAL DATUM IS NAVD88.

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY DIG SAFELY - NEW YORK FOR ALL UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY EXCAVATION.

2. ALL SUBSURFACE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE USED FOR PRELIMINARY ENGINEERING ONLY.

3. UTILITY INFORMATION HAS BEEN PLOTTED FROM AVAILABLE SOURCES AND THEIR PURPOSE, LOCATIONS AND SIZE SHOULD BE CONSIDERED APPROXIMATE ONLY.

4. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT UTILITY LOCATIONS, SIZES, AND ELEVATIONS PRIOR TO COMMENCING CONSTRUCTION. IF UNCHARTED OR MISPLOTTED UTILITIES ARE ENCOUNTERED, THE CONTRACTOR IS REQUIRED TO NOTIFY THE OWNER IMMEDIATELY.

5. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF SURVEY CONTROL POINTS USED IN THE VERTICAL AND HORIZONTAL POSITIONING OF DESIGNED IMPROVEMENTS AND FOR IMMEDIATELY NOTIFYING THE E.J.C. OF ANY DISCREPANCIES FOUND.

BENCHMARK TABLE						
BENCHMARK NO.	BASELINE STA.	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1	STA. 10+13.25	0.95' RT.	985.61'	1083395	1111288	CUT X ON GUIDERAIL BOLT HEAD
2	STA. 17+61.78	1.81' RT.	969.96'	1083999	1110846	CUT X ON GUIDERAIL BOLT HEAD

TABLE OF RIGHT OF WAY ACQUISITIONS							
MAP NO.	PARCEL NO.	REPUTED OWNER	INSTRUMENT NO. & PARCEL NO.	ACQUISITION TYPE	PURPOSE	ACQUISITION SIZE	
						SQ. FT.	ACRE
22	31	RICHARD C. AND MARIANNE H. SYKES	371.00-2-42.1 2483-196	PE	HIGHWAY INFRASTRUCTURE	3,168±	0.073±

TABLE OF RIGHT OF WAY MARKERS			
PLAN SHEET	BASELINE STATION	SIDE	ITEM 625.03 (EA)
PL 4-1	13+10.61	RT	1
PL 4-1	13+33.49	RT	1
PL 4-1	14+34.08	RT	1
PL 4-1	14+59.99	RT	1
TOTALS:			4

ITEM 625.03 - CONCRETE RIGHT OF WAY MARKERS TYPE H (HIGH)

NOTES:

1. DISCLAIMER THAT THE TABLE OF MONUMENTS IS FOR ESTIMATION PURPOSES ONLY. ALL MONUMENTS SHALL BE PLACED IN ACCORDANCE WITH RIGHT-OF-WAY APPROPRIATION MAPS.

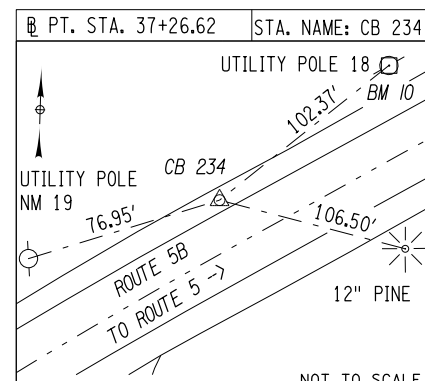
AFFIX SEAL: DAVID J. LARUE ON: 07/18/2024	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 26 OVER SCONONDOA CREEK SH 369 AUGUSTA RD - ORISKANY FALLS SECTION TOWN OF AUGUSTA COUNTY: ONEIDA REGION: 2	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SITE 4 BASELINE TIES AND BENCHMARKS					DRAWING NO. - BLT4-1 SHEET NO. 37	

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

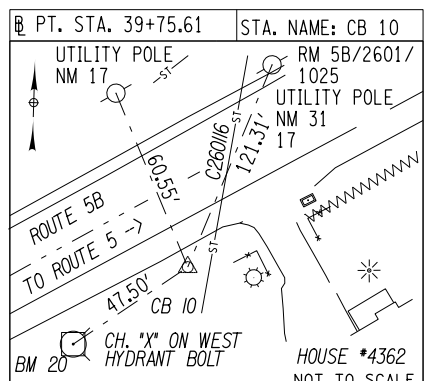
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 DATE/TIME = 15-JUL-2024 13:23
 USER = mlamphear

PROJECT MANAGER
 CHECK
 DRAFTING
 CHECK
 DESIGN
 JOB MANAGER
 DESIGN SUPERVISOR



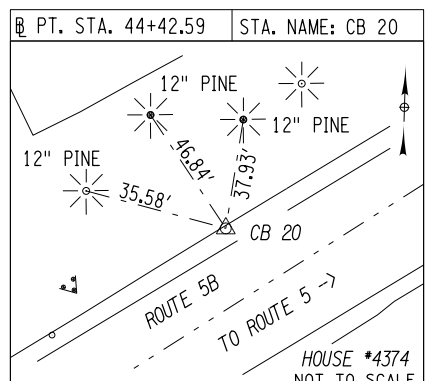
N 1124046.935 E 1152826.697

DESCRIPTION: P.K. NAIL SET IN THE CENTER OF A PHOTO TARGET LOCATED ON THE NORTHWESTERLY SIDE OF ROUTE 5B ACROSS FROM MIDDLE SETTLEMENT BUSINESS PARK, 280±' SOUTHWESTERLY OF CULVERT 260116



N 1124126.889 E 1153062.497

DESCRIPTION: 60D NAIL SET ON THE SOUTHEASTERLY SIDE OF ROUTE 5B IN FRONT OF HOUSE #4362, ON THE WESTERLY SIDE OF CULVERT 260116.



N 1124406.859 E 1153436.251

DESCRIPTION: P.K. NAIL SET ON THE NORTHWESTERLY SIDE OF ROUTE 5B ACROSS FROM HOUSE #4374, 430±' NORTHEASTERLY OF CULVERT 260116.

EXISTING HIGHWAY & PROPERTY MONUMENTATION MONUMENTATION FOUND PRIOR TO AND/OR DURING CONSTRUCTION			
STATION	OFFSET	FOUND SIZE/TYPE	REESTABLISHMENT RECORD
39+88.82	33.34' RIGHT	CONCRETE MONUMENT	
40+42.46	64.06' LEFT	IRON ROD	
45+10.43 B.T.P.A.	92.05' RIGHT	CONCRETE MONUMENT	

TABLE OF BENCHMARKS

NAME	DESCRIPTION	STATION (APPROX.)	OFFSET (F.T)	ELEVATION (FT)
BM 10	RAILROAD SPIKE SET IN THE BASE OF UTILITY POLE NM 18 ON THE NORTHWESTERLY SIDE OF ROUTE 5B, 175±' SOUTHWESTERLY OF CULVERT 260116.	38+23	35' LEFT	519.84
BM 20	CHISELED "X" ON THE WESTERLY HYDRANT CAP BOLT ON THE SOUTHEASTERLY SIDE OF ROUTE 5B, 75±' SOUTHWESTERLY OF CULVERT 260116.	39+30	12' RIGHT	519.76

SURVEY DATUM		
HORIZONTAL	VERTICAL	
DATUM: NAD83 (2011)	DATUM: NAVD88	THE COMBINED SCALE FACTOR IS A FUNCTION OF CONVERTING GEODETIC CONTROL DATA TO PLANIMETRIC DISTANCES AT SEA LEVEL.
NYSPCS ZONE: CENTRAL 3102	UNITS: FT	THE COMBINED SCALE FACTOR FOR THIS SITE IS: 1.000000000
UNITS: FT		A SURVEY CONTROL REPORT IS AVAILABLE FOR THE CONTRACTOR'S USE AT THE REGIONAL D.O.T. OFFICE, UNDER FILE NUMBER - H 1219.06 OR FROM PROJECTWISE, REGION 2, P.I.N. 2LC1.12, SURVEY FOLDER

AFFIX SEAL: ON: 7/15/2024

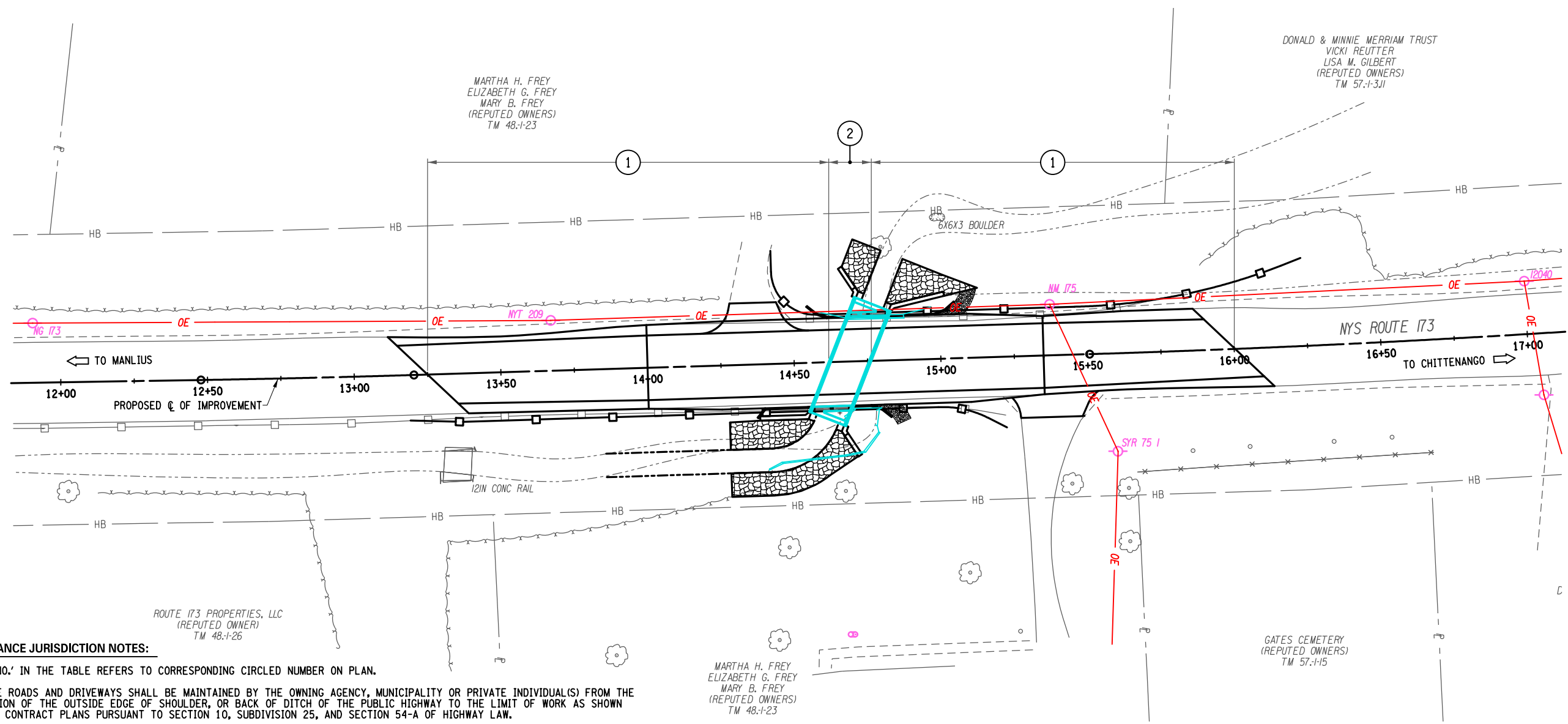
ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12 ROUTE 5B	BRIDGES	CULVERTS 260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331
	ROUTE 5B OVER TRIBUTARY OF MUD CREEK					SITE 6 BASELINE TIES AND BENCHMARKS
	S.H. 54-2 CLINTON FORKS - MIDDLE SETTLEMENT					
	TOWN OF NEW HARTFORD					
	COUNTY: ONEIDA	REGION: 2				

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FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 1 - C240072\2LC11.cph.mjp.site 1.dgn
 DATE = 7/24/2014
 TIME = 1:43:28 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH

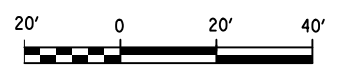


MAINTENANCE JURISDICTION NOTES:

1. 'PART NO.' IN THE TABLE REFERS TO CORRESPONDING CIRCLED NUMBER ON PLAN.
2. PRIVATE ROADS AND DRIVEWAYS SHALL BE MAINTAINED BY THE OWNING AGENCY, MUNICIPALITY OR PRIVATE INDIVIDUAL(S) FROM THE EXTENSION OF THE OUTSIDE EDGE OF SHOULDER, OR BACK OF DITCH OF THE PUBLIC HIGHWAY TO THE LIMIT OF WORK AS SHOWN ON THE CONTRACT PLANS PURSUANT TO SECTION 10, SUBDIVISION 25, AND SECTION 54-A OF HIGHWAY LAW.

TABLE OF MAINTENANCE JURISDICTION

PART NO	HIGHWAY	LIMITS	FEATURES TO BE MAINTAINED	MILES	LANE MILES	AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTION	SNOW AND ICE CONTROL	
								AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTION
HIGHWAY									
①	NYS ROUTE 173	STA. 13+25.00 TO STA. 14+61.76 STA. 14+76.24 TO STA. 16+00.00	ALL FEATURES INCLUDING PAVEMENT, DRAINAGE, DITCHES, STRIPING, SIGNS, AND GUIDE RAIL.	.049	.098	NYSDOT	HIGHWAY LAW SECTION 12	NYSDOT	HIGHWAY LAW SECTION 12
CULVERT									
②	NYS ROUTE 173	STA. 14+61.76 TO STA. 14+76.24	ALL FEATURES INCLUDING SUPERSTRUCTURE, RIP RAP, SUBSTRUCTURE, AND RAILING.	0.003	0.006	NYSDOT	HIGHWAY LAW SECTION 233	NYSDOT	HIGHWAY LAW SECTION 12



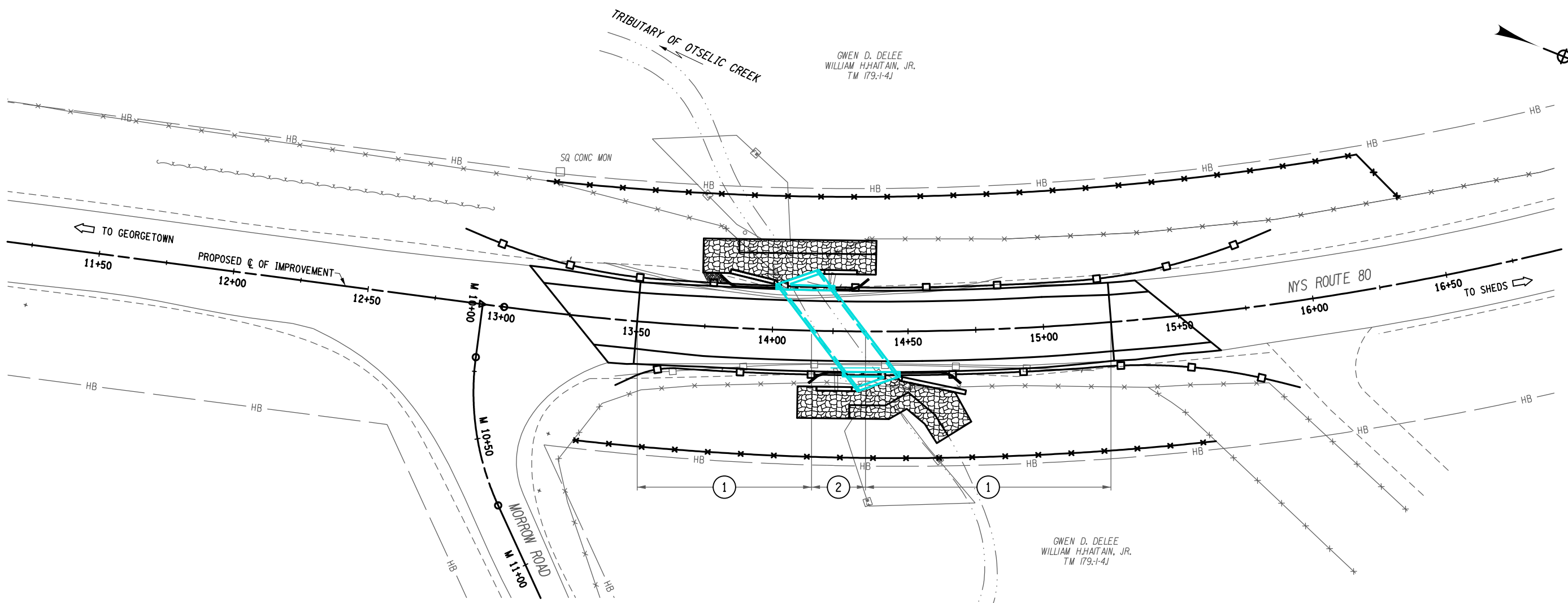
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK					D265331	
	SH 506					SITE 1 MAINTENANCE JURISDICTION PLAN	
	TOWN OF SULLIVAN						
COUNTY: MADISON	REGION: 2	SHEET NO. 39					

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

NEW YORK STATE OF OPPORTUNITY
Department of Transportation

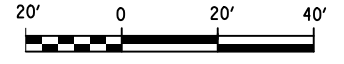
FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 3 - C240056\2LC111_cph_m.jp.site_3.dgn
 DATE = 7/24/2014
 TIME = 1:43:29 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



- MAINTENANCE JURISDICTION NOTES:**
- 'PART NO.' IN THE TABLE REFERS TO CORRESPONDING CIRCLED NUMBER ON PLAN.
 - PRIVATE ROADS AND DRIVEWAYS SHALL BE MAINTAINED BY THE OWNING AGENCY, MUNICIPALITY OR PRIVATE INDIVIDUAL(S) FROM THE EXTENSION OF THE OUTSIDE EDGE OF SHOULDER, OR BACK OF DITCH OF THE PUBLIC HIGHWAY TO THE LIMIT OF WORK AS SHOWN ON THE CONTRACT PLANS PURSUANT TO SECTION 10, SUBDIVISION 25, AND SECTION 54-A OF HIGHWAY LAW.

TABLE OF MAINTENANCE JURISDICTION									
PART NO	HIGHWAY	LIMITS	FEATURES TO BE MAINTAINED	MILES	LANE MILES	AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTION	SNOW AND ICE CONTROL	
								AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTION
HIGHWAY									
①	NYS ROUTE 80	STA. 13+50.00 TO STA. 14+14.43 STA. 14+34.31 TO STA. 15+25.00	ALL FEATURES INCLUDING PAVEMENT, DRAINAGE, DITCHES, STRIPING, SIGNS, AND GUIDE RAIL.	0.029	0.058	NYS DOT	HIGHWAY LAW SECTION 12	NYS DOT	HIGHWAY LAW SECTION 12
CULVERT									
②	NYS ROUTE 80	STA. 14+14.43 TO STA. 14+34.31	ALL FEATURES INCLUDING SUPERSTRUCTURE, RIP RAP, SUBSTRUCTURE AND RAILING.	0.004	0.008	NYS DOT	HIGHWAY LAW SECTION 233	NYS DOT	HIGHWAY LAW SECTION 12

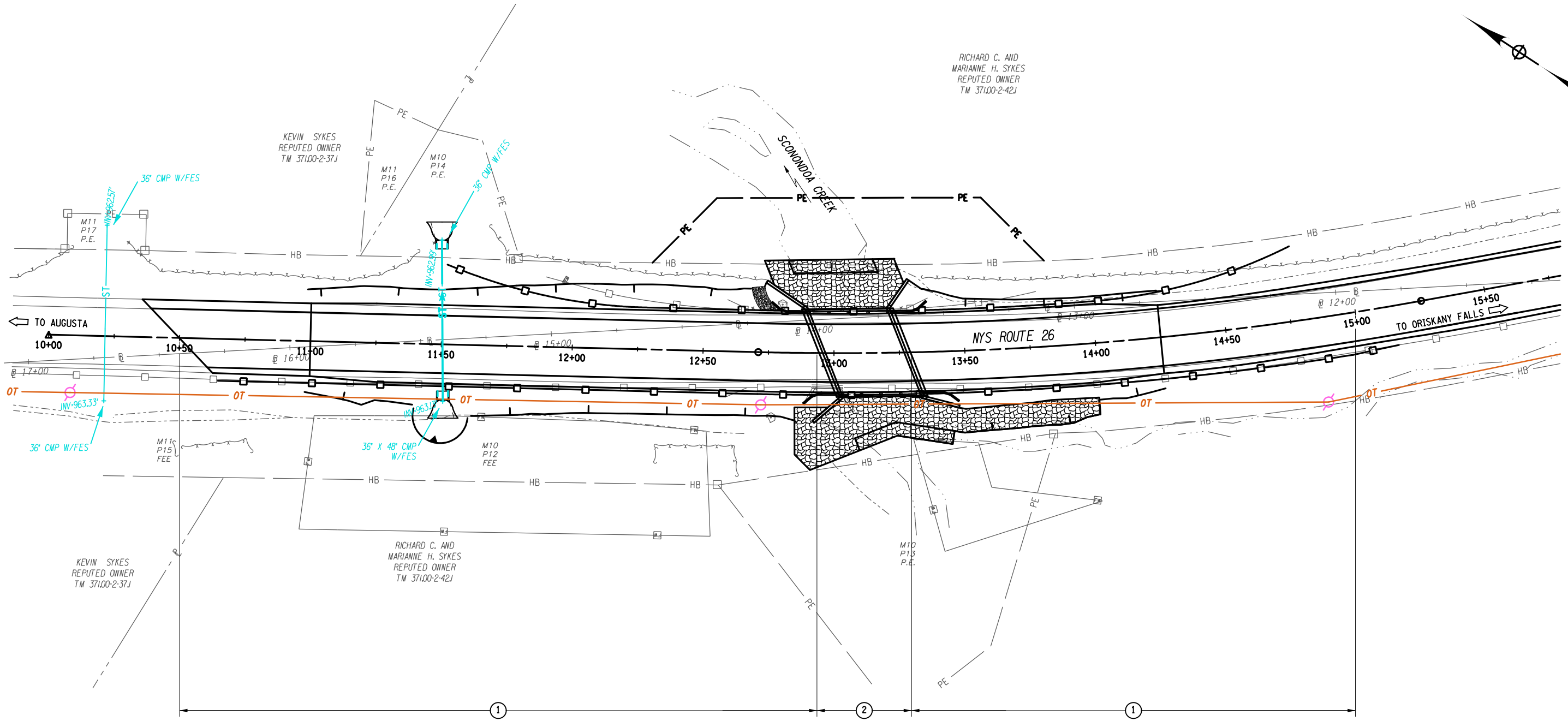


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK					D265331	
	SH 8347					SITE 3 MAINTENANCE JURISDICTION PLAN	
	TOWN OF GEORGETOWN						
COUNTY: MADISON	REGION: 2	SHEET NO. 40		NEW YORK STATE OF OPPORTUNITY		Department of Transportation	

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

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LC111.cpl_mjp_site 4.dgn
 DATE = 7/24/2014
 TIME = 1:43:30 PM

DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



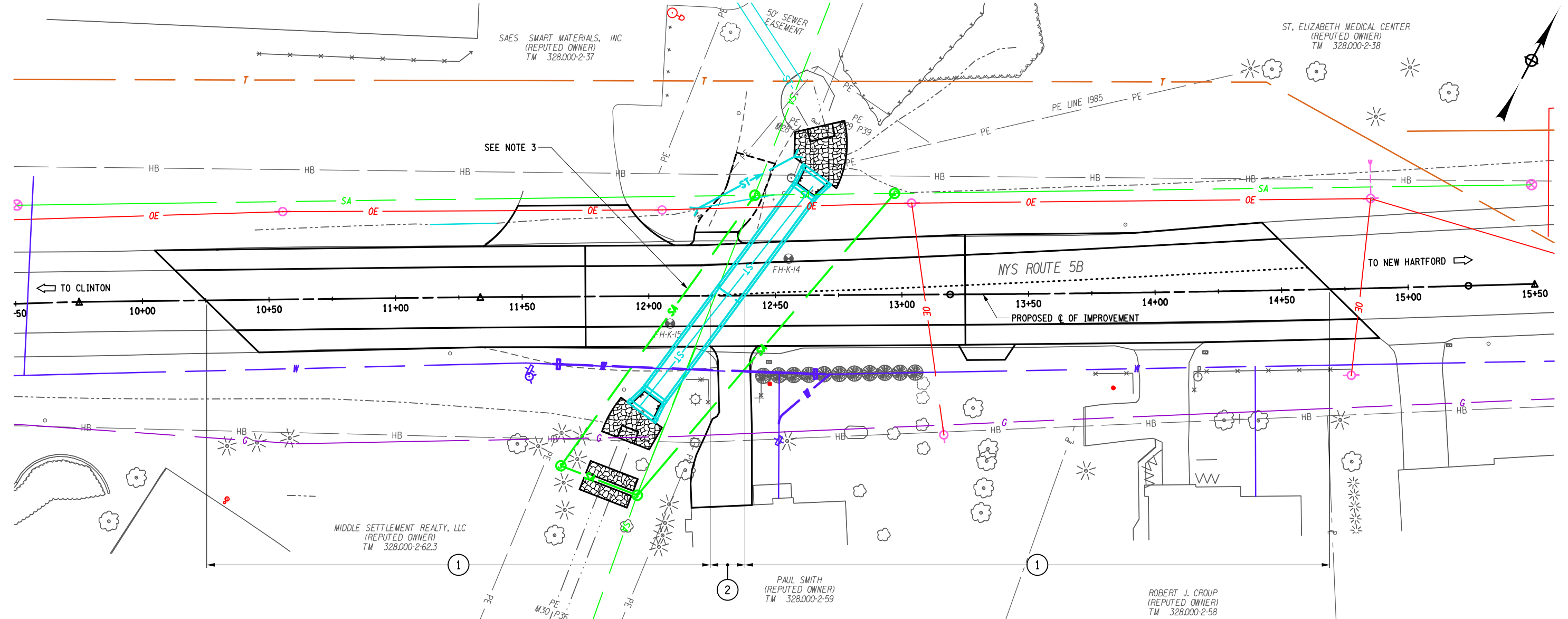
- MAINTENANCE JURISDICTION NOTES:**
- 'PART NO.' IN THE TABLE REFERS TO CORRESPONDING CIRCLED NUMBER ON PLAN.
 - PRIVATE ROADS AND DRIVEWAYS SHALL BE MAINTAINED BY THE OWNING AGENCY, MUNICIPALITY, OR PRIVATE INDIVIDUAL(S) FROM THE EXTENSION OF THE OUTSIDE EDGE OF SHOULDER OR BACK OF DITCH OF THE PUBLIC HIGHWAY TO THE LIMIT OF WORK AS SHOWN ON THE CONTRACT PLANS PURSUANT TO SECTION 10, SUBDIVISION 25, AND SECTION 54-A OF HIGHWAY LAW.

TABLE OF MAINTENANCE JURISDICTION									
PART NO.	HIGHWAY	LIMITS	FEATURES TO BE MAINTAINED	MILES	LANE MILES	AGENCY	AUTHORITY	SNOW AND ICE CONTROL	
								AGENCY	AUTHORITY
HIGHWAY									
①	NYS ROUTE 26	10+50.00 TO 12+93.89 13+29.77 TO 15+00.00	ALL FEATURES INCLUDING PAYMENT, DRAINAGE, DITCHES, GEOCELL WALL, STRIPING, SIGNS AND GUIDE RAIL	0.046 0.032	0.092 0.064	N.Y.S.D.O.T.	SECTION 12 HIGHWAY LAW	N.Y.S.D.O.T.	SECTION 12 HIGHWAY LAW
BRIDGE									
②	NYS ROUTE 26	12+93.89 TO 13+29.77	ALL FEATURES INCLUDING SUPERSTRUCTURE, RIPRAP, SUBSTRUCTURE AND RAILING.	0.0068	0.014	N.Y.S.D.O.T.	SECTION 233 HIGHWAY LAW	N.Y.S.D.O.T.	SECTION 12 HIGHWAY LAW

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 26 OVER SCONONDOA CREEK						
	SH 369 AUGUSTA RD - ORISKANY FALLS SECTION						
	TOWN OF AUGUSTA						
	REGION: 2				SITE 4 MAINTENANCE JURISDICTION PLAN	DRAWING NO. MJP4-1	
						SHEET NO. 41	
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.							
						Department of Transportation	

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116.2\CL11.cph.m.p_site_6.dgn
 DATE = 7/24/2024
 TIME = 1:43:31 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



MAINTENANCE JURISDICTION NOTES:

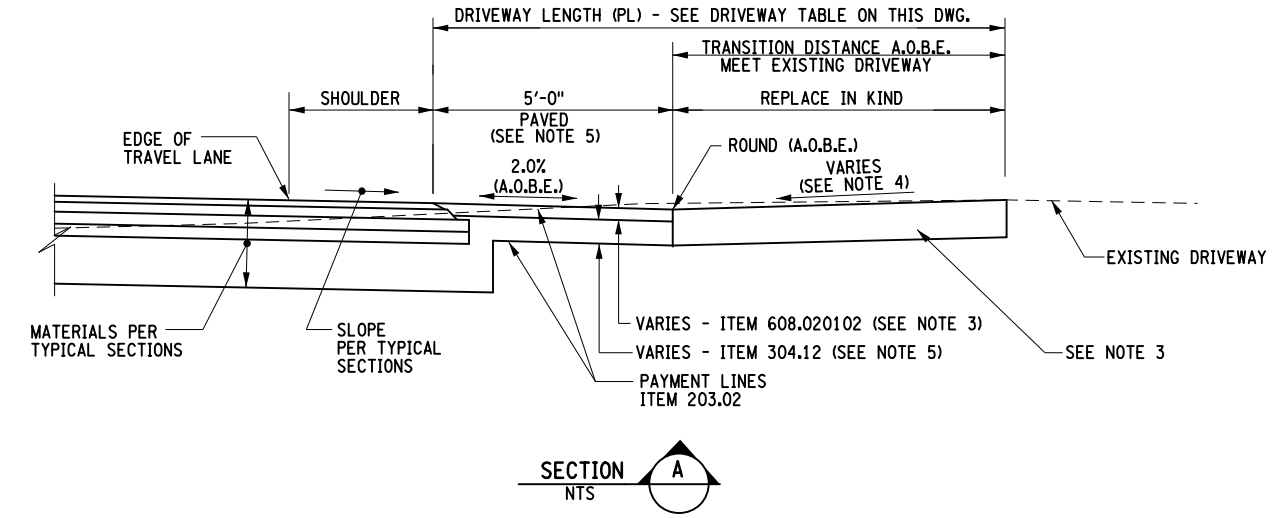
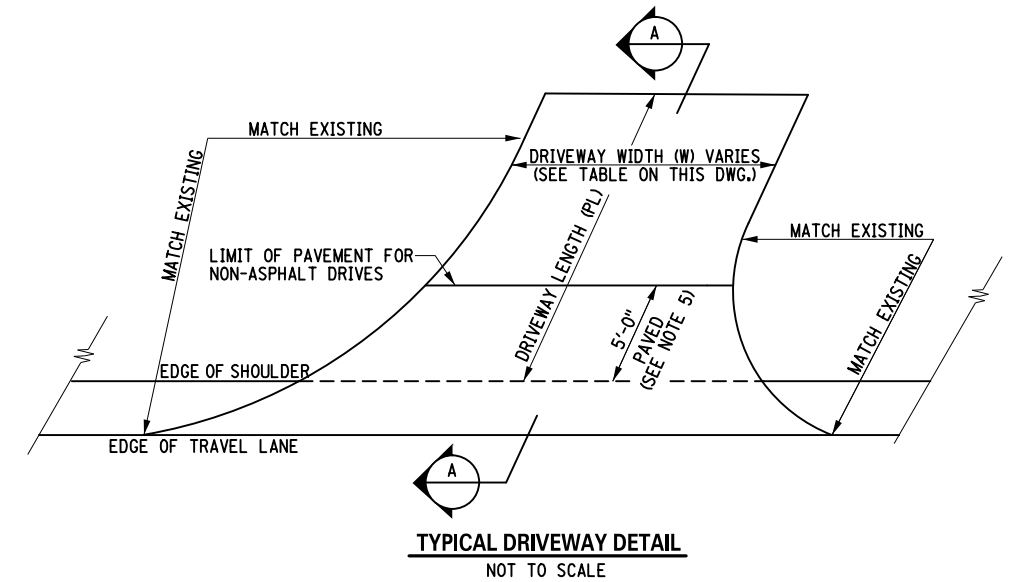
1. 'PART NO.' IN THE TABLE REFERS TO CORRESPONDING CIRCLED NUMBER ON PLAN.
2. PRIVATE ROADS AND DRIVEWAYS SHALL BE MAINTAINED BY THE OWNING AGENCY, MUNICIPALITY OR PRIVATE INDIVIDUAL(S) FROM THE EXTENSION OF THE OUTSIDE EDGE OF SHOULDER, OR BACK OF DITCH OF THE PUBLIC HIGHWAY TO THE LIMIT OF WORK AS SHOWN ON THE CONTRACT PLANS PURSUANT TO SECTION 10, SUBDIVISION 25, AND SECTION 54-A OF HIGHWAY LAW.
3. ALL EXISTING SANITARY SEWERS AND OTHER SEWERS NOT DEEMED TO BE PART OF THE PROJECT BY THE COMMISSIONER, WATER MAINS, HYDRANTS, AND OTHER MUNICIPALLY OR PRIVATELY OWNED FACILITIES WITHIN THE PROJECT LIMITS OF THE HIGHWAY RIGHT-OF-WAY WHICH REMAIN IN SERVICE UNCHANGED, AND ALL SUCH FACILITIES RELOCATED OR PROTECTED AS A PART OF THE WORK PERFORMED UNDER THIS PROJECT, WHETHER CROSSING, LOCATED WITHIN OR ADJACENT TO THE R.O.W., SHALL BE MAINTAINED, AS THE CASE MAY BE, BY THE MUNICIPALITY OR BY THE AGENCY OR UNIT OWNING OR HAVING CONTROL AND JURISDICTION THEREOF AT NO COST OR EXPENSE TO THE STATE.

TABLE OF MAINTENANCE JURISDICTION

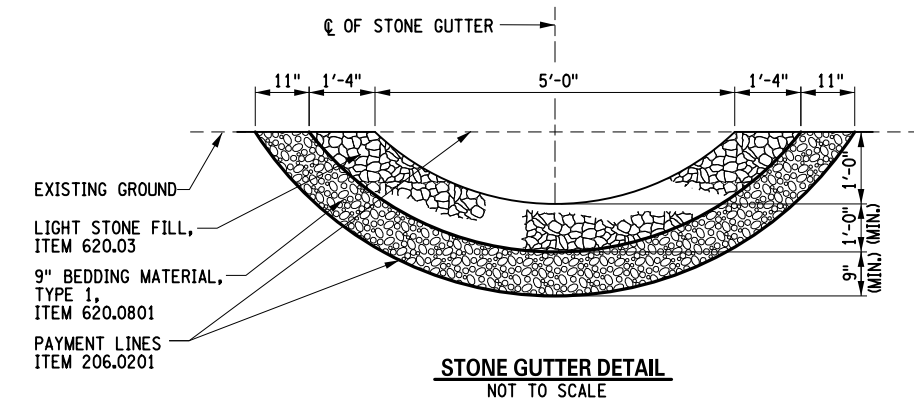
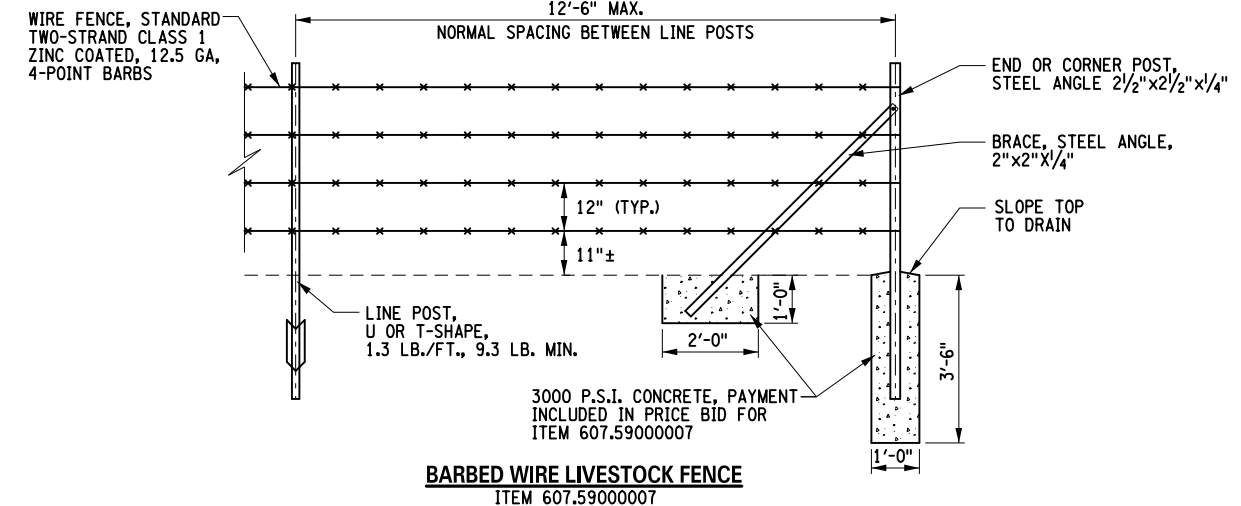
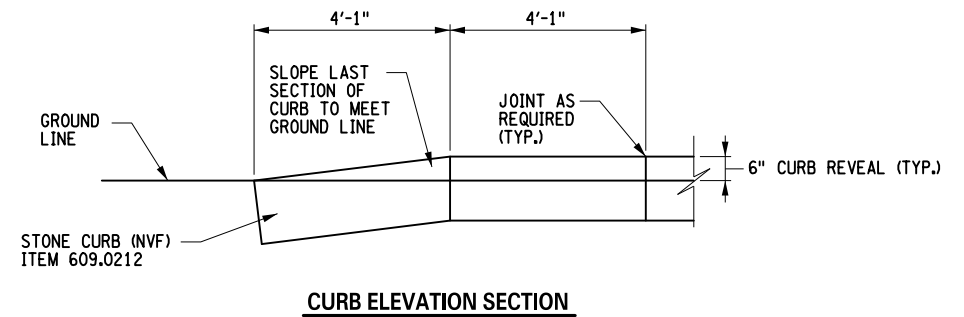
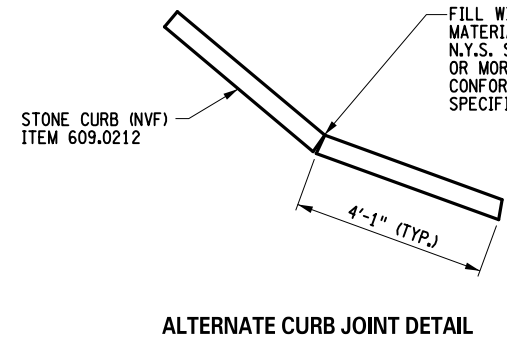
PART NO	HIGHWAY	LIMITS	FEATURES TO BE MAINTAINED	MILES	LANE MILES	AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTION	SNOW AND ICE CONTROL	
								AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTION
HIGHWAY									
①	NYS ROUTE 5B	STA. 10+25.00 TO STA. 12+24.28 STA. 12+38.00 TO STA. 14+69.00	ALL FEATURES INCLUDING PAVEMENT, DRAINAGE, DITCHES, STRIPING, AND SIGNS.	0.082	0.164	NYS DOT	HIGHWAY LAW SECTION 12	NYS DOT	HIGHWAY LAW SECTION 12
CULVERT									
②	NYS ROUTE 5B	STA. 12+24.28 TO STA. 12+38.00	ALL FEATURES INCLUDING BOX CULVERT, WINGWALLS, AND RIP RAP.	0.003	0.006	NYS DOT	HIGHWAY LAW SECTION 233	NYS DOT	HIGHWAY LAW SECTION 12
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:			LARGE CULVERT REPLACEMENT	PIN 2L11.12		BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	
			ROUTE 5B OVER TRIBUTARY OF MUD CREEK					SITE 6 MAINTENANCE JURISDICTION PLAN	
			SH 54-2						
			TOWN OF NEW HARTFORD						
			COUNTY: ONEIDA	REGION: 2				CONTRACT NUMBER D265331	B & L
								DRAWING NO. MJP6-1	
								SHEET NO. 42	

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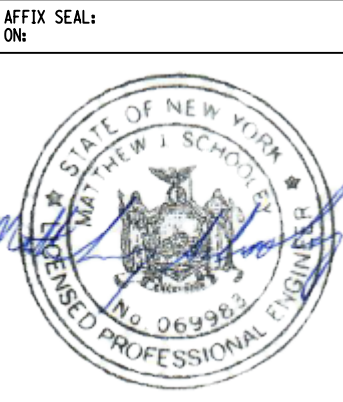
DRIVEWAY TABLE								
DRIVEWAY NUMBER	LOCATION		MATERIAL		CLASS	DIMENSIONS		COMMENTS
	STATION	SIDE	EXISTING	PROPOSED		W	PL	
SITE 1								
1	14+35	LT	GRAVEL	GRAVEL	FIELD DRIVE	16.0	6.0	
2	15+37	RT	AC	AC	RESIDENTIAL	22.0	6.0	
SITE 6								
1	11+71	LT	AC	AC	COMMERCIAL	42.0	16.0	
2	12+27	LT	GRAVEL	GRAVEL	FIELD DRIVE	15.0	39.0	
3	12+34	RT	AC	AC	RESIDENTIAL	13.0	63.0	
4	13+33	RT	GRAVEL	GRAVEL	FIELD DRIVE	15.0	5.0	



ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
206.0201	TRENCH AND CULVERT EXCAVATION	CY
304.12	SUBBASE COURSE, TYPE 2	CY
607.5900007	BARBED WIRE FENCING	LF
608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS, BICYCLE PATHS, AND VEGETATION CONTROL STRIPS	TON
609.0212	STONE CURB (NVF)	LF
620.03	STONE FILL (LIGHT)	CY
620.0801	BEDDING MATERIAL, TYPE 1	CY

NOTES:

- REFER TO NYS DOT STANDARD SHEETS 608-03 FOR ADDITIONAL DETAILS.
- ALL FILL UNDERNEATH ITEM 608.020102 REQUIRED TO COMPLETE DRIVEWAYS SHALL BE ITEM 304.12.
- RESIDENTIAL ASPHALT DRIVEWAYS SHALL BE PAVED WITH 3" OF ITEM 608.020102 ON 6" OF ITEM 304.12. COMMERCIAL ASPHALT DRIVEWAYS SHALL BE PAVED WITH 4" OF ITEM 608.020102 ON 8" OF ITEM 304.12. GRAVEL DRIVEWAYS SHALL HAVE 6" OF ITEM 304.12.
- SLOPE WILL VARY TO PROVIDE NEGOTIABLE DRIVE. MATERIAL REQUIRED TO MATCH EXISTING DRIVE.
- ALL GRAVEL DRIVEWAYS SHALL HAVE A 5'-0" PAVED SECTION FROM THE EDGE OF SHOULDER.



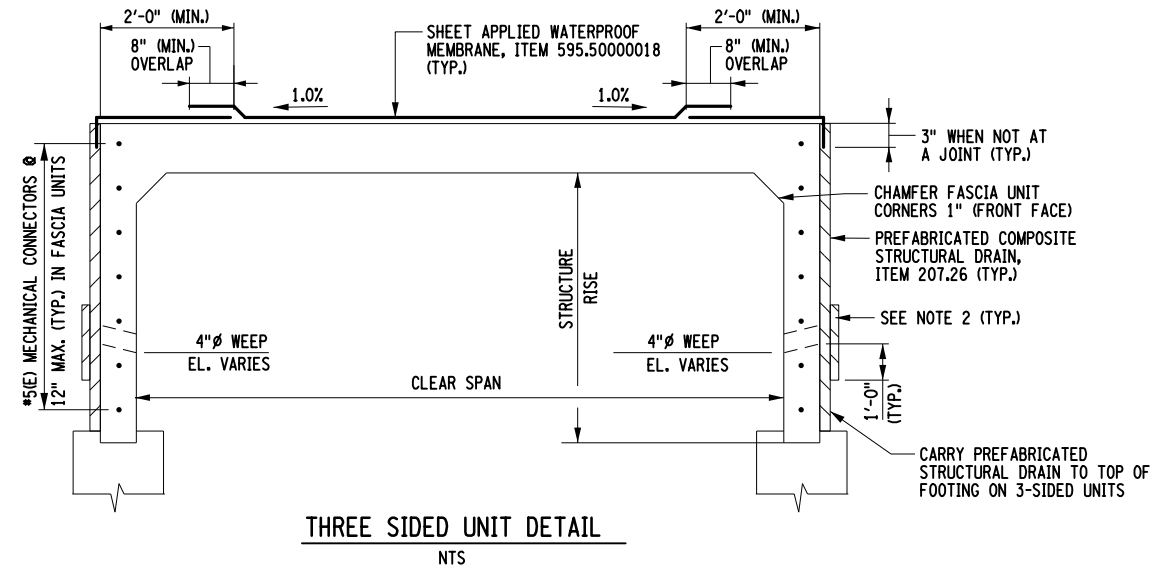
AFFIX SEAL ON:
 ON:
 ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS CONTRACT 3 S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2 SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD COUNTY: MADISON, ONEIDA REGION: 2	PIN 21C1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED ALL SITES MISCELLANEOUS DETAILS	CONTRACT NUMBER D265331	B & L
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.						DRAWING NO. MSD-1	SHEET NO. 43
						NEW YORK STATE OF OPPORTUNITY	Department of Transportation

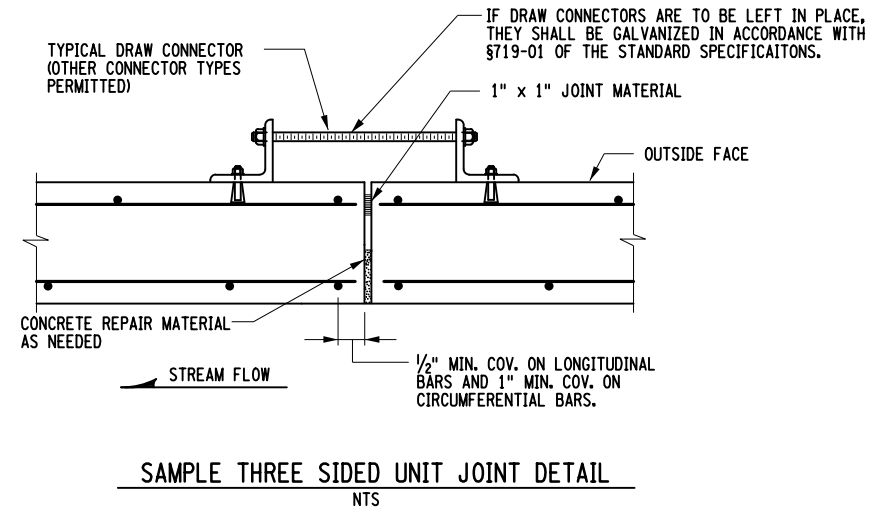
FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\21C111.0ph.ms2.dgn
 DATE = 7/24/2024
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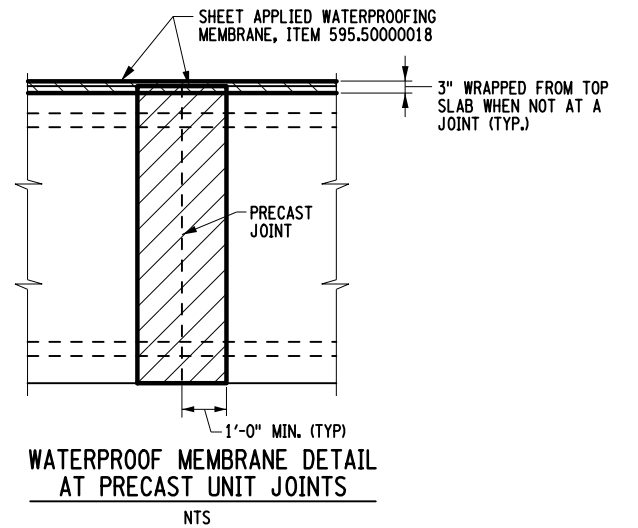
DESIGN SUPERVISOR M. SCHOOLLEY
 JOB MANAGER B. TREMBLAY
 DESIGN R. WOOD/D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



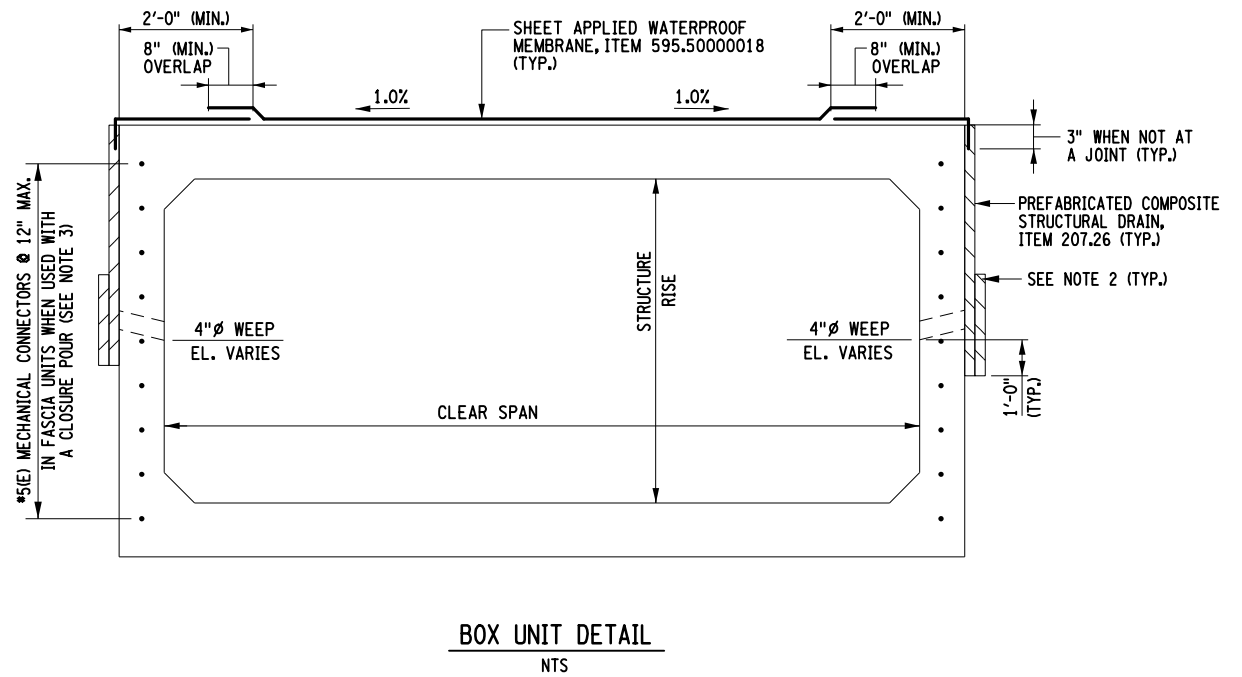
THREE SIDED UNIT DETAIL
NTS



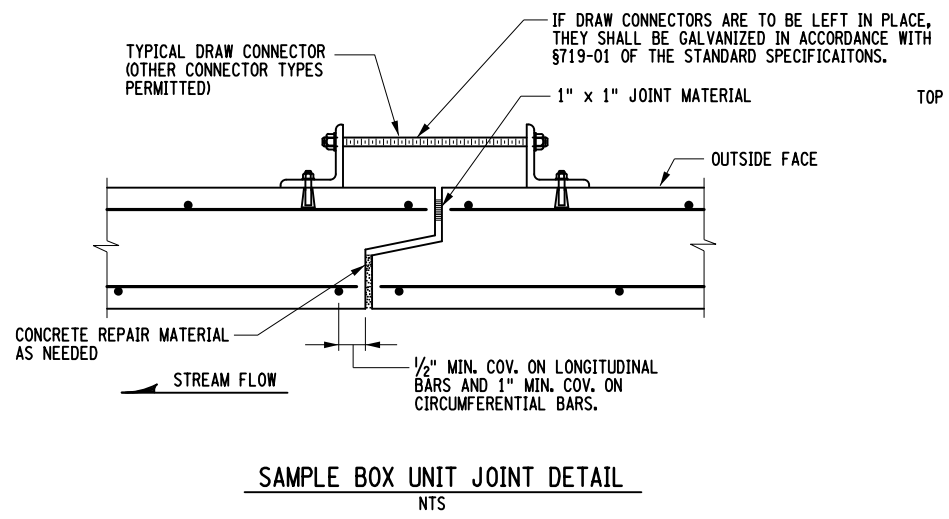
SAMPLE THREE SIDED UNIT JOINT DETAIL
NTS



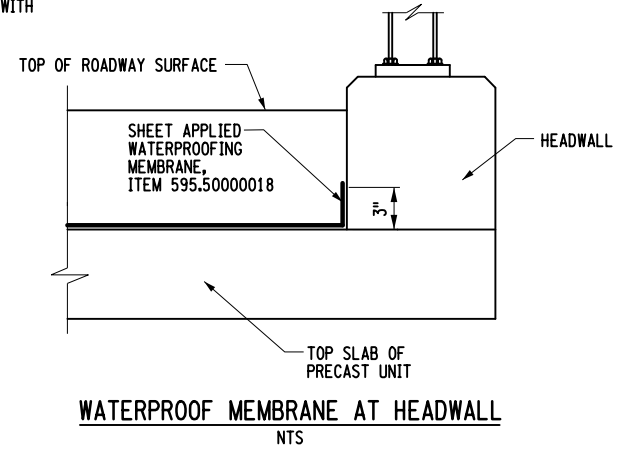
WATERPROOF MEMBRANE DETAIL AT PRECAST UNIT JOINTS
NTS



BOX UNIT DETAIL
NTS



SAMPLE BOX UNIT JOINT DETAIL
NTS



WATERPROOF MEMBRANE AT HEADWALL
NTS

NOTES:

1. WHEN SPLICES ARE REQUIRED IN THE WATERPROOFING MEMBRANE, LOCATE AS SHOWN.
2. DRAINS WITH AN IMPERMEABLE CORE SHALL HAVE THE IMPERMEABLE PORTION REMOVED AT WEEPHOLE LOCATIONS WITHOUT DAMAGING THE GEOTEXTILE. ALL WEEPHOLE LOCATIONS SHALL BE REINFORCED BY AN ADDITIONAL 2'X2' SECTION OF STRUCTURAL DRAIN PLACED ON THE SOIL SIDE.
3. MECHANICAL CONNECTORS SHOULD BE OMITTED FROM FASCIA UNITS OF SITE 6 UNLESS A CLOSURE POUR IS INTRODUCED.

AFFIX SEAL ON:

ALTERED BY ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	CONTRACT 3				ALL SITES	DRAWING NO. MSD-2	
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2				MISCELLANEOUS DETAILS	SHEET NO. 44	
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD						
	COUNTY: MADISON, ONEIDA	REGION: 2					

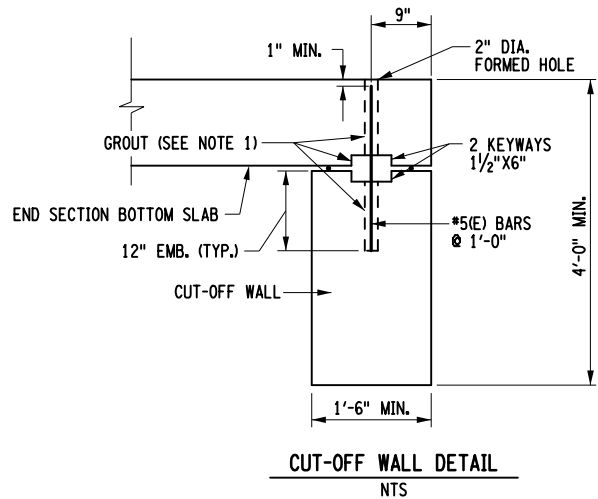
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\21C111.oph.msd3.dgn
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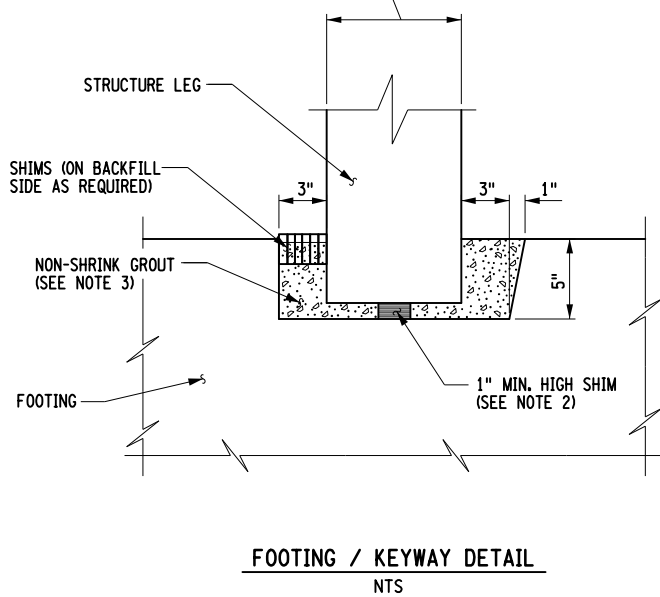
DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: R. WOOD/D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH

NOTES:

1. DOWEL BARS USED TO ATTACH THE CUT-OFF WALL TO THE BOX CULVERT SHALL BE DRILLED AND GROUTED PER THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 586 EXCEPT THE GROUT SHALL MEET THE REQUIREMENTS OF §701-06. THE KEYWAY SHALL BE GROUTED WITH THE SAME MATERIAL AS THE DOWELS. PLACE A BEAD OF CAULK, CLOSED CELL FOAM OR OTHER SUITABLE MATERIAL ON BOTH SIDES OF THE KEYWAY TO CONTAIN THE GROUT.
2. ADDITIONAL SHIMS ARE ALLOWED AT THE CONTRACTOR'S OPTION. LEG EMBEDMENT INTO FOOTING SHALL BE A MINIMUM OF 3".
3. GROUT SHALL MEET THE REQUIREMENTS OF §701-05 OR §701-06.

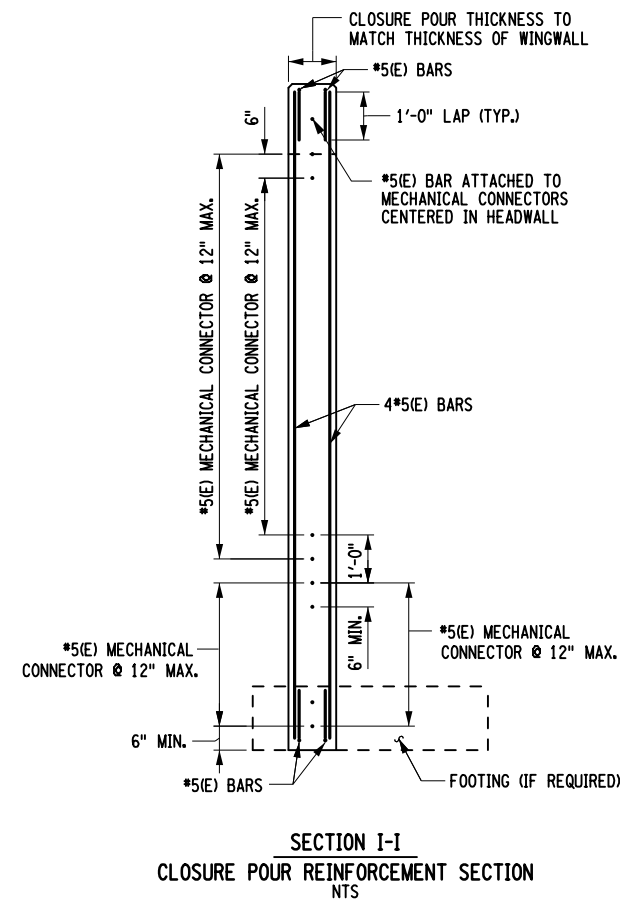
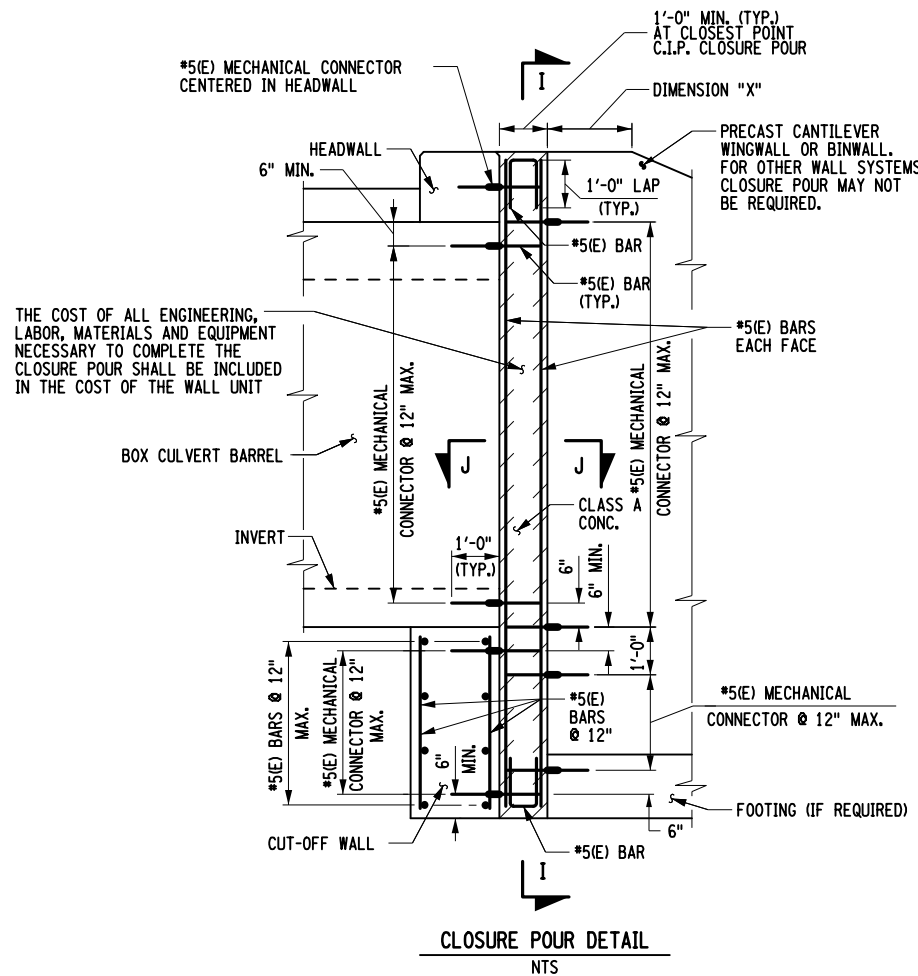
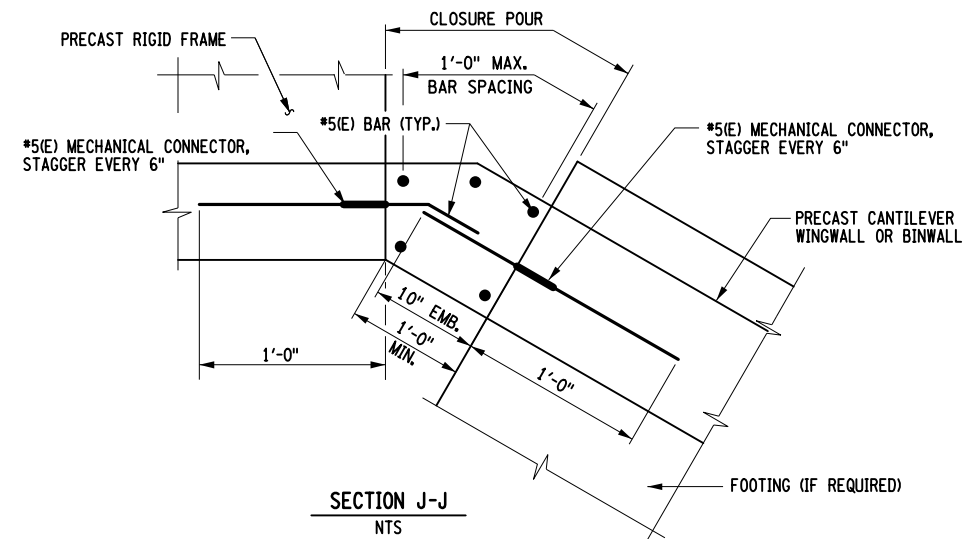



IF THE ACTUAL LEG WIDTH IS WIDER THAN THE ASSUMED WIDTH, THE FOOTING MUST BE WIDENED BY AN EQUAL AMOUNT.



PRECAST WINGWALL NOTES:

1. TALL WALLS WITH FOOTINGS MAY USE A DOWEL BAR LAPPED TO A VERTICAL BAR.
2. BAR SIZE AND SPACING TO BE DETERMINED BY CONTRACTOR.
3. ACTUAL WALL THICKNESS AND FOOTING DIMENSIONS TO BE DETERMINED BY CONTRACTOR.
4. BASED ON HANDLING AND SHIPPING CONSTRAINTS, THE CONTRACTOR MAY ELECT TO USE MULTIPLE WINGWALL UNITS TO SATISFY WALL LENGTH REQUIRED ON THE PLANS. THE JOINT DETAIL BETWEEN WINGWALL UNITS SHALL BE IN ACCORDANCE WITH DETAILS PRESENTED ON BD-CB10.
5. TEMPERATURE/SHRINKAGE REINFORCEMENT PROVIDED SHALL BE CHECKED BY THE CONTRACTOR TO BE IN COMPLIANCE WITH THE CURRENT DESIGN SPECIFICATIONS.
6. WHERE EPOXY COATED THREADED INSERTS ARE SHOWN, ANY NON-CORROSIVE MECHANICAL CONNECTOR MEETING §709-10 MAY BE USED AS ALTERNATIVE.
7. ALL REINFORCEMENT COVER ON CAST IN PLACE CONCRETE SHALL BE 2" UNLESS NOTED OTHERWISE.
8. ALL REINFORCEMENT COVER ON PRECAST WINGWALLS SHALL BE 1" UNLESS NOTED OTHERWISE.
9. CONCRETE USED FOR CLOSURE POURS SHALL HAVE A CONCRETE STRENGTH MATCHING THE ADJOINING PIECE STRENGTHS.



AFFIX SEAL ON: 

ALTERED BY ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	CONTRACT 3					D265331	
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2					DRAWING NO.	MSD-3
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD					SHEET NO.	45
COUNTY: MADISON, ONEIDA	REGION: 2	NEW YORK STATE OF OPPORTUNITY		Department of Transportation			


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GUIDE RAILING - REMOVAL (FT)			
FROM STATION	TO STATION	SIDE	ITEM 606.73 (FT)
SITE 1			
14+49.23	15+84.94	LT	135
13+18.71	15+21.61	RT	198
SITE 3			
13+43.50	15+17.44	RT	180
SITE 4			
11+89.42	13+78.16	LT	189
10+65	15+14.20	RT	450
TOTAL			1152

DRIVEWAY TABLE								
DRIVEWAY NUMBER	LOCATION		MATERIAL		CLASS	DIMENSIONS		COMMENTS
	STATION	SIDE	EXISTING	PROPOSED		W	PL	
SITE 1								
1	14+35	LT	GRAVEL	GRAVEL	FIELD DRIVE	16.0	6.0	
2	15+37	RT	AC	AC	RESIDENTIAL	22.0	6.0	
SITE 6								
1	11+71	LT	AC	AC	COMMERCIAL	42.0	16.0	
2	12+27	LT	GRAVEL	GRAVEL	FIELD DRIVE	15.0	39.0	
3	12+34	RT	AC	AC	RESIDENTIAL	13.0	63.0	
4	13+33	RT	GRAVEL	GRAVEL	FIELD DRIVE	15.0	5.0	

ITEM 685.1102 (LF)							
WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS							
FROM STATION	TO STATION	SIDE	TYPE	LENGTH (FT)	WIDTH (IN)	FACTOR	PAYABLE LENGTH
SITE 1							
12+50.00	16+25.00	LT	WEL	375	6	1.50	563
12+50.00	16+25.00	RT	WEL	375	6	1.50	563
SITE 3							
13+25.00	15+50.00	LT	WEL	223	6	1.50	335
13+36.00	15+50.00	RT	WEL	216	6	1.50	324
M 1020		RT	STOP BAR	41	24	6.00	246
SITE 4							
10+25.00	15+25.00	LT	WEL	500	6	1.50	750
10+25.00	15+25.00	RT	WEL	500	6	1.50	750
SITE 6							
10+00.00	15+00.00	LT	WEL	500	6	1.50	750
12+21.00	15+00.00	RT	WEL	500	6	1.50	750
TOTAL:							5,030

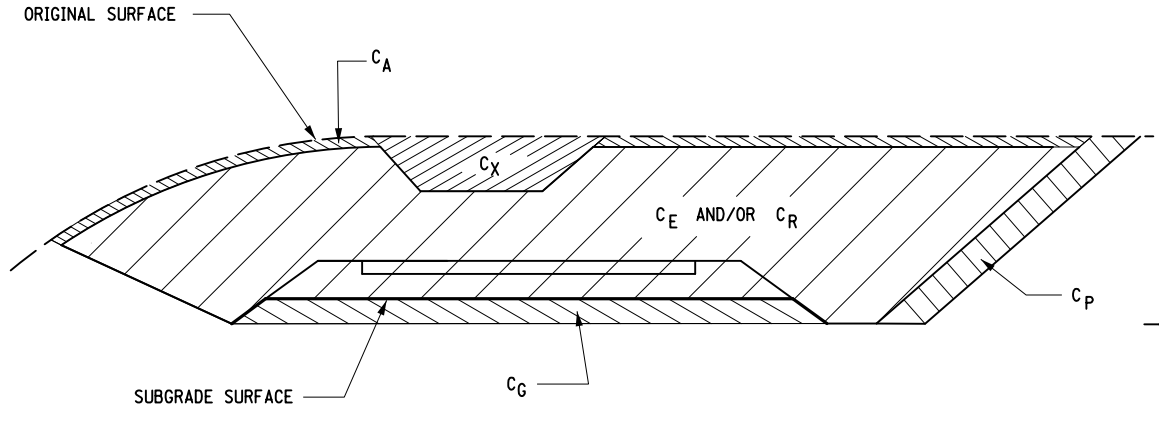
ITEM 685.1202 (LF)							
YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS							
FROM STATION	TO STATION	SIDE	TYPE	LENGTH (FT)	WIDTH (IN)	FACTOR	PAYABLE LENGTH
SITE 1							
12+50.00	15+30.00	CL	YSBL	280	4	1.25	350
15+30.00	16+25.00	CL	YBLL	95	4	0.25	24
SITE 3							
13+25	15+50	CL	YSDL	225	4	2.00	450
SITE 4							
10+25.00	14+50.00	CL	YSBL	425	4	1.25	531
14+50.00	15+25.00	CL	YSDL	150	4	2.00	300
SITE 6							
10+00.00	15+00.00	CL	YSDL	500	4	2.00	1,000
12+21.00	15+00.00	LT	YSDL	279	4	2.00	558
12+21.00	15+00.00	LT	YSHL	342	12	3.00	3,078
TOTAL:							6,291

AFFIX SEAL: ON:	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	CONTRACT 3					D265331	
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2					DRAWING NO. MT-1	
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD					SHEET NO. 46	
	COUNTY: MADISON, ONEIDA REGION: 2						
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						NEW YORK STATE OF OPPORTUNITY Department of Transportation	

SUMMARY OF EARTHWORK					
SOURCE	EXCAVATION			TOTAL EXCAVATION	ITEM 203.03
	T _E	C _R	T _U	C _T	F _T
SITE 1	1160	15	310	1485	550
SITE 3	1150	-	445	1595	780
SITE 4	1725	-	400	2125	1340
SITE 6	1050	-	650	1700	450
TOTALS	5085	15	1805	6905	3120

SUMMARY OF STRUCTURAL EXCAVATION (ITEM 206.01 ONLY)			
SOURCE	EXCAVATION		ITEM 206.01
	ROCK	NON-ROCK	
SITE 1	15	1160	1175
SITE 3	-	1150	1150
SITE 4	-	1775	1725
SITE 6	-	1050	1050
TOTALS	15	5085	5100

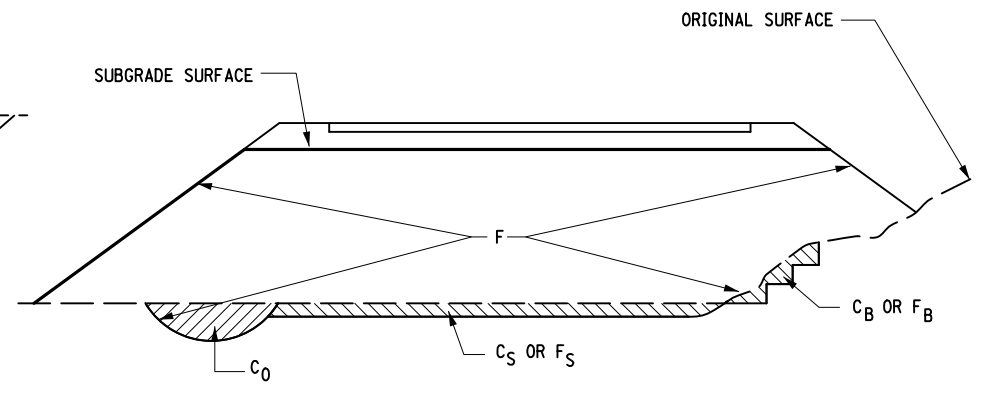


CUT SECTION

DEFINITIONS:

- C_B - EXCAVATION FOR REQUIRED BENCHING, (BOTH LONGITUDINAL AND TRANSVERSE).
- C_G - EXCAVATION FOR SUBGRADE IMPROVEMENT.
- C_P - EXCAVATION FROM CUT SLOPE NECESSARY TO PLACE SLOPE PROTECTION.
- C_E - PORTION OF CUT ASSUMED TO BE EARTH SUITABLE FOR EMBANKMENT CONSTRUCTION, EXCLUDING C_G AND C_P.
- T_E - (C_B + C_G + C_P + C_E) TOTAL EARTH EXCAVATION ASSUMED SUITABLE FOR EMBANKMENT CONSTRUCTION.
- C_A - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) IN CUT.
- C_S - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) UNDER EMBANKMENT.
- C_X - EXCAVATION OF UNSUITABLE MATERIAL IN CUT: EXISTING PAVEMENT SECTION
- C_O - EXCAVATION OF UNSUITABLE MATERIAL BENEATH EMBANKMENT: SWAMP OR DUMP
- T_U - (C_A + C_S + C_X + C_O) TOTAL EXCAVATION ASSUMED UNSUITABLE FOR EMBANKMENT CONSTRUCTION.
- C_R - PORTION OF CUT ASSUMED TO BE ROCK, INCLUDING C_G IF APPLICABLE.
- C_T - (T_E + T_U + C_R) TOTAL EXCAVATION.

SUMMARY OF TRENCH AND CULVERT EXCAVATION (ITEM 206.0201 ONLY)			
SOURCE	EXCAVATION		ITEM 206.0201
	ROCK	NON-ROCK	
SITE 1	-	-	-
SITE 3	-	80	80
SITE 4	-	205	205
SITE 6	-	520	520
TOTALS		805	805



FILL SECTION

DEFINITIONS:

- F_B - FILL REQUIRED TO REPLACE BENCHES.
- F_S - FILL REQUIRED TO REPLACE TOPSOIL REMOVED BENEATH EMBANKMENTS.
- F - FILL REQUIRED TO COMPLETE EMBANKMENT TO SUBGRADE SURFACE AND SIDE-SLOPES AFTER FOUNDATION IS PREPARED.
- F_T - (F_B + F_S + F) TOTAL FILL REQUIRED.
- T_A - (T_E × F_E + C_R × F_R) THE VOLUME WHICH THE SUITABLE EXCAVATED MATERIAL COULD OCCUPY IN EMBANKMENT.
- F_E - SHRINKAGE FACTOR FOR EARTH
- F_R - SWELL FACTOR FOR ROCK

NOTES:

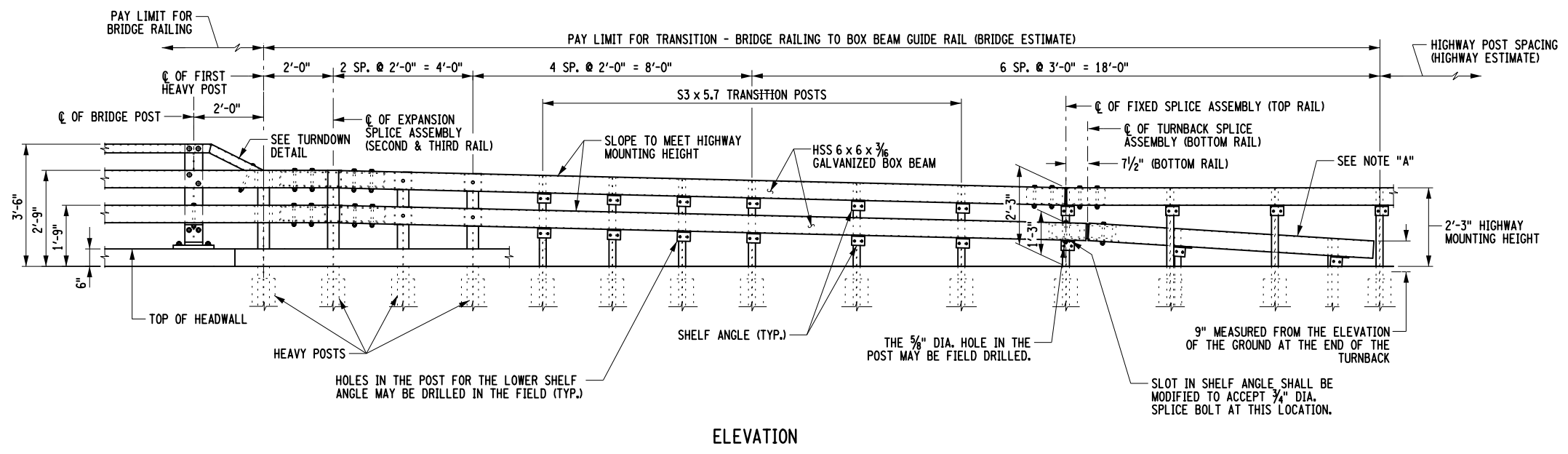
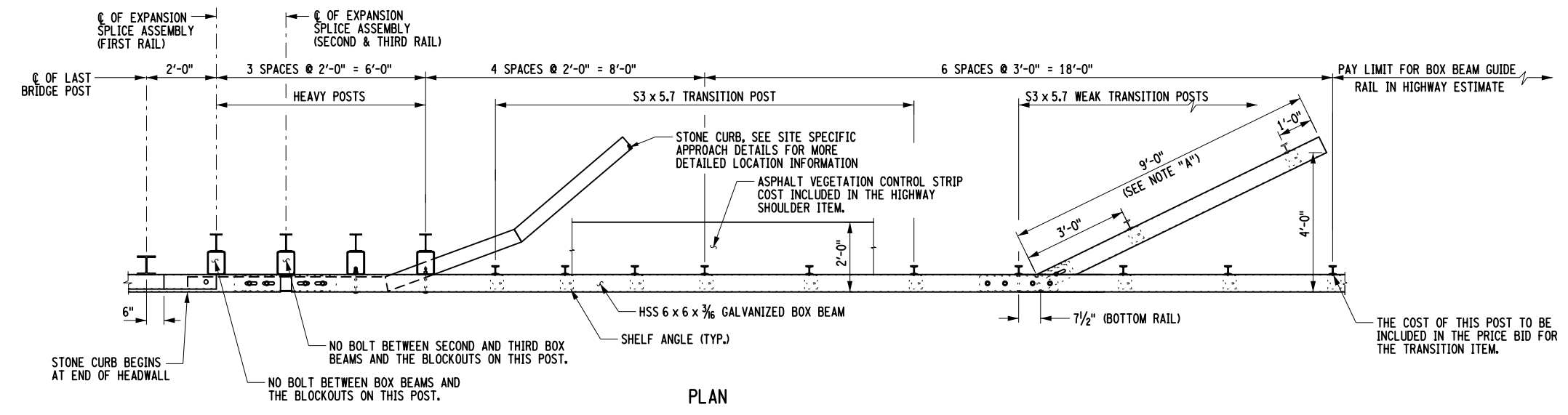
THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THESE TABLES ARE ESTIMATED, AND ARE PROVIDED FOR THE PURPOSE OF PREPARING AN ESTIMATE. THEY ARE NOT TO BE CONSTRUED AS BEING EXACT. THEY ARE INTENDED TO QUANTIFY AND QUALIFY THE NATURE OF THE WORK TO BE PERFORMED. SIGNIFICANT DIFFERENCE FROM THIS REPRESENTATION, WHEN ENCOUNTERED DURING THE ACTUAL WORK, WILL BE HANDLED ACCORDING TO THE SPECIFICATIONS GOVERNING THIS PROJECT.

203.02 UNCLASSIFIED EXCAVATION AND DISPOSAL
203.03 EMBANKMENT IN PLACE
206.0201 TRENCH AND CULVERT EXCAVATION

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	CONTRACT 3					D265331	
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2						
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD						
	COUNTY: MADISON, ONEIDA	REGION: 2			EARTHWORK SUMMARY	DRAWING NO. ESS-1	
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						NEW YORK STATE OF OPPORTUNITY.	Department of Transportation

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\2LC11.opb.dtl.r1g.dgn
 DATE = 7/24/2014
 TIME = 1:43:56 PM

DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN R. WOOD/D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
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 PROJECT MANAGER W. FINCH

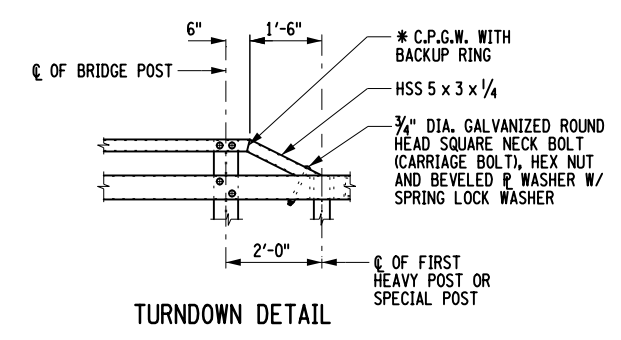
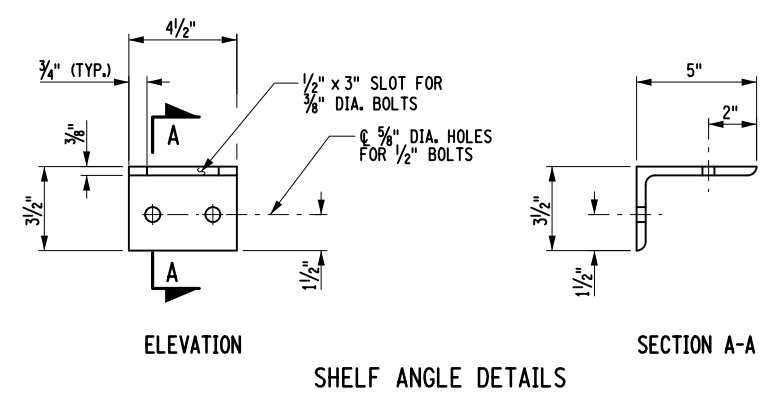


NOTES:

NOTE "A":
 THE COST OF THE POSTS, SPLICE TUBE AND RAIL FOR THE TURNBACK IS INCLUDED IN THE PRICE BID FOR THE TRANSITION ITEM.

* C.P.G.W. = COMPLETE PENETRATION GROOVE WELD.

ANY MODIFICATIONS MADE IN THE FIELD THAT DAMAGES GALVANIZATION SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01 OF THE NYS STANDARD SPECIFICATIONS.



AFFIX SEAL: ON: _____

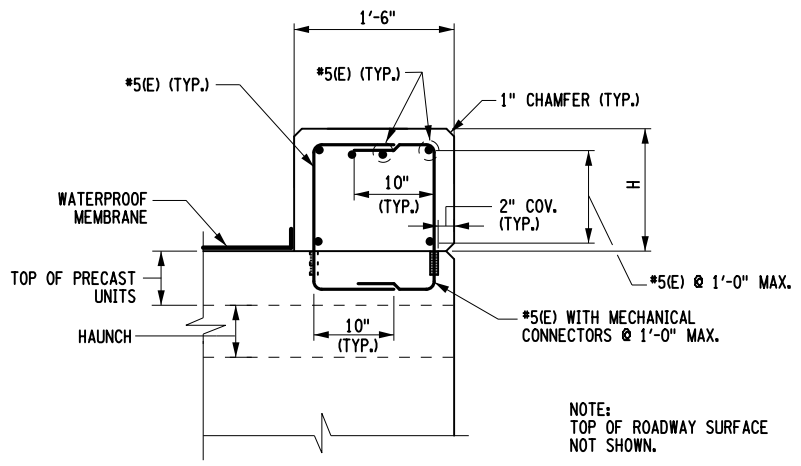
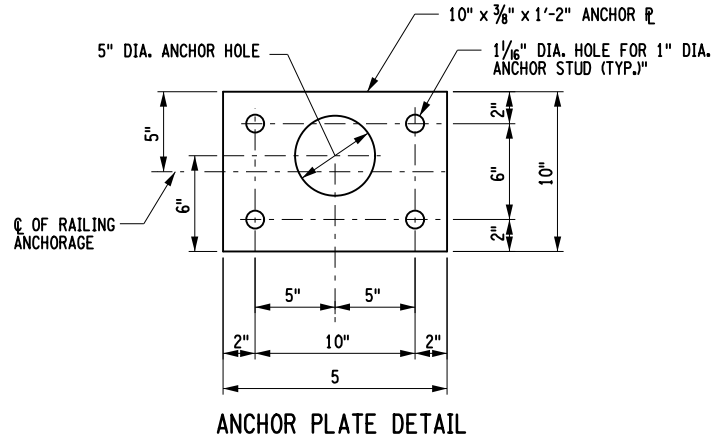
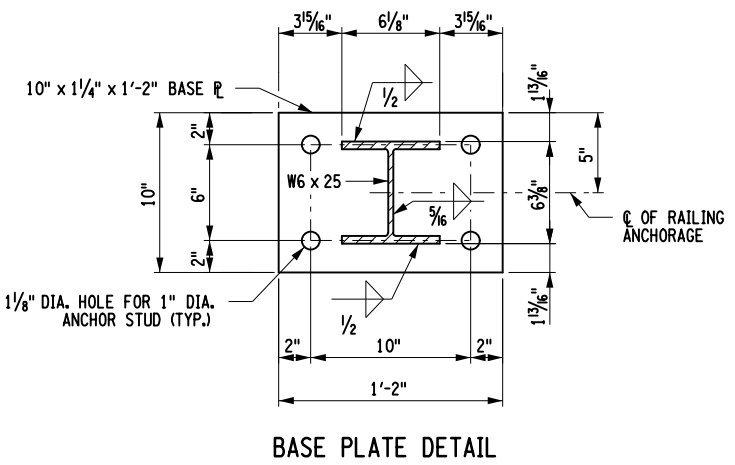
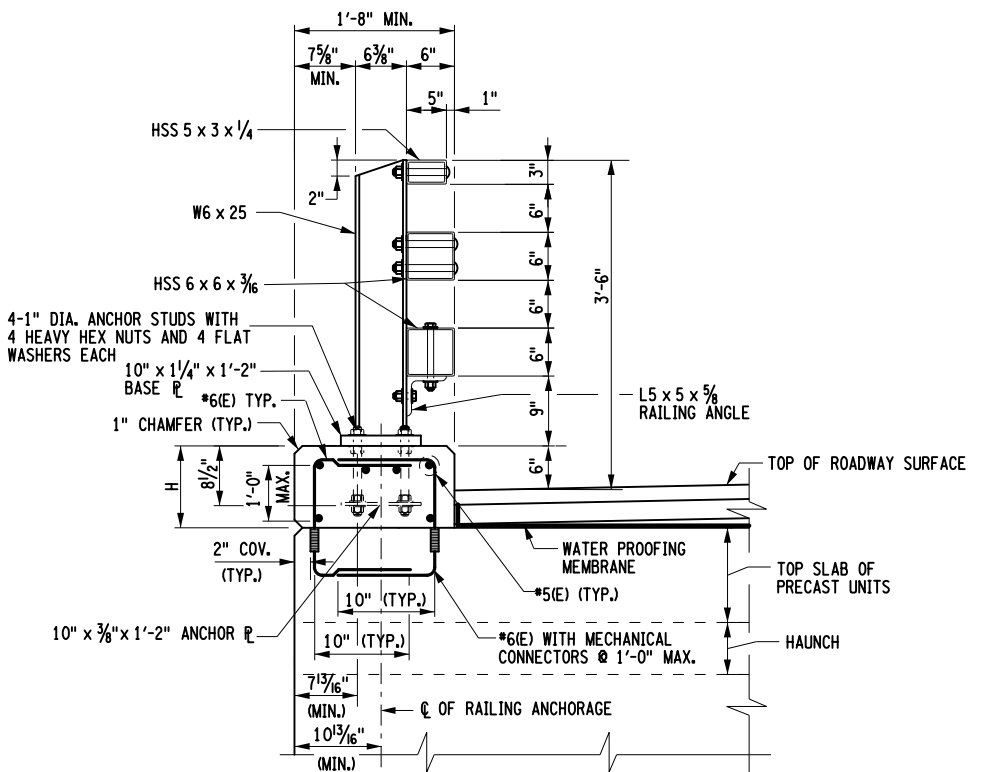
ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	CONTRACT 3					DRAWING NO. RL-1	
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2				ALL SITES RAILING DETAILS (SHEET 1 OF 4)	SHEET NO. 48	
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD	COUNTY: MADISON, ONEIDA	REGION: 2				

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DESIGN SUPERVISOR M. SCHOOLLEY
 JOB MANAGER B. TREMBLAY
 DESIGN R. WOOD/D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



NOTE:
 FOR HEADWALL HEIGHT AND ELEVATIONS REFER TO THE "RAILING LAYOUT AND HEADWALL DETAILS" SHEETS FOR EACH SITE

AFFIX SEAL: ON: [Seal of Matthew J. Schoolley, Licensed Professional Engineer, No. 069983]

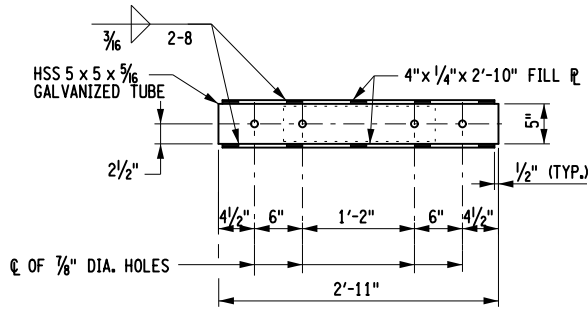
ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	CONTRACT 3					D265331	
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2					DRAWING NO. RL-2	
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD					SHEET NO. 49	
COUNTY: MADISON, ONEIDA	REGION: 2	ALL SITES RAILING DETAILS (SHEET 2 OF 4)			NEW YORK STATE OF OPPORTUNITY Department of Transportation		

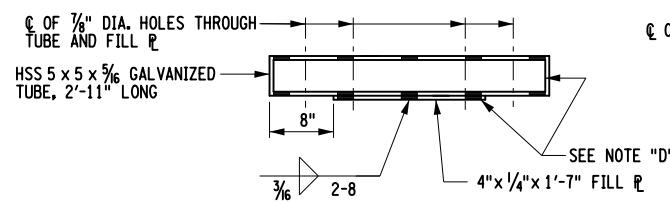
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\2LC11.opb.dtl.r1g.dgn
 DATE = 7/24/2014
 TIME = 1:43:36 PM

DESIGN SUPERVISOR: M. SCHOOLLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: R. WOOD/D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: W. FINCH

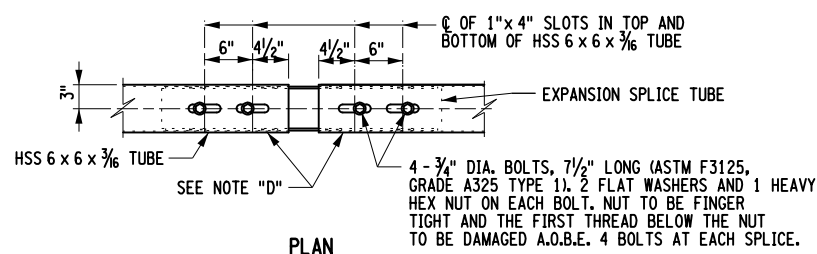


PLAN

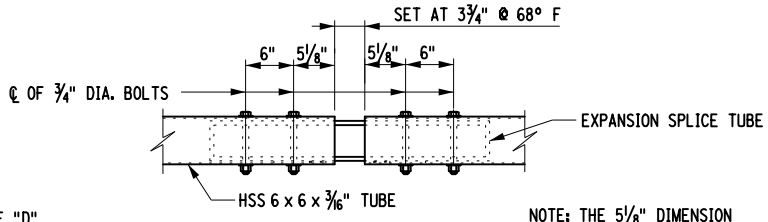


ELEVATION

EXPANSION SPLICE TUBE

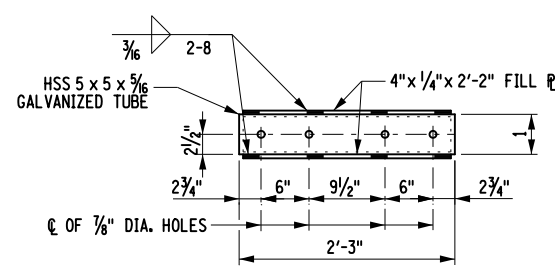


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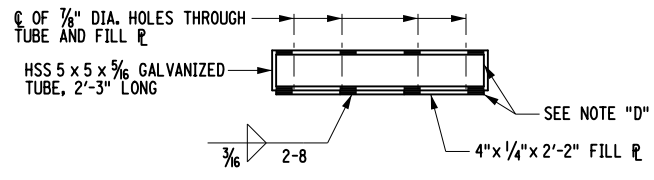


ELEVATION

EXPANSION SPLICE ASSEMBLY

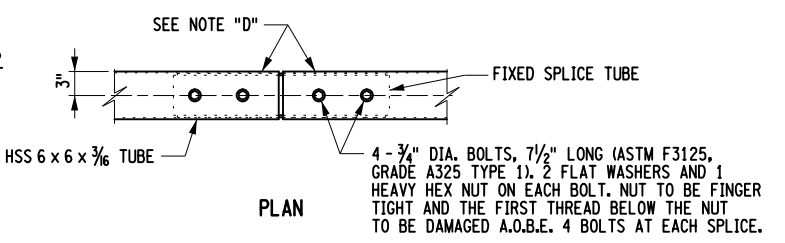


PLAN

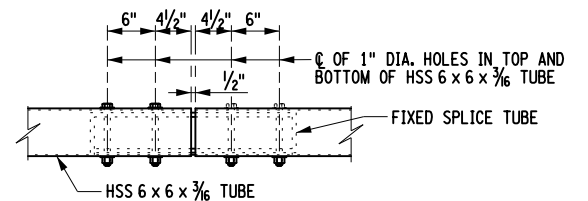


ELEVATION

FIXED SPLICE TUBE

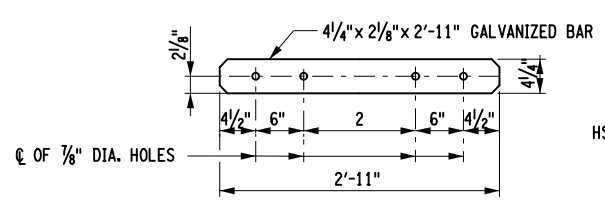


PLAN

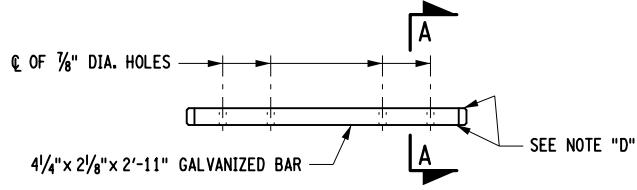


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FIXED SPLICE ASSEMBLY

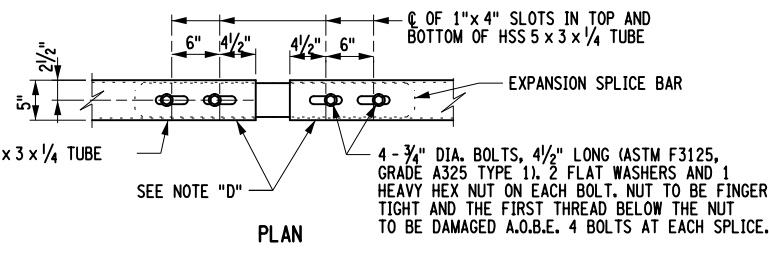


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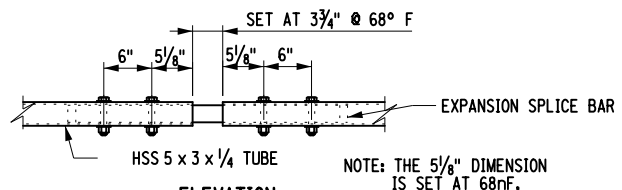


ELEVATION

EXPANSION SPLICE BAR

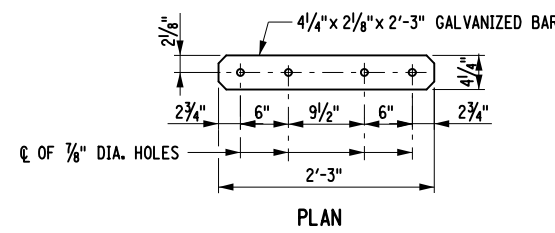


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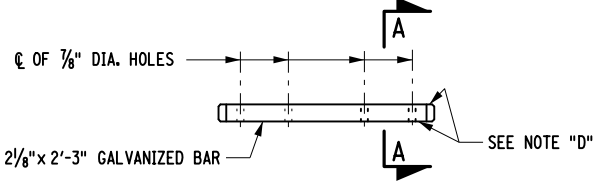


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EXPANSION SPLICE ASSEMBLY

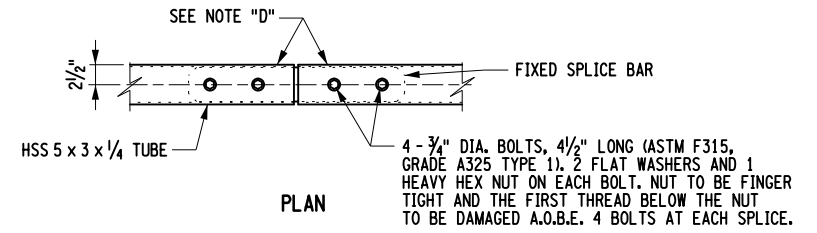


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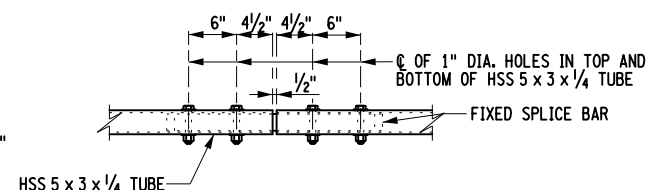


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FIXED SPLICE BAR

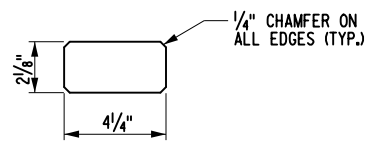


PLAN



ELEVATION

FIXED SPLICE ASSEMBLY



SECTION A-A

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

AFFIX SEAL: ON:

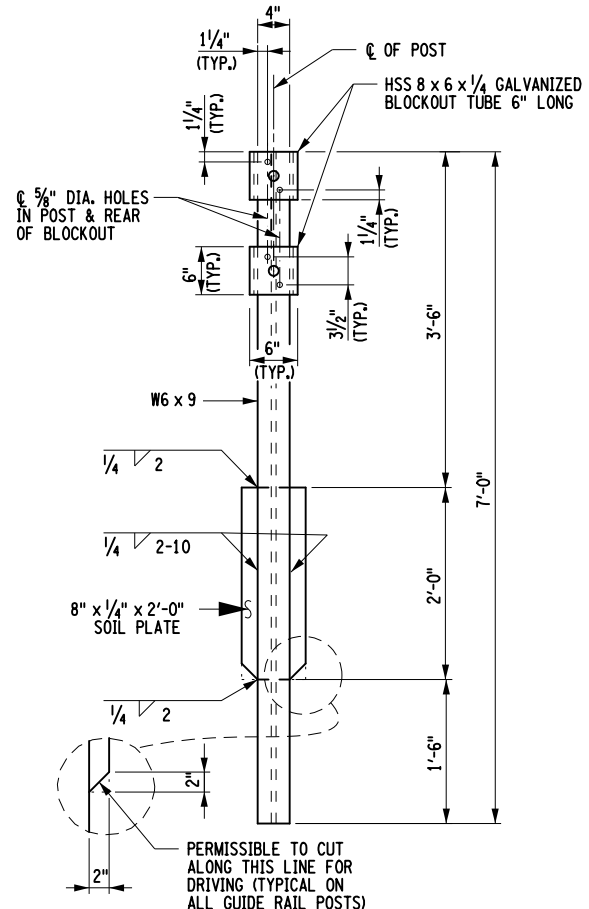
ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	
	CONTRACT 3				ALL SITES RAILING DETAILS (SHEET 3 OF 4)	DRAWING NO. RL-3	
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2					SHEET NO. 50	
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD						
	COUNTY: MADISON, ONEIDA	REGION: 2					Department of Transportation

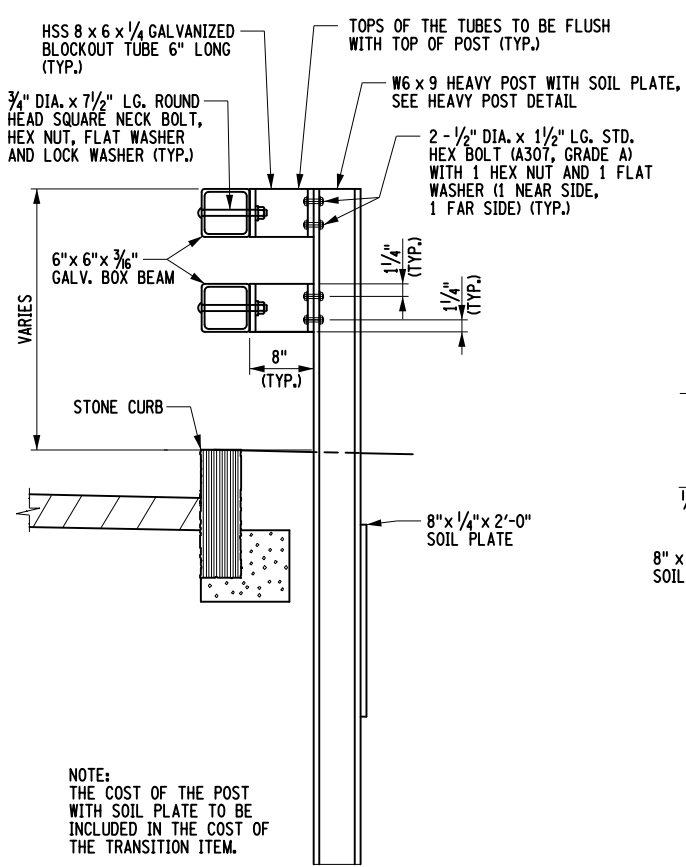
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FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\21C11.opb.dtl.r1g.dgn
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 TIME = 1:43:37 PM

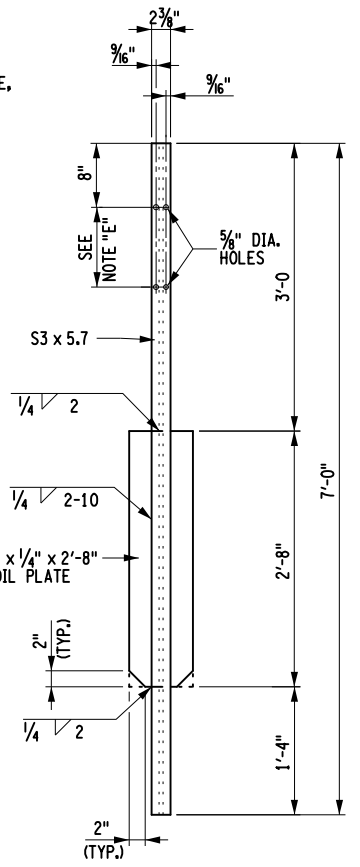
DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN R. WOOD/D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



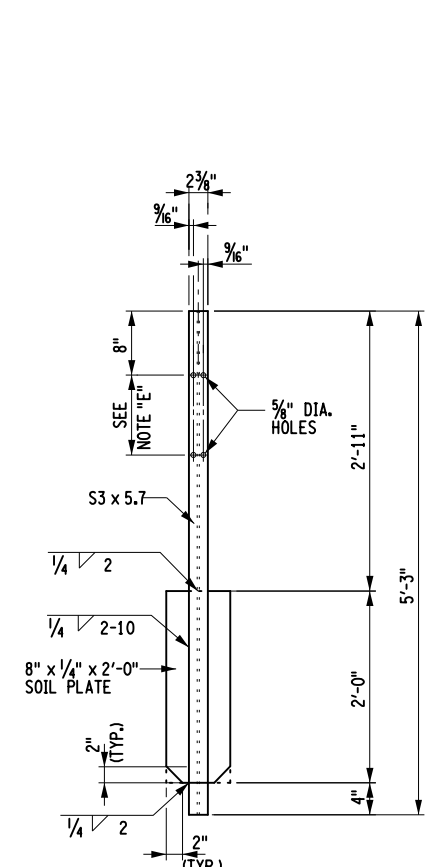
HEAVY POST DETAIL



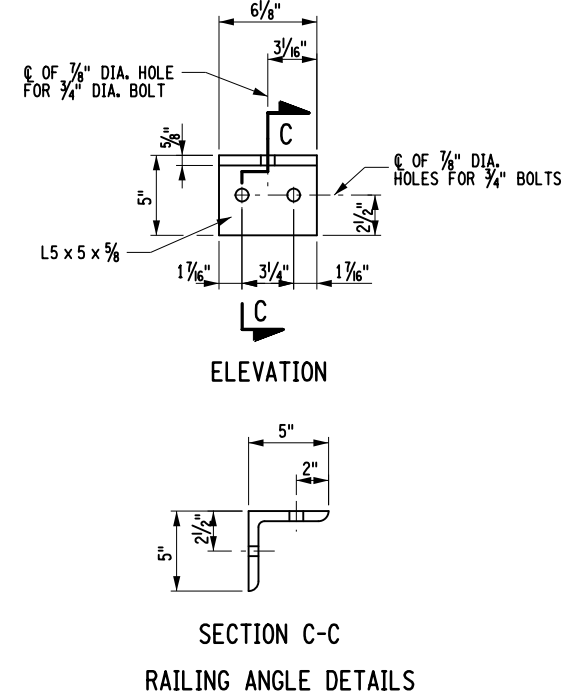
HEAVY POST ELEVATION



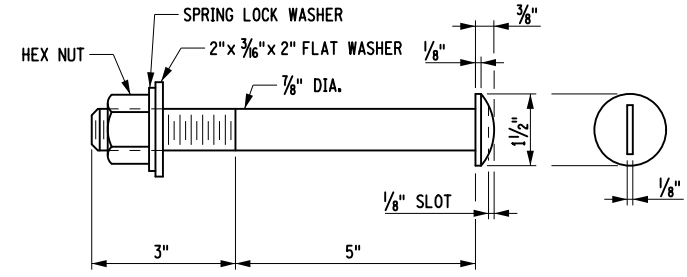
TRANSITION POST DETAIL



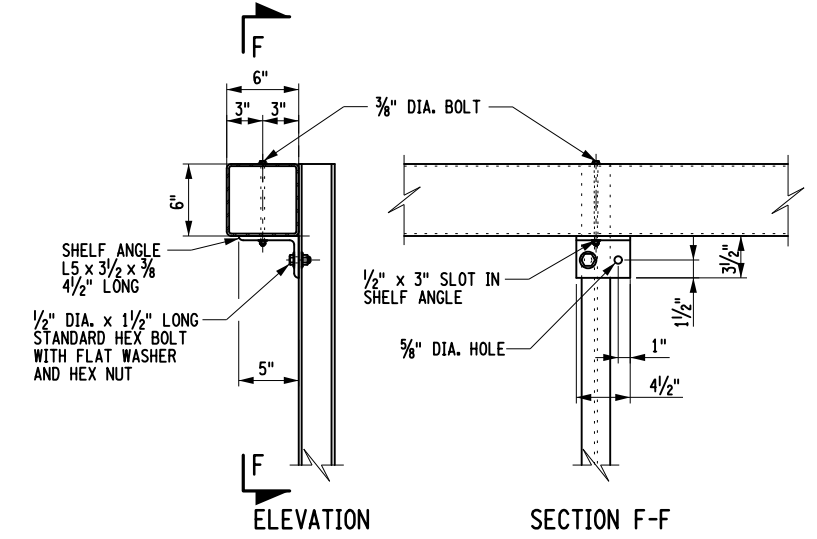
WEAK TRANSITION POST DETAIL



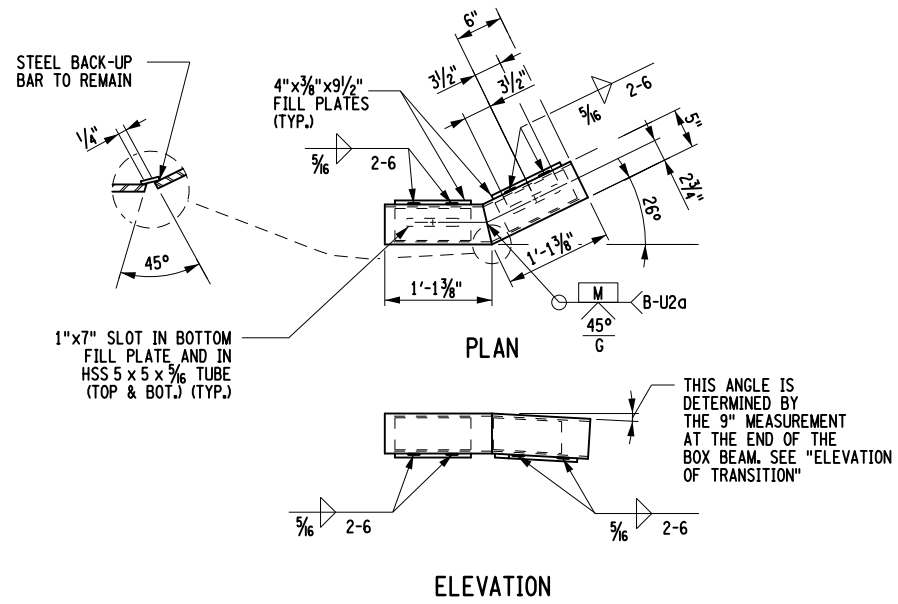
SECTION C-C
RAILING ANGLE DETAILS



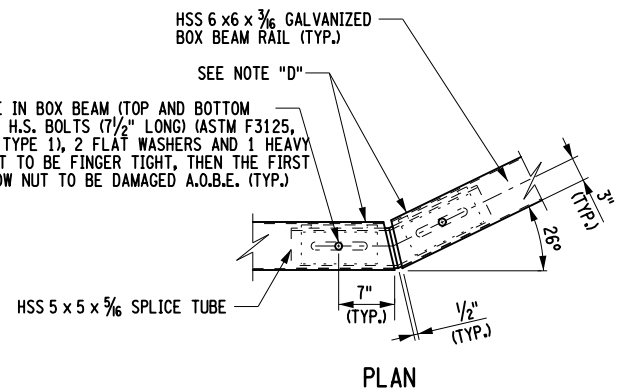
SLOTTED ROUND HEAD BOLT



TYPICAL RAIL TO WEAK TRANSITION POST CONNECTION



SPLICE TUBE DETAILS FOR TURNBACK



SPLICE DETAIL AT TURNBACK
IN LOWER TRANSITION GUIDE RAIL

AFFIX SEAL: ON:

ALTERED BY: ON:

NOTES:
 NOTE "E": HOLES IN THE POST FOR THE LOWER RAIL MAY BE LOCATED AND DRILLED IN THE FIELD. IF SO, THE GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01.

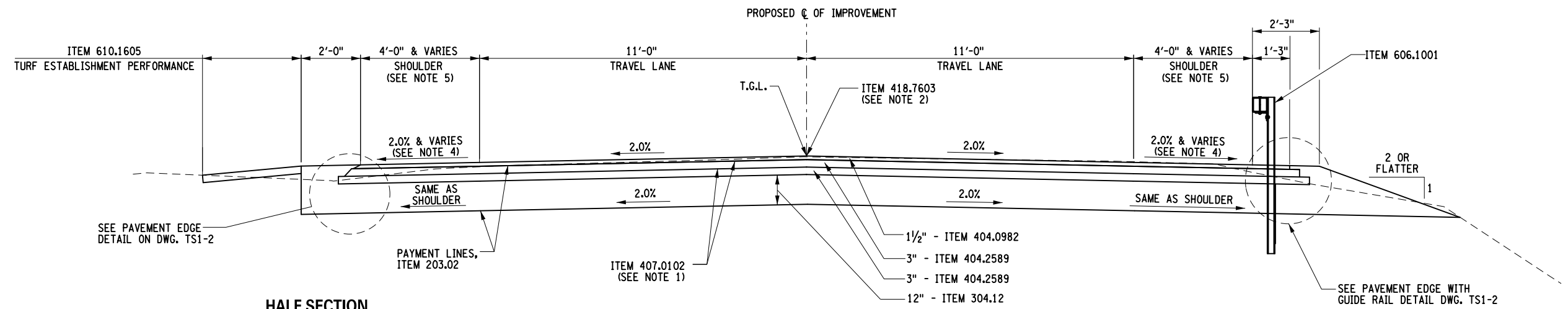
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENTS AT MULTIPLE LOCATIONS	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C240072 C240056 C260106 C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331
	CONTRACT 3				ALL SITES RAILING DETAILS (SHEET 4 OF 4)	CONTRACT NUMBER RL-4
	S.H. 506, S.H. 8374, S.H. 369, S.H. 54-2					D265331
	SULLIVAN, GEORGETOWN, AUGUSTA, NEW HARTFORD					DRAWING NO. RL-4
	COUNTY: MADISON, ONEIDA	REGION: 2				SHEET NO. 51

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



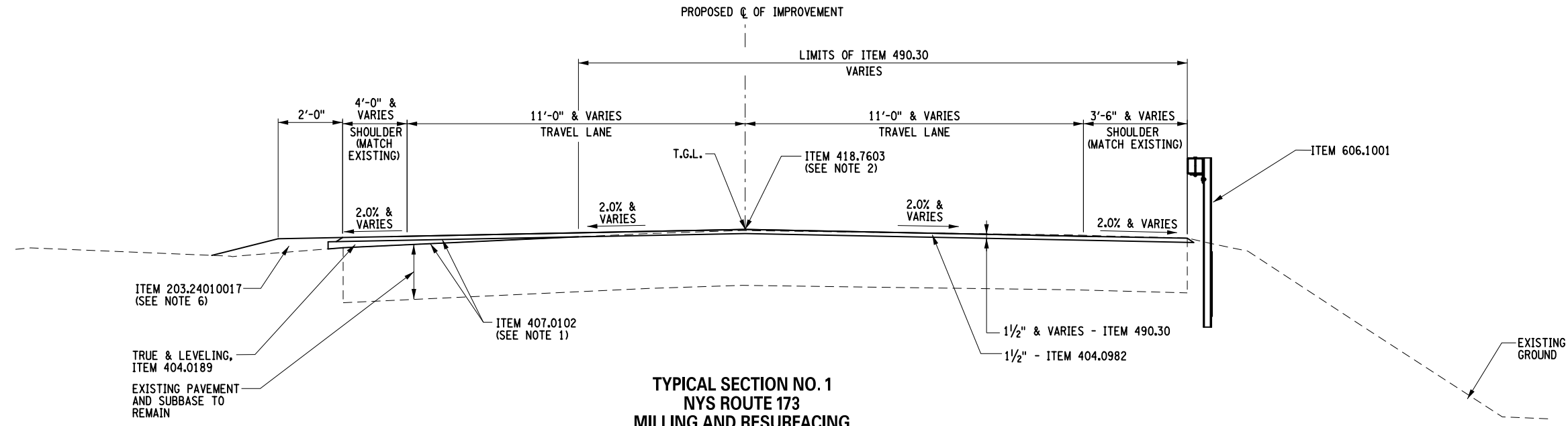
FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 1 - C240072\2LC11.cpl.tup.ste.l.dgn
 DATE = 7/24/2024
 TIME = 1:43:38 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: M. FINCH



HALF SECTION WITHOUT GUIDE RAIL
 LOCATIONS:
 STA. 13+25 TO STA. 14+45 LT.
 STA. 15+25 TO STA. 16+00 RT.

**TYPICAL SECTION NO. 2
 NYS ROUTE 173
 FULL DEPTH RECONSTRUCTION**
 NOT TO SCALE
 LOCATION:
 STA. 14+00.00 TO STA. 15+35.00
 (REFER TO CULVERT TRANSVERSE SECTION FOR PAVING OVER THE CULVERT)



TRUE & LEVELING, ITEM 404.0189
 EXISTING PAVEMENT AND SUBBASE TO REMAIN

**TYPICAL SECTION NO. 1
 NYS ROUTE 173
 MILLING AND RESURFACING**
 NOT TO SCALE
 LOCATION:
 STA. 13+25.00 TO STA. 14+00.00
 STA. 15+35.00 TO STA. 16+00.00

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	606.1001	BOX BEAM GUIDE RAILING WITH EXTRA LONG POST	LF
203.03	EMBANKMENT IN PLACE	CY	610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY
203.24010017	SHOULDER BACKUP MATERIAL	TON			
304.12	SUBBASE COURSE, TYPE 2	CY			
404.0189	TRUING & LEVELING F9, ASPHALT, 80 SERIES COMPACTION	TON			
404.0982	9.5 F2 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON			
404.2589	25 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON			
407.0102	DILUTED TACK COAT	GAL			
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF			
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY			

NOTES:

- TACK COAT SHALL BE APPLIED BETWEEN ALL LIFTS OF ASPHALT.
- ITEM 418.7603 SHALL BE APPLIED ON ALL VERTICAL FACES FOR ALL JOINTS AND AT FACE OF CURB ON THE TOP COURSE ONLY.
- USE 25' AT THE BEGINNING AND END TO TRANSITION SHOULDER CROSS SLOPE TO MATCH EXISTING CROSS SLOPE.
- REFER TO DWG. PL1-1 FOR SHOULDER TAPER LOCATIONS.
- ITEM 203.24010017 SHOULDER BACKUP SHALL BE OPTION B ONLY (TYPE 2 SUBBASE). APPROVED MATERIAL NEEDS TO BE STOCKPILES AND TESTED IN ACCORDANCE WITH GCP-17 PROCEDURES.



AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT	PIN 2LC1.12
ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK	BRIDGES
SH 506	CULVERTS C240072
TOWN OF SULLIVAN	
COUNTY: MADISON	REGION: 2

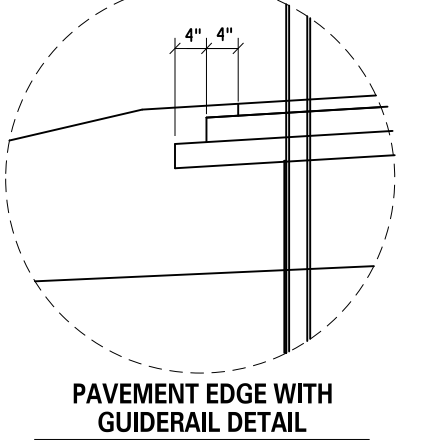
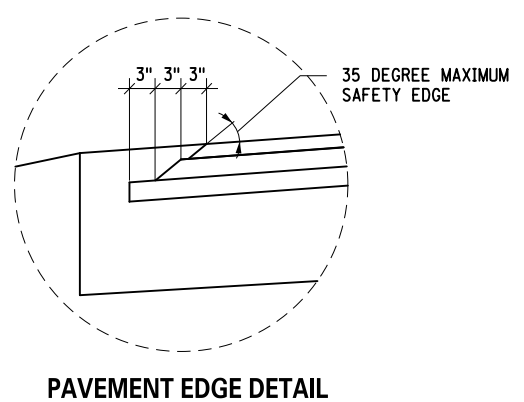
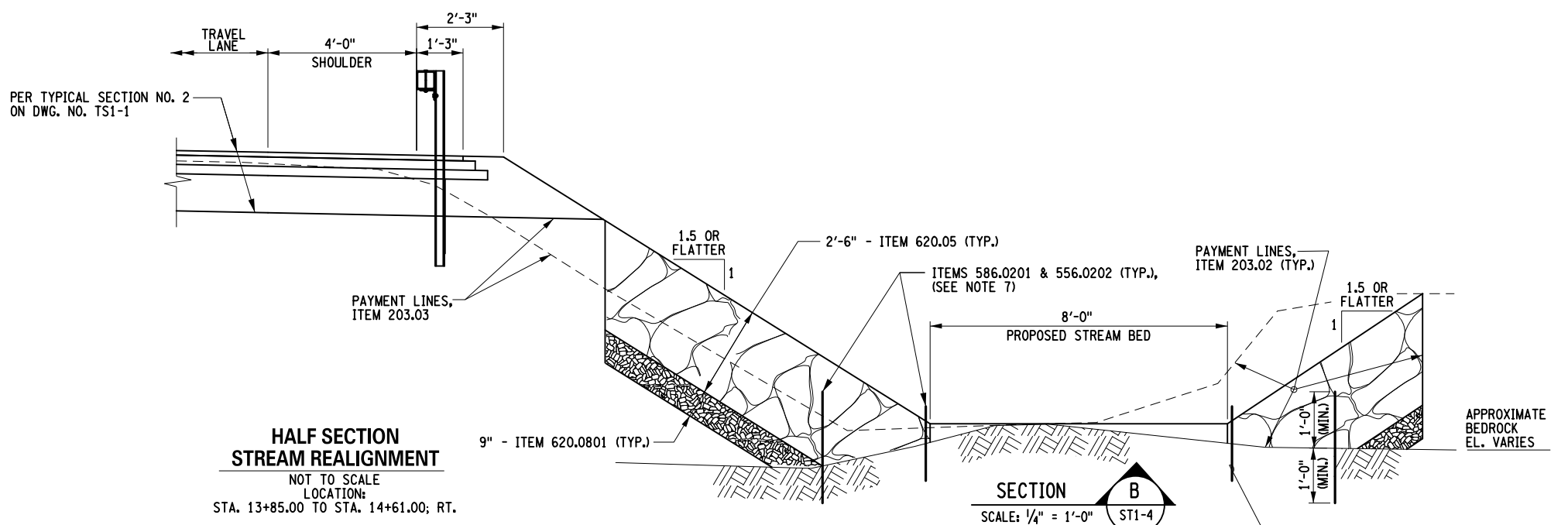
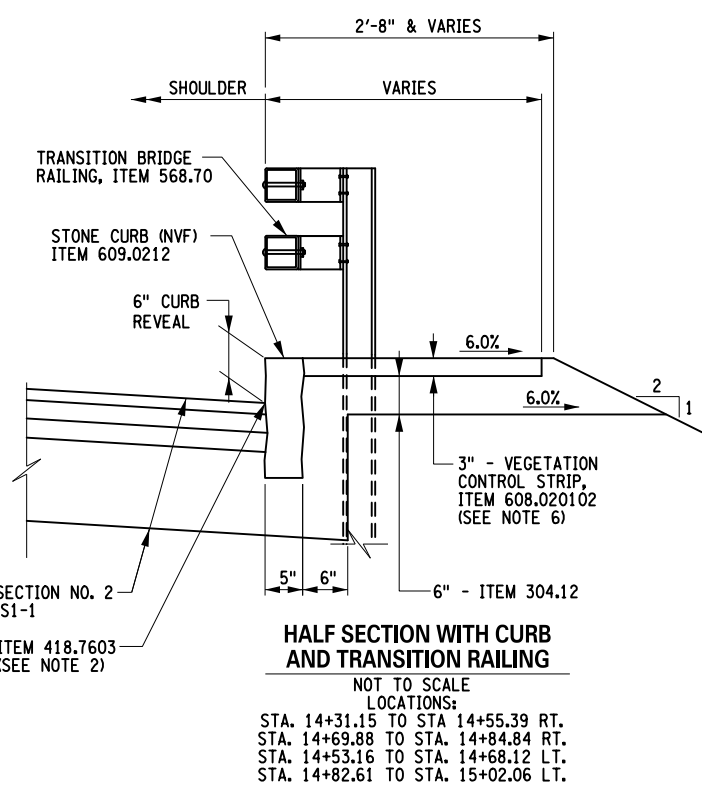
ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED		CONTRACT NUMBER	B & L
SITE 1		D265331	
TYPICAL SECTIONS		DRAWING NO. TS1-1	
			SHEET NO. 52

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



FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 1 - C240072\2LC11.cpl.tup.ste 1.dgn
 DATE = 7/24/2014
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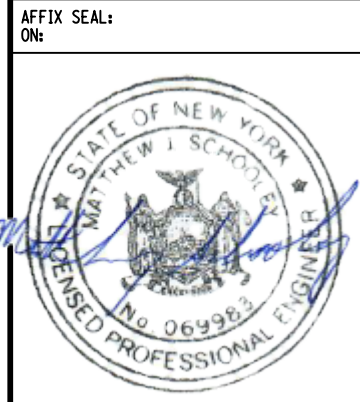
DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: M. FINCH



ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	609.0212	STONE CURB (NVF)	LF
203.03	EMBANKMENT IN PLACE	CY	620.05	STONE FILLING (HEAVY)	CY
209.2103	SOIL STABILIZERS, CLASS IV TYPE C	SY	620.0801	BEDDING MATERIAL, TYPE 1	CY
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF			
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB			
568.70	TRANSITION BRIDGE RAILING	LF			
586.0201	DRILLING AND GROUTING BOLTS OR REINFORCEMENT BARS	EA			
606.10	BOX BEAM GUIDE RAILING	LF			
608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS, BICYCLE PATHS, AND VEGETATION CONTROL STRIPS	TON			

NOTES:

- TACK COAT SHALL BE APPLIED BETWEEN ALL LIFTS OF ASPHALT.
- ITEM 418.7603 SHALL BE APPLIED ON ALL VERTICAL FACES FOR ALL JOINTS AND AT FACE OF CURB ON THE TOP COURSE ONLY.
- ITEM 209.2103 SHALL BE USED ON SLOPES STEEPER THAN 1:2.
- PAYMENT FOR VEGETATION CONTROL STRIP SHALL BE MADE UNDER ITEM 608.020102 IN AREAS BEHIND CURB ONLY. SEE DWGS. MD1-1 AND MD1-2.
- DRILL AND GROUT PINS INTO BEDROCK @ 3' O.C. TO CONTAIN HEAVY STONE FILL.

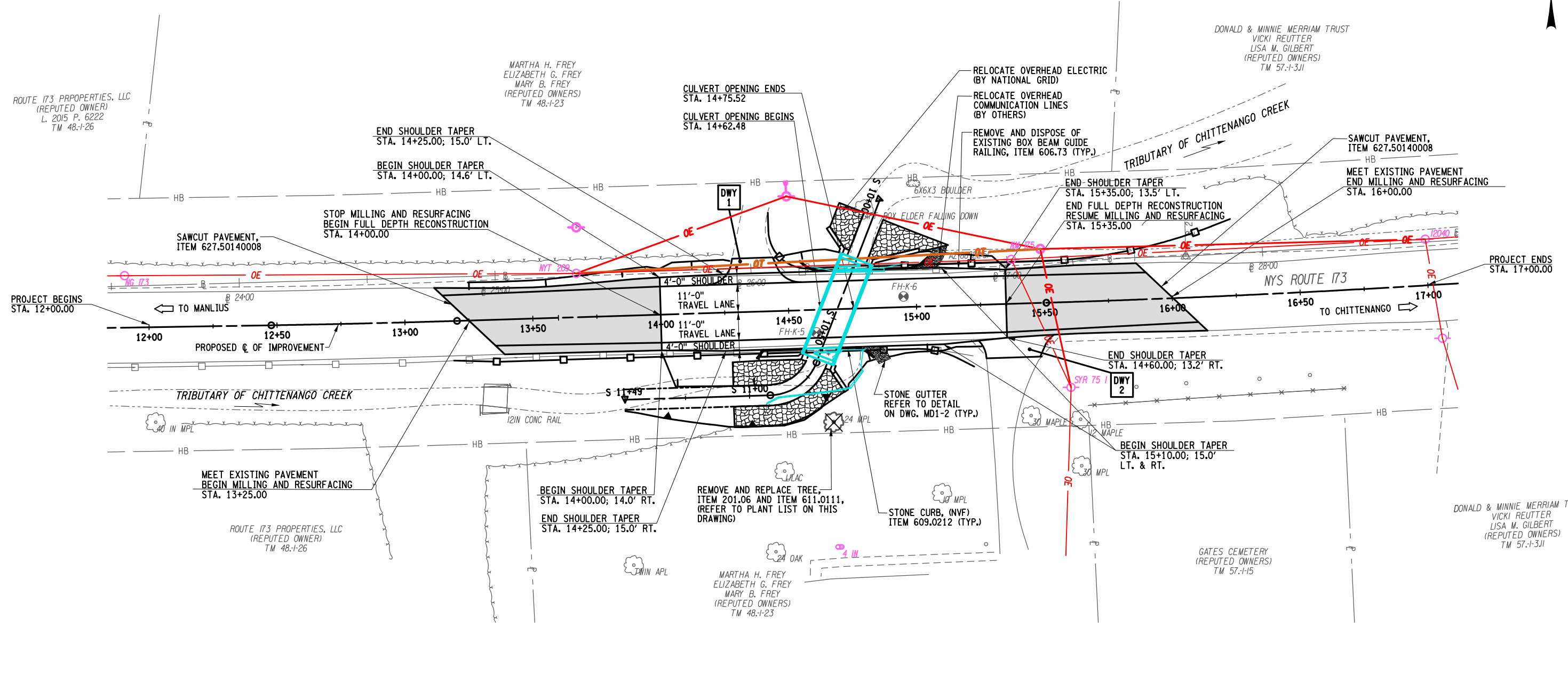


AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK SH 506 TOWN OF SULLIVAN COUNTY: MADISON	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
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.					SITE 1 TYPICAL SECTIONS		DRAWING NO. TS1-2 SHEET NO. 53
NEW YORK STATE OF OPPORTUNITY						Department of Transportation	

FILE NAME = I:\Projects\2008\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 1 - C240072\2LC11.cph.gnp.site.1.dgn
 DATE = 7/24/2014
 TIME = 1:43:59 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: M. FINCH



- NOTES:**
- REFER TO DWG. ECP1-1 FOR EROSION CONTROL MEASURES.
 - REFER TO DWG. HCP1-1 FOR HORIZONTAL ALIGNMENT CONTROL AND DWG. BLT1-1 FOR SURVEY INFORMATION, BENCHMARKS AND BASELINE TIES.
 - REFER TO DWG. PM1-1 FOR SIGNING, STRIPING, AND GUIDE RAIL LAYOUT INFORMATION.
 - REFER TO DWG. UP1-1 FOR UTILITY INFORMATION.

PLANT LIST						
QTY	KEY	LATIN NAME	COMMON NAME	SIZE	ROOTS	COMMENTS
PLANTING - MAJOR DECIDUOUS TREES - (ITEM 611.0111)						
1	AR	Acer rubrum	Red Maple	2 1/2" Cal.	B&B	

LEGEND:

■ MILLING & RESURFACING, REFER TO TYPICAL SECTION NO. 1 ON DWG. TS5-1

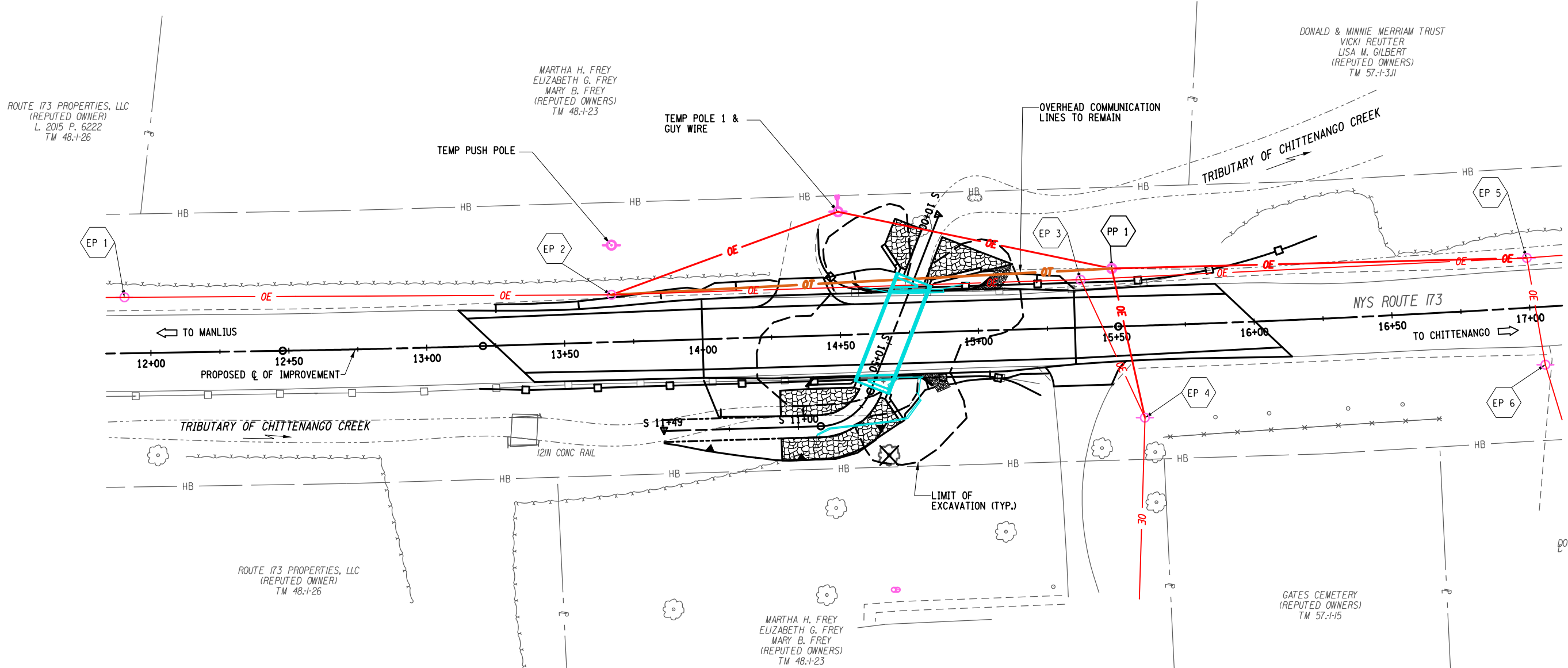
AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK SH 506 TOWN OF SULLIVAN COUNTY: MADISON REGION: 2	PIN 2LC1.12 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
SITE 1 GENERAL PLAN					DRAWING NO. PL1-1 SHEET NO. 54		
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.							
Department of Transportation							

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 1 - C240072\2LC11.0ph.utp.site 1.dgn
 DATE = 7/24/2024
 TIME = 1:53:40 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



LEGEND:

- EP X EXISTING UTILITY POLE (SEE OVERHEAD UTILITY DISPOSITION TABLE)
- PP 1 PROPOSED UTILITY POLE

NOTES:

1. PROPOSED UTILITY LOCATIONS MAY BE ALTERED AS SHOWN ON THIS PLAN. LOCATIONS ARE FOR BIDDING PURPOSES. FINAL LOCATION SHALL NOT IMPACT PROPOSED HIGHWAY WORK.

OVERHEAD UTILITY DISPOSITION TABLE												
EP POLE NUMBER ON PLANS	UTILITIES REAL POLE NUMBER	FACILITIES ON STRUCTURE					PROPOSED DESIGN CONFLICT WITH EXISTING UTILITIES	RELOCATION OR REMOVAL REQUIRED		PRIVATE PROPERTY		UNDERGROUND POWER RISER
		DIST	SEC	LIGHT	CABLE	TEL		YES	NO	YES	NO	RELOCATION NEEDED (+)
SITE 1												
1	NG 173	X	X		X	X			X		X	
2	NG 174	X	X		X	X	OVERHEAD LINES ONLY	X			X	
3	NG 175	X	X		X	X	IMPACT TO CONSTRUCTION	X			X	
4	NG 175-1		X			X	OVERHEAD LINES ONLY	X			X	
5	NG 176	X	X		X	X	OVERHEAD LINES ONLY	X			X	
6	NG 176-1		X		X	X			X		X	



AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK
SH 506
TOWN OF SULLIVAN
COUNTY: MADISON REGION: 2

PIN 2LC1.12	BRIDGES	CULVERTS C240072
UTILITY QUALITY LEVEL D		

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331
SITE 1 UTILITY PLAN	DRAWING NO. UP1-1
	SHEET NO. 55

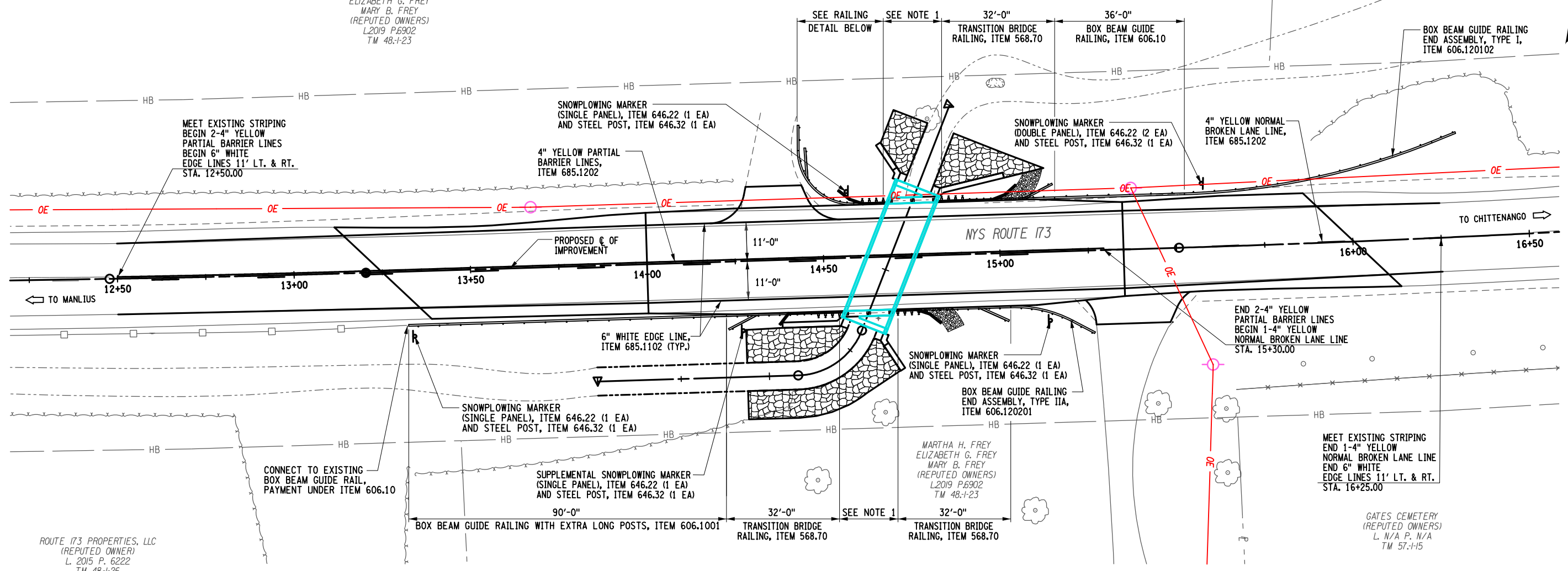
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 1 - C240072.2\CL11.cph.rlg.ste_1.dgn
 DATE = 7/24/2024
 TIME = 1:43:41 PM

DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: M. FINCH

DONALD & MINNIE MERRIAM TRUST
 VICKI REUTTER
 USA M. GILBERT
 (REPUTED OWNERS)
 L. 2012 P. 2391
 TM 57-1-3JI

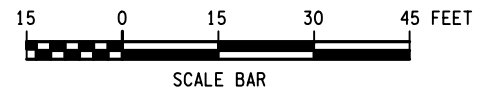
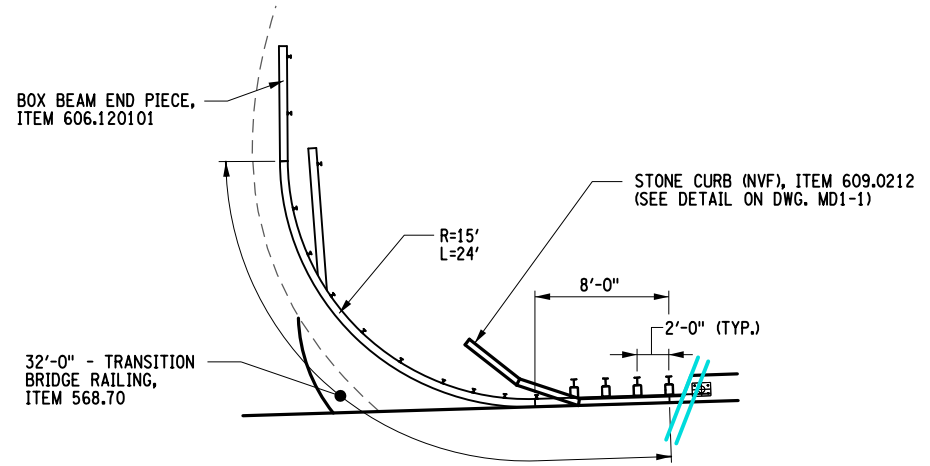
MARTHA H. FREY
 ELIZABETH G. FREY
 MARY B. FREY
 (REPUTED OWNERS)
 L. 2019 P. 6902
 TM 48-1-23



ROUTE 173 PROPERTIES, LLC
 (REPUTED OWNER)
 L. 2015 P. 6222
 TM 48-1-26

GATES CEMETERY
 (REPUTED OWNERS)
 L. N/A P. N/A
 TM 57-1-15

NOTES:
 1. REFER TO DWGS. ST1-8 & RL-1 TO RL-4 FOR BRIDGE RAILING DETAILS.



AFFIX SEAL: ON:

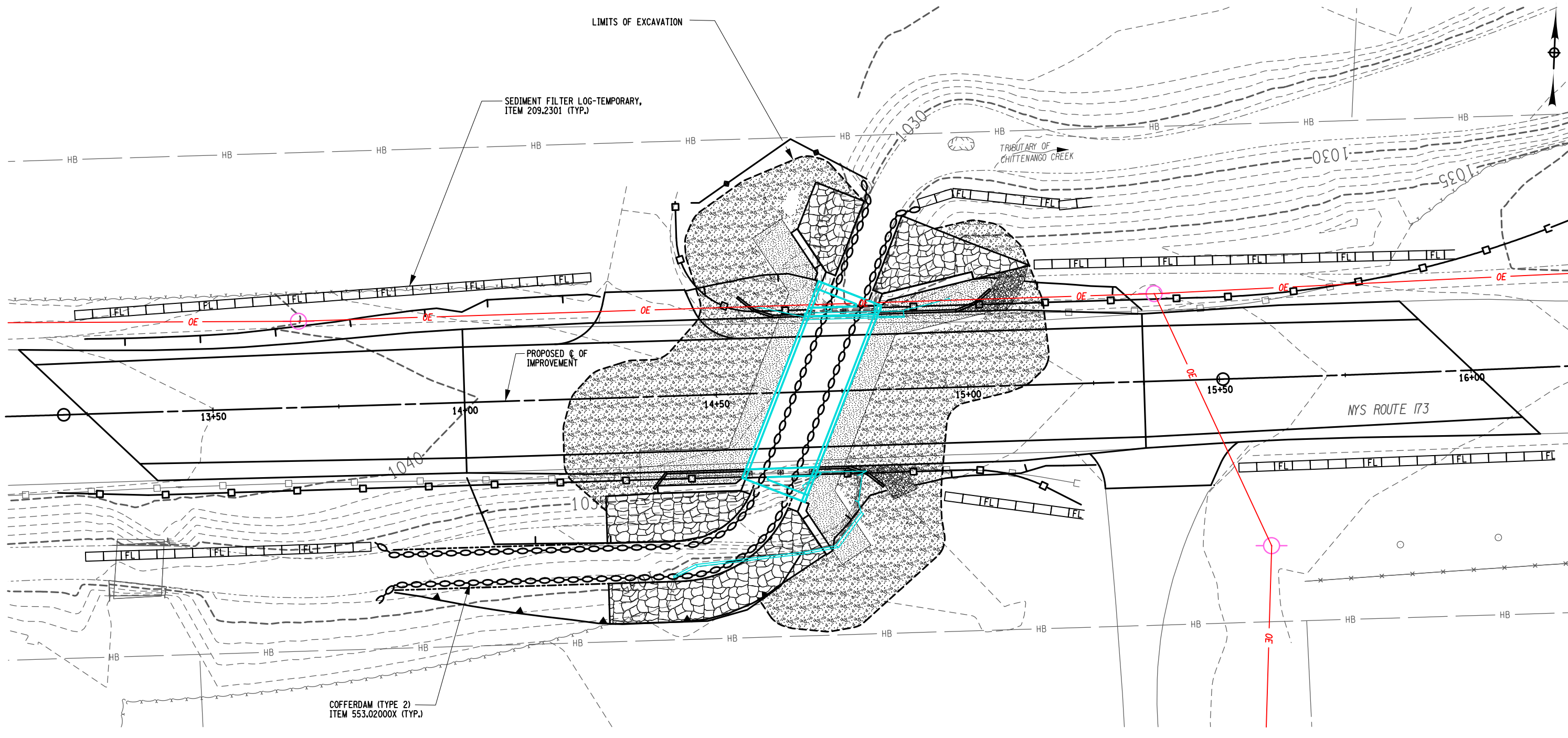
ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK					D265331	
	SH 506				SITE 1 PAVEMENT MARKING AND RAILING LAYOUT	DRAWING NO.	PM1-1
	TOWN OF SULLIVAN					SHEET NO.	56
	COUNTY: MADISON	REGION: 2				Department of Transportation	

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

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 DATE = 7/24/2014
 TIME = 1:43:42 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



LEGEND

	SEDIMENT FILTER LOG - TEMPORARY, ITEM 209.2301
	COFFERDAM (TYPE 2) ITEM 553.02000X
	LIMITS OF STRUCTURE EXCAVATION, ITEM 206.01
	STONE FILL (HEAVY), ITEM 620.05



AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK					SITE 1	
	SH 506				EROSION CONTROL PLAN	SHEET NO. 57	
	TOWN OF SULLIVAN						
	COUNTY: MADISON	REGION: 2					

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 DATE = 7/25/2024
 TIME = 8:52:34 AM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH

INDEX		
SHEET NO.	DESCRIPTION	DRAWING NO.
58	NOTES & INDEX	ST1-1
59	CULVERT PLAN & ELEVATION	ST1-2
60	CULVERT TRANSVERSE SECTION	ST1-3
61	EXCAVATION PLAN	ST1-4
62	EXCAVATION SECTION	ST1-5
63	BEGIN GEOMETRY AND REINFORCEMENT PLANS & SECTION	ST1-6
64	END GEOMETRY AND REINFORCEMENT PLANS & SECTION	ST1-7
65	RAILING LAYOUT AND HEADWALL DETAILS	ST1-8
66	BAR LIST	ST1-9

GENERAL NOTES:

RECORD PLANS FOR THIS STRUCTURE ARE NOT AVAILABLE.
 SHOP DRAWING SUBMITTALS ARE REQUIRED FOR THE FOLLOWING BRIDGE RAILING AND/OR TRANSITION BRIDGE ITEMS.
 ITEM 568.70 - TRANSITION BRIDGE RAILING

HYDRAULIC NOTES:

THE COST OF DEWATERING THE ENTIRE EXCAVATION, REGARDLESS OF THE SOURCE OF WATER SHALL BE INCLUDED IN THE UNIT PRICE BID FOR COFFERDAM ITEMS).
 ORDINARY HIGH-WATER IS ESTIMATED TO BE 1033.0. ORDINARY HIGH-WATER IS DEFINED AS THE WATER SURFACE ELEVATION FOR THE MEAN ANNUAL FLOOD, WHICH IS THE FLOOD THAT HAS A RECURRENCE INTERVAL OF 2 YEARS.
 ORDINARY WATER IS ESTIMATED TO BE 1031.5. ORDINARY WATER IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (EXCLUDING 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 1031.0. LOW WATER IS DEFINED AS 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.
 THE 2 YEAR STORM EVENT HAS A FLOW OF 125 cfs.

PRECAST CONCRETE 3-SIDED UNIT NOTES:

THE CONTRACTOR SHALL PROVIDE LOAD RATINGS IN BOTH THE LOAD FACTOR RATING (LFR) METHOD AND THE LOAD AND RESISTANCE FACTOR RATING (LRF) METHOD. DESIGN LOADING SHALL BE HL-93, LOAD AND RESISTANCE FACTOR DESIGN STANDARDS WITH A MINIMUM LRF INVENTORY RATING OF 1.2.
 ACTUAL WALL AND TOP SLAB THICKNESS, REINFORCEMENT SIZE AND SPACING TO BE DETERMINED BY FABRICATOR'S ENGINEER. IF THE ACTUAL TOP SLAB THICKNESS IS DIFFERENT THAN THE 11" ASSUMED, THEN THE LOW BEAM SHALL BE HELD.
 THE LENGTH OF EACH STRUCTURE SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR.
 FOR MECHANICAL CONNECTORS IN TOP SLAB, SEE DWG. ST1-8 AND RL-2.
 THE 3-SIDED UNITS AT THE FASCIAS SHALL HAVE #5 THREADED INSERTS @ 1'-0" MAX. SPACING TO RECEIVE MECHANICAL CONNECTORS CENTERED FOR WINGWALL POUR REINFORCEMENT. A KEYWAY SHALL BE CONSTRUCTED OVER THE MIDDLE 2/3 HEIGHT OF THE LEG OF THE FASCIA UNITS. COST INCLUDED IN ITEM 562.0101.
 SEE DWG. ST1-8 FOR RAILING LAYOUT.
 ALL EXPOSED EDGES SHALL HAVE A CHAMFER OF 1".
 THE ENTIRE TOP SLAB OF THE BOX UNIT SHALL BE COVERED WITH SHEET APPLIED WATERPROOFING MEMBRANE. ON THE LEGS, STRIPS OF WATERPROOFING MEMBRANE SHALL BE PLACED OVER EACH OF THE JOINTS, INCLUDING THE JOINTS BETWEEN THE PRECAST CULVERT AND CIP WINGWALLS.
 THE FABRICATOR SHALL PROVIDE A POSITIVE CONNECTION BETWEEN THE SEGMENT WITH AN ATTACHED HEADWALL AND ITS ADJACENT SEGMENT. CONNECTION DESIGN SHALL BE BASED ON THE TL RAIL LOAD SHOWN ON THE PLANS AND PRODUCE LONGEVITY CONSISTENT WITH THE PROJECT.
 CONTRACTOR SHALL CUT WATERPROOFING MEMBRANE AND PLASTIC BACKING ON PREFABRICATED COMPOSITE STRUCTURAL DRAIN AT WEEP HOLE LOCATIONS.
 PRECAST 3-SIDED UNIT REINFORCEMENT COVER REQUIREMENTS:
 - TOP OF PRECAST 3-SIDED UNIT 2"
 - EXPOSED FACES OF PRECAST 3-SIDED UNIT 1 1/2"
 - ALL OTHER FACES OF PRECAST 3-SIDED UNIT 2"


FOUNDATION NOTES:

KEY BOTH FOOTINGS 6" INTO COMPETENT ROCK FOR SCOUR.
 AT EACH OF THE SUBSTRUCTURES SUPPORTED ON ROCK, AN ENGINEERING GEOLOGIST FROM THE GEOTECHNICAL ENGINEERING BUREAU WILL BE REQUIRED TO INSPECT THE ROCK TO DETERMINE IF IT IS COMPETENT TO SUPPORT THE SERVICE LIMIT STATE BEARING PRESSURES SHOWN ON THE CONTRACT PLANS.

SUBSTRUCTURE	STRENGTH LIMIT STATE BEARING PRESSURE (KIPS/FT2)	SERVICE LIMIT STATE BEARING PRESSURE (KIPS/FT2)
WINGWALLS AND STRIP FOOTINGS	44	30

ADHERE TO THE FOLLOWING PROCEDURES IF THE ROCK SURFACE AT A SUBSTRUCTURE IS NOT FOUND AT THE ELEVATION SHOWN ON THE CONTRACT PLANS:
 A. ROCK SURFACE WITHIN 2 FEET OF THE PROPOSED BOTTOM-OF-FOOTING ELEVATION
 - IF THE ROCK SURFACE IS HIGHER, REMOVE THE ROCK SO THAT THE MINIMUM FOOTING THICKNESS CAN BE PLACED.
 - IF THE ROCK SURFACE IS LOWER, PLACE ADDITIONAL FOOTING CONCRETE SO THAT THE TOP-OF-FOOTING ELEVATION CAN BE ACHIEVED.
 B. ROCK SURFACE MORE THAN 2 FEET FROM THE PROPOSED BOTTOM-OF-FOOTING ELEVATION
 - THE ENGINEER WILL NOTIFY THE DCES OF THIS CONDITION. THE DCES WILL DETERMINE IF: THE FOUNDATION FOR THE SUBSTRUCTURE HAS TO BE REDESIGNED, ADDITIONAL FOOTING CONCRETE HAS TO BE PLACED, OR ADDITIONAL ROCK HAS TO BE EXCAVATED.

UNLESS OTHERWISE SHOWN ON THE CONTRACT PLANS, REMOVE EXISTING SUBSTRUCTURES AS FOLLOWS:
 1. COMPLETELY REMOVE THE PORTION OF THE EXISTING SUBSTRUCTURE WITHIN A LATERAL LIMIT OF 3 FEET OF THE NEW SUBSTRUCTURE.
 2. REMOVE THE PORTION OF THE EXISTING SUBSTRUCTURE THAT IS OUTSIDE OF THIS LATERAL LIMIT AS FOLLOWS:
 A. EXISTING SUBSTRUCTURE LOCATED UNDER ROADWAY - REMOVE TO 2.0 FEET BELOW SUBGRADE SURFACE.
 B. EXISTING SUBSTRUCTURE LOCATED UNDER APPROACH EMBANKMENT END SLOPE - REMOVE TO ELEVATION WHERE IT INTERSECTS THE BOTTOM OF THE STONE FILLING.
 C. EXISTING SUBSTRUCTURE AT ALL OTHER LOCATIONS - REMOVE TO 1.0 FOOT BELOW FINISHED GRADE.

AFFIX SEAL: ON: 

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LCL12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK					D265331	
	SH 506					SITE 1	
	TOWN OF SULLIVAN						
COUNTY: MADISON	REGION: 2	NOTES & INDEX		SHEET NO. 58			

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



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DESIGN SUPERVISOR: M. SCHOOLEY
 JOB MANAGER: B. TREMBLAY
 DESIGN: D. KINSMAN
 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: M. FINCH

WINGWALL DATA			
LOCATION	ELEVATION A	ELEVATION B	ELEVATION C
WINGWALL 1	1039.05	1035.67	1030.57
WINGWALL 2	1039.57	1039.57	1031.41
WINGWALL 3	1039.05	1039.05	1030.57
WINGWALL 4	1039.13	1037.50	1031.41

FOR LOCATION OF ELEVATIONS A, B AND C, SEE DWG. ST1-3
 FOR WINGWALL GEOMETRY SEE DWG. ST1-6 AND ST1-7

THREE SIDED UNIT STRUCTURE DESIGN DATA	
CLEAR SPAN, FT.	12.0
CLEAR RISE, FT.	5.2
FRAME RISE, FT.	5.0
*MIN. FILL HEIGHT, FT.	1.96
*MAX. FILL HEIGHT, FT.	2.63
(CSKEW) SKEW ANGLE \perp TO \odot OF ROADWAY, DEG.	23°
LIVE LOAD	HL93 W/LRFR INV. FACTOR \geq 1.2
** RAILING/ BARRIER TEST LOAD	TL-4

ASSUMED UNFACTORED SPAN UNIT REACTIONS (MAX./MIN.)		
VERTICAL kip/ft.	DC	1.9/1.8
	DW	0.2/0.1
	EV	2.2/1.4
HORIZONTAL kip/ft.	LL	6.8/4.2
	DC	0.3/0.2
	DW	0.1/0.0
	LL	1.4/0.8
	LS	0.6/0.4
	EH	1.1/0.8
	EV	0.5/0.3

* BASED ON ASSUMED TOP SLAB THICKNESS OF 11". FABRICATOR SHALL ADJUST BASED ON ACTUAL TOP SLAB THICKNESS, MEASURED FROM THE TOP OF THE TOP SLAB TO THE TOP OF THE PAVEMENT.

** THE FABRICATOR SHALL PROVIDE A POSITIVE CONNECTION BETWEEN THE SEGMENT WITH AN ATTACHED HEADWALL AND ITS ADJACENT SEGMENT. CONNECTION DESIGN SHALL BE BASED ON THE TL RAIL LOAD SHOWN ON THE PLANS AND PRODUCE LONGEVITY CONSISTENT WITH THE PROJECT.

LOAD RATING (LFD)		
INVENTORY	HS	TONS
OPERATING	HS	TONS

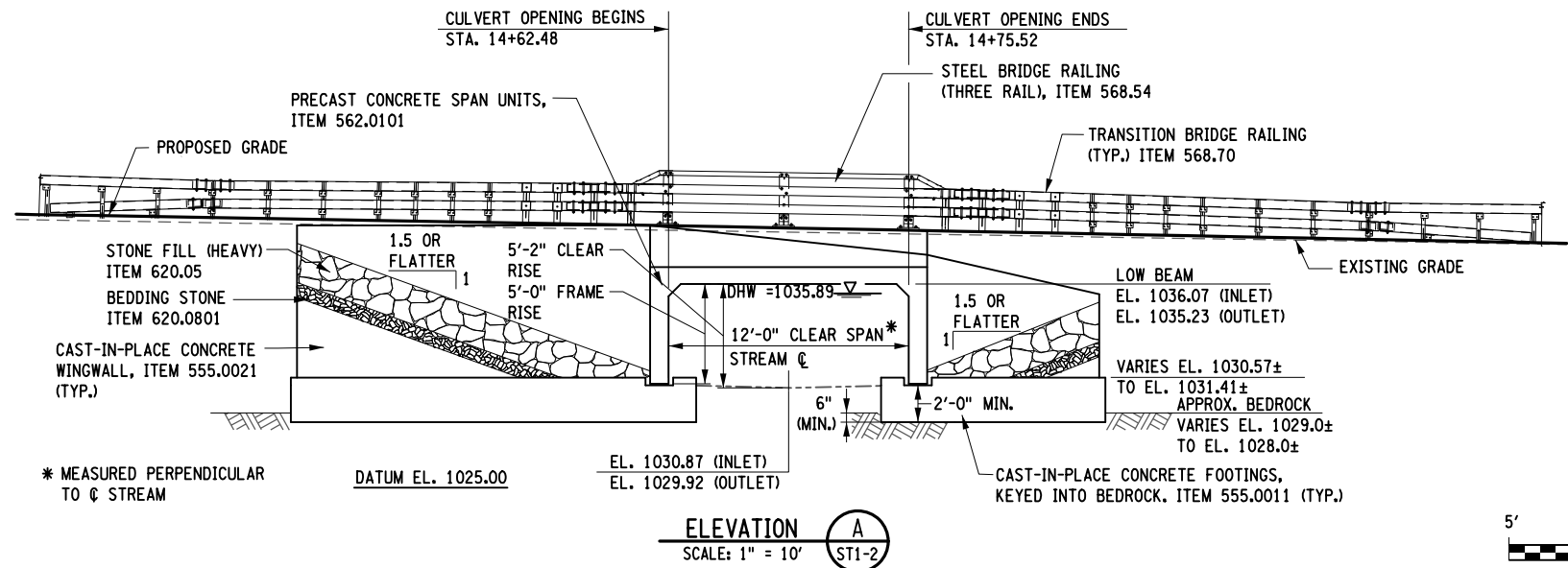
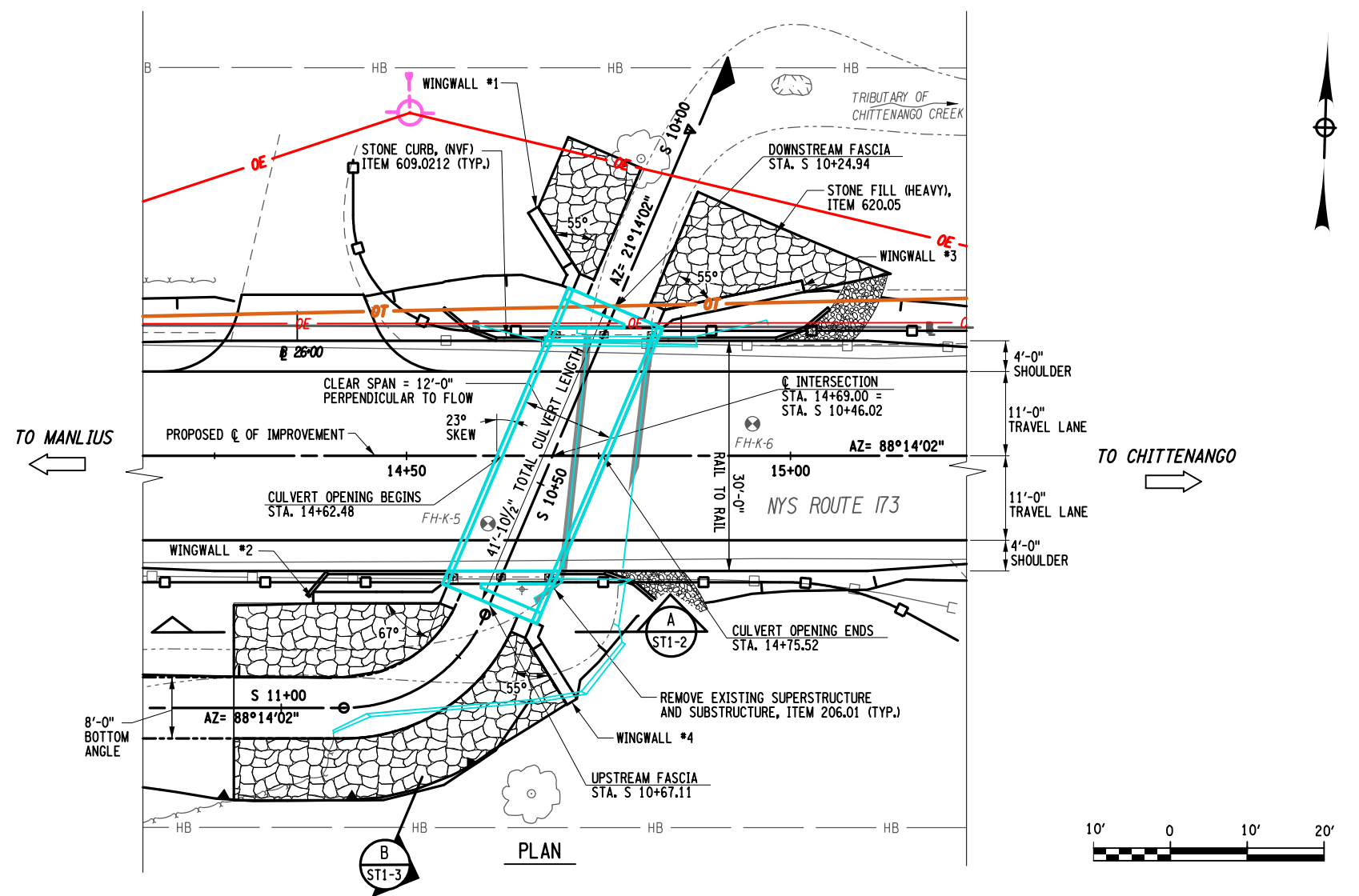
LRFR RATING FACTORS		
INVENTORY	HL-93	
OPERATING	HL-93	

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

NOTES:
 1. HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE. REFER TO SUBSECTION 107-09 OF THE STANDARD SPECIFICATIONS FOR CONTRACTORS SAFETY REQUIREMENTS.

DOES NOT INCLUDE SELF WEIGHT OF FOOTING

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 A NYS PROFESSIONAL ENGINEER AND SUBMITTED TO THE D.C.E.S. FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTING THE SUBSTRUCTURES. ANY ADDITIONAL COSTS ASSOCIATED WITH A REDESIGNED SUBSTRUCTURE SHALL BE AT THE CONTRACTORS EXPENSE.



AFFIX SEAL: ON: _____

ALTERED BY: ON: _____

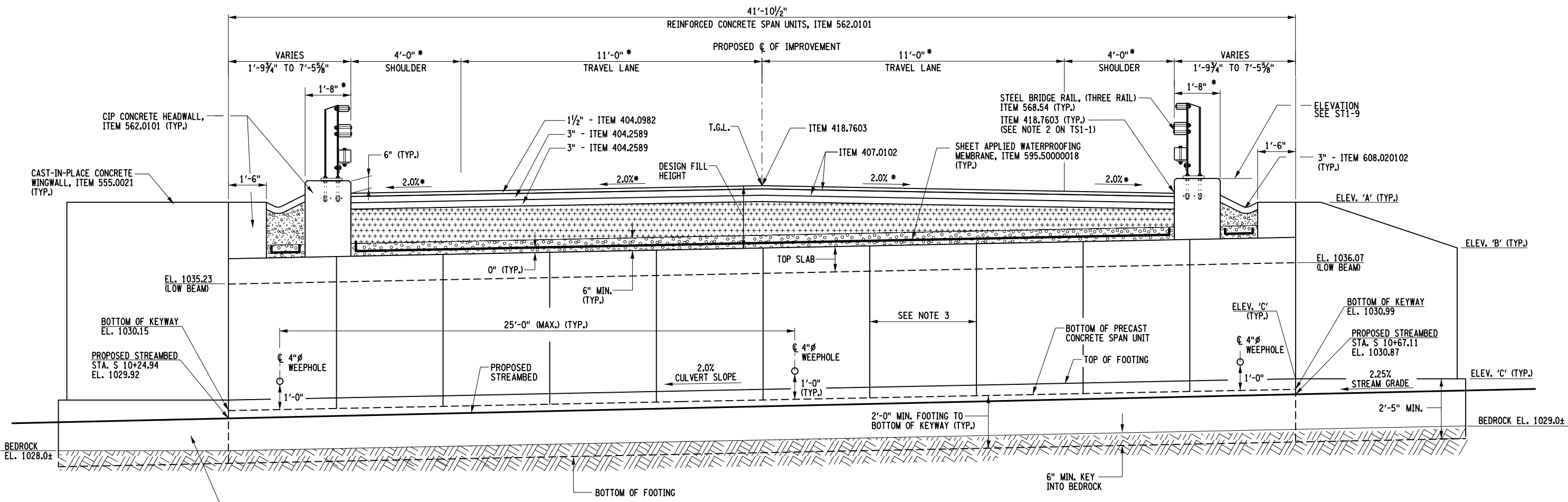
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK SH 506 TOWN OF SULLIVAN COUNTY: MADISON	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
					SITE 1 CULVERT PLAN & ELEVATION	DRAWING NO. ST1-2	
						SHEET NO. 59	

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NEW YORK STATE OF OPPORTUNITY
 Department of Transportation

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 I:\MicroStation\Bentley V8i\Workspace\ajstem\ptc\g\pdf\ptc\g

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



- LEGEND:**
- EMBANKMENT IN PLACE, ITEM 203.03
 - SUBBASE, TYPE 2, ITEM 304.12
 - CONCRETE SAND, MEETING THE REQUIREMENTS OF MATERIAL DESIGNATION 703-0, COST TO BE INCLUDED IN ITEM 595.50000018

- NOTES:**
1. *MEASURED PERPENDICULAR TO PROPOSED C OF IMPROVEMENT. ALL OTHER MEASUREMENTS ARE TAKEN ALONG THE C OF STREAM.
 2. FOR ELEVATION A, B, AND C, SEE WINGWALL DATA TABLE ON DWG. ST1-2.
 3. THE LENGTH OF EACH CULVERT SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR. IF STAGED CONSTRUCTION IS EMPLOYED, THE PRECAST 3-SIDED CULVERT SEGMENT LENGTH MUST BE COMPATIBLE WITH STAGING REQUIREMENTS.

AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

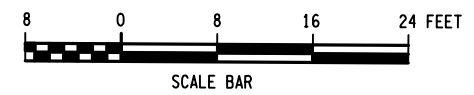
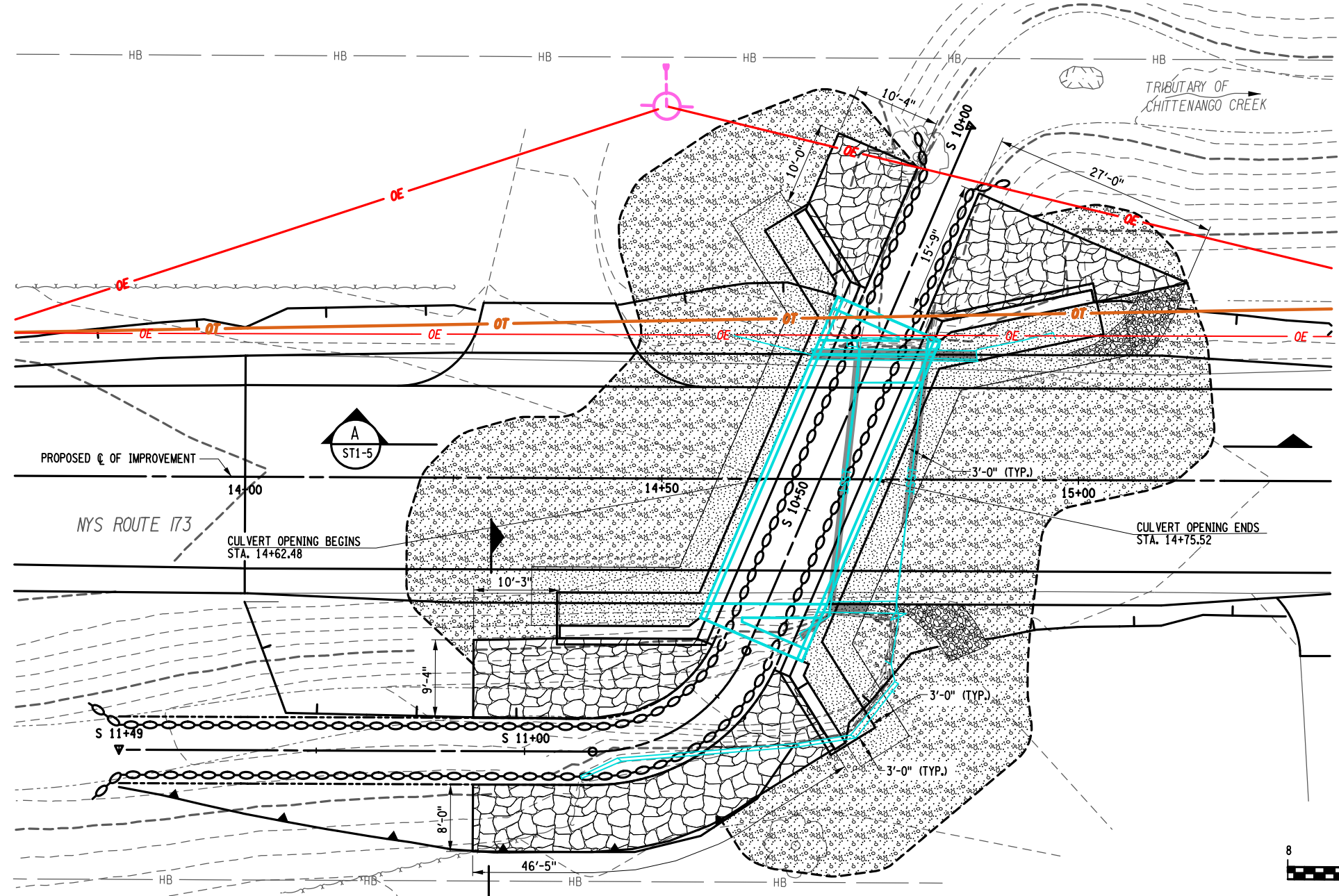
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	COUNTY: MADISON	REGION: 2					

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DESIGN SUPERVISOR: M. SCHOOLEY
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 CHECK: M. PATTERSON
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: G. WEHBE
 PROJECT MANAGER: M. FINCH



LEGEND	
	STONE FILL (HEAVY), ITEM 620.05
	REMOVAL OF SUBSTRUCTURES, ITEM 206.01
	SELECT GRANULAR FILL, ITEM 203.07
	EMBANKMENT IN PLACE, ITEM 203.03
	LIMITS OF STRUCTURE EXCAVATION, ITEM 206.01

EXCAVATION PLAN

NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE APPROPRIATE SEQUENCE FOR THE CULVERT REPLACEMENT WHILE MAINTAINING THE FLOW OF TRIBUTARY OF CHITTENANGO CREEK. DEWATERING OF THE SITE SHALL BE PERFORMED FOLLOWING THE REQUIREMENTS OF §553 OF THE NYS DOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE A DRY SITE, REGARDLESS OF THE SOURCE OF WATER, SUITABLE FOR INSTALLATION OF THE CONCRETE AND EARTHWORK ITEMS, COST TO BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
2. REFER TO DWG. ECP1-1 FOR EROSION CONTROL AND WATER CONTROL ITEMS.

AFFIX SEAL: ON: _____

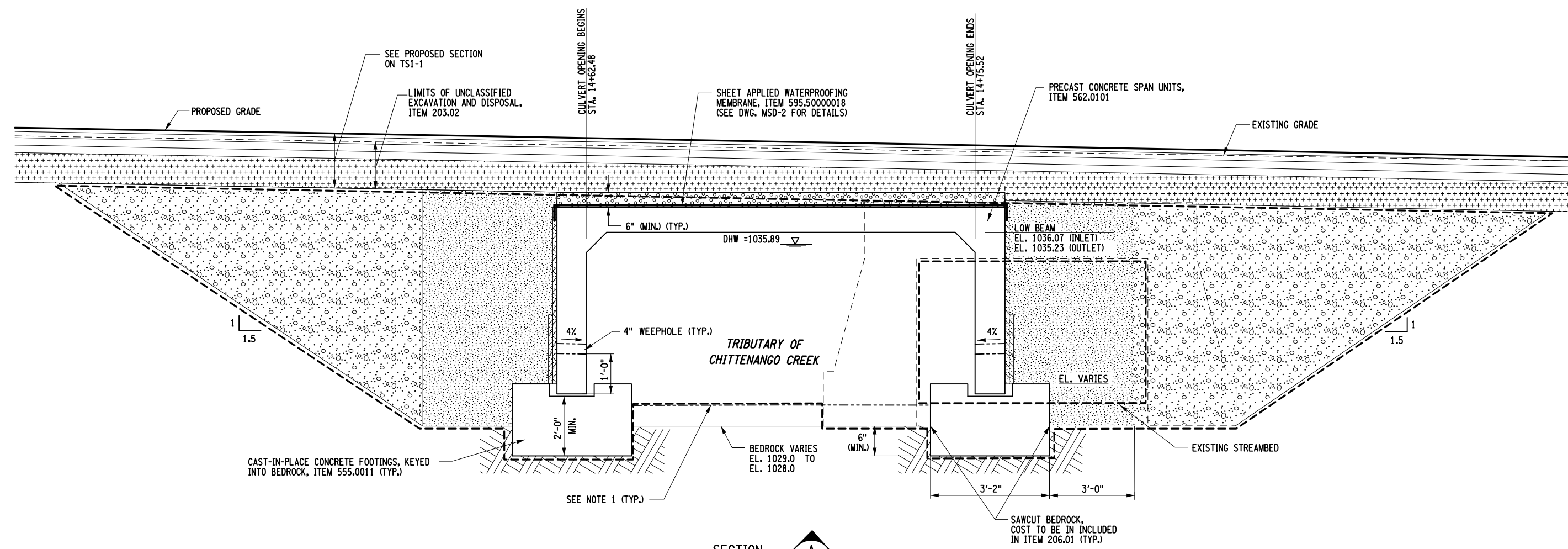
ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK SH 506 TOWN OF SULLIVAN COUNTY: MADISON	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
SITE 1 EXCAVATION PLAN					DRAWING NO. ST1-4 SHEET NO. 61		
<p>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.</p>							



FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 1 - C240072\2LC11.cpb.erw.sec.site.ldgn
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



DATUM EL. 1025.00

SECTION A
 SCALE: 3/16" = 1'-0" ST1-4

LEGEND

- SELECT GRANULAR FILL, ITEM 203.07
- EMBANKMENT IN PLACE, ITEM 203.03
- SUBBASE, TYPE 2, ITEM 304.12
- CONCRETE SAND, MEETING THE REQUIREMENTS OF MATERIAL DESIGNATION 703-0, COST TO BE INCLUDED IN ITEM 595.50000018
- STRUCTURE EXCAVATION, ITEM 206.01
- COMPOSITE STRUCTURAL DRAIN, ITEM, 207.26 (TYP.)

NOTES:

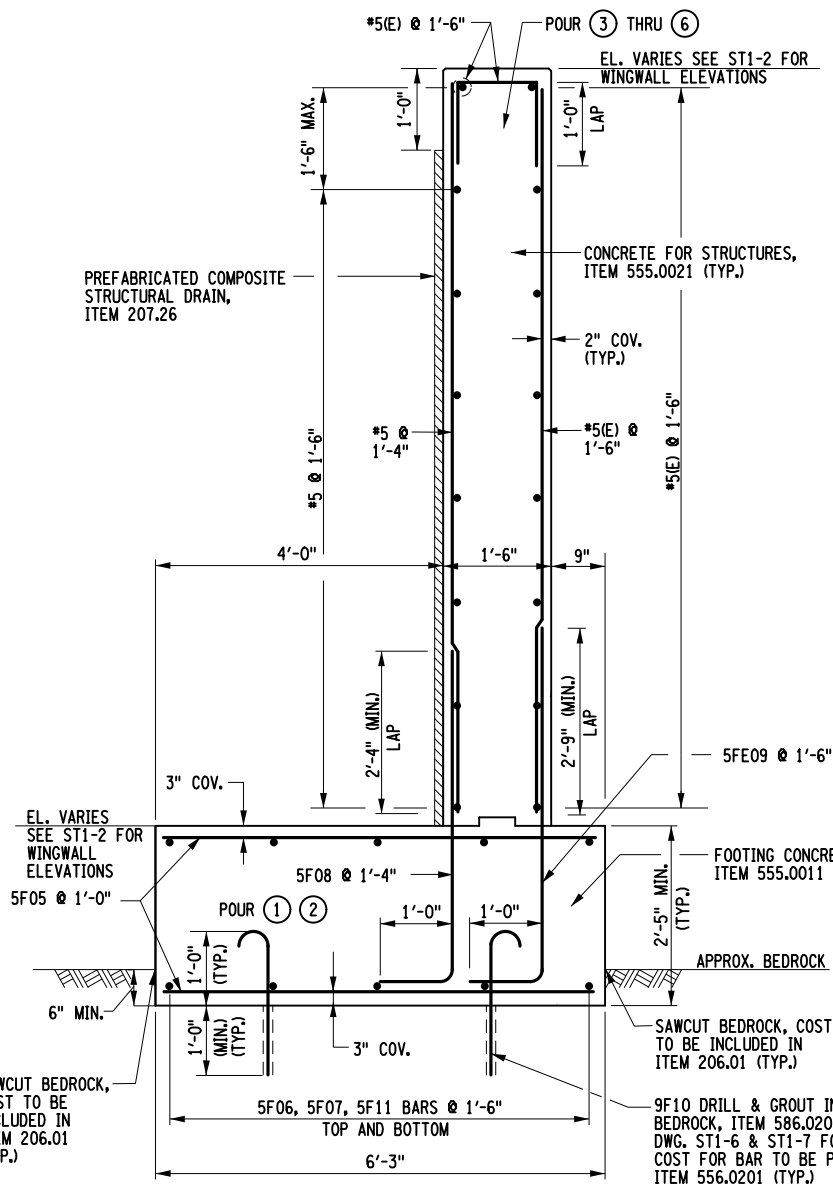
1. FOR TYPICAL STREAM CHANNEL SECTION (SECTION B), SEE DWG TS1-2.
2. EXISTING BEDROCK IS A WEATHERED LIMESTONE. BEDROCK EXCAVATION IS EXPECTED FOR THE FOOTING OF THE 3-SIDED UNIT. COST OF EXCAVATION OF BEDROCK SHALL BE INCLUDED IN ITEM 206.01.
3. REFER TO DWG. ST1-1 FOR FOUNDATION NOTES.

AFFIX SEAL:
ON:

ALTERED BY:
ON:

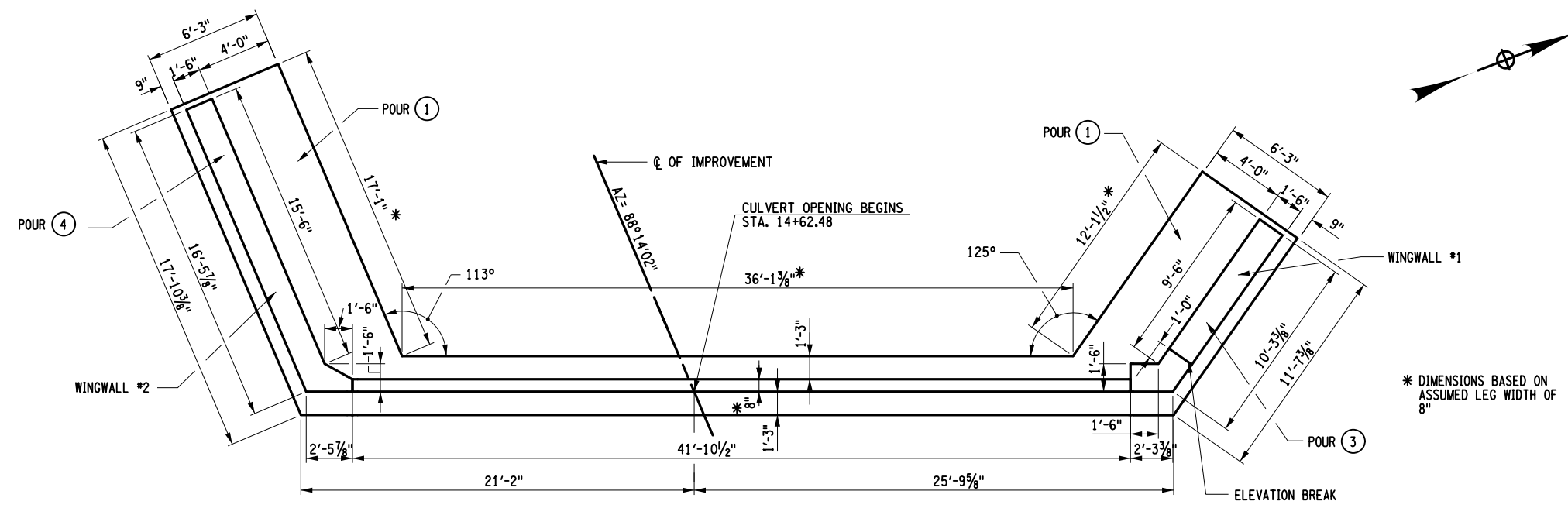
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK					D265331	
	SH 506				SITE 1	DRAWING NO.	ST1-5
	TOWN OF SULLIVAN				EXCAVATION SECTION	SHEET NO.	62
	COUNTY: MADISON	REGION: 2					

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.

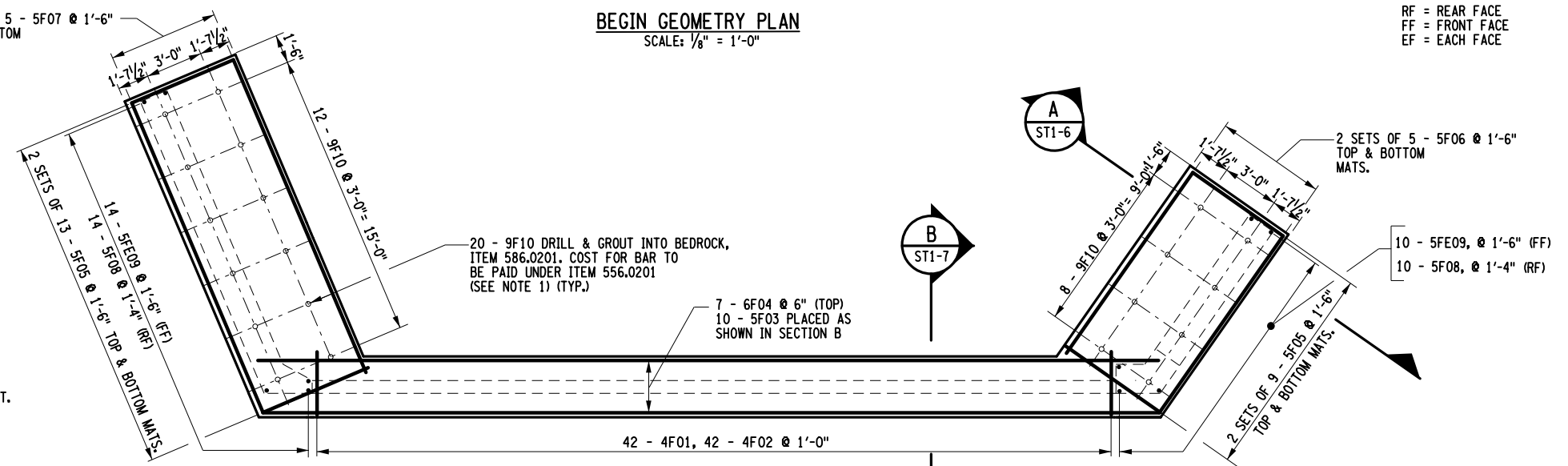


SECTION A
 SCALE: 3/8" = 1'-0"

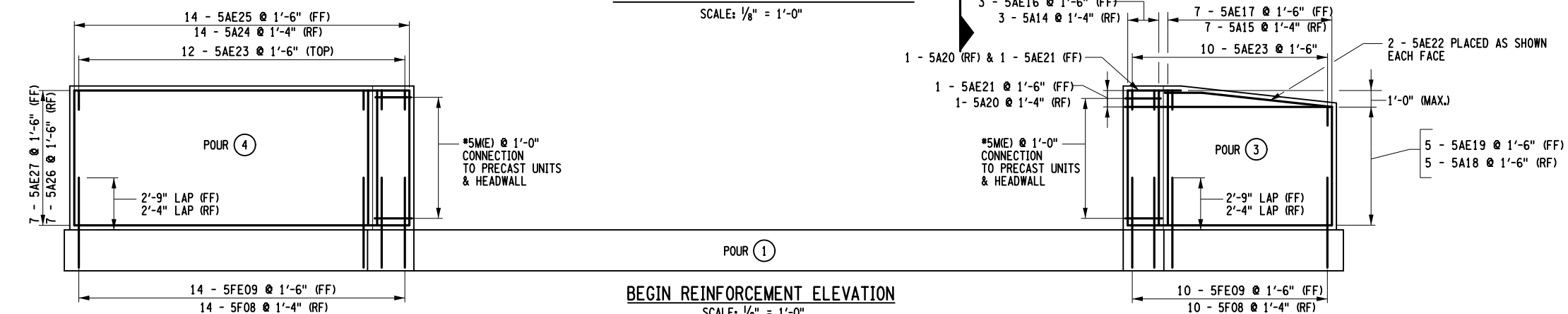
- NOTES:
- REINFORCEMENT IS A COMBINATION OF UNCOATED BAR REINFORCEMENT, ITEM 556.0201, AND EPOXY COATED BAR REINFORCEMENT, ITEM 556.0202.
 - SEE DWG. ST1-7 FOR CONCRETE QUANTITIES TABLE.
 - COVER TO ALL CONCRETE FACES SHALL BE 3" IN ALL FOOTINGS, AND 2" IN ALL WALLS, UNLESS OTHERWISE SPECIFIED.
 - COST OF MECHANICAL CONNECTORS FROM THE WINGWALLS TO THE PRECAST UNITS AND HEADWALLS SHALL BE INCLUDED UNDER ITEM 562.0101



BEGIN GEOMETRY PLAN
 SCALE: 1/8" = 1'-0"



BEGIN FOOTING REINFORCEMENT PLAN
 SCALE: 1/8" = 1'-0"



BEGIN REINFORCEMENT ELEVATION
 SCALE: 1/8" = 1'-0"

AFFIX SEAL ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK				SITE 1	DRAWING NO. ST1-6	
	SH 506	TOWN OF SULLIVAN	REGION: 2		BEGIN GEOMETRY AND REINFORCEMENT PLANS & SECTION	SHEET NO. 63	
	COUNTY: MADISON						

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.

NEW YORK STATE OF OPPORTUNITY
 Department of Transportation

NON-SHRINK GROUT PAID FOR UNDER REINFORCED CONCRETE SPAN UNIT ITEM.
 SHIM ON BACKFILL SIDE AS REQUIRED PAID FOR UNDER REINFORCED CONCRETE SPAN UNIT ITEM.
 (2) 5F03, 5F12 PLACED AS SHOWN
 EL. VARIES
 4F02 @ 1'-0"
 (1) 5F03, 5F12 PLACED AS SHOWN
 4F01 @ 1'-0"
 APPROX. BEDROCK
 6" MIN. KEY INTO BEDROCK

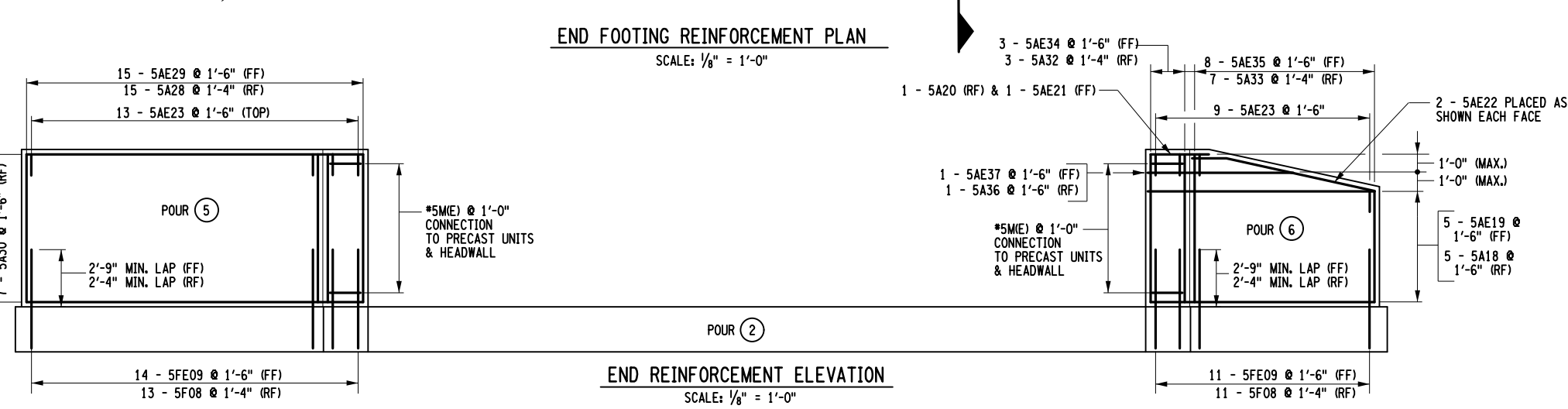
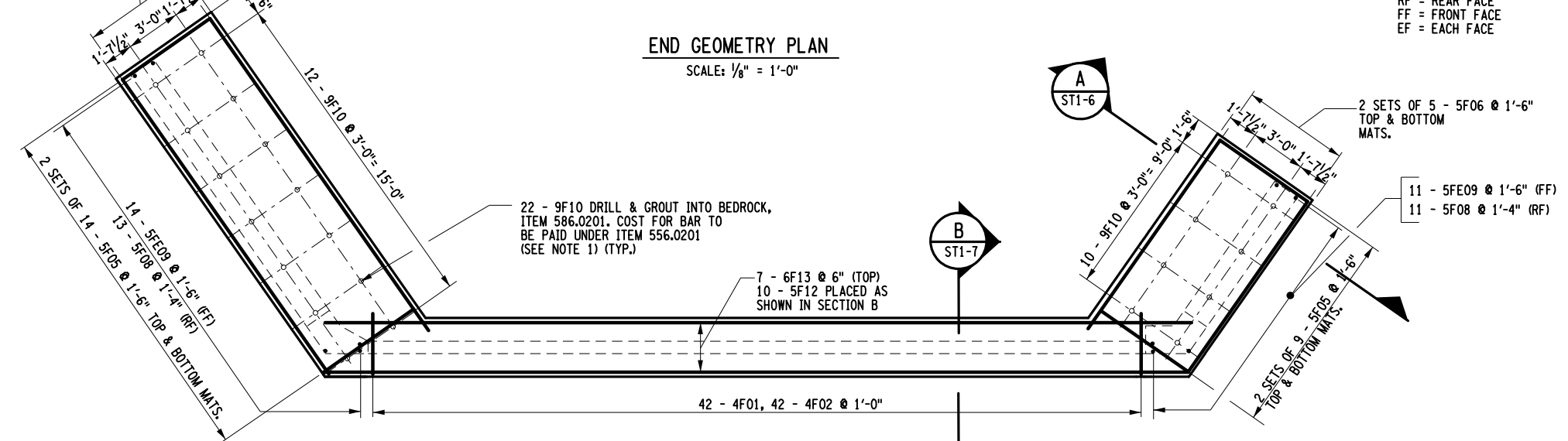
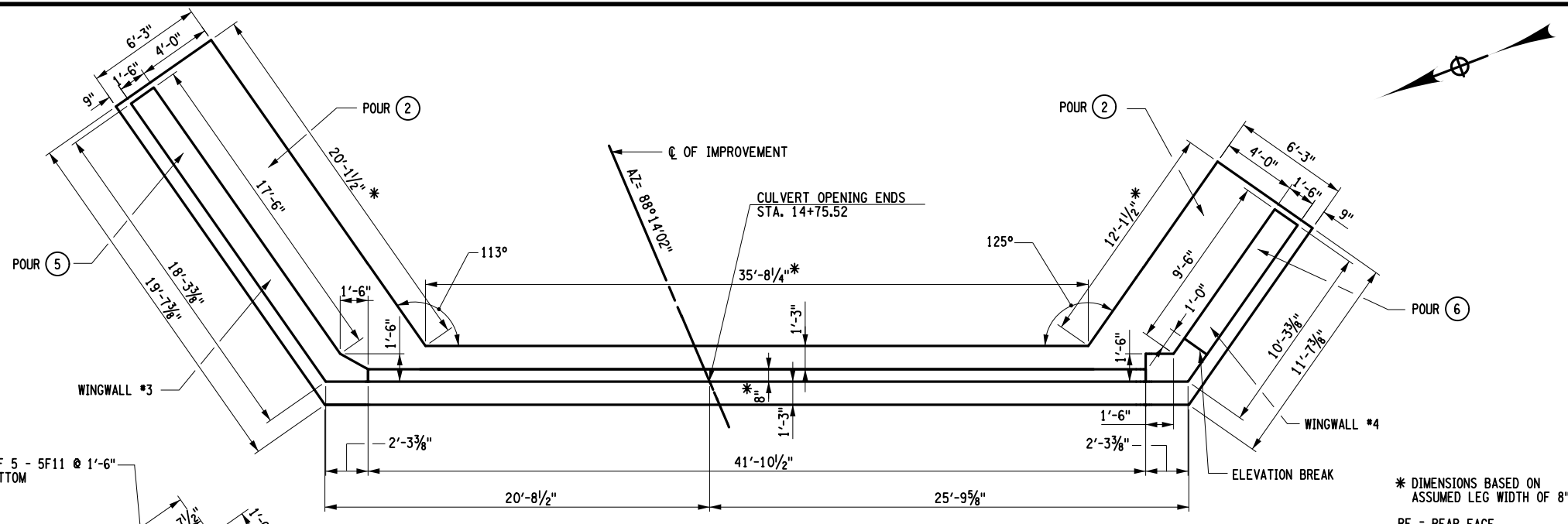
SPAN UNIT LEG
 1" SHIM PAID FOR UNDER REINFORCED CONCRETE SPAN UNIT ITEM.
 (2) 5F03, 5F12 PLACED AS SHOWN
 1" CHAMFER (TYP.)
 (1) 5F03, 5F12 PLACED AS SHOWN
 2'-0" MIN.
 FOOTING CONCRETE, ITEM 555.0011 & 556.0201 (TYP.)

SECTION B
 SCALE: 3/8" = 1'-0"
 ST1-x

CONCRETE QUANTITIES				
POUR	ITEM 555.0011 (CY)	ITEM 555.0021 (CY)	ITEM 556.0201 (LB)	ITEM 556.0202 (LB)
①	34.9	N/A	1980	144
②	36.5	N/A	2006	144
③	N/A	4.8	132	195
④	N/A	7.9	245	257
⑤	N/A	9.1	258	504
⑥	N/A	4.7	135	199
TOTAL	71.4	26.5	4756	1273

- NOTES:
- REINFORCEMENT IS A COMBINATION OF UNCOATED BAR REINFORCEMENT, ITEM 556.0201, AND EPOXY COATED BAR REINFORCEMENT, ITEM 556.0202.
 - COVER TO ALL CONCRETE FACES SHALL BE 3" IN ALL FOOTINGS, AND 2" IN ALL WALLS, UNLESS OTHERWISE SPECIFIED.
 - COST OF MECHANICAL CONNECTORS FROM THE WINGWALLS TO THE PRECAST UNITS AND HEADWALLS SHALL BE INCLUDED UNDER ITEM 562.0101

AFFIX SEAL: ON: ALTERED BY: ON:



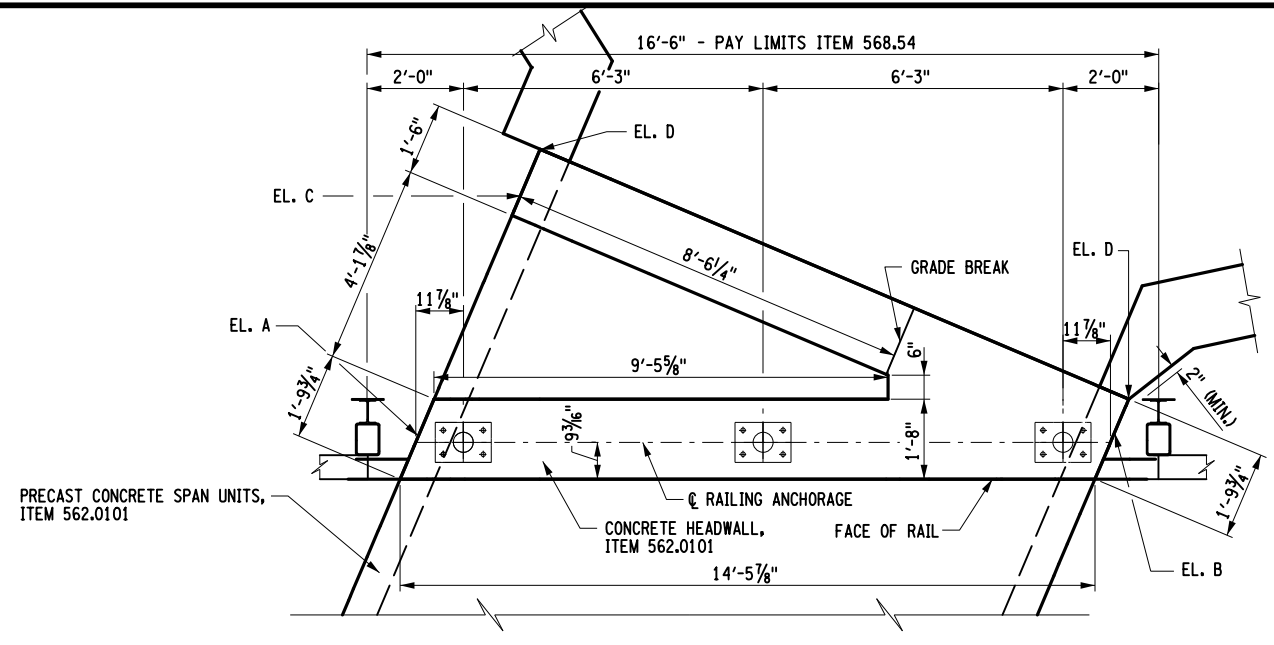
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK SH 506 TOWN OF SULLIVAN COUNTY: MADISON	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	
SITE 1 END GEOMETRY AND REINFORCEMENT PLANS & SECTION					DRAWING NO. ST1-7 SHEET NO. 64		

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.

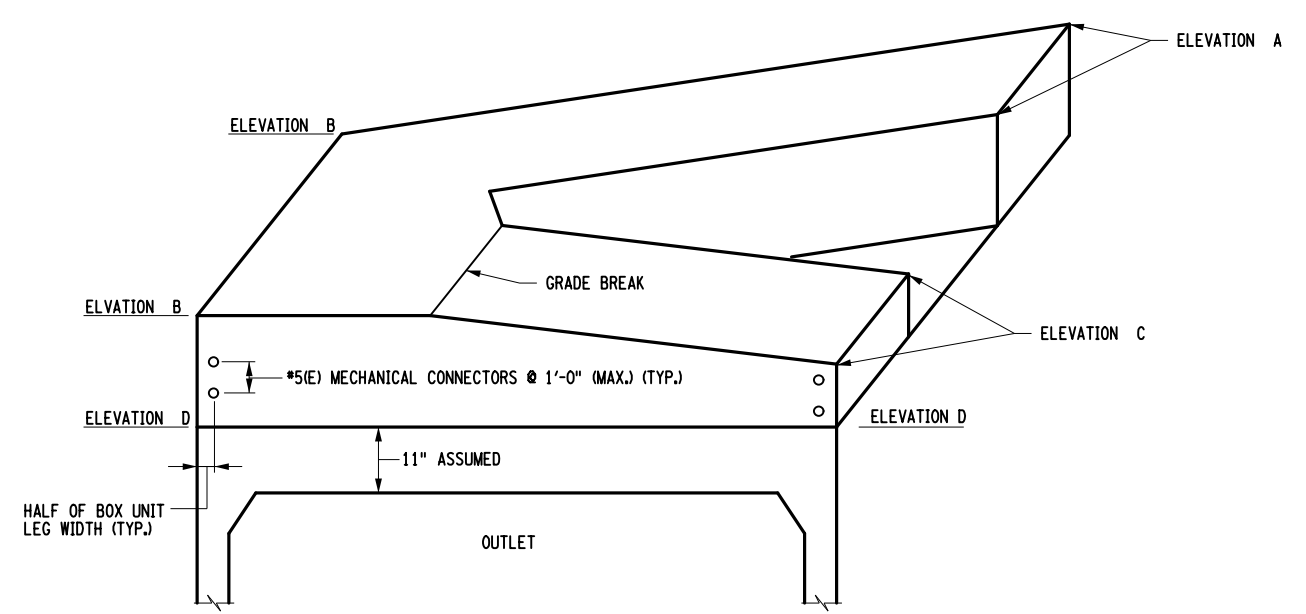
NEW YORK STATE OF OPPORTUNITY
 Department of Transportation

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 1 - C240072\2LC11.cpb.rlg.site 1.dgn
 DATE = 7/24/2024
 TIME = 1:53:49 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH

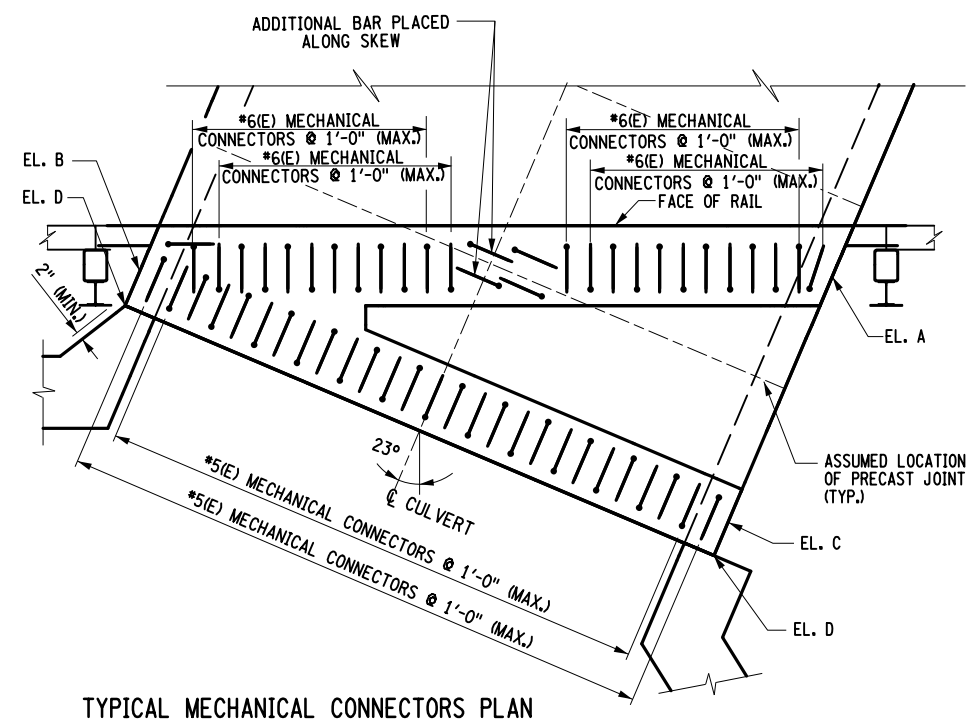


TYPICAL RAILING ANCHORAGE PLAN
 (LEFT SHOWN, RIGHT SIMILAR)
 SCALE: 1/4" = 1'-0"



LEFT HEADWALL ELEVATION
 (LEFT SHOWN, RIGHT SIMILAR)
 NOT TO SCALE

HEADWALL DATA				
LOCATION	ELEVATION A	ELEVATION B	ELEVATION C	ELEVATION D
LT. HEADWALL	1039.32	1039.05	1039.05	1036.15
RT. HEADWALL	1039.30	1039.57	1039.13	1036.99



TYPICAL MECHANICAL CONNECTORS PLAN
 (RIGHT SHOWN, LEFT SIMILAR)
 SCALE: 1/4" = 1'-0"

NOTES:

- HEADWALL DIMENSIONS AND RAILING SPACING ARE BASED ON ASSUMED LEG THICKNESS OF 8". IF LEG DIMENSION DIFFERS, DIMENSIONS WILL NEED TO BE ADJUSTED ACCORDINGLY.
- ALL HEADWALL REINFORCEMENT SHALL BE EPOXY COATED, ITEM 556.0202.
- THE COST OF HEADWALLS AND REINFORCEMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 562.0101
- COVER TO ALL EXPOSED FACES SHALL BE 2" UNLESS OTHERWISE SPECIFIED.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK					SITE 1 RAILING LAYOUT AND HEADWALL DETAILS	
		SH 506					
		TOWN OF SULLIVAN					
		COUNTY: MADISON	REGION: 2				
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						Department of Transportation	

POUR 1 - WEST FOOTING																	
MARK	QTY.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	J	K	L	O	R
4F01	42	90.0	S6	210.4	6.0	23.0	32.0	23.0			6.0						
4F02	42	32.0	N1	74.8												32.0	
5F03	10	559.75	N1	486.5												559.75	
6F04	7	559.75	N1	490.4												559.75	
5F05	44	69.0	N1	263.9												69.0	
5F06	10	134.8	N1	117.1												134.75	
5F07	10	209.50	N1	182.1												209.5	
5F08	24	73.0	2	152.3	12.0	61.0					0.0						
5FE09	24	78.0	2	162.7	12.0	66.0					0.0						
9F10	20	39.00	1	221.0	15.0	24.0							11.75				
SUBTOTAL BLACK BARS (LB) =					2199												
SUBTOTAL EPOXY BARS (LB) =					163												

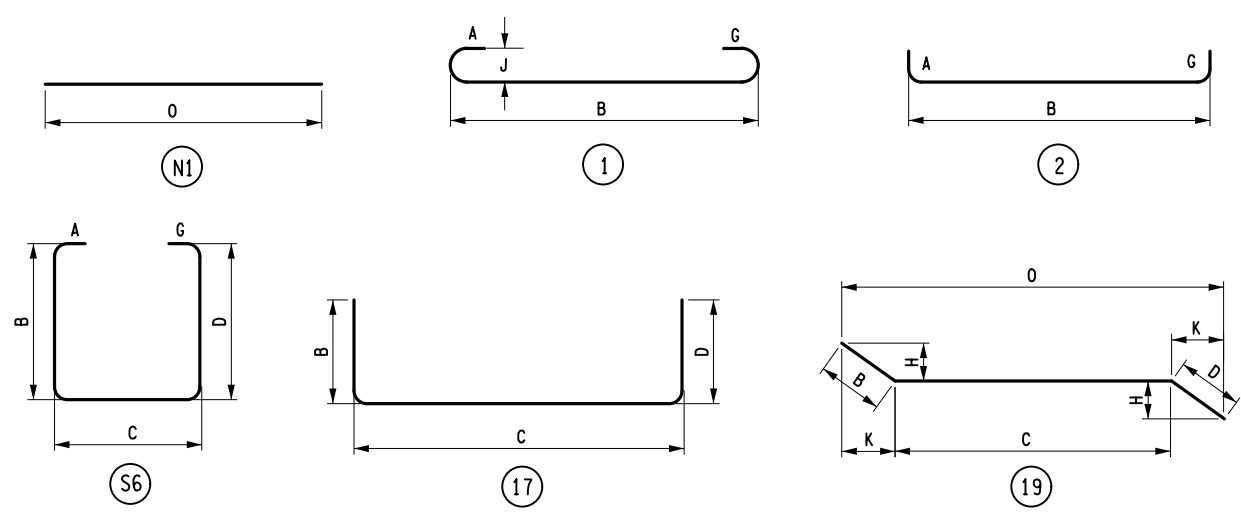
POUR 2 - EAST FOOTING																	
MARK	QTY.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	J	K	L	O	R
4F01	42	90.0	S6	210.4	6.0	23.0	32.0	23.0			6.0						
4F02	42	32.0	N1	74.8												32.0	
5F05	46	69.0	N1	275.9												69.0	
5F06	10	134.8	N1	117.1												134.75	
5F08	24	73.0	2	152.3	12.0	61.0					0.0						
5FE09	25	78.0	2	169.5	12.0	66.0					0.0						
9F10	22	39.00	1	243.1	15.0	24.0							11.75				
5F11	10	230.8	N1	200.6												230.75	
5F12	10	559.8	N1	486.5												559.75	
6F13	7	559.8	N1	490.4												559.75	
SUBTOTAL BLACK BARS (LB) =					2252												
SUBTOTAL EPOXY BARS (LB) =					170												

POUR 3 - NORTHWEST WINGWALL (WINGWALL #1)																	
MARK	QTY.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	J	K	L	O	R
5A14	3	99.8	N1	26.0												99.75	
5A15	7	77.5	N1	47.2												77.50	
5AE16	3	99.8	N1	26.0												99.75	
5AE17	7	77.5	N1	47.2												77.5	
5A18	5	129.0	19	56.1		17.0	112.0	0.0				14.0		9.75			
5AE19	5	144.25	19	62.7		24.25	120.0	0.0				20.0		14.0			
5A20	1	27.0	19	2.3		17.0	10.0	0.0				14.0		9.75			
5AE21	1	41.5	19	3.6		24.25	17.25	0.0				14.0		14.0			
5AE22	2	102.0	N1	17.7												100.0	
5AE23	10	38.0	17	33.0		12.0	14.0	12.0									
SUBTOTAL BLACK BARS (LB) =					132												
SUBTOTAL EPOXY BARS (LB) =					191												

POUR 4 - SOUTHWEST WINGWALL (WINGWALL #2)																	
MARK	QTY.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	J	K	L	O	R
5AE23	12	38.0	17	39.6		12.0	14.0	12.0									
5A24	14	96.0	N1	118.9												96	
5AE25	14	96.0	N1	116.8												96	
5A26	7	205.0	19	124.7		20.5	184.5	0.0				12.0		16.25			
5AE27	7	221.3	19	134.6		26.8	194.5	0.0				25		10.5			
SUBTOTAL BLACK BARS (LB) =					244												
SUBTOTAL EPOXY BARS (LB) =					292												

POUR 5 - NORTHEAST WINGWALL (WINGWALL #3)																	
MARK	QTY.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	J	K	L	O	R
5AE23	13	38.0	17	42.9		12.0	14.0	12.0									
5A28	15	99.8	N1	130.0												99.75	
5AE29	15	99.8	N1	130.0												99.75	
5A30	7	227.8	19	138.6		19.8	208.0	0.0				9.00		18.0			
5AE31	7	240.9	19	146.6		23.5	217.4	0.0				20.0		14.0			
SUBTOTAL BLACK BARS (LB) =					269												
SUBTOTAL EPOXY BARS (LB) =					320												

POUR 6 - SOUTHEAST WINGWALL (WINGWALL #4)																	
MARK	QTY.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	J	K	L	O	R
5A18	5	129	19	56.1		17.0	112.0	0.0				14.0		9.75			
5AE19	5	144.25	19	62.7		24.25	120.00	0.0				20.0		14.00			
5A20	1	27.0	19	2.3		17.0	10.0	0.0				14.0		9.75			
5AE21	1	41.5	19	3.6		24.25	17.25	0.0				20.0		14.0			
5AE22	2	102.0	N1	17.7												100.0	
5AE23	9	38.0	17	29.7		12.0	14.0	12.0									
5A32	3	90.75	N1	23.7												90.75	
5A33	7	79	N1	48.0												79	
5AE34	3	90.75	N1	23.7												90.75	
5AE35	8	79	N1	54.8												79	
5A36	1	69.0	19	6.0		17.00	52.0	0.0				14.0		9.75			
5AE37	1	84.3	19	7.3		24.25	60.00	0.0				20.0		14.00			
SUBTOTAL BLACK BARS (LB) =					137												
SUBTOTAL EPOXY BARS (LB) =					200												



AFFIX SEAL ON:

ALTERED BY: ON:

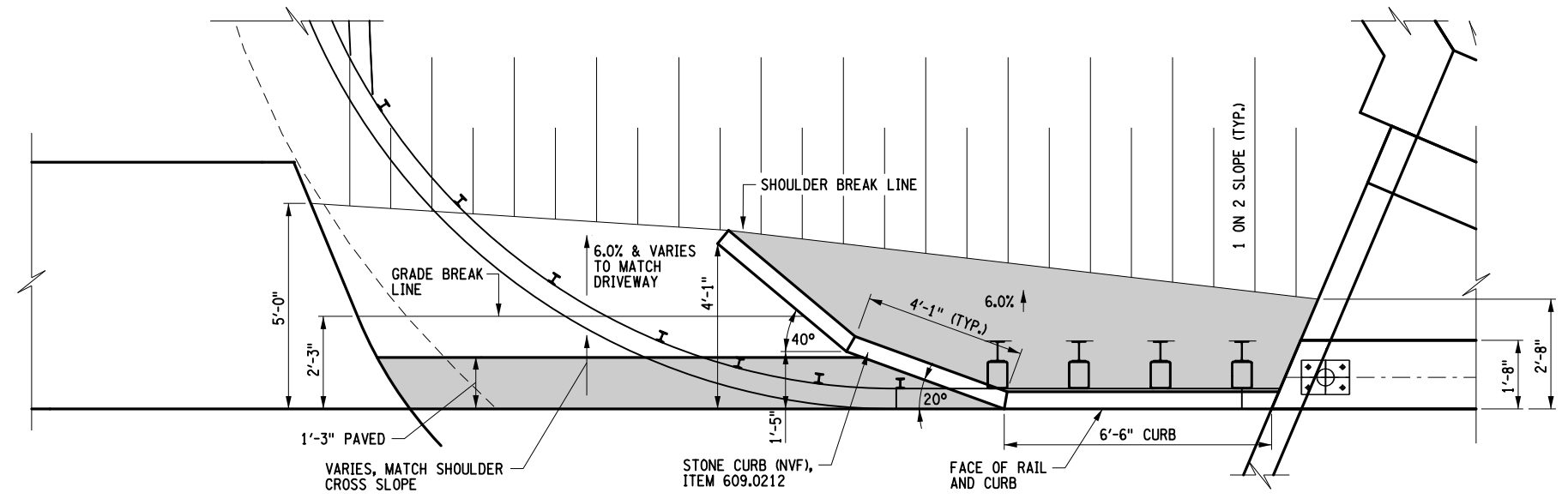
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK						
	SH 506				SITE 1 BAR LIST	DRAWING NO. ST1-9	
	TOWN OF SULLIVAN					SHEET NO. 66	
	COUNTY: MADISON	REGION: 2					

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NEW YORK STATE OF OPPORTUNITY Department of Transportation

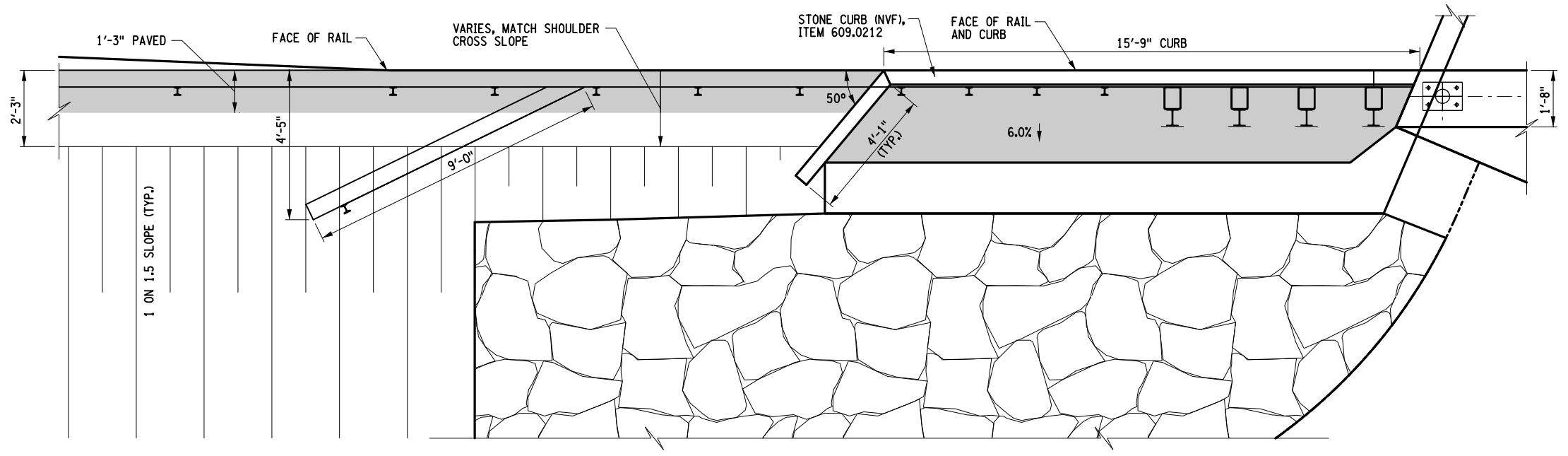
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 TIME = 1:43:51 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



LAYOUT OF DRAINAGE CURBING

NTS
 LOCATION: STA. 14+60.00 LT.




LAYOUT OF DRAINAGE CURBING

NTS
 LOCATION: STA. 14+40.00 RT.

LEGEND

PAVED AREA, REFER TO TYPICAL SECTIONS FOR DETAILS

AFFIX SEAL: ON: 

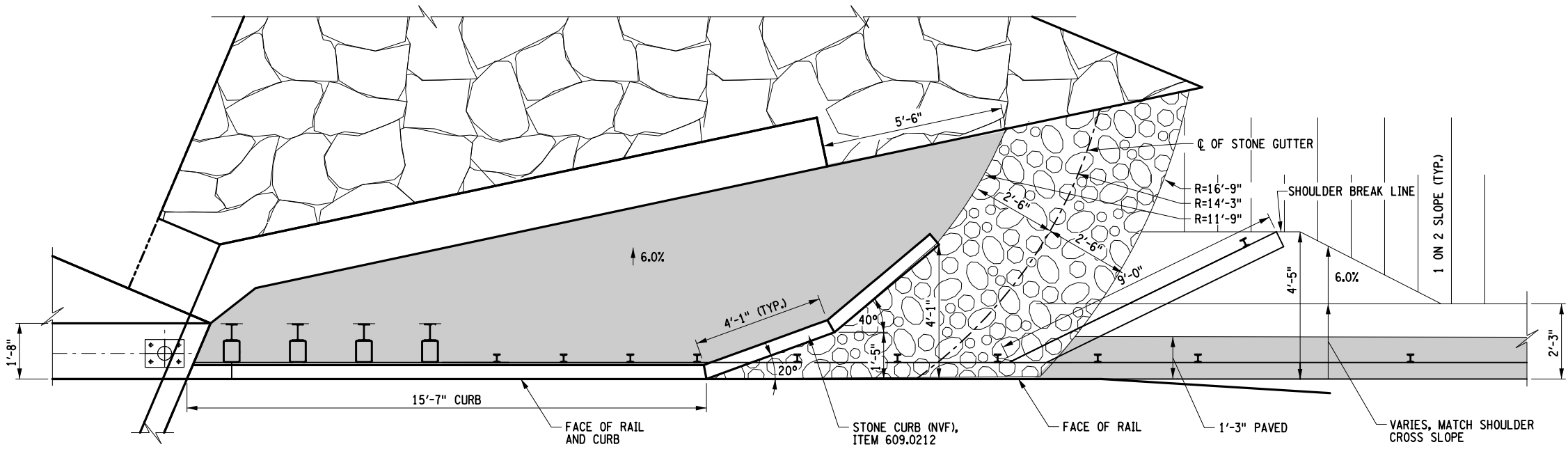
ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B &L
	ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK					SITE 1	
	SH 506				MISCELLANEOUS DETAILS	SHEET NO. 67	
	TOWN OF SULLIVAN						
	COUNTY: MADISON	REGION: 2					

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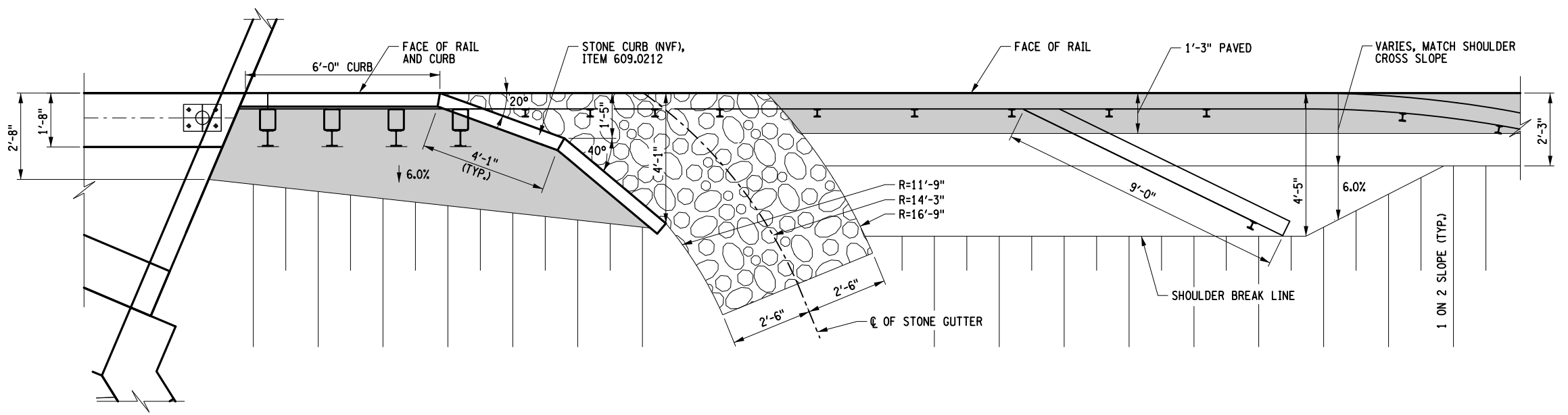
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



LAYOUT OF DRAINAGE CURBING AND STONE GUTTER

NTS
LOCATION: STA. 15+00.00 LT.



LAYOUT OF DRAINAGE CURBING AND STONE GUTTER

NTS
LOCATION: STA. 14+85.00 RT.

LEGEND

PAVED AREA, REFER TO TYPICAL SECTIONS FOR DETAILS

AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 173 OVER TRIBUTARY OF CHITTENANGO CREEK SH 506 TOWN OF SULLIVAN COUNTY: MADISON	PIN 2LC1.12	BRIDGES	CULVERTS C240072	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B &L
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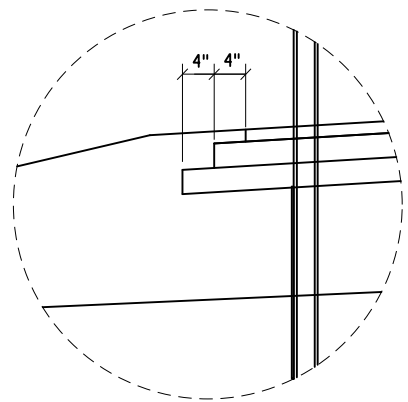
SITE 1	CONTRACT NUMBER D265331
MISCELLANEOUS DETAILS	DRAWING NO. MSD1-2 SHEET NO. 68

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

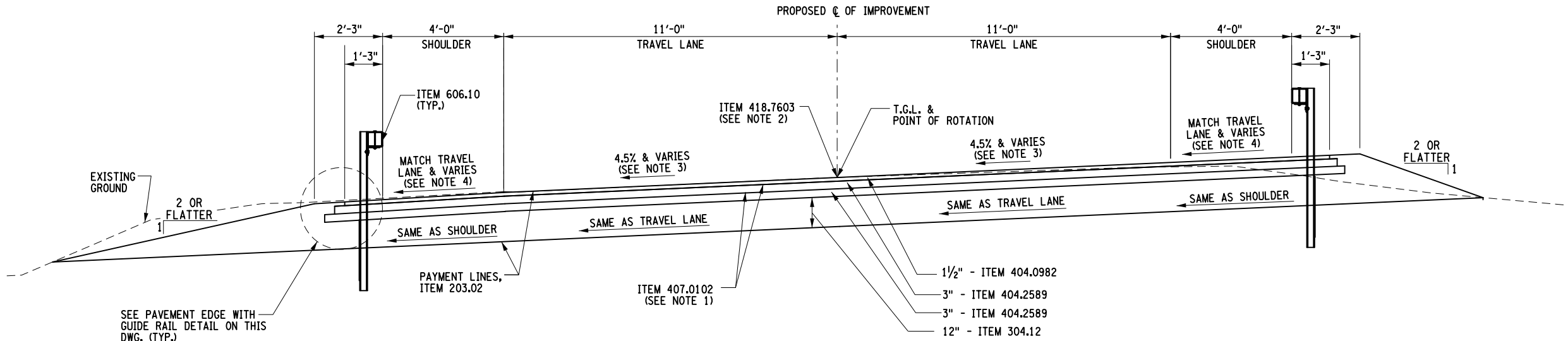


FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 3 - C240056\2LIC11_cph_twp_site_3.dgn
 DATE = 7/24/2014
 TIME = 1:43:53 PM

DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH

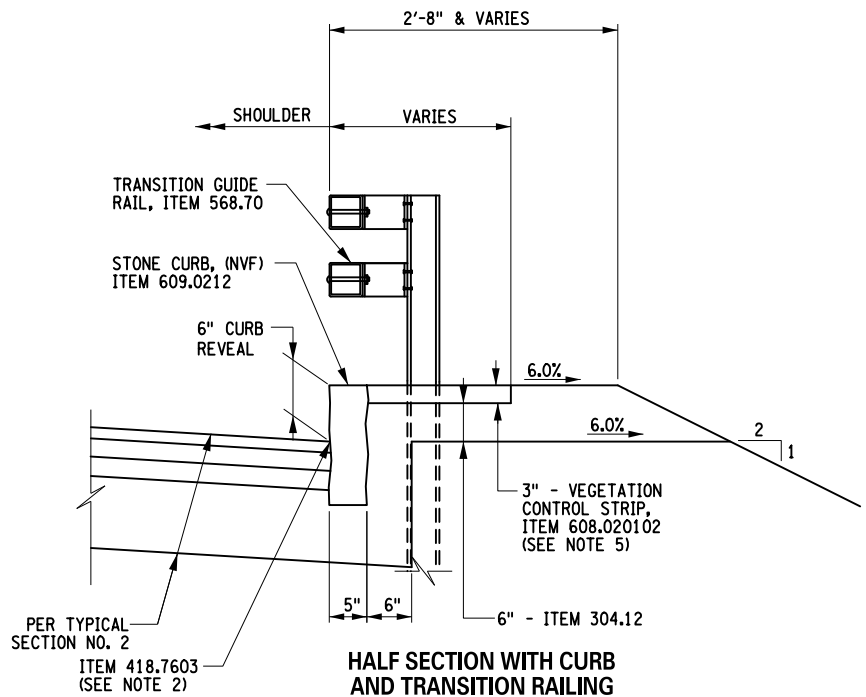


PAVEMENT EDGE WITH GUIDERAIL DETAIL



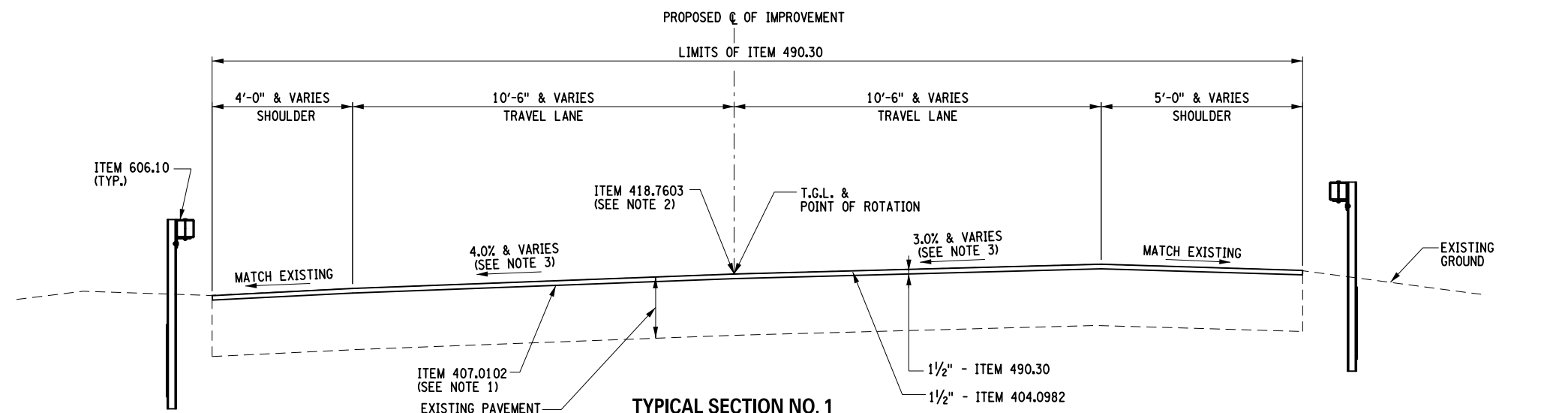
**TYPICAL SECTION NO. 2
 NYS ROUTE 80
 FULL DEPTH RECONSTRUCTION**

NOT TO SCALE
 LOCATION:
 STA. 13+50.00 TO STA. 15+25.00
 (REFER TO ST3-3 FOR PAVING OVER THE CULVERT)



HALF SECTION WITH CURB AND TRANSITION RAILING

NOT TO SCALE
 LOCATIONS:
 STA. 13+81.92 TO STA 14+01.26 LT.
 STA. 14+22.20 TO STA. 14+37.49 LT.
 STA. 14+11.82 TO STA. 14+26.22 RT.
 STA. 14+45.60 TO STA. 14+69.42 RT.



**TYPICAL SECTION NO. 1
 NYS ROUTE 80
 MILLING AND RESURFACING**

NOT TO SCALE
 LOCATION:
 STA. 13+25.00 TO STA. 13+50.00
 STA. 15+25.00 TO STA. 15+50.00

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS, BICYCLE PATHS, AND VEGETATION CONTROL STRIPS	TON
304.12	SUBBASE COURSE, TYPE 2	CY	609.0212	STONE CURB, NEAR VERTICAL FACE	LF
404.0982	9.5 F2 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON			
404.2589	25 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON			
407.0102	DILUTED TACK COAT	GAL			
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF			
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY			
568.70	TRANSITION BRIDGE RAILING	LF			
606.10	BOX BEAM GUIDE RAILING	LF			

- NOTES:**
- TACK COAT SHALL BE APPLIED BETWEEN ALL LIFTS OF ASPHALT.
 - ITEM 418.7603 SHALL BE APPLIED ON ALL VERTICAL FACES FOR ALL JOINTS AND AT FACE OF CURB ON THE TOP COURSE ONLY.
 - REFER TO SUPERELEVATION DIAGRAM ON DWG. PR3-1.
 - SHOULDER CROSS SLOPES SHALL MATCH TRAVEL LANE CROSS SLOPES. USE 50' AT BEGINNING AND END OF PROJECT TO TRANSITION SHOULDER CROSS SLOPES TO MATCH EXISTING.
 - PAYMENT FOR VEGETATION CONTROL STRIP SHALL BE MADE UNDER ITEM 608.020102 IN AREAS BEHIND CURB ONLY.

AFFIX SEAL:
 ON:

ALTERED BY:
 ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT	PIN 2LC1.12
ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK	BRIDGES
SH 8347	CULVERTS C240056
TOWN OF GEORGETOWN	
COUNTY: MADISON	REGION: 2

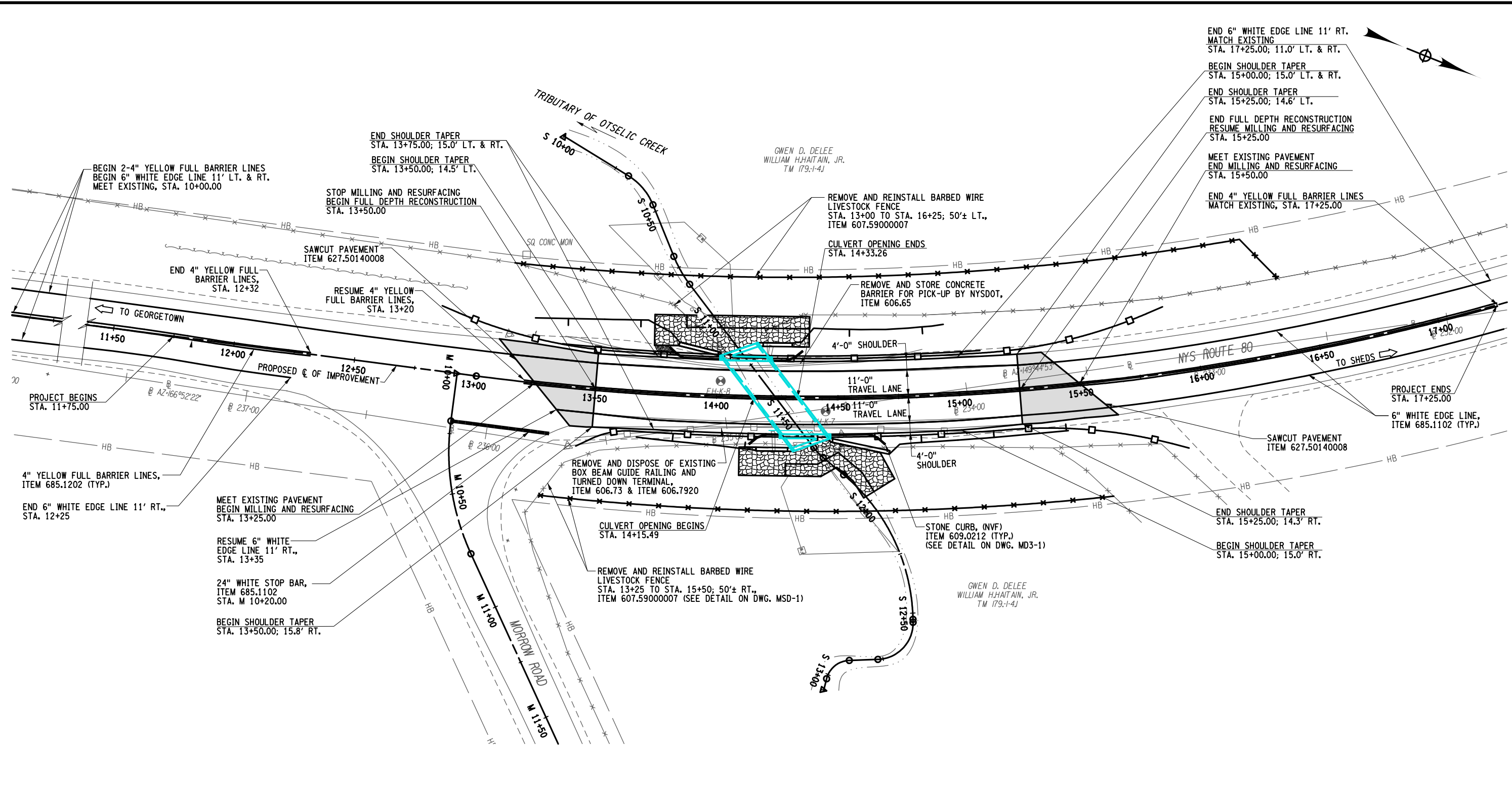
ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331
SITE 3 TYPICAL SECTIONS	DRAWING NO. TS3-1 SHEET NO. 69

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



FILE NAME = I:\Projects\2008\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract\1\Site 3 - C240056\2\CL11.cph-grp-site 3.dgn
 DATE = 7/24/08
 TIME = 1:43:53 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



NOTES:

1. REFER TO DWG. EC3-1 FOR EROSION CONTROL MEASURES.
2. REFER TO DWG. HC3-1 FOR HORIZONTAL ALIGNMENT CONTROL AND DWG. SC3-1 FOR SURVEY INFORMATION, BENCHMARKS AND BASELINE TIES.
3. REFER TO DWG. GR3-1 FOR SIGNING AND GUIDE RAIL LAYOUT INFORMATION.

LEGEND:

■ MILLING & RESURFACING, REFER TO TYPICAL SECTION NO. 1 ON DWG. TS3-1

AFFIX SEAL: ON:

ALTERED BY: ON:

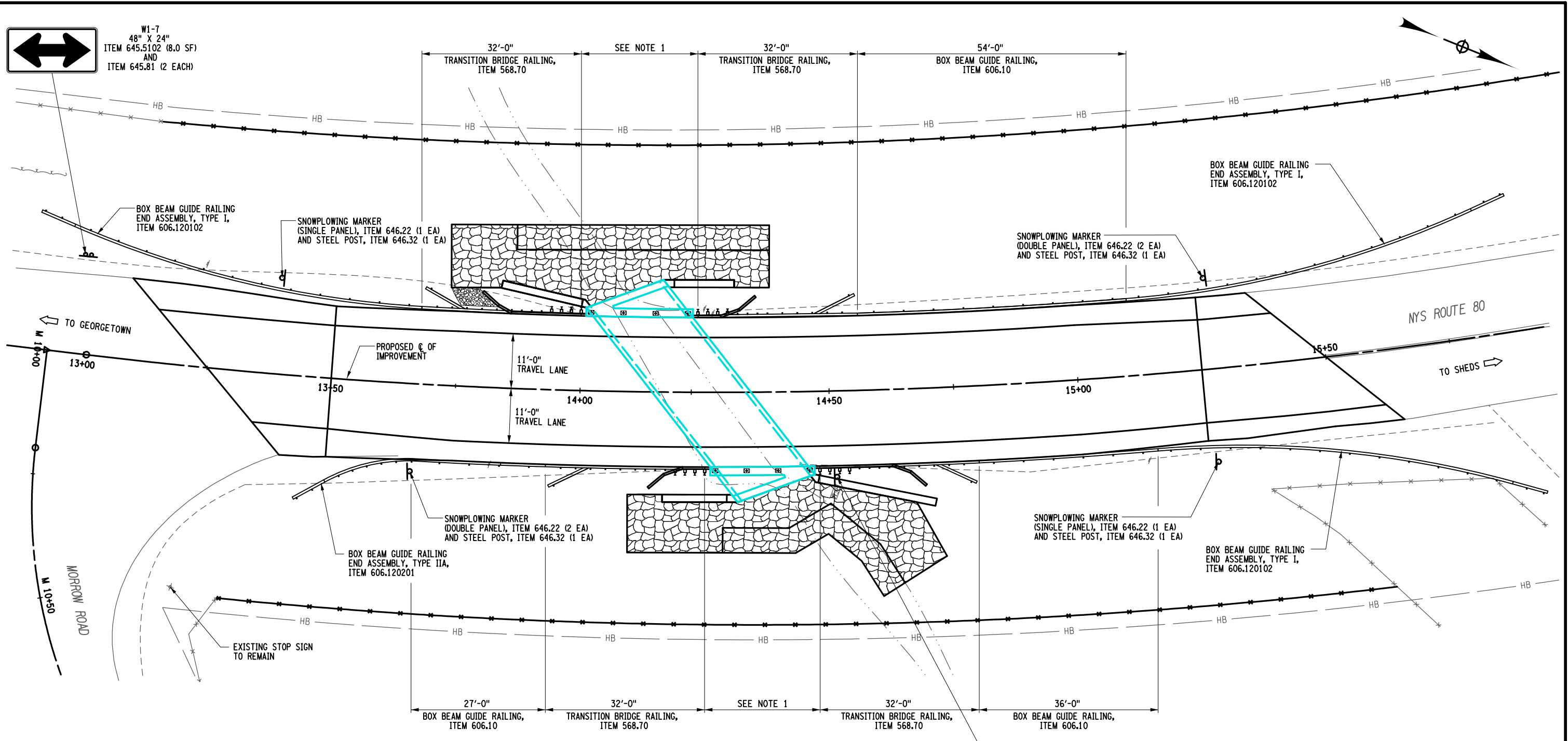
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK	UTILITY QUALITY LEVEL D				DRAWING NO. PL3-1	
	SH 8347				SITE 3 GENERAL PLAN	SHEET NO. 70	
	TOWN OF GEORGETOWN						
	COUNTY: MADISON	REGION: 2					

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FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 3 - C240056\2LC111_cph_rlg_site_3.dgn
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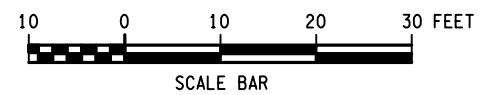
DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



NOTES:
 1. REFER TO DWGS. ST3-6 & RL-1 TO RL-4 FOR BRIDGE RAILING DETAILS.

SIGN REMOVALS				
LOCATION	SIDE	DESCRIPTION	ITEM	QUANTITY (EACH)
STA 13+23	LT	DELINEATOR	647.61	1
STA 13+82	RT	DELINEATOR	647.61	1
STA 13+98	LT	HAZARD MARKER	647.61	1
STA 14+25	LT	DELINEATOR	647.61	1
STA 14+27	LT	DELINEATOR	647.61	1
STA 14+51	RT	REFERENCE MARKER	647.61	1
STA 15+13	RT	DELINEATOR	647.61	1

**80
2402
1099**
 D10-05NY
 ITEM 646.21
 & ITEM 646.32



AFFIX SEAL: ON: _____

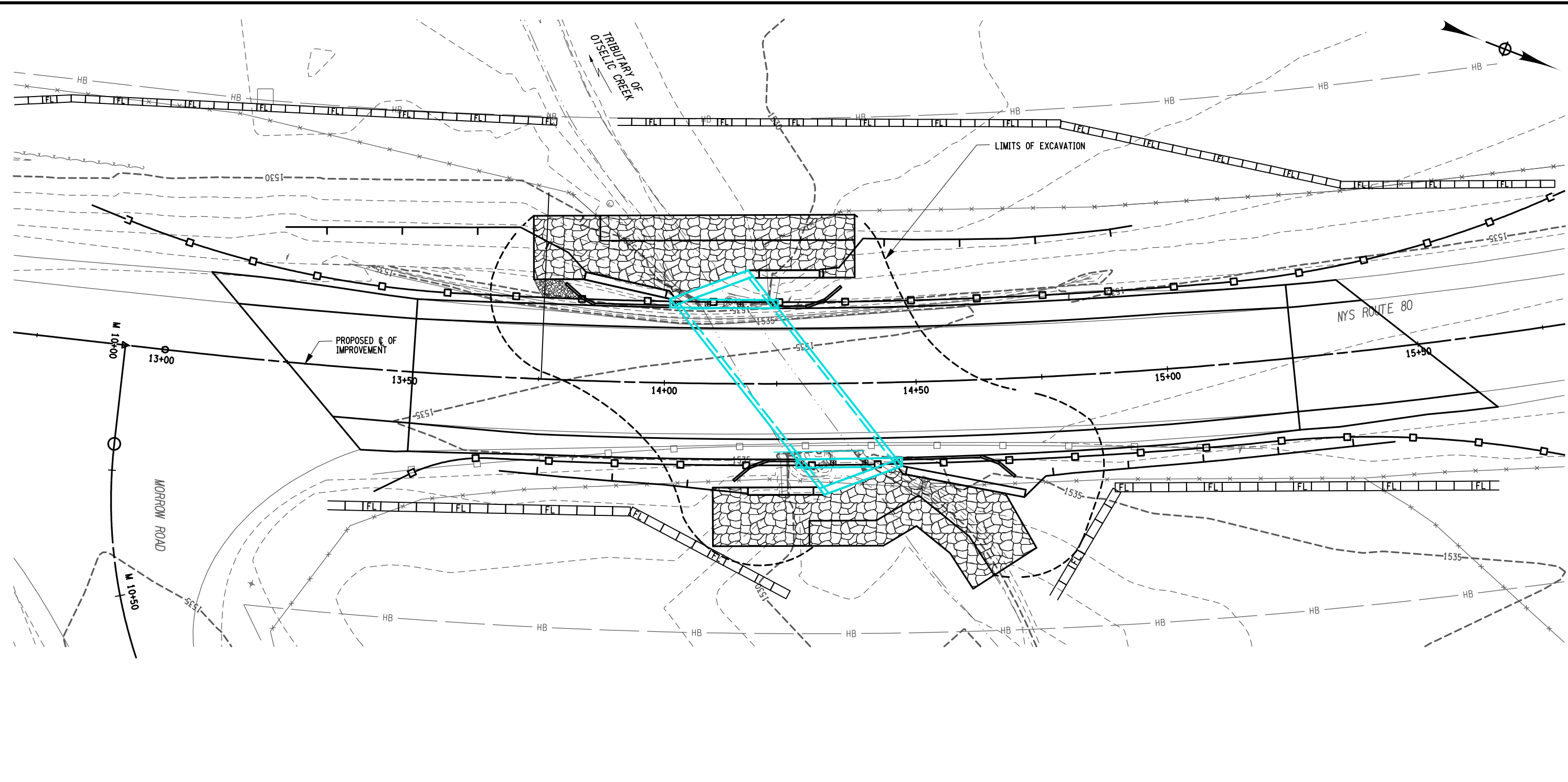
ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B &L	
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK					SITE 3 RAILING LAYOUT AND SIGNING PLAN		
	SH 8347							DRAWING NO. GR3-1
	TOWN OF GEORGETOWN							SHEET NO. 71
COUNTY: MADISON	REGION: 2	NEW YORK STATE OF OPPORTUNITY		Department of Transportation				

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

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 3 - C240056\2LC111_cph_eop_site_3.dgn
 DATE = 7/24/2014
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



LEGEND

- SEDIMENT FILTER LOG - TEMPORARY, ITEM 209.2301
- LIMITS OF STRUCTURE EXCAVATION, ITEM 206.01
- STONE FILL (HEAVY), ITEM 620.05

NOTES:

1. SEE DWG. ECN-1 FOR WATER DIVERSION NOTES AND PARAMETERS, PAYMENT UNDER ITEM 553.030001.



AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B &L
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK					SITE 3	
	SH 8347				EROSION CONTROL PLAN	SHEET NO. 72	
	TOWN OF GEORGETOWN	REGION: 2					

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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH

INDEX		
SHEET NO.	DESCRIPTION	DRAWING NO.
73	NOTES & INDEX	ST3-1
74	CULVERT PLAN & ELEVATION	ST3-2
75	CULVERT TRANSVERSE SECTION	ST3-3
76	EXCAVATION PLAN	ST3-4
77	EXCAVATION SECTION	ST3-5
78	HEADWALL PLAN & RAILING LAYOUT	ST3-6

PRECAST CONCRETE BOX CULVERT NOTES:

THE CONTRACTOR SHALL PROVIDE LOAD RATINGS IN BOTH THE LOAD FACTOR RATING (LFR) METHOD AND THE LOAD AND RESISTANCE FACTOR RATING (LRFR) METHOD. DESIGN LOADING SHALL BE HL-93, LOAD AND RESISTANCE FACTOR DESIGN STANDARDS WITH A MINIMUM LRFR INVENTORY RATING OF 1.2.

ACTUAL WALL AND TOP SLAB THICKNESS, REINFORCEMENT SIZE AND SPACING TO BE DETERMINED BY FABRICATOR'S ENGINEER. IF THE ACTUAL TOP SLAB THICKNESS IS LESS THAN THE 1'-0" ASSUMED, THEN THE LOW BEAM ELEVATION SHALL BE HELD. IF THE ACTUAL TOP SLAB THICKNESS IS GREATER THAN 1'-0", CONTACT THE ENGINEER IN CHARGE.

THE LENGTH OF EACH STRUCTURE SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR.

FOR MECHANICAL CONNECTORS IN TOP SLAB, SEE DWGS. ST3-6 AND RL-2.

THE BOX UNITS AT THE FASCIA SHALL HAVE #5 THREADED INSERTS @ 1'-0" MAX. SPACING TO RECEIVE MECHANICAL CONNECTORS CENTERED FOR HORIZONTAL CLOSURE POUR REINFORCEMENT. A KEYWAY SHALL BE CONSTRUCTED OVER THE MIDDLE 2/3 HEIGHT OF THE LEG OF THE FASCIA UNITS. COST INCLUDED IN ITEM 562.0101.

SEE DWG. ST3-6 FOR RAILING LAYOUT.

ALL EXPOSED EDGES SHALL HAVE A CHAMFER OF 1".

THE ENTIRE TOP SLAB OF THE BOX UNIT SHALL BE COVERED WITH SHEET APPLIED WATERPROOFING MEMBRANE. ON THE LEGS STRIPS OF WATERPROOFING MEMBRANE SHALL BE PLACED OVER EACH OF THE JOINTS, INCLUDING THE JOINTS OF THE CLOSURE POURS.

THE FABRICATOR SHALL PROVIDE A POSITIVE CONNECTION BETWEEN THE SEGMENT WITH AN ATTACHED HEADWALL AND ITS ADJACENT SEGMENT. CONNECTION DESIGN SHALL BE BASED ON THE TL RAIL LOAD SHOWN ON THE PLANS AND PRODUCE LONGEVITY CONSISTENT WITH THE PROJECT.

CONTRACTOR SHALL CUT WATERPROOFING MEMBRANE AND PLASTIC BACKING ON PREFABRICATED COMPOSITE STRUCTURAL DRAIN AT WEEP HOLE LOCATIONS.

PRECAST CONCRETE BOX UNIT REFORCEMENT COVER REQUIREMENTS:
 - TOP OF PRECAST BOX UNIT 2"
 - ALL OTHER PRECAST BOX UNIT FACES 1"

GENERAL NOTES:

RECORD PLANS FOR THIS STRUCTURE ARE AVAILABLE AT THE NYS DOT DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE.
 FOR DETAILS AND NOTES REGARDING THE TEMPORARY DETOUR STRUCTURE REFER TO DWG'S WZTC3-2 & WZTC3-6.

HYDRAULIC NOTES:

THE COST OF DEWATERING THE ENTIRE EXCAVATION, REGARDLESS OF THE SOURCE OF WATER, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE EXCAVATION ITEM(S).

ORDINARY HIGH - WATER IS ESTIMATED TO BE 1529.2. ORDINARY HIGH-WATER IS DEFINED AS THE WATER SURFACE ELEVATION FOR THE MEAN ANNUAL FLOOD, WHICH IS THE FLOOD THAT HAS A RECURRENCE INTERVAL OF 2 YEARS.

ORDINARY WATER IS ESTIMATED TO BE 1529.0. ORDINARY WATER IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (EXCLUDING 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 1528.5. LOW WATER IS DEFINED AS 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.

THE 2-YEAR STORM EVENT HAS A FLOW OF 53 CFS.

FOUNDATION NOTES:

UNLESS OTHERWISE SHOWN ON THE CONTRACT PLANS, REMOVE EXISTING SUBSTRUCTURES AS FOLLOWS:

- COMPLETELY REMOVE THE PORTION OF THE EXISTING SUBSTRUCTURE WITHIN A LATERAL LIMIT OF 3 FEET OF THE NEW SUBSTRUCTURE.
- REMOVE THE PORTION OF THE EXISTING SUBSTRUCTURE THAT IS OUTSIDE OF THIS LATERAL LIMIT AS FOLLOWS:
 - EXISTING SUBSTRUCTURE LOCATED UNDER ROADWAY - REMOVE TO 2.0 FEET BELOW SUBGRADE SURFACE.
 - EXISTING SUBSTRUCTURE LOCATED UNDER APPROACH EMBANKMENT END SLOPE - REMOVE TO ELEVATION WHERE IT INTERSECTS THE BOTTOM OF THE STONE FILLING.
 - EXISTING SUBSTRUCTURE AT ALL OTHER LOCATIONS - REMOVE TO 1.0 FOOT BELOW FINISHED GRADE.

AFFIX SEAL: ON:	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B &L
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK					D265331	
	SH 8347					SITE 3 NOTES & INDEX	
	TOWN OF GEORGETOWN						
COUNTY: MADISON	REGION: 2	SHEET NO. 73					

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



FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 3 - C240056\2LCL11.cpb_gen.ste_3.dgn
 DATE = 7/24/2024
 TIME = 1:44:01 PM

PROJECT MANAGER: W. FINCH
 CHECK: G. WEHBE
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: M. PATTERSON
 DESIGN: D. KINSMAN
 JOB MANAGER: B. TREMBLAY
 DESIGN SUPERVISOR: M. SCHOOLEY

GEOTECHNICAL WINGWALL DESIGN DATA

FRICITION ANGLE OF SOIL RETAINED BY THE WALL (DEGREES)	FRICITION ANGLE OF FOUNDATION SOIL (DEGREES)	TOTAL SOIL UNIT WEIGHT (lb/ft ³)	MAXIMUM SERVICE LIMIT STATE BEARING RESISTANCE (kip/ft ²)	NOMINAL COEFFICIENT OF FRICTION FOR SLIDING	STRENGTH LIMIT STATE RESISTANCE FACTOR FOR SLIDING	STRENGTH LIMIT STATE RESISTANCE FACTOR FOR BEARING
34	32	120	3.0	0.5	0.90	0.45

- FOR THE SLIDING AND ECCENTRICITY ANALYSES, ASSUME A GROUND WATER ELEVATION OF 1529.8 FEET.
- FOR THE BEARING ANALYSES, ASSUME A GROUNDWATER ELEVATION OF 1522.5 FEET.
- USE SUBMERGED UNIT WEIGHTS BELOW THE GROUNDWATER ELEVATIONS PROVIDED.
- ASSUME A SURCHARGE LOAD OF 250 POUNDS PER SQUARE FOOT.

WINGWALL DATA

LOCATION	ELEVATION A	ELEVATION B	DIMENSION "L"
WINGWALL 1	1534.93	1522.03	16.5'
WINGWALL 2	1536.20	1522.82	13.0'
WINGWALL 3	1534.77	1522.03	12.0'
WINGWALL 4	1536.60	1522.82	24.0'

DIMENSION "L" IS MEASURED ALONG FRONT FACE OF WINGWALL.
 DIMENSION "L" IS THE PRECAST LENGTH OF WINGWALL.
 FOR LOCATIONS OF ELEVATIONS A, & B, AND DIMENSION "L", SEE DWG. ST3-3.

BOX CULVERT DESIGN DATA

CLEAR SPAN, ft.	14.0
STRUCTURE RISE, ft.	6.0
* MIN. FILL HEIGHT, ft.	1.3
* MAX. FILL HEIGHT, ft.	2.3
(CSKEW) SKEW ANGLE TO C OF ROADWAY, DEG.	38
FASCIA SKEW DEG.	18
LIVE LOAD	HL93 W/LRFR INV. FACTOR ≥ 1.2
** RAILING / BARRIER TEST LEVEL	TL-4

LOAD RATING (LFD)

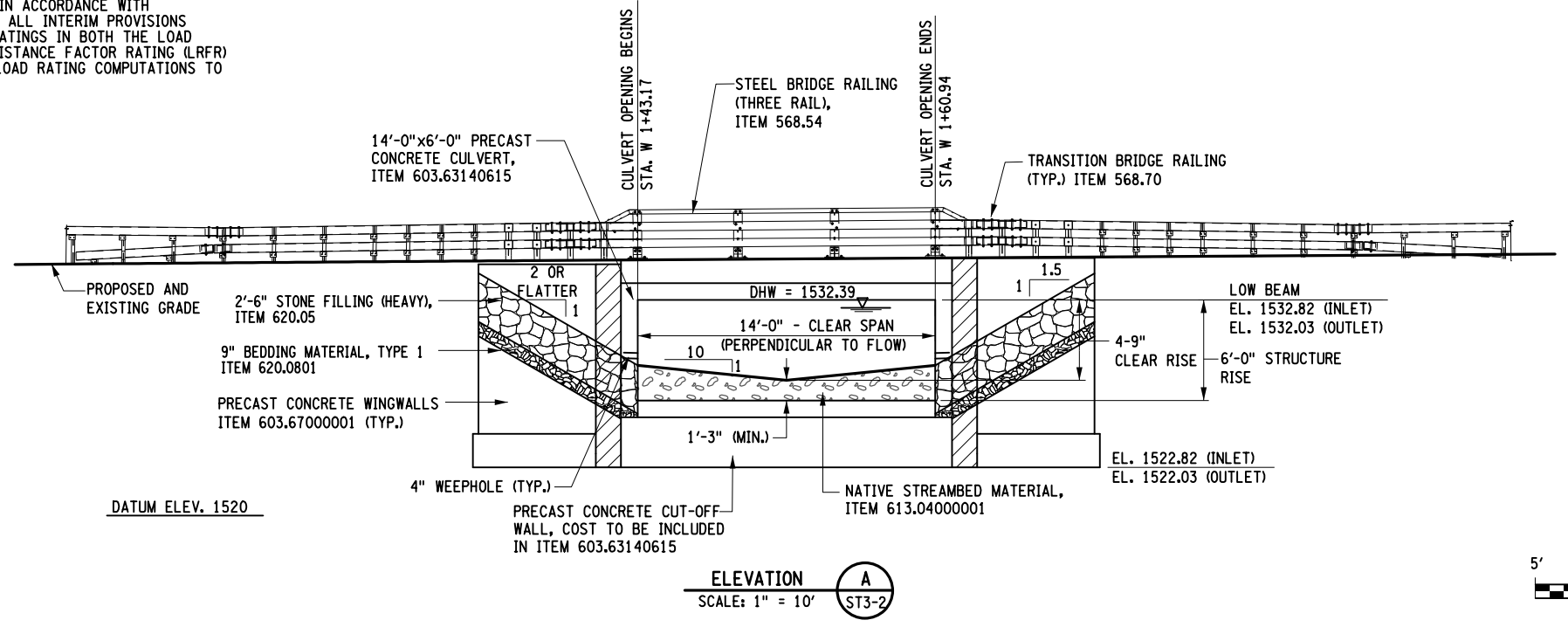
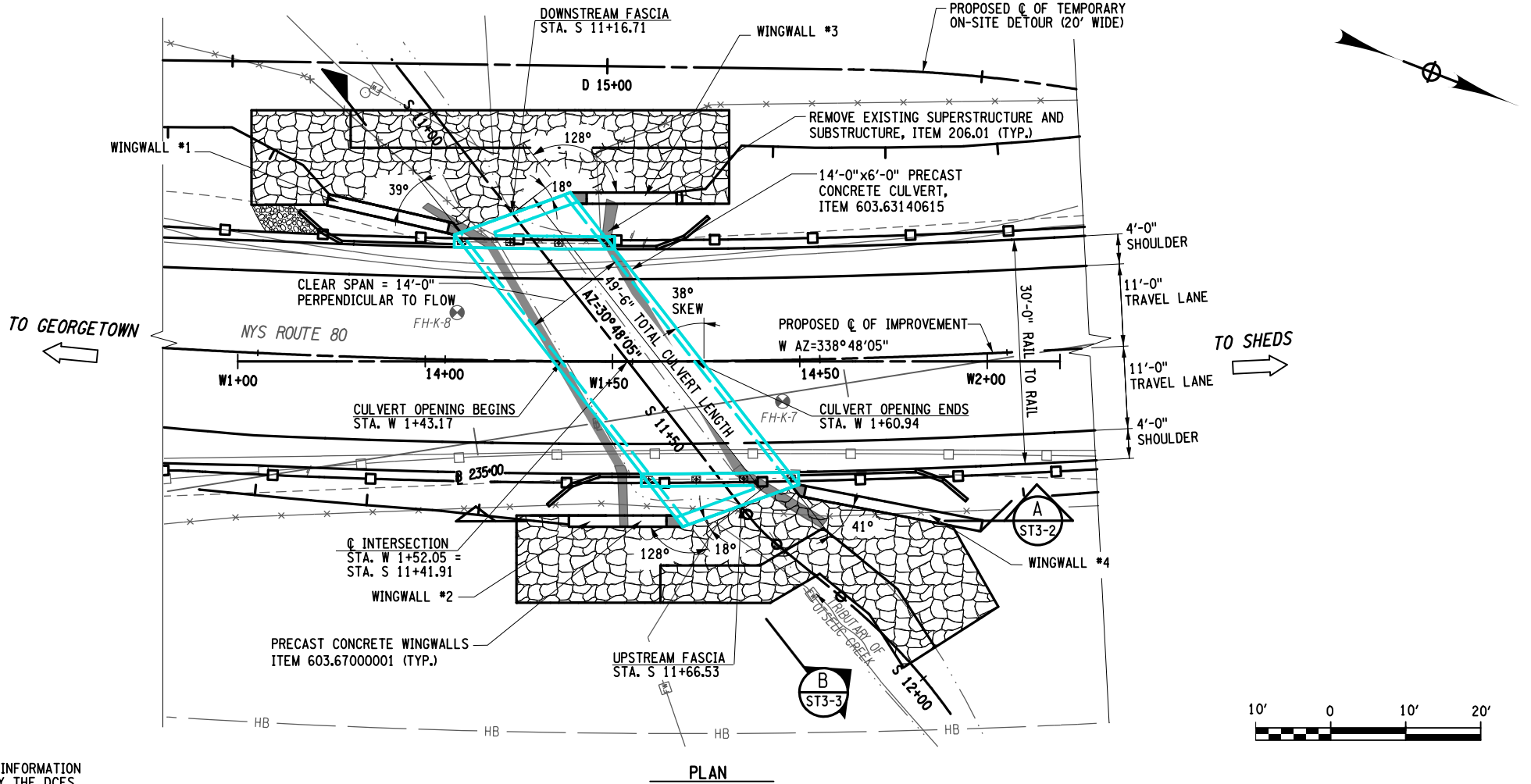
INVENTORY	HS	TONS
OPERATING	HS	TONS

LRFR RATING FACTORS

INVENTORY	HL-93
OPERATING	HL-93

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

- * BASED ON ASSUMED TOP SLAB THICKNESS OF 1'-0". FABRICATOR SHALL ADJUST BASED ON ACTUAL TOP SLAB THICKNESS, MEASURED FROM THE TOP OF THE SLAB TO THE TOP OF THE PAVEMENT.
- ** THE FABRICATOR SHALL PROVIDE A POSITIVE (kip/ft²) CONNECTION BETWEEN THE SEGMENT WITH AN ATTACHED HEADWALL AND ITS ADJACENT SEGMENT. CONNECTION DESIGN SHALL BE BASED ON THE TL RAIL LOAD SHOWN ON THE PLANS AND PRODUCE LONGEVITY CONSISTENT WITH THE PROJECT.



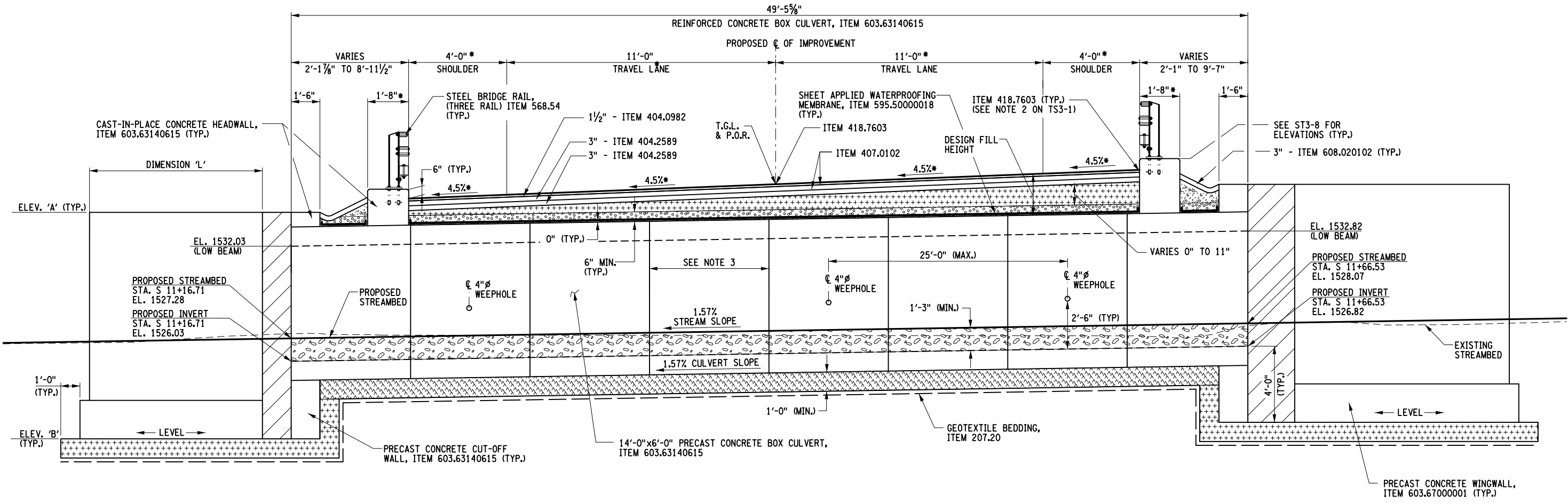
AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK SH 8347 TOWN OF GEORGETOWN COUNTY: MADISON REGION: 2	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
SITE 3 CULVERT PLAN & ELEVATION					DRAWING NO. ST3-2 SHEET NO. 74		NEW YORK STATE OF OPPORTUNITY Department of Transportation

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

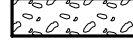


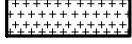
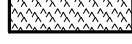
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 TIME = 7:44:29 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH




PROPOSED CULVERT SECTION B
 SCALE: 3/16" = 1'-0"
 ST3-2

LEGEND:

-  NATIVE STREAMBED MATERIAL, ITEM 613.04000001
-  EMBANKMENT-IN-PLACE, ITEM 203.03
-  CONCRETE SAND, MEETING THE REQUIREMENTS OF MATERIAL DESIGNATION 703-0, COST TO BE INCLUDED IN ITEM 595.50000018
-  SUBBASE, TYPE 1, ITEM 304.11 COST TO BE INCLUDED IN THE ASSOCIATED PRECAST ITEMS, 603.63140615 AND 603.67000001
-  CRUSHED MATERIAL LEVELING BED, MEETING THE REQUIREMENTS OF MATERIAL DESIGNATION 703-02, CONSISTING OF A MIXTURE OF STONE SIZE DESIGNATIONS 1 AND 2, COST TO BE INCLUDED IN ITEM 603.63140615

NOTES:

1. * MEASURED PERPENDICULAR TO PROPOSED C OF IMPROVEMENT. ALL OTHER MEASUREMENTS ARE TAKEN ALONG THE C OF STREAM.
2. FOR ELEVATIONS 'A' AND 'B' AND LENGTH 'L', SEE WINGWALL DATA TABLE ON ST1-2.
3. THE LENGTH OF EACH CULVERT SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR. IF STAGED CONSTRUCTION IS EMPLOYED, THE PRECAST BOX CULVERT SEGMENT LENGTH MUST BE COMPATIBLE WITH STAGING REQUIREMENTS.
4. FOR STREAMBED SECTION PAST CUTOFF WALLS REFER TO DWG. ST3-5.

AFFIX SEAL: ON: 

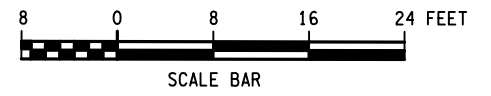
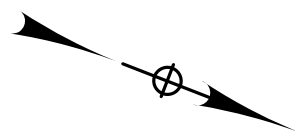
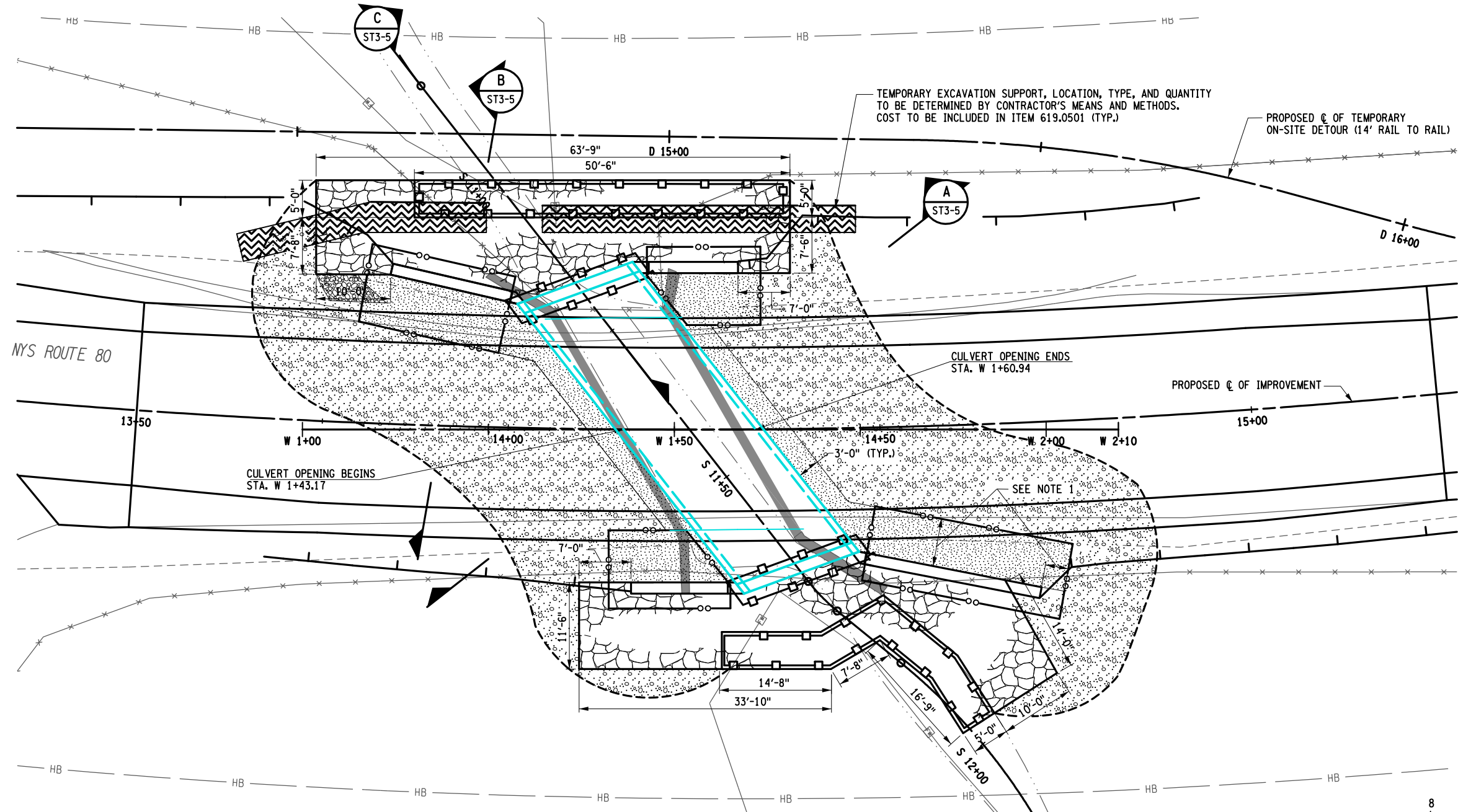
ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK					D265331	L
	SH 8347					SITE 3	
	TOWN OF GEORGETOWN					CULVERT TRANSVERSE SECTION	
COUNTY: MADISON	REGION: 2					DRAWING NO.	ST3-3
						SHEET NO.	75

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

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 3 - C240056\2LC111_cpb-errw_pln_site_3.dgn
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



EXCAVATION PLAN

LEGEND

- STONE FILL (HEAVY), ITEM 620.05
- REMOVAL OF SUPERSTRUCTURE AND SUBSTRUCTURES, ITEM 206.01
- SELECT GRANULAR FILL, ITEM 203.07
- EMBANKMENT IN PLACE, ITEM 203.03
- LIMITS OF STRUCTURE EXCAVATION, ITEM 206.01
- TEMPORARY EXCAVATION SUPPORT, COST TO BE INCLUDED IN ITEM 619.0501
- TRENCH & CULVERT EXCAVATION ITEM 206.0201
- WITHIN THESE LINES, EXCAVATE AND BACKFILL IN ACCORDANCE WITH THE ITEMS INDICATED. PAYMENT FOR ALL ITEMS WITHIN THESE LINES SHALL BE INCLUDED IN THE PRICE BID FOR THE WINGWALL, ITEM 603.67000001.

NOTES:

1. REFER TO BD-CB2 FOR LIMITS OF SELECT FILL BASED ON WALL TYPE PROVIDED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE APPROPRIATE SEQUENCE FOR THE CULVERT REPLACEMENT WHILE MAINTAINING THE FLOW OF TRIBUTARY OF OTSELIC CREEK. DEWATERING OF THE SITE SHALL BE PERFORMED FOLLOWING THE REQUIREMENTS OF §553 OF THE NYS DOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE A DRY SITE, REGARDLESS OF THE SOURCE OF WATER, SUITABLE FOR INSTALLATION OF THE CONCRETE AND EARTHWORK ITEMS, COST TO BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
3. REFER TO DWG. ECP4-1 FOR EROSION CONTROL AND WATER CONTROL ITEMS.
4. FOR DETAILS AND NOTES REGARDING THE TEMPORARY DETOUR STRUCTURE REFER TO DWG'S WZTC3-2 AND WZTC3-6.

AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK SH 8347 TOWN OF GEORGETOWN COUNTY: MADISON REGION: 2	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
SITE 3 EXCAVATION PLAN					DRAWING NO. ST3-4	SHEET NO. 76	

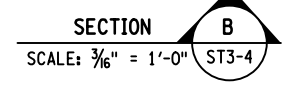
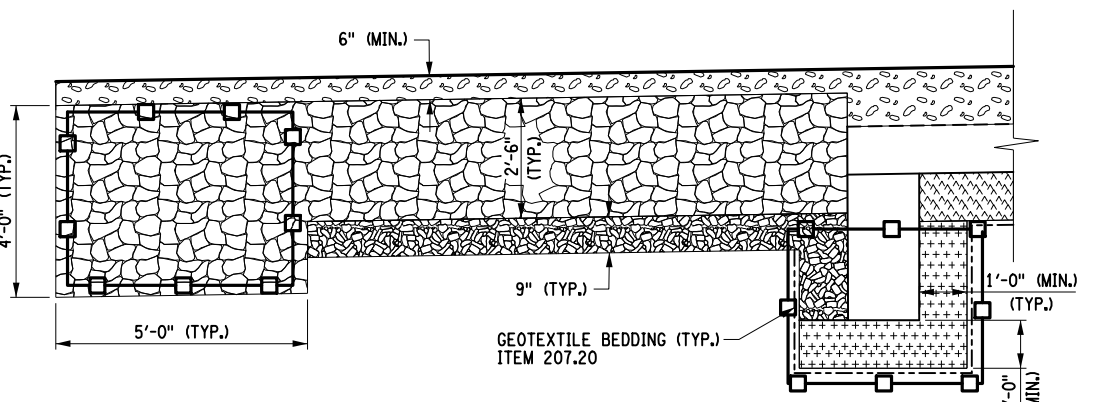
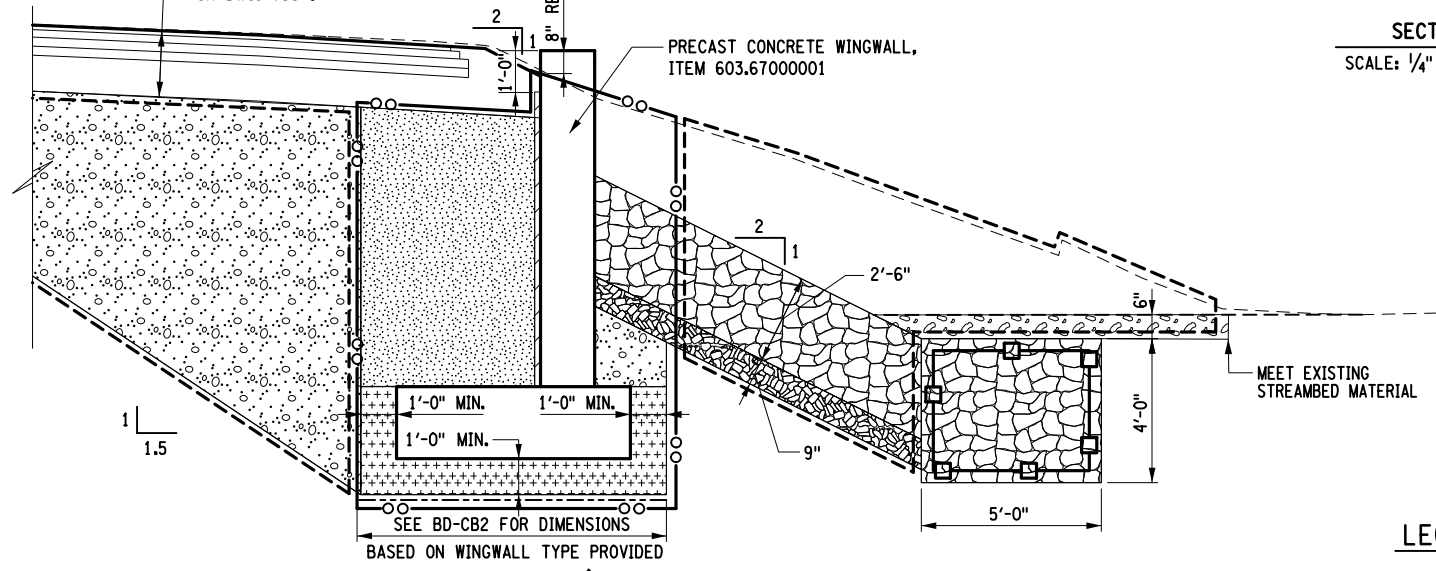
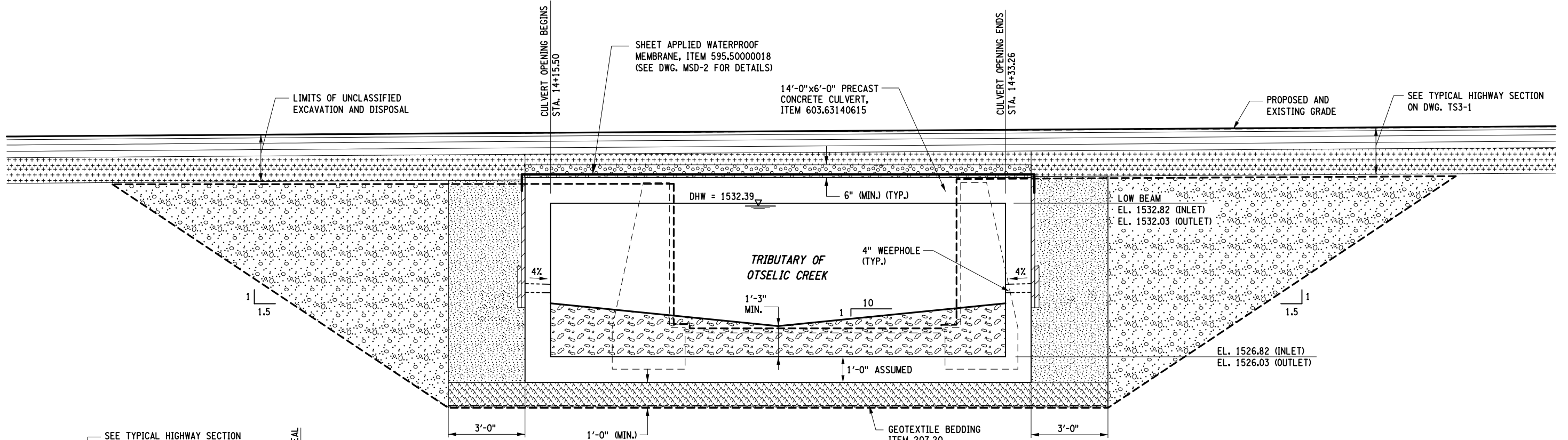
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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



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PROJECT MANAGER: W. FINCH
 CHECK: G. WEHBE
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: M. PATTERSON
 DESIGN: D. KINSMAN
 JOB MANAGER: B. TREMBLAY
 DESIGN SUPERVISOR: M. SCHOOLEY



SECTION A
 SCALE: 1/4" = 1'-0" ST3-4

TYPICAL INLET AND OUTLET PROTECTION SECTION
 SCALE: 1/4" = 1'-0" ST3-4

LEGEND	
	SELECT GRANULAR FILL, ITEM 203.07
	EMBANKMENT IN PLACE, ITEM 203.03
	NATIVE STREAMBED MATERIAL, ITEM 613.04000001
	SUBBASE, TYPE 1, ITEM 304.11, COST TO BE INCLUDED IN THE ASSOCIATED PRECAST ITEMS
	CRUSHED MATERIAL LEVELING BED, MEETING THE REQUIREMENTS OF MATERIAL DESIGNATION 703-02, CONSISTING OF A MIXTURE OF STONE SIZE DESIGNATIONS 1 AND 2, COST TO BE INCLUDED IN ITEM 603.63140615
	STONE FILL (HEAVY), ITEM 620.05
	BEDDING MATERIAL TYPE 1, ITEM 620.0801
	COMPOSITE STRUCTURAL DRAIN, ITEM, 207.26 (TYP.)
	STRUCTURE EXCAVATION, ITEM 206.01
	TRENCH & CULVERT EXCAVATION ITEM 206.0201
	WITHIN THESE LINES, EXCAVATE AND BACKFILL IN ACCORDANCE WITH THE ITEMS INDICATED. PAYMENT FOR ALL ITEMS WITHIN THESE LINES SHALL BE INCLUDED IN THE PRICE BID FOR THE WINGWALL ITEM.
	CONCRETE SAND, MEETING THE REQUIREMENTS OF MATERIAL DESIGNATION 703-0, COST TO BE INCLUDED IN ITEM 595.50000018

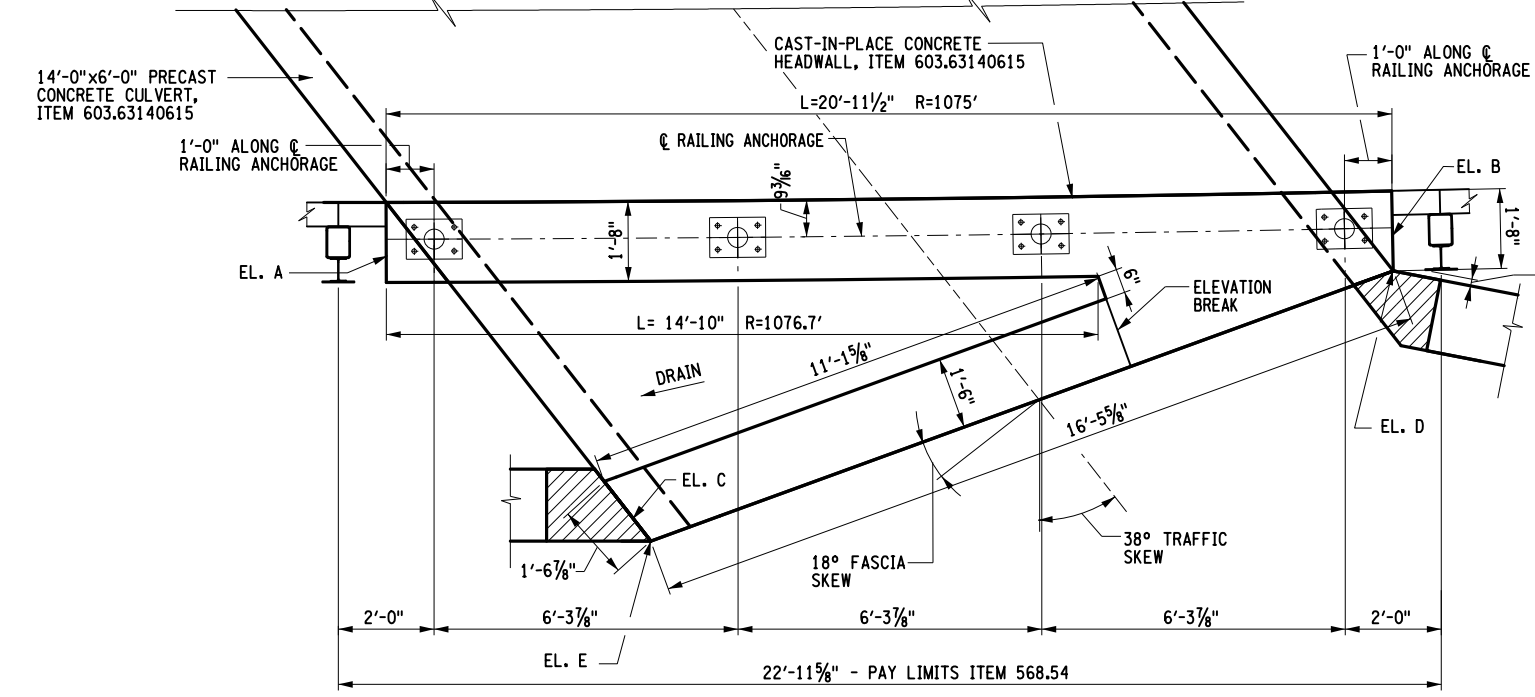
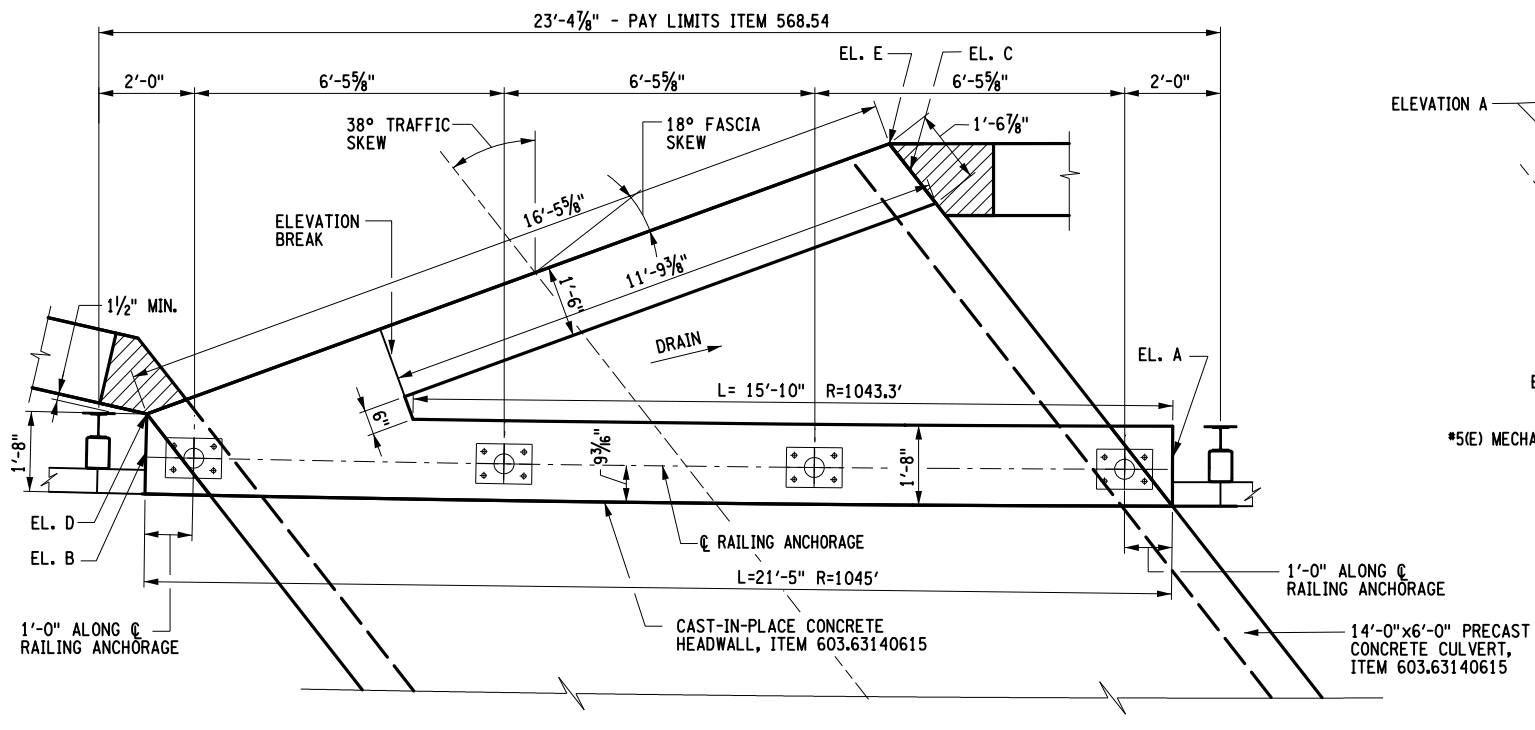
AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK				SITE 3 EXCAVATION SECTION	DRAWING NO. ST3-5	
	SH 8347					SHEET NO. 77	
	TOWN OF GEORGETOWN						
	COUNTY: MADISON	REGION: 2					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.							

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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



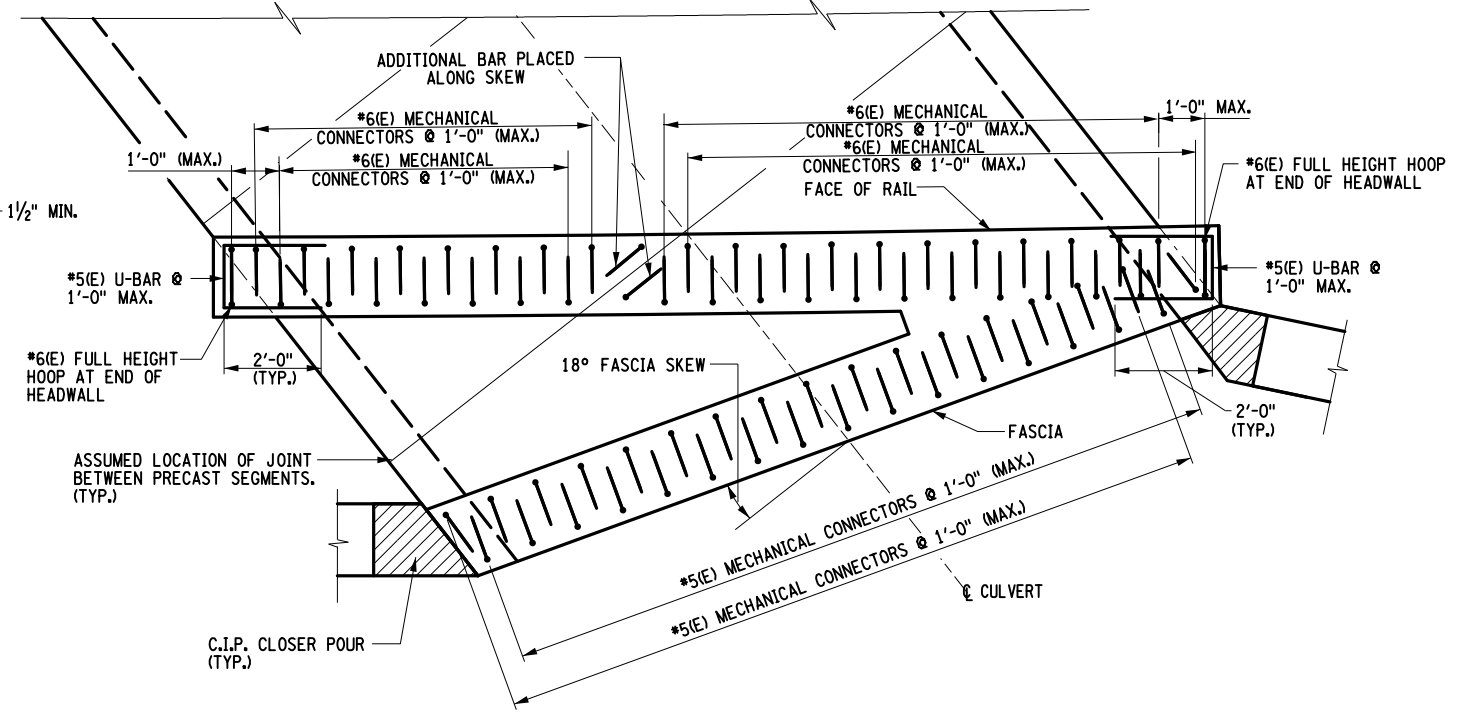
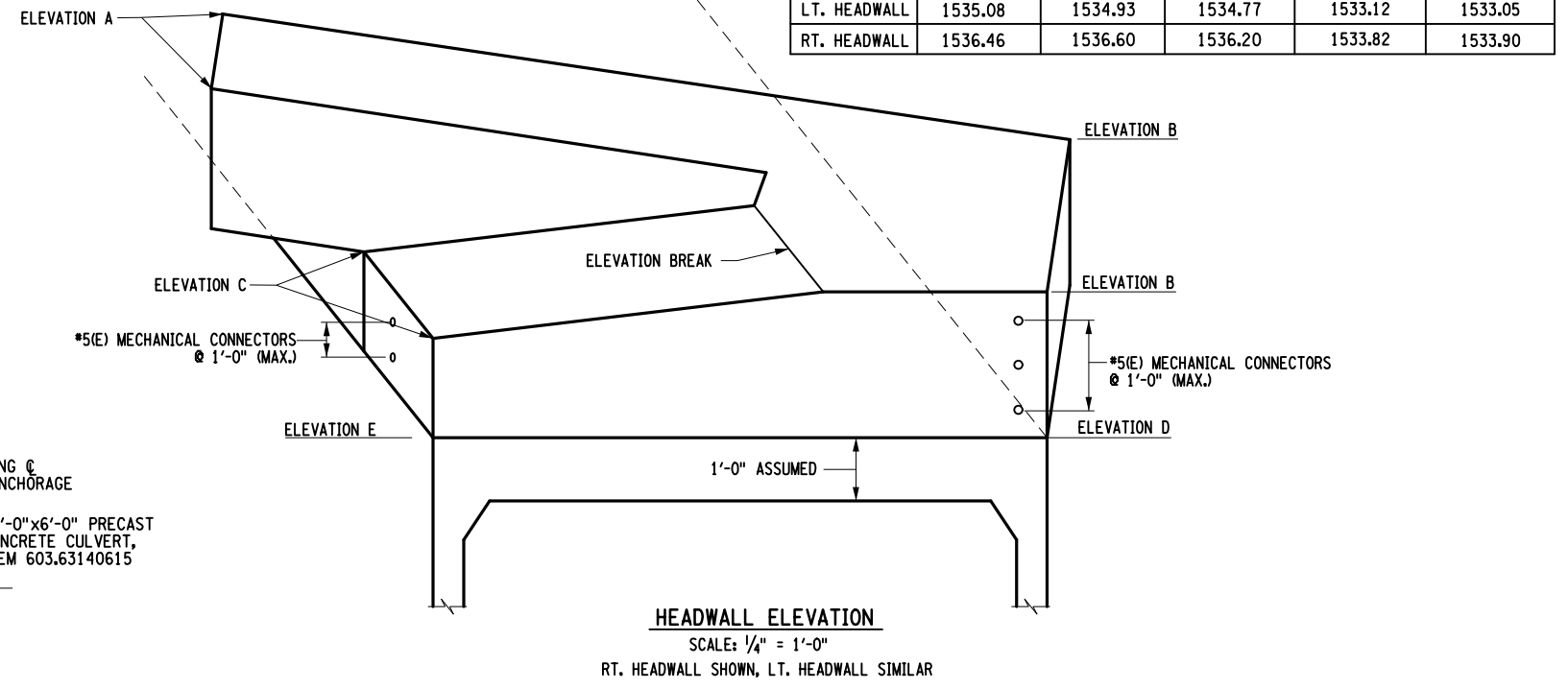
AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

NOTE:
 1. SEE DWG. RL-2 FOR HEADWALL ANCHORAGE DETAILS AND SECTIONS.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERTS C240056	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK				SITE 3	DRAWING NO. ST3-6	
	SH 8347				HEADWALL PLAN & RAILING LAYOUT	SHEET NO. 78	
	TOWN OF GEORGETOWN						
	COUNTY: MADISON	REGION: 2					

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HEADWALL DATA					
LOCATION	ELEVATION A	ELEVATION B	ELEVATION C	ELEVATION D	ELEVATION E
LT. HEADWALL	1535.08	1534.93	1534.77	1533.12	1533.05
RT. HEADWALL	1536.46	1536.60	1536.20	1533.82	1533.90

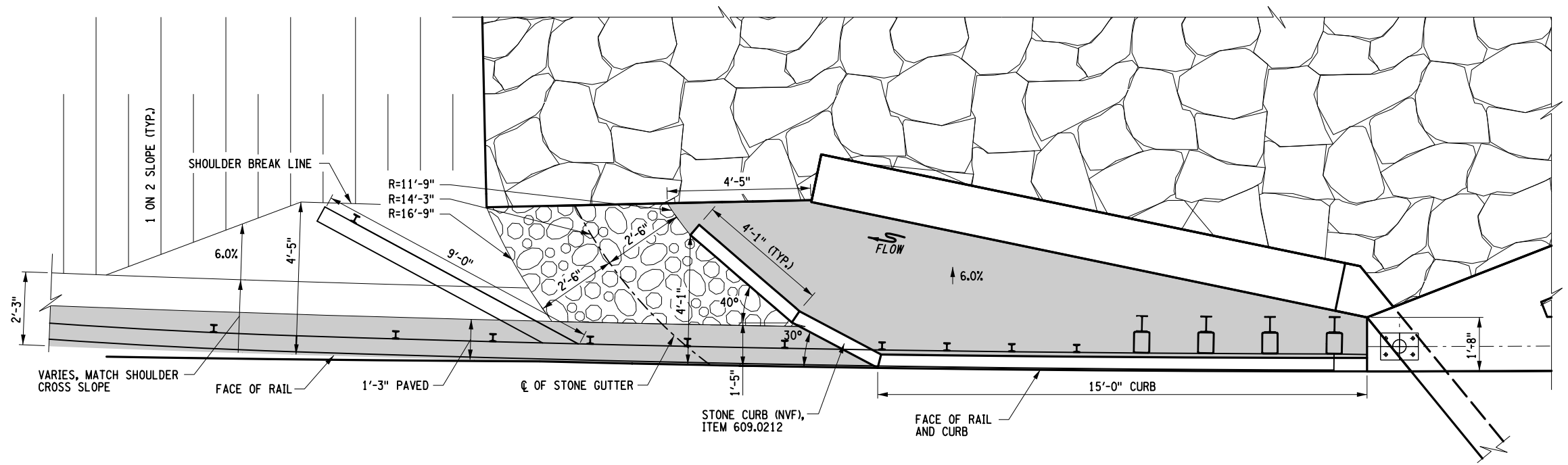


HEADWALL REINFORCEMENT PLAN
 SCALE: 1/4" = 1'-0"
 RT. HEADWALL SHOWN, LT. HEADWALL SIMILAR
 LONGITUDINAL BARS IN HEADWALL ARE NOT SHOWN FOR CLARITY

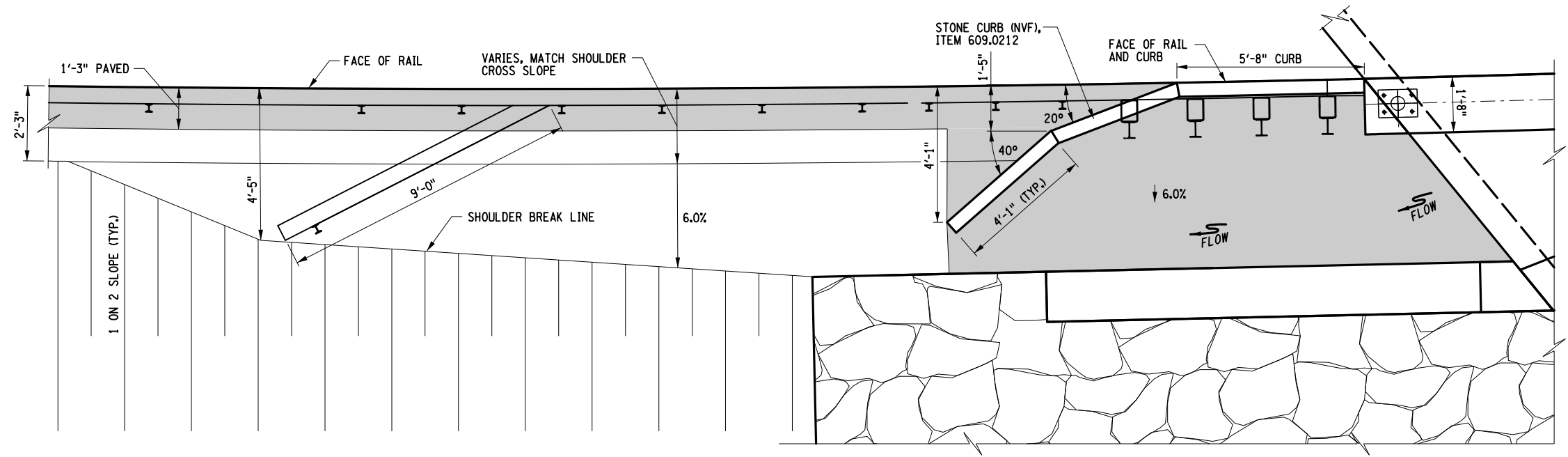


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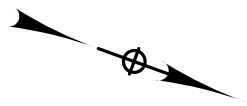
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LAYOUT OF DRAINAGE CURBING AND STONE GUTTER
 NTS
 LOCATION: STA. 13+80.00 LT.



LAYOUT OF DRAINAGE CURBING
 NTS
 LOCATION: STA. 14+20.00 RT.



LEGEND
 [Shaded Box] PAVED AREA, REFER TO TYPICAL SECTIONS FOR DETAILS

AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

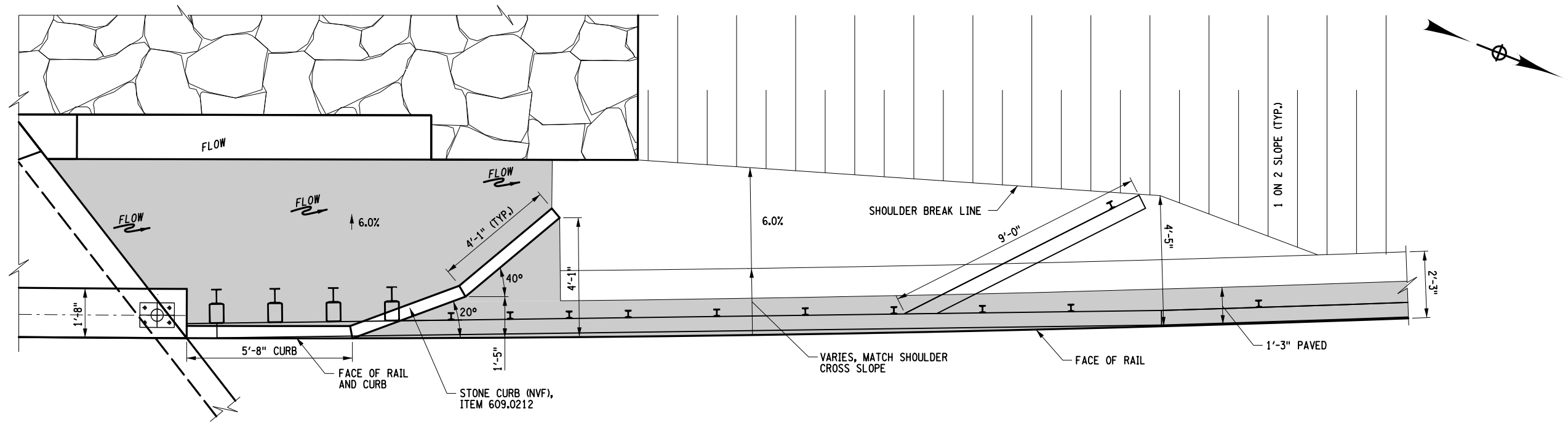
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	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK					SITE 3	
	SH 8347	TOWN OF GEORGETOWN	REGION: 2		MISCELLANEOUS DETAILS	SHEET NO. 79	
		COUNTY: MADISON					

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

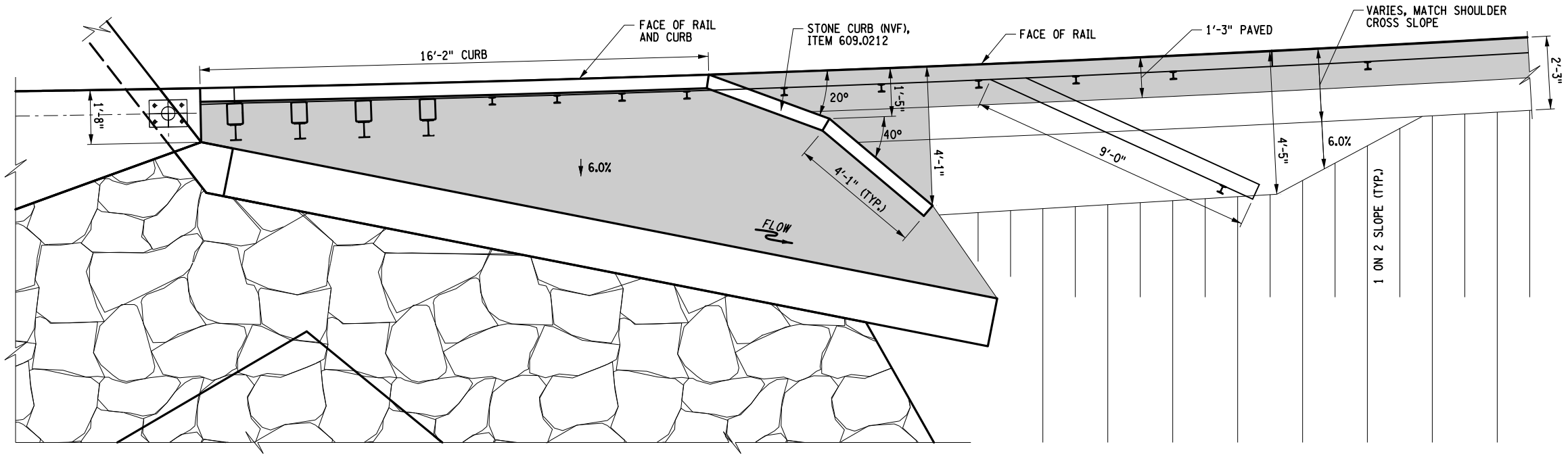


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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH




LAYOUT OF DRAINAGE CURBING
 NTS
 LOCATION: STA. 14+30.00 LT.



LAYOUT OF DRAINAGE CURBING
 NTS
 LOCATION: STA. 14+60.00 RT.

LEGEND
 PAVED AREA, REFER TO TYPICAL SECTIONS FOR DETAILS

AFFIX SEAL: ON: 

ALTERED BY: ON:

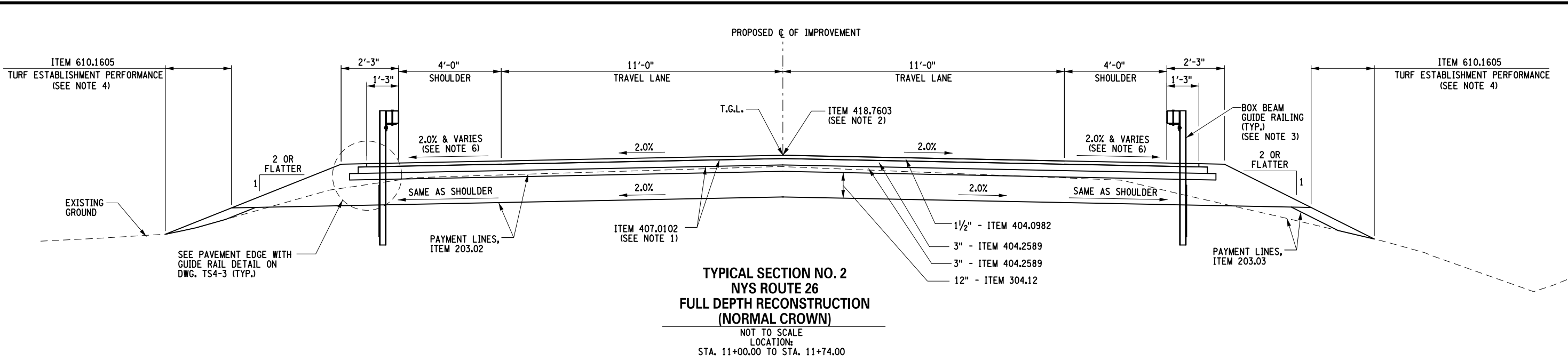
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	ROUTE 80 OVER TRIBUTARY OF OTSELIC CREEK					DRAWING NO. MSD3-2 SHEET NO. 80	
	SH 8347						
	TOWN OF GEORGETOWN						
	COUNTY: MADISON	REGION: 2					

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.

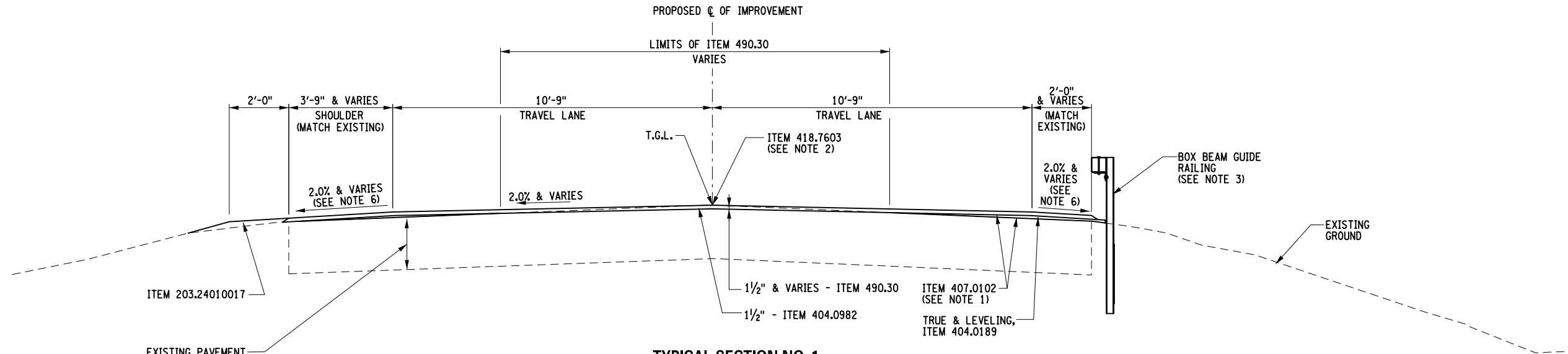
NEW YORK STATE OF OPPORTUNITY
 Department of Transportation

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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



TYPICAL SECTION NO. 2
NYS ROUTE 26
FULL DEPTH RECONSTRUCTION
(NORMAL CROWN)
 NOT TO SCALE
 LOCATION:
 STA. 11+00.00 TO STA. 11+74.00



TYPICAL SECTION NO. 1
NYS ROUTE 26
MILLING AND RESURFACING
 NOT TO SCALE
 LOCATION:
 STA. 10+50.00 TO STA. 11+00.00
 STA. 14+25.00 TO STA. 16+25.00

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
203.03	EMBANKMENT IN PLACE	CY	610.1605	TURF ESTABLISHMENT PERFORMANCE	SY
203.24010017	SHOULDER BACKUP MATERIAL	TON			
304.12	SUBBASE COURSE, TYPE 2	CY			
404.0189	TRUING & LEVELING F9, ASPHALT, 80 SERIES COMPACTION	TON			
404.0982	9.5 F2 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON			
404.2589	25 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON			
407.0102	DILUTED TACK COAT	GAL			
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF			

- NOTES:**
- TACK COAT SHALL BE APPLIED BETWEEN ALL LIFTS OF ASPHALT.
 - ITEM 418.7603 SHALL BE APPLIED ON ALL VERTICAL FACES FOR ALL JOINTS AND FACE OF CURB ON THE TOP COURSE ONLY.
 - REFER TO DWG. PM4-1 FOR GUIDE RAIL LOCATION AND ITEM NUMBERS.
 - LIMITS FOR ESTABLISHING TURF SHALL BE FROM THE OUTSIDE EDGE OF THE STABILIZED SHOULDER TO THE POINT WHERE WORK INTERSECTS THE EXISTING GROUND, A.O.B.E. WHEN IN THE JUDGMENT OF THE ENGINEER, THE SUBBASE COURSE IS UNSUITABLE FOR ESTABLISHING A SATISFACTORY STAND OF GRASS, SEEDING AND ITS PAYMENT UNDER ITEM 610.1605 SHALL NOT BE AUTHORIZED.
 - SHOULDER CROSS SLOPES SHALL MATCH TRAVEL LANE CROSS SLOPES. USE 50' AT BEGINNING AND END OF PROJECT TO TRANSITION SHOULDER CROSS SLOPES TO MATCH EXISTING.

AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
 ROUTE 26 OVER SCONONDOA CREEK
 SH 369 AUGUSTA RD - ORISKANY FALLS SECTION
 TOWN OF AUGUSTA
 COUNTY: ONEIDA REGION: 2

PIN 2LCL1.12
 BRIDGES 1080910
 CULVERTS C260106

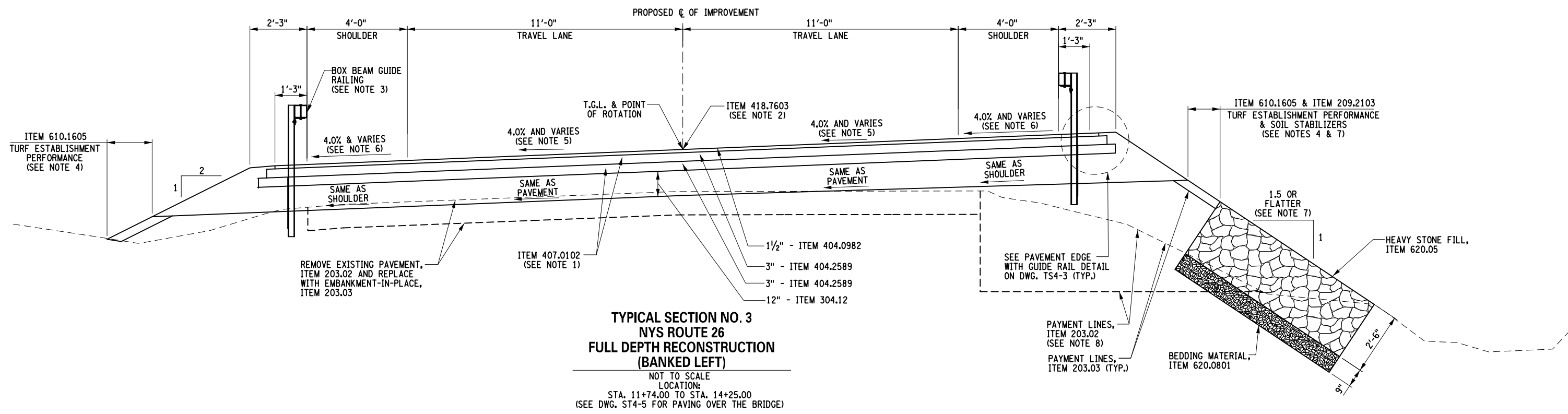
ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 CONTRACT NUMBER D265331
 SITE 4
 TYPICAL SECTIONS
 DRAWING NO. TS4-1
 SHEET NO. 81

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

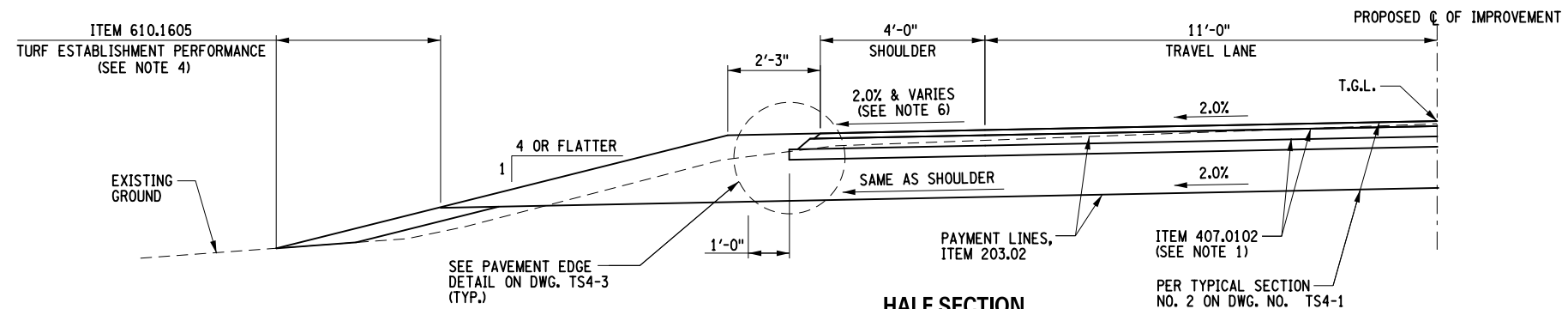


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 DATE = 7/24/02
 TIME = 1:44:07 PM

PROJECT MANAGER: W. FINCH
 CHECK: G. WEHBE
 DRAFTING: P. ZIARKO/M. KROWICKI
 CHECK: M. PATTERSON
 DESIGN: D. KINSMAN
 JOB MANAGER: B. TREMBLAY
 DESIGN SUPERVISOR: M. SCHOOLEY



**TYPICAL SECTION NO. 3
 NYS ROUTE 26
 FULL DEPTH RECONSTRUCTION
 (BANKED LEFT)**
 NOT TO SCALE
 LOCATION:
 STA. 11+74.00 TO STA. 14+25.00
 (SEE DWG. ST4-5 FOR PAVING OVER THE BRIDGE)



**HALF SECTION
 WITHOUT GUIDE RAIL**
 LOCATIONS:
 STA. 11+00.00 TO STA. 11+50.00 LT.

- NOTES:**
- TACK COAT SHALL BE APPLIED BETWEEN ALL LIFTS OF ASPHALT.
 - ITEM 418.7603 SHALL BE APPLIED ON ALL VERTICAL FACES FOR ALL JOINTS ON THE TOP COURSE ONLY, AND FACE OF CURB.
 - REFER TO DWG. PM4-1 FOR GUIDE RAIL LOCATION AND ITEM NUMBERS.
 - LIMITS FOR ESTABLISHING TURF SHALL BE FROM THE OUTSIDE EDGE OF THE STABILIZED SHOULDER TO THE POINT WHERE WORK INTERSECTS THE EXISTING GROUND, A.O.B.E. WHEN IN THE JUDGMENT OF THE ENGINEER, THE SUBBASE COURSE IS UNSUITABLE FOR ESTABLISHING A SATISFACTORY STAND OF GRASS, SEEDING AND ITS PAYMENT UNDER ITEM 610.1605 SHALL NOT BE AUTHORIZED.
 - REFER TO SUPERELEVATION DIAGRAM ON DWG. PR4-1.
 - SHOULDER CROSS SLOPES SHALL MATCH TRAVEL LANE CROSS SLOPES. USE 50' AT BEGINNING AND END OF PROJECT TO TRANSITION SHOULDER CROSS SLOPES TO MATCH EXISTING.
 - EMBANKMENT SLOPE SHALL BE 1 ON 1.5 BETWEEN STA. 11+25.00 TO STA. 13+02.00; RT. AND STA. 14+00.00 TO 15+00.00; RT., USE ITEM 209.2103 IN THIS AREA.
 - REFER TO STANDARD SHEET 203-02 FOR BENCHING DETAILS AND PAYMENT METHOD.
 - RESHAPE EXISTING DITCH FROM STA. 10+75.00 TO 12+75.00 RT., PAYMENT UNDER ITEM 621.51000015.

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	620.05	STONE FILLING (HEAVY)	CY
203.03	EMBANKMENT IN PLACE	CY	621.51000015	GRADING, CLEANING AND RESHAPING EXISTING DITCHES	LF
209.2103	SOIL STABILIZERS, CLASS IV TYPE C	SY			
304.12	SUBBASE COURSE, TYPE 2	CY			
404.0982	9.5 F2 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON			
404.2589	25 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON			
407.0102	DILUTED TACK COAT	GAL			
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF			
610.1605	TURF ESTABLISHMENT PERFORMANCE	SY			
620.0801	BEDDING MATERIAL, TYPE 1	CY			

AFFIX SEAL: ON:

ALTERED BY: ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
 ROUTE 26 OVER SCONONDOA CREEK
 SH 369 AUGUSTA RD - ORISKANY FALLS SECTION
 TOWN OF AUGUSTA
 COUNTY: ONEIDA REGION: 2

PIN 2LCL12
 BRIDGES 1080910
 CULVERTS C260106

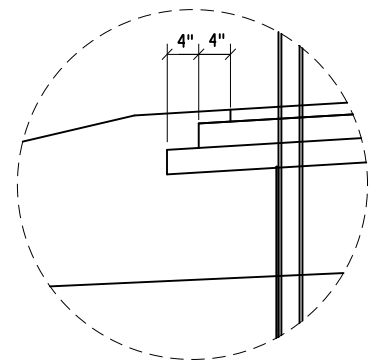
ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 SITE 4
 TYPICAL SECTIONS
 CONTRACT NUMBER D265331
 DRAWING NO. TS4-2
 SHEET NO. 82

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

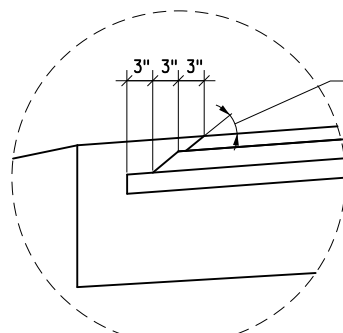


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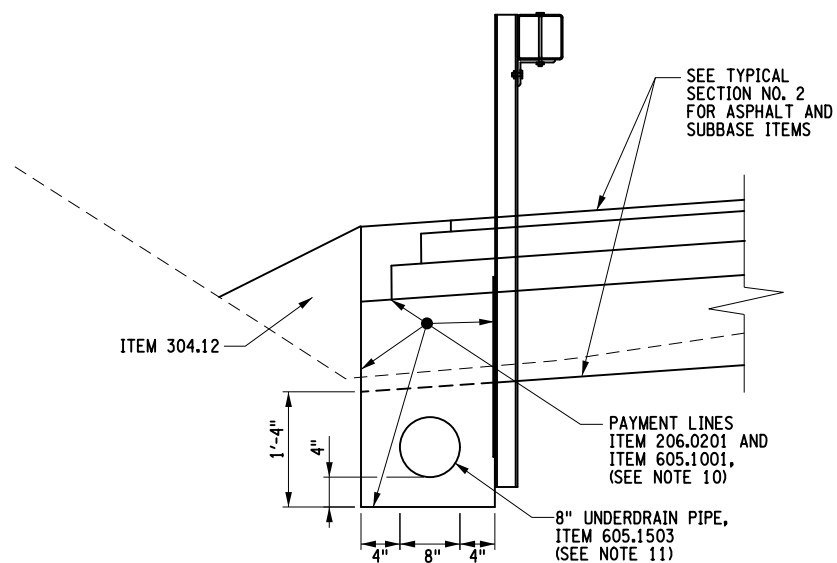
DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



PAVEMENT EDGE WITH GUIDE RAIL DETAIL

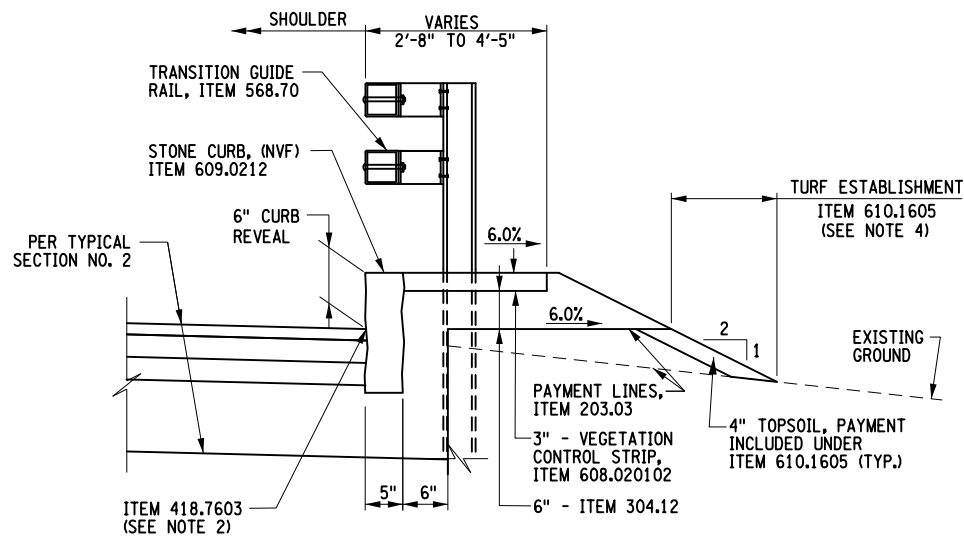


PAVEMENT EDGE DETAIL



HALF SECTION WITH EDGE DRAIN

NOT TO SCALE
 LOCATION:
 STA. 13+30.00 TO STA. 14+25.00; LT.



HALF SECTION WITH CURB AND TRANSITION RAILING

NOT TO SCALE
 LOCATIONS:
 STA. 12+82.98 TO STA 12+89.62 LT.
 STA. 13+22.24 TO STA. 13+28.80 LT.
 STA. 12+95.30 TO STA. 13+01.68 RT.
 STA. 13+33.41 TO STA. 13+40.19 RT.

NOTES:

- TACK COAT SHALL BE APPLIED BETWEEN ALL LIFTS OF ASPHALT.
- ITEM 418.7603 SHALL BE APPLIED ON ALL VERTICAL FACES FOR ALL JOINTS AND FACE OF CURB ON THE TOP COURSE ONLY.
- REFER TO DWG. PM4-1 FOR GUIDE RAIL LOCATION AND ITEM NUMBERS.
- LIMITS FOR ESTABLISHING TURF SHALL BE FROM THE OUTSIDE EDGE OF THE STABILIZED SHOULDER TO THE POINT WHERE WORK INTERSECTS THE EXISTING GROUND, A.O.B.E. WHEN IN THE JUDGMENT OF THE ENGINEER, THE SUBBASE COURSE IS UNSUITABLE FOR ESTABLISHING A SATISFACTORY STAND OF GRASS, SEEDING AND ITS PAYMENT UNDER ITEM 610.1605 SHALL NOT BE AUTHORIZED.
- SHOULDER CROSS SLOPES SHALL MATCH TRAVEL LANE CROSS SLOPES. USE 50' AT BEGINNING AND END OF PROJECT TO TRANSITION SHOULDER CROSS SLOPES TO MATCH EXISTING.
- EXCAVATION FOR UNDERDRAIN SHALL BE MADE AFTER SUBBASE COURSE HAS BEEN PLACED AND COMPACTED.
- UNDERDRAIN TO OUTLET IN EMBANKMENT AROUND STA. 13+30; LT.

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.03	EMBANKMENT IN PLACE	CY	605.1503	PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING, 8 INCH DIAMETER	LF
203.07	SELECT GRANULAR FILL	CY			
206.0201	TRENCH AND CULVERT EXCAVATION	CY	608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS, BICYCLE PATHS, AND VEGETATION CONTROL STRIPS	TON
304.12	SUBBASE COURSE, TYPE 2	CY			
407.0102	DILUTED TACK COAT	GAL	609.0212	STONE CURB, NEAR VERTICAL FACE	LF
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF	610.1605	TURF ESTABLISHMENT PERFORMANCE	SY
568.70	TRANSITION BRIDGE RAILING	LF			
605.1001	UNDERDRAIN FILTER TYPE 2	CY			

AFFIX SEAL: ON:

ALTERED BY: ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
 ROUTE 26 OVER SCONONDOA CREEK
 SH 369 AUGUSTA RD - ORISKANY FALLS SECTION
 TOWN OF AUGUSTA
 COUNTY: ONEIDA REGION: 2

PIN 2LCL1.12
 BRIDGES 1080910
 CULVERTS C260106

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 SITE 4
 TYPICAL SECTIONS

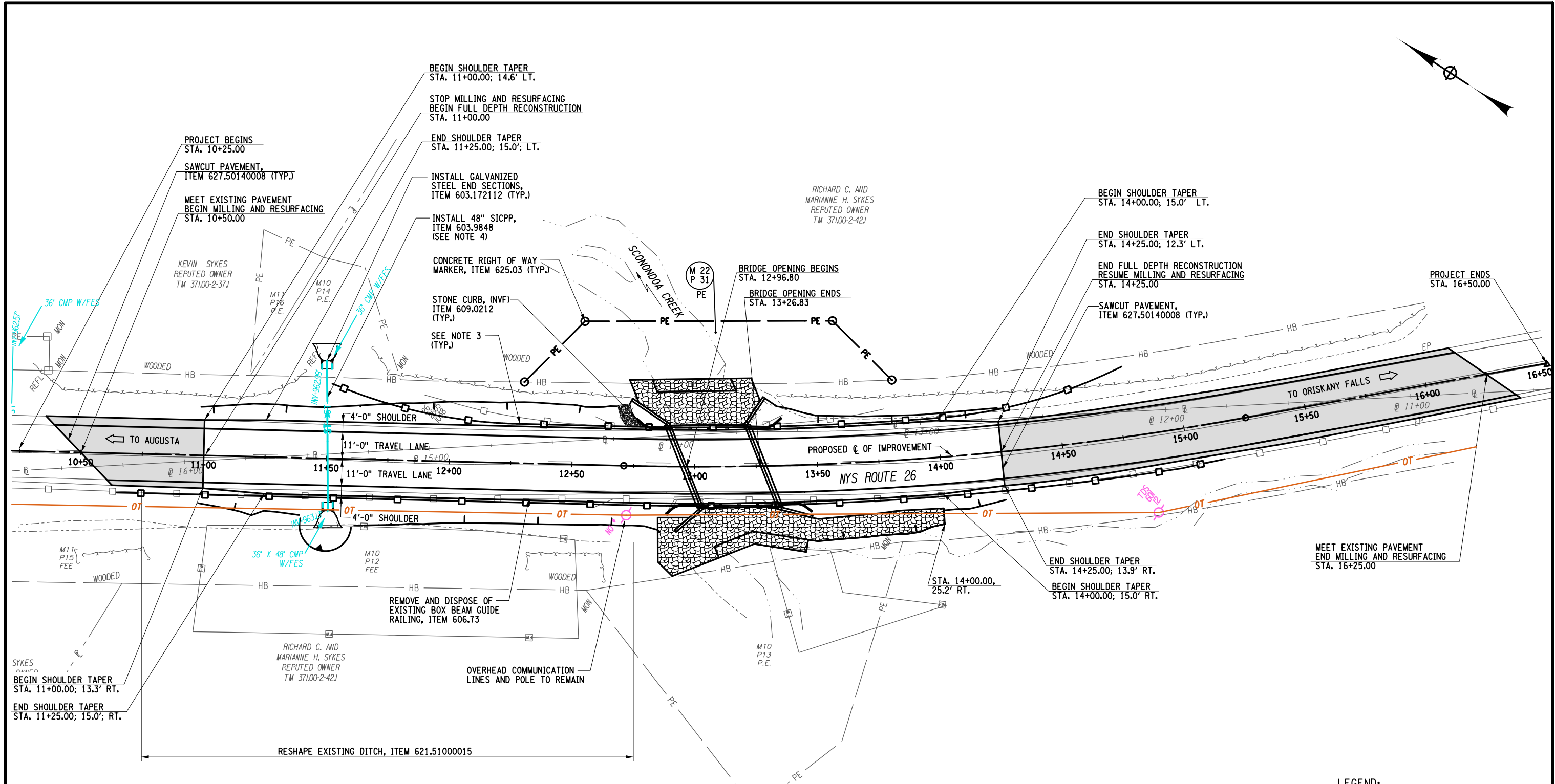
CONTRACT NUMBER D265331
 DRAWING NO. TS4-3
 SHEET NO. 83

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



FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LCL12\cpl_gnp_site_4.dgn
 DATE = 7/24/2014
 TIME = 1:44:09 PM

DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



LEGEND:

■ MILLING & RESURFACING, REFER TO TYPICAL SECTION NO. 1 ON DWG. TS4-1

20' 0 20' 40'

- NOTES:**
1. REFER TO DWG. EC4-1 FOR EROSION CONTROL MEASURES.
 2. REFER TO DWG. HC4-1 FOR HORIZONTAL ALIGNMENT CONTROL AND DWG. BLT4-1 FOR SURVEY INFORMATION, BENCHMARKS AND BASELINE TIES.
 3. REFER TO DWG. PM4-1 FOR STRIPING AND GUIDE RAIL LAYOUT INFORMATION.
 4. REFER TO DWG MD4-3 FOR DRAINAGE PIPE DETAIL AND SECTION.

AFFIX SEAL:
ON:

ALTERED BY:
ON:

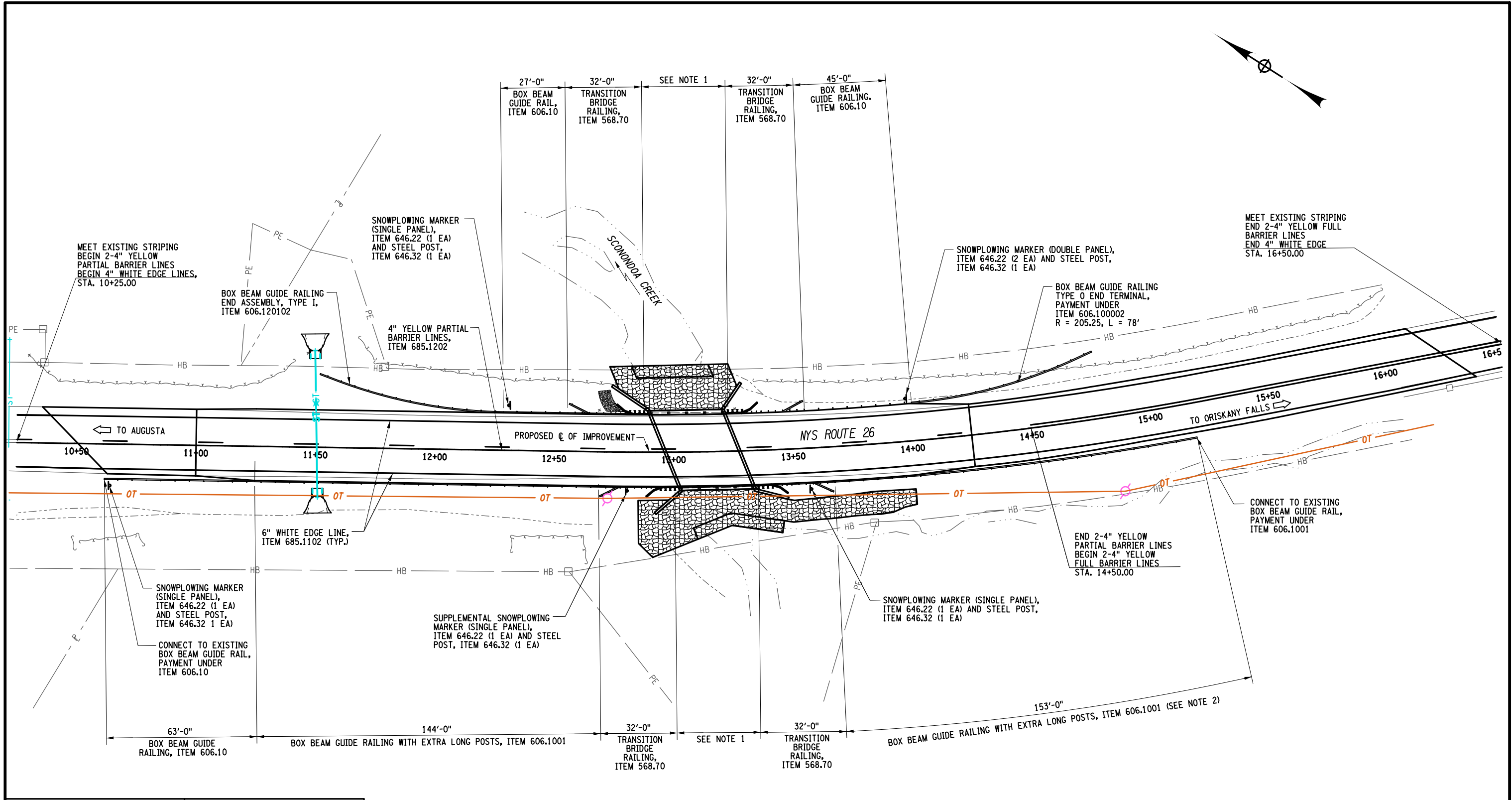
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LCL12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 26 OVER SCONONDOA CREEK	UTILITY QUALITY LEVEL D				D265331	
	SH 369 AUGUSTA RD - ORISKANY FALLS SECTION				SITE 4 GENERAL PLAN	DRAWING NO. PL4-1	
	TOWN OF AUGUSTA					SHEET NO. 84	
	COUNTY: ONEIDA	REGION: 2					

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.

NEW YORK STATE OF OPPORTUNITY
 Department of Transportation

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LCL12\cph_rlg_site 4.dgn
 DATE = 7/24/2014
 TIME = 1:44:09 PM

DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



- NOTES:
- REFER TO DWGS. ST4-7 & RL-1 TO RL-4 FOR BRIDGE RAILING DETAILS.
 - BOX BEAM GUIDE RAILING WITH EXTRA LONG POSTS SHALL BE PLACED AT 3'-0" POST SPACING FROM TRANSITION RAIL UNTIL STA. 14+00.00. POST SPACING OF 6'-0" MAY RESUME AFTER STA. 14+00.00.

AFFIX SEAL: ON: _____

ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LCL12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 26 OVER SCONONDOA CREEK					DRAWING NO. PM4-1	
	SH 369 AUGUSTA RD - ORISKANY FALLS SECTION				SITE 4 PAVEMENT MARKING AND RAILING LAYOUT	SHEET NO. 85	
	TOWN OF AUGUSTA					Department of Transportation	
	COUNTY: ONEIDA	REGION: 2					

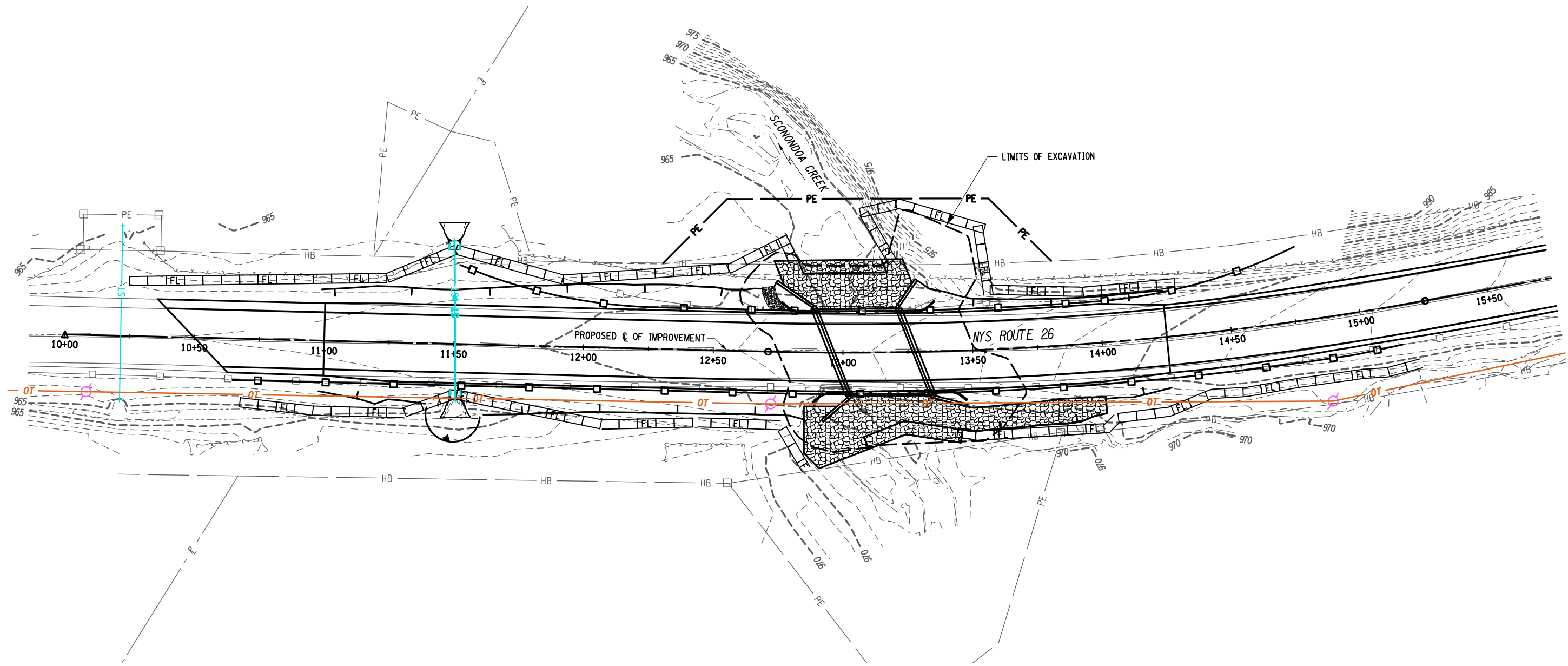
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



LEGEND

- SEDIMENT FILTER LOG - TEMPORARY, ITEM 209.2301
- LIMITS OF STRUCTURE EXCAVATION, ITEM 206.01
- STONE FILL (HEAVY), ITEM 620.05

NOTES:

1. SEE DWG. ECN-1 FOR WATER DIVERSION NOTES AND PARAMETERS, PAYMENT UNDER ITEM 553.030002.



AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 26 OVER SCONONDOA CREEK SH 369 AUGUSTA RD - ORISKANY FALLS SECTION TOWN OF AUGUSTA COUNTY: ONEIDA REGION: 2	PIN 2LCL12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B &L
SITE 4 EROSION CONTROL PLAN						DRAWING NO. ECP4-1 SHEET NO. 86	

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

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LC111.ccb.tbl.est.sht 4.dgn
 DATE = 7/24/2014
 TIME = 1:44:11 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH

INDEX		
SHEET NO.	DESCRIPTION	DRAWING NO.
87	NOTES & INDEX	ST4-1
88	BORING LOCATION PLAN	ST4-2
89	GENERAL SUBSURFACE PROFILE	ST4-3
90	BRIDGE PLAN & ELEVATION	ST4-4
91	BRIDGE TRANSVERSE SECTION	ST4-5
92	EXCAVATION PLAN	ST4-6
93	EXCAVATION SECTION	ST4-7
94	RAILING LAYOUT AND HEADWALL DETAILS	ST4-8

PRECAST CONCRETE 3-SIDED UNIT NOTES:

THE CONTRACTOR SHALL PROVIDE LOAD RATINGS IN BOTH THE LOAD FACTOR RATING (LFR) METHOD AND THE LOAD AND RESISTANCE FACTOR RATING (LRFR) METHOD. DESIGN LOADING SHALL BE HL-93, LOAD AND RESISTANCE FACTOR DESIGN STANDARDS WITH A MINIMUM LRFR INVENTORY RATING OF 1.2.

ACTUAL WALL AND TOP SLAB THICKNESS, REINFORCEMENT SIZE AND SPACING TO BE DETERMINED BY FABRICATOR'S ENGINEER. IF THE ACTUAL TOP SLAB THICKNESS IS DIFFERENT THAN THE 1'-9" ASSUMED, THEN THE LOW BEAM SHALL BE HELD.

THE LENGTH OF EACH STRUCTURE SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR.

FOR MECHANICAL CONNECTORS IN TOP SLAB, SEE DWG. ST4-8 AND RL-2.

THE 3-SIDED UNITS AT THE FASCIAS SHALL HAVE #5 THREADED INSERTS @ 1'-0" MAX. SPACING TO RECEIVE MECHANICAL CONNECTORS CENTERED FOR CLOSURE POUR REINFORCEMENT. A KEYWAY SHALL BE CONSTRUCTED OVER THE MIDDLE 2/3 HEIGHT OF THE LEG OF THE FASCIA UNITS. COST INCLUDED IN ITEM 562.0102.

SEE DWG. ST4-8 FOR RAILING LAYOUT.

ALL EXPOSED EDGES SHALL HAVE A CHAMFER OF 1".

THE ENTIRE TOP SLAB OF THE 3-SIDED UNIT SHALL BE COVERED WITH SHEET APPLIED WATERPROOFING MEMBRANE. ON THE LEGS STRIPS OF WATERPROOFING MEMBRANE SHALL BE PLACED OVER EACH OF THE JOINTS, INCLUDING THE JOINTS OF THE CLOSURE POURS.

THE FABRICATOR SHALL PROVIDE A POSITIVE CONNECTION BETWEEN THE SEGMENT WITH AN ATTACHED HEADWALL AND ITS ADJACENT SEGMENT. CONNECTION DESIGN SHALL BE BASED ON THE TL RAIL LOAD SHOWN ON THE PLANS AND PRODUCE LONGEVITY CONSISTENT WITH THE PROJECT.

THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A NYS LICENSED PROFESSIONAL ENGINEER TO DESIGN THE SUBSTRUCTURE. THE CALCULATIONS SHALL BE PREPARED, STAMPED, AND SIGNED BY A NYS PROFESSIONAL ENGINEER AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTING THE SUBSTRUCTURES. ANY COSTS ASSOCIATED WITH THE SUBSTRUCTURE DESIGN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS 562.02 & 562.03.

CONTRACTOR SHALL CUT WATERPROOFING MEMBRANE AND PLASTIC BACKING ON PREFABRICATED COMPOSITE STRUCTURAL DRAIN AT WEEP HOLE LOCATIONS.

- PRECAST 3-SIDED UNIT REINFORCEMENT COVER REQUIREMENTS:
- TOP OF PRECAST 3-SIDED UNIT 2"
 - EXPOSED FACES OF PRECAST 3-SIDED UNIT 1 1/2"
 - ALL OTHER FACES OF PRECAST 3-SIDED UNIT 2"

GENERAL NOTES:

RECORD PLANS FOR THIS STRUCTURE ARE NOT AVAILABLE.

HYDRAULIC NOTES:

THE COST OF DEWATERING THE ENTIRE EXCAVATION, REGARDLESS OF THE SOURCE OF WATER, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE EXCAVATION ITEMS).

ORDINARY HIGH- WATER IS ESTIMATED TO BE 967.7. ORDINARY HIGH-WATER IS DEFINED AS THE WATER SURFACE ELEVATION FOR THE MEAN ANNUAL FLOOD, WHICH IS THE FLOOD THAT HAS A RECURRENCE INTERVAL OF 2 YEARS.

ORDINARY WATER IS ESTIMATED TO BE 966.0. ORDINARY WATER IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (EXCLUDING 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 965.2. LOW WATER IS DEFINED AS 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.

THE 2-YEAR STORM EVENT HAS A FLOW OF 410 CFS.

LEAD NOTES:

- LOCATIONS OF LEAD:
- WHITE PAINT ON PARAPETS.

LEAD MATERIAL REMOVAL AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE PROCEDURES IDENTIFIED IN THE APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS AND IN ACCORDANCE WITH ANY BLANKET VARIANCE FROM THE NYS DEPARTMENT OF LABOR / DEPARTMENT OF TRANSPORTATION.

THE FOLLOWING SPECIFICATIONS SHALL BE USED TO IMPLEMENT AND MAINTAIN EFFECTIVE HEALTH AND SAFETY CONTROLS:


- LEAD EXPOSURE CONTROL PLAN (ITEM 570.01)
- MEDICAL TESTING (ITEM 570.02)
- PERSONAL EXPOSURE MONITORING SAMPLE ANALYSIS (ITEM 570.03)
- DECONTAMINATION FACILITIES (ITEM 570.04)
- ENVIRONMENTAL GROUND PROTECTION (ITEM 570.090001)
- ENVIRONMENTAL WATERWAY PROTECTION (ITEM 570.100001)

THE COST OF LEAD PAINT DISPOSAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR DISPOSAL OF THE ITEMS) WITH LEAD PAINT ON IT.

FOUNDATION NOTES:

UNLESS OTHERWISE SHOWN ON THE CONTRACT PLANS, REMOVE EXISTING SUBSTRUCTURES AS FOLLOWS:

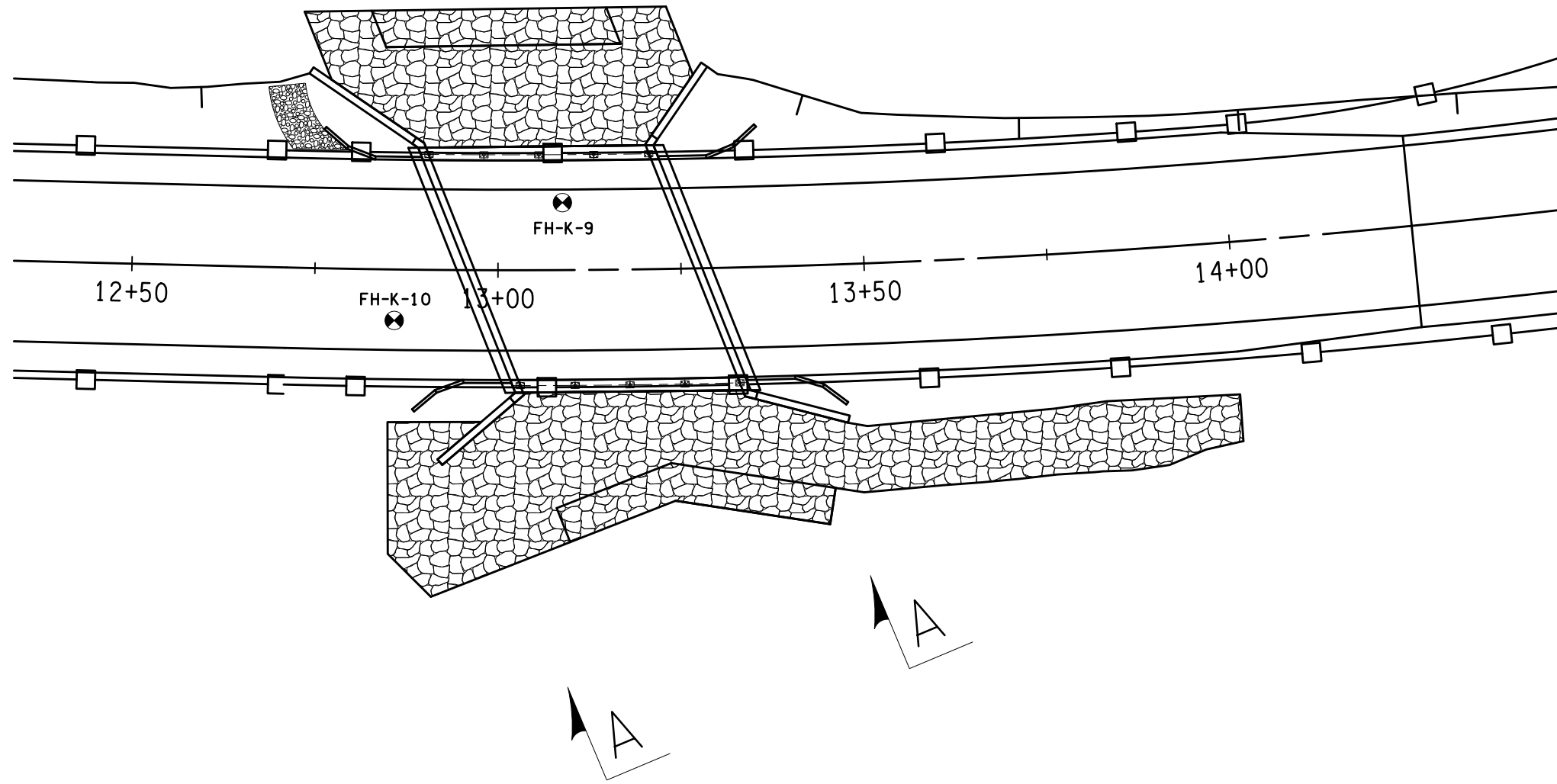
1. COMPLETELY REMOVE THE PORTION OF THE EXISTING SUBSTRUCTURE WITHIN A LATERAL LIMIT OF 3 FEET OF THE NEW SUBSTRUCTURE.
2. REMOVE THE PORTION OF THE EXISTING SUBSTRUCTURE THAT IS OUTSIDE OF THIS LATERAL LIMIT AS FOLLOWS:
 - A. EXISTING SUBSTRUCTURE LOCATED UNDER ROADWAY - REMOVE TO 2.0 FEET BELOW SUBGRADE SURFACE.
 - B. EXISTING SUBSTRUCTURE LOCATED UNDER APPROACH EMBANKMENT END SLOPE - REMOVE TO ELEVATION WHERE IT INTERSECTS THE BOTTOM OF THE STONE FILLING.
 - C. EXISTING SUBSTRUCTURE AT ALL OTHER LOCATIONS - REMOVE TO 1.0 FOOT BELOW FINISHED GRADE.

AFFIX SEAL: ON:	ALTERED BY: ON:
	

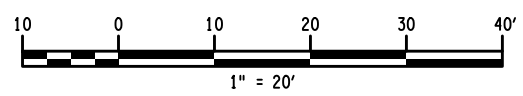
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B &L
	ROUTE 26 OVER SCONONDOA CREEK					D265331	
	SH 369 AUGUSTA RD - ORISKANY FALLS SECTION					SITE 4 NOTES & INDEX	
	TOWN OF AUGUSTA						
COUNTY: ONEIDA	REGION: 2	SHEET NO. 87					

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.





BORING LOCATION PLAN



GENERAL NOTES

- 1.) SOUND ENGINEERING JUDGMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HERE ON. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR STATE DESIGN AND ESTIMATE PURPOSES ONLY. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE STATE. THIS IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT OF THE CONTRACTOR.
- 2.) GENERAL SOIL AND ROCK (WHERE ENCOUNTERED) STRATUM DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON AN ENGINEERING INTERPRETATION OF ALL AVAILABLE SUBSURFACE INFORMATION BY THE GEOTECHNICAL ENGINEERING BUREAU AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATIONS OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE SUBSURFACE EXPLORATION LOGS.
- 3.) THE OBSERVED WATER LEVELS AND/OR CONDITIONS INDICATED ON THE SUBSURFACE PROFILES ARE AS RECORDED AT THE TIME OF EXPLORATION. ACTUAL WATER LEVELS MAY DIFFER FROM THE OBSERVED WATER LEVEL BECAUSE OF LIMITATIONS IN THE NUMBER AND DURATION OF OBSERVATIONS AND WILL VARY WITH CHANGES IN CLIMATE AND RAINFALL.
- 4.) ALL STRUCTURE DETAILS AND FOOTING ELEVATIONS SHOWN HEREON ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN ON THE CONTRACT PLANS.

LEGEND

THE FOLLOWING TABLES SUMMARIZE THE DESCRIPTIVE INFORMATION USED ON THIS PROFILE.

DENSITY (NON-PLASTIC SOILS)	NO. OF BLOWS PER FOOT OF PENETRATION OF A 2 INCH O.D. (1-3/8 INCH I.D.) SAMPLER USING A 140 LB. HAMMER, 30 INCH FALL.
Very Loose	0-4
Loose	5-10
Medium Compact	11-24
Compact	25-50
Very Compact	over 50

CONSISTENCY (PLASTIC SOILS)	
Very Soft	0-1
Soft	2-4
Medium Stiff	5-8
Stiff	9-15
Hard	16-30
	over 30

SYMBOLS

DRILL HOLE	FH
OBSERVED WATER LEVEL	
Medium Compact Brown Sandy GRAVEL Silty & Gravelly SAND Silty	
Mdium Stiff Brown Silty Clay	
Compact to Very Compact Brown/Gray Clayey SILT to Gravelly SILT Sandy & Sandy SILT Gravelly	
Very Vompact Brown/Gray Silty SAND Gravelly to Gravelly SILT Sandy	
Very Compact Gray Silty GRAVEL Sandy, Silty SAND Gravelly	

AFFIX SEAL: Hala Bashir
ON: 07/25/2024

ALTERED BY:
ON:



F.S. HEISER
DIRECTOR
GEOTECHNICAL ENGINEERING
BUREAU

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES 1080910	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331
	ROUTE 26 OVER SCONONDOA CREEK					
	S.H. 369 AUGUSTA RD - ORISKANY FALLS SECTION					
	VILLAGE OF AGUSTA					
	COUNTY: REGION: 02				BORING LOCATION PLAN	DRAWING NO. ST4-2
					ROUTE 26 OVER SCONONDOA CREEK	SHEET NO. 88

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



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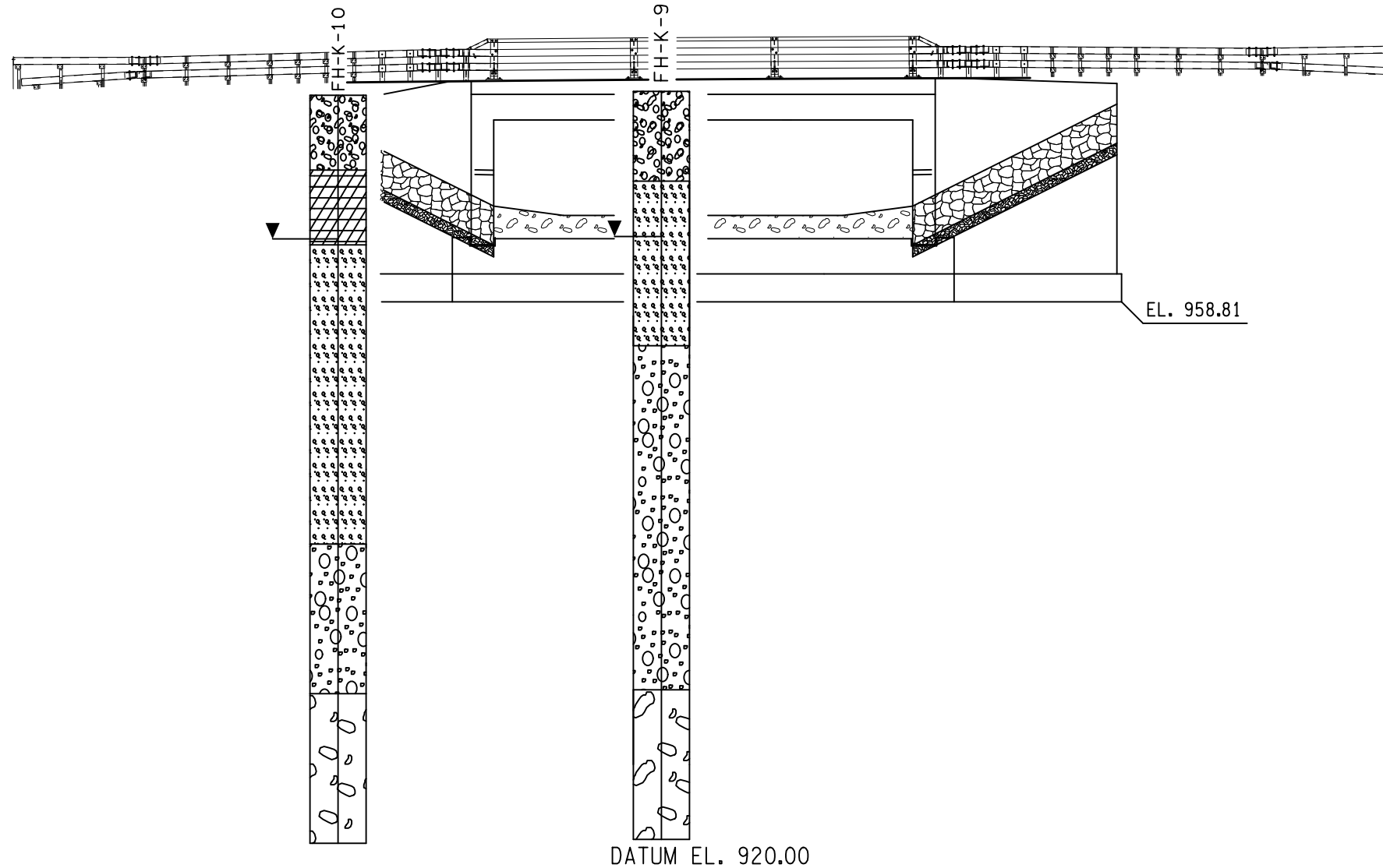
PROJECT MANAGER
 CHECK
 DRAFTING
 J.F.S.
 CHECK
 H.B.
 DESIGN
 J.J.D.
 JOB MANAGER
 DESIGN SUPERVISOR

FILE NAME = 2LC1.12_cpb_geo_gsp.dgn
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 USER = DOTJScott

DESIGN SUPERVISOR: J.J.D. DESIGN: H.B. CHECK: J.F.S. DRAFTING: J.F.S. CHECK: H.B. PROJECT MANAGER: J.F.S.

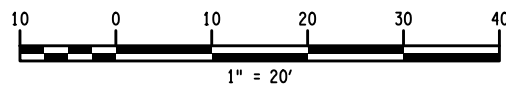
ELEVATION - ft

980.00
975.00
970.00
965.00
960.00
955.00
950.00
945.00
940.00
935.00
930.00
925.00
920.00



ELEVATION - ft

GENERAL SUBSURFACE PROFILE
ELEVATION A-A



GENERAL NOTES

- 1.) SOUND ENGINEERING JUDGMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HERE ON. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR STATE DESIGN AND ESTIMATE PURPOSES ONLY. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE STATE. THIS IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT OF THE CONTRACTOR.
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- 4.) ALL STRUCTURE DETAILS AND FOOTING ELEVATIONS SHOWN HEREON ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN ON THE CONTRACT PLANS.

LEGEND

THE FOLLOWING TABLES SUMMARIZE THE DESCRIPTIVE INFORMATION USED ON THIS PROFILE.

DENSITY (NON-PLASTIC SOILS)	NO. OF BLOWS PER FOOT OF PENETRATION OF A 2 INCH O.D. (1-3/8 INCH I.D.) SAMPLER USING A 140 LB. HAMMER, 30 INCH FALL.
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Loose	5-10
Medium Compact	11-24
Compact	25-50
Very Compact	over 50

CONSISTENCY (PLASTIC SOILS)	
Very Soft	0-1
Soft	2-4
Medium Stiff	5-8
Stiff	9-15
Very Stiff	16-30
Hard	over 30

SYMBOLS

DRILL HOLE	FH	
OBSERVED WATER LEVEL		
Medium Compact Brown Sandy GRAVEL Silty & Gravelly SAND Silty		
Medium Stiff Brown Silty CLAY		
Compact to Very Compact Brown/Gray Clayey SILT to Gravelly SILT Sandy & Sandy SILT Gravelly		
Very Compact Brown/Gray Silty SAND Gravelly to Gravelly SILT Sandy		
Very Compact Gray Silty GRAVEL Sandy, Silty SAND Gravelly		

AFFIX SEAL: Hala Bashir
ON: 07/25/2024

ALTERED BY:
ON:



F.S. HEISER
DIRECTOR
GEOTECHNICAL ENGINEERING
BUREAU

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES 1080910	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331
	ROUTE 26 OVER SCONONDOA CREEK					
	S.H. 369 AUGUSTA RD - ORISKANY FALLS SECTION					
	VILLAGE OF AUGUSTA					
COUNTY: ONEDIA	REGION: 02	GENERAL SUBSURFACE PLAN		DRAWING NO. ST4-3		
		ROUTE 26 OVER SCONONDOA CREEK		SHEET NO. 89		

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



FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2\CLC11.ccb-gen.ste 4.dgn
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 PROJECT MANAGER W. FINCH
 CHECK G. WEHBE
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK M. PATTERSON
 DESIGN D. KINSMAN
 JOB MANAGER B. TREMBLAY
 DESIGN SUPERVISOR M. SCHOOLEY

THREE SIDED UNIT STRUCTURE DESIGN DATA	
CLEAR SPAN, FT.	28.0
CLEAR RISE, FT.	6.83
FRAME RISE, FT.	8.83
* MIN. FILL HEIGHT, FT.	0.33
* MAX. FILL HEIGHT, FT.	1.34
FASCIA SKEW ANGLE, DEG.	21°
LIVE LOAD	HL93 W/LRFR INV. FACTOR ≥ 1.2
** RAILING/ BARRIER TEST LOAD	TL-4

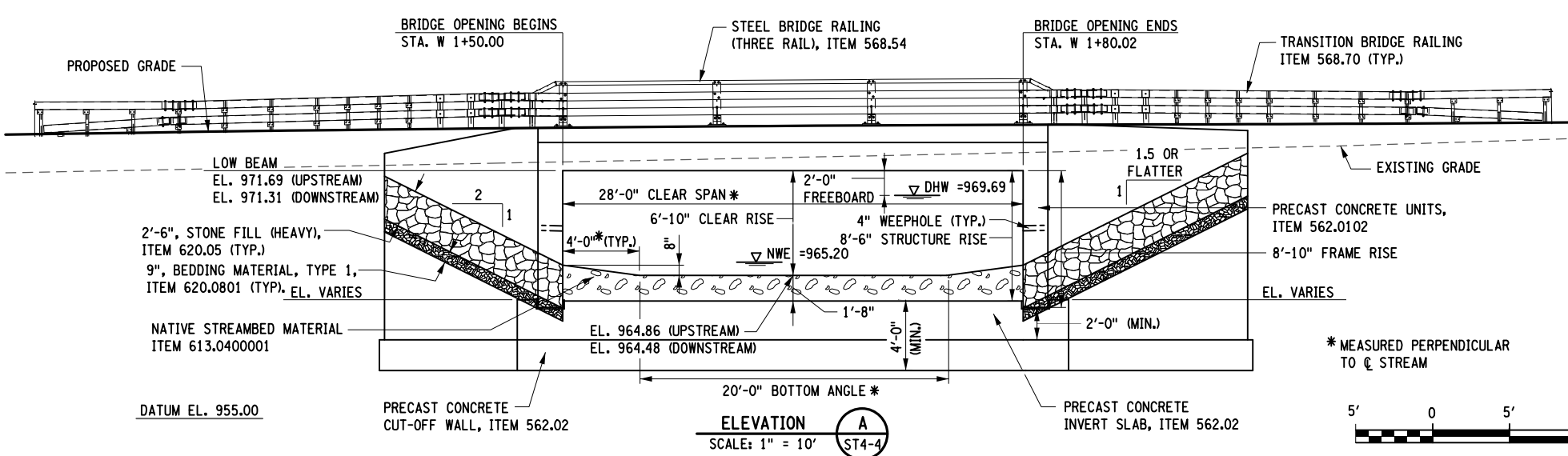
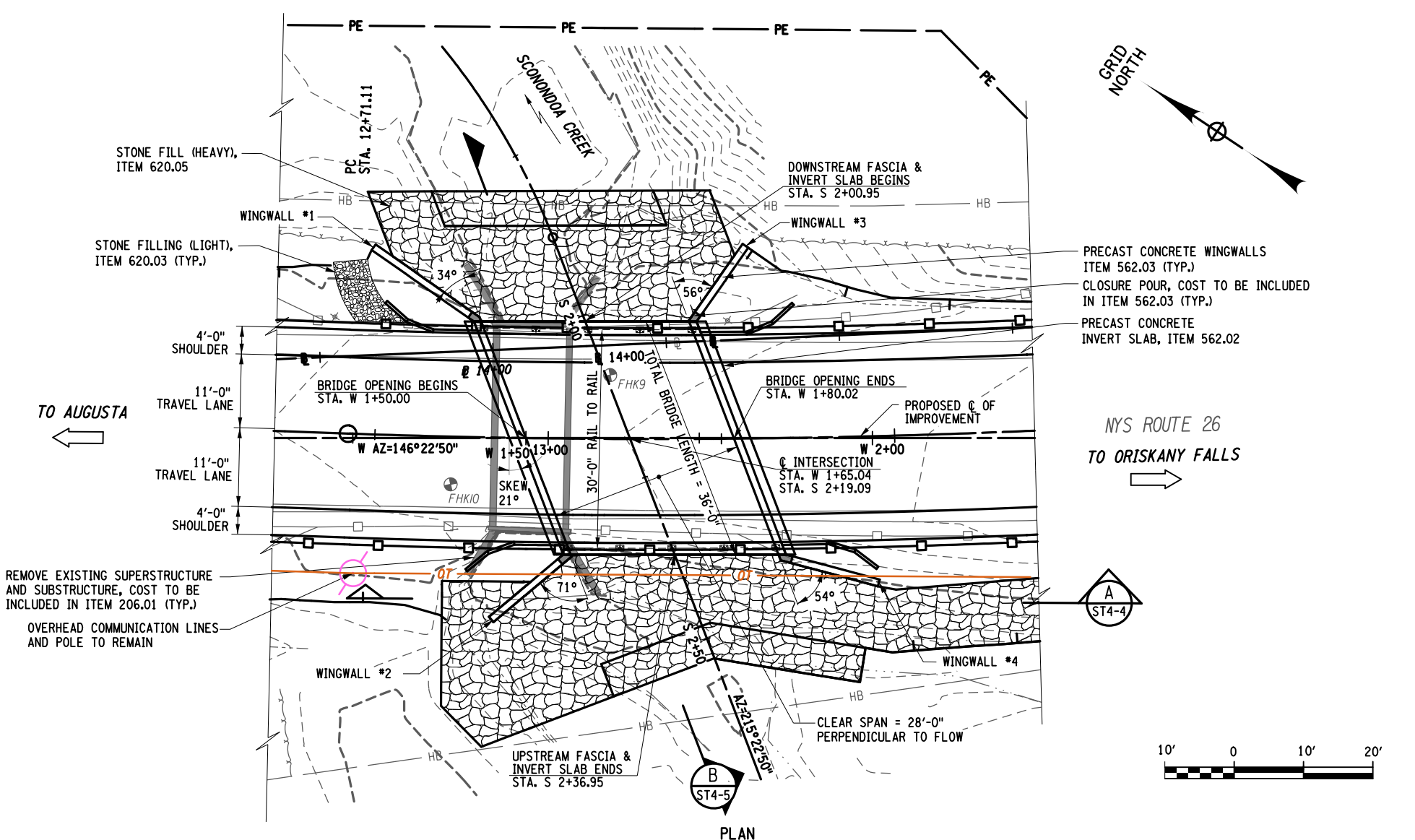
* BASED ON ASSUMED TOP SLAB THICKNESS OF 1'-9" AND ASSUMED LEG THICKNESS OF 1'-0". FABRICATOR SHALL ADJUST BASED ON ACTUAL TOP SLAB THICKNESS, MEASURED FROM THE TOP OF THE TOP SLAB TO THE TOP OF THE PAVEMENT.
 ** THE FABRICATOR SHALL PROVIDE A POSITIVE CONNECTION BETWEEN THE SEGMENT WITH AN ATTACHED HEADWALL AND ITS ADJACENT SEGMENT. CONNECTION DESIGN SHALL BE BASED ON THE TL RAIL LOAD SHOWN ON THE PLANS AND PRODUCE LONGEVITY CONSISTENT WITH THE PROJECT.

HYDRAULIC DATA			
DRAINAGE AREA (mi ²)	5.0	BASIC FLOOD	DESIGN FLOOD
RECURRENCE INTERVAL (YEARS)		100	50
PEAK DISCHARGE (ft ³ /sec)		1452	1284
HIGH WATER ELEVATION AT POINT OF MAX BACKWATER	EXISTING	971.98	971.88
	PROPOSED	970.28	969.69
AVG. VELOCITY THRU STRUCT. @ DESIGN FLOOD (ft/sec)			9.79

THE PROPOSED STRUCTURE SHALL PROVIDE 2 FT. FREEBOARD AT THE UPSTREAM FASCIA, A MINIMUM HYDRAULIC AREA (MEASURED PERPENDICULAR TO THE FLOW) OF 133 SQ. FT. BELOW THE DESIGN HIGH WATER ELEVATION OF 969.69. THE MINIMUM CLEAR SPAN SHALL BE 28 FT. PERPENDICULAR TO FLOW. A CLEAR SPAN EXCEEDING THIS MORE THAN 10% SHALL REQUIRE THE CONCURRENCE OF THE REGIONAL HYDRAULICS ENGINEER OR THE OFFICE OF STRUCTURE'S HYDRAULIC ENGINEERING UNIT.

LOAD RATING (LFD)		
INVENTORY	HS	TONS
OPERATING	HS	TONS
LRFR RATING FACTORS		
INVENTORY	HL-93	LRFR 1.2 OR GREATER
OPERATING	HL-93	

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



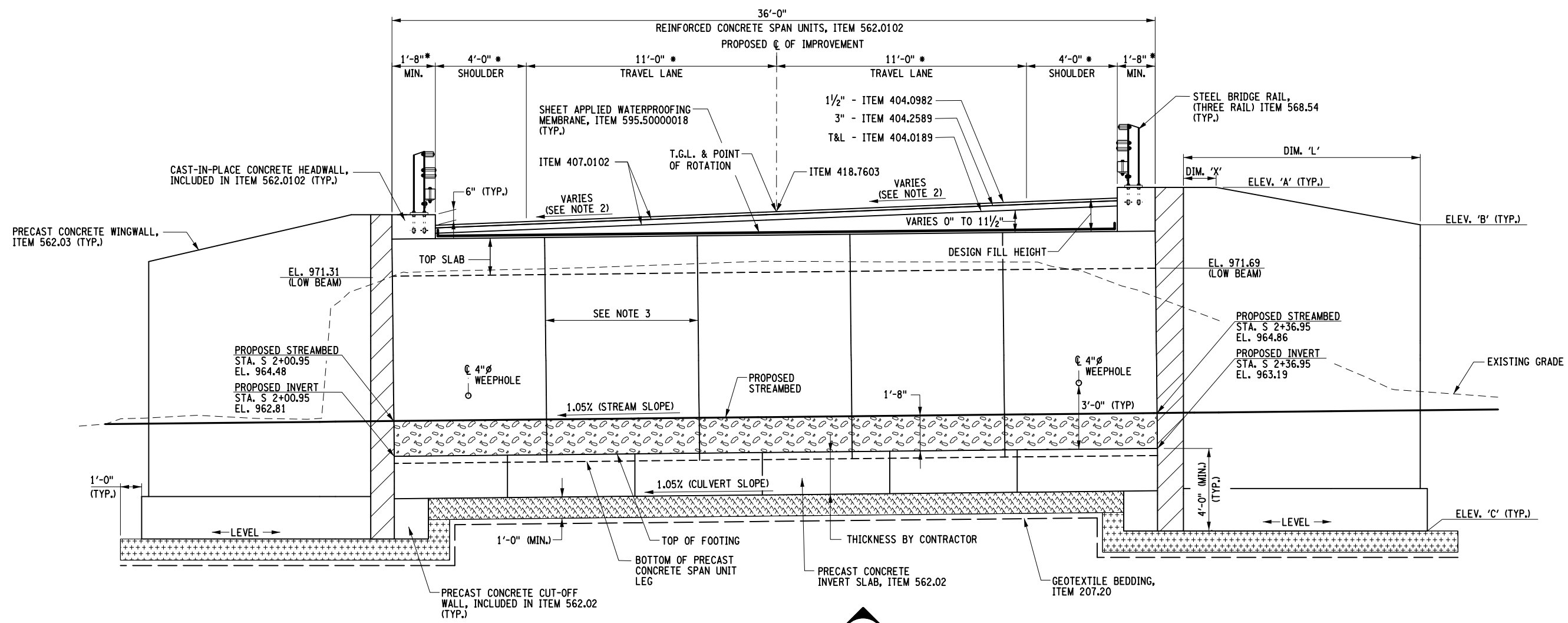
AFFIX SEAL ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 26 OVER SCONONDOA CREEK SH 369 AUGUSTA RD - ORISKANY FALLS SECTION TOWN OF AUGUSTA COUNTY: ONEIDA REGION: 2	PIN ZLCL12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
					SITE 4 BRIDGE PLAN & ELEVATION	DRAWING NO. ST4-4 SHEET NO. 90	
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.							

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LCL11.ccb_sec.trn.ste 4.dgn
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



PROPOSED BRIDGE SECTION B
 SCALE: 3/16" = 1'-0"

GEOTECHNICAL WINGWALL DESIGN DATA

FRICTION ANGLE OF SOIL RETAINED BY THE WALL (DEGREES)	FRICTION ANGLE OF FOUNDATION SOIL (DEGREES)	TOTAL SOIL UNIT WEIGHT (lb/ft ³)	MAXIMUM SERVICE LIMIT STATE BEARING RESISTANCE (kip/ft ²)	NOMINAL COEFFICIENT OF FRICTION FOR SLIDING	STRENGTH LIMIT STATE RESISTANCE FACTOR FOR SLIDING	STRENGTH LIMIT STATE RESISTANCE FACTOR FOR BEARING
34	34	120	4.0	0.54	0.90	0.45

- FOR THE SLIDING AND ECCENTRICITY ANALYSES, ASSUME A GROUND WATER ELEVATION OF 968 FEET.
- FOR THE BEARING ANALYSES, ASSUME A GROUNDWATER ELEVATION OF 959 FEET.
- USE SUBMERGED UNIT WEIGHTS BELOW THE GROUNDWATER ELEVATIONS PROVIDED.
- ASSUME A SURCHARGE LOAD OF 250 POUNDS PER SQUARE FOOT.

WINGWALL DATA

LOCATION	ELEVATION A	ELEVATION B	ELEVATION C	DIMENSION "X"	DIMENSION "L"
BG LT. WINGWALL 1	973.90	970.75	958.81	1'-0"	17'-0"
BG RT. WINGWALL 2	975.06	971.00	959.19	1'-0"	13'-0"
ED LT. WINGWALL 3	974.02	971.25	958.81	1'-0"	12'-0"
ED RT. WINGWALL 4	975.26	975.26	959.19	13'-0"	13'-0"

DIMENSION "X" MEASURED ALONG FRONT FACE OF WINGWALL. FOR LOCATION OF ELEVATIONS A, B, AND C, SEE THIS DWG.

ASSUMED UNFACTORED SPAN UNIT REACTIONS

VERTICAL kip/ft.	DC	6.82
	DW	0.31
LL	6.62	
HORIZONTAL kip/ft.	DC	1.55
	DW	0.09
	LL	1.52
	EH	-2.25

DOES NOT INCLUDE SELF WEIGHT OF FOOTING

LEGEND:

- NATIVE STREAMBED MATERIAL, ITEM 613.04000001
- STONE FILLING (HEAVY) ITEM 620.05
- SUBBASE, TYPE 2, ITEM 304.12 COST TO BE INCLUDED IN THE ASSOCIATED PRECAST ITEMS, 562.02 AND 562.03
- CRUSHED MATERIAL LEVELING BED, MEETING THE REQUIREMENTS OF MATERIAL DESIGNATION 703-02, CONSISTING OF A MIXTURE OF STONE SIZE DESIGNATIONS 1 AND 2, COST TO BE INCLUDED IN ITEM 562.0102

NOTES:

- * MEASURED PERPENDICULAR TO PROPOSED ϕ OF IMPROVEMENT. ALL OTHER MEASUREMENTS ARE TAKEN ALONG THE ϕ STREAM.
- CROSS SLOPE VARIES, SEE SUPERELEVATION DIAGRAM ON DWG. PR4-1.
- THE LENGTH OF EACH CULVERT SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR.

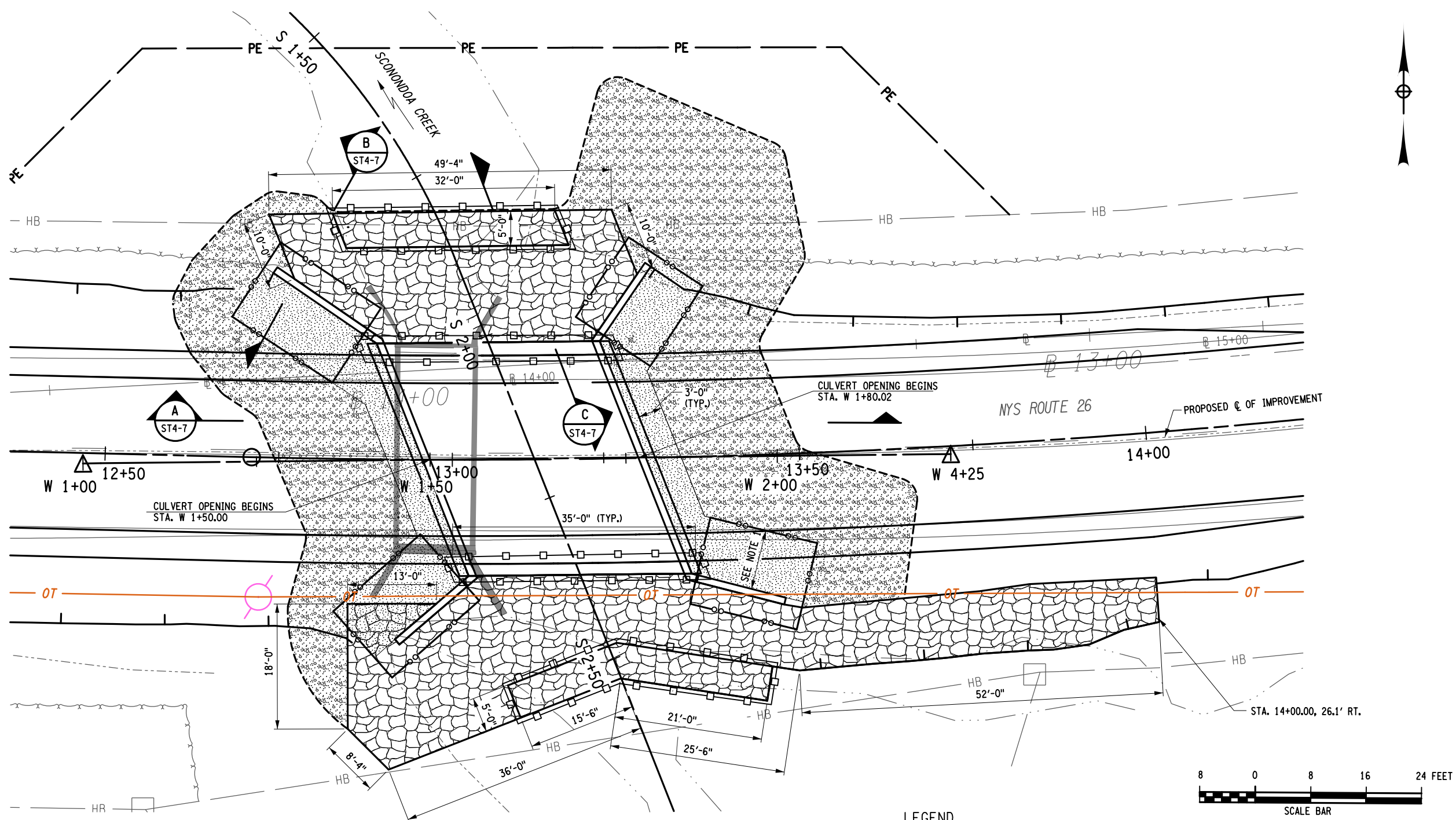
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ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 26 OVER SCONONDOA CREEK SH 369 AUGUSTA RD - ORISKANY FALLS SECTION TOWN OF AUGUSTA COUNTY: ONEIDA REGION: 2	PIN 2LCL12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
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.					SITE 4	DRAWING NO. ST4-5	
BRIDGE TRANSVERSE SECTION						SHEET NO. 91	Department of Transportation

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LCL12\cpl_err.plm.sst 4.dgn
 DATE = 7/24/04
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



EXCAVATION PLAN

NOTES:

- REFER TO BD-CB2 FOR LIMITS OF SELECT FILL BASED ON WALL TYPE PROVIDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE APPROPRIATE SEQUENCE FOR THE CULVERT REPLACEMENT WHILE MAINTAINING THE FLOW OF TRIBUTARY OF SCONONDOA CREEK. DEWATERING OF THE SITE SHALL BE PERFORMED FOLLOWING THE REQUIREMENTS OF §553 OF THE NYS DOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE A DRY SITE, REGARDLESS OF THE SOURCE OF WATER, SUITABLE FOR INSTALLATION OF THE CONCRETE AND EARTHWORK ITEMS, COST TO BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
- REFER TO DWG. ECP4-1 FOR EROSION CONTROL AND WATER CONTROL ITEMS.

LEGEND

- STONE FILL (HEAVY), ITEM 620.05
- REMOVAL OF SUPERSTRUCTURE & SUBSTRUCTURES, ITEM 206.01
- SELECT STRUCTURE FILL, ITEM 203.21
- EMBANKMENT IN PLACE, ITEM 203.03
- LIMITS OF STRUCTURE EXCAVATION, ITEM 206.01
- TRENCH AND CULVERT EXCAVATION ITEM 206.0201
- WITHIN THESE LINES, EXCAVATE AND BACKFILL IN ACCORDANCE WITH THE ITEMS INDICATED. PAYMENT FOR ALL ITEMS WITHIN THESE LINES SHALL BE INCLUDED IN THE PRICE BID FOR THE PRECAST WINGWALL, ITEM 562.03.

AFFIX SEAL: ON: _____

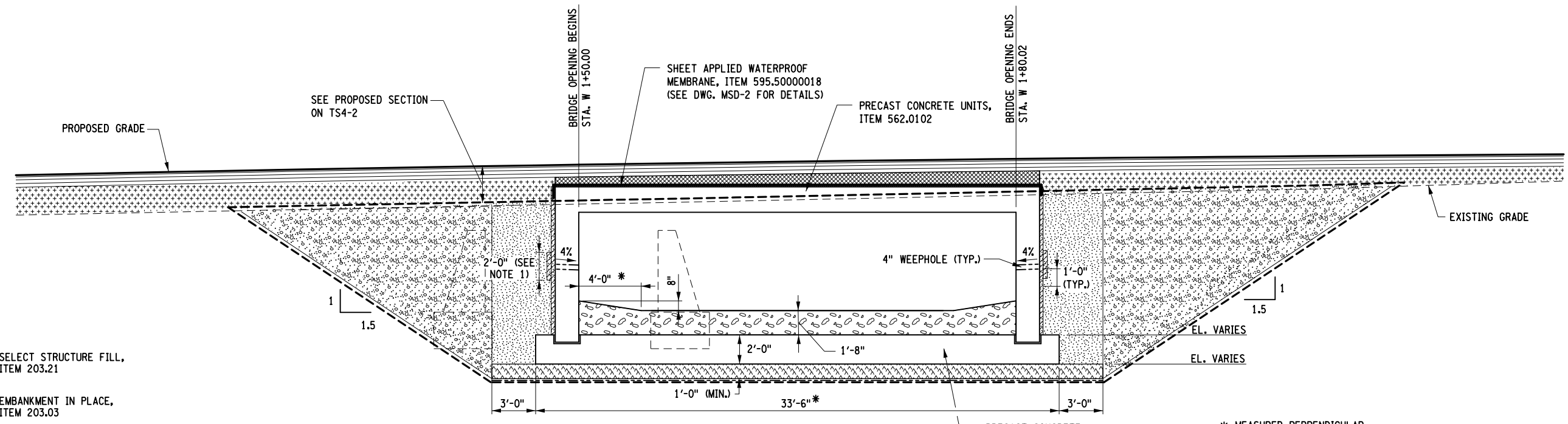
ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 26 OVER SCONONDOA CREEK SH 369 AUGUSTA RD - ORISKANY FALLS SECTION TOWN OF AUGUSTA COUNTY: ONEIDA REGION: 2	PIN 2LCL12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
					SITE 4 EXCAVATION PLAN	DRAWING NO. ST4-6 SHEET NO. 92	

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

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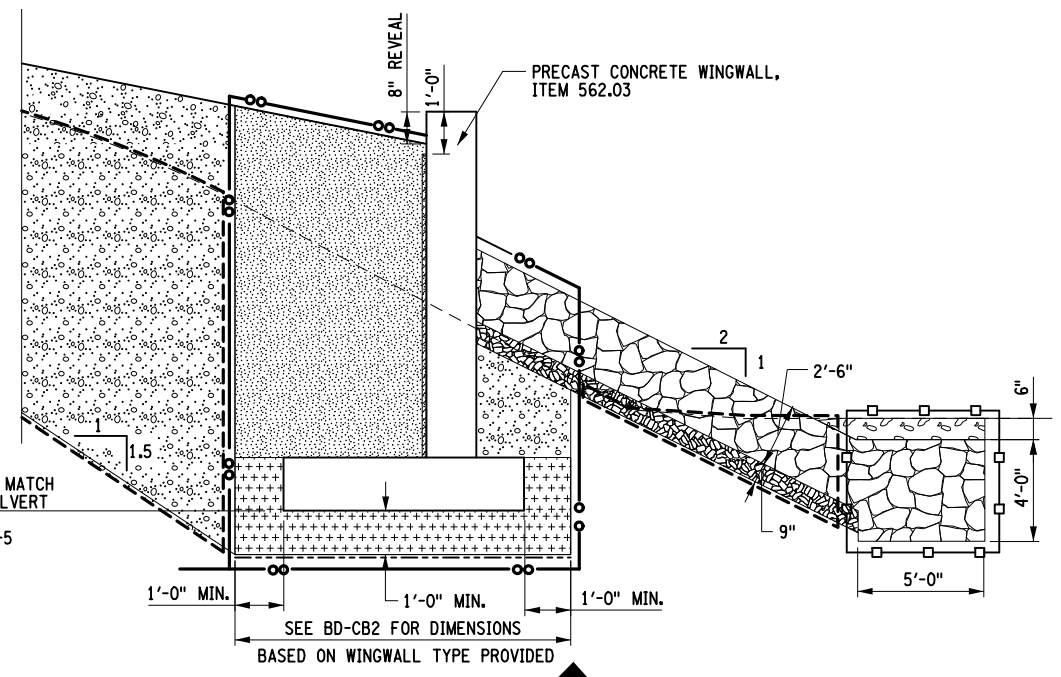
DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



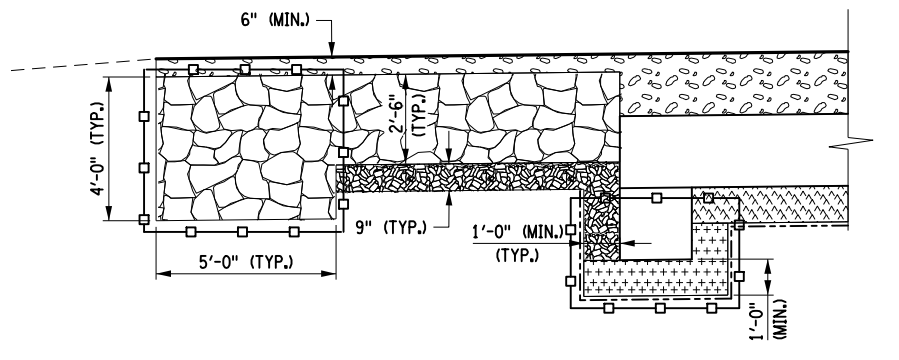
LEGEND

- SELECT STRUCTURE FILL, ITEM 203.21
- EMBANKMENT IN PLACE, ITEM 203.03
- NATIVE STREAMBED MATERIAL, ITEM 613.04000001
- SUBBASE, TYPE 2, ITEM 304.12, COST TO BE INCLUDED IN THE ASSOCIATED PRECAST ITEMS
- STONE FILLING (HEAVY), ITEM 620.05
- BEDDING MATERIAL (TYPE 1), ITEM 620.0801
- CRUSHED MATERIAL LEVELING BED, MEETING THE REQUIREMENTS OF MATERIAL DESIGNATION 703-02, CONSISTING OF A MIXTURE OF STONE SIZE DESIGNATIONS 1 AND 2, COST TO BE INCLUDED IN ITEM 562.0102
- STRUCTURE EXCAVATION, ITEM 206.01
- TRENCH & CULVERT EXCAVATION ITEM 206.0201
- WITHIN THESE LINES, EXCAVATE AND BACKFILL IN ACCORDANCE WITH THE ITEMS INDICATED. PAYMENT FOR ALL ITEMS WITHIN THESE LINES SHALL BE INCLUDED IN THE PRICE BID FOR THE PRECAST WINGWALLS ITEM 562.03
- COMPOSITE STRUCTURAL DRAIN, ITEM 207.26 (TYP.)
- GEOTEXTILE BEDDING ITEM 207.20

SECTION A
 SCALE: 1/4" = 1'-0" ST4-6



SECTION B
 SCALE: 3/16" = 1'-0" ST4-6



TYPICAL INLET AND OUTLET PROTECTION SECTION C
 SCALE: 3/16" = 1'-0" ST4-6

NOTES

1. DRAINS WITH AN IMPERMEABLE CORE SHALL HAVE THE IMPERMEABLE PORTION REMOVED AT WEEPHOLE LOCATIONS WITHOUT DAMAGING THE GEOTEXTILE. ALL WEEPHOLE LOCATIONS SHALL BE REINFORCED BY AN ADDITIONAL 2'X2' SECTION OF STRUCTURAL DRAIN PLACED ON THE SOIL SIDE.

AFFIX SEAL: ON: _____

ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LCL1.12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 26 OVER SCONONDOA CREEK					D265331	
	SH 369 AUGUSTA RD - ORISKANY FALLS SECTION					SITE 4	
	TOWN OF AUGUSTA					DRAWING NO. ST4-7	
COUNTY: ONEIDA	REGION: 2					SHEET NO. 93	

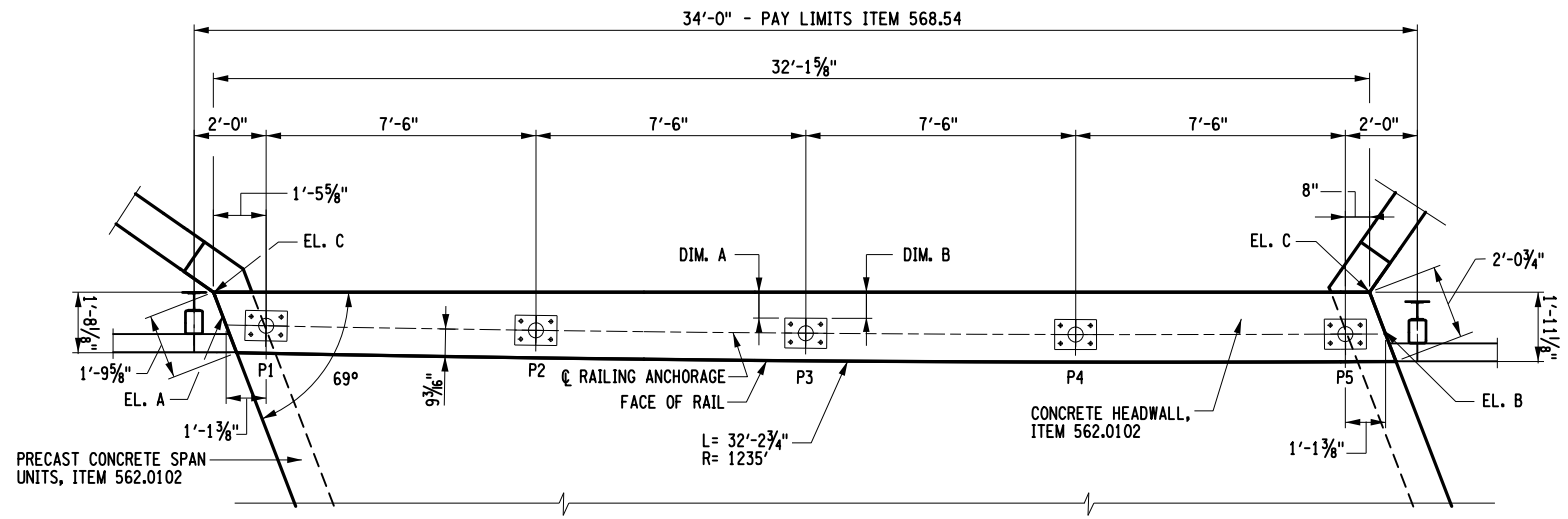
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LCL11.ccb_rlg_site 4.dgn
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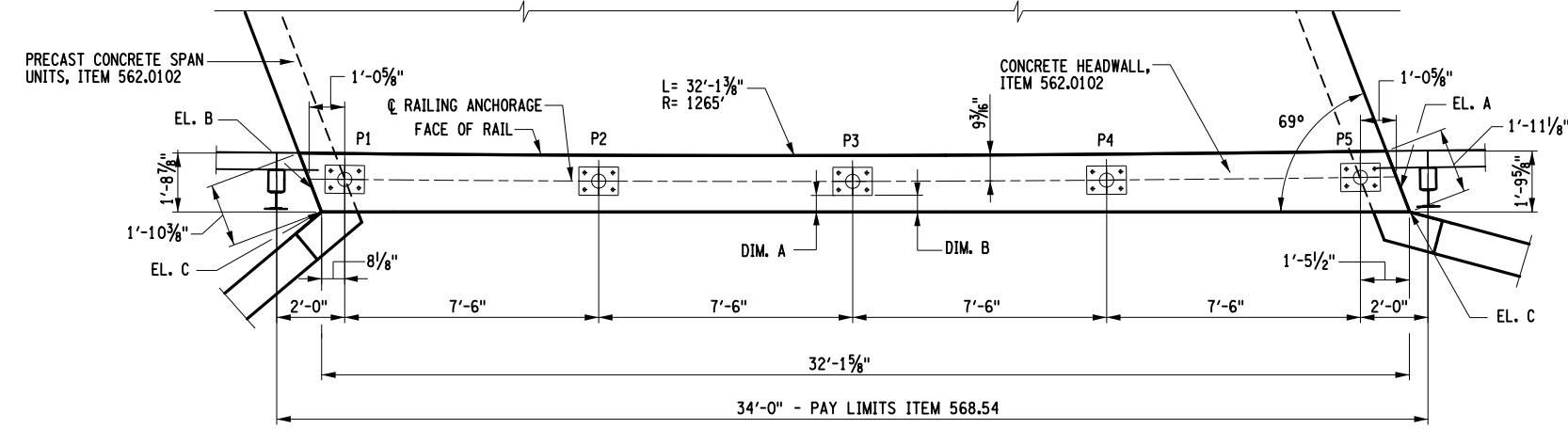
DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH

HEADWALL DATA			
LOCATION	ELEVATION A	ELEVATION B	ELEVATION C
LT. HEADWALL	973.90	974.02	973.06
RT. HEADWALL	975.26	975.06	973.44

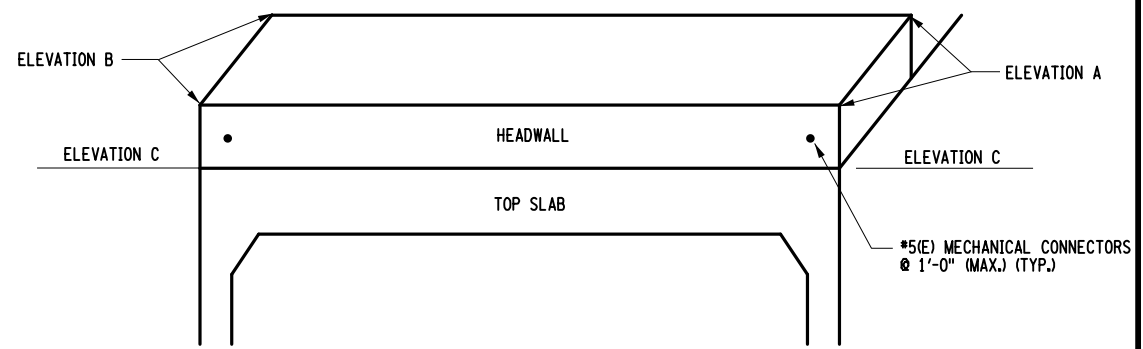
BASED ON 1'-9" TOP SLAB THICKNESS IF TOP SLAB VARIES CONTRACTOR SHALL ADJUST ELEVATIONS



LEFT RAILING ANCHORAGE PLAN
SCALE: 3/16" = 1'-0"



RIGHT RAILING ANCHORAGE PLAN
SCALE: 3/16" = 1'-0"

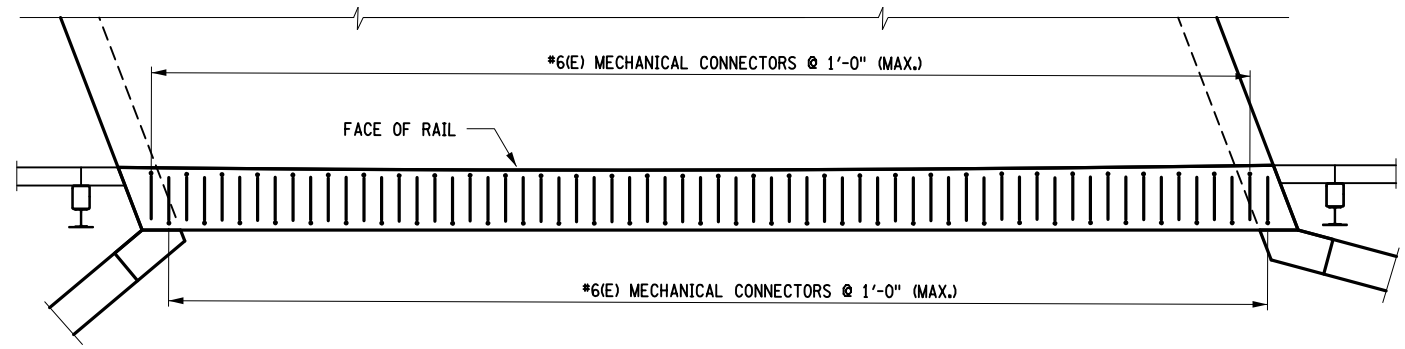


HEADWALL ELEVATION
NTS
RT. HEADWALL SHOWN, LT. HEADWALL SIMILAR

- NOTES:
- HEADWALL DIMENSIONS ARE BASED ON ASSUMED LEG THICKNESS OF 1'-0". IF LEG DIMENSION DIFFERS, DIMENSIONS WILL NEED TO BE ADJUSTED ACCORDINGLY.
 - ALL HEADWALL REINFORCEMENT SHALL BE EPOXY COATED IN ACCORDANCE WITH ITEM 556.0202. COST TO BE INCLUDED IN ITEM 562.0102.

PLATE NO.	LT. FASCIA		RT. FASCIA	
	DIM. A	DIM. B	DIM. A	DIM. B
P1 - BEGIN	6"	6 3/8"	6 5/8"	6 1/2"
P2	7 5/8"	7 3/4"	6"	5 7/8"
P3	8 5/8"	8 3/4"	5 7/8"	5 7/8"
P4	9 1/8"	9 1/8"	6 1/4"	6 3/8"
P5 - END	9"	9"	7 1/8"	7 3/8"

ANCHOR PLATE NOTES:
1. DIM. A & DIM. B ARE MEASURED PERPENDICULAR TO THE FASCIA.



TYPICAL MECHANICAL CONNECTORS PLAN
RIGHT SHOWN, LEFT SIMILAR
SCALE: 3/16" = 1'-0"

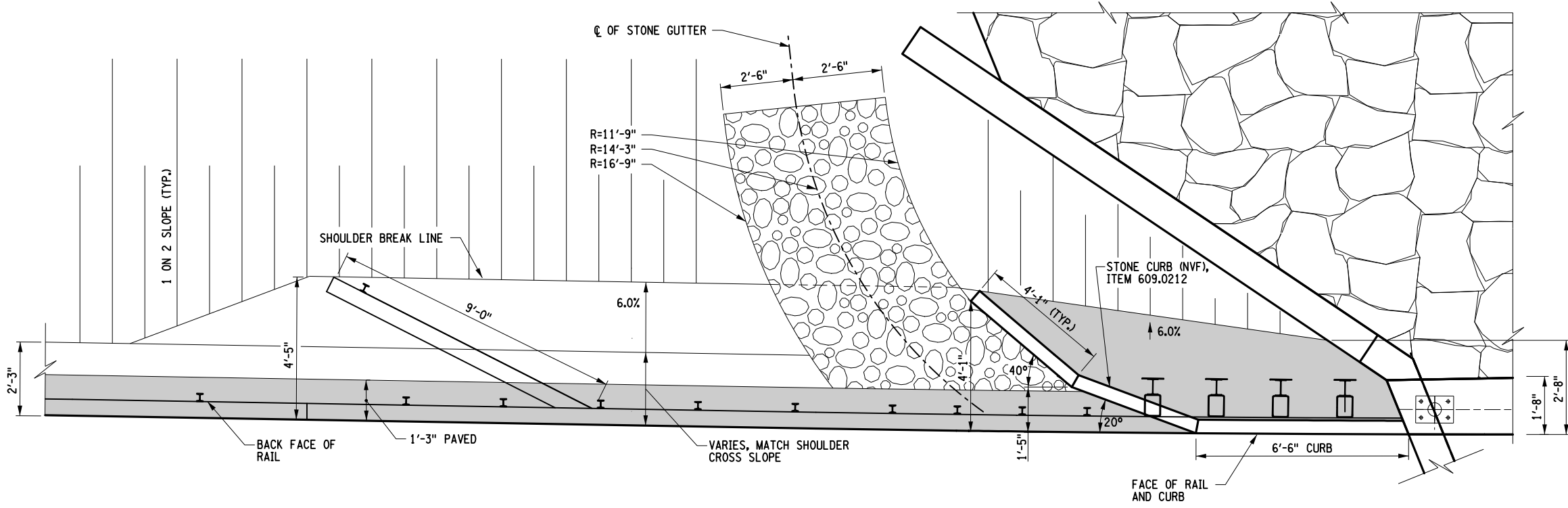
AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LCL12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	ROUTE 26 OVER SCONONDOA CREEK					SITE 4 RAILING LAYOUT AND REINFORCEMENT PLAN	
	SH 369 AUGUSTA RD - ORISKANY FALLS SECTION					SHEET NO. 94	
	TOWN OF AUGUSTA	REGION: 2					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.							

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\21C111.cpl_msd.01.ste 4.dgn
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



TYPICAL LAYOUT OF DRAINAGE CURBING AND STONE GUTTER
 NTS

1. STONE GUTTER ON BEGIN LEFT ONLY.
2. END RIGHT CARRY 6% ASPHALT BEHIND CURB ALL THE WAY TO THE BACK OF WINGWALL.

LEGEND
 [Shaded Box] PAVED AREA, REFER TO TYPICAL SECTIONS FOR DETAILS

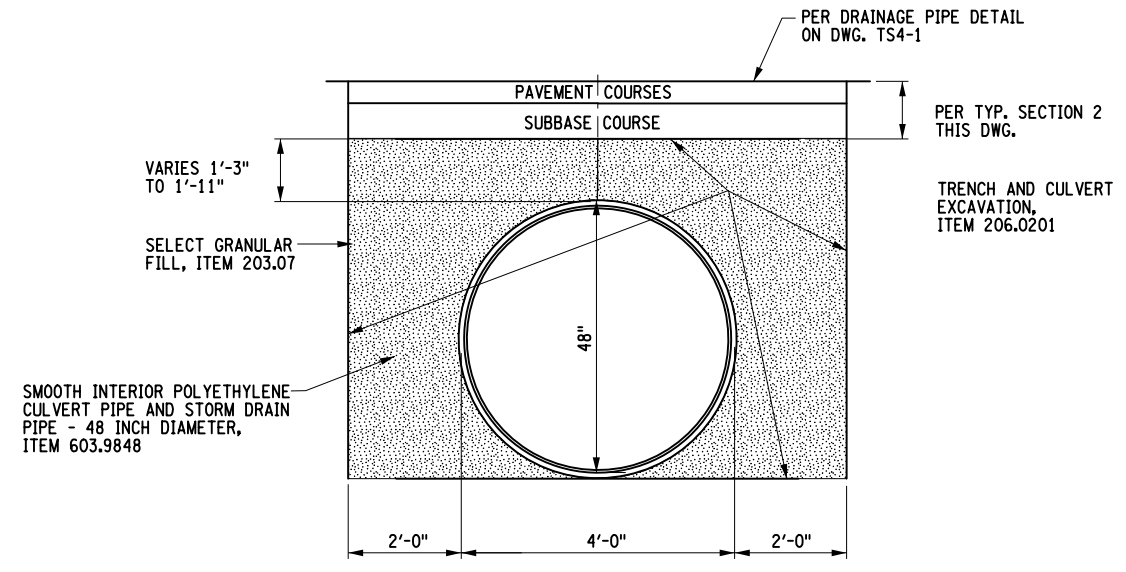
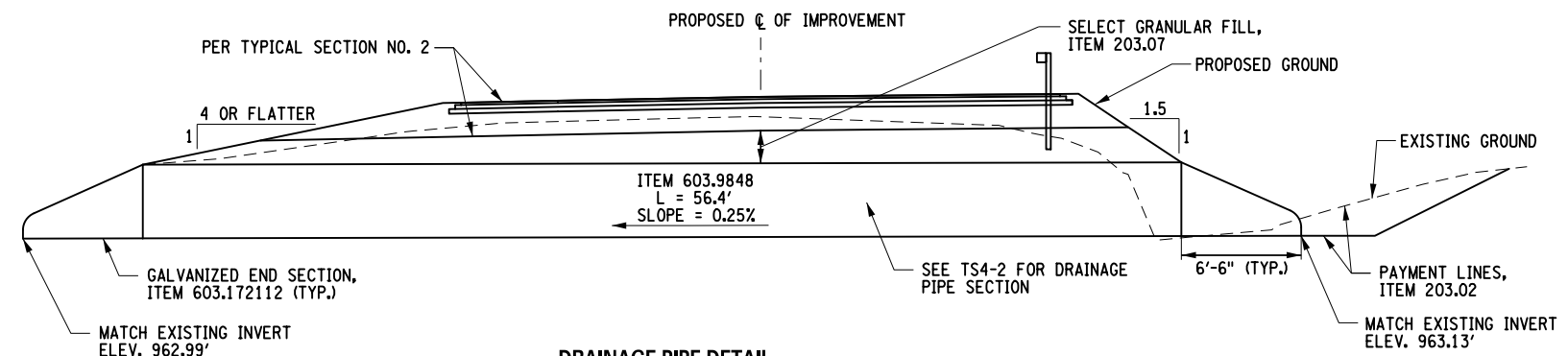
AFFIX SEAL:
 ON:


ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 21C1.12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 26 OVER SCONONDOA CREEK					D265331	
	SH 369 AUGUSTA RD - ORISKANY FALLS SECTION				SITE 4	DRAWING NO.	MSD4-1
	TOWN OF AUGUSTA				MISCELLANEOUS DETAILS	SHEET NO.	95
	COUNTY: ONEIDA	REGION: 2					
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						Department of Transportation	


FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 4 - C260106\2LCL11.cpl_msd.02.sht 4.dgn
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



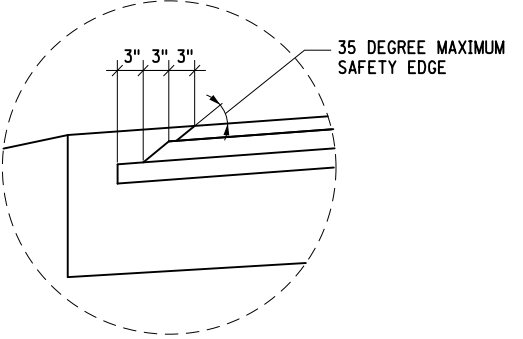
AFFIX SEAL: ON: 

ALTERED BY: ON:

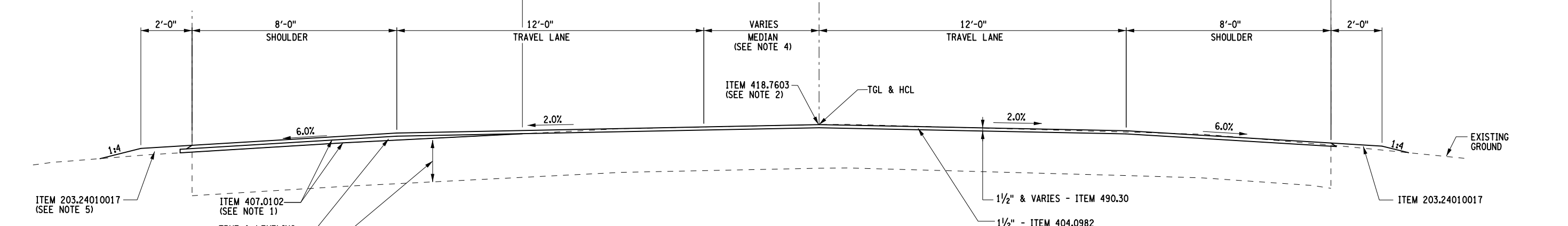
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LCL12	BRIDGES 1080910	CULVERTS C260106	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B &L
	ROUTE 26 OVER SCONONDOA CREEK					D265331	
	SH 369 AUGUSTA RD - ORISKANY FALLS SECTION				SITE 4	DRAWING NO.	MSD4-2
	TOWN OF AUGUSTA				MISCELLANEOUS DETAILS	SHEET NO.	96
	COUNTY: ONEIDA REGION: 2						
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FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116.2\CL11.cph.tup.ste 6.dgn
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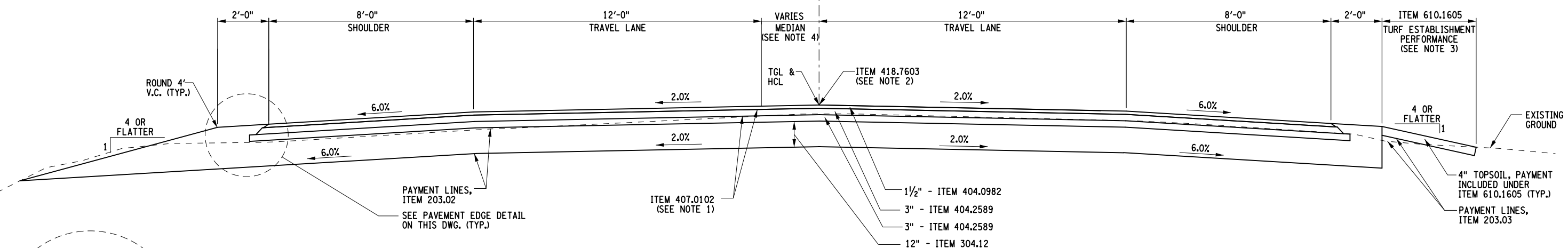
DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



PAVEMENT EDGE DETAIL



TYPICAL SECTION NO. 1
NYS ROUTE 5B
MILLING AND RESURFACING
 NOT TO SCALE
 LOCATION:
 STA. 10+25.00 TO STA. 11+75.00
 STA. 13+25.00 TO STA. 14+69.00



TYPICAL SECTION NO. 2
NYS ROUTE 5B
FULL DEPTH RECONSTRUCTION
 NOT TO SCALE
 LOCATION:
 STA. 11+75.00 TO STA. 13+25.00
 (REFER TO DWG. ST6-5 FOR PAVING OVER THE CULVERT)

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
203.03	EMBANKMENT IN PLACE	CY	490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
203.24010017	SHOULDER BACKUP MATERIAL	TON	610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY
304.12	SUBBASE COURSE, TYPE 2	CY			
404.0189	TRUING & LEVELING F9, ASPHALT, 80 SERIES COMPACTION	TON			
404.0982	9.5 F2 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON			
404.2589	25 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON			
407.0102	DILUTED TACK COAT	GAL			

- NOTES:**
- TACK COAT SHALL BE APPLIED BETWEEN ALL LIFTS OF ASPHALT AND ON TOP OF MILLED PAVEMENT.
 - ITEM 418.7603 SHALL BE APPLIED ON ALL VERTICAL FACES FOR ALL JOINTS ON THE TOP COURSE ONLY.
 - LIMITS FOR ESTABLISHING TURF SHALL BE FROM THE OUTSIDE EDGE OF THE STABILIZED SHOULDER TO THE POINT WHERE WORK INTERSECTS THE EXISTING GROUND, A.O.B.E. WHEN IN THE JUDGEMENT OF THE ENGINEER, THE SUBBASE COURSE IS UNSUITABLE FOR ESTABLISHING A SATISFACTORY STAND OF GRASS, SEEDING AND ITS PAYMENT UNDER ITEM 610.1601 SHALL NOT BE AUTHORIZED.
 - REFER TO GENERAL PLAN FOR MEDIAN WIDTH AND TAPER LOCATIONS.
 - ITEM 203.24010017 SHOULDER BACKUP SHALL BE OPTION B ONLY (TYPE 2 SUBBASE). APPROVED MATERIAL NEEDS TO BE STOCKPILES AND TESTED IN ACCORDANCE WITH GCP-17 PROCEDURES.



AFFIX SEAL:
ON:

ALTERED BY:
ON:

AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
 ROUTE 5B OVER TRIBUTARY OF MUD CREEK
 SH 54-2
 TOWN OF NEW HARTFORD
 COUNTY: ONEIDA REGION: 2

PIN 2LC1.12
 BRIDGES
 CULVERT C260116

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 SITE 6
 TYPICAL SECTIONS

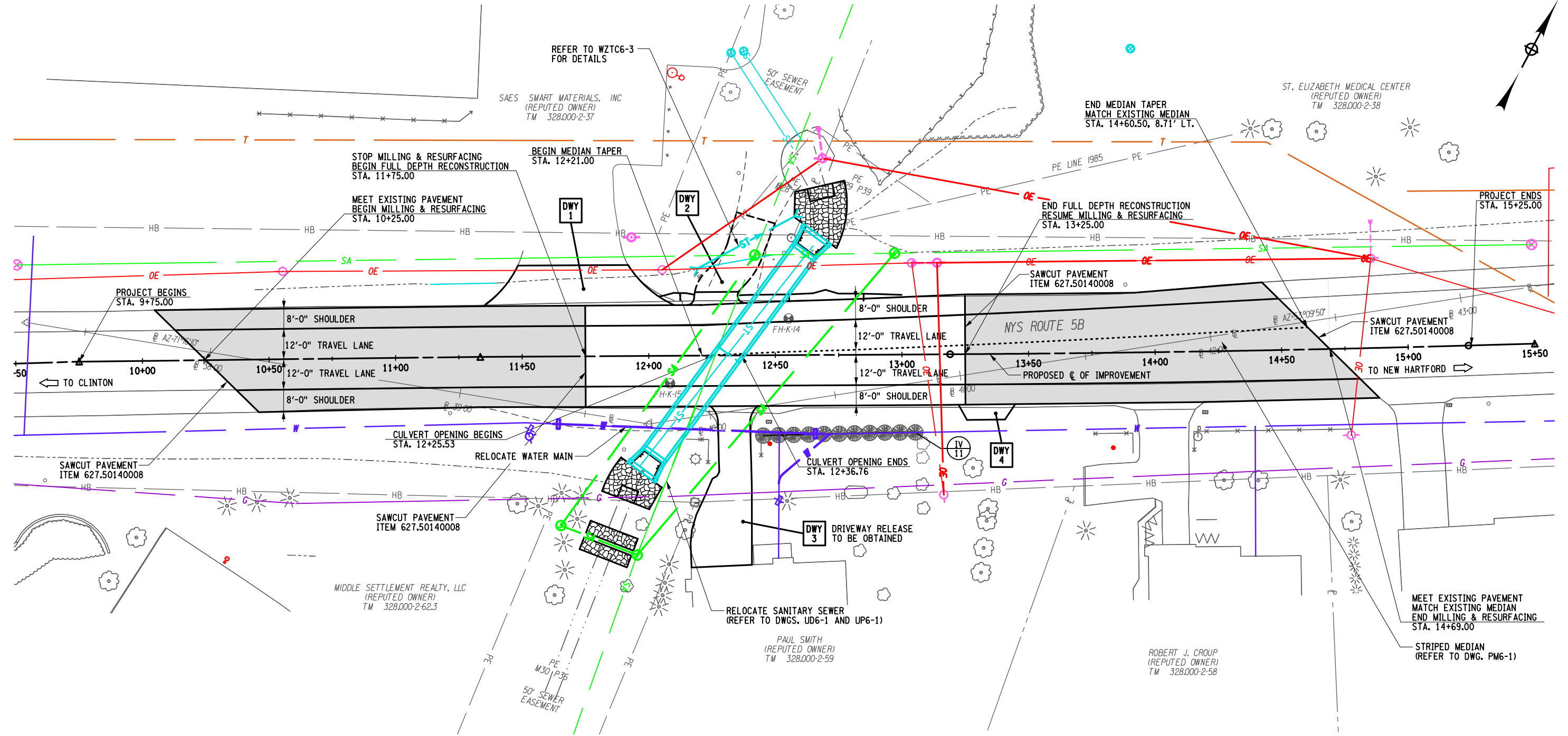
CONTRACT NUMBER D265331
 DRAWING NO. TS6-1
 SHEET NO. 97

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



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 DATE = 7/24/2024
 TIME = 1:44:20 PM

DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



- NOTES:**
- REFER TO DWG. EC6-1 FOR EROSION CONTROL MEASURES.
 - REFER TO DWG. HC6-1 FOR HORIZONTAL ALIGNMENT CONTROL AND DWG. BLT6-1 FOR SURVEY INFORMATION, BENCHMARKS AND BASELINE TIES.
 - REFER TO DWG. PM6-1 FOR STRIPING INFORMATION.
 - REFER TO DWG. UP6-1 FOR UTILITY RELOCATION INFORMATION.
 - DRIVEWAY RECONSTRUCTION OUTSIDE OF THE HIGHWAY BOUNDARY SHALL BE PERFORMED UNDER DRIVEWAY RELEASE(S).

- LEGEND:**
- MILLING & RESURFACING, REFER TO TYPICAL SECTION NO. 1 ON DWG. TS6-1
 - PLANTING SYMBOL - CONTRACTOR TO COORDINATE PLACEMENT OF SHRUBS WITH PROPERTY OWNER

PLANT LIST

QTY	KEY	LATIN NAME	COMMON NAME	SIZE	ROOTS	COMMENTS
PLANTING - DECIDUOUS SHRUBS - (ITEM 611.0412)						
11	IV	Ilex Verticillata 'Jim Dandy/Red Sprite'	Winterberry	3-4' Ht.	#5 Cont.	Provide both male and female versions



AFFIX SEAL: ON:

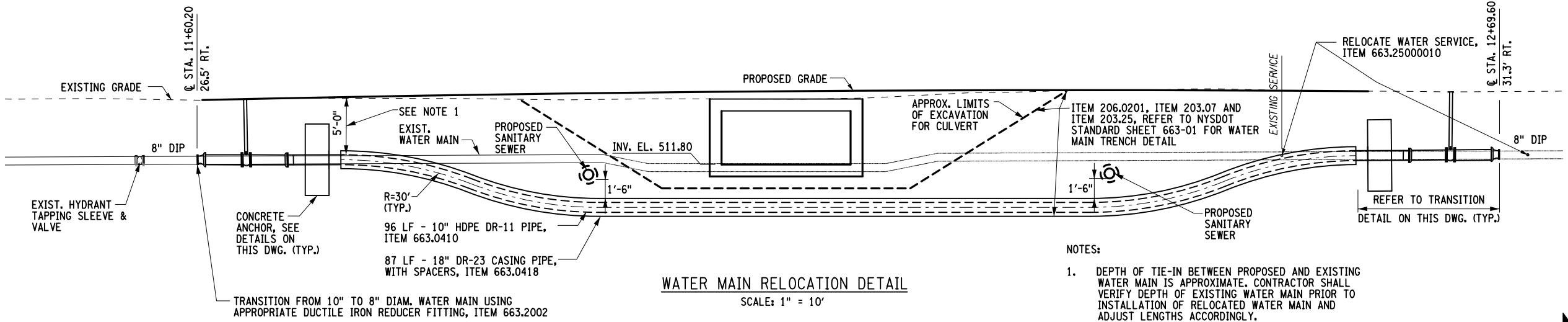
ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 5B OVER TRIBUTARY OF MUD CREEK	PIN 2LC1.12 UTILITY QUALITY LEVEL D	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
	SH 54-2				SITE 6 GENERAL PLAN	DRAWING NO. PL6-1	
	TOWN OF NEW HARTFORD					SHEET NO. 98	
	COUNTY: ONEIDA	REGION: 2					

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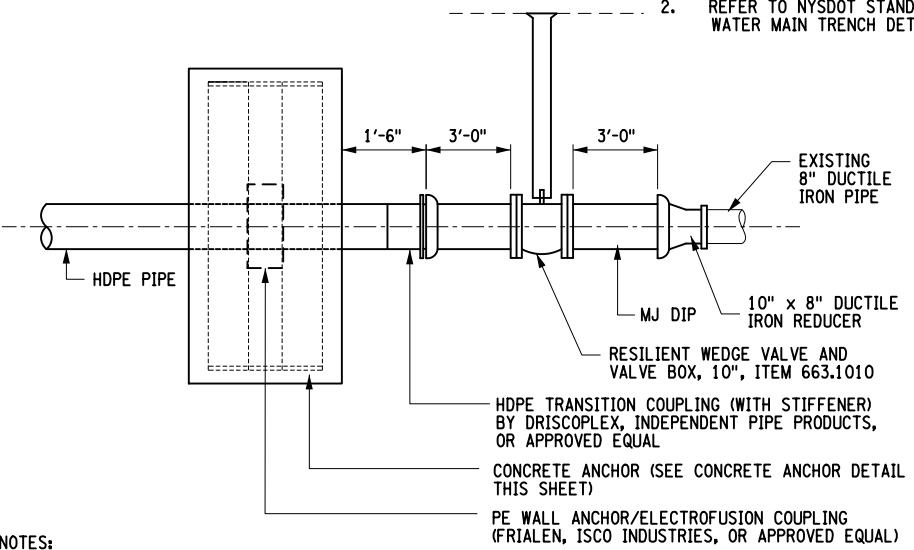
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 DATE = 7/24/2024
 TIME = 1:44:21 PM
 DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



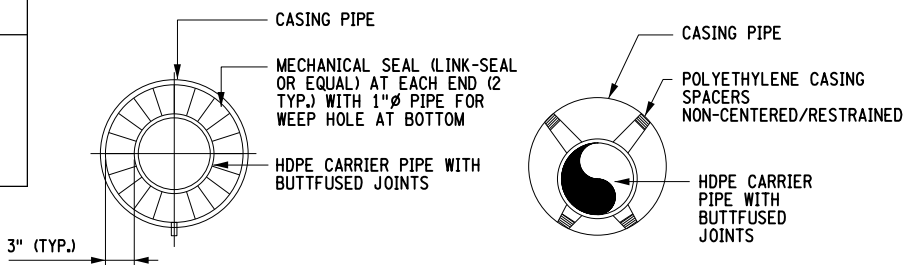
- NOTES:
- DEPTH OF TIE-IN BETWEEN PROPOSED AND EXISTING WATER MAIN IS APPROXIMATE. CONTRACTOR SHALL VERIFY DEPTH OF EXISTING WATER MAIN PRIOR TO INSTALLATION OF RELOCATED WATER MAIN AND ADJUST LENGTHS ACCORDINGLY.
 - REFER TO NYS DOT STANDARD SHEET 663-01 FOR WATER MAIN TRENCH DETAIL.

WATER NOTES

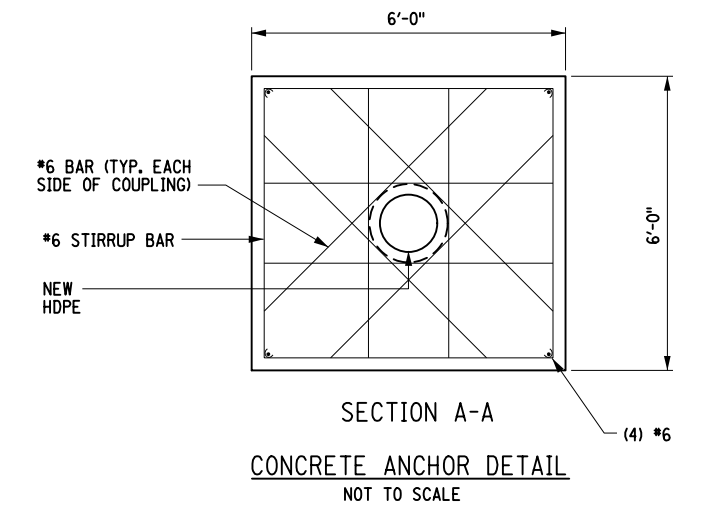
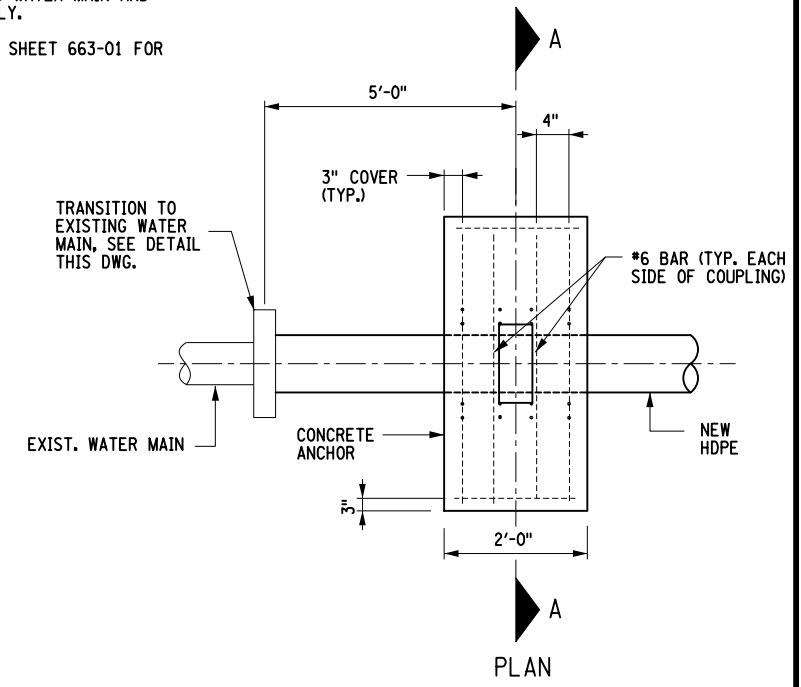
WN #	STATION	OFFSET	DESCRIPTION OF WORK	CY	CY	CY	SF	FT	FT	FT	EA	LB	EA	EA	EA
1	11+60	26.5' RT	TIE INTO EXISTING WATER MAIN, INSTALL MEGALUG, INSTALL 10"X8" REDUCER, INSTALL MEGALUG, INSTALL 3 FT. OF 10" DUCTILE IRON WATER MAIN, INSTALL MEGALUG, INSTALL RESILIENT WEDGE VALVE, INSTALL MEGALUG, INSTALL 3 FT. OF 10" DUCTILE IRON WATER MAIN, INSTALL MEGALUG AND HDPE TRANSITION COUPLING, INSTALL 96 FT. OF 10" DR-11 HDPE WITHIN 18" DR-23 CASING, INSTALL MEGALUG AND HDPE TRANSITION COUPLING, INSTALL 3 FT. OF 10" DUCTILE IRON WATER MAIN, INSTALL MEGALUG, INSTALL RESILIENT WEDGE VALVE, INSTALL MEGALUG, INSTALL 3 FT. OF 10" DUCTILE IRON WATER MAIN, INSTALL MEGALUG, INSTALL 10"X8" REDUCER, INSTALL MEGALUG, TIE INTO EXISTING WATER MAIN	98.5	34.1	138.4	1788.6	12	96	87	2	108	2	10	
2	12+51	30.8' RT	RELOCATE EXISTING WATER SERVICE												1



- NOTES:
- CONCRETE ANCHOR SHALL BE INSTALLED ON SUITABLE SOIL THAT PROVIDES ADEQUATE SUPPORT FOR ANCHOR. FIELD LOCATION FOR CONCRETE ANCHOR SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
 - ALL COSTS ASSOCIATED WITH CONCRETE ANCHOR SHALL BE INCLUDED IN ITEM 663.0410.



- NOTES:
- CASING SPACERS SHALL BE PLACED AT INTERVALS AS RECOMMENDED BY MANUFACTURER.
 - DE-BURR HDPE PRIOR TO INSTALLATION OF SPACERS



AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 5B OVER TRIBUTARY OF MUD CREEK SH 54-2 TOWN OF NEW HARTFORD COUNTY: ONEIDA REGION: 2	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
SITE 6 UTILITY DETAILS					DRAWING NO. UD6-1 SHEET NO. 99		

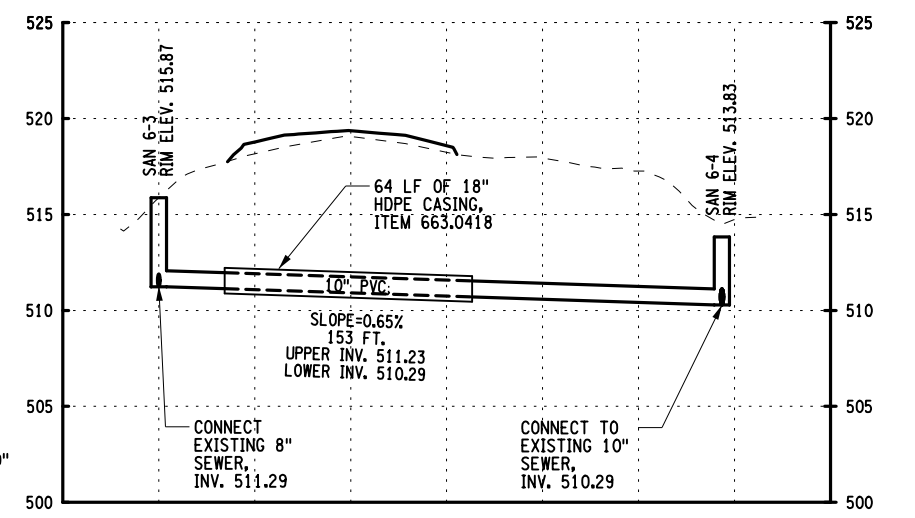
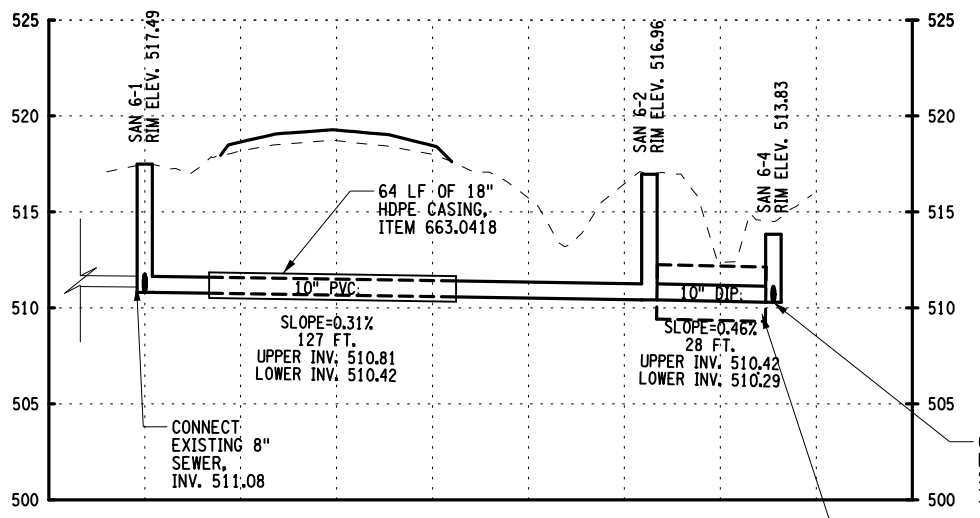
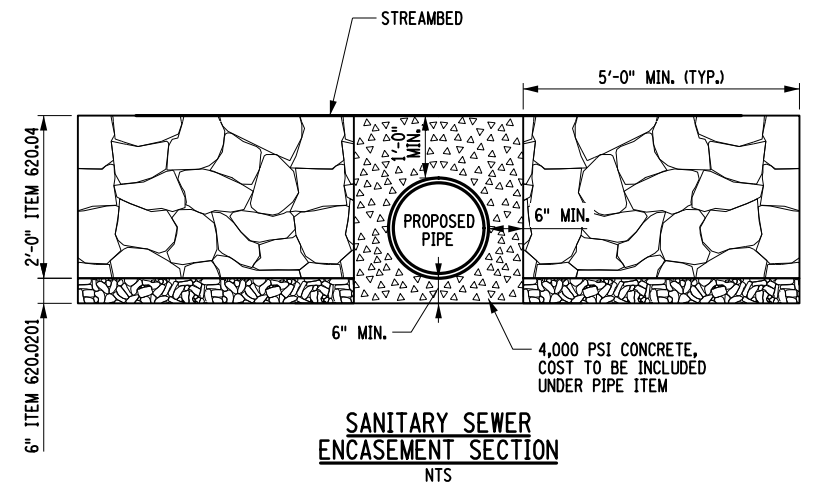
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NEW YORK STATE OF OPPORTUNITY
 Department of Transportation

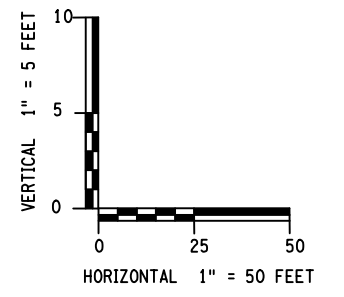
FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116\2LC111.cpl.rtd.ste 6.dgn
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH

MH NO	LOCATION		STRUCTURE TYPE	DESCRIPTION	TOP OF RIM ELEVATION AT CENTER OF COVER (FT)	INVERT ELEVATIONS (FT)	SLOPE %	203.07		206.0201		552.17		603.99240015		655.1202		663.0110		664.40480006	
	STATION	OFFSET AT CENTER OF COVER (FT)						SIDE	CY	CY	SF	FT	EA	FT	FT	FT	FT	FT			
SAN 6-1	12+42	40	LT	48 MH	INSTALL 48" PRECAST SANITARY SEWER MANHOLE WITH MANHOLE FRAME AND COVER.	517.49	510.81 (N)	0.31%	11.7	16.7	203.8	127.0	1.0	7.35							
															INSTALL 127.00 FT. OF 10.00 IN SDR-40 PVC TO MH SAN 6-2						
SAN 6-2	11+65	67	RT	48 MH	INSTALL 48" PRECAST SANITARY SEWER MANHOLE WITH MANHOLE FRAME AND COVER.	516.96	510.42 (N)	0.46%	11.4	16.3	199.9	28.0	7.21								
														INSTALL 28.00 FT. OF 10.00 IN CEMENT LINED DIP TO MH SAN 6-4							
SAN 6-3	12+97	40	LT	48 MH	INSTALL 48" PRECAST SANITARY SEWER MANHOLE WITH MANHOLE FRAME AND COVER.	515.87	511.29 (E)	0.61%	8.4	12.0	147.2	153.0	5.31								
														INSTALL 153.00 FT. OF 10.00 IN SDR-40 PVC TO MH SAN 6-4							
SAN 6-4	11+95	79	RT	48 MH	INSTALL 48" PRECAST SANITARY SEWER MANHOLE WITH MANHOLE FRAME AND COVER.	513.83	510.29 (W)														
								CONNECT TO EXISTING SANITARY SEWER MAIN.													
SUB TOTALS								121.9	361.8	4482.6	280.0	4.0	28.0	24.1							



- NOTES:**
1. BYPASS PUMPING OR OTHER REQUIRED SANITARY SEWER MAINTENANCE EFFORTS SHALL BE INCLUDED IN ITEM 660.70000004.
 2. REFER TO NYS DOT STANDARD SHEET 664-01 FOR SANITARY SEWER MAIN EXCAVATION AND BACKFILL DETAILS.



AFFIX SEAL: ON:

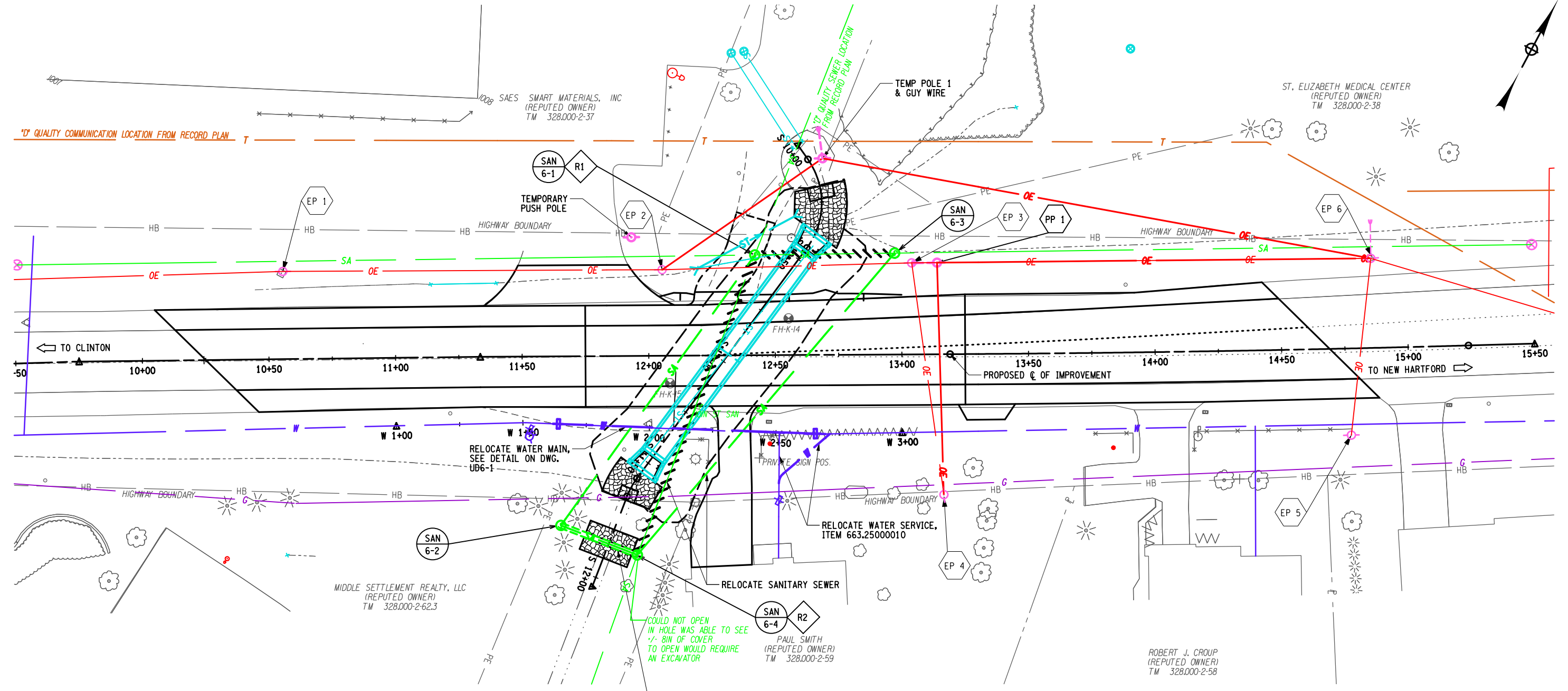
ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 5B OVER TRIBUTARY OF MUD CREEK SH 54-2 TOWN OF NEW HARTFORD COUNTY: ONEIDA REGION: 2	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
SITE 6 UTILITY DETAILS					DRAWING NO. UD6-2 SHEET NO. 100	NEW YORK STATE OF OPPORTUNITY	

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

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116.2\CL12\11.cph.rtp.ste 6.dgn
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 TIME = 1:44:24 PM

DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH



LEGEND:

- PROPOSED SANITARY SEWER STRUCTURE
- REMOVAL OF EXISTING STRUCTURE, SEE DETAIL ON DWG. MD-1
- REMOVAL OF EXISTING SEWER, SEE PIPE REMOVAL DETAIL AND TABLE ON DWG. MD-1
- EXISTING UTILITY POLE (SEE OVERHEAD UTILITY DISPOSITION TABLE)

NOTES:

1. PROPOSED UTILITY LOCATIONS MAY BE ALTERED AS SHOWN ON THIS PLAN. LOCATIONS ARE FOR BIDDING PURPOSES. FINAL LOCATION SHALL NOT IMPACT PROPOSED HIGHWAY WORK.

OVERHEAD UTILITY DISPOSITION TABLE

EP POLE NUMBER ON PLANS	UTILITIES REAL POLE NUMBER	FACILITIES ON STRUCTURE			PROPOSED DESIGN CONFLICT WITH EXISTING UTILITIES	RELOCATION OR REMOVAL REQUIRED		PRIVATE PROPERTY		UNDERGROUND POWER RISER RELOCATION NEEDED (+)
		DIST	SEC	LIGHT		CABLE	TEL	YES	NO	
SITE 6										
1	NG 18	X	X		X	X				X
2	NG 17 1/2	X	X		X	X	OVERHEAD LINES ONLY	X		X
3	NG 17	X	X		X	X				X
4	NO #			X	X	X		X	X	
5	NG 16-1		X			X				X
6	NG 16	X	X		X	X	OVERHEAD LINES ONLY	X		X



AFFIX SEAL:
ON:

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT	PIN 2LC1.12
ROUTE 5B OVER TRIBUTARY OF MUD CREEK	UTILITY QUALITY LEVEL D
SH 54-2	
TOWN OF NEW HARTFORD	
COUNTY: ONEIDA	REGION: 2

BRIDGES

CULVERT
C260116

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

CONTRACT NUMBER
D265331

SITE 6
UTILITY PLAN

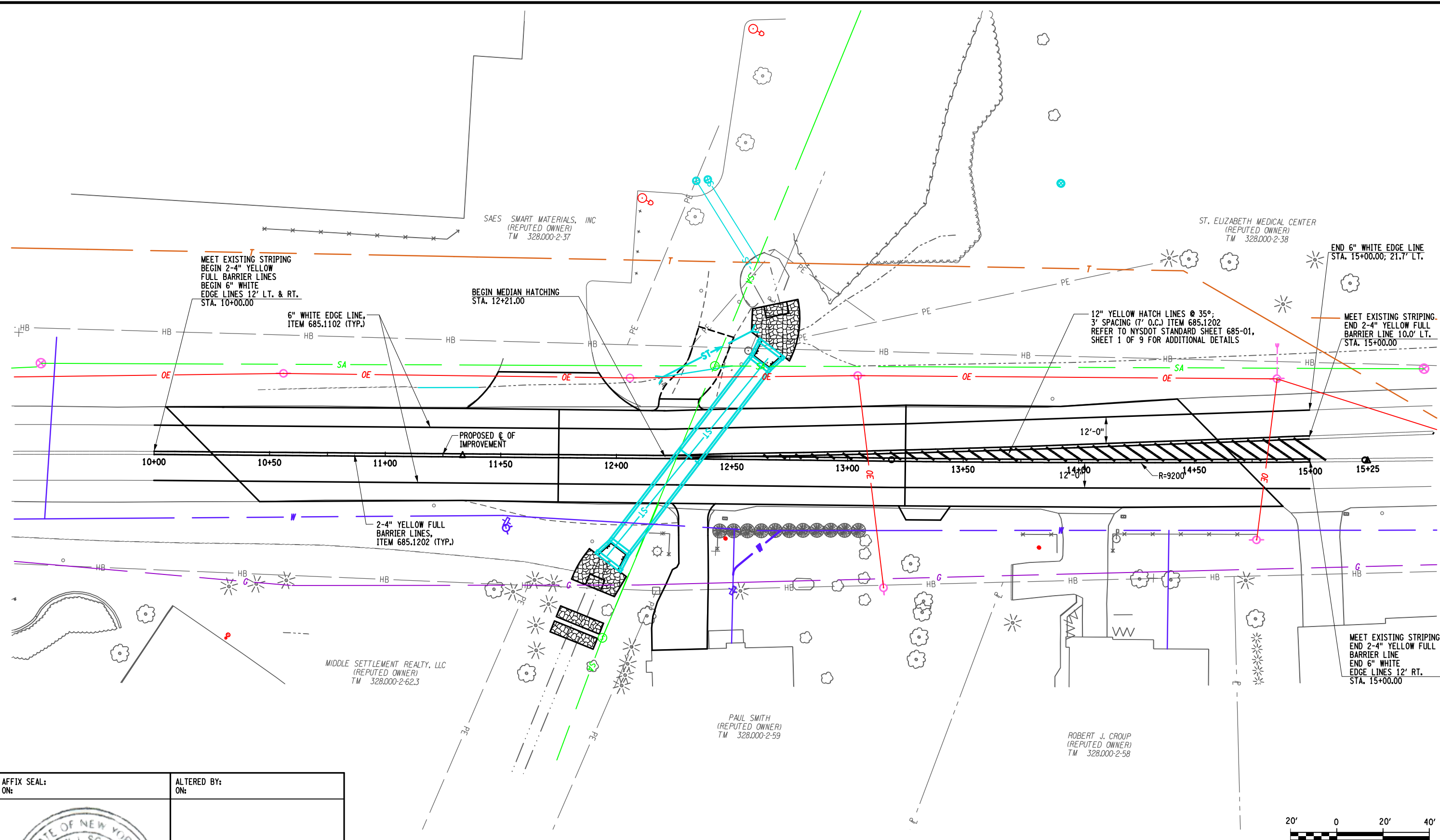
DRAWING NO. UP6-1
SHEET NO. 101


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




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 TIME = 1:44:25 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



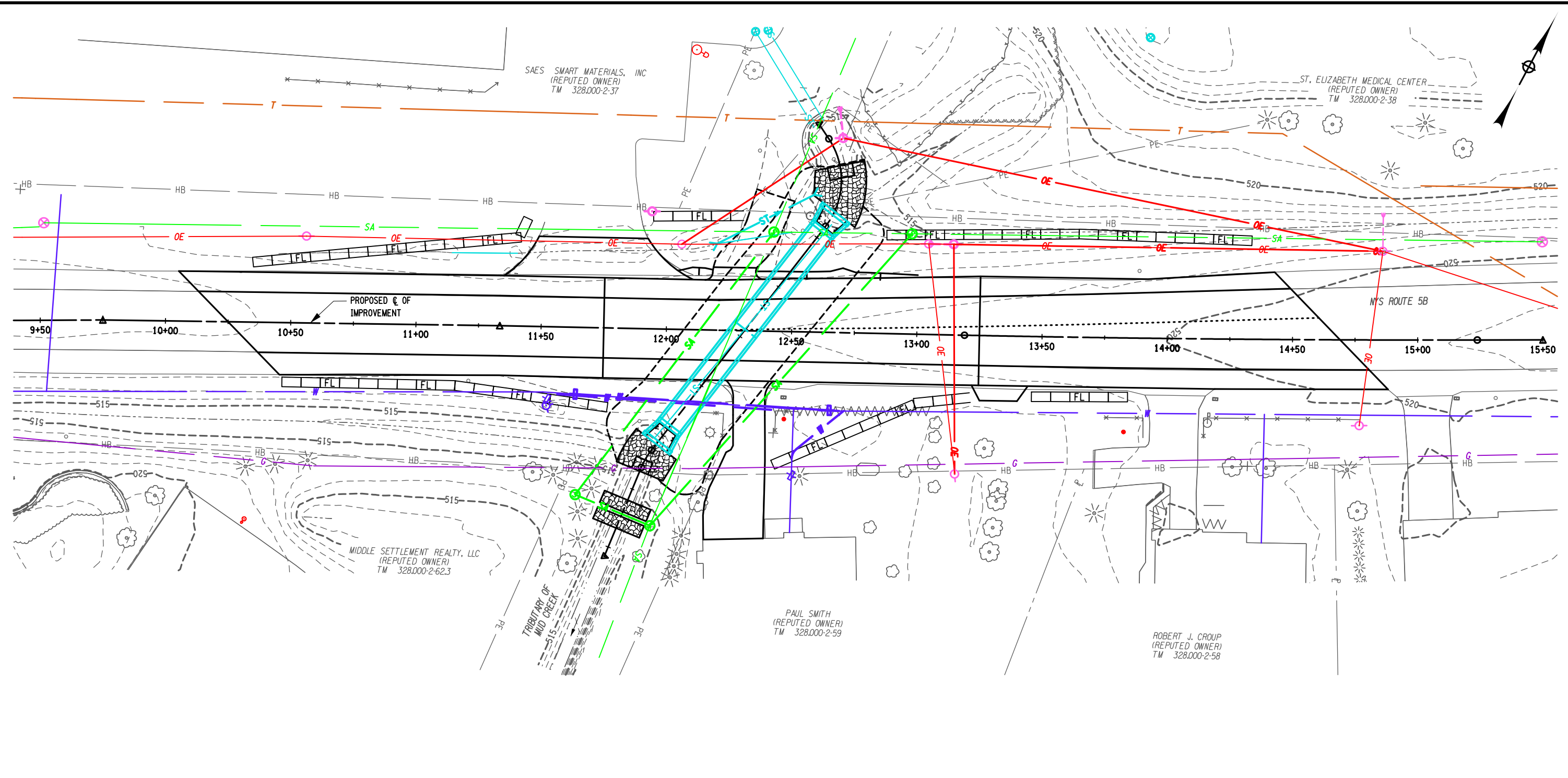
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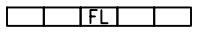
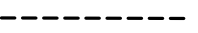

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 5B OVER TRIBUTARY OF MUD CREEK					D265331	
	SH 54-2				SITE 6	DRAWING NO.	PM6-1
	TOWN OF NEW HARTFORD				PAVEMENT MARKING PLAN	SHEET NO.	102
	COUNTY: ONEIDA	REGION: 2					
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.						 Department of Transportation	

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LEGEND


-  SEDIMENT FILTER LOG - TEMPORARY, ITEM 209.2301
-  LIMITS OF STRUCTURE EXCAVATION, ITEM 206.01
-  STONE FILL (MEDIUM), ITEM 620.04

NOTES:
 1. SEE DWG. ECN-1 FOR WATER DIVERSION NOTES AND PARAMETERS, PAYMENT UNDER ITEM 553.030003.



AFFIX SEAL:
ON:

ALTERED BY:
ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 5B OVER TRIBUTARY OF MUD CREEK					D265331	
	SH 54-2				SITE 6	DRAWING NO.	ECP6-1
	TOWN OF NEW HARTFORD				EROSION CONTROL PLAN	SHEET NO.	103
	COUNTY: ONEIDA	REGION: 2					

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INDEX		
SHEET NO.	DESCRIPTION	DRAWING NO.
104	NOTES & INDEX	ST6-1
105	CULVERT PLAN & ELEVATION	ST6-2
106	CULVERT TRANSVERSE SECTION	ST6-3
107	EXCAVATION PLAN	ST6-4
108	CULVERT EXCAVATION SECTIONS	ST6-5
109	CULVERT BOX APRON SLAB	ST6-6
110	HEADWALL PLAN, ELEVATION AND SECTION	ST6-7
111	PEDESTRIAN FENCING ON CONCRETE HEADWALL & WINGWALL	ST6-8

PRECAST CONCRETE BOX CULVERT NOTES:

THE CONTRACTOR SHALL PROVIDE LOAD RATINGS IN BOTH THE LOAD FACTOR RATING (LFR) METHOD AND THE LOAD AND RESISTANCE FACTOR RATING (LRFR) METHOD. DESIGN LOADING SHALL BE HL-93, LOAD AND RESISTANCE FACTOR DESIGN STANDARDS WITH A MINIMUM LRFR INVENTORY RATING OF 1.2.

ACTUAL WALL AND SLAB THICKNESSES, REINFORCEMENT SIZE AND SPACING TO BE DETERMINED BY FABRICATOR'S ENGINEER. IF THE ACTUAL TOP SLAB THICKNESS IS LESS THAN THE 1'-0" ASSUMED, THEN THE LOW BEAM ELEVATION SHALL BE HELD. IF THE ACTUAL TOP SLAB THICKNESS IS GREATER THAN 1'-0", CONTACT THE ENGINEER IN CHARGE.

THE LENGTH OF EACH STRUCTURE SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR.

FOR MECHANICAL CONNECTORS IN TOP SLAB, SEE DWGS. ST6-7 AND RL-2.

ALL EXPOSED EDGES SHALL HAVE A CHAMFER OF 1".

THE ENTIRE TOP SLAB OF THE BOX UNIT SHALL BE COVERED WITH SHEET APPLIED WATERPROOFING MEMBRANE. ON THE LEGS, STRIPS OF WATERPROOFING MEMBRANE SHALL BE PLACED OVER EACH OF THE JOINTS, INCLUDING THE JOINTS BETWEEN THE BOX AND END SECTIONS.

DOWEL BARS USED TO ATTACH THE CUT-OFF WALL TO THE BOX CULVERT SHALL BE DRILLED AND GROUTED PER THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 586 EXCEPT THE GROUT SHALL MEET THE REQUIREMENTS OF §701-06 (PULL-OUT TEST NOT REQUIRED). THE KEYWAY SHALL BE GROUTED WITH THE SAME MATERIAL AS THE DOWELS. PLACE A BEAD OF CAULK, CLOSED CELL FOAM OR OTHER SUITABLE MATERIAL ON BOTH SIDES OF THE KEYWAY TO CONTAIN THE GROUT.

TOP OF BOX UNITS SHALL BE CROWNED AT 1.0% FROM ϕ BOX TO DRAIN.

IF THE END SECTION IS PROVIDED BY THE CONTRACTOR IN MORE THAN ONE PIECE, A CLOSURE POUR DETAIL SIMILAR TO THE CLOSURE POUR DETAIL ON BD-CB4 OR DETAIL "C" ON BD-CB12 SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.

PRECAST CONCRETE BOX UNIT REFORCEMENT COVER REQUIREMENTS:
 - TOP OF PRECAST BOX UNIT 2"
 - ALL OTHER PRECAST BOX UNIT FACES 1"

GENERAL NOTES:

RECORD PLANS FOR THIS STRUCTURE ARE AVAILABLE AT THE NYS DOT DEPARTMENT OF TRANSPORTATION REGIONAL OFFICE.

HYDRAULIC NOTES:


THE COST OF DEWATERING THE ENTIRE EXCAVATION, REGARDLESS OF THE SOURCE OF WATER, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE EXCAVATION ITEMS).

ORDINARY HIGH- WATER IS ESTIMATED TO BE 515.25. ORDINARY HIGH-WATER IS DEFINED AS THE WATER SURFACE ELEVATION FOR THE MEAN ANNUAL FLOOD, WHICH IS THE FLOOD THAT HAS A RECURRENCE INTERVAL OF 2 YEARS.

ORDINARY WATER IS ESTIMATED TO BE 514.0. ORDINARY WATER IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (EXCLUDING 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 513.75. LOW WATER IS DEFINED AS 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.

THE 2-YEAR STORM EVENT HAS A FLOW OF 27 CFS.

AFFIX SEAL: ON:	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 5B OVER TRIBUTARY OF MUD CREEK SH 54-2 TOWN OF NEW HARTFORD COUNTY: ONEIDA REGION: 2	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B &L
SITE 6 NOTES & INDEX					DRAWING NO. ST6-1 SHEET NO. 104		

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

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DESIGN SUPERVISOR M. SCHOOLEY
 JOB MANAGER B. TREMBLAY
 DESIGN D. KINSMAN
 CHECK M. PATTERSON
 DRAFTING P. ZIARKO/M. KROWICKI
 CHECK G. WEHBE
 PROJECT MANAGER W. FINCH

BOX CULVERT DESIGN DATA	
CLEAR SPAN, ft.	9.0
STRUCTURE RISE, ft.	4.5
*MIN. FILL HEIGHT, ft.	0.33
*MAX. FILL HEIGHT, ft.	1.9
(SKEW) SKEW ANGLE \perp TO ϕ OF ROADWAY, DEG.	36.7
LIVE LOAD	HL93 W/LRFR INV. FACTOR ≥ 1.2
RAILING / BARRIER TEST LEVEL	N/A

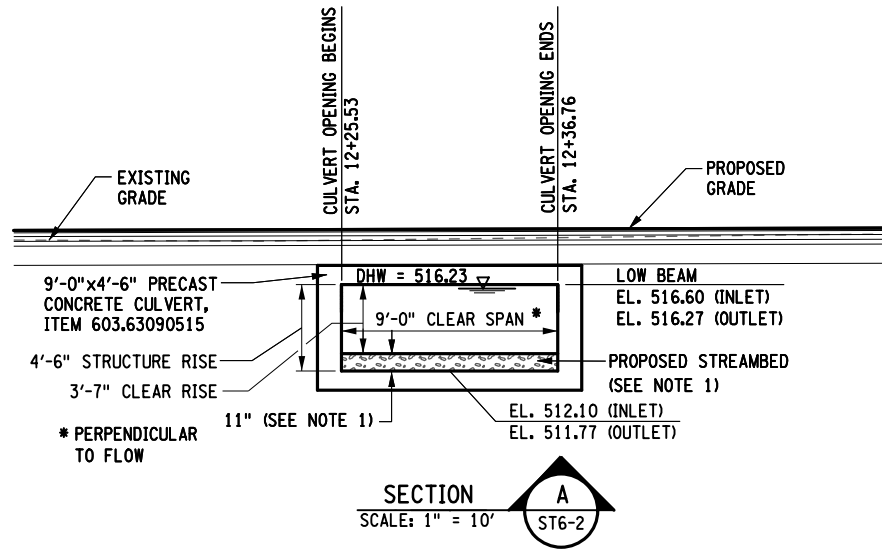
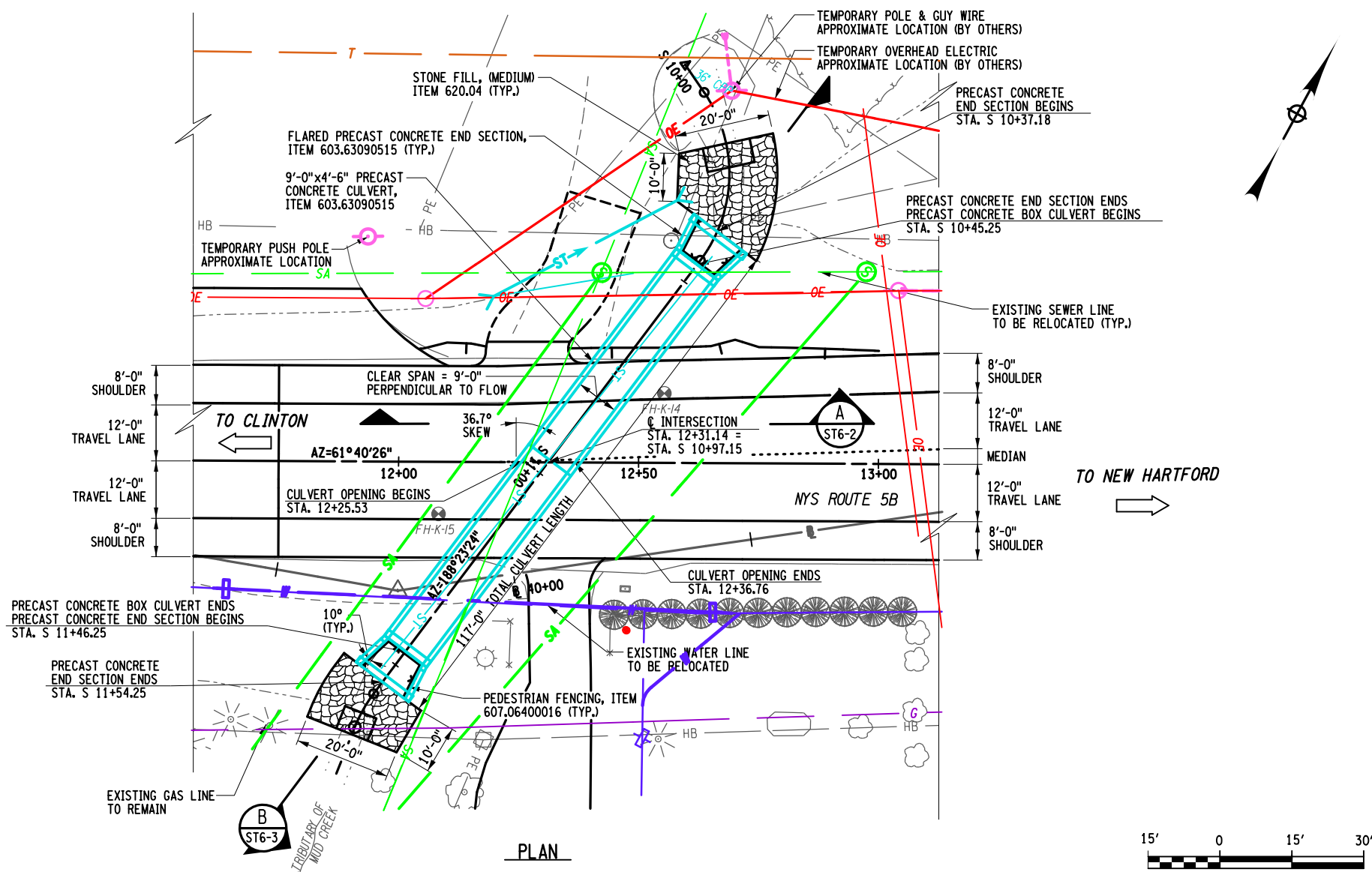
* BASED ON ASSUMED TOP SLAB THICKNESS OF 1'-0". FABRICATOR SHALL ADJUST BASED ON ACTUAL TOP SLAB THICKNESS. MEASURED FROM THE TOP OF THE TOP SLAB TO THE TOP OF THE PAVEMENT.
 NOTE: THE TOP OF THE BOX UNITS SHALL HAVE A 1% CROWN OR WASH TO PROVIDE POSITIVE DRAINAGE.

LOAD RATING (LFD)		
INVENTORY	HS	TONS
OPERATING	HS	TONS

LRFR RATING FACTORS	
INVENTORY	HL-93
OPERATING	HL-93

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

HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE. REFER TO SUBSECTION 107-09 OF THE STANDARD SPECIFICATIONS FOR CONTRACTORS SAFETY REQUIREMENTS.



NOTES:
 1. STREAMBED MATERIAL SHALL BE PLACED UPSTREAM/DOWNSTREAM OF THE CULVERT FASCIAS. THE INTERIOR OF THE CULVERT WILL BE PERMITTED TO SILT IN NATURALLY.

AFFIX SEAL: ON: _____
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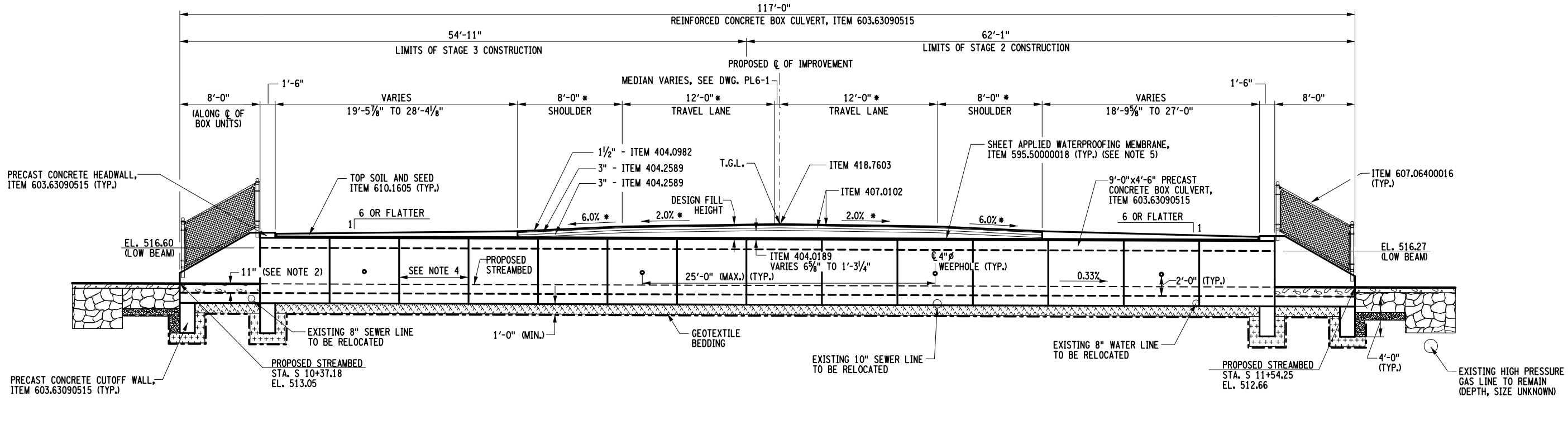
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 5B OVER TRIBUTARY OF MUD CREEK SH 54-2 TOWN OF NEW HARTFORD COUNTY: ONEIDA REGION: 2	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
SITE 6 CULVERT PLAN & ELEVATION					DRAWING NO. ST6-2	SHEET NO. 105	Department of Transportation

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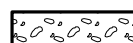


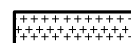


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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



PROPOSED CULVERT SECTION B
 SCALE: 3/32" = 1'-0"

LEGEND:


-  NATIVE STREAMBED MATERIAL, ITEM 613.04000001 (SEE NOTE 2)
-  STONE FILLING (MEDIUM) ITEM 620.04
-  BEDDING MATERIAL, ITEM 620.0802
-  SUBBASE, TYPE 1, ITEM 304.11, COST TO BE INCLUDED IN THE ASSOCIATED PRECAST ITEMS
-  CRUSHED MATERIAL LEVELING BED, MEETING THE REQUIREMENTS OF MATERIAL DESIGNATION 703-02, CONSISTING OF A MIXTURE OF STONE SIZE DESIGNATIONS 1 AND 2, COST TO BE INCLUDED IN ITEM 603.63090515
-  GEOTEXTILE BEDDING, ITEM 207.20


NOTES:

1. * MEASURED PERPENDICULAR TO PROPOSED C OF IMPROVEMENT. ALL OTHER MEASUREMENTS ARE TAKEN ALONG THE C OF STREAM.
2. STREAMBED MATERIAL SHALL BE PLACED UPSTREAM/DOWNSTREAM OF THE CULVERT FASCIAS. THE INTERIOR OF THE CULVERT WILL BE PERMITTED TO SILT IN NATURALLY.
3. FOR END SECTION ELEVATIONS REFER TO DWG. ST6-6.
4. THE LENGTH OF EACH CULVERT SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR. IF STAGED CONSTRUCTION IS EMPLOYED, THE PRECAST BOX CULVERT SEGMENT LENGTH MUST BE COMPATIBLE WITH STAGING REQUIREMENTS.
5. SEE DWG. MSD-2 FOR LIMITS OF WATERPROOFING MEMBRANE.

AFFIX SEAL: ON: _____

ALTERED BY: ON: _____



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B & L
	ROUTE 5B OVER TRIBUTARY OF MUD CREEK					D265331	
	SH 54-2				SITE 6	DRAWING NO.	ST6-3
	TOWN OF NEW HARTFORD				CULVERT TRANSVERSE SECTION	SHEET NO.	106
	COUNTY: ONEIDA	REGION: 2					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.							

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NOTES:

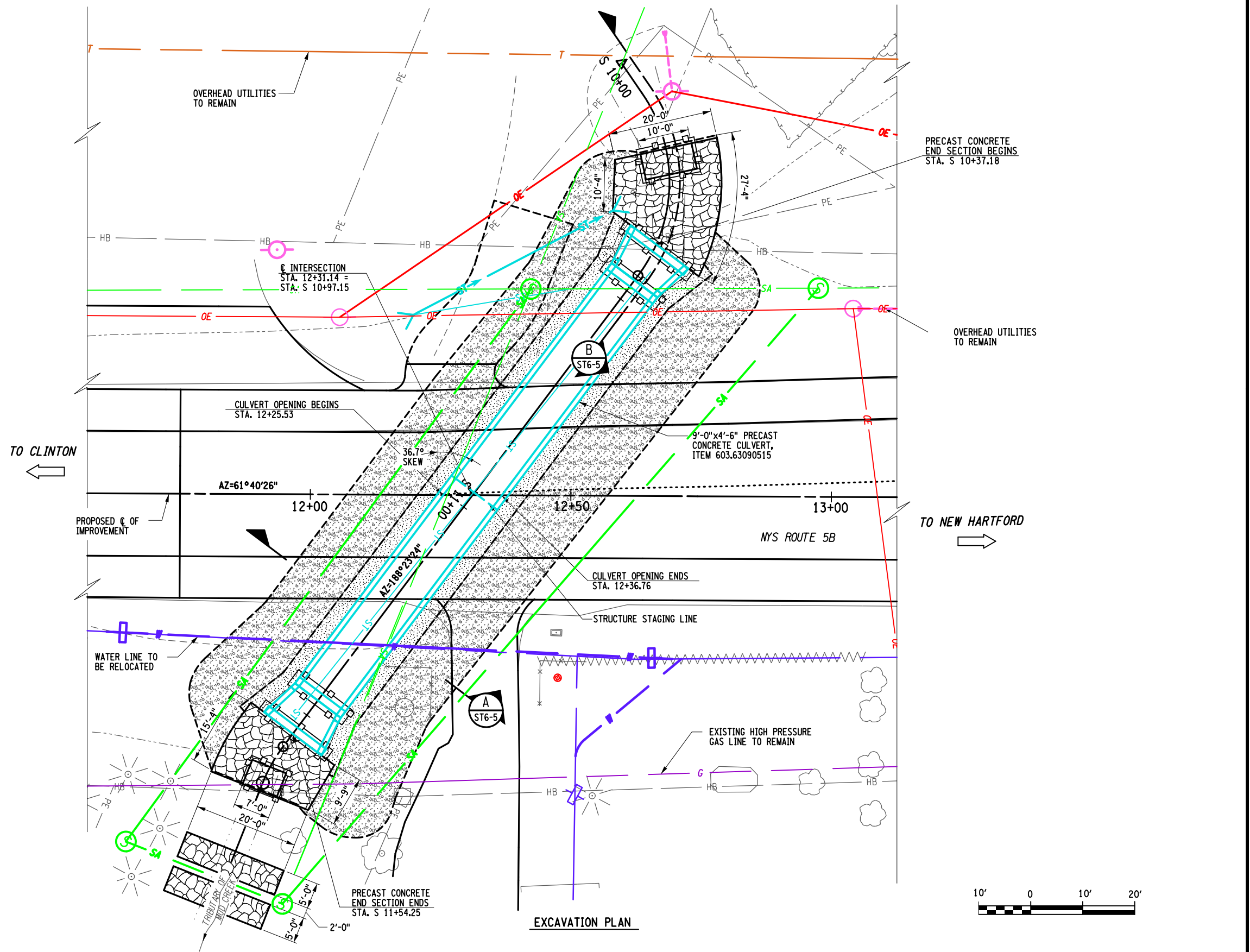
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE APPROPRIATE SEQUENCE FOR THE CULVERT REPLACEMENT WHILE MAINTAINING THE FLOW OF TRIBUTARY OF MUD CREEK. DEWATERING OF THE SITE SHALL BE PERFORMED FOLLOWING THE REQUIREMENTS OF §553 OF THE NYS DOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE A DRY SITE, REGARDLESS OF THE SOURCE OF WATER, SUITABLE FOR INSTALLATION OF THE CONCRETE AND EARTHWORK ITEMS, COST TO BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.
2. REFER TO DWG. ECP6-1 FOR EROSION CONTROL AND WATER CONTROL ITEMS.

LEGEND:

- STONE FILLING (MEDIUM) ITEM 620.04
- EMBANKMENT IN PLACE, ITEM 203.03
- SELECT GRANULAR FILL, ITEM 203.07
- STRUCTURE EXCAVATION, ITEM 206.01
- TRENCH AND CULVERT EXCAVATION ITEM 206.0201

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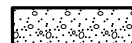
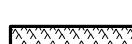
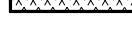
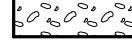

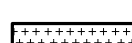
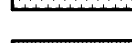


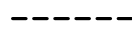
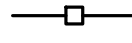


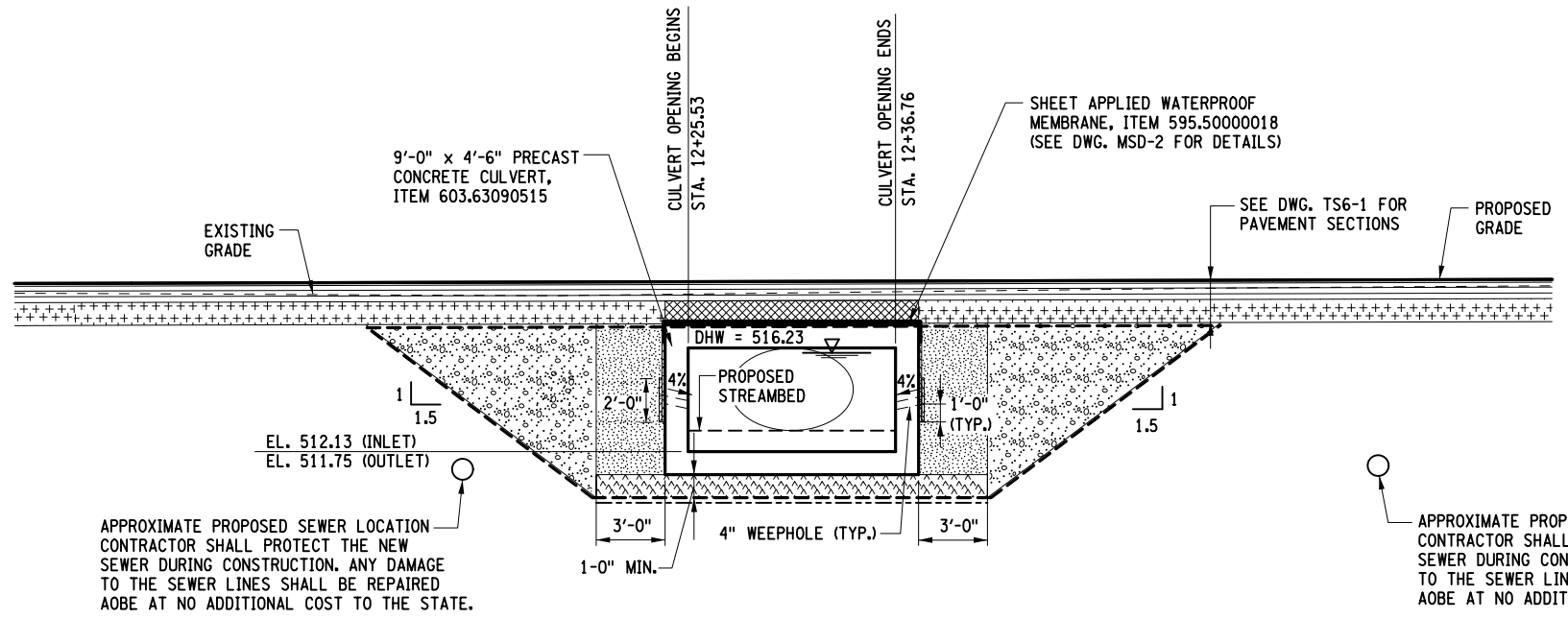
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 5B OVER TRIBUTARY OF MUD CREEK SH 54-2 TOWN OF NEW HARTFORD COUNTY: ONEIDA	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
					SITE 6 EXCAVATION PLAN	DRAWING NO. STG-4	
						SHEET NO. 107	

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.

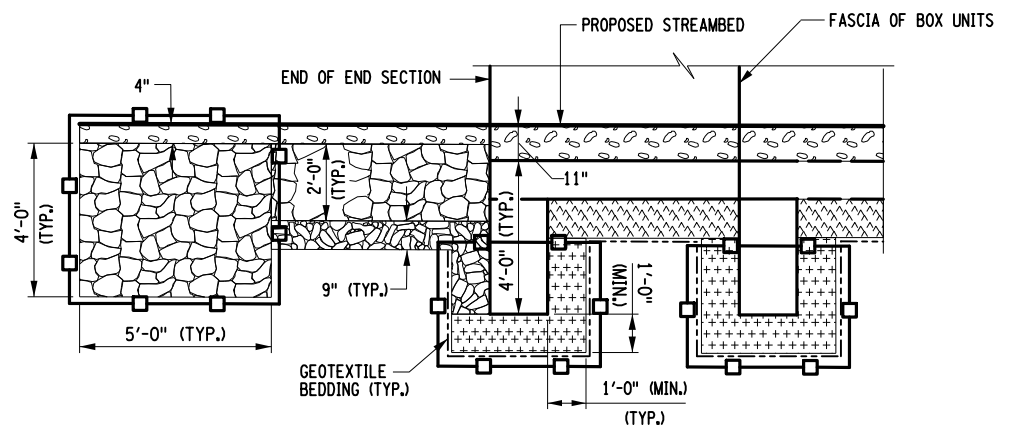
NEW YORK STATE OF OPPORTUNITY Department of Transportation

LEGEND

-  SELECT GRANULAR FILL, ITEM 203.07
-  EMBANKMENT IN PLACE, ITEM 203.03
-  CRUSHED MATERIAL LEVELING BED, MEETING THE REQUIREMENTS OF MATERIAL DESIGNATION 703-02, CONSISTING OF A MIXTURE OF STONE SIZE DESIGNATIONS 1 AND 2. COST TO BE INCLUDED IN ITEM 603.63090515
-  NATIVE STREAMBED MATERIAL, ITEM 613.04000001
-  STONE FILLING (MEDIUM) ITEM 620.04
-  SUBBASE, TYPE 1, ITEM 304.11, COST TO BE INCLUDED IN THE ASSOCIATED PRECAST ITEMS
-  TRUING & LEVELING ITEM 404.0189
-  BEDDING MATERIAL, TYPE 1 ITEM 620.0801
-  STRUCTURE EXCAVATION, ITEM 206.01
-  TRENCH AND CULVERT EXCAVATION, ITEM 206.0201
-  COMPOSITE STRUCTURAL DRAIN, ITEM 207.26
-  GEOTEXTILE BEDDING ITEM 207.20






TYPICAL EXCAVATION SECTION A
 SCALE: 1/8" = 1'-0"
 ST6-4



TYPICAL INLET AND OUTLET PROTECTION SECTION B
 SCALE: 3/16" = 1'-0"
 ST6-4

AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

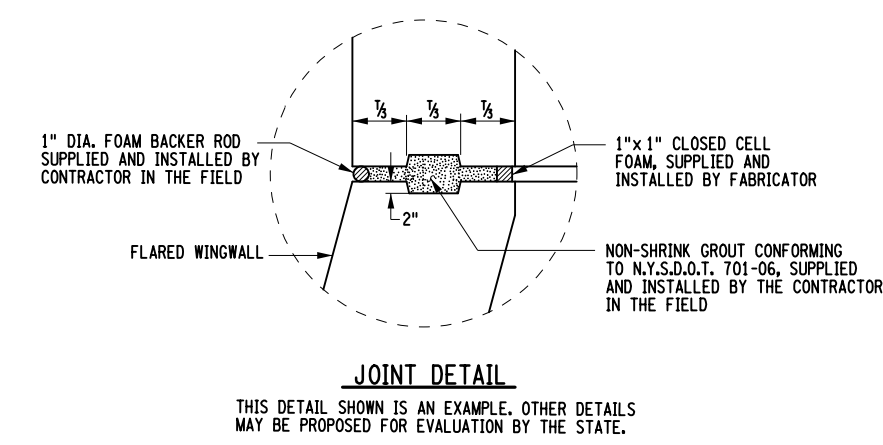
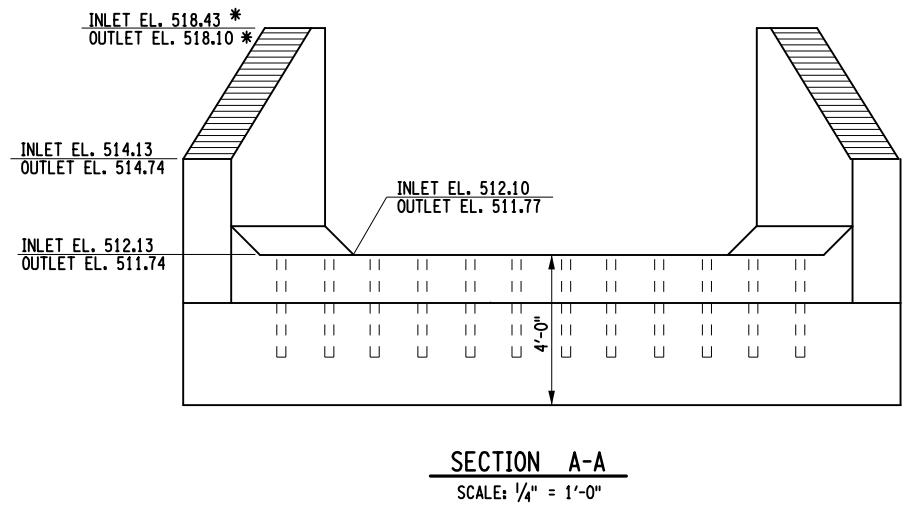
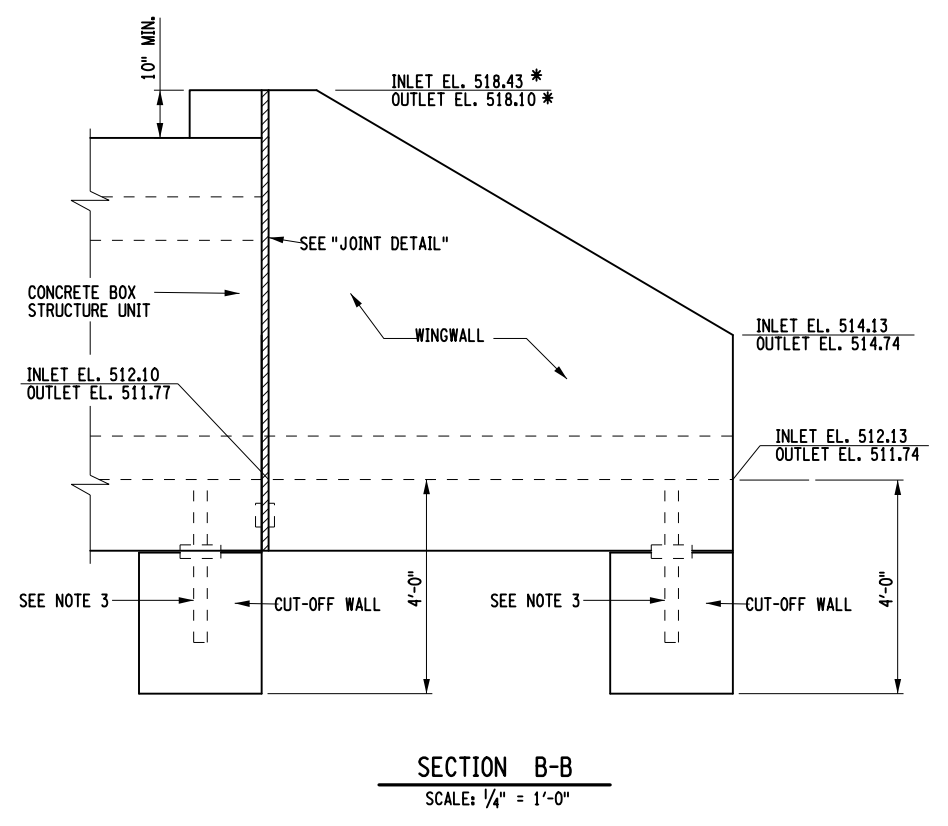
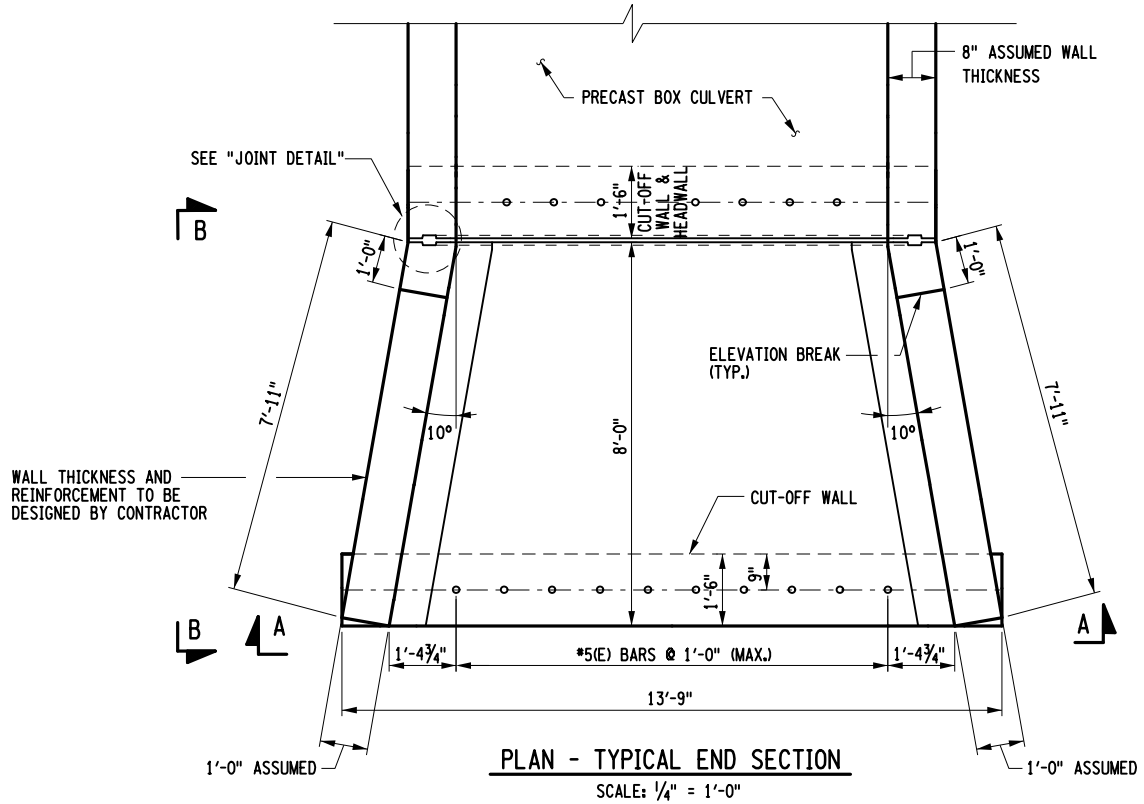


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 5B OVER TRIBUTARY OF MUD CREEK SH 54-2 TOWN OF NEW HARTFORD COUNTY: ONEIDA REGION: 2	PIN 2LCL12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED SITE 6 CULVERT EXCAVATION SECTIONS	CONTRACT NUMBER D265331 DRAWING NO. ST6-5 SHEET NO. 108	  Department of Transportation
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FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 1\Site 6 - C260116.2\CL11.opb.dtl.cul.site 6.dgn
 DATE = 7/24/2014
 TIME = 1:44:33 PM

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



- NOTES:**
- SEE DWG. ST6-1 FOR PRECAST CONCRETE BOX CULVERT NOTES.
 - * BASED ON ASSUMED TOP AND BOTTOM SLAB THICKNESSES OF 1'-0". FABRICATOR SHALL ADJUST BASED ON ACTUAL SLAB THICKNESSES.
 - SEE DWG. MD-3 FOR CUT OFF WALL SECTION.
 - MINIMUM COVER FOR REBAR IN THE CONCRETE END SECTION SHALL BE 1/2".

AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

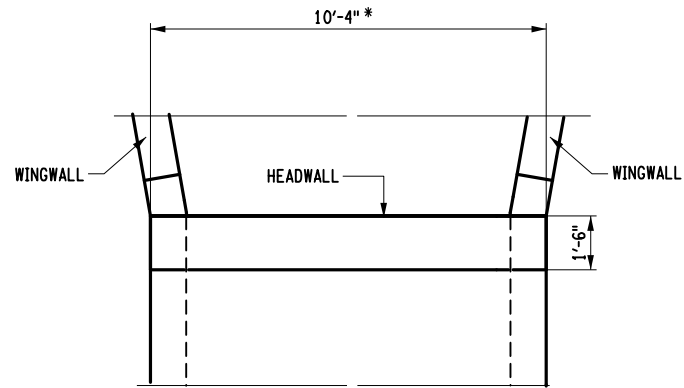
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	B &L
	ROUTE 5B OVER TRIBUTARY OF MUD CREEK					D265331	
	SH 54-2					SITE 6 CONCRETE BOX APRON SLAB	
	TOWN OF NEW HARTFORD						
COUNTY: ONEIDA	REGION: 2	SHEET NO. 109					

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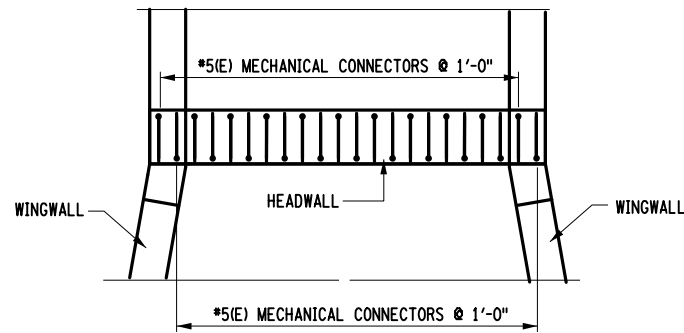
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH

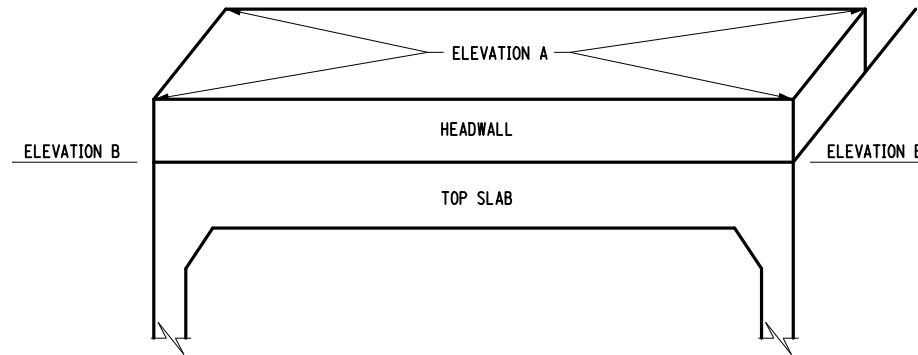


TYPICAL HEADWALL GEOMETRY PLAN
 SCALE: 3/16" = 1'-0"

* DIMENSIONS BASED ON ASSUMED 8" WALL THICKNESS



TYPICAL MECHANICAL CONNECTORS PLAN
 SCALE: 3/16" = 1'-0"



HEADWALL ELEVATIONS
 NOT TO SCALE

HEADWALL DATA		
LOCATION	ELEVATION A	ELEVATION B
LT. HEADWALL	518.43	517.60
RT. HEADWALL	518.10	517.27

NOTES:

1. IF TOP SLAB IS THICKER THAN THE ASSUMED 1'-0". ELEVATIONS A AND B SHALL BE INCREASED BY THE SAME AMOUNT TO MAINTAIN MINIMUM 10" THICK HEADWALL.
2. ALL COVER SHALL BE 2" IN CONCRETE HEADWALLS.

AFFIX SEAL: ON:	ALTERED BY: ON:

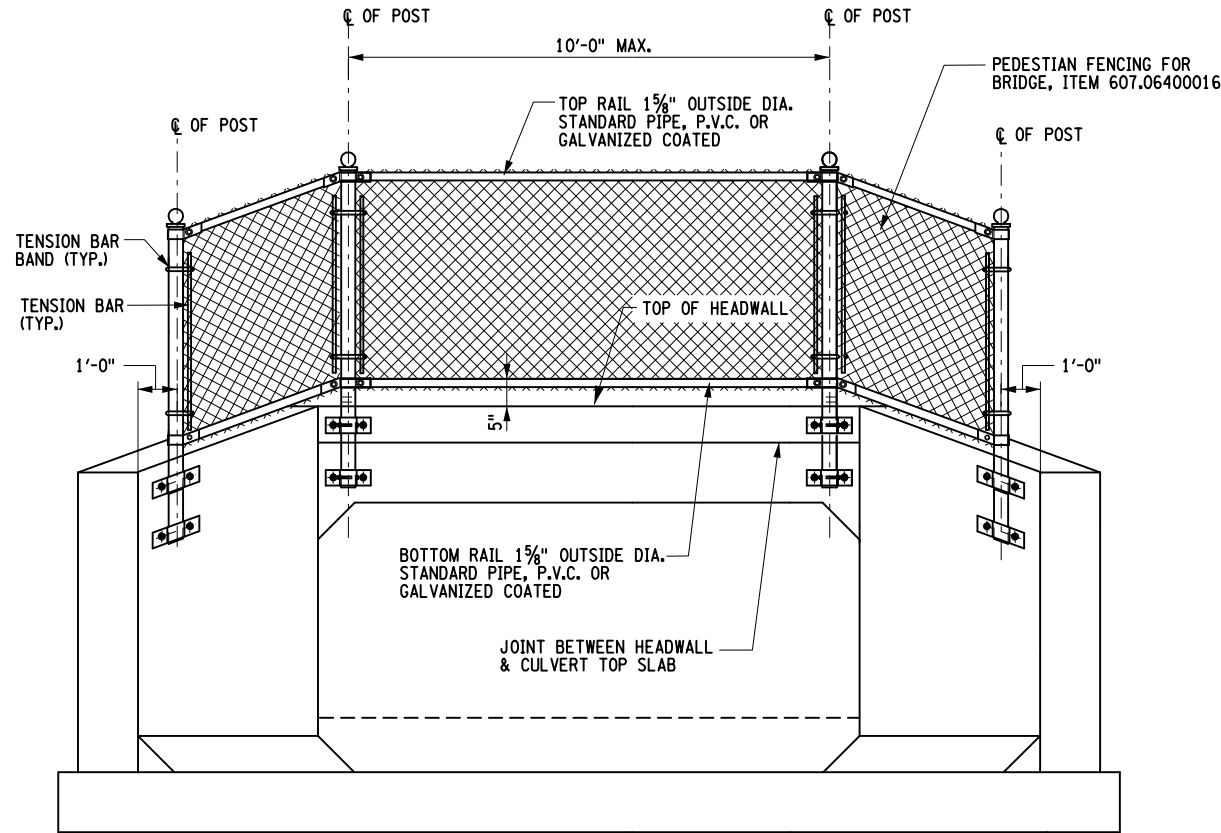
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	ROUTE 5B OVER TRIBUTARY OF MUD CREEK				SITE 6 HEADWALL PLAN AND ELEVATION	DRAWING NO. ST6-7	
	SH 54-2					SHEET NO. 110	
	TOWN OF NEW HARTFORD						

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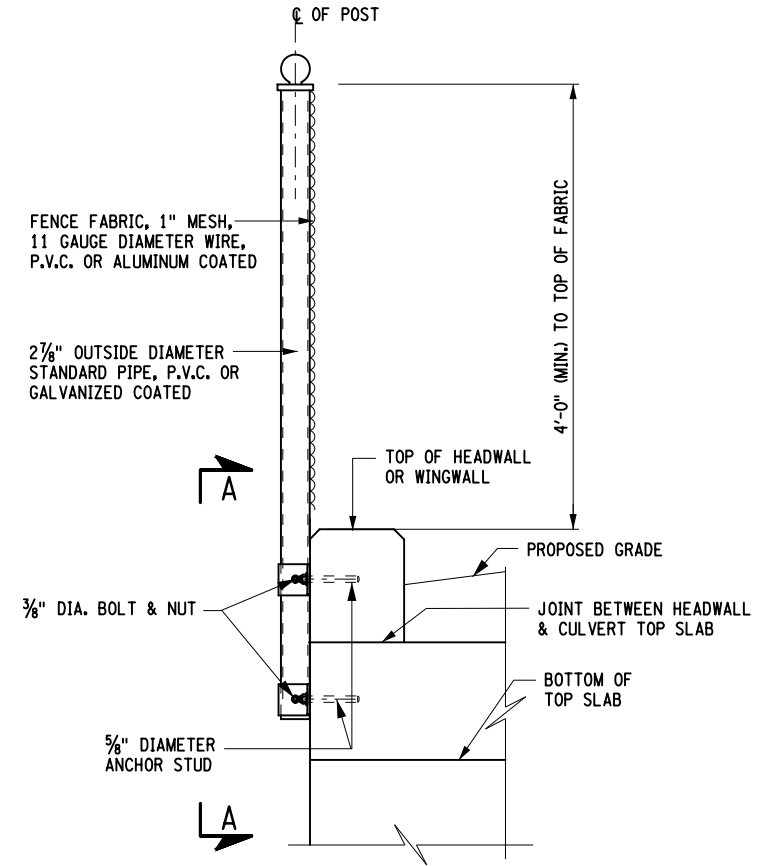
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DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER B. TREMBLAY DESIGN D. KINSMAN CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH



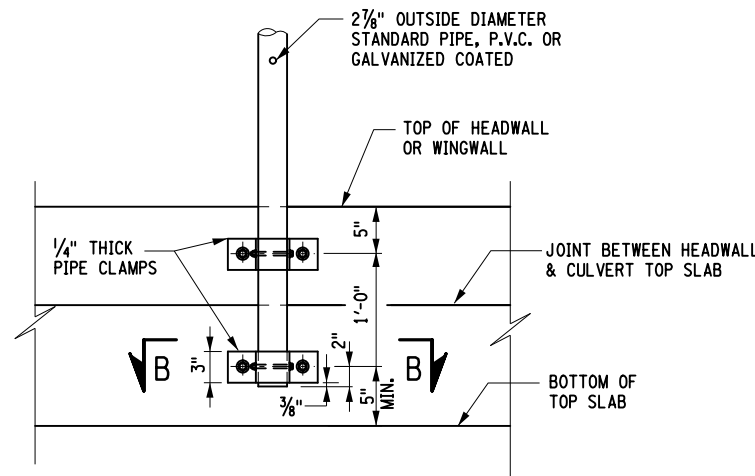
CULVERT ELEVATION
NTS



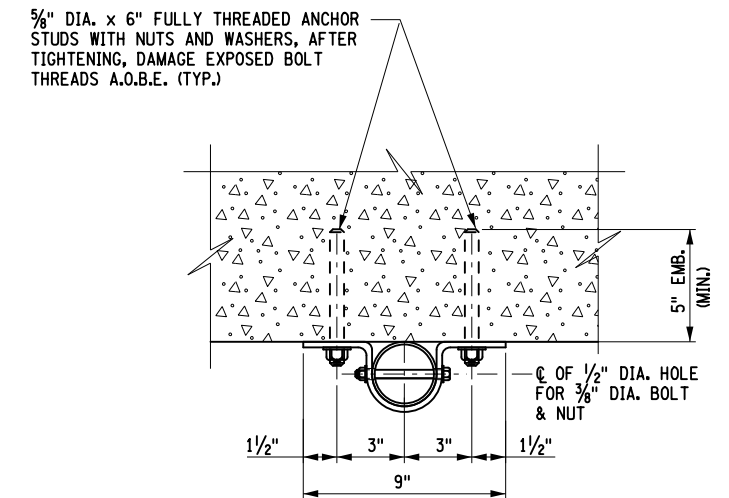
FENCING ON SAFETY SHAPE BARRIER
NTS

NOTES:

1. DETAIL DRAWING FOR CHAIN LINK FENCE THAT THE CONTRACTOR PLANS TO ERECT SHALL BE SUBMITTED TO THE ENGINEER. NO FENCE SHALL BE ERECTED PRIOR TO THE APPROVAL OF THE DETAILS.
2. ALL FENCE FABRIC SHALL HAVE KNUCKLED SELVAGE EDGES.
3. THE FULLY THREADED ANCHOR STUDS FOR THE PEDESTRIAN FENCE POST MAY BE DRILLED AND GROUTED OR PRE-LOCATED AND CAST INTO THE WINGWALL, OR FASCIA.
4. DRILLING AND GROUTING OF FULLY THREADED ANCHOR STUDS SHALL BE IN ACCORDANCE WITH SECTION 586 - MISCELLANEOUS STRUCTURAL RECONSTRUCTION.
5. IT IS PERMISSIBLE TO INSTALL SHIM PLATES BEHIND THE VERTICAL FENCE TO BE DETERMINED IN FIELD. POSTS TO ACHIEVE PLUMB. SHIMS MUST HAVE 1/32" DIA. HOLES MATCHING THE PIPE CLAMP FOR THE 5/8" DIA. ANCHOR STUDS. SHIMS SHALL BE OF STAINLESS STEEL (ASTM A666). THE REQUIRED QUANTITY AND THICKNESS OF SHIMS WILL BE DETERMINED IN FIELD.



SECTION A-A
NTS



SECTION B-B
NTS

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 5B OVER TRIBUTARY OF MUD CREEK SH 54-2 TOWN OF NEW HARTFORD COUNTY: ONEIDA REGION: 2	PIN 2LC1.12	BRIDGES	CULVERT C260116	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265331	B & L
SITE 6 PEDESTRIAN FENCING ON CONCRETE HEADWALL & WINGWALL					DRAWING NO. ST6-8 SHEET NO. 111		
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.						Department of Transportation	