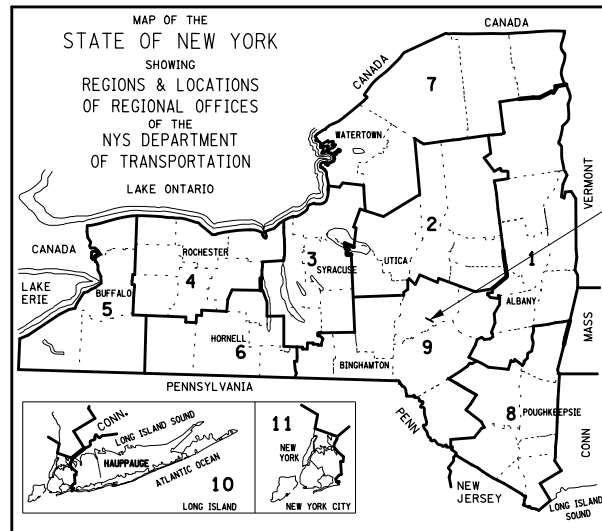


# OTSEGO COUNTY TOWN OF MARYLAND

## LOFT ROAD OVER SCHENEVUS CREEK BRIDGE REPLACEMENT BIN 2227620

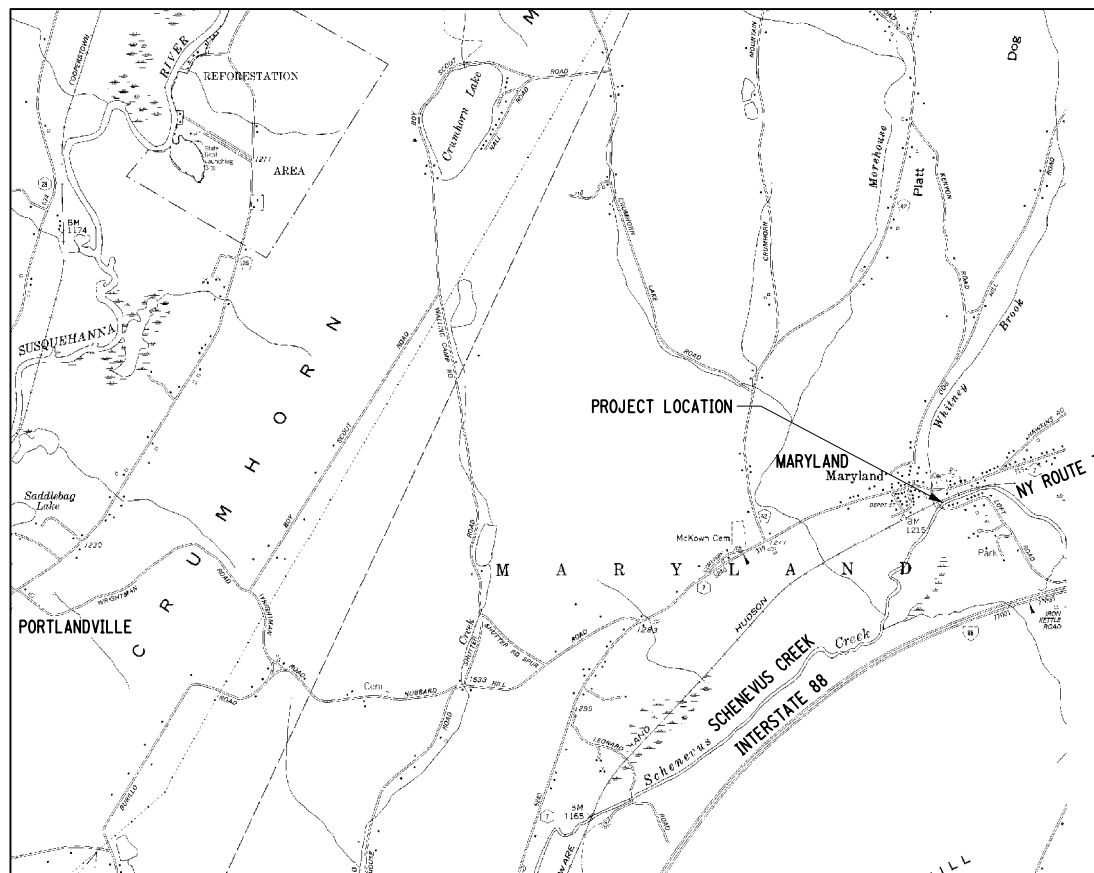


THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE DEPARTMENT, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT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

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (US CUSTOMARY) 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 NYS DOT POLICIES AND GUIDELINES AND THE FINAL DESIGN REPORT APPROVED ON 1/29/24.

LD040434 F.A. PROJECT OTSEGO COUNTY



PROJECT LOCATION  
THE PROJECT IS LOCATED APPROXIMATELY  
300 FT SOUTH OF THE INTERSECTION OF LOFT RD AND NY RTE 7

CONTRACTOR'S NAME \_\_\_\_\_

AWARD DATE \_\_\_\_\_

COMPLETION DATE \_\_\_\_\_

FINAL ACCEPTANCE DATE \_\_\_\_\_

REGIONAL DIRECTOR \_\_\_\_\_

ENGINEER IN CHARGE \_\_\_\_\_

FINAL COST TOTAL \_\_\_\_\_

FISCAL SHARE \_\_\_\_\_ COST(S) \_\_\_\_\_



PREPARED BY:

*Laura Sanda* 5/11/2026  
LAURA A. SANDA, PE DATE  
LICENSE NO. 082966  
MCFARLAND-JOHNSON, INC.

LOFT ROAD OVER SCHENEVUS CREEK		
BRIDGE REPLACEMENT		
TOWN OF MARYLAND		
BIN 2227620		
COUNTY: OTSEGO		
FED. ROAD REG. NO.	STATE	SHEET NO.
1	N.Y.	1
CAPITAL PROJECT IDENTIFICATION NO. 9755.19		
INDEX ON SHEET NO. 2		

ACCEPTED BY

BRIAN DIERKS  
TOWN SUPERVISOR  
TOWN OF MARYLAND  
RESPONSIBLE LOCAL OFFICIAL

DATE

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

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

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					
	BRIDGE REPLACEMENT					
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9			INDEX & ABBREVIATIONS	DRAWING NO. IND-1 SHEET NO. 2 OF 68

DRAWING INDEX		
SHEET. NO.	DESCRIPTION	DWG. NO.
1	COVER SHEET	C-1
2	INDEX & ABBREVIATIONS	IND-1
3	LEGEND (1 OF 2)	LEG-1
4	LEGEND (2 OF 2)	LEG-2
5	TYPICAL ROADWAY SECTIONS	TYP-1
6	GENERAL NOTES	GNN-1
7	I-88 LANE CLOSURE FOR LOFT RD CONSTRUCTION ACCESS (1 OF 2)	MPP-1
8	I-88 LANE CLOSURE FOR LOFT RD CONSTRUCTION ACCESS (2 OF 2)	MPP-2
9	TEMPORARY SIGNAL PLAN	MPP-3
10	WORK ZONE TYPICAL SECTIONS	MPP-4
11	TEMPORARY SIGNAL PLAN NOTES AND DETAILS	MPP-5
12	BASELINE TIES AND PROPOSED ALIGNMENTS (1 OF 2)	BLT-1
13	BASELINE TIES AND PROPOSED ALIGNMENTS (2 OF 2)	BLT-2
14	ELECTRONIC FILES IDENTIFIED AS PLANS	ELE-1
15	MISCELLANEOUS TABLES	MST-1
16	EROSION AND SEDIMENT CONTROL NOTES AND TABLE	ECN-1
17	EROSION AND SEDIMENT CONTROL DETAILS	ECD-1
18	EROSION AND SEDIMENT CONTROL PLAN	ECP-1
19	ROADWAY PLAN	GNP-1
20	PROPOSED PROFILE	GPR-1
21	PROPOSED DITCH PROFILE AND DRAINAGE DETAILS	GPR-2
22	SIGNING, STRIPING, AND SNOWPLOW MARKER PLAN	SGP-1
23	DRY HYDRANT PLAN	DRD-1
24	DRY HYDRANT DETAILS	DRD-2
25	UTILITY PLAN	UTP-1
26	RETAINING WALL PLAN	WAL-1
27	RETAINING WALL DETAILS	WAL-2
28	GENERAL PLAN	ST-1
29	ELEVATION	ST-2
30	TYPICAL BRIDGE AND APPROACH SECTIONS	ST-3
31	REMOVAL OF EXISTING STRUCTURE	ST-4
32	BEGIN ABUTMENT EXCAVATION AND EMBANKMENT PLAN	ST-5
33	BEGIN ABUTMENT EXCAVATION AND EMBANKMENT SECTION	ST-6
34	END ABUTMENT EXCAVATION AND EMBANKMENT PLAN	ST-7
35	END ABUTMENT EXCAVATION AND EMBANKMENT SECTION	ST-8
36	PILE AND LAGGING WALL PLAN (1 OF 2)	ST-9
37	PILE AND LAGGING WALL PLAN (2 OF 2)	ST-10
38	BEGIN ABUTMENT PLAN AND ELEVATION	ST-11
39	BEGIN ABUTMENT PILE LAYOUT	ST-12
40	BEGIN ABUTMENT REINFORCEMENT SECTIONS (1 OF 3)	ST-13
41	BEGIN ABUTMENT REINFORCEMENT SECTIONS (2 OF 3)	ST-14
42	BEGIN ABUTMENT REINFORCEMENT SECTIONS (3 OF 3)	ST-15
43	END ABUTMENT PLAN AND ELEVATION	ST-16
44	END ABUTMENT PILE LAYOUT	ST-17
45	END ABUTMENT REINFORCEMENT SECTIONS (1 OF 3)	ST-18
46	END ABUTMENT REINFORCEMENT SECTIONS (2 OF 3)	ST-19
47	END ABUTMENT REINFORCEMENT SECTIONS (3 OF 3)	ST-20
48	MISCELLANEOUS ABUTMENT DETAILS	ST-21
49	BEARING DETAILS (1 OF 2)	ST-22
50	BEARING DETAILS (2 OF 2)	ST-23
51	TRANSVERSE BRIDGE SECTION AND DETAILS	ST-24
52	FRAMING PLAN AND GIRDER ELEVATION	ST-25
53	DIAPHRAGM AND GIRDER DETAILS	ST-26
54	HAUNCH TABLE, CAMBER TABLE AND DETAILS	ST-27
55	MOMENT AND SHEAR TABLE AND DESIGN LOAD TABLES	ST-28
56	SUPERSTRUCTURE SLAB REINFORCEMENT PLAN	ST-29
57	APPROACH SLAB REINFORCEMENT PLANS	ST-30
58	APPROACH SLAB DETAILS	ST-31
59	ARMORLESS JOINT DETAILS	ST-32
60	CONCRETE BARRIER AND STEEL RAIL LAYOUT	ST-33
61	CONCRETE BARRIER DETAILS (1 OF 3)	ST-34
62	CONCRETE BARRIER DETAILS (2 OF 3)	ST-35
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64	BOX BEAM GUIDE RAIL TRANSITION TO SINGLE SLOPE (HALF SECTION) CONCRETE BARRIER I	ST-37
65	BOX BEAM GUIDE RAIL TRANSITION TO SINGLE SLOPE (HALF SECTION) CONCRETE BARRIER II	ST-38
66	BOX BEAM GUIDE RAIL TRANSITION TO SINGLE SLOPE (HALF SECTION) CONCRETE BARRIER III	ST-39
67	BOX BEAM SPLICE DETAILS	ST-40
68	BOX BEAM POST DETAILS	ST-41

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

- THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
- FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
- FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
- PROPOSED FEATURE SYMBOLOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 in ON B SIZE DRAWINGS).
- MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
- FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

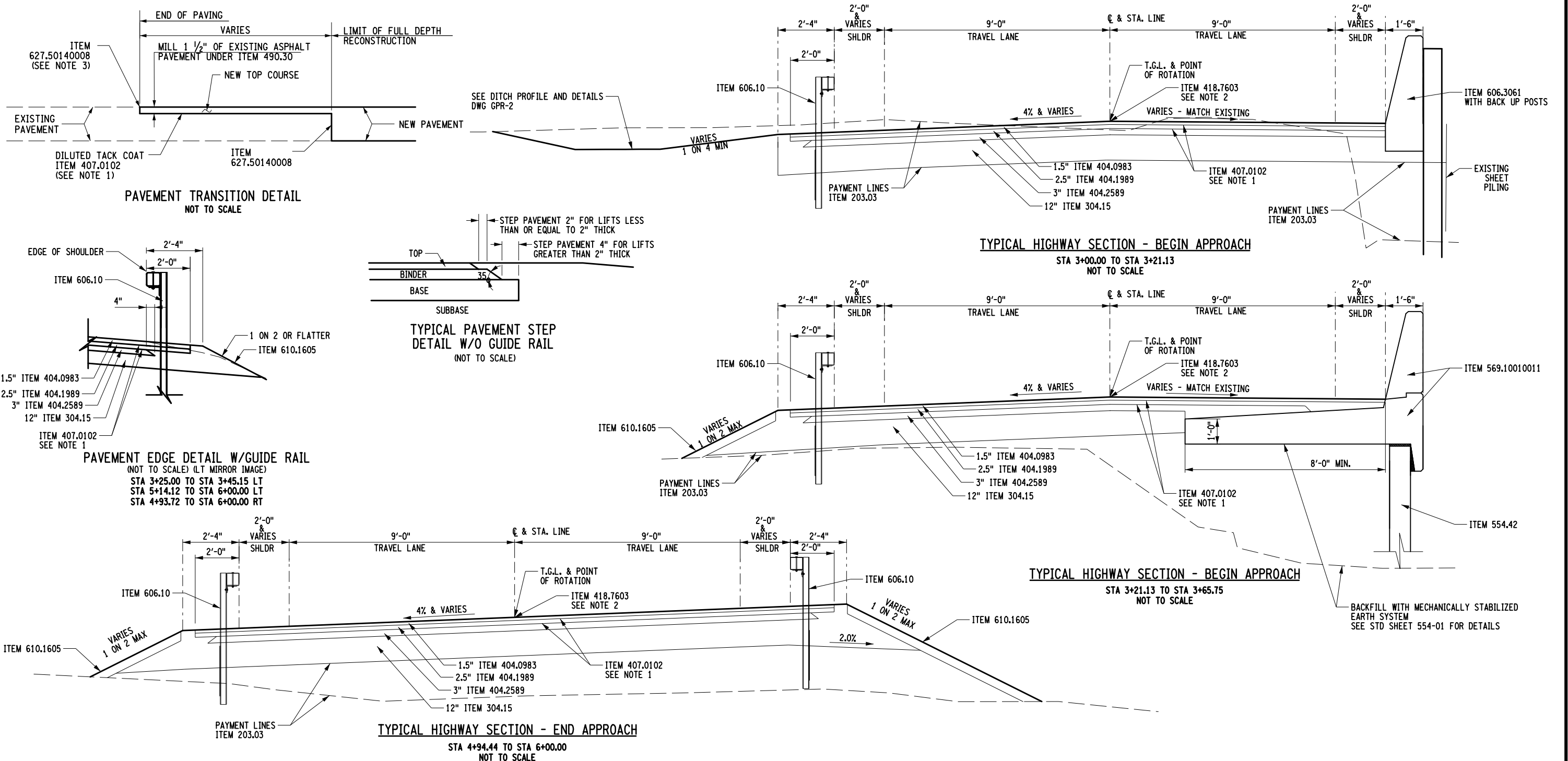
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					
	BRIDGE REPLACEMENT					
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9	LEGEND (1 OF 2)			DRAWING NO. LEG-1
						SHEET NO. 3 OF 68

ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			UTILITIES					
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION			
⊗	ACC	CENTER OF CURVATURE	+	DINV	INVERT	⊕	IANT P	ANTENNAS	⊕	MDL1P	DEED LINE, TYPE 1	⊕	S	SINGLE POST	⊕	UEB	ELECTRIC, BOX			
+	ACOGO	COGO	▤	DS	STRUCTURE, RECTANGULAR	⊕	IASCTS	ACCOU. SPEED/COUNT SNSR.S	⊕	MDL2P	DEED LINE, TYPE 2	⊕	S.P	SINGLE POST, PROPOSED	⊕	UEM	ELECTRIC, METER			
⊙	ACS	CURVE TO SPIRAL	+	DSI	STRUCTURE, INVERT	⊕	ICABPAD	CABINET & PAD	⊕	MDL3P	DEED LINE, TYPE 3	⊕	SB.P	BACK TO BACK, PROPOSED	⊕	UEMH	ELECTRIC, MANHOLE			
△	ADPL.P	DETOUR, POINT OF INTERSECT.	⊕	DSM	STRUCTURE, MANHOLE	⊕	ICCTV	CCTV SITE	⊕	MDL4P	DEED LINE, TYPE 4	⊕	SDEL	DELINEATORS	⊕	UEPT	ELECTRIC, POLE, TRANS.			
○	ADPL.P	DETOUR, POINT ON LINE	⊕	DSMTXX.P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96	⊕	ICDPD	CDPD TRANSCEIVER	⊕	MDL5P	DEED LINE, TYPE 5	⊕	SPM	PARKING METER	⊕	UGM	GAS, METER			
○	AEQN	EQUATION	⊕	DSR	STRUCTURE, ROUND	⊕	ICELLT	CELL PHONE TOWER	⊕	MEEP	EASEMENT, EXISTING	⊕	SRM	REFERENCE MARKERS	⊕	UGMH	GAS, MANHOLE			
⊙	AEQNAHD	EQUATION AHEAD	⊕	DST"X"CB P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊕	ICJB	CONDUIT JACK OR BORING	⊕	MEPAP.P	EASEMENT, PERM., APPROX.	⊕	SRSC3	SHLD, CTY, 123 DIG.	⊕	UGLM	GAS, LINE MARKER			
⊙	AEQNBK	EQUATION BACK	⊕	DST"X" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U	⊕	ICNTLCAB	CONTROLLER CABINET	⊕	MEPP.P	EASEMENT, PERM., BACK LINE	⊕	SRSC4	SHLD, CTY, 4 DIG.	⊕	UGP	GAS/FUEL PUMP			
⊙	AEVT	EVENT STATION	ENVIRONMENTAL			⊕	ICPB	COMMUNICATION PULL BOX	⊕	MEPSP.P	EASEMENT, PERM., SHAPE	⊕	SRSCT2	SHLD, CTY TOUR, 1-2 DIG.	⊕	UGV	GAS, VALVE			
⊙	APC	POINT OF CURVATURE				⊕	ICTD	CONDUIT TURNING DOWN	⊕	MFAP.P	FEE ACQUISITION, APPROX.	⊕	SRSCT4	SHLD, CTY TOUR, 3-4 DIG.	⊕	UGVT	GAS, VENT	⊕	ULP	LIGHTING, POLE
⊙	APCC	POINT OF COMPOUND CURVATURE	⊕	ICVT	COMM. VEH. ROAD TRANSCEIVER	⊕	MFSP.P	FEE ACQUISITION, SHAPE	⊕	SRSN2	SHLD, NATIONAL, 2 DIG.	⊕	ULPM	LIGHTING, POLE, MEDIAN	⊕	ULPP	LIGHTING, POLE, PED.			
△	API	POINT OF INTERSECTION	⊕	IDFAULT	DEFAULT	⊕	MHBAP	HIGHWAY BNDRY., APPROX.	⊕	SRSN3	SHLD, NATIONAL, 3 DIG.	⊕	UMFC	MISC. FILLER CAP	⊕	UOLM	OIL, LINE MARKER			
△	APOB	POINT OF BEGINNING	⊕	IEZR	E-ZPASS READER	⊕	MHBCP	HISTORICAL, BLDG. CORNERS	⊕	SRSS2	SHLD, STATE, 2 DIG.	⊕	UP	POLE, WITH UTILITY	⊕	UPD	POLE, DEAD (NO UTILITY)			
⊙	APOC	POINT OF CURVATURE	⊕	IEZTR	TRANSMITTAL READER	⊕	MHBP	HIGHWAY BNDRY, PT.	⊕	SRSS3	SHLD, STATE, 3 DIG.	⊕	UPD	POLE, WITH LIGHT	⊕	USMH	SANITARY SEWER MANHOLE			
△	APOE	POINT OF END	⊕	IFUSSPL	FUSION SPLICE	⊕	MJCP	PT., JURIS. CITY	⊕	SRSS4	SHLD, STATE, 4 DIG.	TRAFFIC CONTROL			⊕	UTB	TELEPHONE, BOOTH			
⊙	APOL	POINT ON LINE	⊕	IHARADV	HAR ADVISORY SIGN	⊕	MPBC	PT., BUILDING CORNER	⊕	TCBJ	BOX, JUNCTION				⊕	UTM	TELEPHONE, LINE MARKER			
⊙	APOS	POINT ON SPIRAL	⊕	IHARST	HAR SITE	⊕	MPCC	PT., CROSS CUT	⊕	TCBP	BOX, PULL BOX	⊕	UTLM	TELEPHONE, LINE MARKER	⊕	UTMH	TELEPHONE, MANHOLE			
⊙	APOT	POINT ON TANGENT	⊕	ILC	LOAD CENTER	⊕	MPDH	PT., DRILL HOLE	⊕	TCBS	BOX, SPLICE	⊕	UTVLM	CABLE TV, LINE MARKER	⊕	UTVPB	CABLE TV, PULL BOX			
△	APOVC	POINT ON VERTICAL CURVE	⊕	IMECSPL	MECHANICAL SPLICE	⊕	MPF	PT., FENCE LOCATION	⊕	TCMC	MICROCOMPUTER CABINET	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
△	APOVT	POINT ON VERTICAL TANGENT	⊕	IMSCS	PORT. SPEED & COUNT SENSOR	⊕	MPIP	PT., IRON PIPE	⊕	TCPP	PED POLE	TRAFFIC WORK ZONE			⊕	UUB	UNKNOWN, BOX			
Y	APORC	POINT ON REVERSE CURVE	⊕	IMSCTS	MICRO SPEED & COUNT SENSOR	⊕	MPIR	PT., IRON ROD	⊕	TCSH	SIGNAL HEADS				⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX
⊙	APT	POINT OF TANGENCY	⊕	IMT	MICROWAVE TRANSCEIVER	⊕	MPMM	PT., MONUMENT, MISC.	⊕	TCSP	SIGNAL POLE	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	APVC	POINT OF VERTICAL CURVATURE	⊕	IOVHMS	PERM. OVERHEAD VMS	⊕	MPN	PT., NAIL	⊕	TWZAP.P	ARROW PANEL	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
△	APVCC	POINT OF VERT. CMPND CURVE	⊕	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	⊕	MPRS	PT., RAILROAD SPIKE	⊕	TWZAPC.P	ARROW PANEL, CAUTION MODE	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
△	APVI	POINT OF VERT. INTERSECTION	⊕	IPEDS	PEDESTRIAN SIGNAL HEAD	⊕	MPSP	PT., SPIKE	⊕	TWZAPT.P	ARROW PANEL, TRAILER OR SUPPORT	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
△	APVRC	POINT OF VERT. REVERSE CURVE	⊕	IPSS	PAVEMENT SURFACE SENSOR	⊕	MPST	PT., STAKE	⊕	TWZBDC.P	BARRICADE (TYPE III)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	APVT	POINT OF VERTICAL TANGENCY	⊕	IPVMS	PERM. VMS	⊕	MPTW	PT., TREE W/ WIRE	⊕	TWZBDC.P	BARRICADE (TYPE III)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	ASC	SPIRAL TO CURVE	⊕	IRM	RAMP METER	⊕	MPWL	PT., WALL LOCATION	⊕	TWZCMS.P	CHANGEABLE MESSAGE SIGN (PVMS)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	ASPI	SPIRAL POINT OF INTERSECTION	⊕	IRWIS	RDWY WEATHER INFO. SENSOR	ROW ACQUISITION			⊕	TWZFLG.P	FLAGGER	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	ASTS	SPIRAL TO SPIRAL	⊕	IS	SOLAR PANEL				⊕	MFS.P.T	FEE ACQUISITION	⊕	TWZFT.P	FLAG TREE	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX
⊙	AST	SPIRAL TO TANGENT	⊕	ISST	SPREAD SPECT. TRANSCEIVER	⊕	MEPS.P.T	EASEMENT, PERMANENT	⊕	TWZIA.P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	ATS	TANGENT TO SPIRAL	⊕	ITDB	TELEPHONE DEMARCATION BLK	⊕	METS.P.T	EASEMENT, TEMPORARY	⊕	TWZLUM.P	LUMINAIRE (TEMPORARY)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
△	AVEVT	VERTICAL EVENT POINT	⊕	ITP	SUBSURFACE TEMP. PROBE	⊕	METS.P.T	OCCUPANCY, TEMPORARY	⊕	TWZSDT.P	SYMBOL, DIRECTION OF TRAFFIC	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	AVHIGH	VERTICAL HIGH POINT	⊕	IVTRT	VEHICLE TO RDWY TRANSCEIVER	⊕	METS.P.T	FEE ACQUISITION W/O ACCESS	⊕	TWZSDTD.P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊙	AVLOW	VERTICAL LOW POINT	⊕	IWIND	WEIGHT IN MOTION DETECTOR	⊕	MFS.P.T	FEE ACQUISITION W/O ACCESS	⊕	TWZSGN.P	SIGN (TEMPORARY)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
BRIDGE			⊕	IWVR	WIRELESS VIDEO REPEATER	ROADWAY			⊕	TWZSIG.P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
			⊕	IWVRC	WIRELESS VIDEO RECEIVER				⊕	TWZWL.P	WARNING LIGHT	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX
⊕	IWVTT	WIRELESS VIDEO TRANSMITTER	⊕	RES P	ELEVATION, SPOT	⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊕	BSC	BRIDGE, SCUPPER	⊕	RGA	GUIDE RAIL, ANCHOR	⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
CONTROL			⊕	RGP	GUIDE POST, SINGLE	LEGEND (2 OF 2)			⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
			⊕	CBP	BASELINE, POINT				⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX
⊕	CBPOL	BASELINE, POINT ON 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.).			⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊕	CBSP	BASELINE, SPUR POINT				⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX
⊕	CBTP	BASELINE, TIE POINT	AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:			⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX			
⊕	CPBM	BENCHMARK				⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX
⊕	CPH	POINT, HORIZ. PHOTOGRAMMETRY	LOFT ROAD	PIN 9755.19			⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX		
⊕	CPSM	POINT, SURVEY MARKER, PERM.	OVER SCHENEVUS CREEK				BRIDGES	2227620	⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX
⊕	CPSV	POINT, VERT., PHOTOGRAMMETRY	BRIDGE REPLACEMENT	REGION: 9			⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX		
UTILITIES			TOWN OF MARYLAND				ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER	LD040434	⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB
			⊕	CPV	POINT, VERT., PHOTOGRAMMETRY	COUNTY: OTSEGO	LEGEND (2 OF 2)	DRAWING NO.	LEG-2	⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB
UTILITIES			LEGEND (2 OF 2)			DRAWING NO. LEG-2 SHEET NO. 4 OF 68			⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX
									⊕	TWZVVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX	⊕	UUB	UNKNOWN, BOX

3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.  
4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 in ON B SIZE DRAWINGS).  
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.  
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK L. SANDA  
 DESIGN R. GENUNG  
 JOB MANAGER L. SANDA  
 DESIGN SUPERVISOR L. SANDA

FILE NAME = M:\18825.00\Loft Road Bridge Draw\Drawings\975519\_oph\_tjpd.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung



ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT	NOTES:
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY	1. ITEM 407.0102-DILUTED TACK COAT, SHALL BE USED BETWEEN ALL ASPHALT LAYERS
203.03	EMBANKMENT IN PLACE	CY	627.50140008	CUTTING PAVEMENT	LF	
304.15	SUBBASE COURSE, OPTIONAL TYPE	CY	554.42	FILL TYPE RETAINING WALL (GREATER THAN 12FT. - 18FT.)		
404.0983	9.5 F3 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON				
404.1989	19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON				2. ITEM 418.7603 SHALL BE USED ON VERTICAL FACES FOR ALL THE JOINTS ON THE SURFACE COURSE
404.2589	25 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON				
407.0102	DILUTED TACK COAT	GAL				3. FOR MOMENT SLAB DETAILS SEE DWG NO ST-36
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF				
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY				4. FOR FILL TYPE RETAINING WALL DETAILS, SEE DWG NO'S WAL-1 & WAL-2
569.10010011	SINGLE SLOPE HALF SECTION BRIDGE BARRIER WITH MOMENT SLAB	LF				
606.10	BOX BEAM GUIDE RAILING	LF				
606.3061	SINGLE SLOPE CONCRETE HALF SECTION BARRIER (OPTIONAL)	LF				



AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				<b>TYPICAL ROADWAY SECTIONS</b>	DRAWING NO. TYP-1
	BRIDGE REPLACEMENT					SHEET NO. 5 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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 = M:\18825.000 Loft Road Bridge\Draw\Drawings\975519\_opb\_gmn.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

DRAFTING M. VALLETTA/XXX

CHECK L. SANDA

DESIGN R. GENUNG

JOB MANAGER L. SANDA

DESIGN SUPERVISOR L. SANDA

**GENERAL NOTES:**

DESIGN SPECIFICATIONS: NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF MAY 2026. (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS:  $f_c = 4,000$  PSI, STEEL REINFORCEMENT: 60 KSI.)  
 CONSTRUCTION SPECIFICATIONS: NYSDOT STANDARD SPECIFICATIONS CONSTRUCTION AND MATERIALS WITH ALL PROVISIONS IN EFFECT AS OF MAY 2026.  
 THE BRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT VERSION OF AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES.

THE LOAD RATINGS ARE IN ACCORDANCE WITH THE AASHTO MANUAL FOR BRIDGE EVALUATION.  
 DESIGN LIVE LOAD: AASHTO HL-93

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 ARBITRARILY DIMENSIONED.

ALL SHOP DRAWINGS FOR THIS PROJECT SHALL BE PREPARED IN U.S. CUSTOMARY UNITS.  
 NO KNOWN ASBESTOS CONTAINING MATERIALS ARE BELIEVED TO EXIST AND/OR THE WORK PERFORMED UNDER THIS CONTRACT DOES NOT REQUIRE THE DISTURBANCE, DESTRUCTION OR REMOVAL OF ANY OF THESE MATERIALS. IT IS THE EXPRESS INTENT OF THIS CONTRACT THAT THESE MATERIALS ARE NOT TO BE DISTURBED IN ANY WAY. SHOULD THE CONTRACTOR DISTURB OR ENCOUNTER ANY SUCH MATERIALS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK AND NOTIFY THE ENGINEER. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM THE ENGINEER BEFORE PROCEEDING.

HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE.

**RAILROAD NOTES:**

THE CONTRACTOR SHALL CONDUCT WORK IN ACCORDANCE WITH §105-109 - WORK AFFECTING RAILROADS OF THE NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS.

THE CONTRACTOR IS REQUIRED TO COMPLETE A CONSTRUCTION RIGHT OF ENTRY AGREEMENT WITH NORFOLK SOUTHERN PRIOR TO STARTING WORK ON NORFOLK SOUTHERN RIGHT-OF-WAY.

THE CONTRACTOR WILL NOT BE PERMITTED TO STORE ANY EQUIPMENT ON NORFOLK SOUTHERN PROPERTY WITHOUT PERMISSION FROM THE NORFOLK SOUTHERN RAILROAD ENGINEER IN ACCORDANCE WITH SECTION E.6.K.1 OF NORFOLK SOUTHERN PUBLIC PROJECTS MANUAL.

**FOUNDATION NOTES:**

WHEN PILES ARE TO BE PLACED THROUGH THE EMBANKMENT (6 INCHES MAXIMUM TOP SIZE), THE EMBANKMENT SHALL BE COMPACTED TO 95 PERCENT OF STANDARD PROCTOR MAXIMUM DENSITY.

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 THE SELECT STRUCTURAL FILL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.21 SELECT STRUCTURE FILL.

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

**SUBSTRUCTURE NOTES:**

TOP OF BACKWALLS SHALL BE STEEL TROWEL FINISHED. TWO SHEETS OF SHEET GASKET (TREATED BOTH SIDES), §728-06, SHALL BE PLACED ON THE TOP OF BACKWALLS OF FIXED AND EXPANSION ABUTMENTS. THE CONTRACTOR SHALL INCLUDE COSTS FOR THIS WORK IN THE UNIT PRICE BID FOR THE APPROACH SLAB ITEM.

THE PROVISIONS OF 555-3.11 CORRECTIVE FINISHING, WITH REGARD TO REMOVING RUST STAINS FROM CONCRETE EXPOSED TO VIEW ARE WAIVED. RUST STAINS SHALL NOT BE REMOVED FROM THIS SUBSTRUCTURE ON THIS BRIDGE.

THE CONTRACTOR, WITH THE APPROVAL OF THE ENGINEER, 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, CONSTRUCTION AND EXPANSION JOINTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.

AFFIX SEAL: On: ALTERED BY: On:



**COFFERDAM AND HYDRAULIC NOTES:**

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

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 FROM THE TYPE OF COFFERDAM SYSTEM CALLED FOR ON THE PLANS, THE CONTRACTOR SHALL SUBMIT THE CHANGES TO THE ENGINEER FOR REVIEW AND APPROVAL.

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.

ORDINARY HIGH WATER IS ESTIMATED TO BE 1186.61. 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 2.33 YEARS.

ORDINARY WATER IS ESTIMATED TO BE 1186.10. ORDINARY WATER IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (OTHER THAN MAJOR FLOODS). IT IS ALWAYS LESS THAN THE ORDINARY HIGH WATER ELEVATION AND IT IS USUALLY AN OBSERVED ELEVATION RATHER THAN A COMPUTED ONE.

LOW WATER IS ESTIMATED TO BE 1186.00. 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.

**SUPERSTRUCTURE NOTES:**

ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A709, GRADE 50.

DIAPHRAGMS SHALL BE FABRICATED TO FIT GIRDERS ERECTED WITH THEIR WEBS PLUMB UNDER FULL DEAD LOAD CONDITIONS, ALSO KNOWN AS TOTAL DEAD LOAD FIT (TDLF).

FOR THE VARIOUS LUMP SUM STRUCTURAL STEEL ITEMS IN THE CONTRACT, THE "ESTIMATE OF TOTAL WEIGHT" IS AS FOLLOWS:

ITEM	ESTIMATE OF TOTAL WEIGHT
564.0501	91,197 POUNDS

THE "ESTIMATE OF TOTAL WEIGHT" SHALL BE USED TO DOCUMENT THE ENGINEER'S ESTIMATED AMOUNT OF STRUCTURAL STEEL REQUIRED FOR THE CONTRACT. UNDER NO CIRCUMSTANCES SHALL THESE WEIGHTS BE USED FOR FINAL PAYMENT PURPOSES. THE CONTRACTOR IS ADVISED NOT TO USE THESE WEIGHTS AS A BIDDING TOOL. DISCREPANCIES BETWEEN THE TOTAL WEIGHT SHIPPED AND THE "ESTIMATE OF TOTAL WEIGHT" SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION.

**METALIZING NOTES:**

ALL GIRDERS, INCLUDING STIFFENERS AND CONNECTION PLATES, SHALL BE METALIZED. METALIZING SHALL WRAP 1" OVER THE TOP FLANGE. THE METALIZING SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 572.00020101 - METALIZING.

ALL PRIMARY AND SECONDARY MEMBERS (DIAPHRAGMS, LATERAL BRACING, SHIMS, ETC.) SHALL BE METALIZED. THE COST FOR METALIZING SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 572.00020001 - METALIZING. THE CONTRACTOR HAS THE OPTION OF HOT-DIP GALVANIZING THE SECONDARY MEMBERS. IF THE CONTRACTOR ELECTS TO HOT-DIP GALVANIZE THESE MEMBERS, HOT-DIP GALVANIZING SHALL MEET THE REQUIREMENTS OF §719-01 TYPE I OF THE NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS. THE COST OF HOT-DIP GALVANIZING SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 572.00020001 - METALIZING.

ALL EXPOSED STEEL COMPONENTS OF THE BRIDGE BEARINGS, INCLUDING THE SOLE PLATE AND THE MASONRY PLATE, SHALL BE METALIZED. THE COST OF METALIZING SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 572.0020001 - METALIZING.

ALL BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.

DRILLED HOLES SHALL BE CLEANED OF ALL EXCESS MATERIAL THAT PREVENTS THE PROPER INSTALLATION OF THE BOLTS.

**STEEL ERECTION NOTES:**

THE CONTRACTOR SHALL PROVIDE FOR THE STABILITY OF STRUCTURAL STEEL DURING ALL PHASES OF ERECTION AND CONSTRUCTION, AS PROVIDED IN SECTION 2, SUBSECTION 204 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM). THE MEANS AND METHODS USED BY THE CONTRACTOR SHALL BE DOCUMENTED ON THE ERECTION DRAWINGS AND INCLUDED IN THE SUPPORTING STABILITY CALCULATIONS. THE ERECTION DRAWINGS AND STABILITY CALCULATIONS SHALL BE SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER AND SUBMITTED TO THE ENGINEER IN ACCORDANCE WITH THE SCM.

**STEEL ERECTION NOTES CONTINUED:**

THE DESIGN OF THIS STRUCTURE ASSUMES THAT THE STRUCTURAL STEEL IS COMPLETELY ERECTED BEFORE IT IS ALLOWED TO DEFLECT UNDER ITS OWN DEAD LOAD. DEFLECTIONS INCURRED DURING THE VARIOUS STAGES OF THE ERECTION ARE NOT CONSIDERED. THEREFORE, THE ACTUAL ERECTION MEANS AND METHODS EMPLOYED BY THE CONTRACTOR MAY HAVE A SUBSTANTIAL EFFECT ON THE FINAL STEEL PROFILE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE FINAL ALIGNMENT AND PROFILE OF THE ERECTED STEEL CONFORMS TO SECTION 12, SUBSECTIONS 1213, 1214, AND 1215 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM). ANY CORRECTIVE WORK NECESSARY TO RE-POSITION PREVIOUSLY ERECTED STEEL TO ACHIEVE ACCEPTABLE ALIGNMENT AND PROFILE SHALL BE SUBMITTED TO THE ENGINEER IN ACCORDANCE WITH THE SCM. ANY CORRECTIVE WORK NECESSARY SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE TOWN.

**STEEL CONSTRUCTION NOTES:**

DIMENSIONS FOR THICKNESSES OF STEEL ROLLED ANGLE SHAPES AND STRUCTURAL TUBING ARE SHOWN ACCORDING TO THE AISC MANUAL.

**SUPERSTRUCTURE SLAB NOTES:**

THE PROVISIONS OF THE CURRENT SPECIFICATIONS FOR SUPERSTRUCTURE SLABS ALLOW THE OPTION OF 3 FORMING SYSTEMS FOR THE SLABS. ON THIS BRIDGE, ONLY THE FOLLOWING OPTION WILL BE PERMITTED:

- A. REMOVABLE WOODEN FORMS
- B. PERMANENT CORRUGATED METAL

THE DETAILS FOR THE BARRIER REINFORCEMENT ARE FOR THE SLIP-FORMED OR CAST-IN-PLACE OPTION ONLY. COST OF BARRIER AND ANCHORAGE REINFORCEMENT ORIGINATING IN THE DECK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BARRIER ITEM.

TOP SURFACES OF NEW BRIDGE DECKS AND APPROACH SLABS SHALL BE SEALED IN ACCORDANCE WITH ITEM 559.01 - PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS.

BARLISTS ARE NOT PROVIDED FOR SUPERSTRUCTURE SLABS, APPROACH SLABS, AND/OR SIDEWALKS. THE PROVISIONS OF §557-3.17 - NO BARLIST PROVIDED, OF THE NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS SHALL APPLY. A REVIEW TIME OF TWO DAYS PER PLACEMENT DRAWING, WITH A MINIMUM OF 15 DAYS FOR EACH SUBMISSION WILL BE ALLOWED UPON RECEIPT OF THE SUBMISSION.

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 E.I.C.

**REMOVAL NOTES:**

EXISTING SUBSTRUCTURES SHALL BE REMOVED WITHIN THE PAY LIMITS SHOWN IN THE PLANS UNDER ITEM 202.19 - REMOVAL OF SUBSTRUCTURES.

EXISTING SUPERSTRUCTURE SHALL BE REMOVED UNDER ITEM 202.120001- REMOVING EXISTING SUPERSTRUCTURES.

SUPERSTRUCTURE REMOVAL SHALL MEET THE PROVISIONS OF §202-3.01 - GENERAL AND SAFETY REQUIREMENTS, OF THE NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS. A REMOVAL PLAN SHALL BE SUBMITTED TO THE ENGINEER FIFTEEN (15) DAYS PRIOR TO BEGINNING THE DEMOLITION. THE REQUIREMENT THAT IT BE SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER IS WAIVED.

RECORD PLANS FOR THIS STRUCTURE ARE NOT AVAILABLE.

LOOSE AND/OR PEELING PAINT ON STEEL SURFACES MAY BECOME DISLODGED DURING REMOVAL OPERATIONS DURING TRANSPORTATION FROM THE SITE UNLESS APPROPRIATE MEASURES ARE TAKEN. THE CONTRACTOR SHALL FORMULATE AND SUBMIT A METHOD OF REMEDIATING THE CONDITION FOR APPROVAL BY THE ENGINEER. WORKER LEAD PROTECTION IN ACCORDANCE WITH 29 CFR 1926.62 SHALL BE SATISFIED. REMEDIATION METHODS COULD INCLUDE TRANSPORTING EFFECTED MEMBERS IN CLOSED TRUCKS, WRAPPING AFFECTED MEMBERS PRIOR TO REMOVAL, ENCAPSULATING THE LOOSE PAINT OR REMOVAL OF LOOSE PAINT PRIOR TO DISMANTLING OPERATIONS. THE COST OF REMEDIATING THE CONDITION SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR SUPERSTRUCTURE REMOVAL ITEM. THE USE OF ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEMS WILL BE REQUIRED. DEPENDING ON THE ALTERNATIVE CHOSEN, THE TREATMENT AND DISPOSAL OF PAINT WASTE ITEM MAY BE REQUIRED. BECAUSE OF THE ABOVE MENTIONED CONDITION, THE CONTRACTOR SHALL EXAMINE THE CONDITION OF THE STRUCTURE'S PAINT PRIOR TO SUBMITTING A BID.

**RECONSTRUCTION NOTES:**

DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.

THE CONTRACTOR SHALL VERIFY DIMENSIONS. THE COST OF FIELD VERIFYING DIMENSIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THOSE ITEMS.

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 TOWN, 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 TOWN, 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 BRIDGE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE STOPPED UNTIL ADEQUATE PROTECTION IS PROVIDED.

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

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 FOLLOWING CONCRETE ELEMENTS SHALL BE SEALED ACCORDING TO ITEM 559.02 - PROTECTIVE SEALING ON NEW STRUCTURAL CONCRETE: ALL EXPOSED FACES OF THE ABUTMENTS AND WINGWALLS.

IF THE STRUCTURE HAS A BRIDGE IDENTIFICATION NUMBER (B.I.N.) PLATE ATTACHED, THE CONTRACTOR SHALL REMOVE IT AND REMOUNT IT ON THE STRUCTURE AFTER CONSTRUCTION IS COMPLETED.

**ENVIRONMENTAL NOTES:**

NO IN WATER WORK WILL OCCUR FROM SEPTEMBER 30 TO JUNE 15 DUE TO THE PRESENCE OF A COLD WATER FISHERY.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					
	BRIDGE REPLACEMENT				GENERAL NOTES	DRAWING NO. GNN-1
	TOWN OF MARYLAND					SHEET NO. 6 OF 68
	COUNTY: OTSEGO	REGION: 9				
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.						

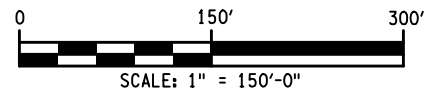


FILE NAME = M:\18825.000 Loft Road Bridge Drawings\975519\_oph\_mpp-01.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA JOB MANAGER L. SANDA DESIGN R. GENUNG CHECK L. SANDA DRAFTING M. VALLETTA/XXX CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



- NOTES:
- 1) CHANNELIZING DEVICES SHALL BE LOCATED IN THE CENTER OF THE CLOSED LANE AND SHALL BE REMOVED FROM THE ROADWAY WHEN THE ACCESS ROAD IS NOT IN USE.
  - 2) INSTALL TYPE III CONSTRUCTION BARRICADES, ITEM 619.04, TO BLOCK OPENING WHEN NOT IN USE.
  - 3) SIGNS ON I-88 SHALL BE COVERED WHEN ACCESS ROAD NOT IN USE.
  - 4) THE CONTRACTOR SHALL OBTAIN ALL NECESSARY WORK PERMITS FROM THE NYS DEPARTMENT OF TRANSPORTATION AND OTSEGO COUNTY AS APPLICABLE FOR ESTABLISHING THE DETOUR AROUND THE WORK SITE. COPIES OF THE APPROVED PERMITS SHALL BE PROVIDED TO THE ENGINEER PRIOR TO ESTABLISHING THE DETOUR.

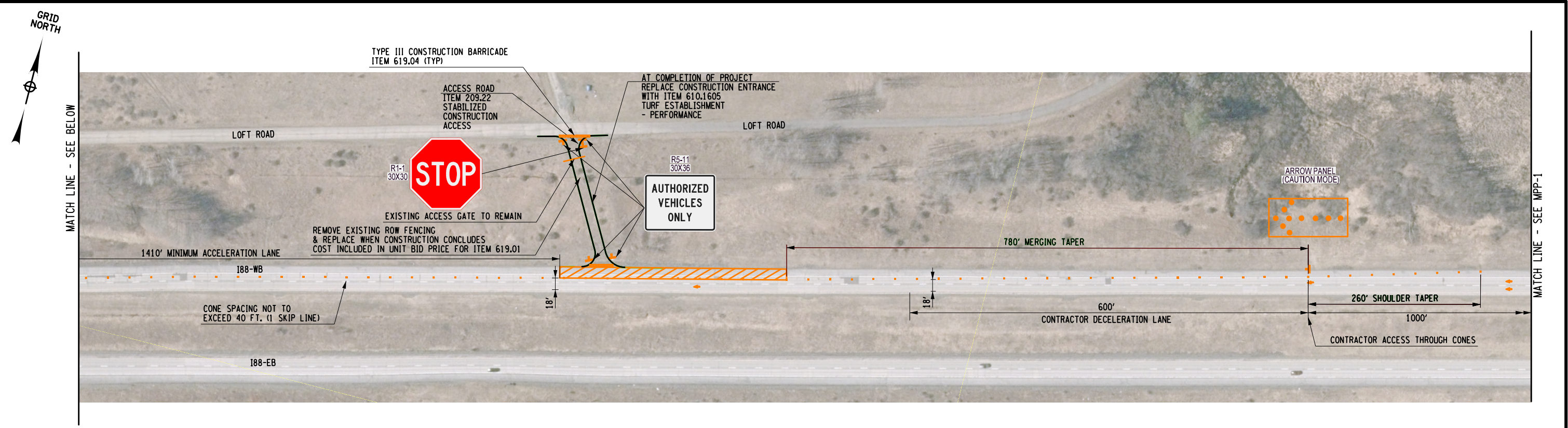


AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				<b>I-88 LANE CLOSURE FOR LOFT ROAD CONSTRUCTION ACCESS (1 OF 2)</b>	DRAWING NO. MPP-1
	BRIDGE REPLACEMENT					SHEET NO. 7 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				
<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>						
						 <small>McFARLAND-JOHNSON, INC. 46 COURT STREET, SUITE 200 BRIDGEHARTLAND, NEW YORK 13813</small>

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 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
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  - 4) THE CONTRACTOR SHALL OBTAIN ALL NECESSARY WORK PERMITS FROM THE NYS DEPARTMENT OF TRANSPORTATION AND OTSEGO COUNTY AS APPLICABLE FOR ESTABLISHING THE DETOUR AROUND THE WORK SITE. COPIES OF THE APPROVED PERMITS SHALL BE PROVIDED TO THE ENGINEER PRIOR TO ESTABLISHING THE DETOUR.
  - 5) TEMPORARY LANE CLOSURE WILL BE USED AS NEEDED BY THE CONTRACTOR DURING CONSTRUCTION, AND WILL BE REMOVED AT THE END OF EACH WORK DAY ON WHICH IT'S UTILIZED.
  6. ANY ADDITIONAL MODIFICATIONS TO THE EXISITING TEMPORARY ACCESS ROAD REQUIRED BY THE CONTRACTOR TO UTILIZE FOR COSNTRUCTION EQUIPMENT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 619.01
  7. THE CONTRACTOR SHALL SECURE A JOINT NYSDOT HIGHWAY WORK PERMIT WITH THE TOWN AS CO-APPLICANT. THE CONTRACTOR SHALL SECURE THE BONDS AND PAY ALL NYSDOT PERMIT FEES.
  8. THE CONTRACTOR SHALL NOTIFY THE NYSDOT REGIONAL TRAFFIC OPERATIONS CENTER OF ALL LANE AND SHOULDER CLOSURES IN ADVANCE OF THE PROPOSED WORK AT 607-772-6264.



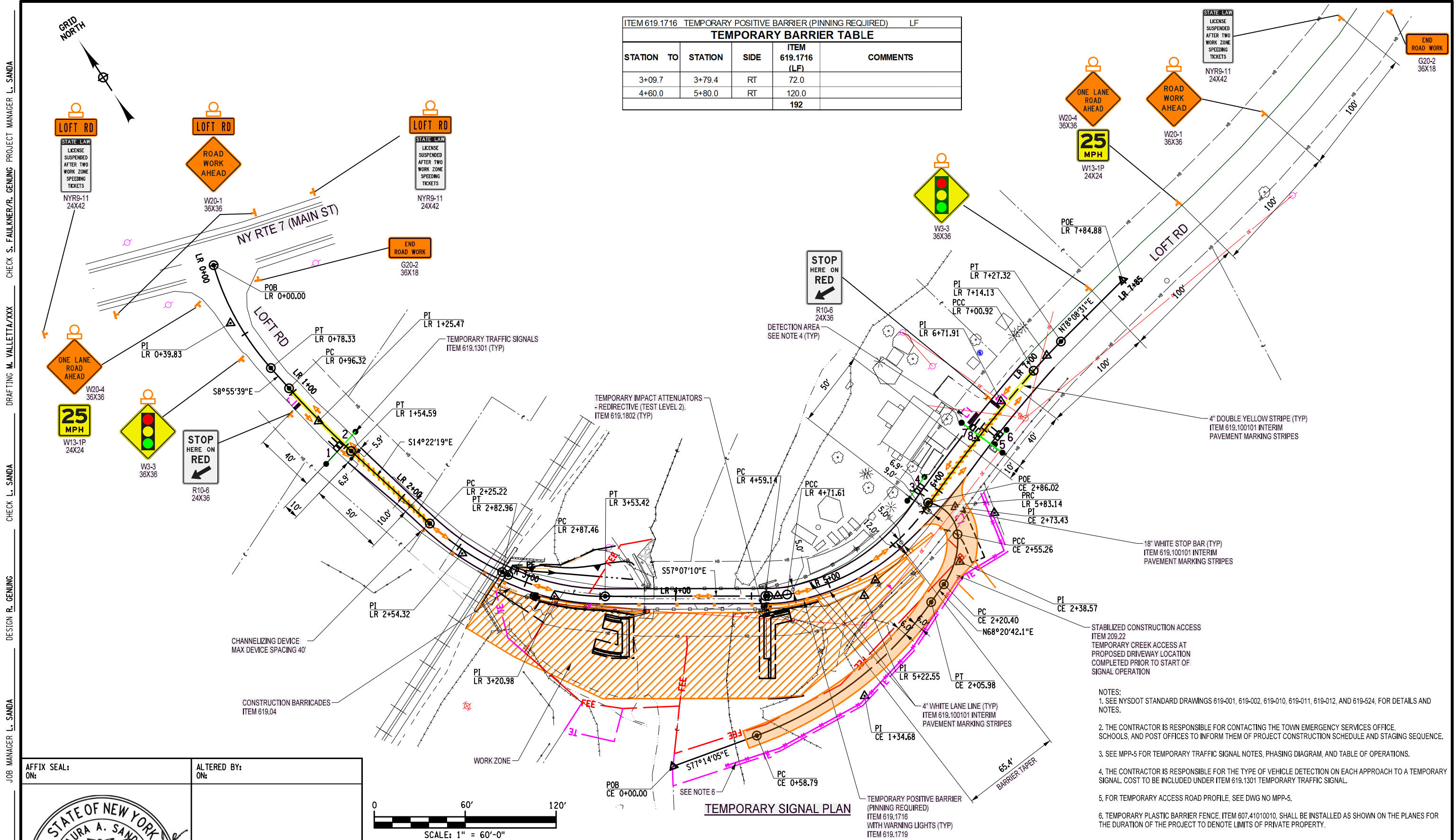
AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				<b>I-88 LANE CLOSURE FOR LOFT ROAD CONSTRUCTION ACCESS (2 OF 2)</b>	DRAWING NO. MPP-2
	BRIDGE REPLACEMENT					SHEET NO. 8 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

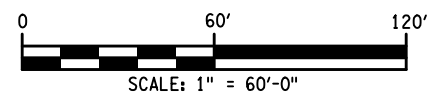
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ITEM 619.1716 TEMPORARY POSITIVE BARRIER (PINNING REQUIRED) LF				
TEMPORARY BARRIER TABLE				
STATION TO	STATION	SIDE	ITEM 619.1716 (LF)	COMMENTS
3+09.7	3+79.4	RT	72.0	
4+60.0	5+80.0	RT	120.0	
			192	



- NOTES:
- SEE NYSDOT STANDARD DRAWINGS 619-001, 619-002, 619-010, 619-011, 619-012, AND 619-524, FOR DETAILS AND NOTES.
  - THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE TOWN EMERGENCY SERVICES OFFICE, SCHOOLS, AND POST OFFICES TO INFORM THEM OF PROJECT CONSTRUCTION SCHEDULE AND STAGING SEQUENCE.
  - SEE MPP-5 FOR TEMPORARY TRAFFIC SIGNAL NOTES, PHASING DIAGRAM, AND TABLE OF OPERATIONS.
  - THE CONTRACTOR IS RESPONSIBLE FOR THE TYPE OF VEHICLE DETECTION ON EACH APPROACH TO A TEMPORARY SIGNAL. COST TO BE INCLUDED UNDER ITEM 619.1301 TEMPORARY TRAFFIC SIGNAL.
  - FOR TEMPORARY ACCESS ROAD PROFILE, SEE DWG NO MPP-5.
  - TEMPORARY PLASTIC BARRIER FENCE, ITEM 607.41010010, SHALL BE INSTALLED AS SHOWN ON THE PLANES FOR THE DURATION OF THE PROJECT TO DENOTE LIMITS OF PRIVATE PROPERTY.



AS-BUILT REVISIONS	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
DESCRIPTION OF ALTERATIONS:	OVER SCHEVENS CREEK				TEMPORARY SIGNAL PLAN	DRAWING NO. MPP-3
	BRIDGE REPLACEMENT					SHEET NO. 9 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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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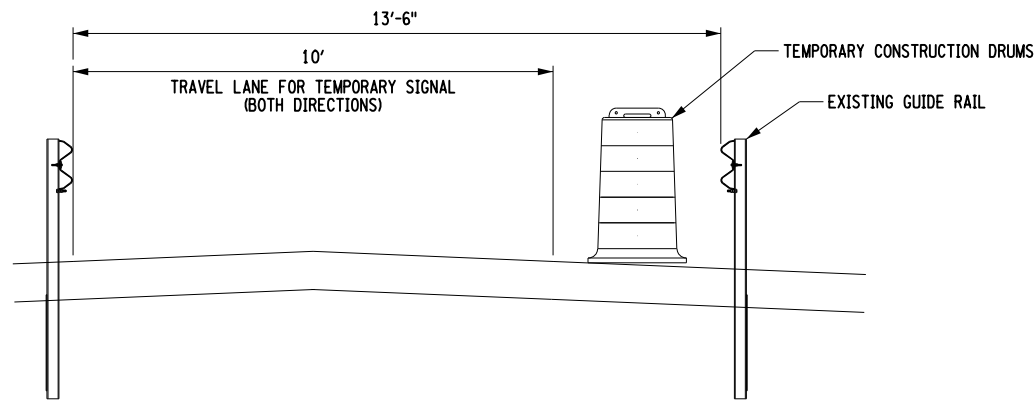
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 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



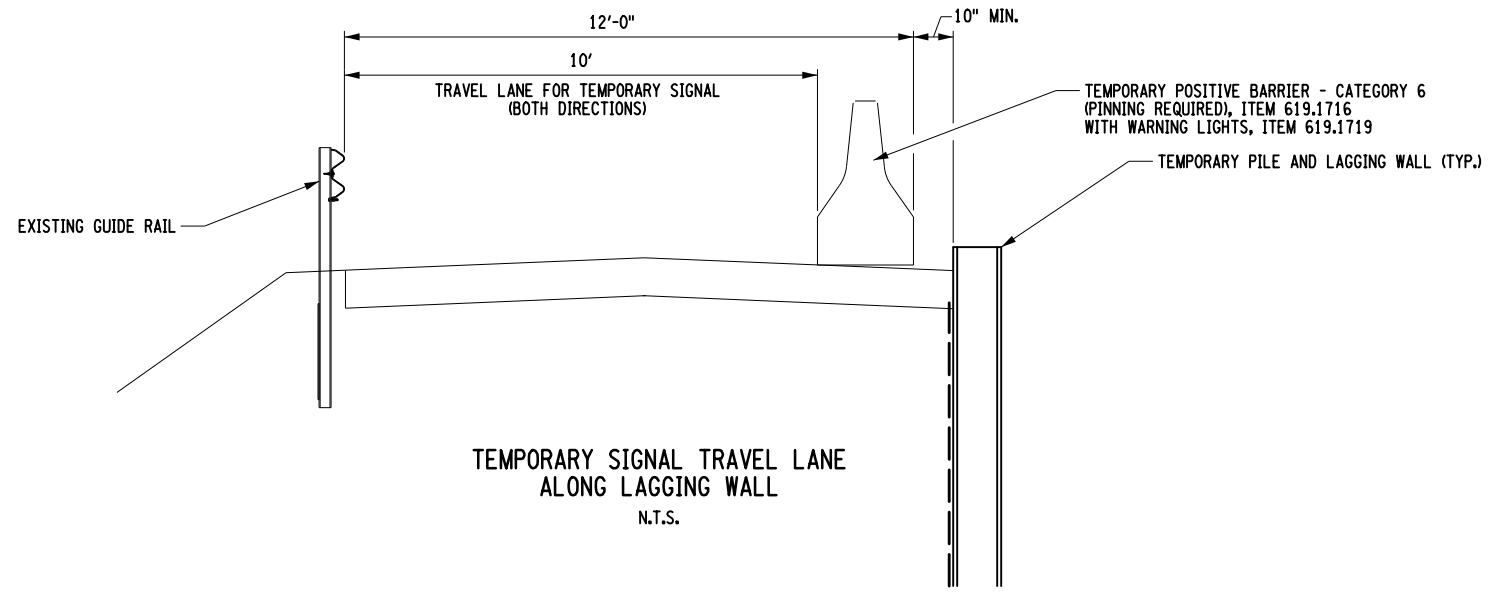
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 DESIGN R. GENUNG  
 CHECK L. SANDA  
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 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



TEMPORARY SIGNAL TRAVEL LANE  
 ON EXISTING BRIDGE  
 N.T.S.

NOTE:  
 1. FOR TEMPORARY PILE AND LAGGING WALL DETAILS SEE DWG NO'S ST-9 AND ST-10.  
 2. SHOULD THE CONTRACTOR ELECT TO UTILIZE THE EXISTING LOFT ROAD BRIDGE FOR LOADS IN EXCESS OF THE EXISTING LOAD POSTING, THE CONTRACTOR SHALL SUBMIT A LEVEL 1 LOAD RATING PACKAGE SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER INCLUDING ANY REPAIRS THAT MAY BE NECESSARY FOR THE BRIDGE TO CARRY THE PROPOSED LOADS. IF BRIDGE REPAIRS ARE REQUIRED, REPAIR PLANS AND CALCULATIONS SEALED BY A REGISTERED NEW YORK STATE PROFESSIONAL ENGINEER SHALL ALSO BE PROVIDED TO THE EIC. ALL SUBMITTALS SHALL BE PROVIDED FOR REVIEW 14 CALENDAR DAYS IN ADVANCE OF EXCEEDING THE POSTED LOAD AND/OR REPAIRS BEING MADE IN THE FIELD.



TEMPORARY SIGNAL TRAVEL LANE  
 ALONG LAGGING WALL  
 N.T.S.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED  WORK ZONE TYPICAL SECTIONS	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					DRAWING NO. MPP-4
	BRIDGE REPLACEMENT					SHEET NO. 10 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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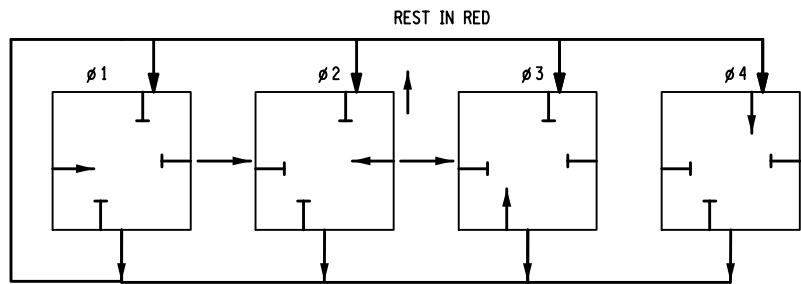
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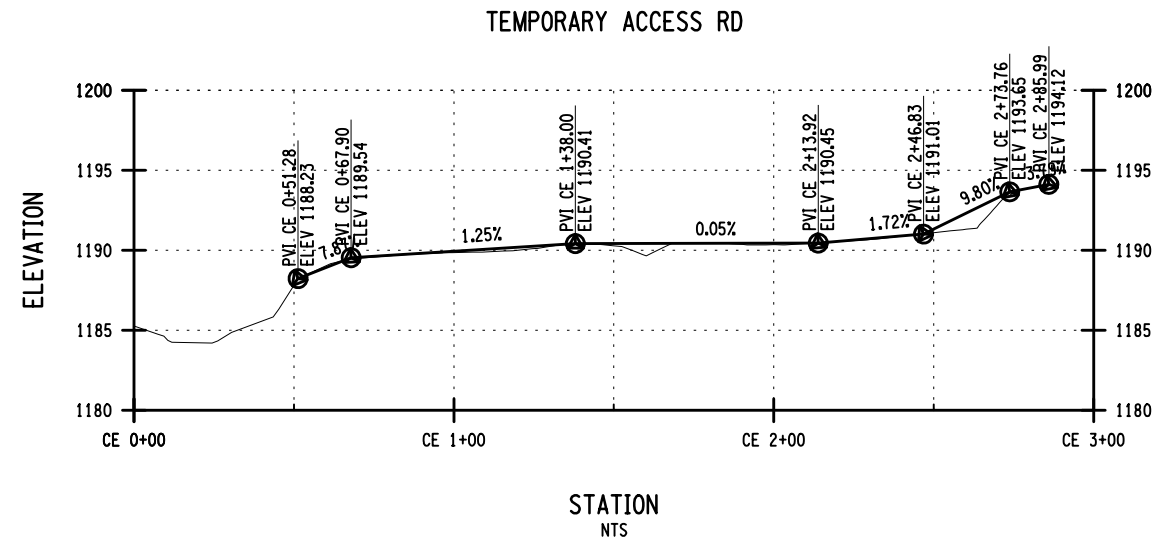
OPERATIONAL SCHEDULE FOR TEMPORARY TRAFFIC SIGNALS									
PHASE	FACE	1	2	3	4	5	6	7	8
ø1		G	G	R	R	R	R	R	R
CLEARANCE		Y	Y	R	R	R	R	R	R
ALL RED		R	R	R	R	R	R	R	R
ø2		R	R	R	R	R	R	G	G
CLEARANCE		R	R	R	R	R	R	Y	Y
ALL RED		R	R	R	R	R	R	R	R
ø3		R	R	G	G	R	R	R	R
CLEARANCE		R	R	Y	Y	R	R	R	R
ALL RED		R	R	R	R	R	R	R	R
ø4		R	R	R	R	G	G	R	R
CLEARANCE		R	R	R	R	Y	Y	R	R
ALL RED		R	R	R	R	R	R	R	R
EMERGENCY FLASH		FR	FR	FR	FR	FR	FR	FR	FR

NOTES:

1. MAINTAIN TRAVEL LANE WIDTH 10 FEET.
2. CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC SIGNALS PRIOR TO BRIDGE CLOSURE. COST TO BE INCLUDED UNDER ITEM 619.1301.
3. DETECTORS (INCLUDED IN ITEM 619.1301) SHALL BE INSTALLED ON ALL APPROACH LANES AND ALL PHASES SHALL BE ACTUATED. DURATION OF RED CLEARANCE INTERVALS SHALL BE ADEQUATE TO CLEAR THE ONE-LANE SECTION OF CONFLICTING TRAFFIC.
4. THE TRAFFIC SIGNAL CYCLE SHALL REST IN RED. WHEN THE SIGNAL IS CHANGED TO THE FLASHING MODE, EITHER MANUALLY OR AUTOMATICALLY, RED SIGNAL INDICATIONS SHALL BE FLASHED TO ALL APPROACHES.
5. STOP LINES (ITEM 619.100101) SHALL BE INSTALLED WITH TEMPORARY TRAFFIC SIGNALS FOR INTERMEDIATE AND LONG-TERM CLOSURES. EXISTING, CONFLICTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKINGS, BETWEEN THE ACTIVITY AREA AND THE STOP LINE, SHALL BE REMOVED. AFTER THE TEMPORARY TRAFFIC SIGNAL IS REMOVED, THE STOP LINES AND ALL TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND PERMANENT PAVEMENT MARKINGS RESTORED.
6. FOR TEMPORARY ACCESS ROAD ALIGNMENT SEE DWG NO MPP-3.
7. ADJUSTMENTS IN THE LOCATION OF ADVANCED WARNING SIGNS SHOULD BE MADE TO ACCOMMODATE THE HORIZONTAL AND VERTICAL ALIGNMENT OF THE ROADWAY, RECOGNIZING THAT THE DISTANCES SHOWN FOR SIGN SPACING ARE MINIMUMS. ADJUSTMENTS IN THE HEIGHT OF THE SIGNAL HEADS SHALL BE MADE AS NEEDED TO CONFORM TO THE VERTICAL ALIGNMENT.



PHASING DIAGRAM  
NOT TO SCALE

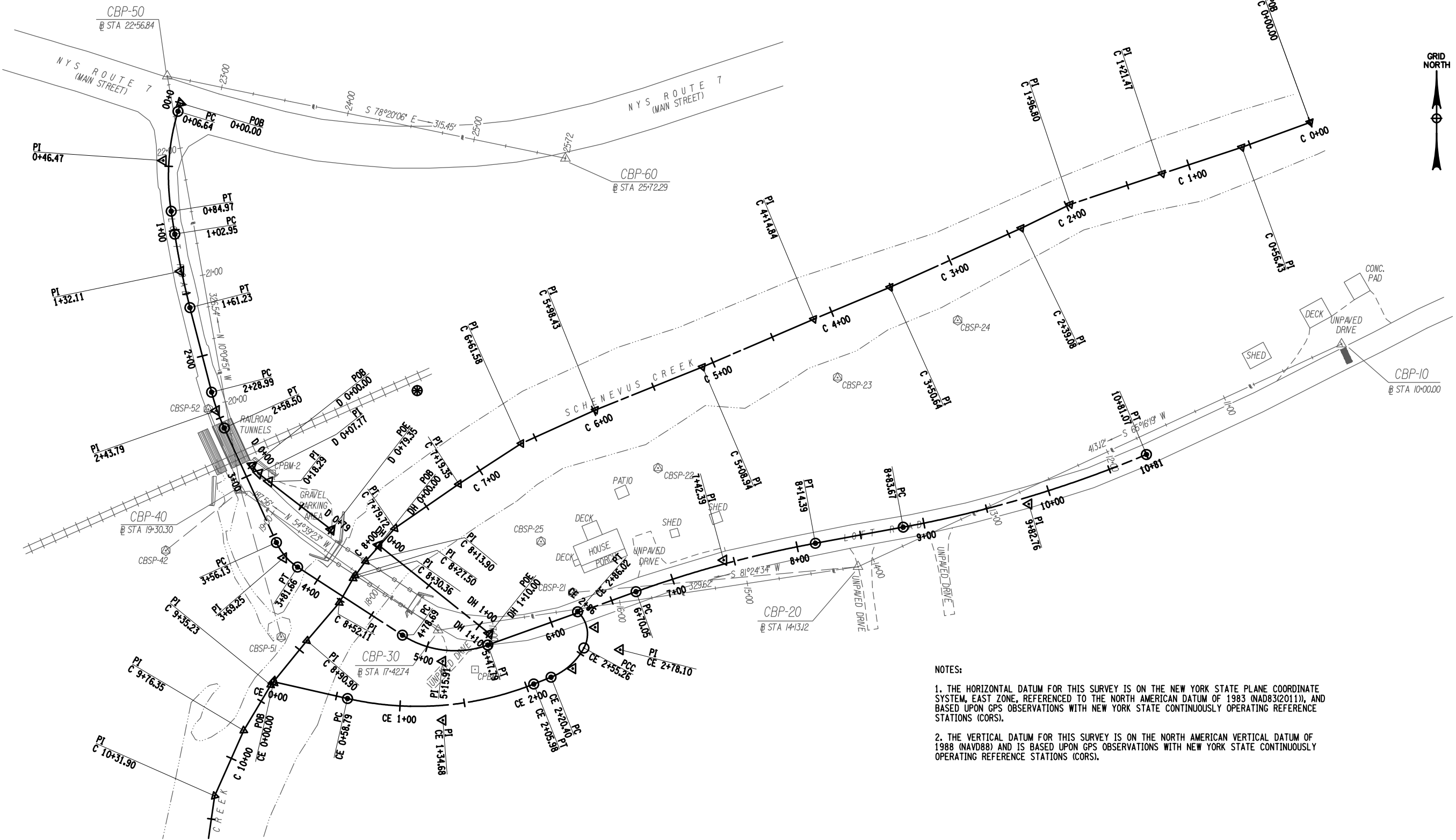


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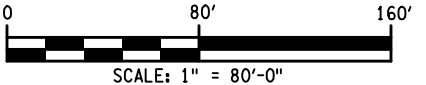
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD OVER SCHENEVUS CREEK BRIDGE REPLACEMENT TOWN OF MARYLAND COUNTY: OTSEGO	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
TEMPORARY SIGNAL PLAN NOTES AND DETAILS					DRAWING NO. MPP-5 SHEET NO. 11 OF 68	
<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 = M:\18825.00 Loft Road Bridge Draw\Drawings\975519\_oph.blk.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA JOB MANAGER L. SANDA DESIGN R. GENUNG DRAFTING M. VALLETTA/XXX CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



NOTES:  
 1. THE HORIZONTAL DATUM FOR THIS SURVEY IS ON THE NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE, REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83(2011)), AND BASED UPON GPS OBSERVATIONS WITH NEW YORK STATE CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS).  
 2. THE VERTICAL DATUM FOR THIS SURVEY IS ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND IS BASED UPON GPS OBSERVATIONS WITH NEW YORK STATE CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS).

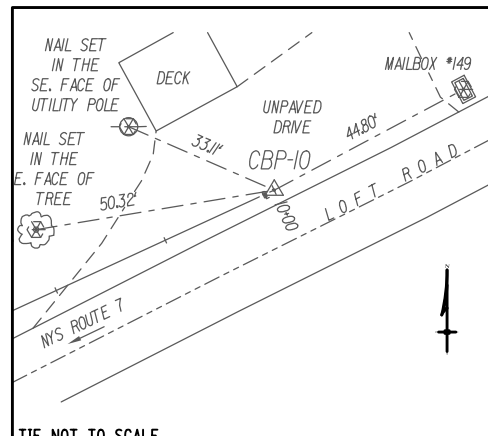


AFFIX SEAL: ON:	ALTERED BY: ON:

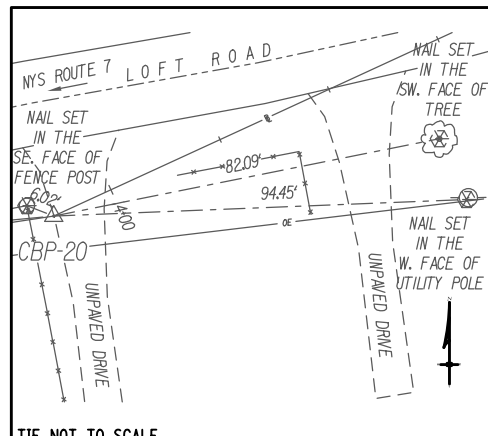
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES	2227620	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	<b>BASELINE TIES &amp; PROPOSED ALIGNMENTS (1 OF 2)</b>	CONTRACT NUMBER	LD040434
	OVER SCHENEVUS CREEK						DRAWING NO.	BLT-1
	BRIDGE REPLACEMENT						SHEET NO.	12 OF 68
	TOWN OF MARYLAND							
	COUNTY: OTSEGO	REGION: 9						

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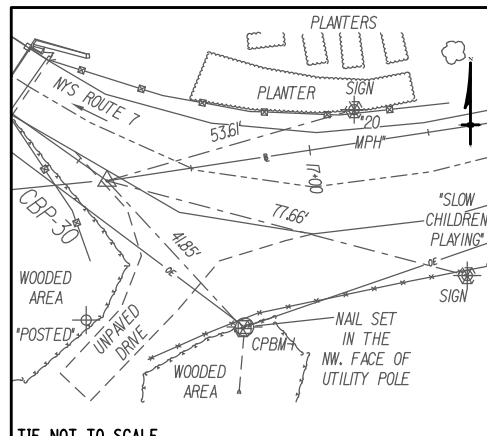




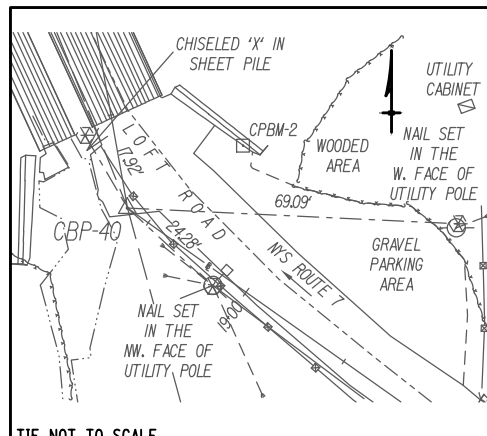
TIE NOT TO SCALE  
**CBP-10 @STA. 10+00.00**  
 5/8" REBAR WITH CAP SET APPROX. 920' SE'LY FROM THE INT. OF NYS ROUTE 7 AND LOFT ROAD, APPROX. 2.9' FROM THE NW'LY EDGE OF PAVEMENT OF LOFT ROAD, SET IN THE GRAVEL SHOULDER.  
 NAD83/2011  
 COMBINED SCALE FACTOR: 0.9998594179  
 N: 1,349,071.167 NAVD88  
 E: 389,214.660 ELEV: 1,201.12'



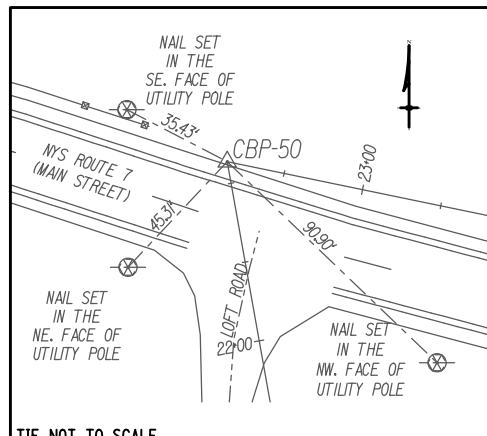
TIE NOT TO SCALE  
**CBP-20 @STA. 14+13.12**  
 5/8" REBAR WITH CAP SET APPROX. 637' SE'LY FROM THE INT. OF NYS ROUTE 7 AND LOFT ROAD, APPROX. 15.21' FROM THE SE'LY EDGE OF PAVEMENT OF LOFT ROAD, SET IN THE SW'LY EDGE OF A GRAVEL DRIVE.  
 NAD83/2011  
 COMBINED SCALE FACTOR: 0.9998594179  
 N: 1,348,898.356 NAVD88  
 E: 388,839.426 ELEV: 1,197.68'



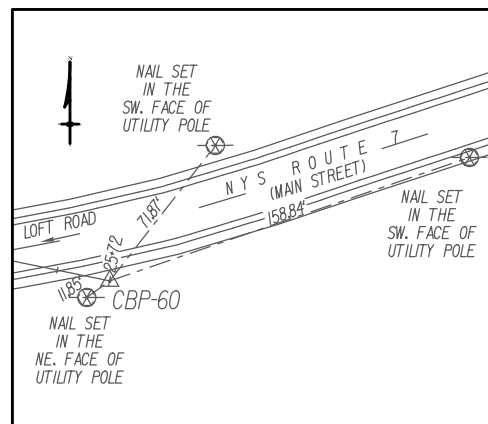
TIE NOT TO SCALE  
**CBP-30 @STA. 17+42.74**  
 5/8" REBAR WITH CAP SET APPROX. 455' SE'LY FROM THE INT. OF NYS ROUTE 7 AND LOFT ROAD, APPROX. 1.9' FROM THE SW'LY EDGE OF PAVEMENT OF LOFT ROAD, SET IN THE GRASS AT THE SW'LY EDGE OF LOFT ROAD.  
 NAD83/2011  
 COMBINED SCALE FACTOR: 0.9998594179  
 N: 1,348,849.119 NAVD88  
 E: 388,513.502 ELEV: 1,195.84'



TIE NOT TO SCALE  
**CBP-40 @STA. 19+30.30**  
 5/8" REBAR WITH CAP SET APPROX. 303' S'LY FROM THE INT. OF NYS ROUTE 7 AND LOFT ROAD, APPROX. 12.7' FROM THE CENTERLINE OF LOFT ROAD, SET IN OLD ASPHALT PAVEMENT AT THE SW'LY EDGE OF LOFT ROAD.  
 NAD83/2011  
 COMBINED SCALE FACTOR: 0.9998594179  
 N: 1,348,957.621 NAVD88  
 E: 388,360.506 ELEV: 1,195.05'




TIE NOT TO SCALE  
**CBP-50 @STA. 22+56.84**  
 5/8" REBAR WITH CAP SET APPROX. 24' NW'LY FROM THE INT. OF NYS ROUTE 7 AND LOFT ROAD, APPROX. 2.9' FROM THE NE'LY EDGE OF PAVEMENT OF NYS ROUTE 7, SET IN THE GRAVEL SHOULDER.  
 NAD83/2011  
 COMBINED SCALE FACTOR: 0.9998594179  
 N: 1,349,279.119 NAVD88  
 E: 388,303.350 ELEV: 1,217.53'



TIE NOT TO SCALE  
**CBP-60 @STA. 25+72.29**  
 5/8" REBAR WITH CAP SET APPROX. 302' E'LY FROM THE INT. OF NYS ROUTE 7 AND LOFT ROAD, APPROX. 2.9' FROM THE SE'LY EDGE OF PAVEMENT OF NYS ROUTE 7, SET IN THE GRAVEL SHOULDER.  
 NAD83/2011  
 COMBINED SCALE FACTOR: 0.9998594179  
 N: 1,349,215.338 NAVD88  
 E: 388,612.288 ELEV: 1,230.11'

BENCHMARK TABLE							
BM NO.	BASELINE STATION	OFFSET	SIDE	NORTHING	EASTING	ELEVATION	DESCRIPTION
CPBM-1	17+19	34.41'	LT	1,348,819	388,542	1192.77'	RAILROAD SPIKE SET IN UTILITY POLE NM3
CPBM-2	19+18	24.56'	RT	1,348,971	388,385	1196.48'	MAGNETIC NAIL SET IN SE'LY WINGWALL OF RAILROAD TUNNEL

MAINTENANCE JURISDICTION TABLE							
PART NO.	HIGHWAY	LIMITS	FEATURE TO BE MAINTAINED	CL MILES	LANE MILES	AGENCY	JURISDICTION
1	LOFT RD		MAINLINE ROADWAY INCLUDING PAVEMENT, SHOULDERS, GUIDE RAIL, DRAINAGE SYSTEM, SNOW AND ICE CONTROL, LANDSCAPING			TOWN OF MARYLAND	HIGHWAY LAW SECTION 196
2	BIN 2227620		ENTIRE STRUCTURE			TOWN OF MARYLAND	HIGHWAY LAW SECTION 196

AFFIX SEAL: ON: 

ALTERED BY: ON:

AS-BUILT REVISIONS  
 DESCRIPTION OF ALTERATIONS:

LOFT ROAD	PIN 9755.19
OVER SCHENEVUS CREEK	BRIDGES 2227620
BRIDGE REPLACEMENT	CULVERTS
TOWN OF MARYLAND	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
COUNTY: OTSEGO	REGION: 9

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CONTRACT NUMBER  
**LD040434**


DRAWING NO. BLT-2  
 SHEET NO. 13 OF 68


**BASELINE TIES  
 & PROPOSED ALIGNMENTS  
 (2 OF 2)**



**NOTES:**

1. THE ELECTRONIC FILES IDENTIFIED AS PLANS FOR THE SUBJECT PROJECT HAVE BEEN COMPLETED IN ACCORDANCE WITH ALL APPLICABLE NYSDOT 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 ELECOTRONIC 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 PART OF THE CONTRACT DOCUMENTS AND ARE AVAILABLE FOR DOWNLOAD WITH THE OTHER CONTRACT DOCUMENT ELEMENTS. THE ELEOCTRONIC 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.
3. ALL TIMES SHOWN ON THIS DRAWING ARE EASTERN TIME ZONE AND REPRESENT THE MODIFIED DATE AND TIME OF THE ELECTRONIC FILE. BE AWARE THAT COMPUTERS WILL AUTOMATICALLY CHANGE THE MODIFIED TIME STAMP ON FILES BY ONE HOUR WHEN TRANSITIONING TO AND FROM DAYLIGHT SAVINGS TIME.

ELECTRONIC FILES IDENTIFIED AS PLANS				
PROFESSIONAL OF RECORD				
FILENAME	FILE DESCRIPTION	DATE/TIME MODIFIED	AFFIX SEAL:	ALTERED BY:
D040434_fea_Loft Rd.XML	LOFT RD PROPOSED ALIGNMENT	12/17/2025		
D040434_fea_C_Stream Alignment.XML	STREAM ALIGNMENT FILE	12/17/2025		
D040434_fea_D_Roadway Ditch.XML	PROPOSED DITCH ALIGNMENT	12/17/2025		
D040434_fea_LR Temp Sig.XML	LOFT RD TEMPORARY SIGNAL PLAN CENTERLINE	12/17/2025		
D040434_fea_CE_Access Rd.XML	TEMPORARY ACCESS RD TO STREAM	12/17/2025		
D040434_fea_DH_Dry Hydrant.XML	DRY HYDRANT ALIGNMENT	12/17/2025		

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	ELECTRONIC FILES IDENTIFIED AS PLANS	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK						DRAWING NO. ELE-1
	BRIDGE REPLACEMENT						SHEET NO. 14 OF 68
	TOWN OF MARYLAND						
	COUNTY: OTSEGO	REGION: 9					 Department of Transportation

FILE NAME = M:\18825.00 - Loft Road Bridge Draw\Drawings\975519\_oph\_mst\_01.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

GUIDE RAILING/BRIDGE RAILING/CONCRETE BARRIER INSTALLATION TABLE										
STATION TO STATION	SIDE	(LF)	(LF)	(LF)	(LF)	(EA)	(EA)	(LF)	(EA)	COMMENTS
2+93.70	3+21.13	RT						27.4		
3+21.13	3+65.75	RT		47.5						
3+65.75	4+78.96	RT	117.4							
4+78.96	5+08.38	RT							1	
5+08.38	5+44.73	RT			42.0					
5+44.73	5+89.28	RT		45.0						
5+89.28	6+10.71	RT				1				
3+32.91	3+39.10	LT					1			
3+39.10	3+73.85	LT							1	
3+65.75	4+79.06	LT	109.4							
4+79.06	5+19.30	LT							1	
5+19.30	5+47.75	LT			24.0					
5+47.75	5+80.75	LT		33.0						
5+80.75	6+02.18	LT				1				
<b>TOTAL:</b>			<b>226.8</b>	<b>47.5</b>	<b>78.0</b>	<b>66.0</b>	<b>2</b>	<b>1</b>	<b>27.4</b>	<b>3</b>

MUTCD NUMBER	LOCATION #	STATION	SIDE	ITEM 645.81 (EA)	ITEM 647.31 (EA)	ITEM 647.51 (EA)	ITEM 647.61 (EA)	COMMENTS - SEE SIGN DATA SHEET FOR ADDITIONAL DETAILS
	S1-1	3+50.0	LT	1	1			RELOCATED BLOW HORN
	S1-2	5+62.8	RT	1	1			RELOCATED SLOW CHILDREN PLAYING
R5-1	S1-3	5+68.9	LT			1		WEIGHT LIMIT 20 TONS
	S1-4	5+79.3	RT				1	SLOW CHILDREN PLAYING
	S1-5	5+82.3	LT				1	BLOW HORN
W5-2	S1-6	5+98.5	LT				1	NARROW BRIDGE
<b>TOTALS</b>				<b>2</b>	<b>2</b>	<b>1</b>	<b>3</b>	


DRIVEWAY NUMBER	LOCATION		MATERIAL		ENTRANCE TYPE	CLASS	DIMENSIONS				COMMENTS
	STATION	SIDE	EXISTING	PROPOSED			W	TL	PL	CORNER ANGLE	
1	6+39.7	RT	GRAVEL	GRAVEL	1	RES	9	34.4	11.5	60-45'	

CORRUGATED BEAM GUIDE RAILING REMOVALS TABLE			
STATION TO STATION	SIDE	(LF)	COMMENTS
2+93	3+98	RT	99.0
3+38	3+95	LT	38.5
4+76	5+06	RT	33.9
4+76	5+88	LT	84.5
<b>TOTAL:</b>			<b>171.4</b>

DELINEATOR, SNOW MARKER, SUPPLEMENTARY SNOWPLOWING MARKER PANELS				
STATION	SIDE	ITEM 646.22	COMMENTS	ITEM 646.32
3+42.1	LT	1		1
5+78.1	LT	2	DOUBLE	1
5+84.5	RT	1		1
<b>TOTALS (EA)</b>		<b>4</b>		<b>3</b>

RIGHT OF WAY ACQUISITIONS												
MAP NUMBER	PARCEL NUMBER	REPUTED OWNER	TAX MAP OR SECTION	BLOCK	PARCEL	DEED REFERENCE			AREA ± SF			REMARKS
						INSTRUMENT ID NO.	LIBER	PAGE	FEE	P.E.	T.E.	
M1	P1	Steven Ebert Sr. Suzanne Ebert	245.1	1	46.01	2020-4618					5531	
M2	P2	Steven Ebert Sr. Suzanne Ebert	245.1	1	46.01	2020-4618			7956			
M3	P3	David DeRosa	245.09	1	29	2013-5537			4373			
M4	P4	David DeRosa	245.09	1	29	2013-5537					646	
M5	P5	Norfolk Southern Railing Company	261	1	61	2015-5027			1145			
M5	P6	Norfolk Southern Railing Company	261	1	61	2015-5027					1815	
M5	P7	Norfolk Southern Railing Company	261	1	61	2015-5027					577	

SEE DWG. NO. GNP-1 FOR MAP CALLOUTS

AFFIX SEAL: ON:	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD OVER SCHENEVUS CREEK BRIDGE REPLACEMENT TOWN OF MARYLAND COUNTY: OTSEGO	PIN 9755.19 REGION: 9	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
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. MST-1 SHEET NO. 15 OF 68	

**EROSION CONTROL NOTES:**

1. COFFERDAMS ARE INTENDED TO BE UTILIZED FOR FOOTING PLACEMENT. SEE DWG. NO. GNN-1 FOR ADDITIONAL NOTES FOR COFFERDAMS.
2. SEDIMENT FILTER LOGS SHALL BE PLACED IN ACCORDANCE WITH NYS DOT STANDARD SHEET 209-01 TO PREVENT SEDIMENT ENTERING SCHENEVUS CREEK AND WHITNEY BROOK.
3. TURBIDITY CURTAIN IS SHOWN BASED ON THE SUGGESTED REMOVAL OF STRUCTURE SEQUENCE. CONTRACTOR SHALL ADJUST THE LOCATIONS, IF NECESSARY, BASED ON THEIR APPROVED REMOVAL PLAN. TEMPORARY TURBIDITY CURTAIN SHALL BE PLACED IN ACCORDANCE WITH NYS DOT STANDARD SHEET 209-06.

**ENVIRONMENTAL PROTECTION NOTES:**

1. SCHENEVUS CREEK IS CLASSIFIED AS A CLASS C(T) WATERBODY AT THIS LOCATION. THE STANDARD WINDOW FOR IN STREAM OR STREAMBANK WORK AS PRESCRIBED PER NYSDEC IS JUNE 15 TO SEPTEMBER 30 OF ANY CALENDAR YEAR.
2. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CONDITIONS AND RESTRICTIONS SET FORTH BY THE ARMY CORP'S NATIONWIDE PERMIT AND THE NYSDEC WATER QUALITY CERTIFICATION ALONG WITH ALL REQUIRED STREAM DATE RESTRICTIONS. SEE THE CONTRACT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. DURING REMOVAL OPERATIONS THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL INTO THE WATER COURSE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREEN, OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.

**STREAM PROTECTION NOTES:**

1. 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.


**CONCRETE WASHOUT NOTES:**

1. ACTUAL LAYOUT AND LOCATION TO BE DETERMINED IN FIELD.
2. LOCATE WASHOUT AREA AT LEAST 50-FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES. DO NOT ALLOW RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID OR SOLID WASTE.
3. WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY.
4. TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE) SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 10-FEET, BUT WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
5. STRAW BALES, WOOD STAKES, AND SANDBAG MATERIALS SHALL CONFORM TO THE PROVISION IN THE EROSION AND SEDIMENT CONTROL SPECIFICATION.
6. PLASTIC LINING MATERIAL SHALL BE A MINIMUM OF 10 MIL IN POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
7. WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED OF FROM THE SITE OF THE WORK.
8. HOLES, DEPRESSIONS, OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE BACKFILLED AND REPAIRED.
9. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 4-INCHES. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES INCLUDES REMOVING AND DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION. HARDENED CONCRETE MATERIALS SHOULD BE REMOVED AND DISPOSED OF.
10. WASHOUT FACILITIES SHALL BE CLEANED, OR NEW FACILITIES SHALL BE CONSTRUCTED AND PREPARED FOR USE ONCE THE WASHOUT IS 75% FULL.

**CONCRETE WASHOUT NOTES CONTINUED:**

11. THE COST FOR THE CONCRETE WASHOUTS SHALL BE INCLUDED IN THE PRICE BID FOR ALL CONCRETE ITEMS.
12. CONCRETE WASHOUT AREAS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

ITEM 209.1501 TURBIDITY CURTAIN - TEMPORARY					LF
ITEM 209.1311 SEDIMENT FILTER LOG-TEMPORARY, 12", Type A					LF
EROSION CONTROL TABLE					
STATION	STATION	SIDE	ITEM 209.1501 (LF)	ITEM 209.1311 (LF)	COMMENTS
3+30.9	3+94.9	RT/LT	195.0		
4+55.0	4+58.9	LT/RT	110.7		
3+44.5	3+86.3	LT		16.7	
4+60.1	4+63.0	LT		6.7	
4+93.5	6+27.2	LT		106.5	
4+56.6	4+63.1	RT		40.0	
4+75.2	5+00.9	RT		47.8	
5+17.5	5+98.5	RT		107.0	
<b>TOTALS</b>			<b>305.7</b>	<b>324.7</b>	

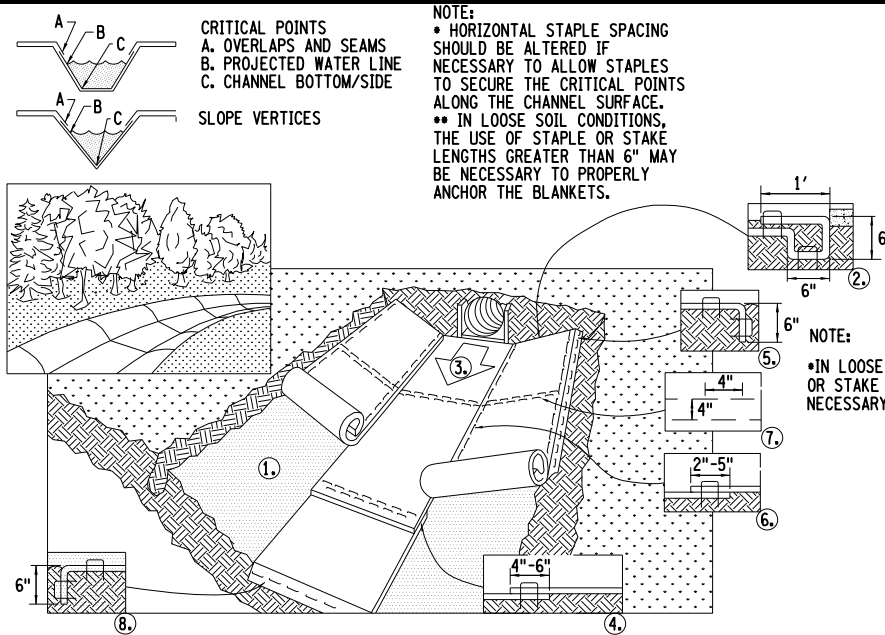
AFFIX SEAL: ON:	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	EROSION CONTROL NOTES AND TABLE	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK						
	BRIDGE REPLACEMENT						
	TOWN OF MARYLAND						
	COUNTY: OTSEGO	REGION: 9					DRAWING NO. ECN-1 SHEET NO. 16 OF 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.

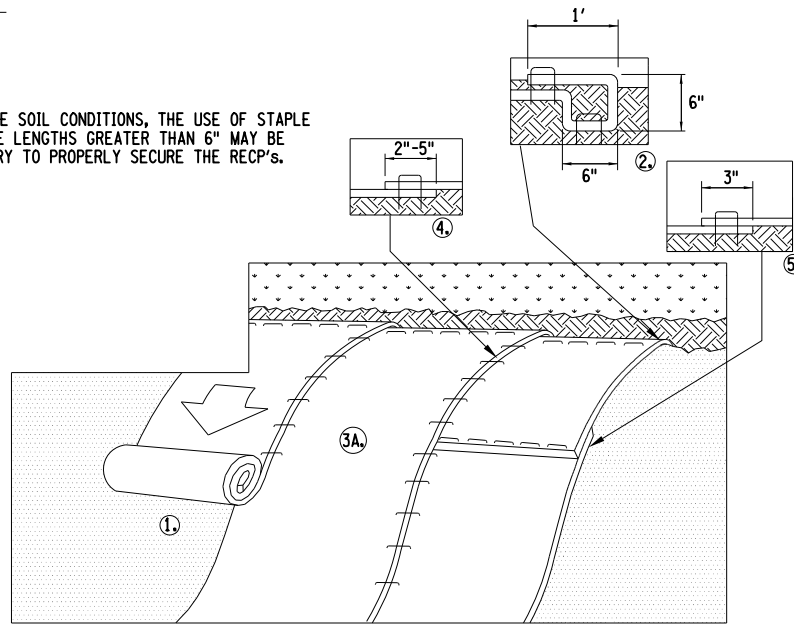
FILE NAME = M:\18825.000\Loft Road Bridge\Drawings\975519\_oph\_eod\_01.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA JOB MANAGER L. SANDA DESIGN R. GENUNG DRAFTING M. VALLETTA/XXX CHECK L. SANDA CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



- NOTES:
1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
  2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 1' OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 1' APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 1' PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 6" APART ACROSS THE WIDTH OF THE BLANKET.
  3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
  4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4 - 6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE BLANKETS.
  5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 1' APART IN A 6" DEEP X 6" WIDE TRENCH. BACK FILL AND COMPACT THE TRENCH AFTER STAPLING.
  6. ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 3" - 5" (DEPENDING ON BLANKET TYPE) AND STAPLED. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE BLANKET BEING OVERLAPPED.
  7. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30' - 40' INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
  8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 1' APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

ROLLED EROSION CONTROL PRODUCTS (RECP)  
TURF REINFORCEMENT MAT (TRM)  
CHANNEL INSTALLATION DETAIL  
 N.T.S.



- NOTES:
1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
  2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 1' APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 1' PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 1' APART ACROSS THE WIDTH OF THE RECP'S.
  3. ROLL THE RECP'S (A.) DOWN THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
  4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON RECP'S TYPE.
  5. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 1' APART ACROSS ENTIRE RECP'S WIDTH.

ROLLED EROSION CONTROL PRODUCTS (RECP)/TRM  
SLOPE INSTALLATION DETAIL  
 N.T.S.

- NOTE:
1. ROLLED EROSION MAT SHALL BE APPLIED TO ALL PERMANENT SLOPES STEEPER THAN 1:4
  2. THE ROLLED EROSION CONTROL PRODUCT DETAILS PROVIDED ARE FOR ILLUSTRATIVE PURPOSES ONLY. THE CONTRACTOR SHALL INSTALL THE PRODUCTS IN ACCORDANCE WITH THE NYSDOT STANDARD SPECIFICATIONS. HORIZONTAL INSTALLATION ON SLOPES WILL NOT BE PERMITTED.

AFFIX SEAL: ON:	ALTERED BY: ON:

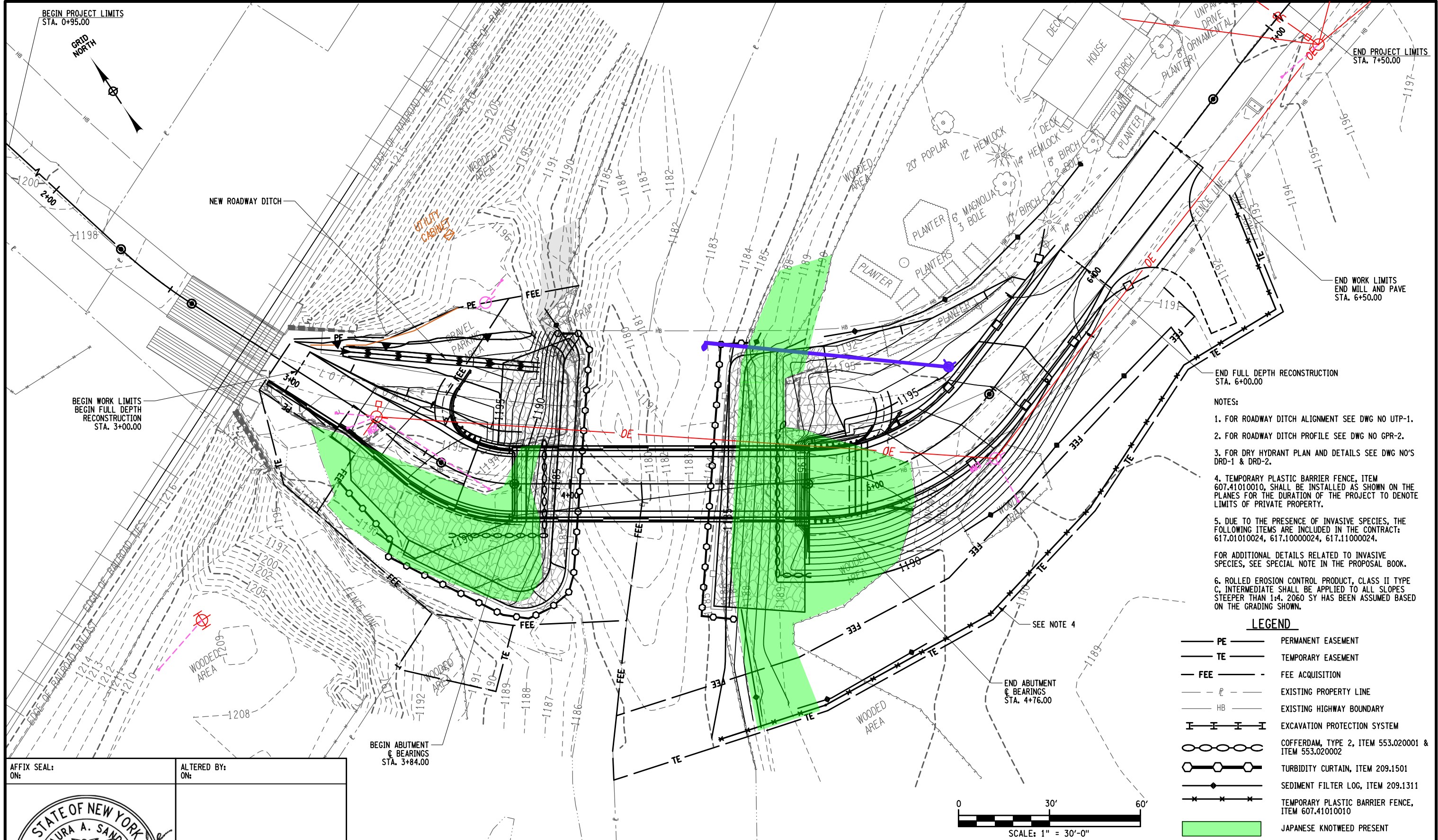
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					
	BRIDGE REPLACEMENT					
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9			EROSION AND SEDIMENT CONTROL DETAILS	DRAWING NO. ECD-1 SHEET NO. 17 OF 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.



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 DATE/TIME = 5/13/2026  
 USER = RGenung

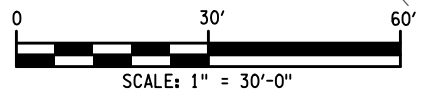
DESIGN SUPERVISOR L. SANDA  
 DESIGN MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



- NOTES:
1. FOR ROADWAY DITCH ALIGNMENT SEE DWG NO UTP-1.
  2. FOR ROADWAY DITCH PROFILE SEE DWG NO GPR-2.
  3. FOR DRY HYDRANT PLAN AND DETAILS SEE DWG NO'S DRD-1 & DRD-2.
  4. TEMPORARY PLASTIC BARRIER FENCE, ITEM 607.41010010, SHALL BE INSTALLED AS SHOWN ON THE PLANES FOR THE DURATION OF THE PROJECT TO DENOTE LIMITS OF PRIVATE PROPERTY.
  5. DUE TO THE PRESENCE OF INVASIVE SPECIES, THE FOLLOWING ITEMS ARE INCLUDED IN THE CONTRACT: 617.01010024, 617.10000024, 617.11000024.
  6. ROLLED EROSION CONTROL PRODUCT, CLASS II TYPE C, INTERMEDIATE SHALL BE APPLIED TO ALL SLOPES STEEPER THAN 1:4. 2060 SY HAS BEEN ASSUMED BASED ON THE GRADING SHOWN.

**LEGEND**

- PE — PERMANENT EASEMENT
- TE — TEMPORARY EASEMENT
- - - FEE - - - FEE ACQUISITION
- - - P - - - EXISTING PROPERTY LINE
- HB — EXISTING HIGHWAY BOUNDARY
- I — I — I — EXCAVATION PROTECTION SYSTEM
- ○ ○ ○ COFFERDAM, TYPE 2, ITEM 553.020001 & ITEM 553.020002
- ○ ○ ○ TURBIDITY CURTAIN, ITEM 209.1501
- ● — SEDIMENT FILTER LOG, ITEM 209.1311
- x — x — x — TEMPORARY PLASTIC BARRIER FENCE, ITEM 607.41010010
- JAPANESE KNOTWEED PRESENT



AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_



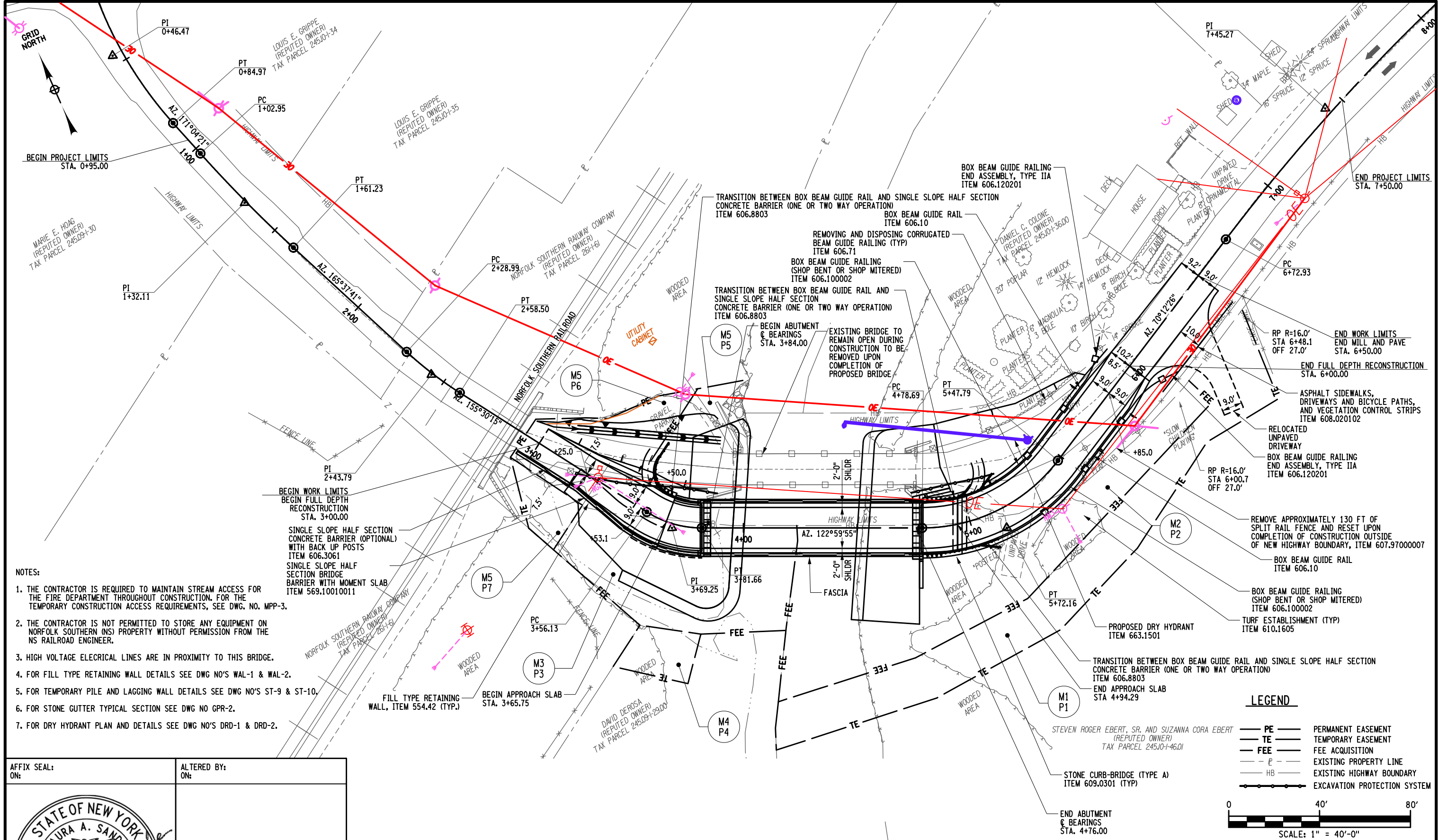
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				<b>EROSION AND SEDIMENT CONTROL PLAN</b>	DRAWING NO. ECP-1
	BRIDGE REPLACEMENT					SHEET NO. 18 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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 = M:\18825.000 Loft Road Bridge\Draw\Drawings\975519\_oph\_gnp.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 DESIGN MANAGER L. SANDA  
 DESIGN R. GENUNG  
 DRAFTING M. VALLETTA/XXX  
 CHECK L. SANDA  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



- NOTES:
1. THE CONTRACTOR IS REQUIRED TO MAINTAIN STREAM ACCESS FOR THE FIRE DEPARTMENT THROUGHOUT CONSTRUCTION. FOR THE TEMPORARY CONSTRUCTION ACCESS REQUIREMENTS, SEE DWG. NO. MPP-3.
  2. THE CONTRACTOR IS NOT PERMITTED TO STORE ANY EQUIPMENT ON NORFOLK SOUTHERN (NS) PROPERTY WITHOUT PERMISSION FROM THE NS RAILROAD ENGINEER.
  3. HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE.
  4. FOR FILL TYPE RETAINING WALL DETAILS SEE DWG NO'S WAL-1 & WAL-2.
  5. FOR TEMPORARY PILE AND LAGGING WALL DETAILS SEE DWG NO'S ST-9 & ST-10.
  6. FOR STONE GUTTER TYPICAL SECTION SEE DWG NO GPR-2.
  7. FOR DRY HYDRANT PLAN AND DETAILS SEE DWG NO'S DRD-1 & DRD-2.

**LEGEND**

- PE PERMANENT EASEMENT
- TE TEMPORARY EASEMENT
- FEE FEE ACQUISITION
- p- EXISTING PROPERTY LINE
- HB EXISTING HIGHWAY BOUNDARY
- Excavation Protection System

0 40' 80'  
 SCALE: 1" = 40'-0"

AFFIX SEAL: ON:

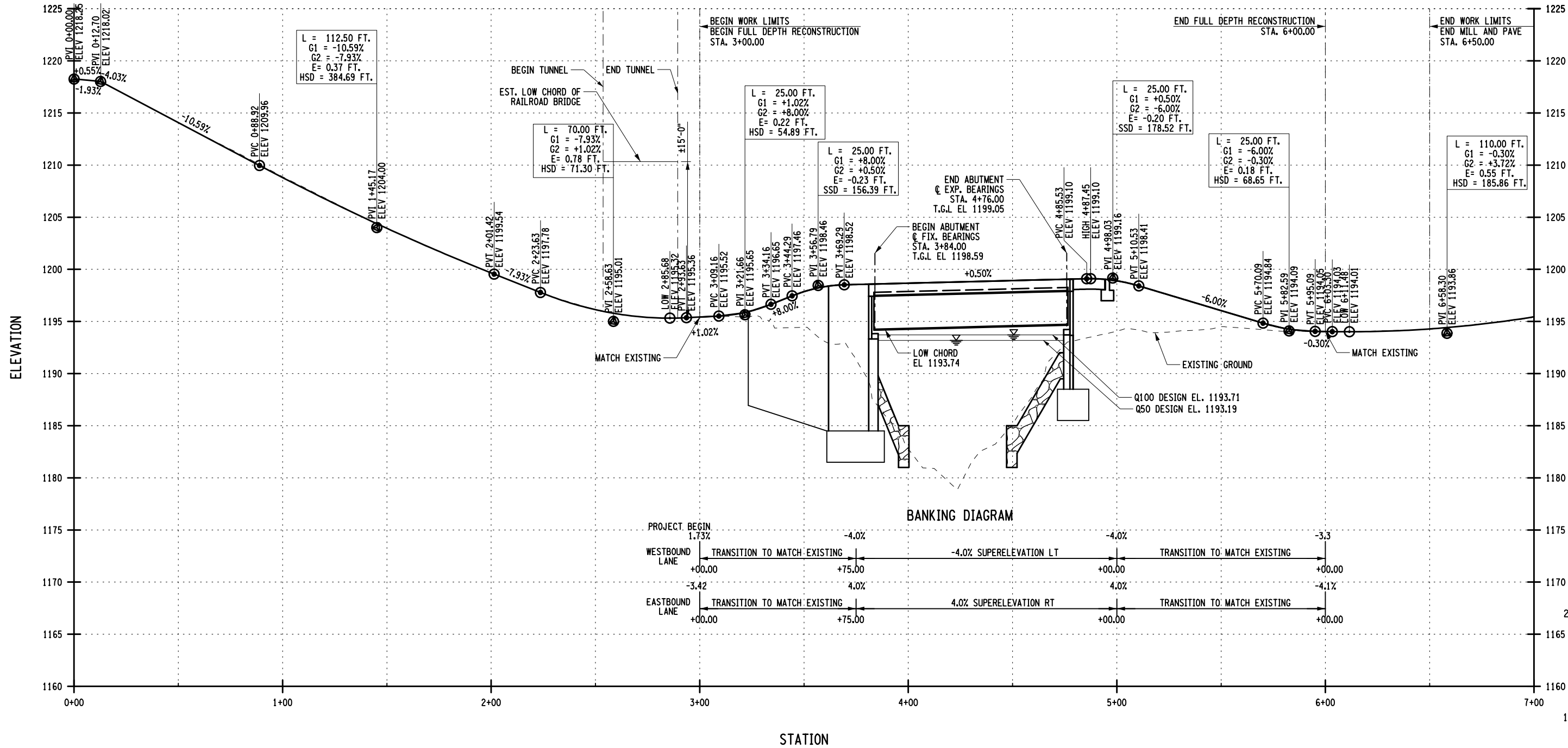
ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				<b>ROADWAY PLAN</b>	DRAWING NO. GNP-1
	BRIDGE REPLACEMENT					SHEET NO. 19 OF 68
	TOWN OF MARYLAND	REGION: 9				
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 = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA JOB MANAGER L. SANDA DESIGN R. GENUNG DRAFTING M. VALLETTA/XXX CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS  
DESCRIPTION OF ALTERATIONS:

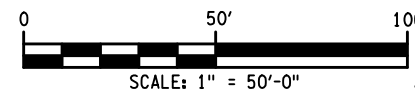
LOFT ROAD
OVER SCHENEVUS CREEK
BRIDGE REPLACEMENT
TOWN OF MARYLAND
COUNTY: OTSEGO REGION: 9

PIN 9755.19
BRIDGES 2227620
CULVERTS

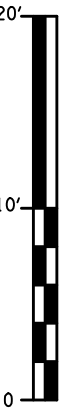
ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
<b>PROPOSED PROFILE</b>

CONTRACT NUMBER LD040434
DRAWING NO. GPR-1
SHEET NO. 20 OF 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.

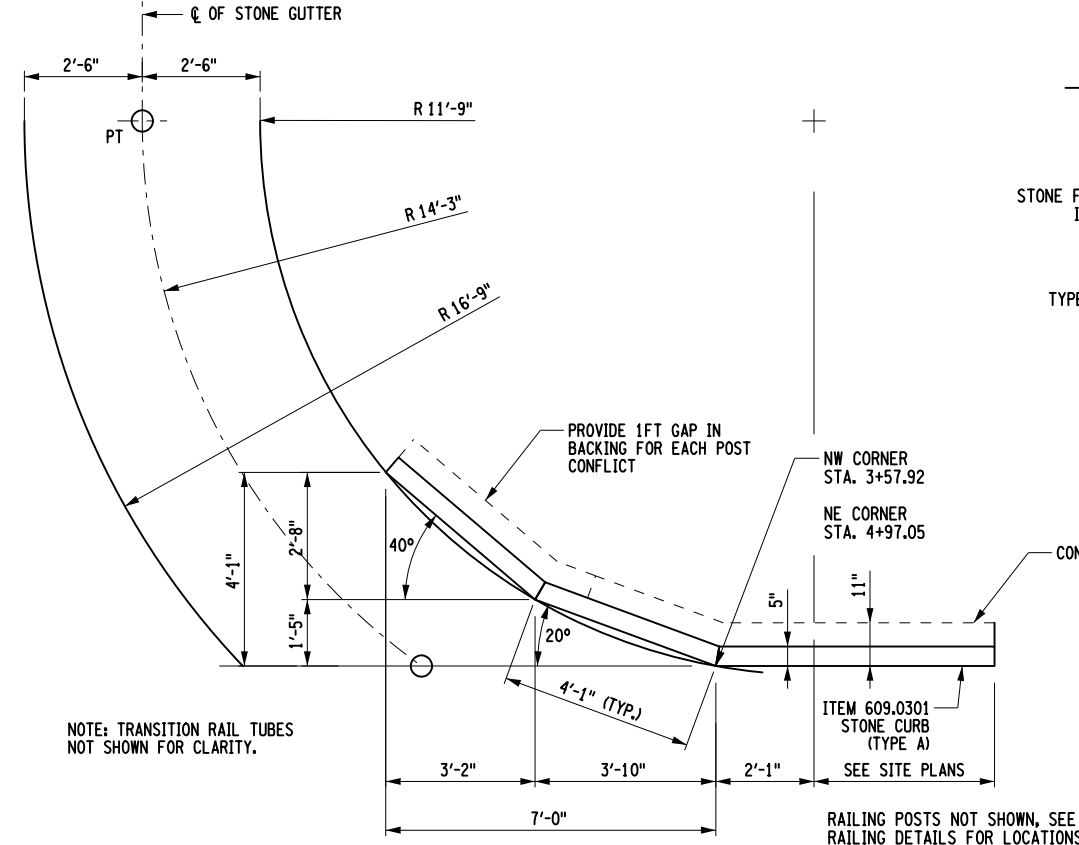


VERTICAL SCALE: 1" = 10'-0"

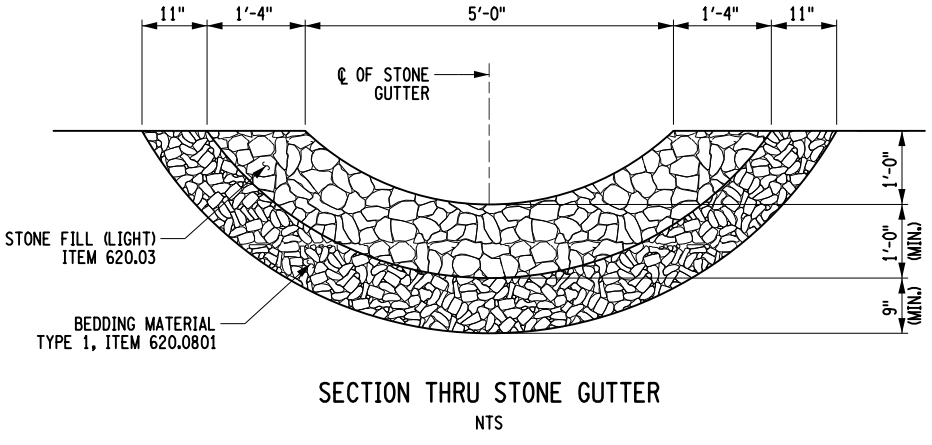


CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK L. SANDA  
 DESIGN R. GENUNG  
 JOB MANAGER L. SANDA  
 DESIGN SUPERVISOR L. SANDA

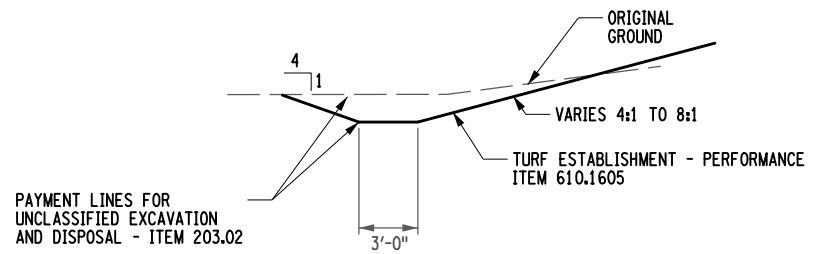
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 USER = RGenung



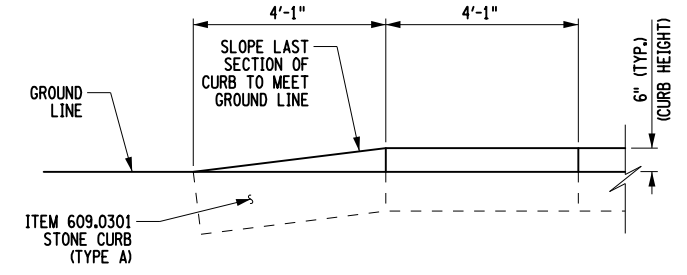
LAYOUT OF DRAINAGE CURBING AND STONE GUTTER



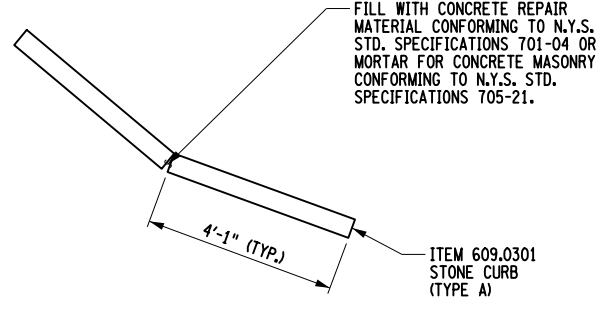
SECTION THRU STONE GUTTER  
NTS



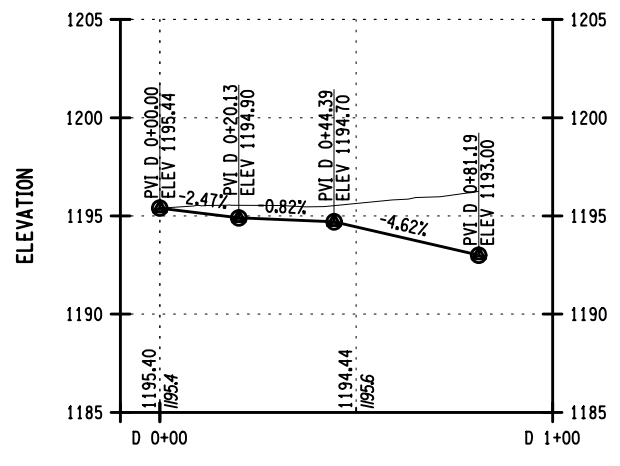
PROPOSED ROADWAY DITCH DETAIL  
STA D 0+00 TO STA D 1+61  
NTS



ELEVATION OF CURB TAPER



ALTERNATE CURB JOINT DETAIL



ROADWAY DITCH PROFILE  
SCALE: 1" = 50'-0"  
VERTICAL SCALE: 1" = 10'-0"

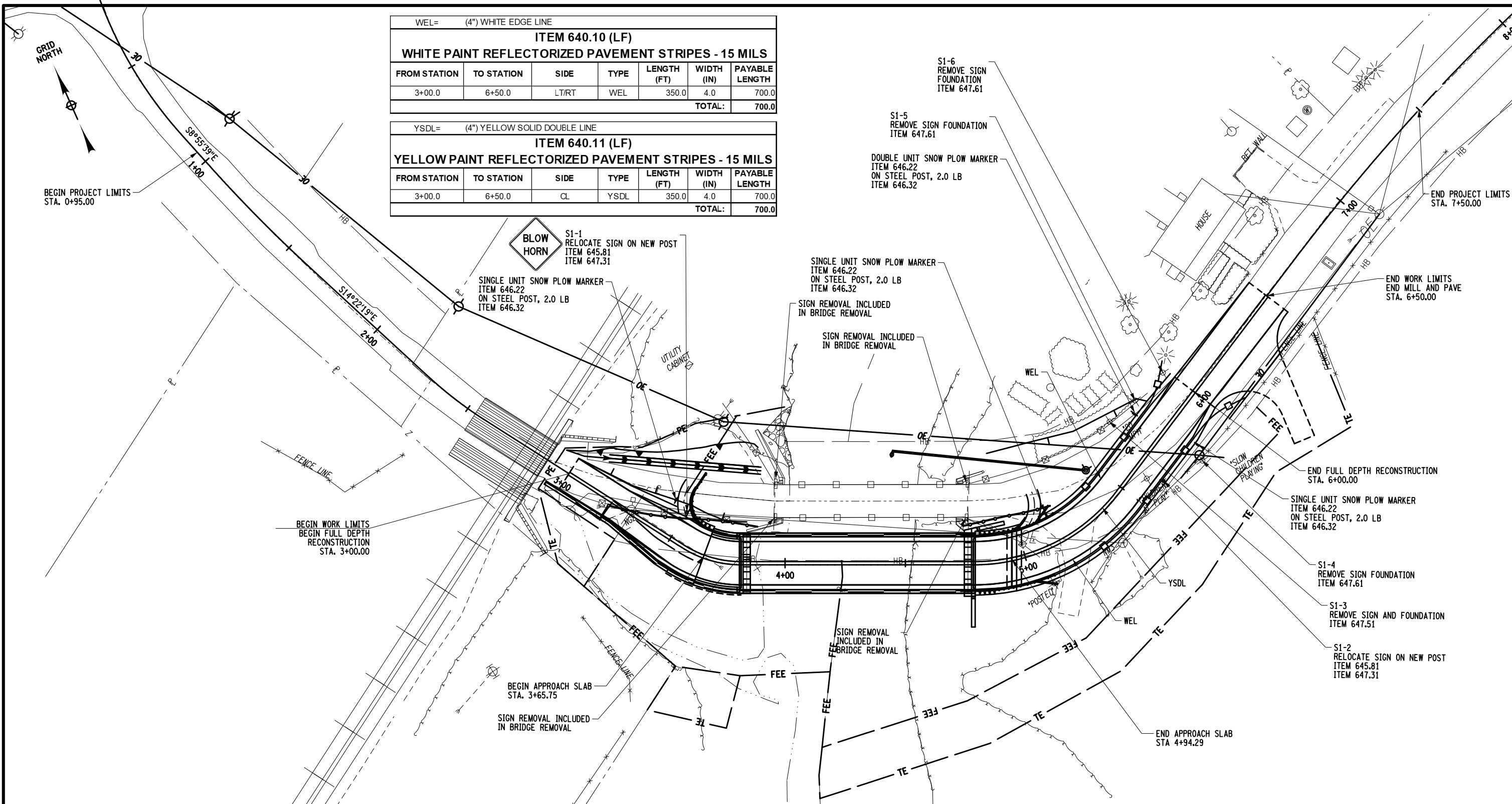
NOTE:  
1. SEE DWG NO UTP-1 FOR ROADWAY DITCH ALIGNMENT

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD OVER SCHENEVUS CREEK BRIDGE REPLACEMENT TOWN OF MARYLAND COUNTY: OTSEGO	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
<b>PROPOSED DITCH PROFILE AND DRAINAGE DETAILS</b>					DRAWING NO. GPR-2	SHEET NO. 21 OF 68
<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>						

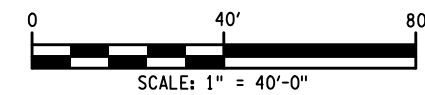
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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



WEL= (4") WHITE EDGE LINE						
<b>ITEM 640.10 (LF)</b>						
<b>WHITE PAINT REFLECTORIZED PAVEMENT STRIPES - 15 MILS</b>						
FROM STATION	TO STATION	SIDE	TYPE	LENGTH (FT)	WIDTH (IN)	PAYABLE LENGTH
3+00.0	6+50.0	LT/RT	WEL	350.0	4.0	700.0
TOTAL:						700.0
YSDL= (4") YELLOW SOLID DOUBLE LINE						
<b>ITEM 640.11 (LF)</b>						
<b>YELLOW PAINT REFLECTORIZED PAVEMENT STRIPES - 15 MILS</b>						
FROM STATION	TO STATION	SIDE	TYPE	LENGTH (FT)	WIDTH (IN)	PAYABLE LENGTH
3+00.0	6+50.0	CL	YSDL	350.0	4.0	700.0
TOTAL:						700.0

AFFIX SEAL: ON:	ALTERED BY: ON:									
	AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:									
	<table border="1"> <tr> <td>LOFT ROAD</td> <td>PIN 9755.19</td> </tr> <tr> <td>OVER SCHENEVUS CREEK</td> <td>BRIDGES 2227620</td> </tr> <tr> <td>BRIDGE REPLACEMENT</td> <td>CULVERTS</td> </tr> <tr> <td>TOWN OF MARYLAND</td> <td>ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED</td> </tr> <tr> <td>COUNTY: OTSEGO</td> <td>REGION: 9</td> </tr> </table>	LOFT ROAD	PIN 9755.19	OVER SCHENEVUS CREEK	BRIDGES 2227620	BRIDGE REPLACEMENT	CULVERTS	TOWN OF MARYLAND	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	COUNTY: OTSEGO
LOFT ROAD	PIN 9755.19									
OVER SCHENEVUS CREEK	BRIDGES 2227620									
BRIDGE REPLACEMENT	CULVERTS									
TOWN OF MARYLAND	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED									
COUNTY: OTSEGO	REGION: 9									
<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>										

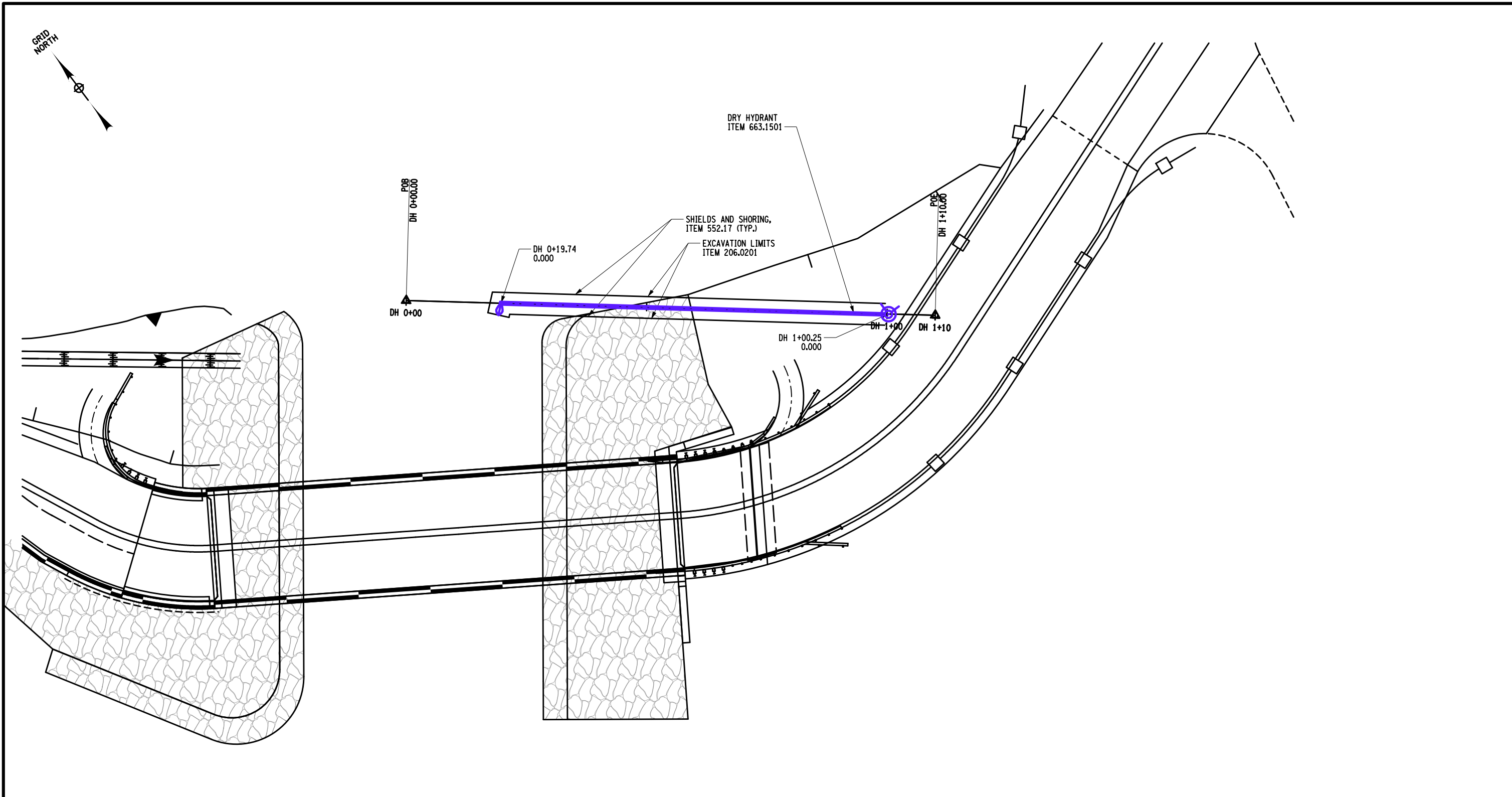


<p><b>SIGNING, STRIPING, AND SNOWPLOW MARKER PLAN</b></p>		<p>CONTRACT NUMBER LD040434</p>
<p>DRAWING NO. SGP-1</p>		<p>SHEET NO. 22 OF 68</p>



FILE NAME = M:\18825.00 Loft Road Bridge Drawings\975519\_oph\_drd-01.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA JOB MANAGER L. SANDA DESIGN R. GENUNG CHECK L. SANDA DRAFTING M. VALLETTA/XXX CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

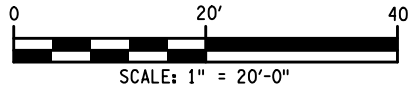


AFFIX SEAL: ON: ALTERED BY: ON:

NOTE:  
SEE PROFILE AND DETAILS DWG NO DRD-2

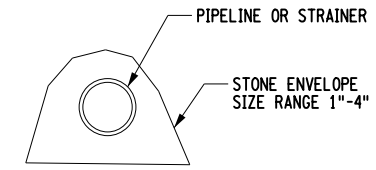
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					DRY HYDRANT PLAN
	BRIDGE REPLACEMENT					
	TOWN OF MARYLAND	COUNTY: OTSEGO	REGION: 9			

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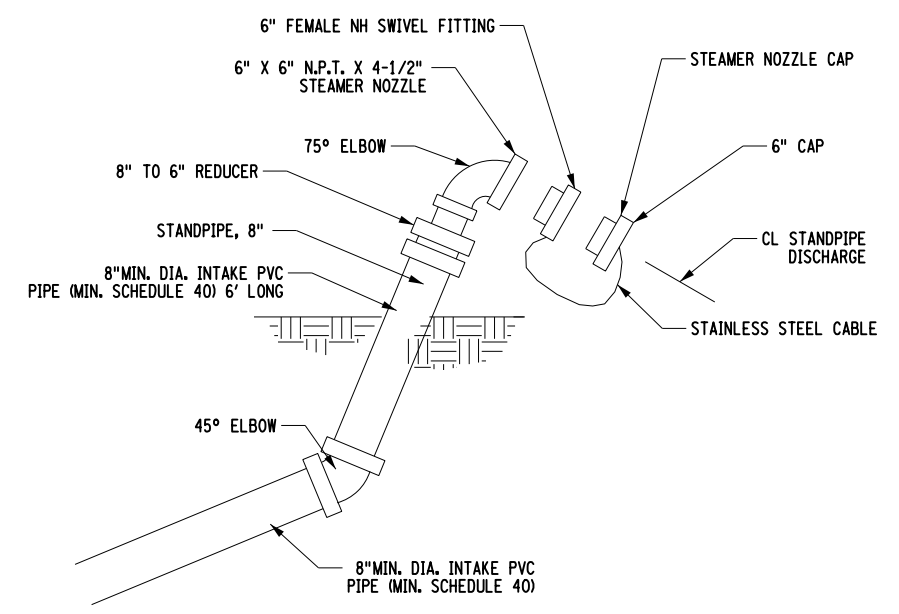


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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



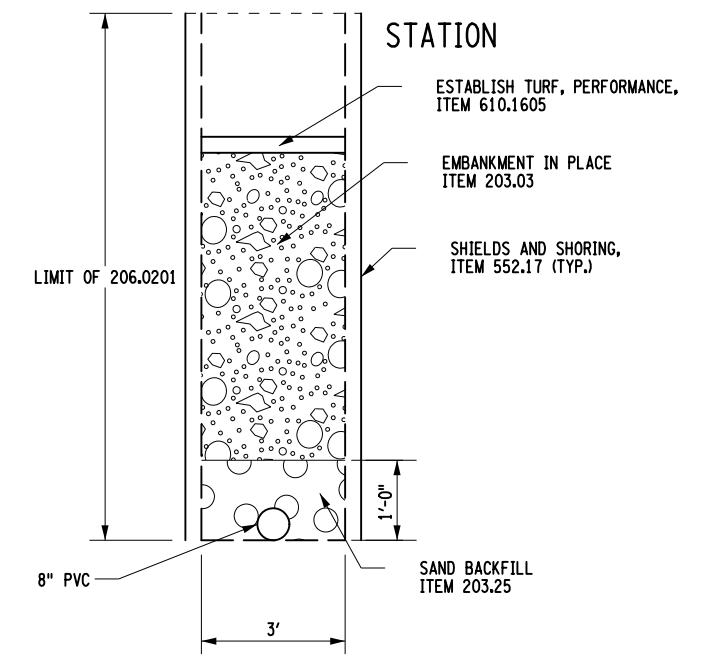
**UNDERWATER SUPPORT AND ANCHOR**  
 N.T.S.  
 (OTHER TYPE PIPE SUPPORT AND ANCHOR MAY BE APPROVED)



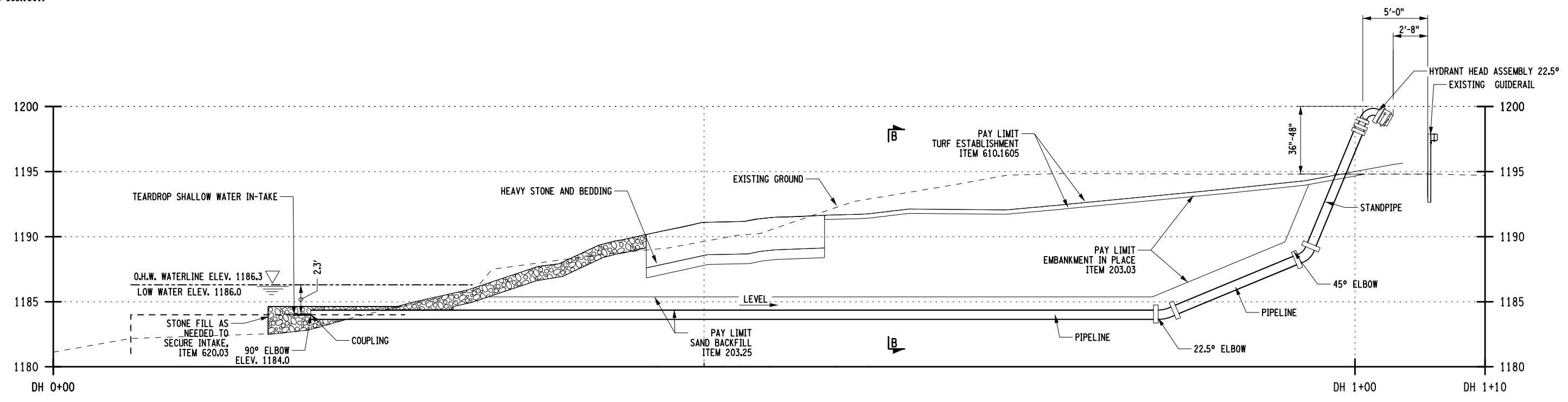
**STAND PIPE AND TRUCK CONNECTOR DETAIL**  
 N.T.S.

ALL COMPONENTS DETAILED ABOVE SHALL BE APPROVED BY THE FIRE DEPT. AN ALTERNATIVE SYSTEM MAY BE SUBMITTED TO THE FIRE DEPT. FOR APPROVAL.

**NOTE:**  
 THE CONTRACTOR SHALL VERIFY THAT THE CONNECTION DETAILS SHOWN ARE COMPATIBLE WITH THE EQUIPMENT OWNED BY THE FIRE DEPARTMENT(S) THAT WILL USE THE PROPOSED DRY HYDRANT. THE CONTRACTOR SHALL COORDINATE A FIELD TEST WITH THE FIRE DEPARTMENT(S). ANY ALTERATIONS NECESSARY TO MAKE THE CONNECTION SYSTEM USABLE BY THE FIRE DEPARTMENT(S) WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL COSTS TO PROVIDE A FUNCTIONING DRY HYDRANT SYSTEM (APPROVED BY THE FIRE DEPARTMENT(S) OR THE ENGINEER) SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 663.1501.



**DRY HYDRANT SECTION**  
 NOT TO SCALE



**DRY HYDRANT PROFILE**

AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_

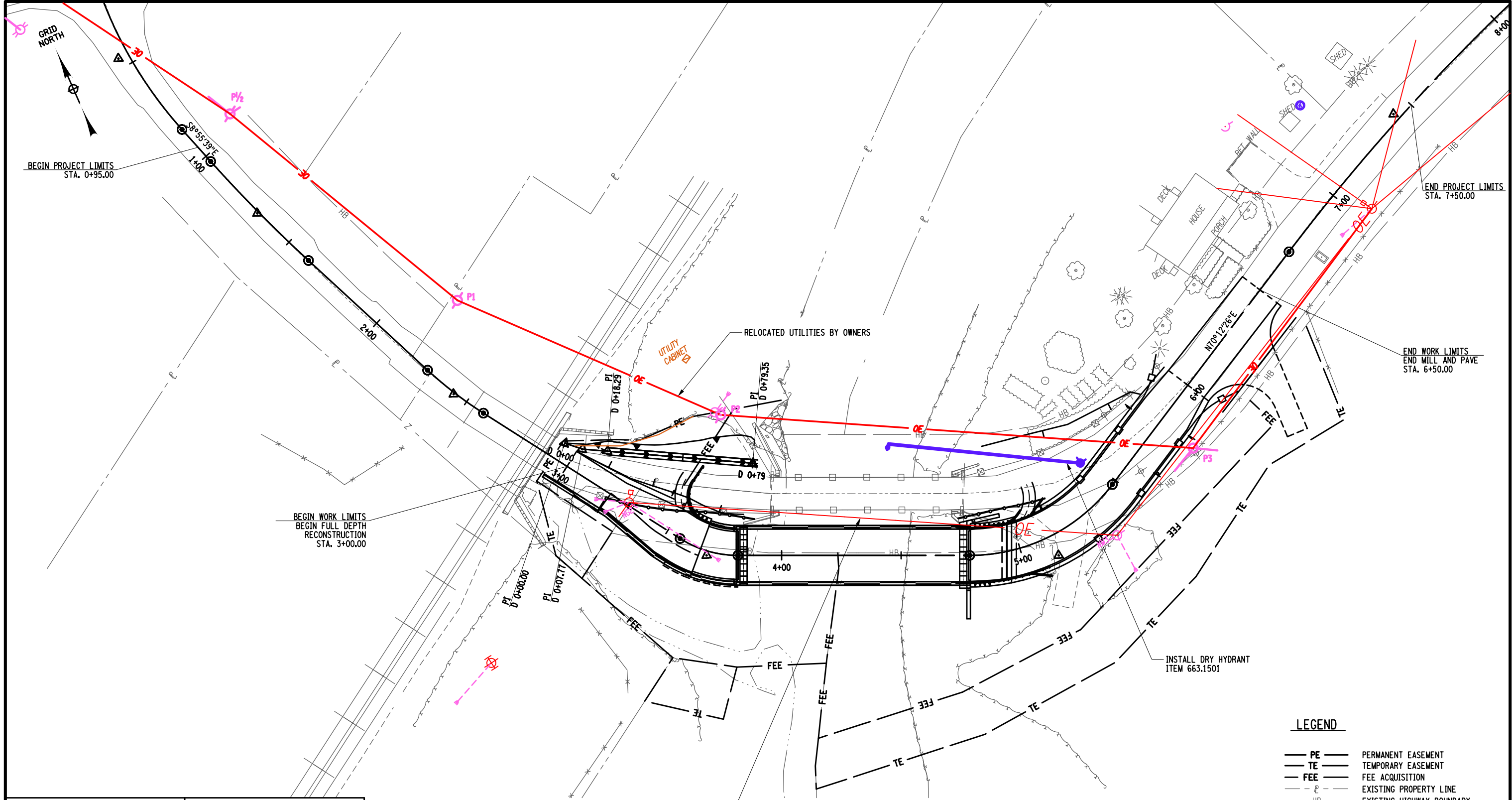
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					DRAWING NO. DRD-2
	BRIDGE REPLACEMENT				<b>DRY HYDRANT DETAILS</b>	SHEET NO. 24 OF 68
	TOWN OF MARYLAND			REGION: 9		

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.



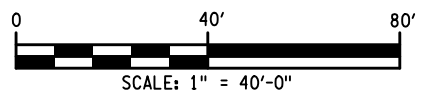
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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



**LEGEND**

— PE —	PERMANENT EASEMENT
— TE —	TEMPORARY EASEMENT
— FEE —	FEE ACQUISITION
— P —	EXISTING PROPERTY LINE
— HB —	EXISTING HIGHWAY BOUNDARY
— X —	EXCAVATION PROTECTION SYSTEM



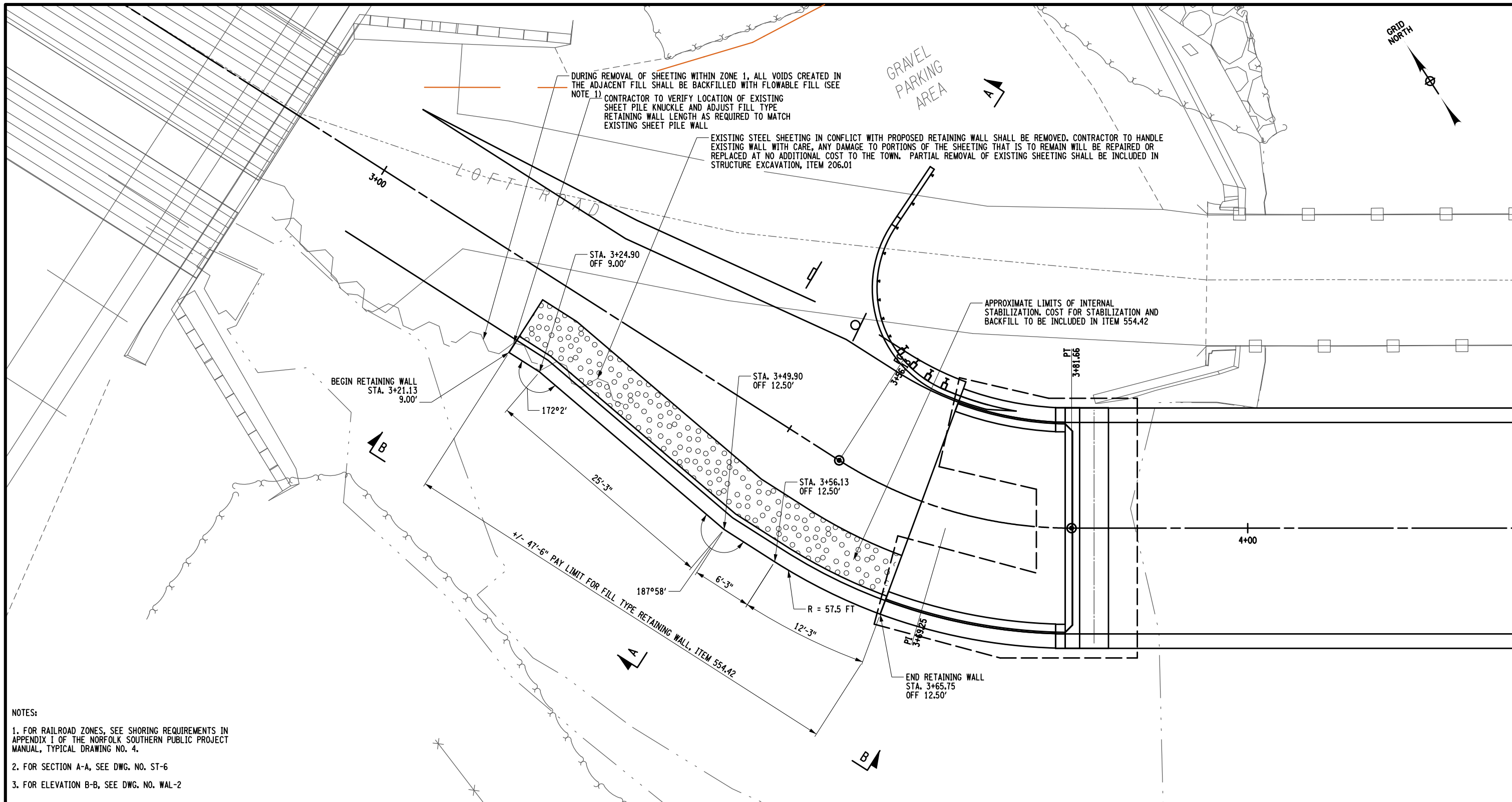
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<p>NOTES:          1. FOR ROADWAY DITCH PROFILE AND DETAILS SEE DWG NO GPR-2.          2. FOR DRY HYDRANT PLAN AND DETAILS SEE DWG NO'S DRD-1 &amp; DRD-2.</p>		<p>EXISTING UTILITIES AND POLES TO BE RELOCATED BY OWNERS</p>				
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD OVER SCHENEVUS CREEK BRIDGE REPLACEMENT TOWN OF MARYLAND COUNTY: OTSEGO	PIN 9755.19 REGION: 9	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
<p>UTILITY PLAN</p>					DRAWING NO. UTP-1	SHEET NO. 25 OF 68
<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>						



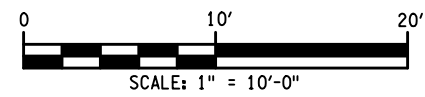
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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 DRAFTING M. VALLETTA/XXX  
 CHECK L. SANDA  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



- NOTES:
1. FOR RAILROAD ZONES, SEE SHORING REQUIREMENTS IN APPENDIX I OF THE NORFOLK SOUTHERN PUBLIC PROJECT MANUAL, TYPICAL DRAWING NO. 4.
  2. FOR SECTION A-A, SEE DWG. NO. ST-6
  3. FOR ELEVATION B-B, SEE DWG. NO. WAL-2

AFFIX SEAL: ON:      ALTERED BY: ON:

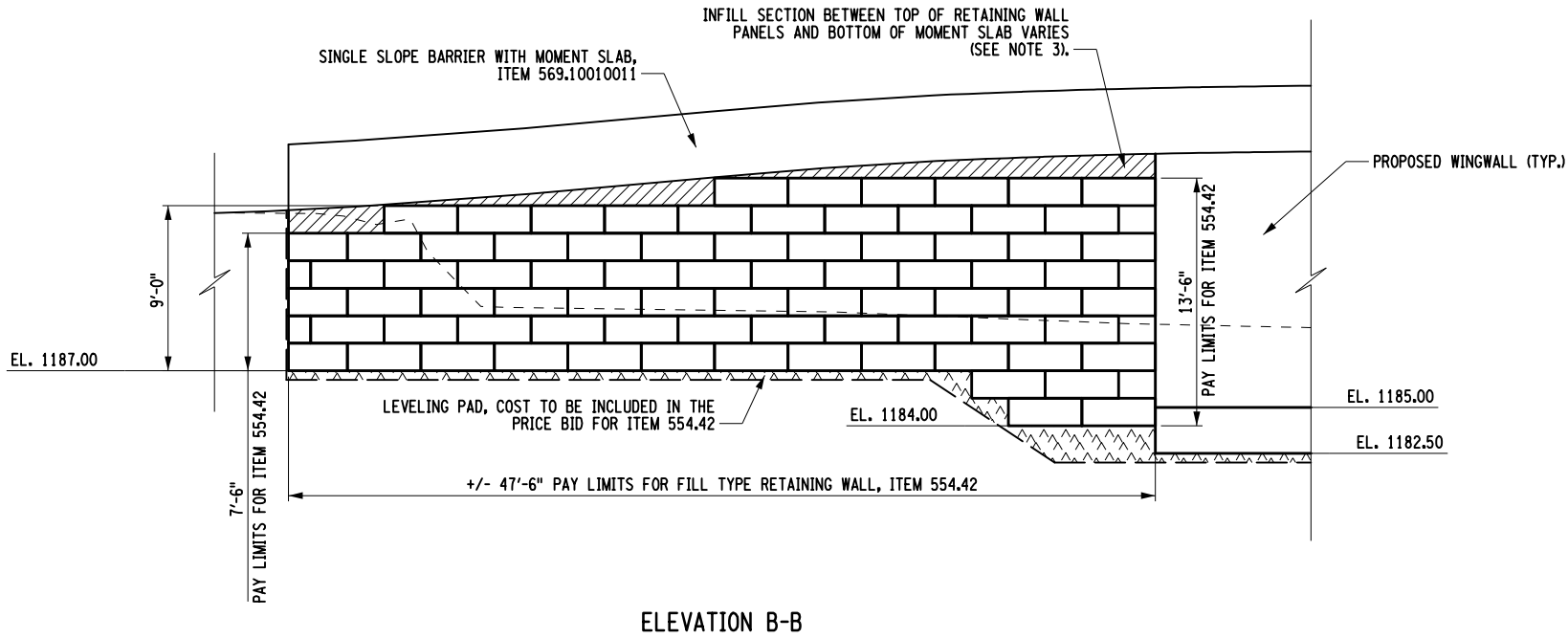


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					DRAWING NO.    WAL-1
	BRIDGE REPLACEMENT				RETAINING WALL PLAN	SHEET NO.    26 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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MOMENT SLAB IS NOT SHOWN FOR CLARITY. FOR MOMENT SLAB DETAILS ALONG THE RETAINING WALL, SEE DWG. NO. ST-36.



ELEVATION B-B

NOTES:

1. CONTRACTOR TO VERIFY THE LOCATION OF THE EXISTING SHEET PILE KNUCKLE AND ADJUST FILL TYPE RETAINING WALL LENGTH AS REQUIRED TO MATCH EXISTING SHEET PILE WALL.
2. RETAINING WALL TO BE DESIGNED BY CONTRACTOR. COST SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 554.42.
3. REQUIRED MATERIALS AND DETAILS FOR THE INFILL SECTION SHALL BE DESIGNED AND PROVIDED BY THE WALL SYSTEM MANUFACTURER. COST TO BE INCLUDED IN THE PRICE BID FOR ITEM 554.42.

RETAINING WALL TABLE

FILL TYPE RETAINING WALL (SF)  
ITEM 554.42

481

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD OVER SCHENEVUS CREEK BRIDGE REPLACEMENT TOWN OF MARYLAND COUNTY: OTSEGO	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
					RETAINING WALL DETAILS	DRAWING NO. WAL-2 SHEET NO. 27 OF 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.

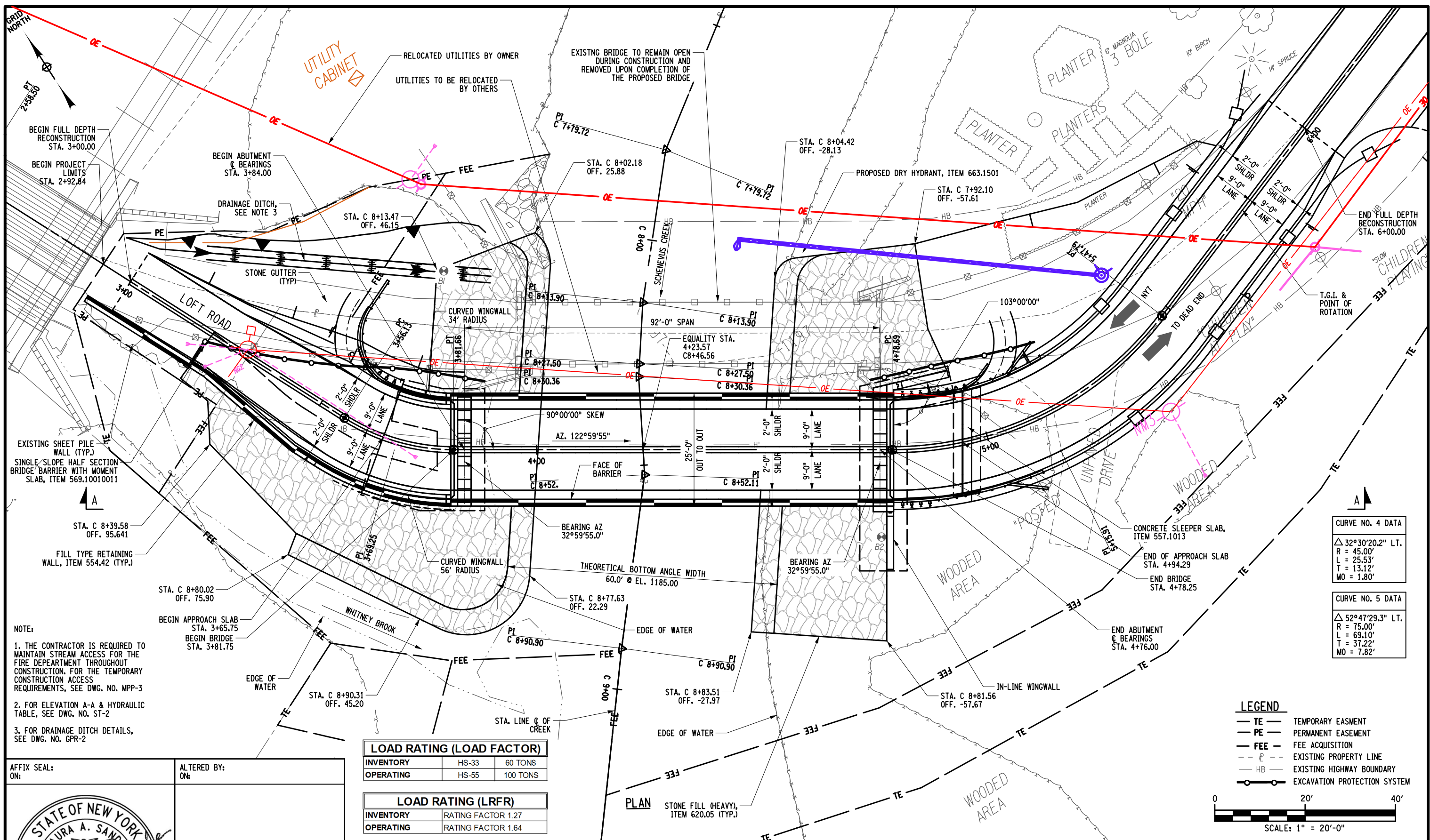


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DATE/TIME = 5/13/2026  
USER = RGenung

DESIGN SUPERVISOR L. SANDA  
JOB MANAGER L. SANDA  
DESIGN R. GENUNG  
DRAFTING M. VALLETTA/XXX  
CHECK L. SANDA  
CHECK S. FAULKNER/R. GENUNG  
PROJECT MANAGER L. SANDA

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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 DESIGN R. GENUNG  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



**NOTE:**

- THE CONTRACTOR IS REQUIRED TO MAINTAIN STREAM ACCESS FOR THE FIRE DEPARTMENT THROUGHOUT CONSTRUCTION. FOR THE TEMPORARY CONSTRUCTION ACCESS REQUIREMENTS, SEE DWG. NO. MPP-3
- FOR ELEVATION A-A & HYDRAULIC TABLE, SEE DWG. NO. ST-2
- FOR DRAINAGE DITCH DETAILS, SEE DWG. NO. GPR-2

AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_



**AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:**

LOFT ROAD	PIN 9755.19
OVER SCHEVENS CREEK	BRIDGES 2227620
BRIDGE REPLACEMENT	CULVERTS
TOWN OF MARYLAND	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
COUNTY: OTSEGO	REGION: 9

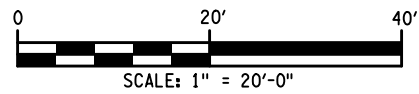
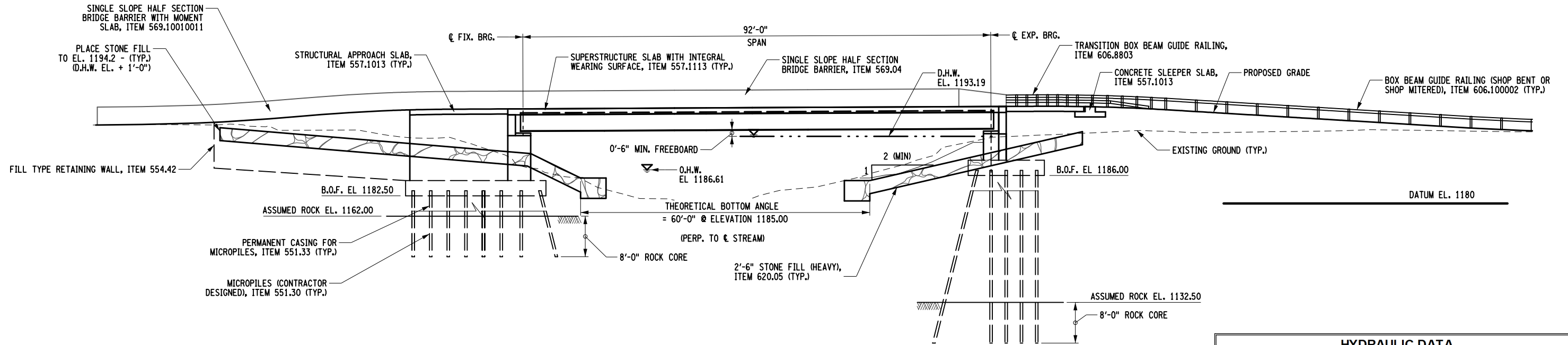
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<b>GENERAL PLAN</b>		CONTRACT NUMBER LD040434
<b>GENERAL PLAN</b>		DRAWING NO. ST-1
<b>GENERAL PLAN</b>		SHEET NO. 28 OF 68



FILE NAME = M:\18825.00\Loft Road Bridge\Drawings\975519\_opb\_elev.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



HYDRAULIC DATA			
DRAINAGE AREA AT BRIDGE SITE	96.3	SQ. MI.	BASIC FLOOD
RECCURENCY INTERVAL		(YEARS)	DESIGN FLOOD
PEAK DISCHARGE		(CFS)	7,300
			6,450
FREEBOARD HIGH WATER SURFACE ELEVATIONS	EXISTING	1194.16	1193.53
	PROPOSED	1193.71	1193.19
LOW CHORD ELEVATION & ESTIMATED FREEBOARD (FEET)	EXISTING LOW CHORD	1193.44	
	EXISTING FREEBOARD	-0.72	-0.09
	PROPOSED LOW CHORD	1193.74	
	PROPOSED FREEBOARD	0.03	0.55
MAXIMUM VELOCITY THRU PROPOSED @ DESIGN FLOOD		8.90 FT/SEC	

SCOUR ANALYSIS:	MINIMUM CHANNEL ELEVATION (FEET)				1181.00
	Q100 SCOUR DEPTH (FT.)	Q100 SCOUR ELEV. (FT.)	Q500 SCOUR DEPTH (FT.)	Q500 SCOUR ELEV. (FT.)	
BEGIN ABUTMENT	4.10	1176.90	7.20	1173.80	
END ABUTMENT	4.10	1176.90	7.20	1173.80	
SCOUR DEPTH IS MEASURED FROM THE MINIMUM CHANNEL ELEVATIONS.					

AFFIX SEAL: ON: \_\_\_\_\_

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

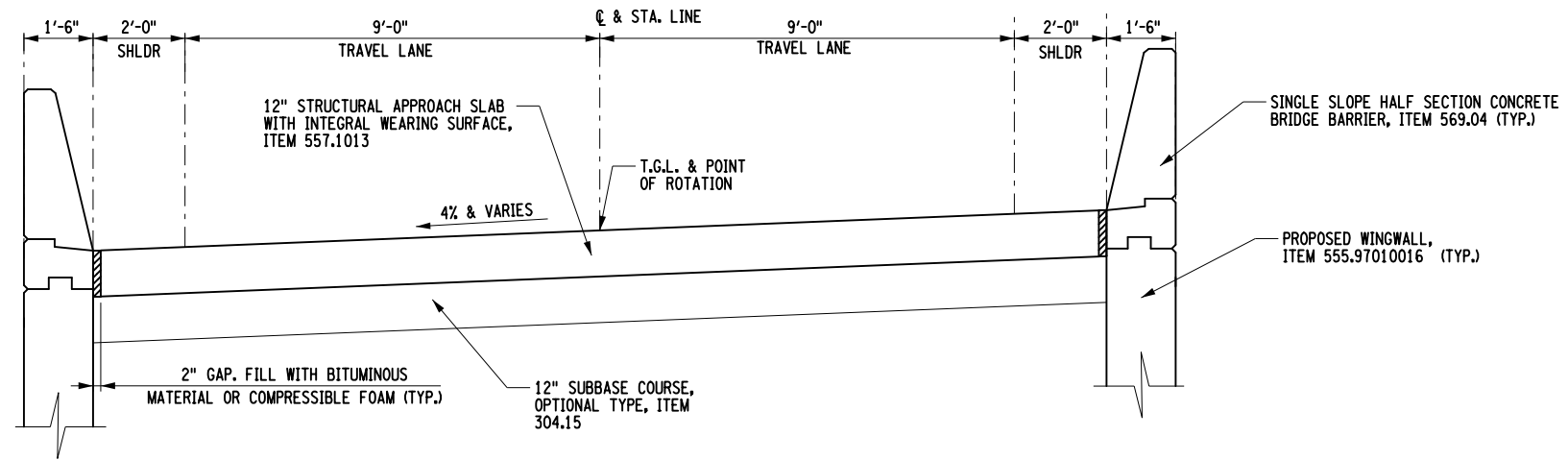
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				<b>ELEVATION</b>	DRAWING NO. ST-2
	BRIDGE REPLACEMENT					SHEET NO. 29 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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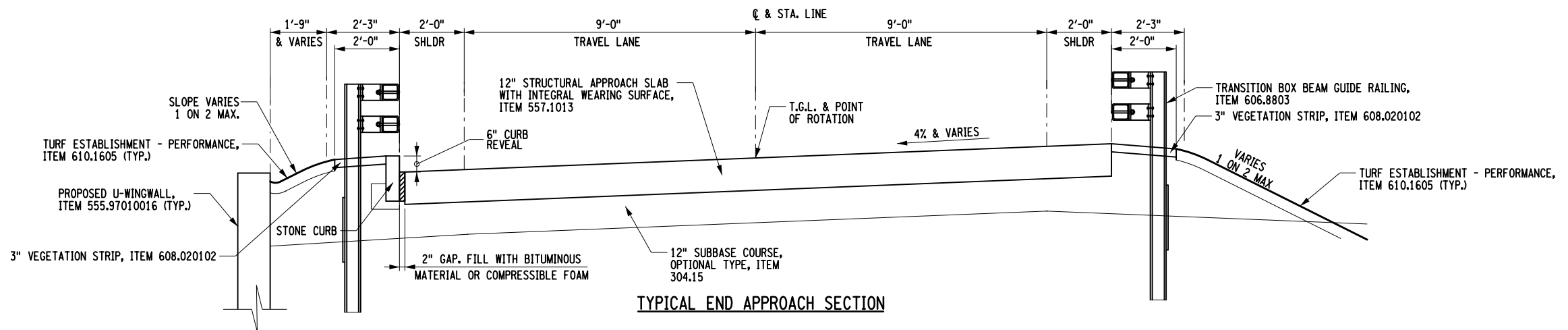


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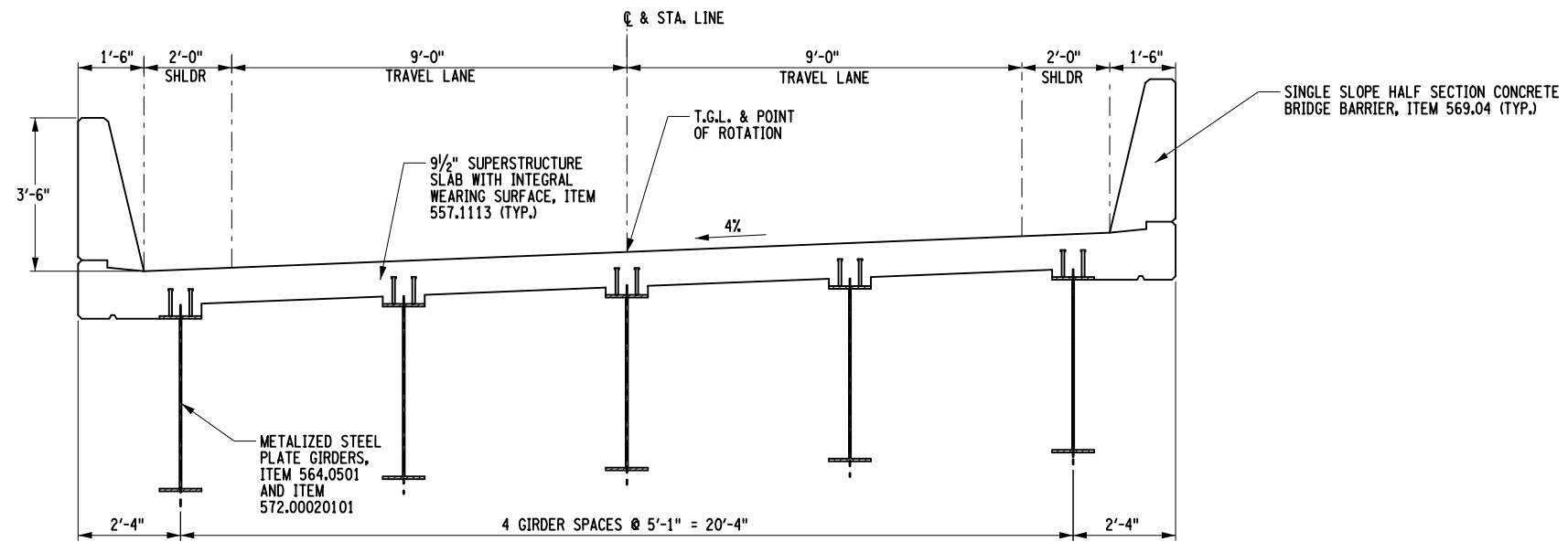
DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



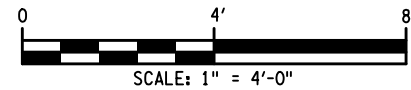
TYPICAL BEGIN APPROACH SECTION



TYPICAL END APPROACH SECTION



TYPICAL BRIDGE SECTION



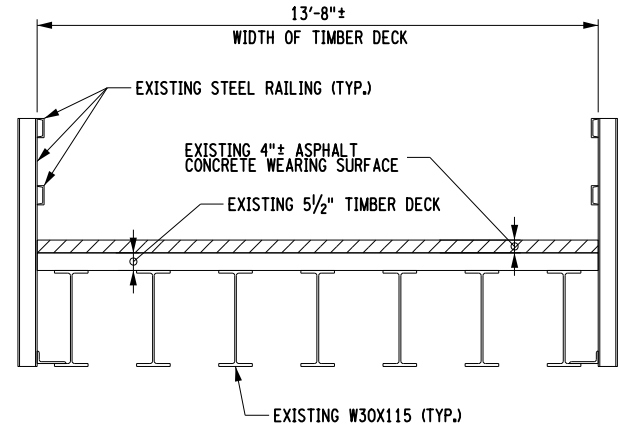
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ALTERED BY: ON: \_\_\_\_\_

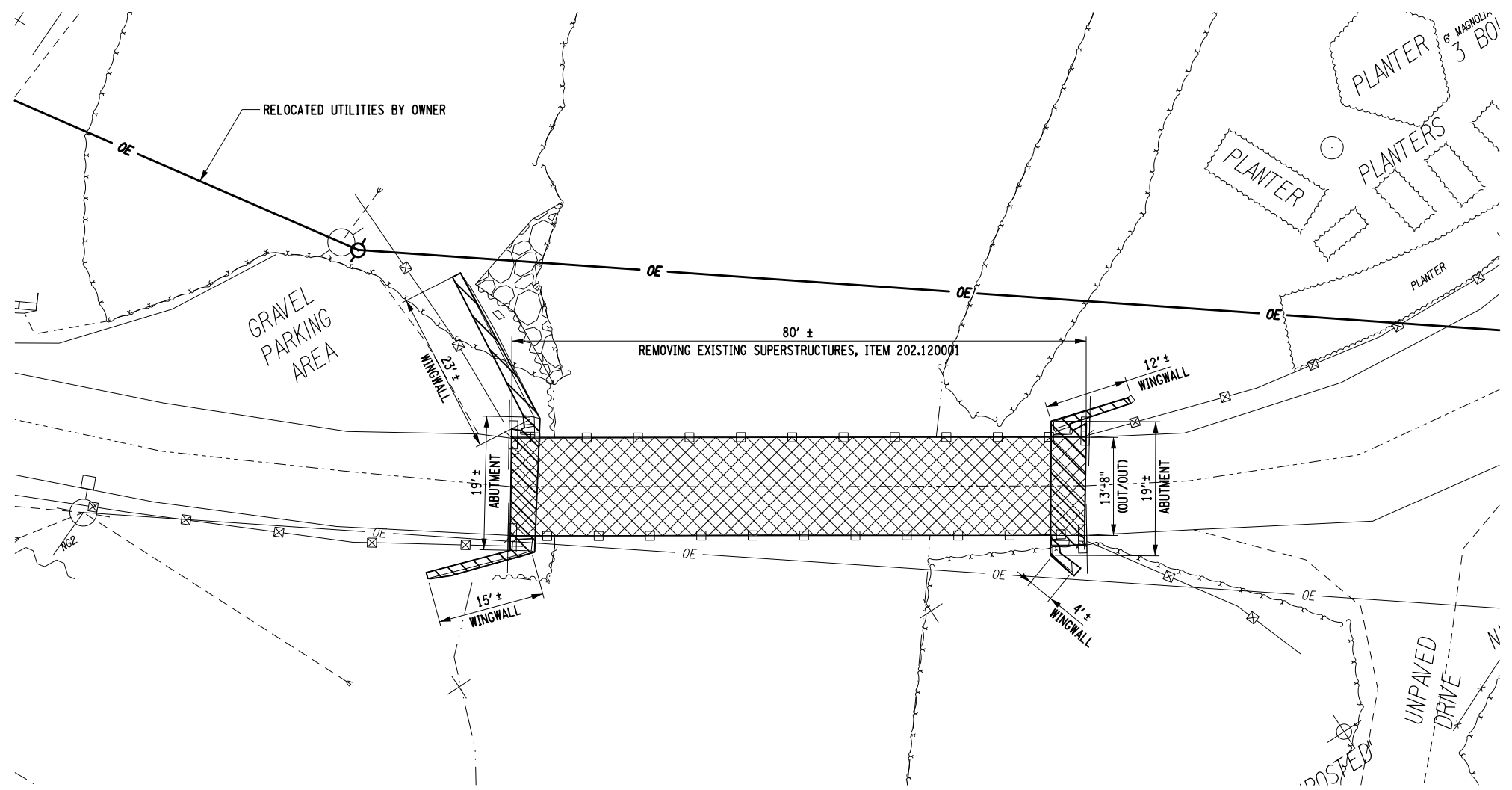
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				DRAWING NO. ST-3
	BRIDGE REPLACEMENT				SHEET NO. 30 OF 68
	TOWN OF MARYLAND				
	COUNTY: OTSEGO	REGION: 9			
IT IS A VIOLATION 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.					



CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK L. SANDA  
 DESIGN R. GENUNG  
 JOB MANAGER L. SANDA  
 DESIGN SUPERVISOR L. SANDA



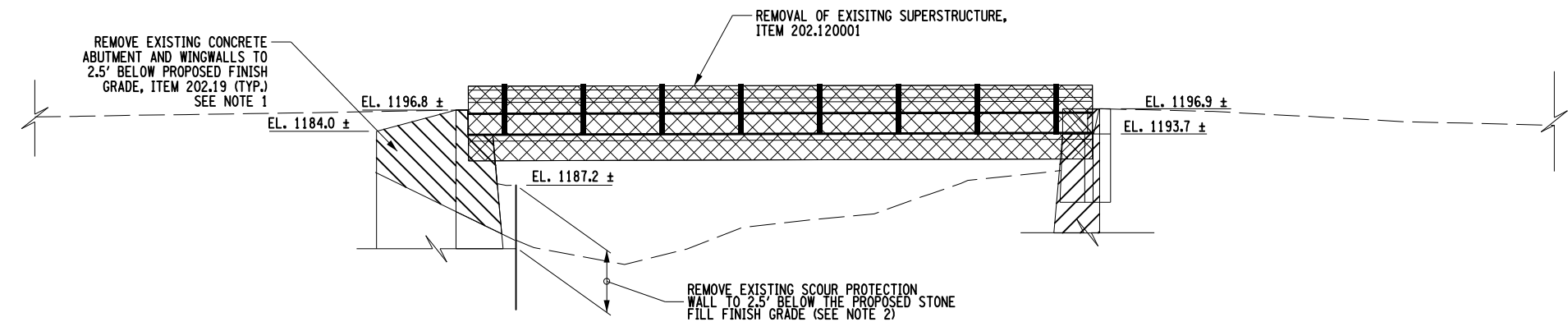
EXISTING BRIDGE SECTION



PLAN

NOTES:

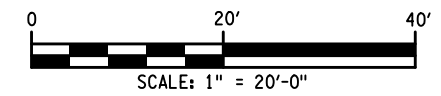
1. THE CONTRACTOR SHALL ONLY REMOVE THE TOP PORTION OF THE EXISTING CONCRETE SUBSTRUCTURES. THE LOWER REMOVAL PAY LIMIT ELEVATION SHALL BE 2.5' BELOW THE TOP OF PROPOSED STONE FILL ELEVATION. NO OVER-EXCAVATION WILL BE ALLOWED WITHOUT PRIOR WRITTEN PERMISSION FROM THE ENGINEER.
2. EXISTING SCOUR PROTECTION WALL CONSISTS OF STEEL SHEETING IN FRONT OF THE WINGWALLS AND HP PILE LAGGING IN FRONT OF THE BEGIN ABUTMENT. PARTIAL REMOVAL OF THE SCOUR PROTECTION WALLS TO COMPLETE WORK SHALL BE INCLUDED IN STRUCTURE EXCAVATION, ITEM 206.01.
3. STRUCTURE DIMENSIONS AND ELEVATIONS SHOWN ARE BASED ON THE PROJECT SURVEY AND ARE PROVIDED FOR REFERENCE ONLY. THE FINAL PAY QUANTITIES WILL BE DETERMINED FROM FIELD MEASUREMENTS AND ONLY WITHIN THE PAY LIMITS PROVIDED IN THE NOTES AND SPECIFICATIONS.
4. REMOVAL OF EXISTING STRUCTURE TO OCCUR ONCE TRAFFIC IS MAINTAINED ON THE PROPOSED STRUCTURE.
5. APPROACH W-BEAM GUIDE RAIL NOT SHOWN FOR CLARITY.



ELEVATION

**LEGEND**

	REMOVAL OF EXISTING SUBSTRUCTURES, ITEM 202.19
	REMOVAL OF EXISTING SUPERSTRUCTURE, ITEM 202.120001



AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					DRAWING NO. ST-4
	BRIDGE REPLACEMENT					SHEET NO. 31 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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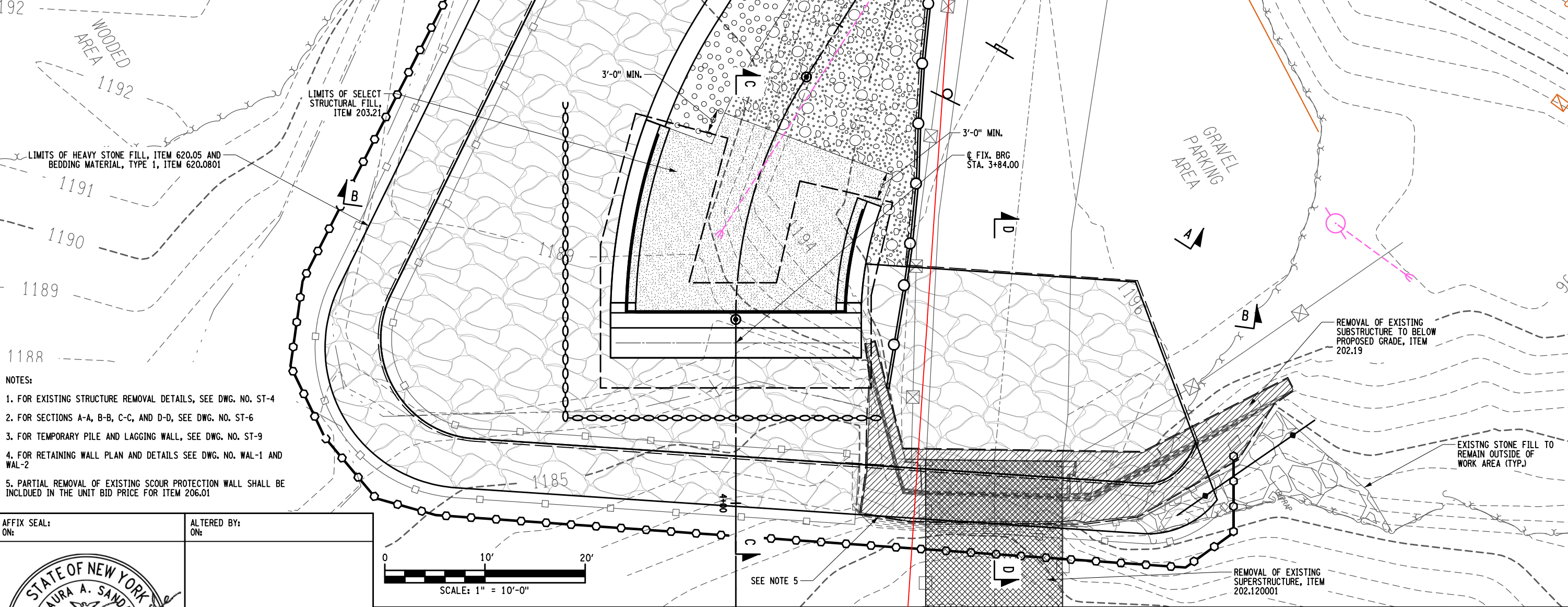


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 USER = RGenung

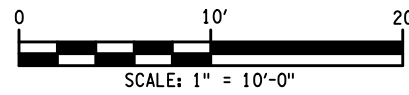
DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

- LEGEND**
- EMBANKMENT IN PLACE, ITEM 203.03
  - SELECT STRUCTURE FILL, ITEM 203.21
  - HEAVY STONE FILL, ITEM 620.05
  - REMOVAL OF EXISTING SUPERSTRUCTURES, ITEM 202.120001
  - REMOVAL OF EXISTING SUBSTRUCTURES, ITEM 202.19
  - COFFERDAM, TYPE 2, ITEM 553.020001
  - TURBIDITY CURTAIN, ITEM 209.1501
  - SEDIMENT FILTER LOG, ITEM 209.1311
  - PREFABRICATED COMPOSITE STRUCTURAL DRAIN, ITEM 207.26
  - LIMITS OF STRUCTURE EXCAVATION, ITEM 206.01
  - AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH AND CULVERT EXCAVATION, ITEM 206.0201
  - MECHANICALLY STABILIZED EARTH SYSTEM BACKFILL SEE 554-01 STANDARD SHEETS FOR ADDITIONAL NOTES



- NOTES:**
1. FOR EXISTING STRUCTURE REMOVAL DETAILS, SEE DWG. NO. ST-4
  2. FOR SECTIONS A-A, B-B, C-C, AND D-D, SEE DWG. NO. ST-6
  3. FOR TEMPORARY PILE AND LAGGING WALL, SEE DWG. NO. ST-9
  4. FOR RETAINING WALL PLAN AND DETAILS SEE DWG. NO. WAL-1 AND WAL-2
  5. PARTIAL REMOVAL OF EXISTING SCOUR PROTECTION WALL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 206.01

AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_



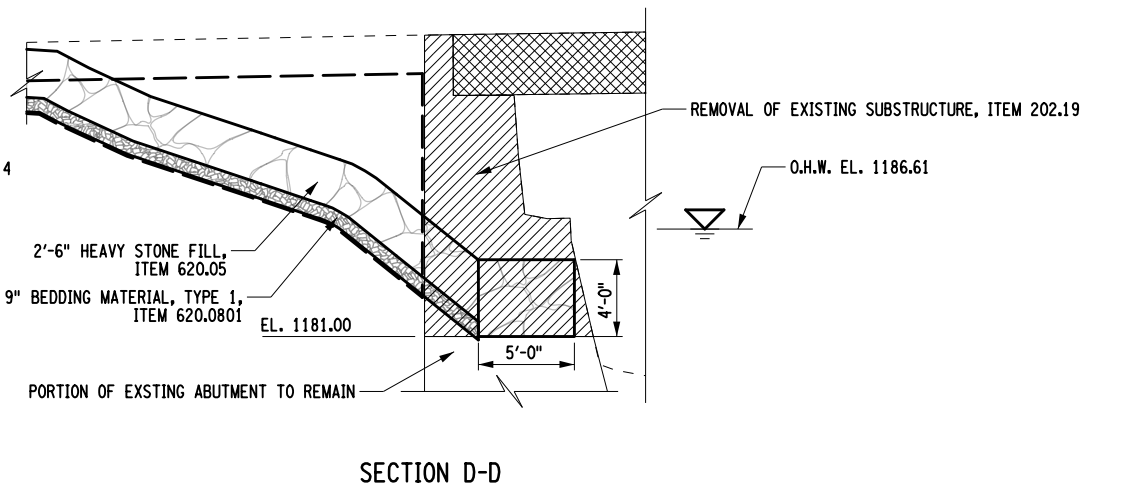
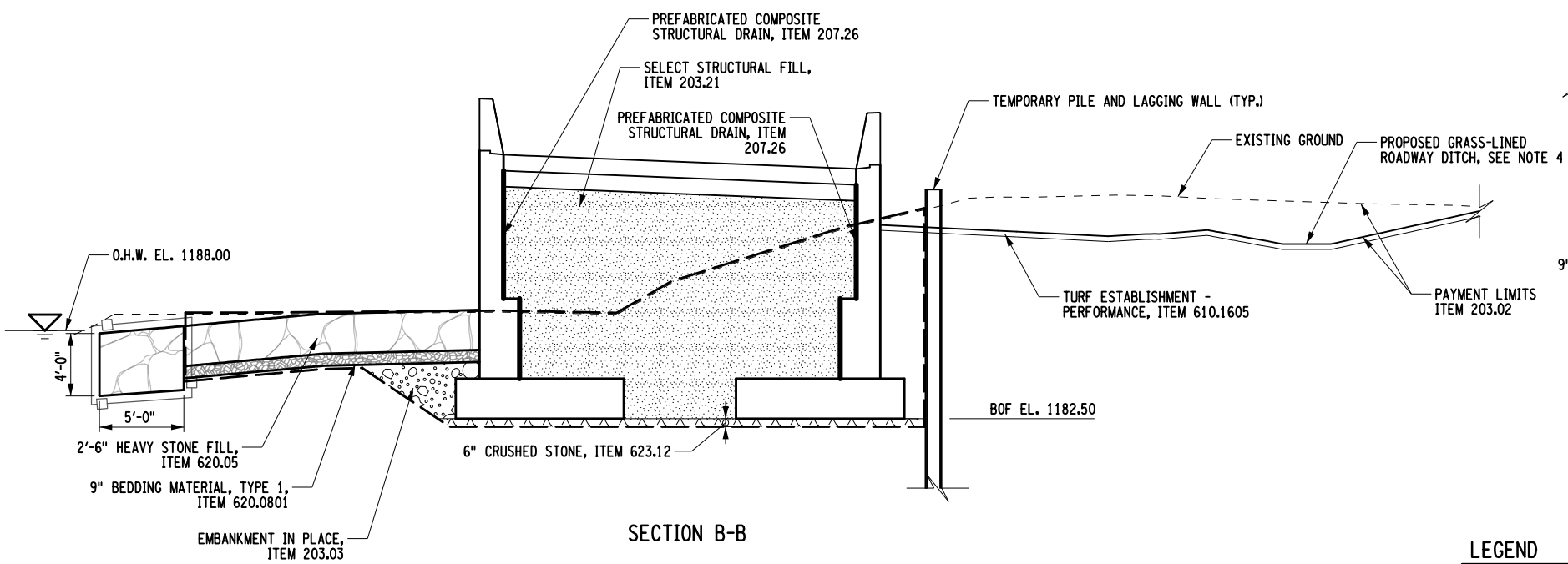
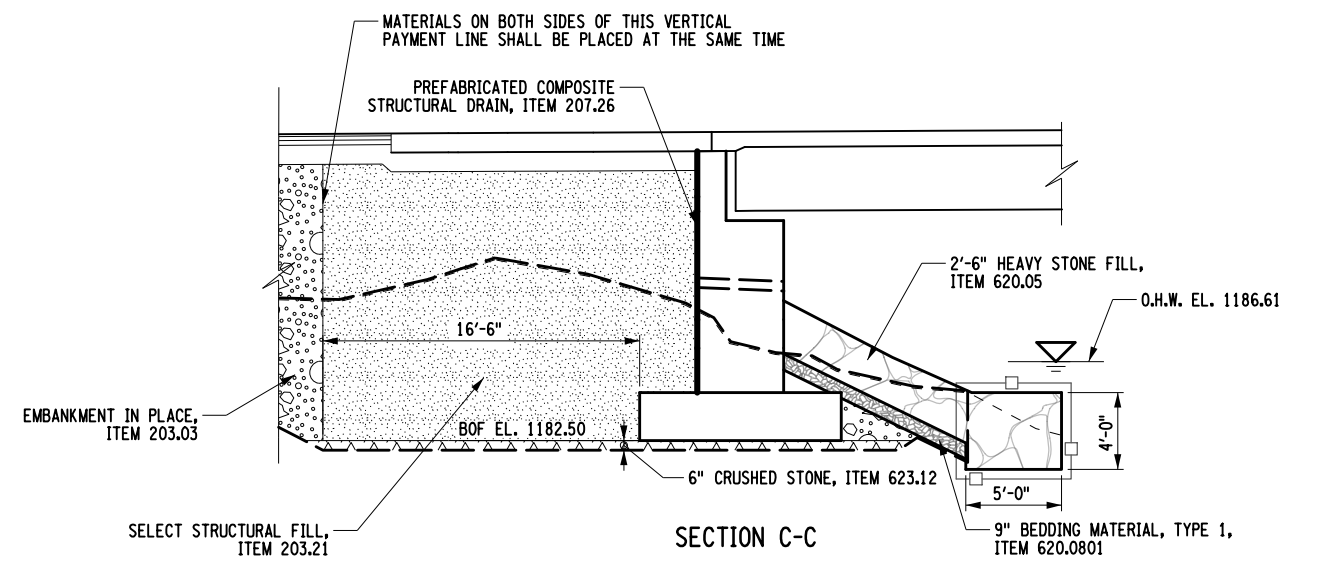
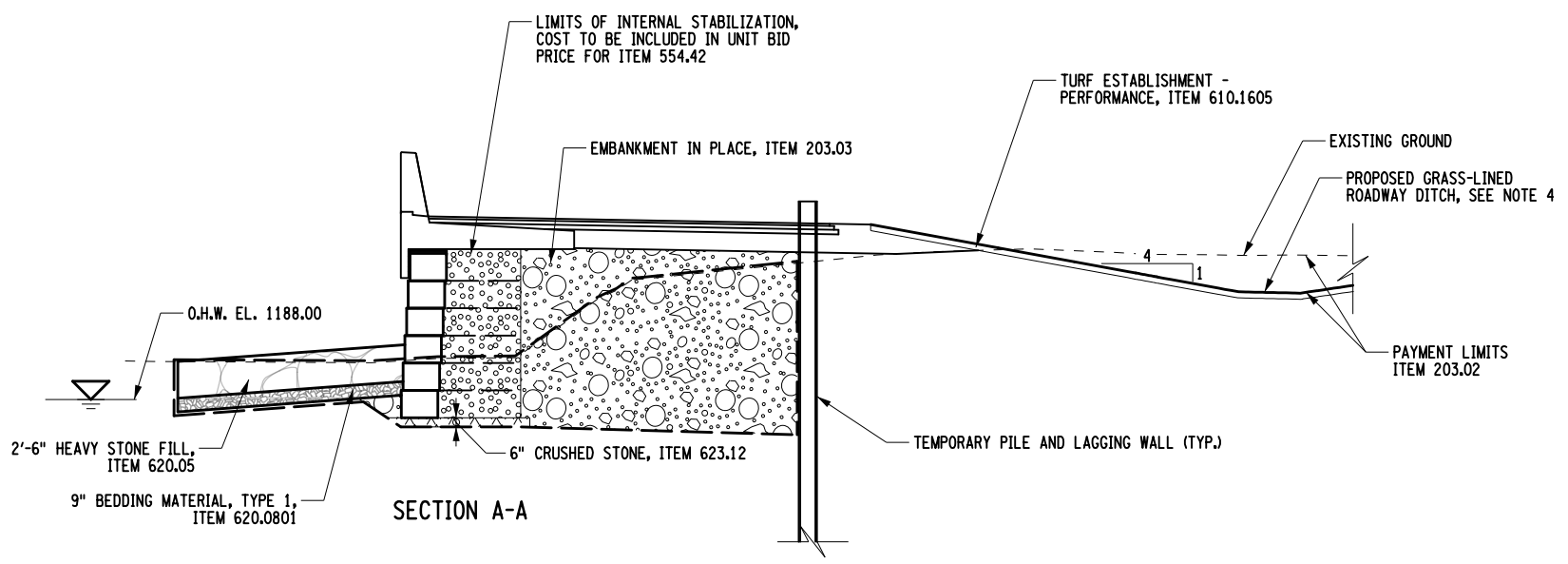
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	OVER SCHENEVUS CREEK					LD040434
	BRIDGE REPLACEMENT				<b>BEGIN ABUTMENT EXCAVATION AND EMBANKMENT PLAN</b>	DRAWING NO. ST-5
	TOWN OF MARYLAND					SHEET NO. 32 OF 68
COUNTY: OTSEGO	REGION: 9					

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CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK L. SANDA  
 DESIGN R. GENUNG  
 JOB MANAGER L. SANDA  
 DESIGN SUPERVISOR L. SANDA

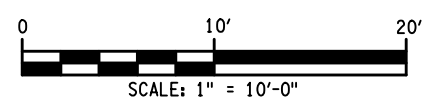
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 DATE/TIME = 5/13/2026  
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- NOTES:
1. FOR EXISTING STRUCTURE REMOVAL DETAILS, SEE DWG. NO. ST-4
  2. FOR TEMPORARY PILE AND LAGGING WALL DETAILS, SEE DWG. NO. ST-9
  3. FOR RETAINING WALL PLAN AND DETAILS, SEE DWG. NO. WAL-1 AND WAL-2
  4. FOR GRASS-LINED ROADWAY DITCH DETAILS, SEE DWG. NO. GPR-2

AFFIX SEAL: ON:

ALTERED BY: ON:



LEGEND	
	EMBAKMENT IN PLACE, ITEM 203.03
	SELECT STRUCTURE FILL, ITEM 203.21
	HEAVY STONE FILL, ITEM 620.05
	BEDDING MATERIAL, TYPE 1, ITEM 620.0801
	REMOVAL OF EXISTING SUPERSTRUCTURES, ITEM 202.120001
	REMOVAL OF EXISTING SUBSTRUCTURES, ITEM 202.19
	COFFERDAM, TYPE 2, ITEM 553.020001
	TURBIDITY CURTAIN, ITEM 209.1501
	SEDIMENT FILTER LOG, ITEM 209.1311
	PREFABRICATED COMPOSITE STRUCTURAL DRAIN, ITEM 207.26
	LIMITS OF STRUCTURE EXCAVATION, ITEM 206.01
	AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH AND CULVERT EXCAVATION, ITEM 206.0201

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				BEGIN ABUTMENT EXCAVATION AND EMBANKMENT SECTIONS	DRAWING NO. ST-6
	BRIDGE REPLACEMENT					SHEET NO. 33 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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.



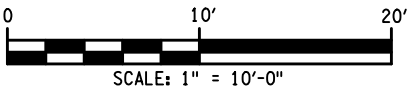
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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



- LEGEND**
- EMBANKMENT IN PLACE, ITEM 203.03
  - SELECT STRUCTURE FILL, ITEM 203.21
  - HEAVY STONE FILL, ITEM 620.05
  - REMOVAL OF EXISTING SUPERSTRUCTURES, ITEM 202.120001
  - REMOVAL OF EXISTING SUBSTRUCTURES, ITEM 202.19
  - COFFERDAM, TYPE 2, ITEM 553.020002
  - TURBIDITY CURTAIN, ITEM 209.1501
  - SEDIMENT FILTER LOG, ITEM 209.1311
  - PREFABRICATED COMPOSITE STRUCTURAL DRAIN, ITEM 207.26
  - LIMITS OF STRUCTURE EXCAVATION, ITEM 206.01
  - AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH AND CULVERT EXCAVATION, ITEM 206.0201

AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				<b>END ABUTMENT EXCAVATION AND EMBANKMENT PLAN</b>	DRAWING NO. ST-7
	BRIDGE REPLACEMENT					SHEET NO. 34 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

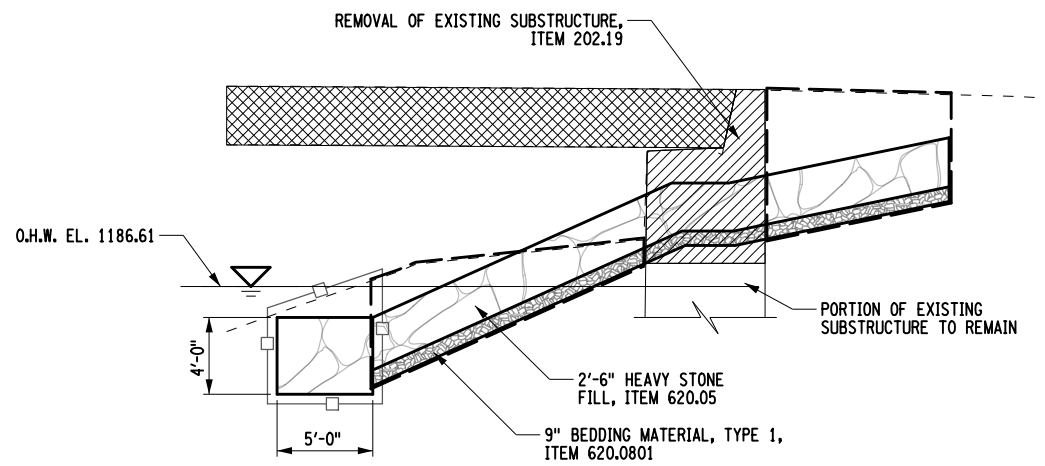
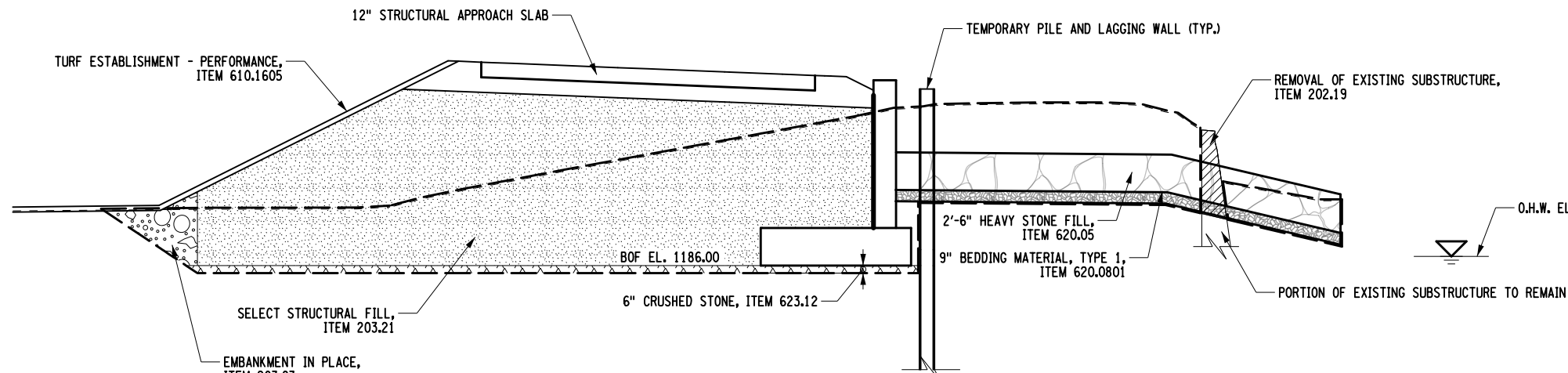
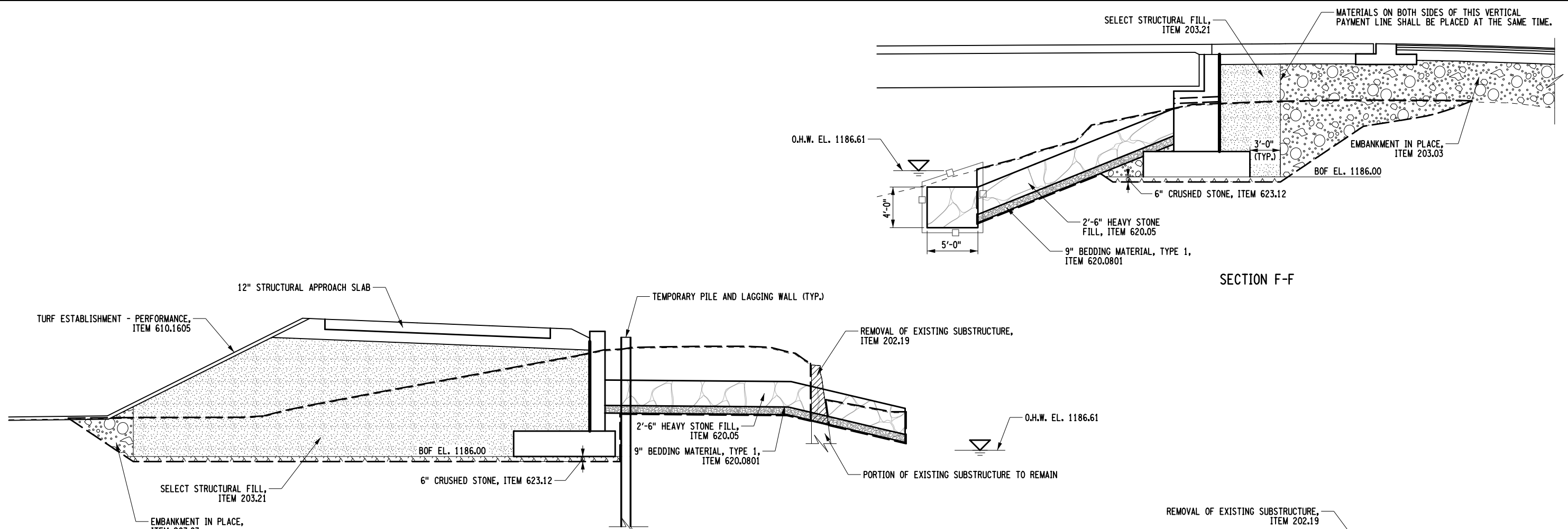
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- NOTES:**
- FOR EXISTING STRUCTURE REMOVAL DETAILS, SEE DWG. NO. ST-4
  - FOR SECTIONS E-E, F-F, AND G-G, SEE DWG. NO. ST-8
  - FOR TEMPORARY PILE AND LAGGING WALL, SEE DWG. NO. ST-10



DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

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 DATE/TIME = 5/13/2026  
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SECTION E-E

SECTION F-F

SECTION G-G

**LEGEND**

- EMBANKMENT IN PLACE, ITEM 203.03
- SELECT STRUCTURE FILL, ITEM 203.21
- HEAVY STONE FILL, ITEM 620.05
- BEDDING MATERIAL, TYPE 1, ITEM 620.0801
- REMOVAL OF EXISTING SUPERSTRUCTURES, ITEM 202.120001
- REMOVAL OF EXISTING SUBSTRUCTURES, ITEM 202.19
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- LIMITS OF STRUCTURE EXCAVATION, ITEM 206.01
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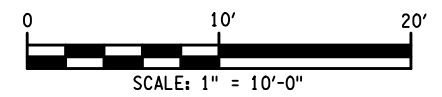
- NOTES:**
1. FOR EXISTING STRUCTURE REMOVAL DETAILS, SEE DWG. NO. ST-4
  2. FOR TEMPORARY PILE AND LAGGING WALL, SEE DWG. NO. ST-10

AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_



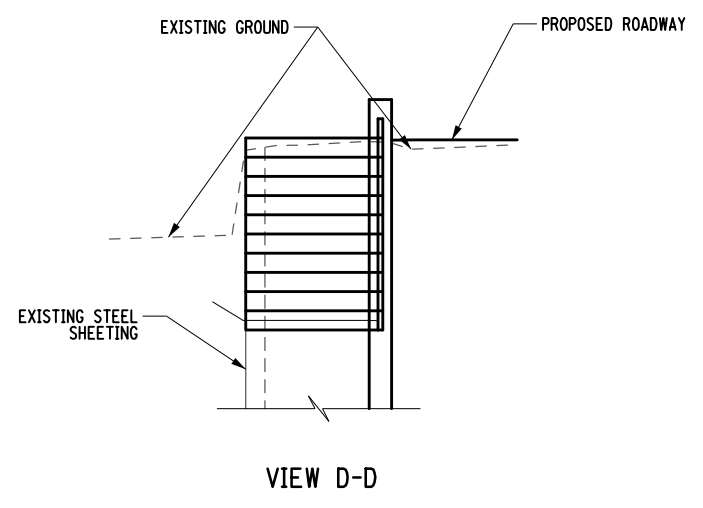
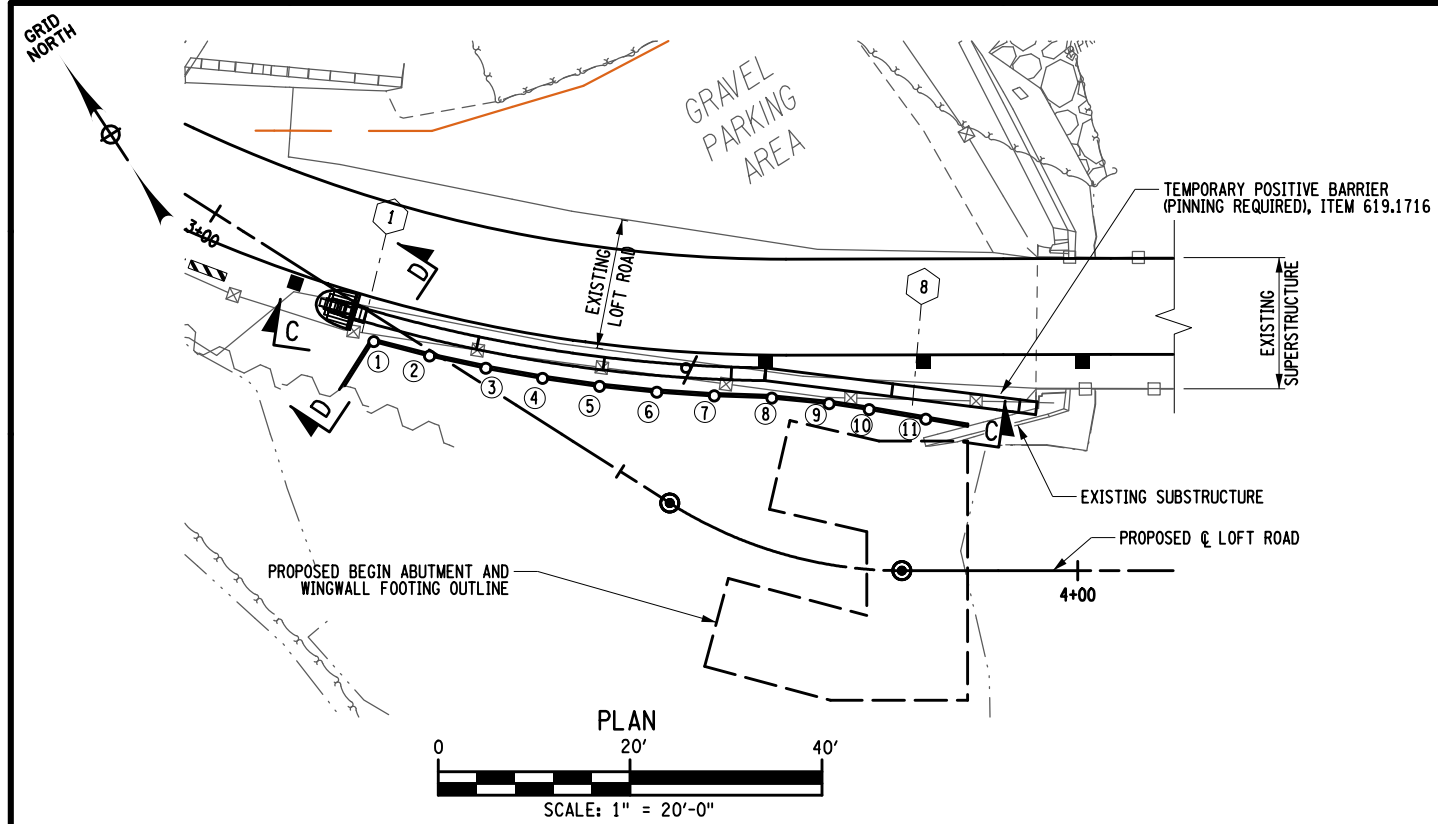
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD OVER SCHENEVUS CREEK BRIDGE REPLACEMENT TOWN OF MARYLAND COUNTY: OTSEGO	PIN 9755.19 REGION: 9	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED <b>END ABUTMENT EXCAVATION AND EMBANKMENT SECTIONS</b>	CONTRACT NUMBER LD040434	DRAWING NO. ST-8 SHEET NO. 35 OF 68
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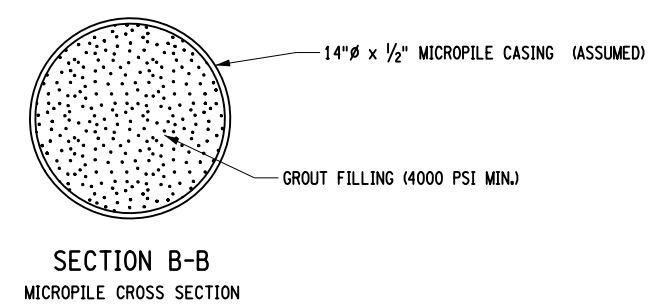
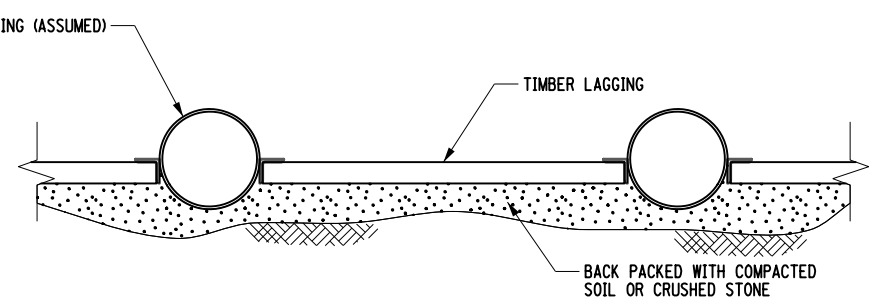
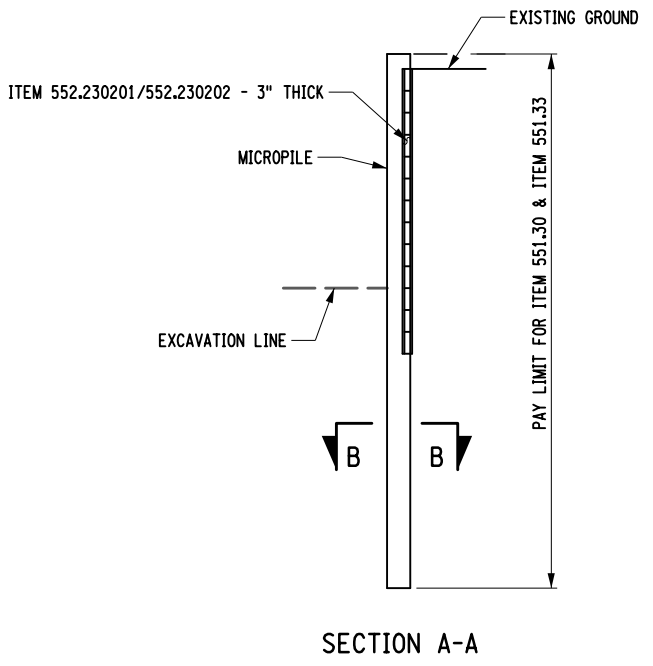
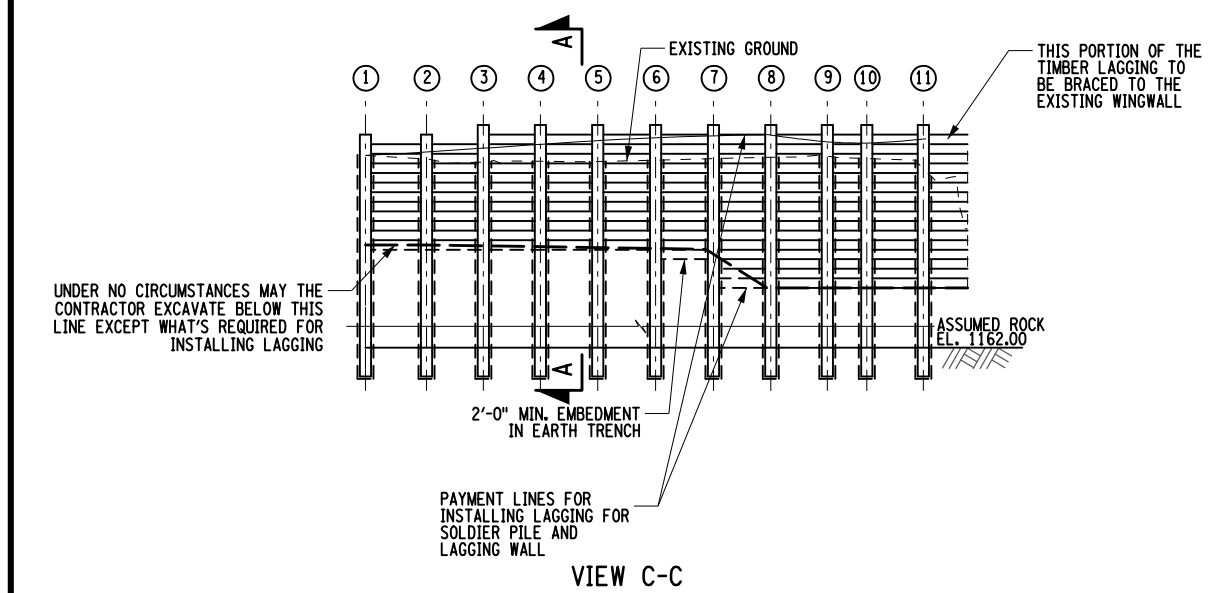
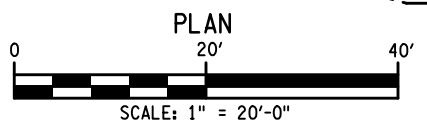


CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK L. SANDA  
 DESIGN R. GENUNG  
 JOB MANAGER L. SANDA  
 DESIGN SUPERVISOR L. SANDA

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TEMPORARY MICROPILE LAGGING WALL TABLE - BEGIN LEFT				
PILE NO.	STATION	OFFSET (FT.)	PILE TOP ELEVATION (FT.)	DEPTH OF EXCAVATION (FT.)
1	3+21.09	2.39	1197.00	1187.00
2	3+26.79	0.53	1197.00	1187.00
3	3+32.42	-1.54	1199.00	1187.00
4	3+37.97	-3.83	1199.00	1187.00
5	3+43.43	-6.32	1199.00	1187.00
6	3+48.79	-9.02	1199.00	1187.00
7	3+54.05	-11.91	1199.00	1184.00
8	3+60.74	-14.78	1199.00	1182.00
9	3+69.61	-16.37	1199.00	1182.00
10	3+76.25	-16.58	1199.00	1182.00
11	3+84.17	-15.78	1199.00	1182.00



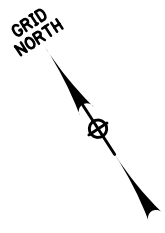
- NOTES:
1. SPACERS OR SHIMS SHALL BE USED BETWEEN THE LAGGING TO ALLOW FREE DRAINAGE OF WATER BEHIND THE MICROPILE AND LAGGING WALL.
  2. FOR THE PORTION OF WALL LOCATED OUTSIDE THE NEW ROAD-BED LIMITS; WHEN NO LONGER NEEDED FOR EXCAVATION SUPPORT, REMOVE LAGGING TO 2'-0" BELOW FINAL GROUND SURFACE. CUT OFF AND REMOVE MICROPILES TO A MINIMUM OF 2'-0" BELOW FINAL GROUND SURFACE.
  3. FOR THE PORTION OF WALL LOCATED INSIDE THE NEW ROAD-BED LIMITS; WHEN NO LONGER NECESSARY FOR EXCAVATION SUPPORT, REMOVE LAGGING TO THE SUBGRADE SURFACE AND CUT OFF AND REMOVE MICROPILES TO THE SUBGRADE SURFACE.
  4. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE MICROPILE LAGGING WALL, INCLUDING ALL CONNECTIONS AND MECHANICAL FASTENERS. THE COST TO BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 551.30.

AFFIX SEAL: ON:	ALTERED BY: ON:

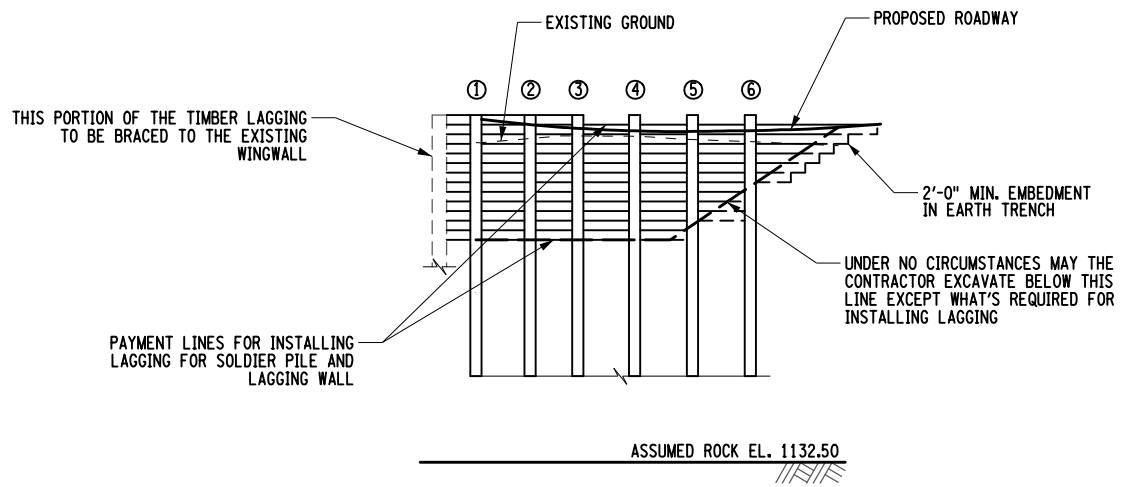
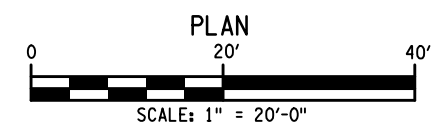
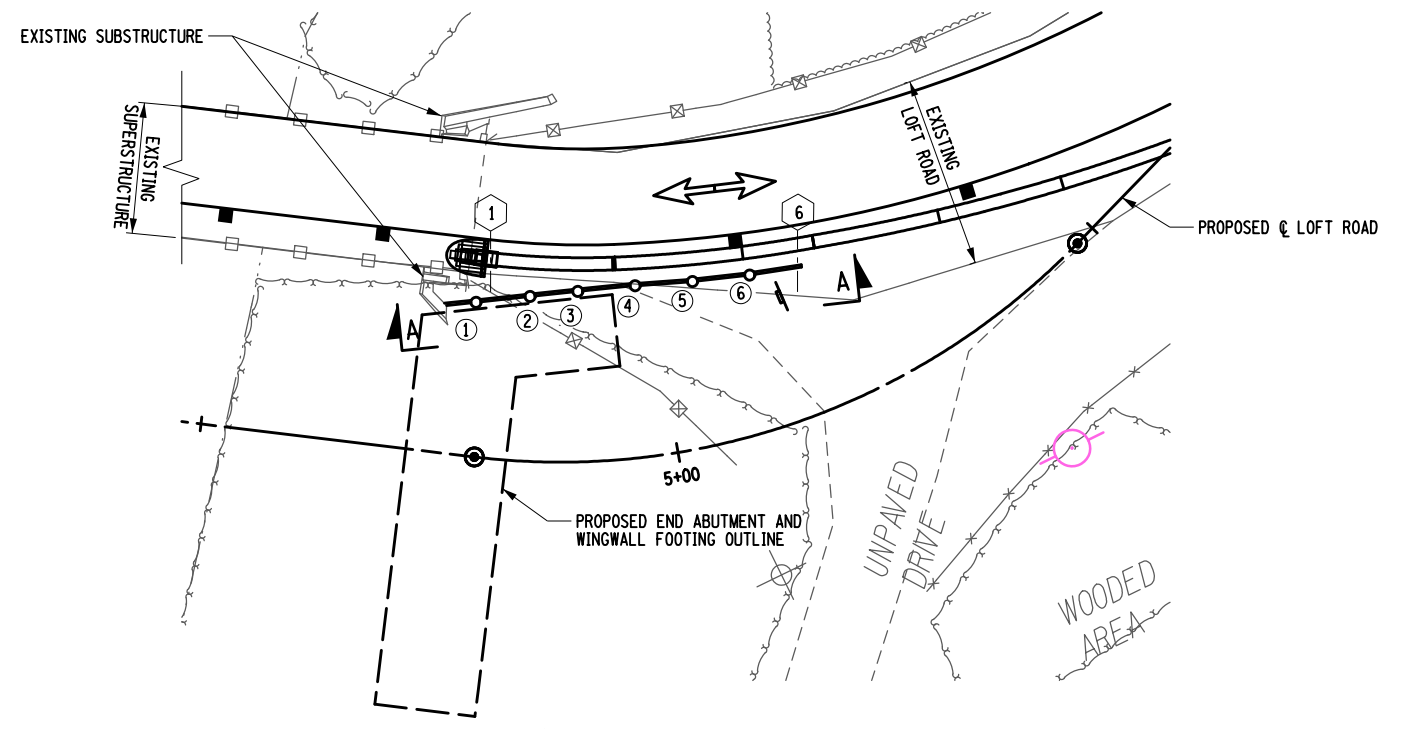
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					
	BRIDGE REPLACEMENT				PILE AND LAGGING WALL PLAN (1 OF 2)	DRAWING NO. ST-9 SHEET NO. 36 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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TEMPORARY MICROPILE LAGGING WALL TABLE - END LEFT				
PILE NO.	STATION	OFFSET (FT.)	PILE TOP ELEVATION (FT.)	DEPTH OF EXCAVATION (FT.)
1	4+76.93	-16.03	1197.5	1185.50
2	4+83.58	-17.18	1197	1185.50
3	4+90.05	-17.77	1197	1185.50
4	4+97.92	-17.86	1196.5	1185.50
5	5+05.70	-17.17	1196.5	1189.18
6	5+13.29	-16.11	1197	1193.2



VIEW A-A

NOTES:  
1. SEE DWG. NO. ST-9 FOR SECTION A-A, MICROPILE LAGGING ATTACHMENT DETAIL, AND ADDITIONAL NOTES.

AFFIX SEAL:  
ON:

ALTERED BY:  
ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					
	BRIDGE REPLACEMENT					
	TOWN OF MARYLAND					
COUNTY: OTSEGO	REGION: 9	PILE AND LAGGING WALL PLAN (2 OF 2)		DRAWING NO. ST-10	SHEET NO. 37 OF 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.



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DESIGN SUPERVISOR L. SANDA  
JOB MANAGER L. SANDA  
DESIGN R. GENUNG  
CHECK L. SANDA  
DRAFTING M. VALLETTA/XXX  
CHECK S. FAULKNER/R. GENUNG  
PROJECT MANAGER L. SANDA



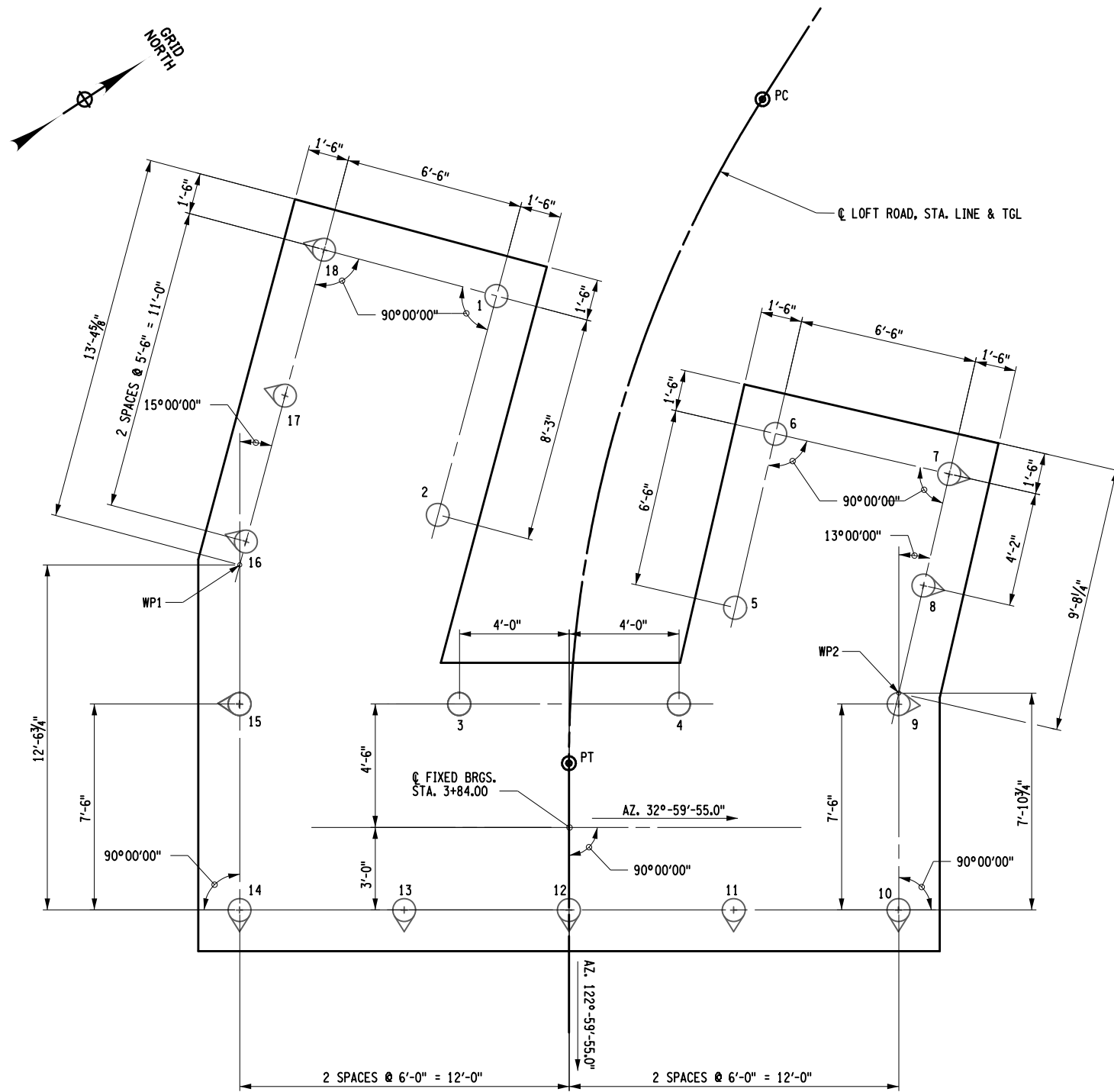
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DESIGN SUPERVISOR L. SANDA JOB MANAGER L. SANDA DESIGN R. GENUNG DRAFTING M. VALLETTA/XXX CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

**PILE LEGEND**

- INDICATES VERTICAL MICROPILE, ITEM 551.30
  - ⊕ INDICATES BATTERED MICROPILE, BATTERED IN DIRECTION OF ARROW, BATTER = 1H:4V, ITEM 551.30
- PILE CUT-OFF ELEVATION IS 1183.50 FT.

PILE TABLE			
PILE NO.	LENGTH BELOW CUT-OFF	PILE NO.	LENGTH BELOW CUT-OFF
1		10	
2		11	
3		12	
4		13	
5		14	
6		15	
7		16	
8		17	
9		18	



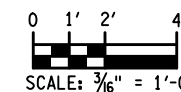
BEGIN ABUTMENT FOOTING PILE LAYOUT

**MICROPILE NOTES FOR SUBSTRUCTURES:**

1. THE MICROPILES AT THE BEGIN ABUTMENT WILL SUPPORT A MAXIMUM STRENGTH LIMIT STATE AXIAL LOAD OF 230 KIPS PER PILE. INSTALL THESE PILES TO ACHIEVE NOMINAL RESISTANCE OF 419 KIPS PER PILE.
2. THE DESIGNER'S GEOTECHNICAL REPRESENTATIVE WILL BE REQUIRED TO INSPECT THE MICROPILE PILE ROCK SOCKETS DURING DRILLING TO DETERMINE THE TOP OF COMPETENT ROCK.
3. THE MAXIMUM SERVICE LIMIT STATE AXIAL LOAD FOR THE PILES AT THE BEGIN ABUTMENT IS 209 KIPS PER PILE.
4. INSTALL THE PILES AT THE ABUTMENTS TO THE TOP OF COMPETENT ROCK, AND INCLUDE 1'-0" MINIMUM PLUNGE LENGTH INTO ROCK AND A MINIMUM OF 8'-0" ROCK SOCKET DEPTH BELOW THE CASING EMBEDMENT.
5. PERFORM ONE STATIC PILE LOAD TEST, ITEM 551.35 ON A NON-PRODUCTION PILE INSTALLED IN THE VICINITY OF THE END ABUTMENT. PROVIDE A BOND BREAKER TO THE TOP OF COMPETENT ROCK. PERFORM THIS TEST PRIOR TO THE INSTALLATION OF ANY PRODUCTION PILES. INCLUDE THE COST OF THE TEST PILES IN THE STATIC PILE LOAD TEST ITEM.
6. PERFORM THE LOAD TEST IN CONFORMANCE WITH THE QUICK LOAD TEST AS DEFINED IN GCP-18.
7. THE SECOND LOADING CYCLE REQUIRED FOR THE QUICK LOAD TEST IN GCP-18 SHALL BE CONTINUED TO EITHER: GEOTECHNICAL FAILURE, 80% OF THE NOMINAL STRUCTURAL RESISTANCE OF THE MICROPILE'S CROSS-SECTION, OR THE CAPACITY OF THE TEST EQUIPMENT (MINIMUM OF FOUR TIMES THE DESIGN LOAD, WHICHEVER OCCURS FIRST).
8. DESIGN THE MICROPILES AT THE ABUTMENTS TO DEVELOP THEIR CAPACITY FROM THE 8'-0" MINIMUM ROCK SOCKET.
9. THE PRELIMINARY DESIGN THE MICROPILES CONSIDERED A STRENGTH LIMIT STATE LATERAL RESISTANCE OF 40 KIPS PER PILE AND A SERVICE LIMIT STATE LATERAL RESISTANCE OF 24 KIPS PER PILE AT A DEFLECTION OF 0.50 INCH. FINAL LATERAL RESISTANCES SHOULD BE DETERMINED BY THE CONTRACTOR.
10. DESIGN THE MICROPILES SO THAT THE GROSS VERTICAL TOP MOVEMENT OF THE PILE DURING LOAD TESTING DOES NOT EXCEED 0.5 INCHES AT THE SERVICE LIMIT STATE AXIAL LOAD.
11. EVALUATE THE MICROPILES FOR THE SCOUR LOAD CASE AT THE EXTREME LIMIT STATE FOR A MAXIMUM DEFLECTION OF 1.0 INCH. THE SCOUR LOAD CASE IS ASSOCIATED WITH NO LATERAL SOIL SUPPORT AT EL. 1176.90. FOR HYDRAULIC TABLE, SEE DWG. NO. ST-2.
12. AFTER COMPLETION OF THE MICROPILE INSTALLATION, THE ENGINEER WILL COMPLETE THE "ACTUAL MICROPILE LENGTH" TABLE FOR INCLUSION IN THE AS-BUILT PLANS.
13. PLACE THE HEAVY STONE FILLING PRIOR TO BACKFILLING BEHIND THE ABUTMENTS AND WINGWALLS TO MINIMIZE STEM AND WALL MOVEMENT.

**BORING INFORMATION**

SUBSTRUCTURE	DRILL HOLE	BED ROCK ELEVATION
BEGIN	B1	1162.00
END	B2	1131.50



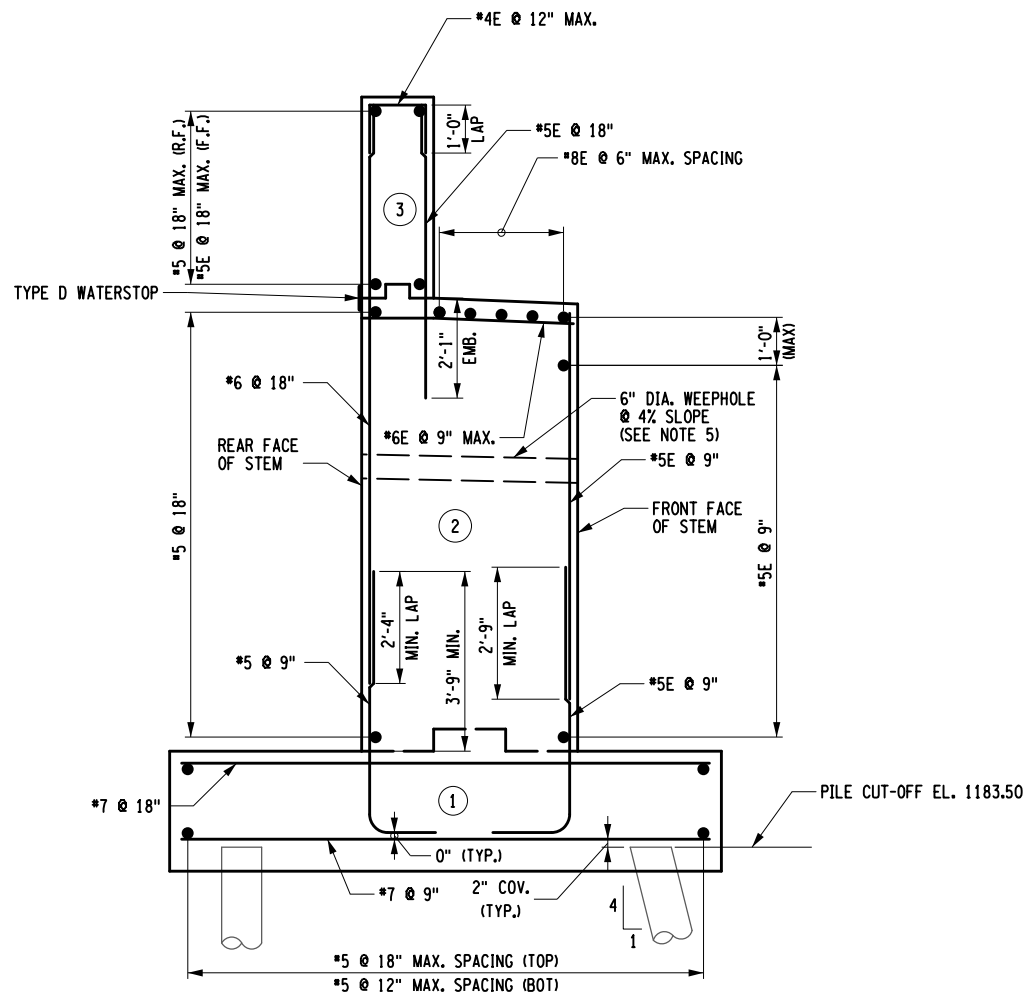
AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					
	BRIDGE REPLACEMENT				<b>BEGIN ABUTMENT PILE LAYOUT</b>	DRAWING NO. ST-12 SHEET NO. 39 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				
<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>						

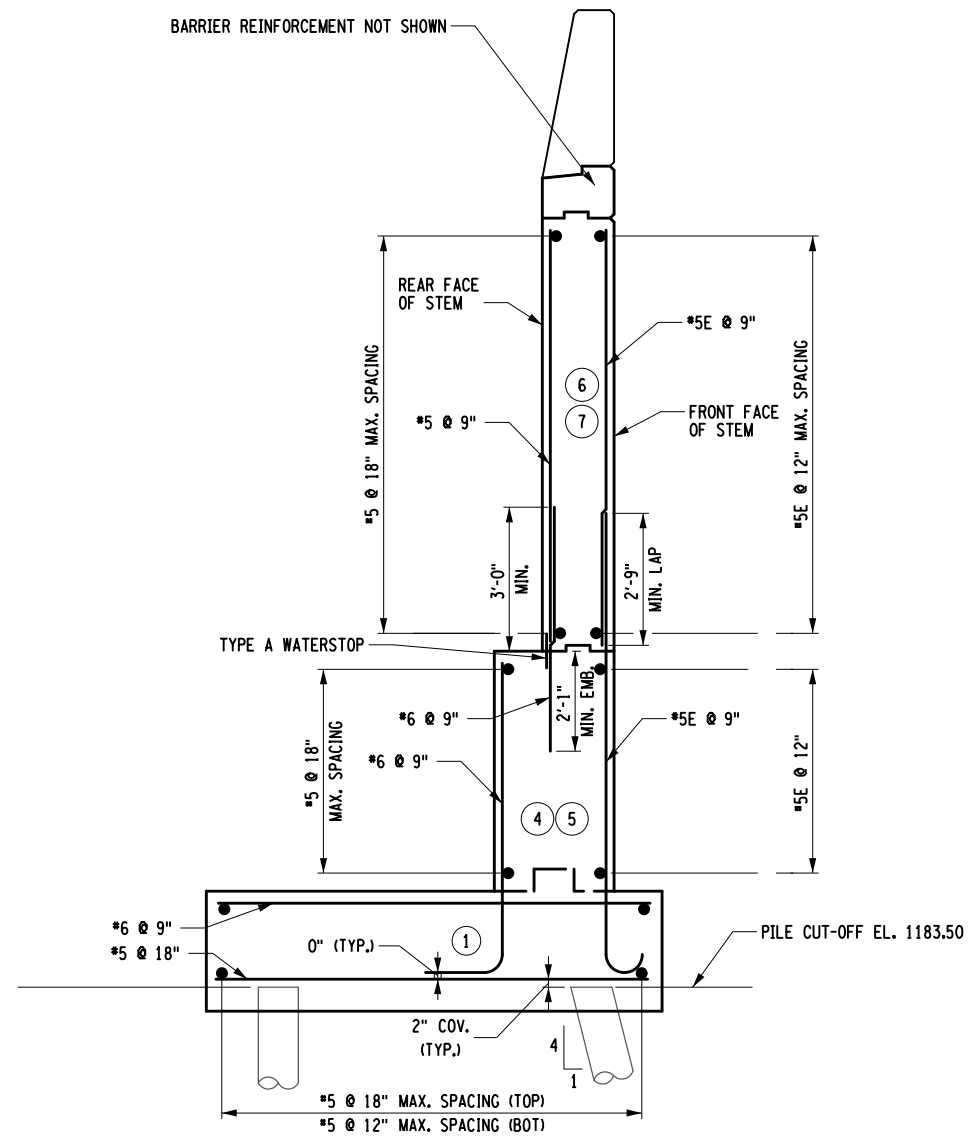


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 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



BEGIN ABUTMENT TYPICAL SECTION  
(SECTION A-A)



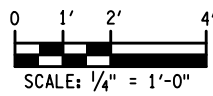
BEGIN WINGWALL TYPICAL SECTION  
(SECTION B-B)

REQUIRED LAP LENGTHS & EMBEDMENTS		
BAR SIZE	LAP LENGTH	EMBEDMENT
#5	2'-4"	1'-9"
#6	2'-9"	
#7	3'-3"	
#5E	2'-9"	2'-1"
#6E	4'-2"	

**NOTES:**

1. (NO.) - INDICATES PLACEMENT NUMBER.
2. F.F. DENOTES FRONT FACE  
R.F. DENOTES REAR FACE
3. SEE DWG. NO. ST-11 FOR LOCATION OF SECTIONS A-A AND B-B.
4. REINFORCEMENT COVER IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
5. SEE DWG. NO. ST-11 FOR WEEPHOLE LOCATIONS AND INVERT ELEVATIONS.
6. UNCOATED REINFORCEMENT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 555.97010016.
7. (E) DENOTES EPOXY COATED REINFORCEMENT AND SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 555.97010016.

AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_



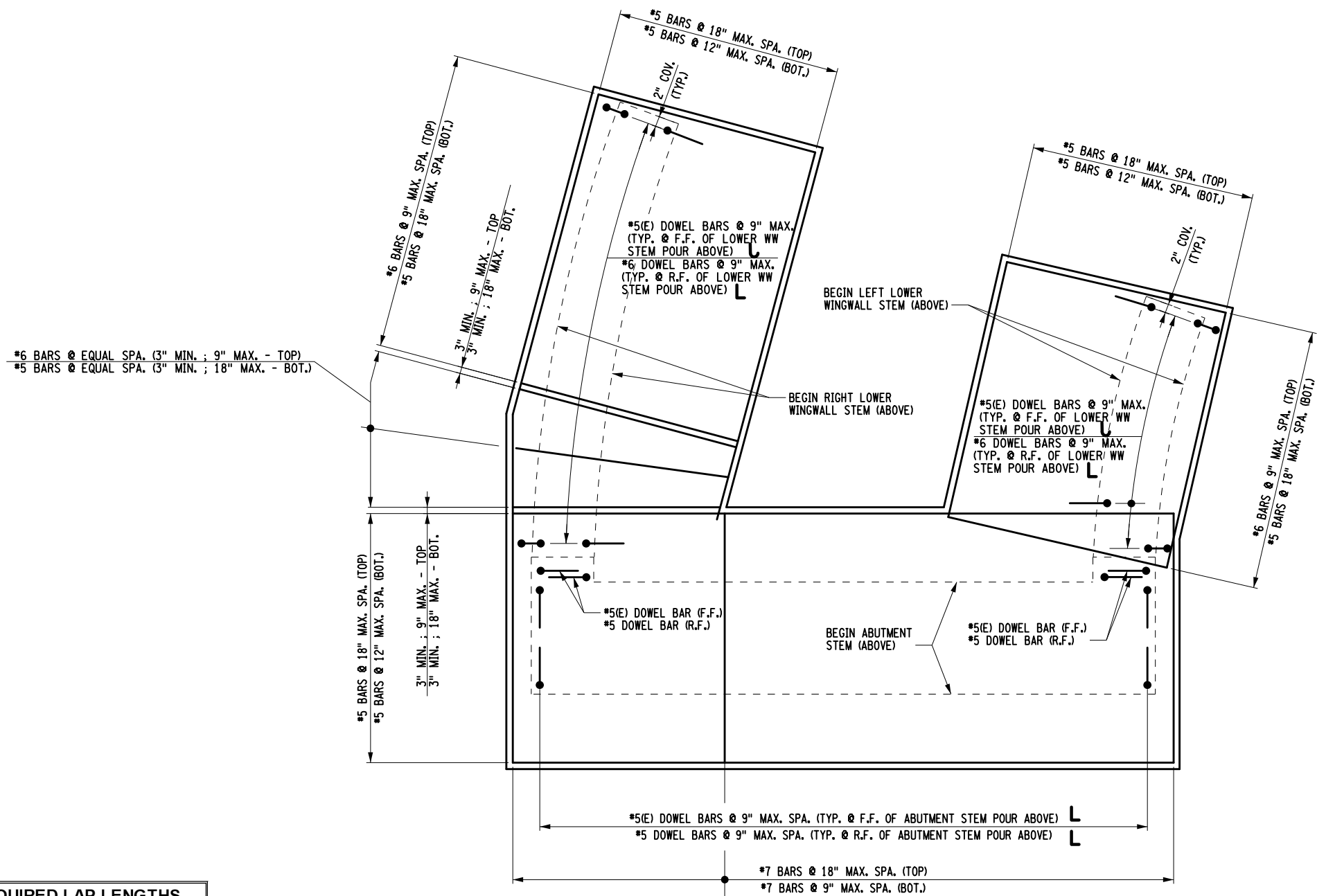
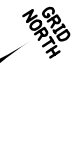
AS-BUILT REVISIONS	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
DESCRIPTION OF ALTERATIONS:	OVER SCHENEVUS CREEK				BEGIN ABUTMENT REINFORCEMENT SECTIONS (1 OF 3)	DRAWING NO. ST-13
	BRIDGE REPLACEMENT					SHEET NO. 40 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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.



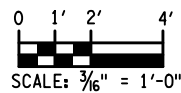
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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA JOB MANAGER L. SANDA DESIGN R. GENUNG CHECK L. SANDA DRAFTING M. VALLETTA/XXX CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



REQUIRED LAP LENGTHS & EMBEDMENTS		
BAR SIZE	LAP LENGTH	EMBEDMENT
#5	2'-4"	1'-9"
#6	2'-9"	
#7	3'-3"	
#5E	2'-9"	2'-1"
#6E	4'-2"	

SECTION E-E  
(FOOTING REINFORCEMENT PLAN)



NOTES:

1. (NO.) - INDICATES PLACEMENT NUMBER
2. F.F. DENOTES FRONT FACE  
R.F. DENOTES REAR FACE
3. SEE DWG. NO. ST-11 FOR LOCATION OF SECTION E-E.
4. REINFORCEMENT COVER IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED.  
ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
5. UNCOATED REINFORCEMENT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 555.97010016.
6. (E) DENOTES EPOXY COATED REINFORCEMENT AND SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 555.97010016.

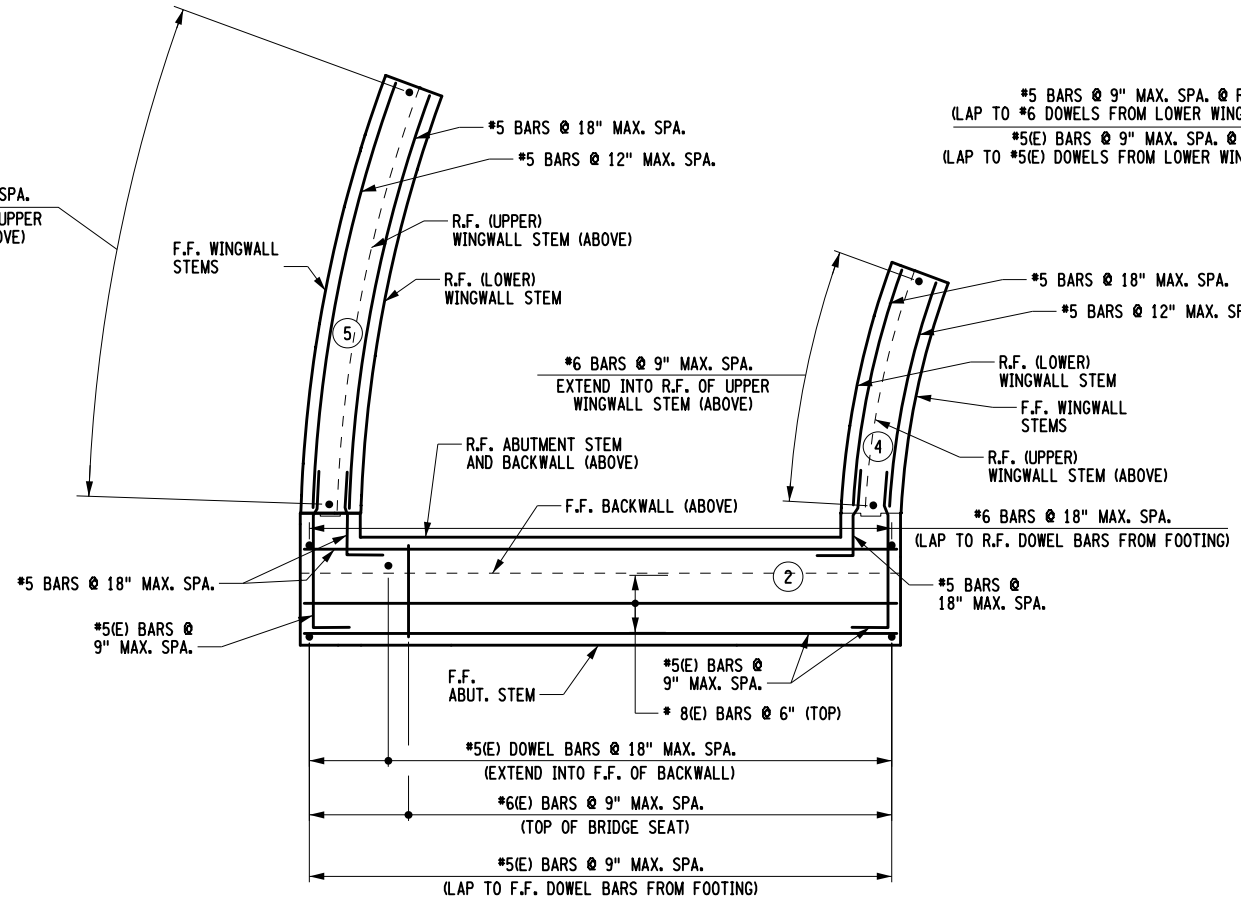
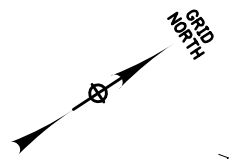
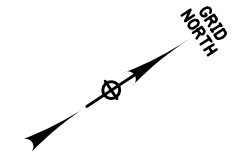
AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					DRAWING NO. ST-14
	BRIDGE REPLACEMENT					SHEET NO. 41 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9			BEGIN ABUTMENT REINFORCEMENT SECTIONS (2 OF 3)	
<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>						

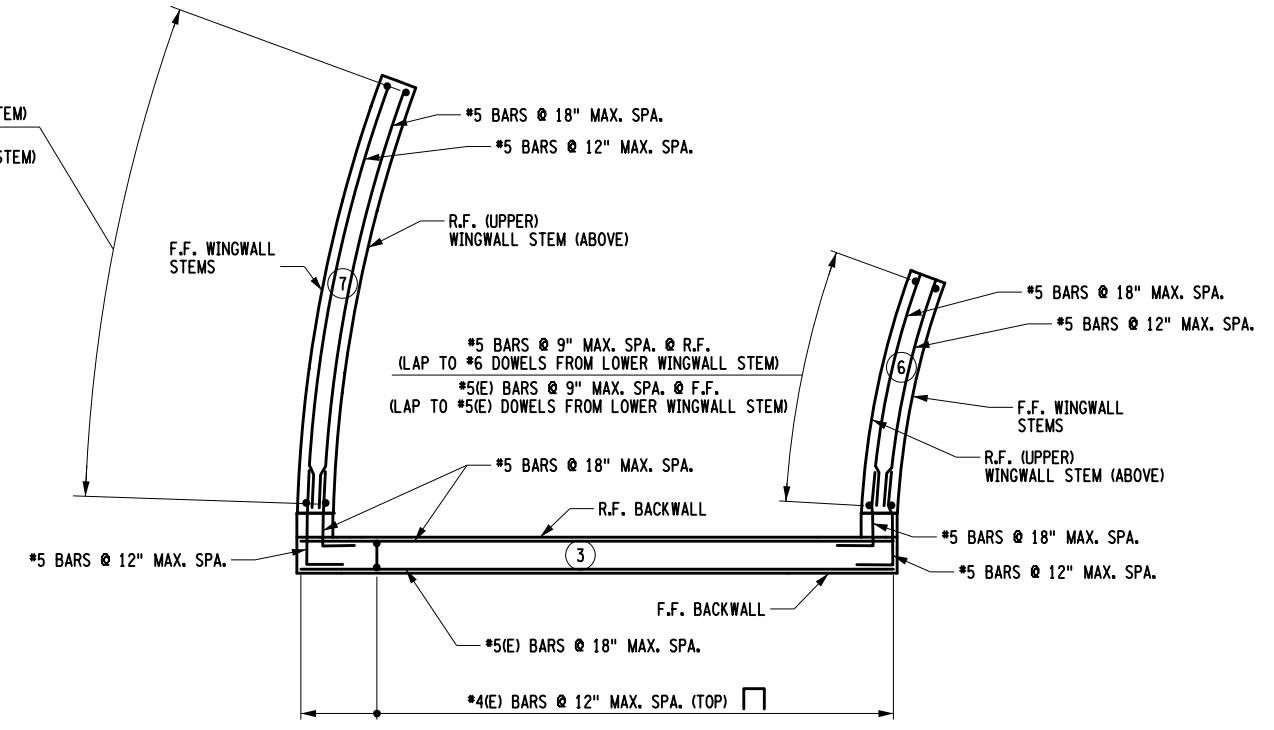


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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 DRAFTING M. VALLETTA/XXX  
 CHECK L. SANDA  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



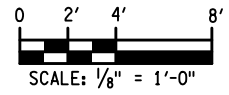
SECTION F-F  
 (ABUTMENT AND LOWER WINGWALL STEM POURS)



SECTION G-G  
 (BACKWALL AND UPPER WINGWALL STEM POURS)

REQUIRED LAP LENGTHS & EMBEDMENTS		
BAR SIZE	LAP LENGTH	EMBEDMENT
#5	2'-4"	1'-9"
#6	2'-9"	
#7	3'-3"	
#5E	2'-9"	2'-1"
#6E	4'-2"	

- NOTES:
- (NO.) - INDICATES PLACEMENT NUMBER
  - F.F. DENOTES FRONT FACE  
R.F. DENOTES REAR FACE
  - SEE DWG. ST-11 FOR LOCATION OF SECTIONS F-F AND G-G.
  - REINFORCEMENT COVER SHALL BE 2" UNLESS NOTED OTHERWISE.
  - UNCOATED REINFORCEMENT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 555.97010016.
  - (E) DENOTES EPOXY COATED REINFORCEMENT AND SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 555.97010016.



AFFIX SEAL:  
ON:

ALTERED BY:  
ON:

AS-BUILT REVISIONS	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
DESCRIPTION OF ALTERATIONS:	OVER SCHENEVUS CREEK				BEGIN ABUTMENT REINFORCEMENT SECTIONS (3 OF 3)	DRAWING NO. ST-15
	BRIDGE REPLACEMENT					SHEET NO. 42 OF 68
	TOWN OF MARYLAND					

COUNTY: OTSEGO	REGION: 9
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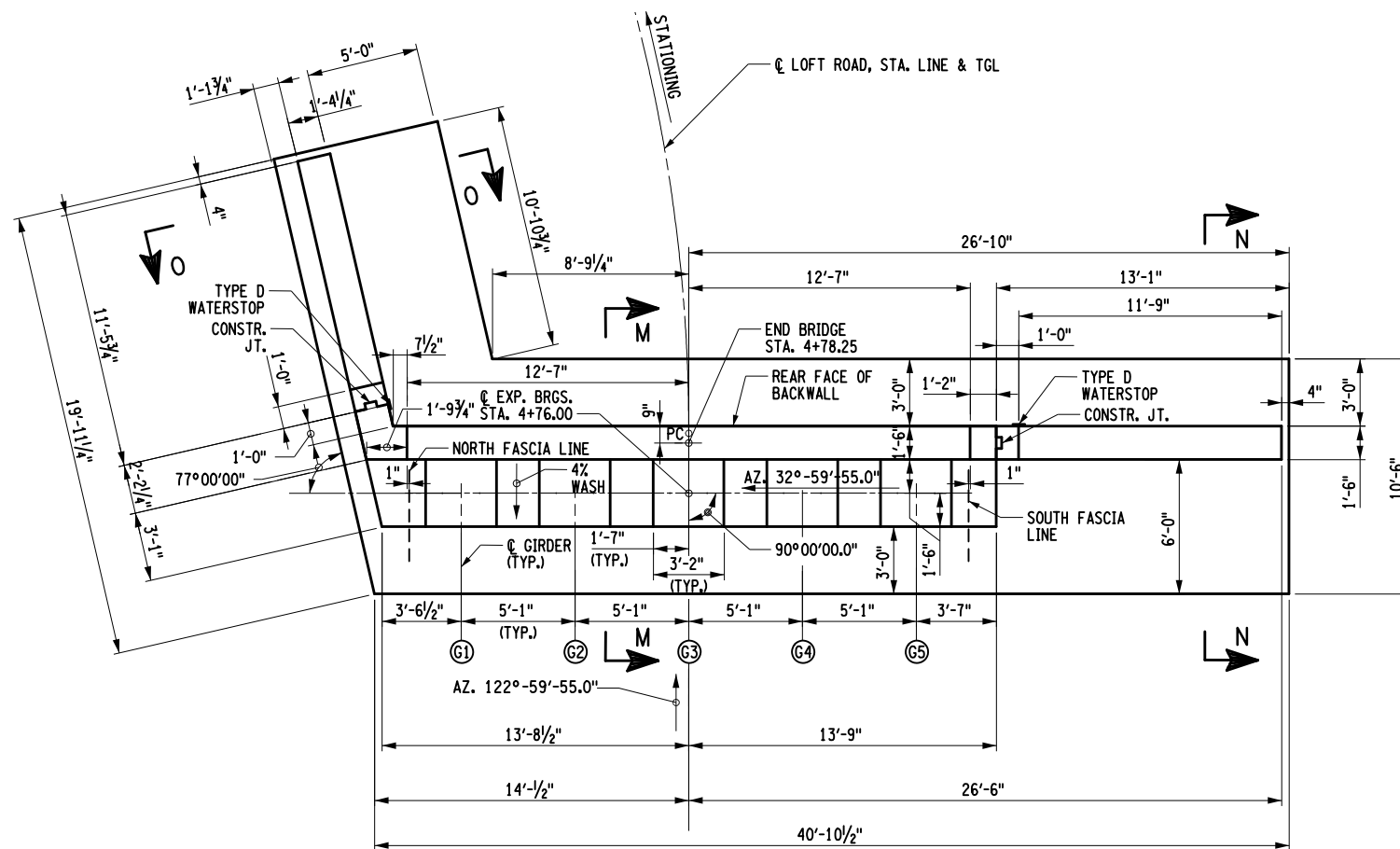
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



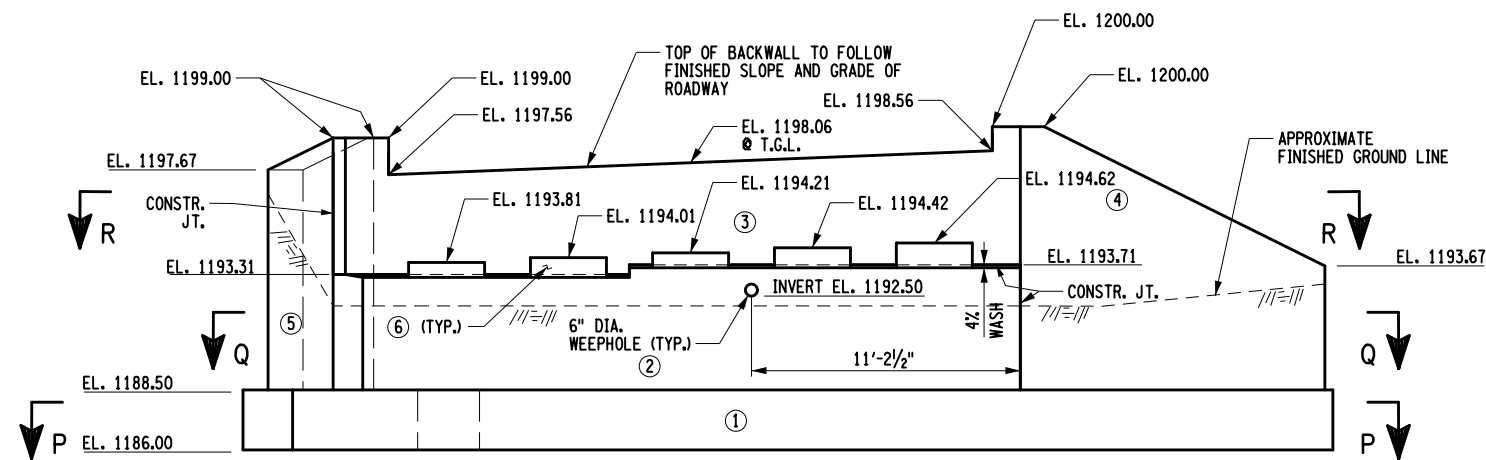
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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 DRAFTING M. VALLETTA/XXX  
 CHECK L. SANDA  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NUMBER
1	47.9	555.97020016
2	23.8	555.97010016
3	7.7	555.97010016
4	6.2	555.97010016
5	6.4	555.97010016
6	1.1	555.97010016



PLAN




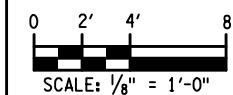
ELEVATION

NOTE: PILES NOT SHOWN FOR CLARITY

NOTES

1. (G\*) - INDICATES GIRDER NUMBER
2. (NO) - INDICATES CONCRETE PLACEMENT NUMBER
3. FOR SECTIONS M-M, N-N & O-O SEE DWG ST-18.
4. FOR SECTION P-P SEE DWG ST-19.
5. FOR SECTIONS Q-Q & R-R SEE DWG ST-20.
6. SEE DWG ST-21 FOR MISCELLANEOUS ABUTMENT DETAILS.
7. ALL EXPOSED CONCRETE SHALL BE SEALED USING PROTECTIVE SEALING OF STRUCTURAL CONCRETE, ITEM 559.02

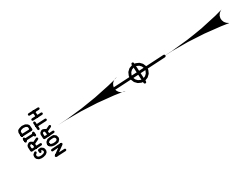
AFFIX SEAL: ON:	ALTERED BY: ON:
	



AS-BUILT REVISIONS	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
DESCRIPTION OF ALTERATIONS:	OVER SCHENEVUS CREEK				<b>END ABUTMENT PLAN AND ELEVATION</b>	DRAWING NO. ST-16
	BRIDGE REPLACEMENT					SHEET NO. 43 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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.

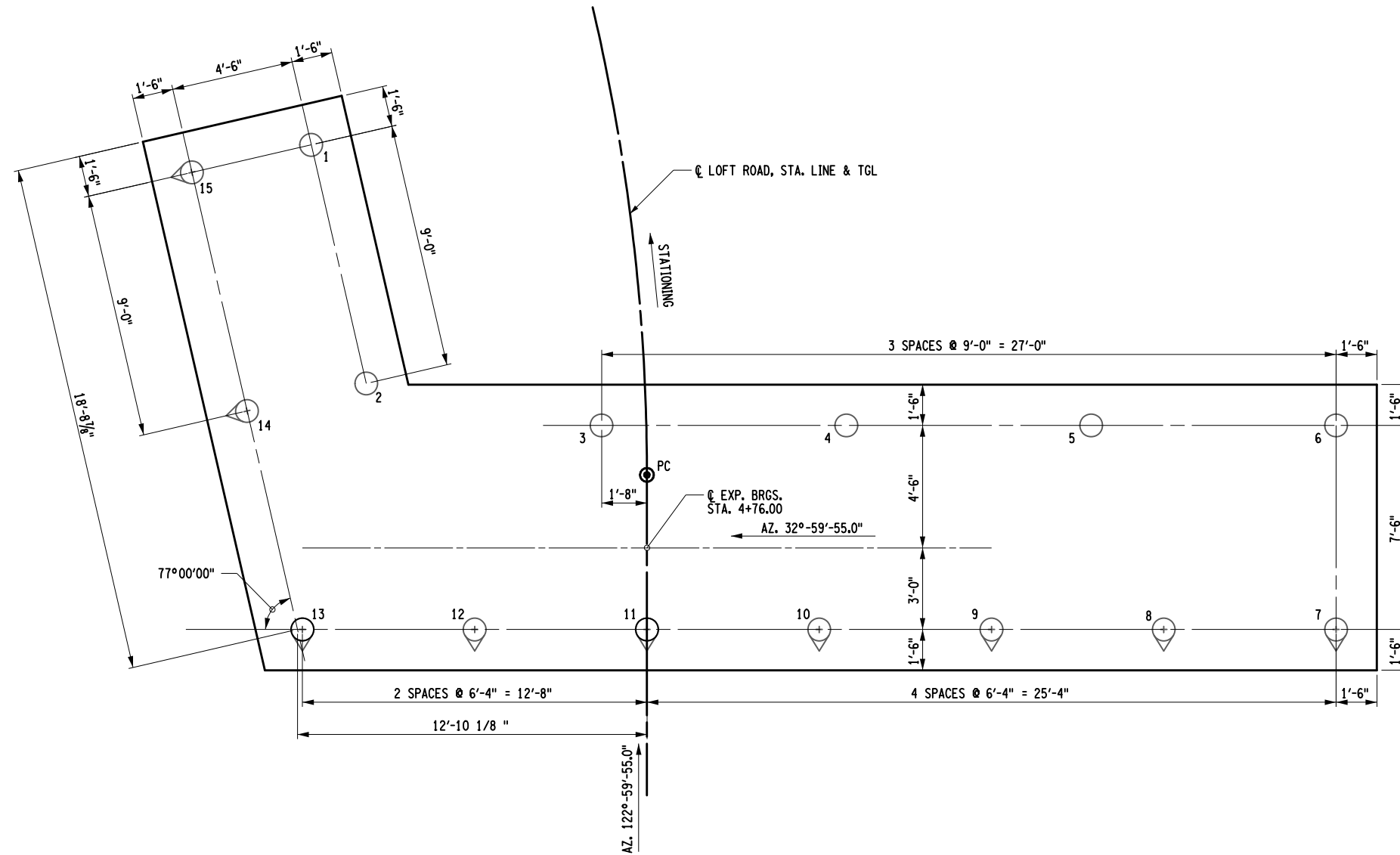




**PILE LEGEND**

- INDICATES VERTICAL MICROPILE, ITEM 551.30
  - ⊕ INDICATES BATTERED MICROPILE, BATTERED IN DIRECTION OF ARROW, BATTER = 1H:4V, ITEM 551.30
- PILE CUT-OFF ELEVATION IS 1187.00 FT.

PILE TABLE			
PILE NO.	LENGTH BELOW CUT-OFF	PILE NO.	LENGTH BELOW CUT-OFF
1		9	
2		10	
3		11	
4		12	
5		13	
6		14	
7		15	
8			



**END ABUTMENT FOOTING PILE LAYOUT**

**NOTE:**  
FOR MICORPILE NOTES, SEE DWG. NO. ST-12

AFFIX SEAL: ON: \_\_\_\_\_  
ALTERED BY: ON: \_\_\_\_\_



BORING INFORMATION		
SUBSTRUCTURE	DRILL HOLE	BED ROCK ELEVATION
BEGIN	B1	1162.00
END	B2	1131.50

AS-BUILT REVISIONS  
DESCRIPTION OF ALTERATIONS:

LOFT ROAD	PIN 9755.19
OVER SCHENEVUS CREEK	
BRIDGE REPLACEMENT	
TOWN OF MARYLAND	
COUNTY: OTSEGO	REGION: 9

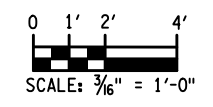
BRIDGES	2227620
CULVERTS	

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

**END ABUTMENT PILE LAYOUT**

CONTRACT NUMBER  
**LD040434**

DRAWING NO. **ST-17**  
SHEET NO. **44 OF 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.

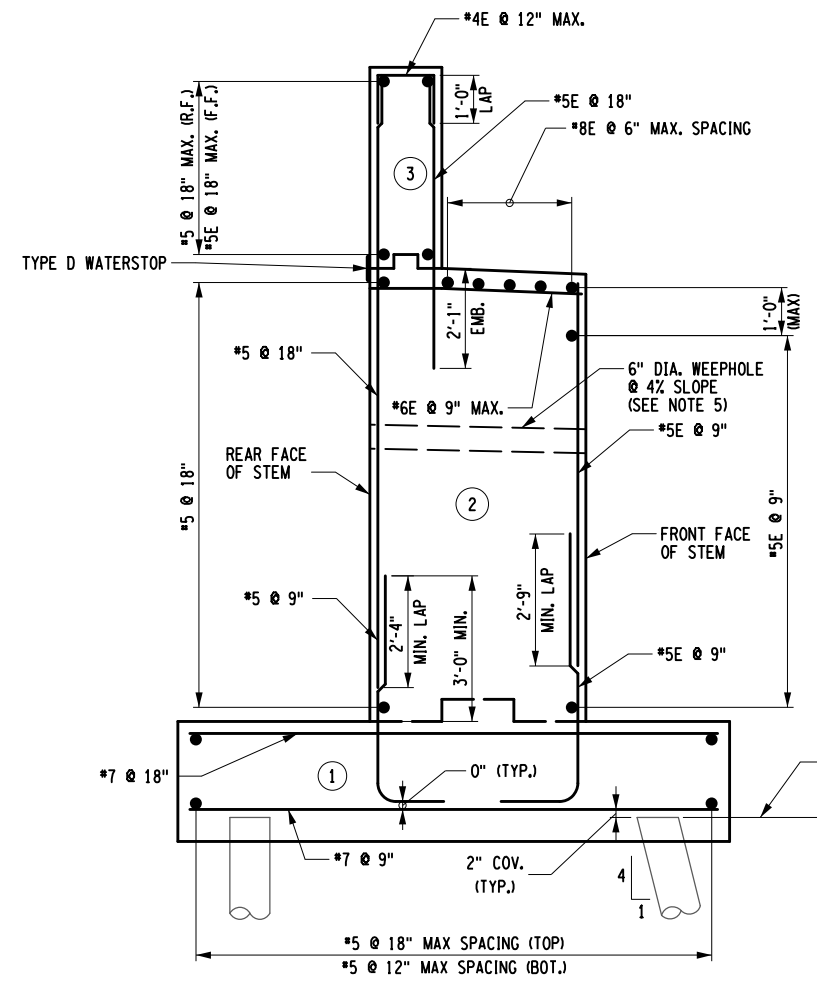


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USER = RGenung

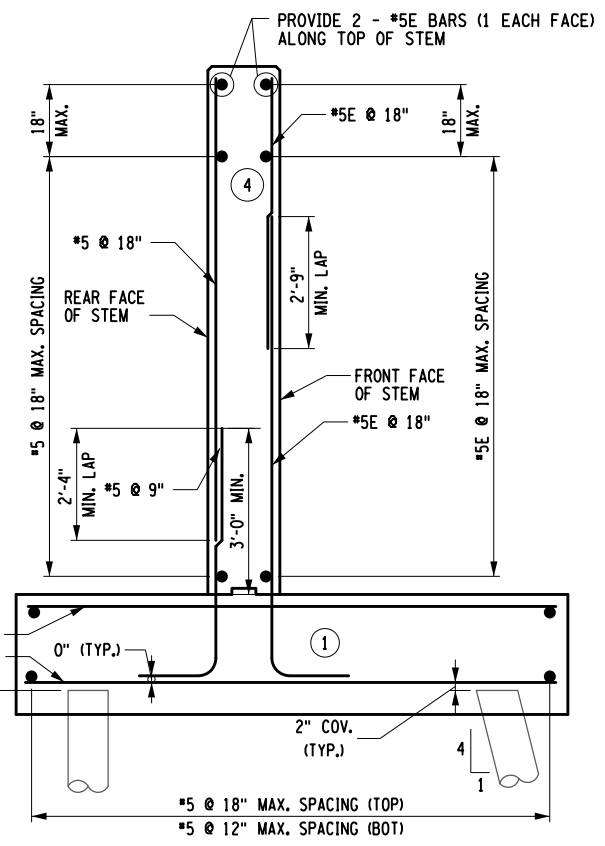
DESIGN SUPERVISOR L. SANDA  
JOB MANAGER L. SANDA  
DESIGN R. GENUNG  
DRAFTING M. VALLETTA/XXX  
CHECK L. SANDA  
CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

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 USER = RGenung

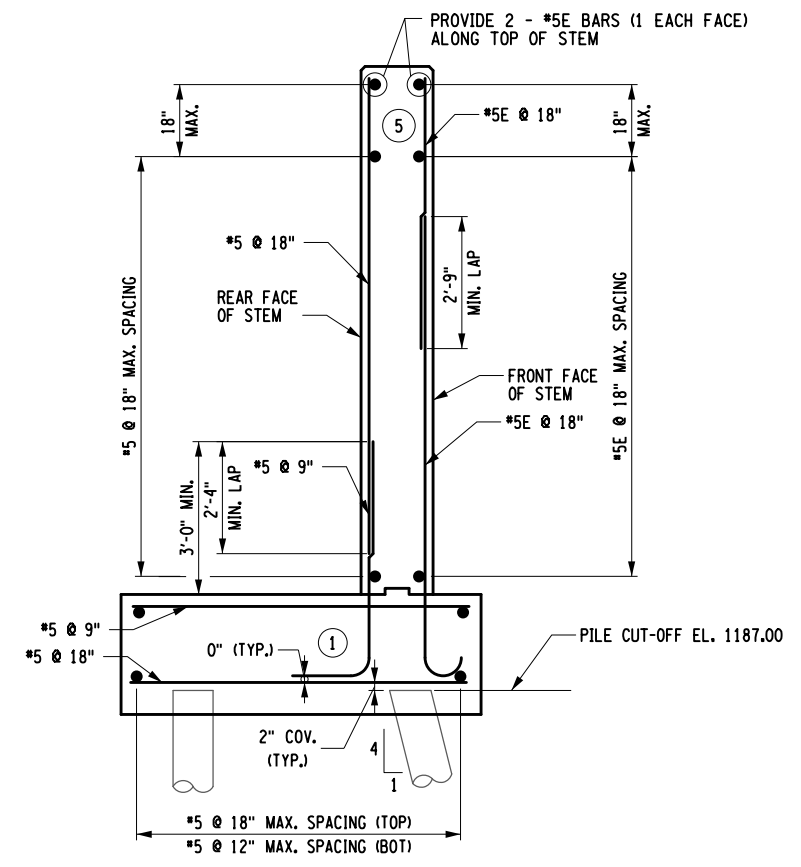
DRAFTING M. VALLETTA/XXX CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA  
 CHECK L. SANDA DESIGN R. GENUNG  
 JOB MANAGER L. SANDA DESIGN SUPERVISOR L. SANDA



END ABUTMENT TYPICAL SECTION (SECTION M-M)



END RIGHT WINGWALL TYPICAL SECTION (SECTION N-N)

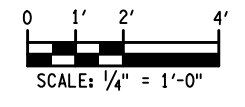


END LEFT WINGWALL TYPICAL SECTION (SECTION O-O)

REQUIRED LAP LENGTHS & EMBEDMENTS		
BAR SIZE	LAP LENGTH	EMBEDMENT
#5	2'-4"	1'-9"
#6	2'-9"	
#7	3'-3"	
#5E	2'-9"	2'-1"
#6E	4'-2"	

**NOTES:**

- (NO.) - INDICATES PLACEMENT NUMBER.
- F.F. DENOTES FRONT FACE  
R.F. DENOTES REAR FACE
- SEE DWG. NO. ST-16 FOR LOCATION OF SECTIONS M-M, N-N AND O-O.
- REINFORCEMENT COVER IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
- SEE DWG. NO. ST-16 FOR WEEPHOLE LOCATIONS AND INVERT ELEVATIONS.
- UNCOATED REINFORCEMENT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 555.97010016.
- (E) DENOTES EPOXY COATED REINFORCEMENT AND SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 555.97010016.



AFFIX SEAL: ON: \_\_\_\_\_ ALTERED BY: ON: \_\_\_\_\_

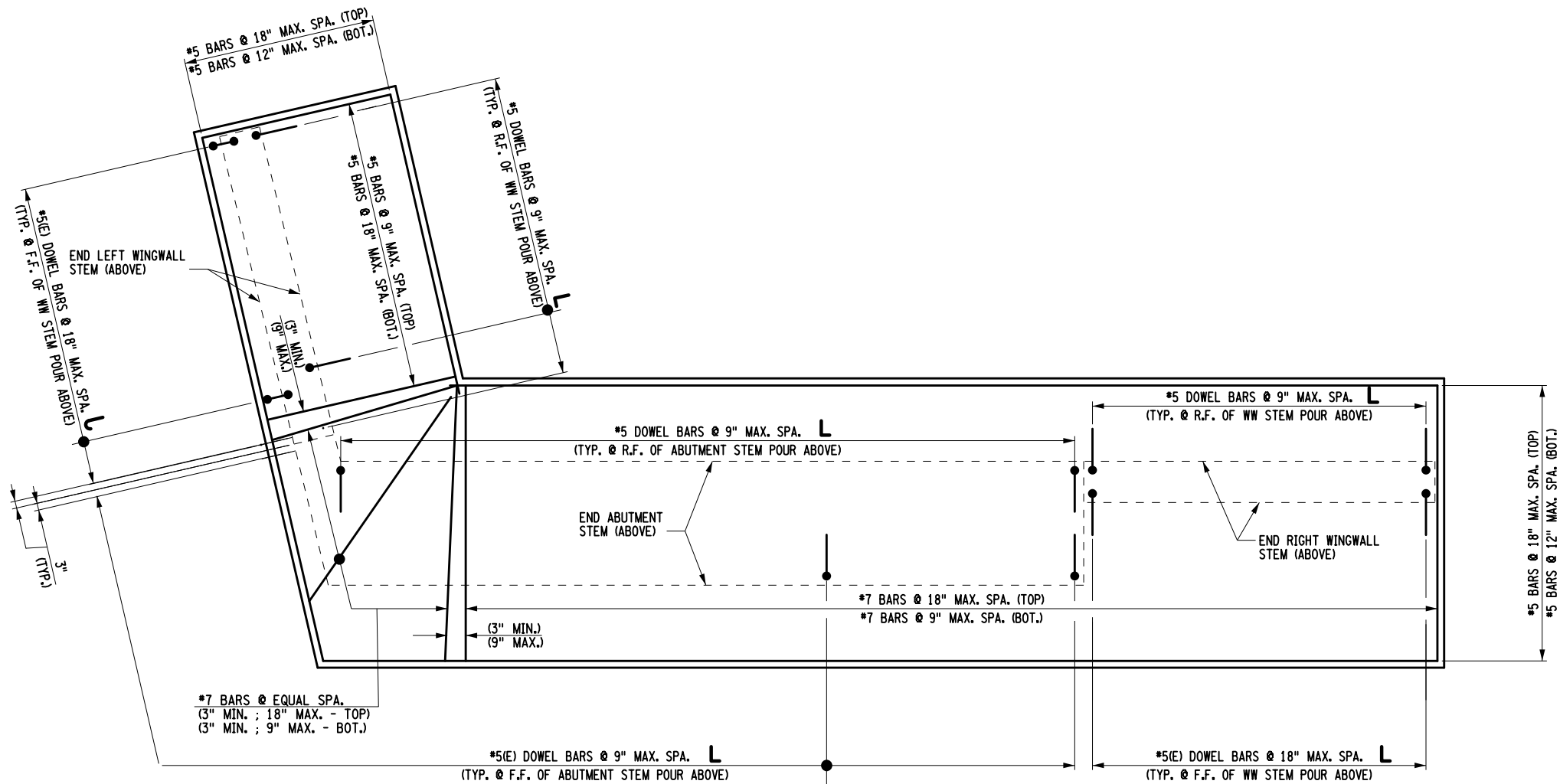
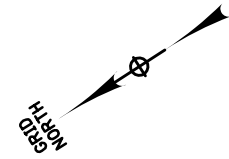
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				END ABUTMENT REINFORCEMENT SECTIONS (1 OF 3)	DRAWING NO. ST-18 SHEET NO. 45 OF 68
	BRIDGE REPLACEMENT					
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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 = M:\18825.00\Loft Road Bridge\Drawings\975519.opb.abt.rnf\_end.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



SECTION P-P  
(FOOTING REINFORCEMENT PLAN)

REQUIRED LAP LENGTHS & EMBEDMENTS		
BAR SIZE	LAP LENGTH	EMBEDMENT
#5	2'-4"	1'-9"
#6	2'-9"	
#7	3'-3"	
#5E	2'-9"	2'-1"
#6E	4'-2"	

NOTES:

- (NO.) - INDICATES PLACEMENT NUMBER
- F.F. DENOTES FRONT FACE  
R.F. DENOTES REAR FACE
- SEE DWG. NO. ST-16 FOR LOCATION OF SECTION P-P.
- REINFORCEMENT COVER IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
- UNCOATED REINFORCEMENT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 555.97010016.
- (E) DENOTES EPOXY COATED REINFORCEMENT AND SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 555.97010016.

AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_



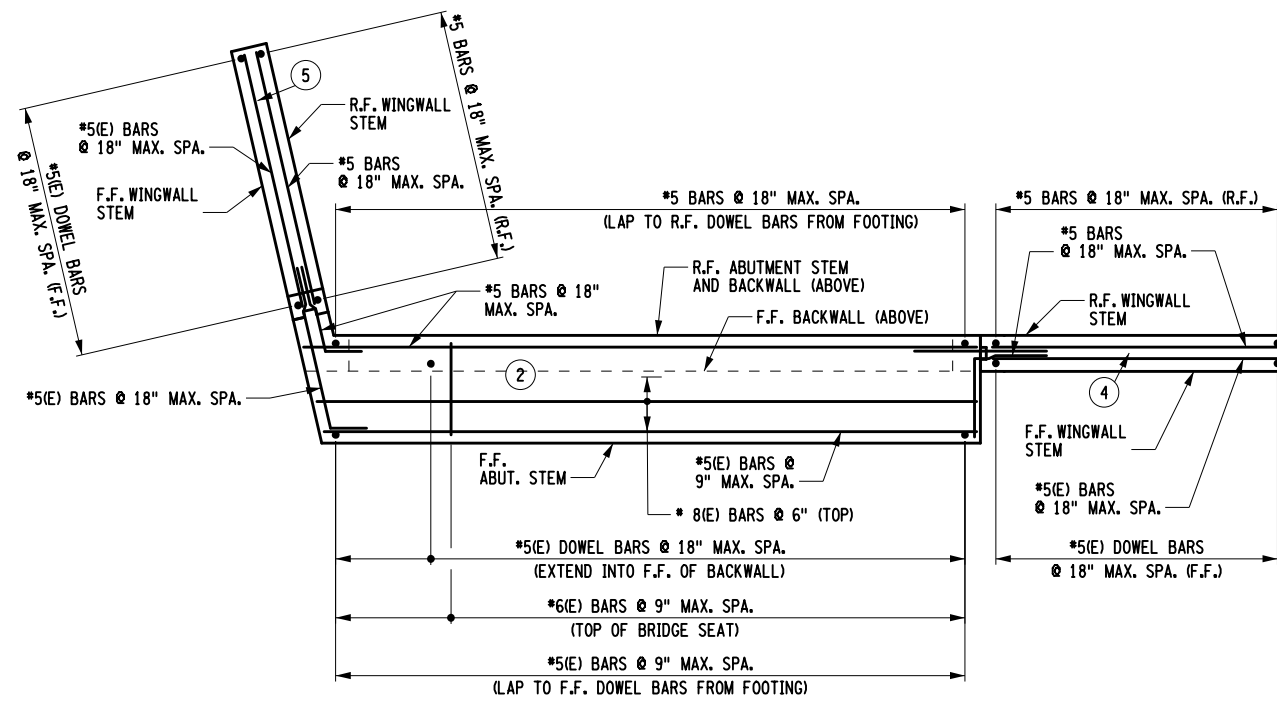
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					DRAWING NO. ST-19
	BRIDGE REPLACEMENT					SHEET NO. 46 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9			END ABUTMENT REINFORCEMENT SECTIONS (2 OF 3)	

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.

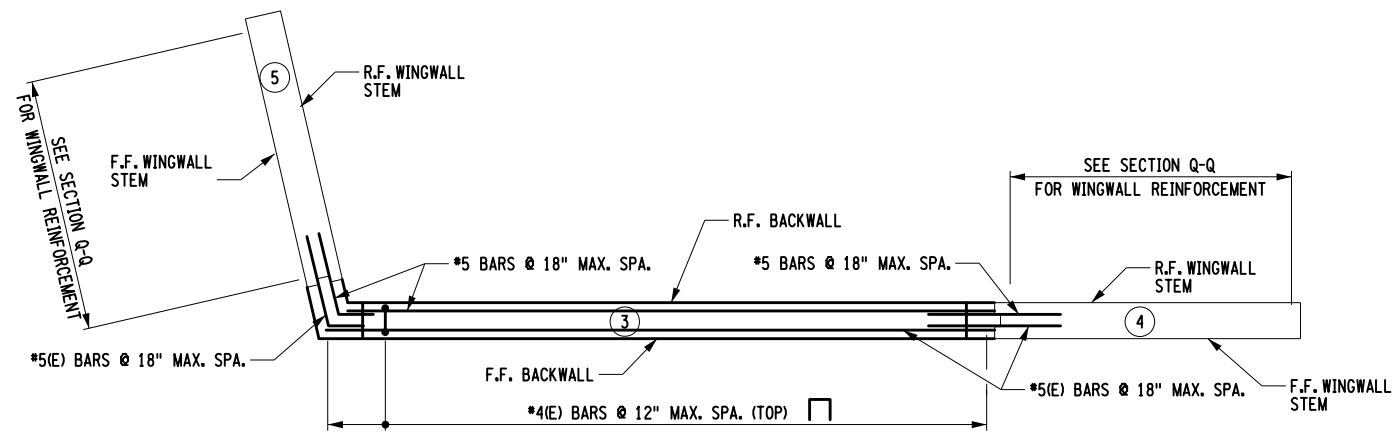


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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



SECTION Q-Q  
 (ABUTMENT AND WINGWALL STEM POURS)

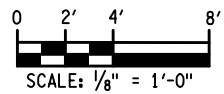


SECTION R-R  
 (ABUTMENT BACKWALL POUR)

REQUIRED LAP LENGTHS & EMBEDMENTS		
BAR SIZE	LAP LENGTH	EMBEDMENT
#5	2'-4"	1'-9"
#6	2'-9"	
#7	3'-3"	
#5E	2'-9"	2'-1"
#6E	4'-2"	

NOTES:

- (NO.) - INDICATES PLACEMENT NUMBER
- F.F. DENOTES FRONT FACE  
R.F. DENOTES REAR FACE
- SEE DWG. ST-16 FOR LOCATION OF SECTIONS Q-Q AND R-R.
- REINFORCEMENT COVER SHALL BE 2" UNLESS NOTED OTHERWISE.
- UNCOATED REINFORCEMENT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 555.97010016.
- (E) DENOTES EPOXY COATED REINFORCEMENT AND SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 555.97010016.



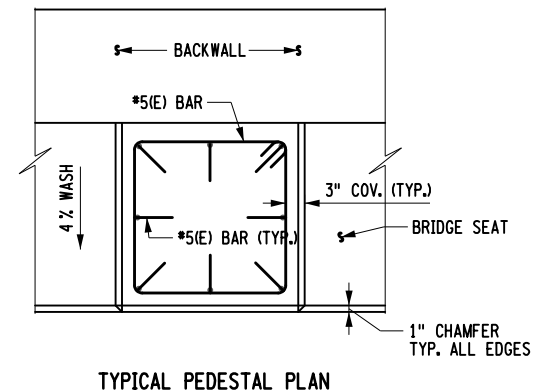
AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_

AS-BUILT REVISIONS	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
DESCRIPTION OF ALTERATIONS:	OVER SCHENEVUS CREEK				END ABUTMENT REINFORCEMENT SECTIONS (3 OF 3)	DRAWING NO. ST-20
	BRIDGE REPLACEMENT					SHEET NO. 47 OF 68
	TOWN OF MARYLAND	COUNTY: OTSEGO	REGION: 9			

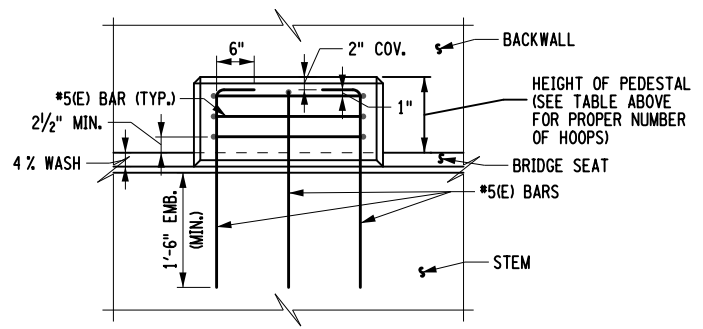
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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



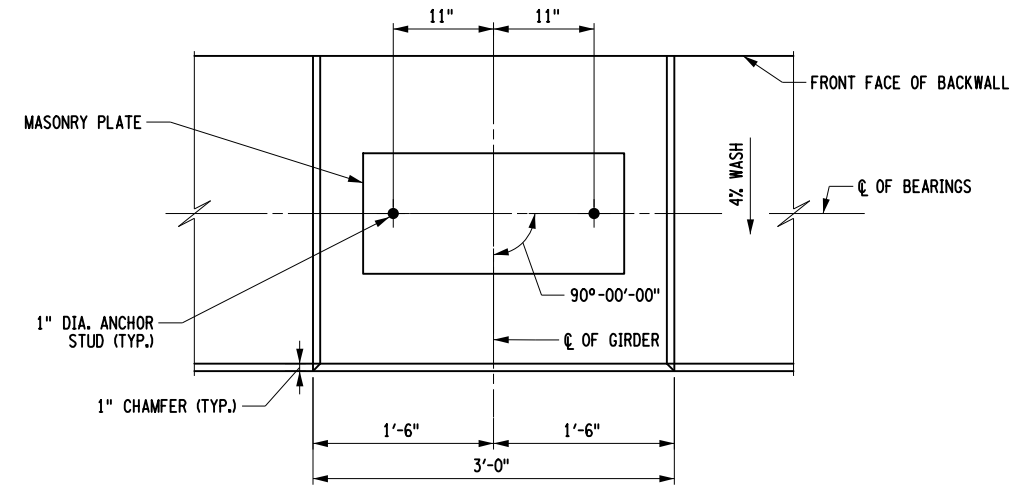
PEDESTAL HEIGHT	NUMBER OF HOOPS
6" TO 8"	1
8" TO 11"	2
11" TO 14"	3



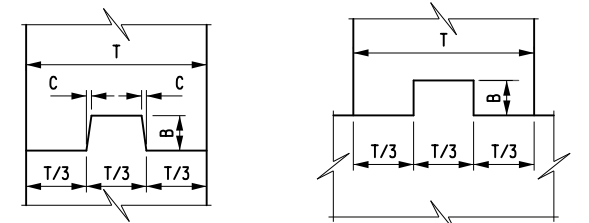
TYPICAL PEDESTAL PLAN



TYPICAL PEDESTAL ELEVATION  
PEDESTAL DETAILS



ANCHOR BOLT LAYOUT

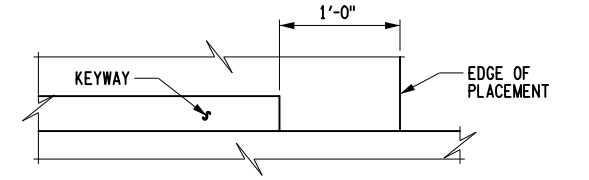


NOTE: WATERSTOP NOT SHOWN.

NOTE: WATERSTOP NOT SHOWN.

VERTICAL

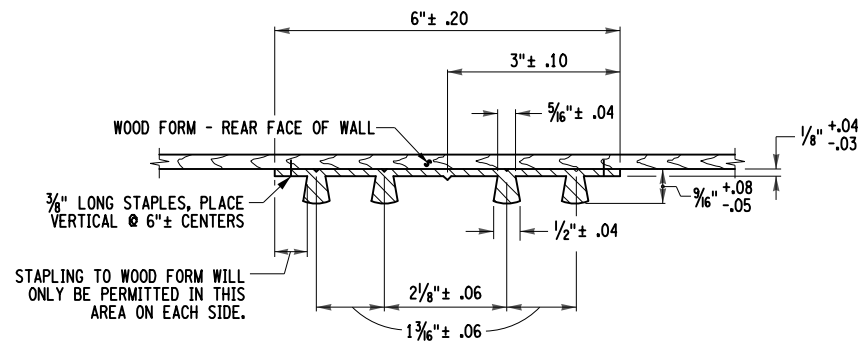
HORIZONTAL



CONSTRUCTION AND CONTRACTION JOINTS		
C	B	T/3
3/8"	1/2"	0 TO 6"
3/8"	3/2"	6" TO 10"
3/4"	5/2"	10" AND OVER

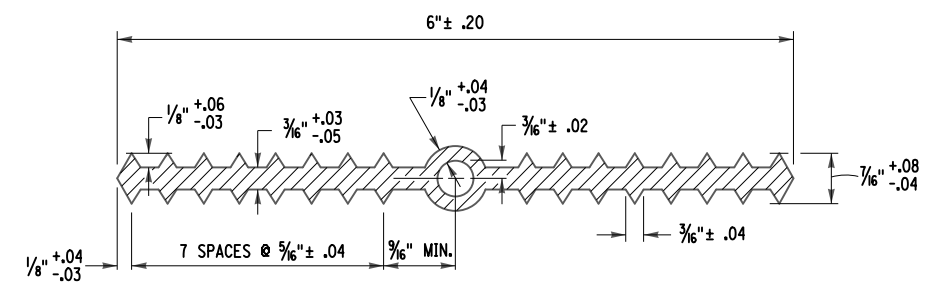
EXPANSION JOINTS		
C	B	T/3
3/8"	3/2"	0 TO 10"
3/4"	5/2"	10" AND OVER

KEYWAY DETAILS



TYPE D WATERSTOP  
NOT TO SCALE

TYPE D WATERSTOP NOTES:  
HOLES MUST NOT BE MADE IN WATERSTOP FOR ANY PURPOSE EXCEPT AS REQUIRED FOR STAPLING TO FORMS.  
TYPE D WATERSTOP SHALL BE LIGHT GRAY IN COLOR.



TYPE A WATERSTOP  
NOT TO SCALE

TYPE A WATERSTOP NOTES:  
HOLES MUST NOT BE MADE IN WATERSTOP FOR ANY PURPOSE.

GENERAL WATERSTOP NOTES:  
PVC USED IN WATERSTOPS SHALL CONFORM TO THE REQUIREMENTS OF N.Y.S. STANDARD SPECIFICATIONS SUBSECTION 705-11.  
THE COST OF FURNISHING AND PLACING WATERSTOPS SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE CONCRETE ITEMS.  
FIELD SPLICES SHOULD BE AVOIDED IF POSSIBLE, HOWEVER, HEAT WELDED BUTT SPLICES WILL BE PERMITTED ON LONG STRAIGHT RUNS (GENERALLY IN EXCESS OF 50 FEET) AT POINTS APPROVED BY THE ENGINEER.

WATERSTOP SHALL BE SHIPPED IN STRAIGHT SECTIONS HAVING A MINIMUM LENGTH OF 10 FEET UNLESS SHORTER LENGTHS ARE REQUIRED.

AFFIX SEAL: ON: \_\_\_\_\_  
ALTERED BY: ON: \_\_\_\_\_



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				MISCELLANEOUS ABUTMENT DETAILS	DRAWING NO. ST-21 SHEET NO. 48 OF 68
	BRIDGE REPLACEMENT					
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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



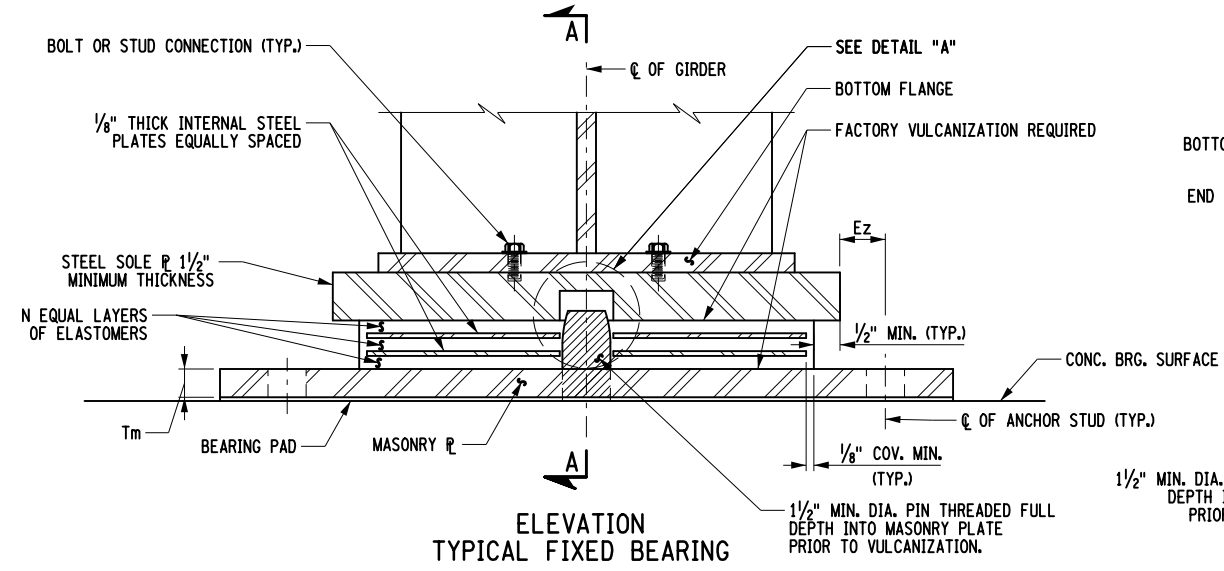
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USER = RGenung

CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA  
DRAFTING M. VALLETTA/XXX  
CHECK L. SANDA  
DESIGN R. GENUNG  
JOB MANAGER L. SANDA  
DESIGN SUPERVISOR L. SANDA

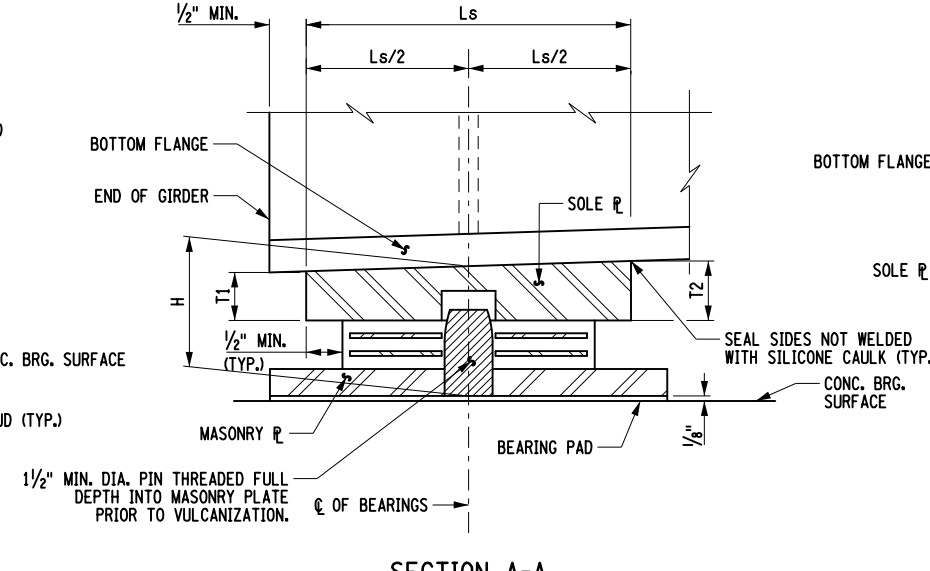
FIXED ELASTOMERIC BEARING (TYPE E.B.) TABLE																													
LOCATION	ITEM NO.	QUANTITY REQUIRED	D.L. + S.D.L. (KIPS)	L.L. WITHOUT IMPACT (KIPS)	TOTAL DESIGN REACTIONS (KIPS)	SHAPE FACTOR	ELASTOMER LAYER				hrt	COMP. AREA (SQ. IN.)	SHEAR AREA (SQ. IN.)	MASONRY PLATE						ANCHOR STUDS			SOLE PLATE				BRG. H	DIA. P (PIN DIA.)	
							THK/LAYER	NO. LAYERS	L	W				Wm	Lm	Tm	Et	Ei	Ez	DIA.m	DIA.	STUDS/BRG.	WELD SIZE	Ws	Ln	T1			T2
BEGIN - EXTERIOR	565.2023	2	59	40	99	6	0.5	2	10	15	1	142	148	26	12	1.5	2	6	1.5	1.375	1.0	2	5/16	19	11	1.5	1.5	4.125	1.5
BEGIN - INTERIOR	565.2023	3	56	47	103	6	0.5	2	10	15	1	142	148	26	12	1.5	2	6	1.5	1.375	1.0	2	5/16	19	11	1.5	1.5	4.125	1.5

TABLE DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

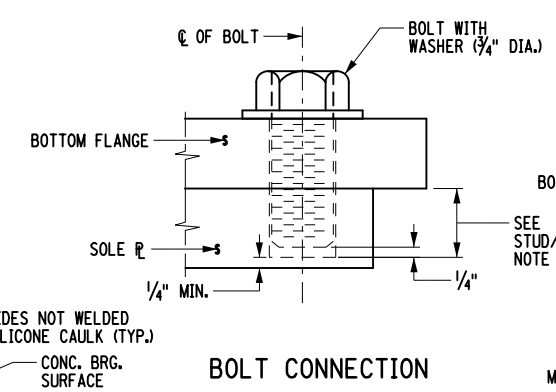
T2 IS UPSTATION OF T1.



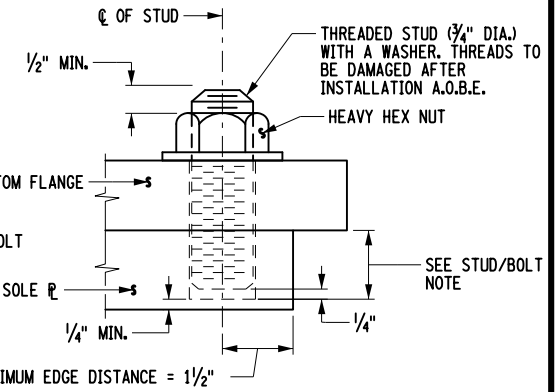
ELEVATION  
TYPICAL FIXED BEARING



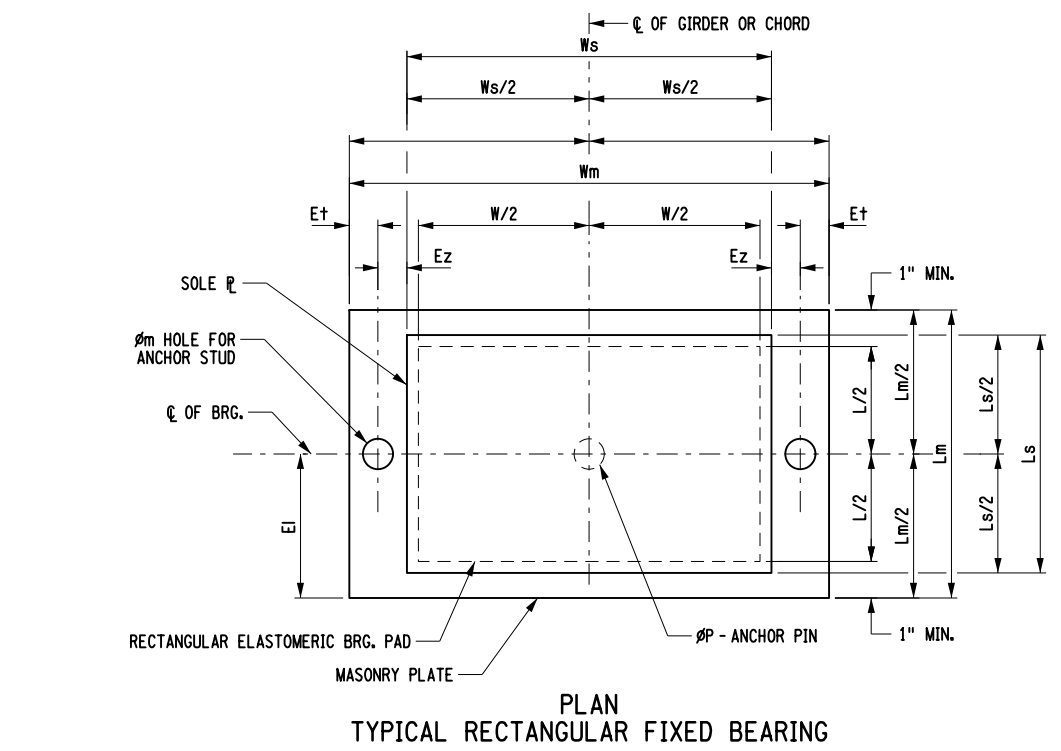
SECTION A-A



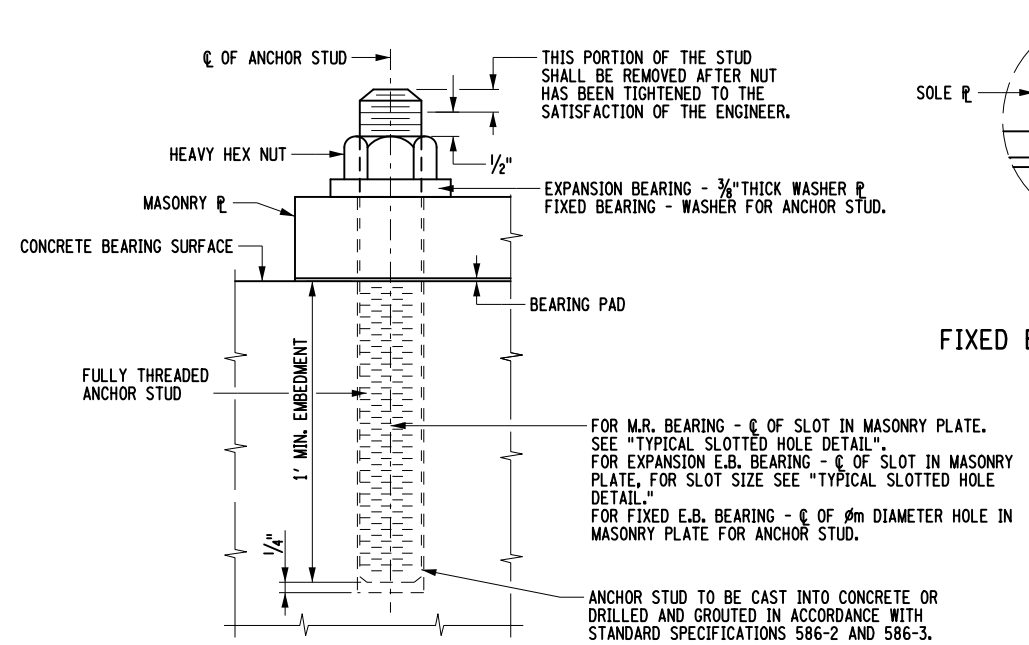
BOLT CONNECTION



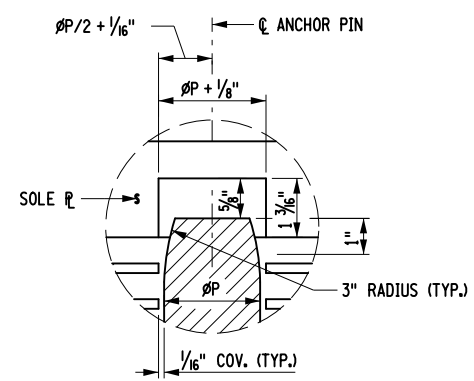
STUD CONNECTION



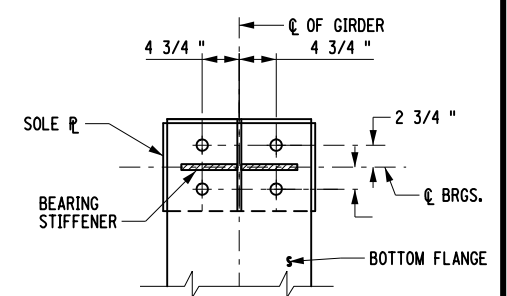
PLAN  
TYPICAL RECTANGULAR FIXED BEARING



ANCHOR STUD



DETAIL "A"  
FIXED BEARING ANCHOR PIN



PLAN - CONNECTION DETAIL

NOTES:

- THE BEARINGS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 565 UNLESS OTHERWISE NOTED.
- ALL ELASTOMER SHALL BE 50 DUROMETER HARDNESS ON THE SHORE A SCALE.
- ALL STEEL EXCEPT THE INTERNAL STEEL PLATES SHALL CONFORM TO ASTM A709, GR. 50, UNLESS OTHERWISE NOTED.
- BEARING PADS SHALL CONFORM TO ONE OF THE FOLLOWING MATERIAL SPECIFICATIONS: 728-01, 728-02 OR 728-03.
- INSTALLATION ALIGNMENT:  
THE MAXIMUM VARIATION FROM PERFECT ALIGNMENT UNDER FULL DEAD LOAD SHALL NOT EXCEED 3/16". THIS VARIATION SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CENTERLINE OF THE HIGHEST ELASTOMER SURFACE AND THE CENTERLINE OF THE LOWEST ELASTOMER SURFACE.
- CONCRETE SURFACES UNDER THE BEARINGS SHALL CONFORM TO SUBSECTION 565.3.02 "CONCRETE BEARING SURFACE PREPARATION" OF THE NEW YORK STATE STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS.
- THE BEARING PAD, ANCHOR STUDS, WASHER PLATES AND NUTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARING ITEM.
- IF THE ANCHOR STUDS ARE SET UNDER THE SOLE PLATE, A MINIMUM CLEARANCE EQUAL TO TWO TIMES THE THICKNESS OF ANCHOR NUT PLUS 1" SHALL BE MAINTAINED BETWEEN THE TOP OF MASONRY PLATE AND BOTTOM OF THE SOLE PLATE.

ANCHOR STUDS, WASHERS, WASHER PLATES, ANCHOR PLATES, AND NUTS SHALL MEET THE REQUIREMENTS OF SUBSECTION 723-60. THEY SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF MATERIAL SUBSECTION 719-01, "GALVANIZED COATINGS AND REPAIR METHODS." THE COST, INCLUDING GALVANIZING, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARING ITEM.

AFFIX SEAL: ON: ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				BEARING DETAILS (1 OF 2)	DRAWING NO. ST-22 SHEET NO. 49 OF 68
	BRIDGE REPLACEMENT					
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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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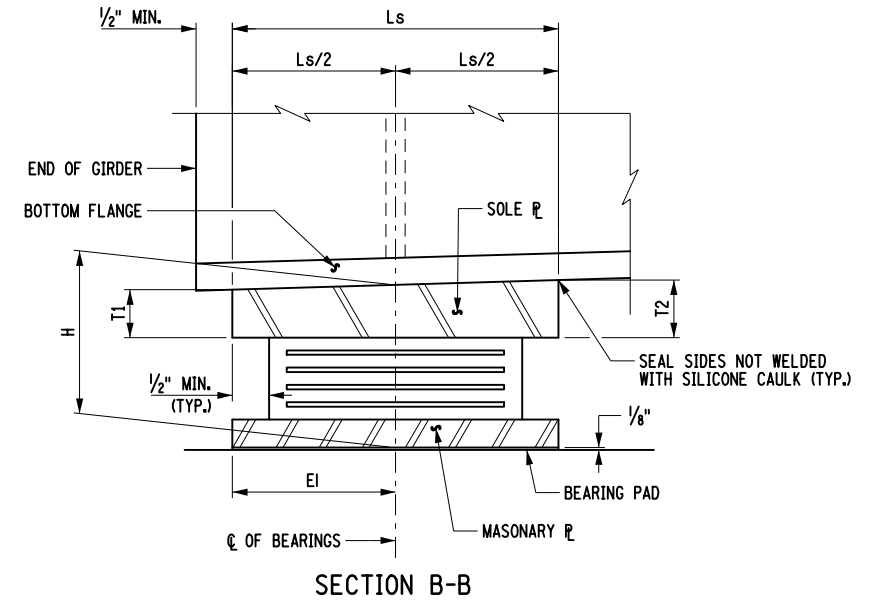
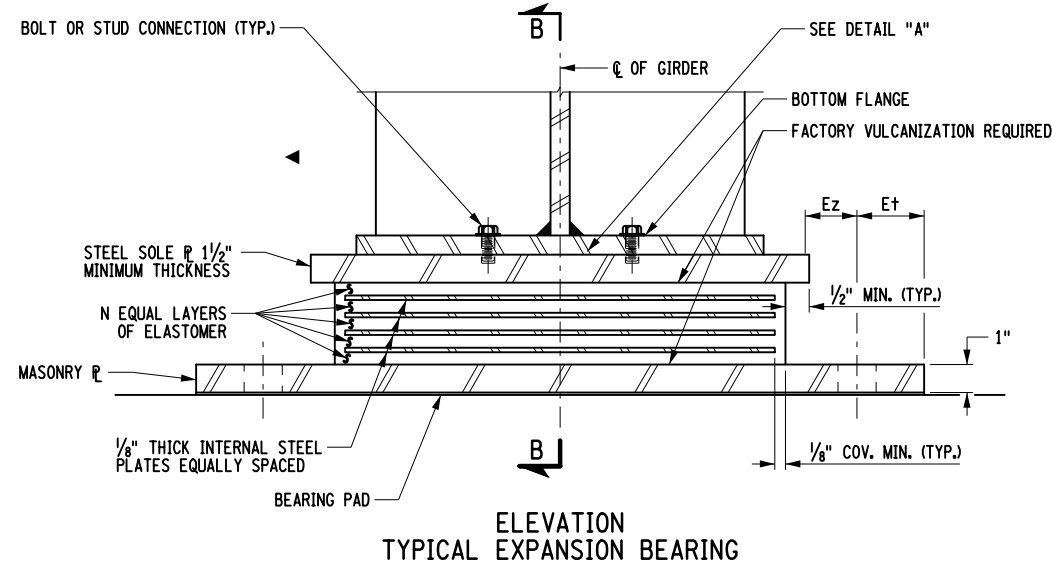
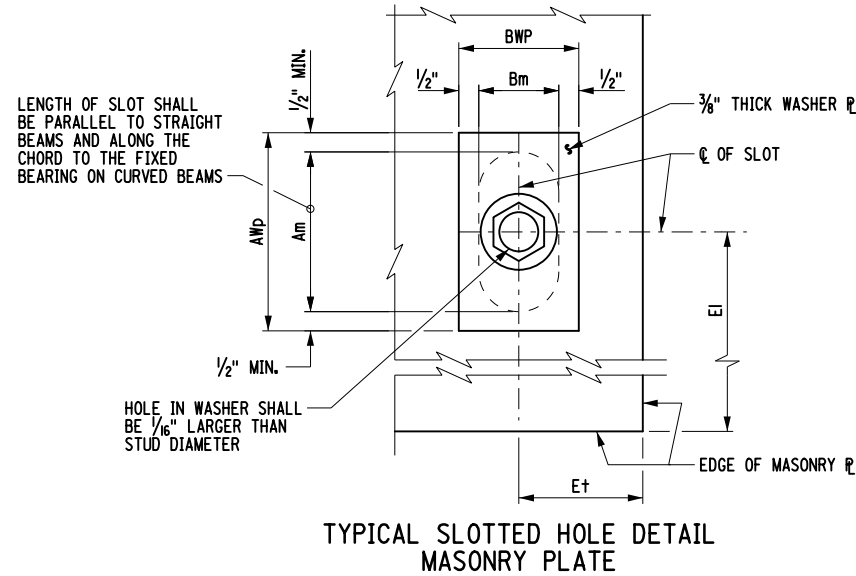
JOB MANAGER L. SANDA  
DESIGN R. GENUNG  
DRAFTING M. VALLETTA/XXX  
CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

EXPANSION ELASTOMERIC BEARING (TYPE E.B.) TABLE

LOCATION	ITEM NO.	QUANTITY REQUIRED	D.L. + S.D.L. (KIPS)	L.L. WITHOUT IMPACT (KIPS)	TOTAL DESIGN REACTIONS (KIPS)	SHAPE FACTOR	ELASTOMER LAYER					MASONRY PLATE						ANCHOR STUDS		WASHER PLATE		SOLE PLATE		BRG. H							
							THK/LAYER	NO. LAYERS	L	W	hrt	COMP. AREA (SQ. IN.)	SHEAR AREA (SQ. IN.)	Wm	Lm	Tm	Et	EI	Ez	Am	Bm	DIA.	STUDS/BRG.		WELD SIZE	AWp	BWp	Ws	Ls	T1	T2
END - EXTERIOR	565.2033	2	59	40	99	6	0.5	4	10	15	2	144	150	26	12	1.0	2	6	1.5	2.5	1.375	1.000	2	5/16	3.5	2.375	19	11	1.5	1.5	4.875
END - INTERIOR	565.2033	3	56	47	103	6	0.5	4	10	15	2	144	150	26	12	1.0	2	6	1.5	2.5	1.375	1.0	2	5/16	3.5	2.375	19	11	1.5	1.5	4.875

TABLE DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

T2 IS UPSTATION OF T1.



NOTES:

THE BEARINGS SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 565 UNLESS OTHERWISE NOTED.

ALL ELASTOMER SHALL BE 50 DUROMETER HARDNESS ON THE SHORE A SCALE.

ALL STEEL EXCEPT THE INTERNAL STEEL PLATES SHALL CONFORM TO ASTM A709, GR. 50, UNLESS OTHERWISE NOTED.

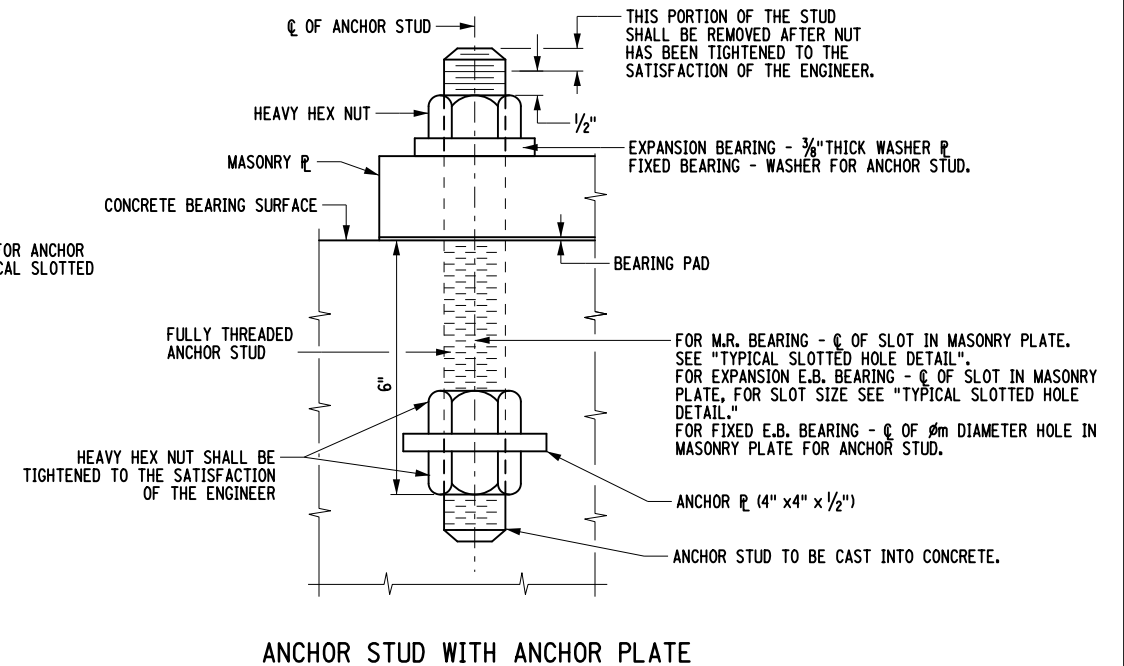
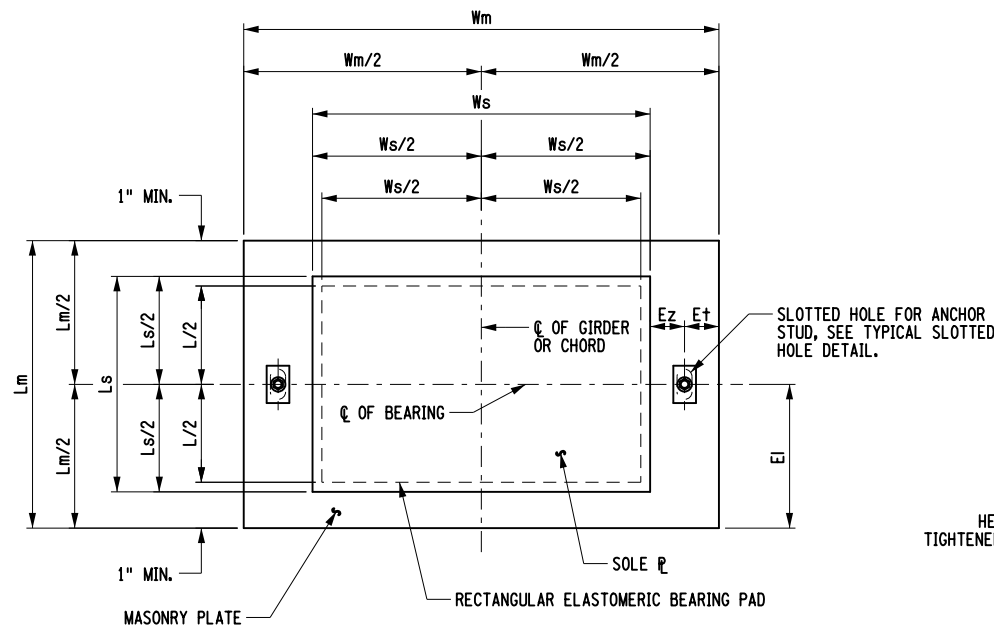
BEARING PADS SHALL CONFORM TO ONE OF THE FOLLOWING MATERIAL SPECIFICATIONS: 728-01, 728-02 OR 728-03.

INSTALLATION ALIGNMENT:  
THE MAXIMUM VARIATION FROM PERFECT ALIGNMENT UNDER FULL DEAD LOAD SHALL NOT EXCEED 3/16". THIS VARIATION SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CENTERLINE OF THE HIGHEST ELASTOMER SURFACE AND THE CENTERLINE OF THE LOWEST ELASTOMER SURFACE.

CONCRETE SURFACES UNDER THE BEARINGS SHALL CONFORM TO SUBSECTION 565-3.02 "CONCRETE BEARING SURFACE PREPARATION" OF THE NEW YORK STATE STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS.

THE BEARING PAD, ANCHOR STUDS WASHER PLATES AND NUTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARING ITEM.

IF THE ANCHOR STUDS ARE SET UNDER THE SOLE PLATE, A MINIMUM CLEARANCE EQUAL TO TWO TIMES THE THICKNESS OF ANCHOR NUT PLUS 1" SHALL BE MAINTAINED BETWEEN THE TOP OF MASONRY PLATE AND BOTTOM OF SOLE PLATE.



AFFIX SEAL: ON: ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				BEARING DETAILS (2 OF 2)	DRAWING NO. ST-23
	BRIDGE REPLACEMENT					SHEET NO. 50 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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.

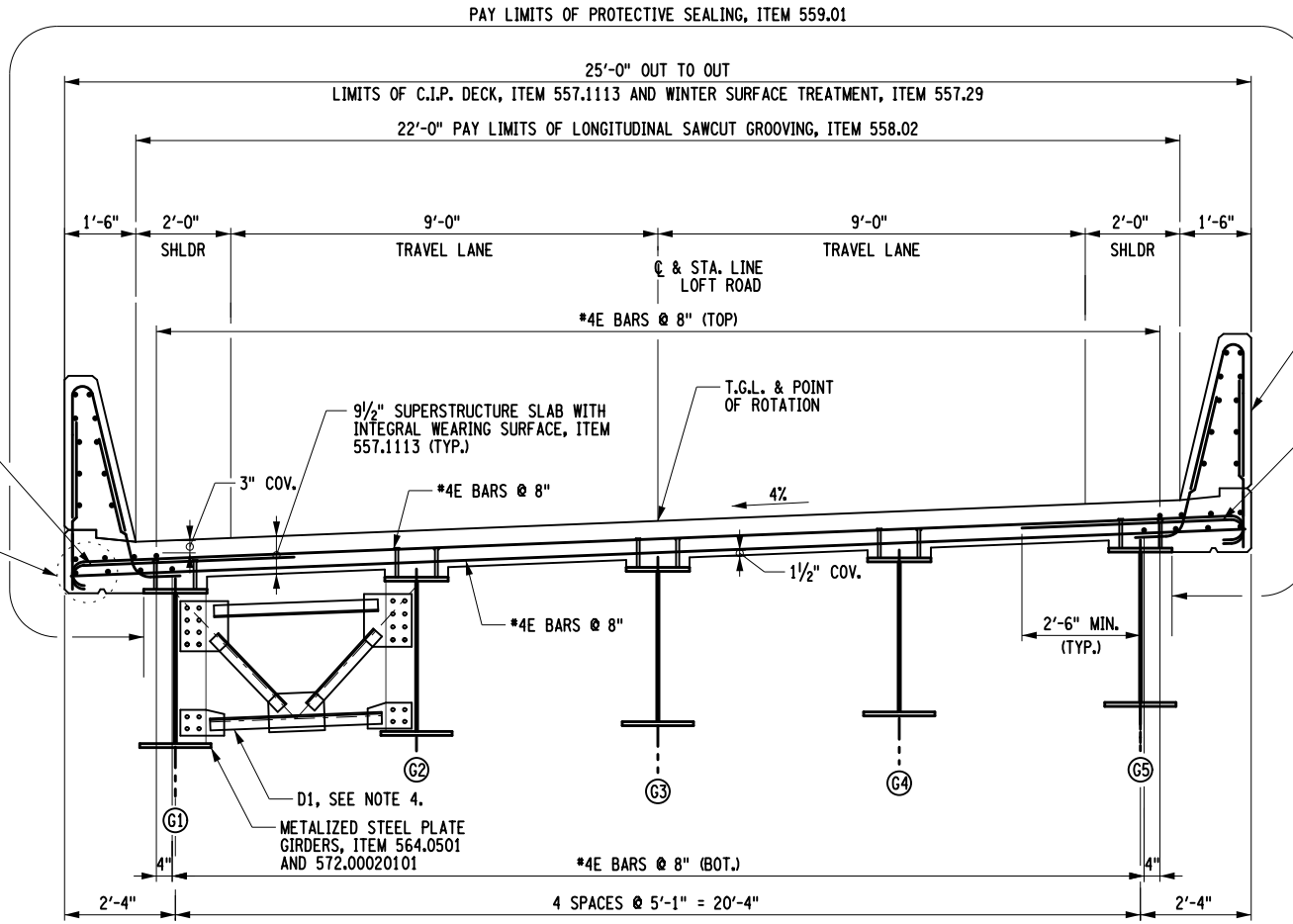


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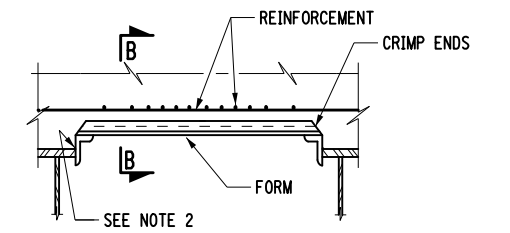
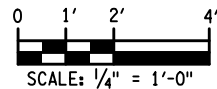
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DESIGN R. GENUNG  
JOB MANAGER L. SANDA  
DESIGN SUPERVISOR L. SANDA

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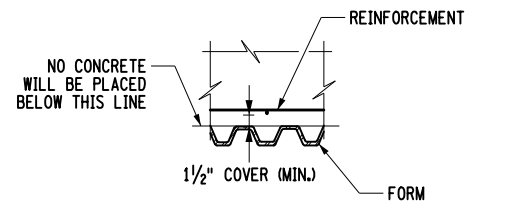
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 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



TRANSVERSE BRIDGE SECTION



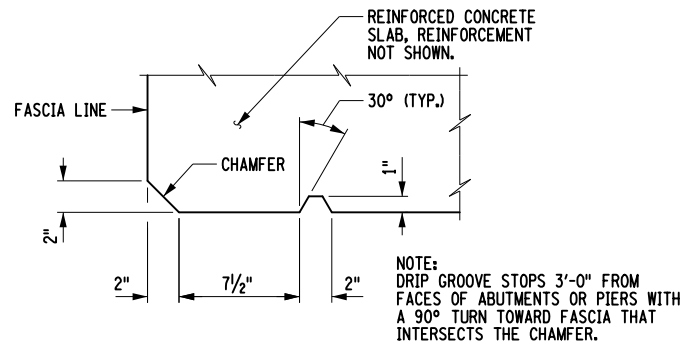
PERMANENT CORRUGATED METAL FORM DETAIL  
 NOT TO SCALE



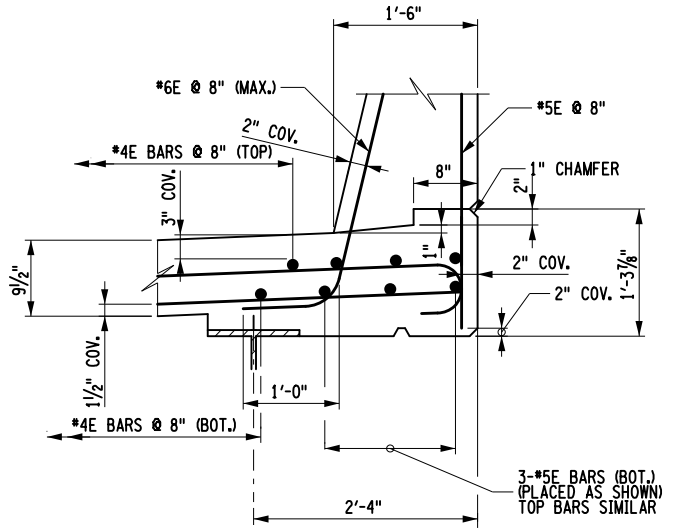
SECTION B-B  
 NOT TO SCALE

FORM UNIT NOTES:

1. THE COST OF THE FORMING SYSTEMS SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SUPERSTRUCTURE SLAB CONCRETE ITEM.
2. THERE SHALL BE NO WELDING TO METALIZED GIRDER SURFACES FOR ATTACHMENT OF FORMING DEVICES.
3. THE SUPPORT ANGLES AND/OR ZEES SHALL BE GALVANIZED IN ACCORDANCE WITH MATERIAL SPECIFICATION 719-01.
4. D1 TYP. ALL FASCIA BAYS, D2 TYP. WITHOUT TOP STRUT ALL INSIDE BAYS. SEE NOTE 6 ON SHEET ST-26.



DRIP GROOVE DETAIL  
 NOT TO SCALE



FASCIA DETAIL  
 NOT TO SCALE

AFFIX SEAL: ON: \_\_\_\_\_

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

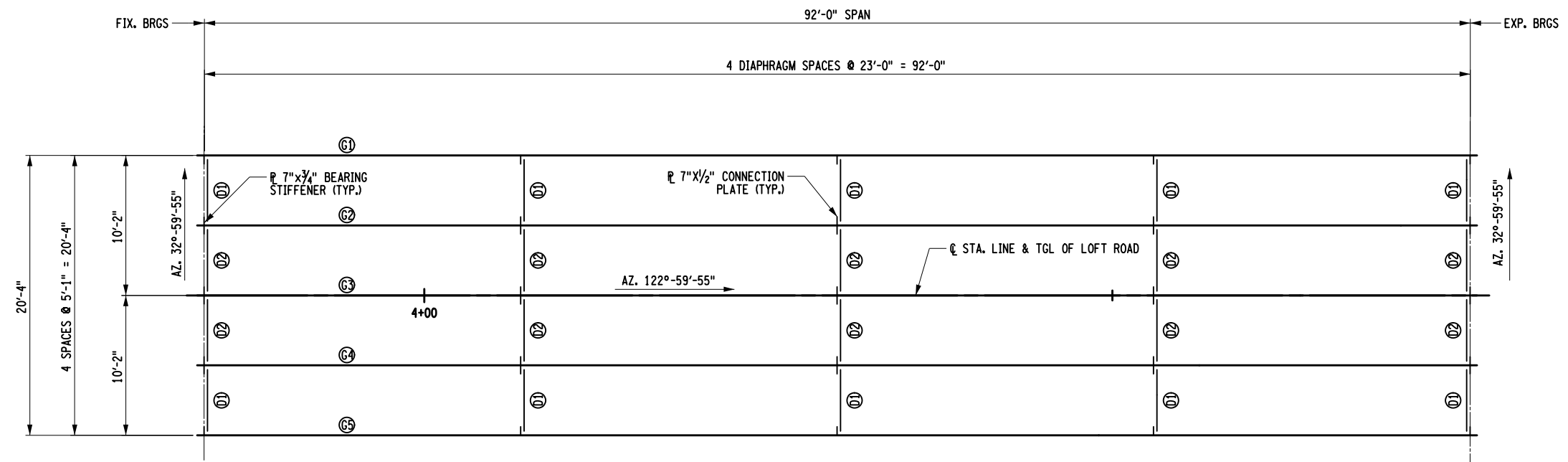
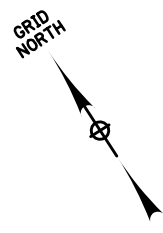
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					DRAWING NO. ST-24
	BRIDGE REPLACEMENT				TRANSVERSE BRIDGE SECTION AND DETAILS	SHEET NO. 51 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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.

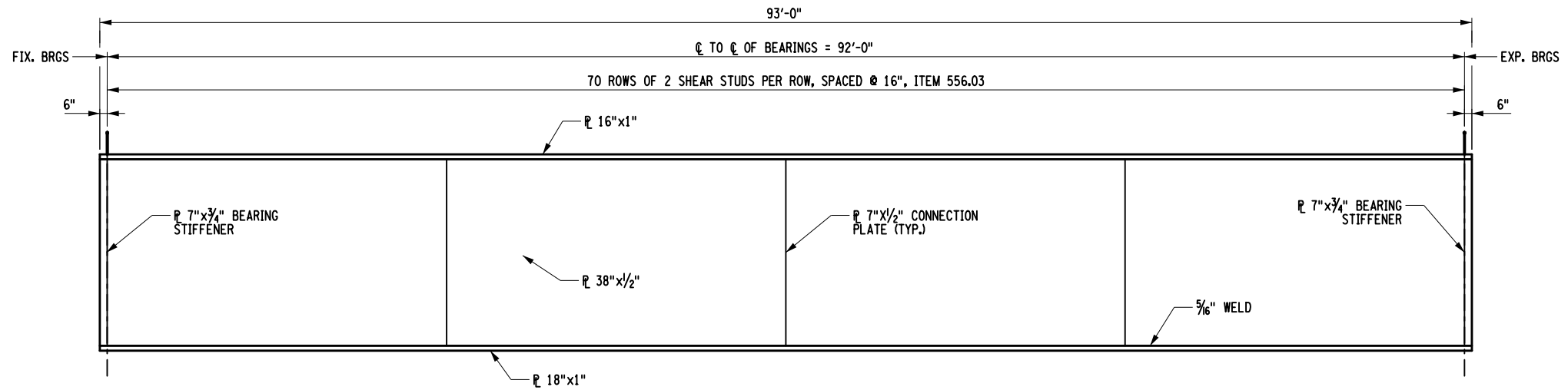
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 40 COURT STREET, SUITE 100  
 BRIDGEHARTLAND, NEW YORK 13021

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 USER = RGenung

DESIGN SUPERVISOR L. SANDA JOB MANAGER L. SANDA DESIGN R. GENUNG DRAFTING M. VALLETTA/XXX CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

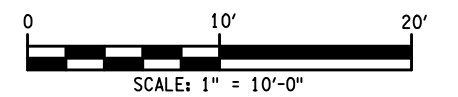


FRAMING PLAN



GIRDER ELEVATION

- NOTES:
1. SEE DWG ST-26 FOR GIRDER AND DIAPHRAGM DETAILS
  2. ALL GRIDERS, INCLUDING THE BEARING STIFFENERS AND CONNECTION PLATES SHALL BE METALIZED FOR THEIR ENTIRE LENGTH TO THE LIMITS SHOWN IN THE LIMIT OF METALIZING SECTION ON DWG. ST-26.
  3. THERE SHALL BE NO WELDING TO METALIZED GIRDERS FOR THE ATTACHMENT OF FORMING DEVICES.
  4. THE ENDS OF ALL GIRDERS AND BEARING STIFFENERS SHALL BE VERTICAL. ALL CONNECTION PLATES MAY BE PERPENDICULAR TO THE TOP FLANGE



AFFIX SEAL: ON:	ALTERED BY: ON:

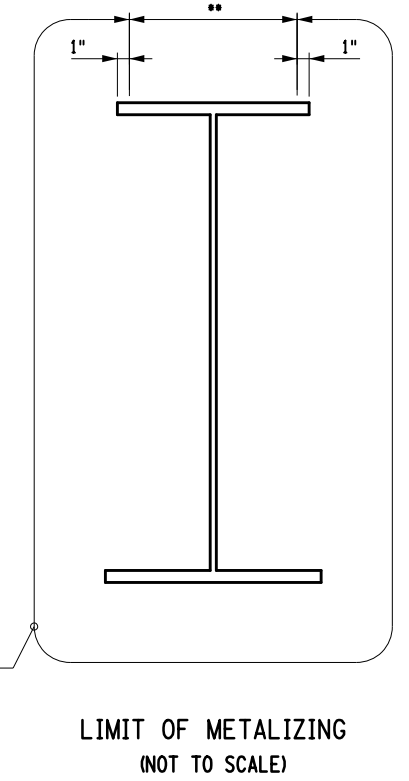
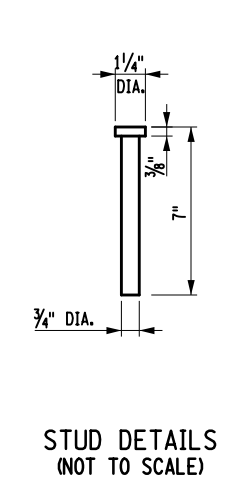
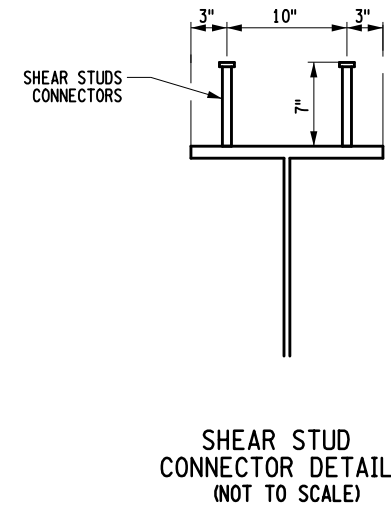
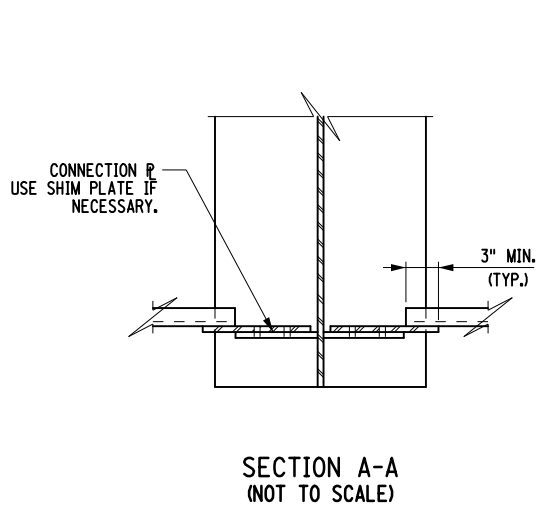
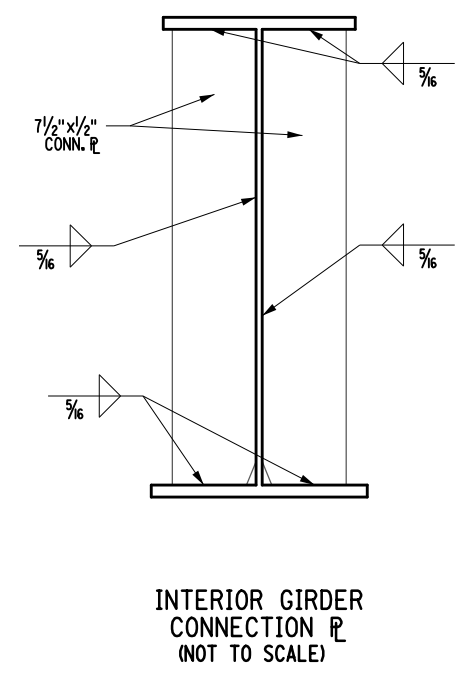
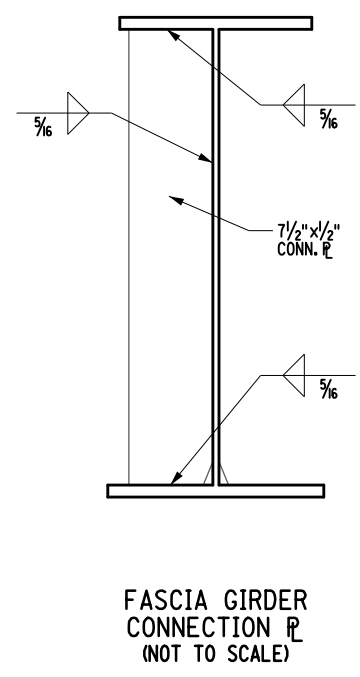
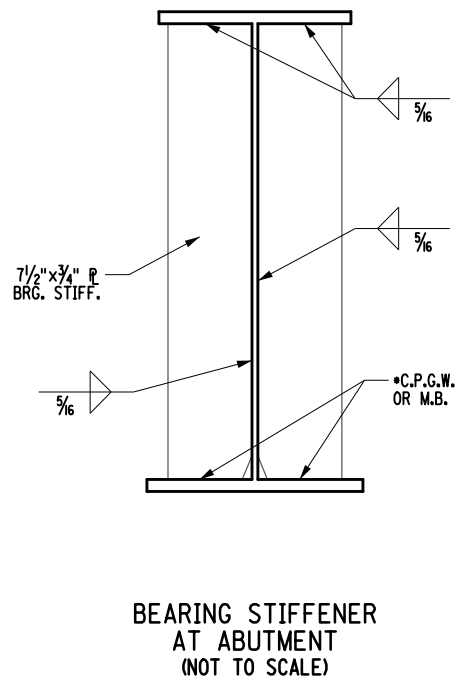
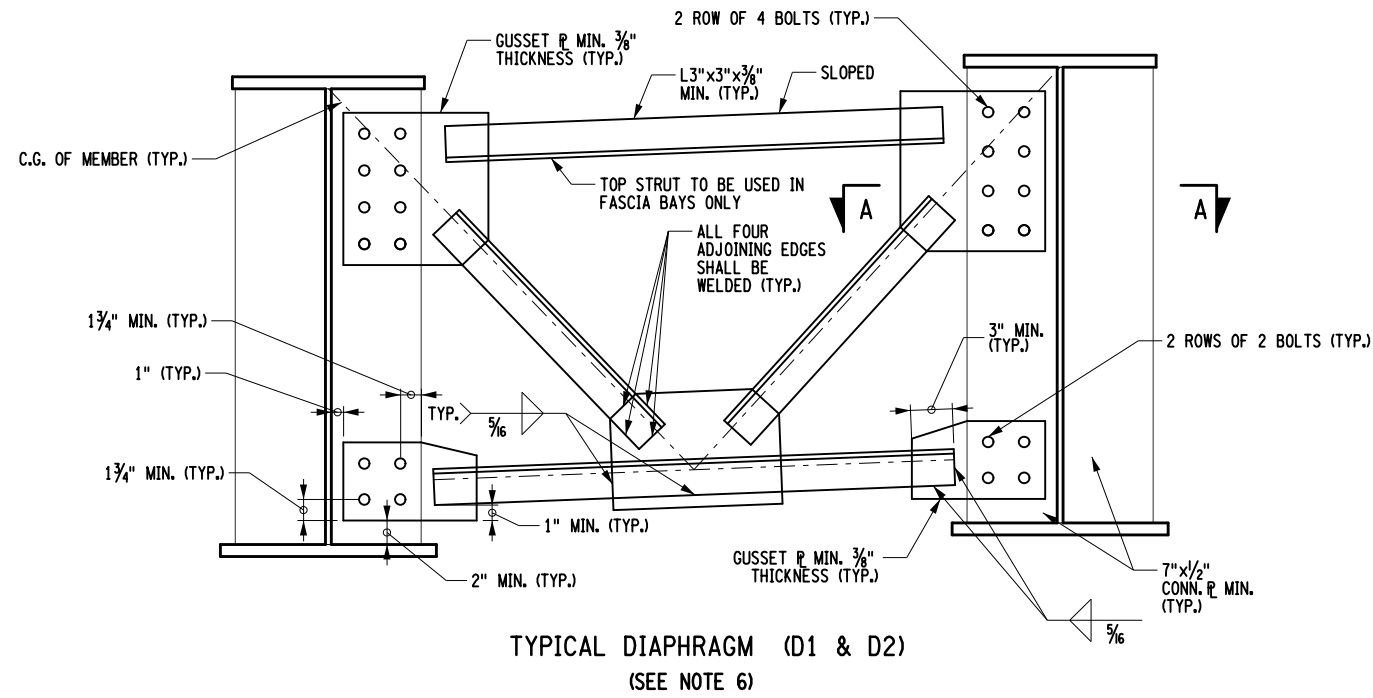
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					DRAWING NO. ST-25
	BRIDGE REPLACEMENT				FRAMING PLAN AND GIRDER ELEVATION	SHEET NO. 52 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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.



CHECK S. FAULKNER/R. GENJING PROJECT MANAGER L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK L. SANDA  
 DESIGN R. GENJING  
 JOB MANAGER L. SANDA  
 DESIGN SUPERVISOR L. SANDA

FILE NAME = M:\18825.00\Loft Road Bridge\Drawings\975519\_opb.dtl.stl.dwg  
 DATE/TIME = 5/13/2026  
 USER = RGenjng



LIMITS OF METALIZING, ITEM 572.00020101

- NOTES:**
1. CONNECTIONS SHALL BE MADE ACCORDING TO THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
  2. UNLESS OTHERWISE INDICATED, BOLTED CONNECTIONS SHALL BE MADE WITH 1/2" DIA. ASTM F3125, GRADE A325 HIGH-STRENGTH BOLTS. ALL BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
  3. THE CONTRACTOR MAY PLACE DIAPHRAGMS ON EITHER SIDE OF THE BEARING STIFFENERS OR CONNECTION PLATES AS NECESSARY FOR CORRECT ALIGNMENT, PROVIDED THERE WILL BE NO INTERFERENCE WITH OTHER STRUCTURAL DETAILS.
  4. TAPERED OR FLAT SHIM PLATES MAY BE USED IN THE CONNECTION BETWEEN SKEWED DIAPHRAGMS AND THE BEARING STIFFENERS, STIFFENER CONNECTION PLATES OR GUSSET PLATES. VARIABLE THICKNESSES OF SHIM PLATES MAY BE USED. THE MINIMUM THICKNESS OF SHIM PLATE SHALL BE 1/8" WITH A MAXIMUM NUMBER OF THREE SHIM PLATES PERMITTED AT ANY CONNECTION. THE TOTAL THICKNESS OF ALL SHIM PLATES USED AT ANY CONNECTION SHALL NOT EXCEED 1". SHIM PLATES SHALL HAVE THE DIMENSIONS OF THE FAYING SURFACE. THE SHIM MATERIAL SHALL CONFORM TO ASTM DESIGNATION A709 GR50 AND METALIZED IN ACCORDANCE WITH N.Y.S. STANDARD SPECIFICATIONS, SUBSECTION 719-01. NO ADDITIONAL PAYMENT WILL BE MADE FOR FURNISHING AND PLACING THE SHIM PLATES.
  5. ALL BOLT HEADS SHALL BE PLACED ON THE TOP SIDE OF CONNECTIONS UNLESS OTHERWISE NOTED.
  6. D1 (FASCIA BAYS) INCLUDES TOP STRUT. D2 (INTERIOR BAYS) EXCLUDES THE TOP STRUT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				<b>DIAPHRAGM AND GIRDER DETAILS</b>	DRAWING NO. ST-26
	BRIDGE REPLACEMENT					SHEET NO. 53 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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\*\* COAT THIS AREA WITH AN ORGANIC ZINC PRIMER CONFORMING TO NYSDOT MATERIAL SPECIFICATIONS 708-01 OR 708-02. PRIME COAT SHALL BE APPLIED AT A THICKNESS BETWEEN 0.5 AND 1.5 MILS. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR METALIZING ITEM.

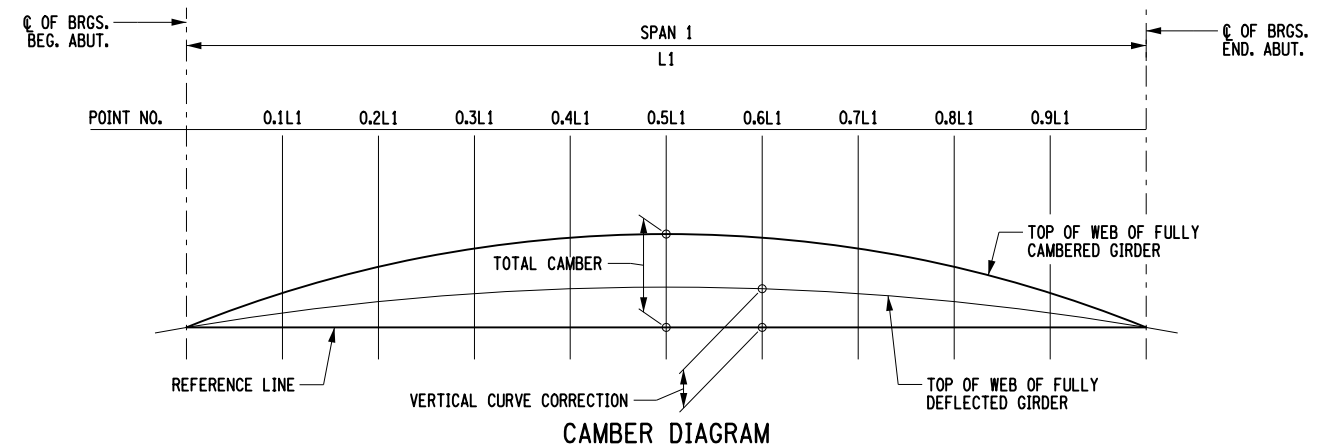
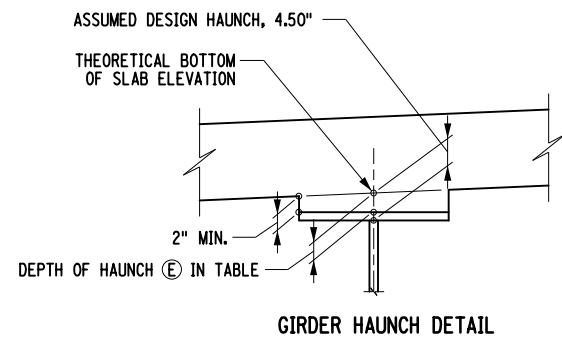


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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

HAUNCH TABLE (FT)		CL. OF BRGS. BEG. ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL. OF BRGS. END. ABUT.
GIRDER 1	(A) REQ'D BOTTOM OF SLAB ELEVATIONS	1197.39	1197.44	1197.49	1197.53	1197.58	1197.62	1197.67	1197.72	1197.76	1197.81	1197.85
	(B) TOP OF STEEL EL. (FIELD MEASURE)											
	(C) = (A) - (B)											
	(D) CONCRETE + S.D.L. DEFLECTION	0	0.09	0.17	0.24	0.28	0.29	0.28	0.24	0.17	0.09	0
	(E) DEPTH OF HAUNCH REQ'D = (C) + (D)											
GIRDER 2	(A) REQ'D BOTTOM OF SLAB ELEVATIONS	1197.60	1197.64	1197.69	1197.74	1197.78	1197.83	1197.87	1197.92	1197.97	1198.01	1198.06
	(B) TOP OF STEEL EL. (FIELD MEASURE)											
	(C) = (A) - (B)											
	(D) CONCRETE + S.D.L. DEFLECTION	0.00	0.09	0.16	0.22	0.26	0.27	0.26	0.22	0.04	0.02	0.00
	(E) DEPTH OF HAUNCH REQ'D = (C) + (D)											
GIRDER 3	(A) REQ'D BOTTOM OF SLAB ELEVATIONS	1197.80	1197.85	1197.89	1197.94	1197.98	1198.03	1198.08	1198.12	1198.17	1198.21	1198.26
	(B) TOP OF STEEL EL. (FIELD MEASURE)											
	(C) = (A) - (B)											
	(D) CONCRETE + S.D.L. DEFLECTION	0.00	0.09	0.16	0.22	0.26	0.27	0.26	0.22	0.16	0.09	0.00
	(E) DEPTH OF HAUNCH REQ'D = (C) + (D)											
GIRDER 4	(A) REQ'D BOTTOM OF SLAB ELEVATIONS	1198.00	1198.05	1198.10	1198.14	1198.19	1198.23	1198.28	1198.33	1198.37	1198.42	1198.46
	(B) TOP OF STEEL EL. (FIELD MEASURE)											
	(C) = (A) - (B)											
	(D) CONCRETE + S.D.L. DEFLECTION	0.00	0.09	0.16	0.22	0.26	0.27	0.26	0.22	0.16	0.09	0.00
	(E) DEPTH OF HAUNCH REQ'D = (C) + (D)											
GIRDER 5	(A) REQ'D BOTTOM OF SLAB ELEVATIONS	1198.21	1198.25	1198.30	1198.35	1198.39	1198.44	1198.48	1198.53	1198.58	1198.62	1198.67
	(B) TOP OF STEEL EL. (FIELD MEASURE)											
	(C) = (A) - (B)											
	(D) CONCRETE + S.D.L. DEFLECTION	0.00	0.09	0.17	0.24	0.28	0.29	0.28	0.24	0.17	0.09	0.00
	(E) DEPTH OF HAUNCH REQ'D = (C) + (D)											

CAMBER TABLE		CL. OF BRGS. BEG. ABUT.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL. OF BRGS. END. ABUT.
GIRDER 1 & 5	I STEEL D.L. (FT.)	0.000	0.020	0.035	0.050	0.055	0.060	0.055	0.050	0.035	0.020	0.000
	II CONCRETE D.L. (FT.)	0.000	0.070	0.135	0.185	0.220	0.230	0.220	0.185	0.135	0.070	0.000
	III SUPERIMPOSED D.L. (FT.)	0.000	0.020	0.040	0.050	0.060	0.065	0.060	0.050	0.040	0.020	0.000
	IV VERTICAL CURVE D.L. (FT.)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL = I+II+III+IV (FT.)	0.000	0.110	0.210	0.285	0.335	0.350	0.335	0.285	0.210	0.110	0.000
GIRDER 2-4	I STEEL D.L. (FT.)	0.000	0.020	0.035	0.050	0.060	0.060	0.060	0.050	0.035	0.020	0.000
	II CONCRETE D.L. (FT.)	0.000	0.065	0.125	0.170	0.200	0.210	0.200	0.170	0.000	0.000	0.000
	III SUPERIMPOSED D.L. (FT.)	0.000	0.020	0.040	0.050	0.060	0.065	0.060	0.050	0.040	0.020	0.000
	IV VERTICAL CURVE D.L. (FT.)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TOTAL = I+II+III+IV (FT.)	0.000	0.105	0.200	0.270	0.315	0.335	0.315	0.270	0.075	0.040	0.000




AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD OVER SCHENEVUS CREEK BRIDGE REPLACEMENT TOWN OF MARYLAND COUNTY: OTSEGO	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
HAUNCH TABLE, CAMBER TABLE AND DETAILS					DRAWING NO. ST-27	SHEET NO. 54 OF 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.						

MOMENT AND SHEAR TABLE			CL BRG. BEGIN ABUT.	0.1L1	0.2L1	0.3L1	0.4L1	0.5L1	0.6L1	0.7L1	0.8L1	0.9L1	CL BRG.
BEAM 1 & 5	D.L.	MOMENT	0	360	639	839	959	999	959	839	639	360	0
		SHEAR	43	35	26	17	9	0	-9	-17	-26	-35	-43
	S.D.L.	MOMENT	0	126	224	294	336	350	336	294	224	126	0
		SHEAR	15	12	9	6	3	0	-3	-6	-9	-12	-15
	HL-93(+)	MOMENT	0	496	871	1125	1275	1312	1275	1125	871	496	0
		SHEAR	60	53	45	38	31	24	17	11	7	3	0
	HL-93(-)	MOMENT	0	0	0	0	0	0	0	0	0	0	0
		SHEAR	0	-3	-7	-11	-17	-24	-31	-38	-45	-53	-60
BEAM 2-4	D.L.	MOMENT	0	337	599	786	898	935	898	786	599	337	0
		SHEAR	41	33	24	16	8	0	-8	-16	-24	-33	-41
	S.D.L.	MOMENT	0	126	224	294	336	350	336	294	224	126	0
		SHEAR	15	12	9	6	3	0	-3	-6	-9	-12	-15
	HL-93(+)	MOMENT	0	422	741	958	1085	1116	1085	958	741	422	0
		SHEAR	70	60	52	43	35	27	20	13	8	3	0
	HL-93(-)	MOMENT	0	0	0	0	0	0	0	0	0	0	0
		SHEAR	0	-3	-8	-13	-20	-27	-35	-43	-52	-60	-70

DESIGN LOAD TABLE			
	UNIT	LOAD (KIP/FT)	
Girder 1 & 5	D.L.	SLAB	0.604
		HAUNCH	0.058
		GIRDER	0.195
		S.I.P. FORMS	0.010
		DIAPHRAGMS	0.016
	TOTAL	0.883	
S.D.L.	RAILING	0.240	
	FUTURE W.S.	0.091	
	TOTAL	0.331	

DESIGN LOAD TABLE			
	UNIT	LOAD (LB/FT)	
Girder 2-4	D.L.	SLAB	0.662
		HAUNCH	0.058
		GIRDER	0.195
		S.I.P. FORMS	0.200
		DIAPHRAGMS	0.023
	TOTAL	1.138	
S.D.L.	RAILING	0.240	
	FUTURE W.S.	0.091	
	TOTAL	0.331	

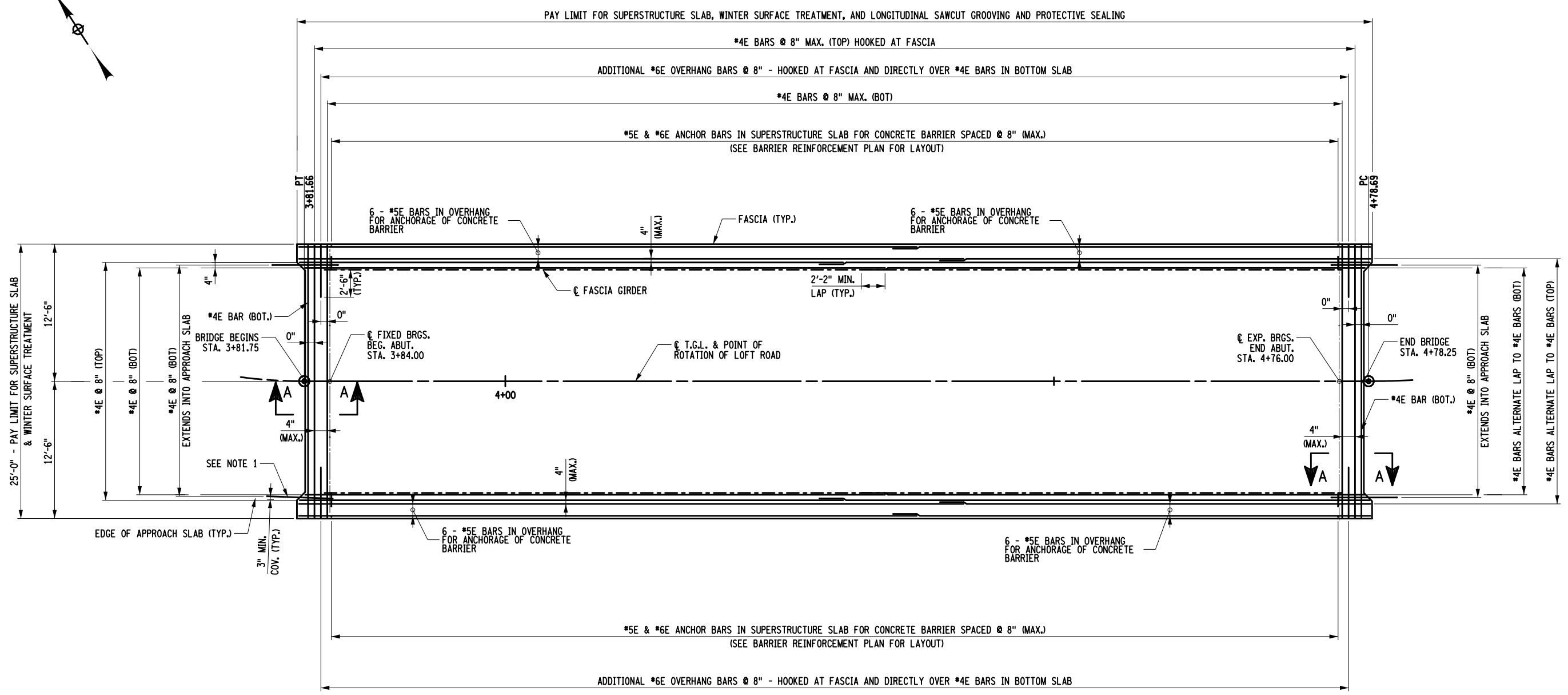
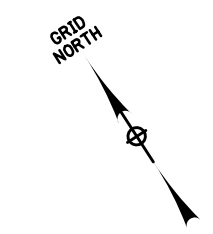
AFFIX SEAL: ON:	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				MOMENT AND SHEAR TABLE AND DESIGN LOAD TABLES	DRAWING NO. ST-28
	BRIDGE REPLACEMENT					SHEET NO. 55 OF 68
	TOWN OF MARYLAND	COUNTY: OTSEGO	REGION: 9			

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FILE NAME = M:\18825.000 Loft Road Bridge Drawings\Drawings\975519\_opb\_slb.supp.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



**DECK PLACEMENT NOTES**

CONCRETE PLACEMENT FINISHING OPERATIONS SHALL PERFORMED AS RAPIDLY AS POSSIBLE. THE ENGINEER MAY DIRECT THE CONTRACTOR TO STOP PLACEMENT OPERATIONS AT ANY TIME IF, IN THE ENGINEER'S OPINION, CONCRETE PLACED DURING THE PLACEMENT HAS STARTED TO SET, OR IS ABOUT TO SET, AND FURTHER PLACEMENT OF CONCRETE WILL CAUSE DEFLECTION CRACKING.

LONGITUDINAL CONSTRUCTION JOINTS ARE NOT PERMITTED.

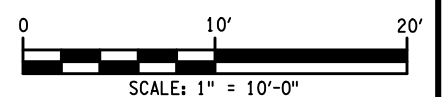
THE CONTRACTOR SHALL PLACE WET BURLAP CURING BLANKETS ON THE CONCRETE DECK WITHIN 30 MINUTES OF CONCRETE BEING DEPOSITED INTO THE FORMS OR 5 MINUTES AFTER FINISHING WHICHEVER COMES FIRST. THE PLACEMENT OF THE TURF DRAG TEXTURE SHALL NOT INTERFERE WITH THESE REQUIREMENTS.

IF THE CONTRACTOR'S DECK PLACEMENT OPERATIONS IS STOPPED PRIOR TO COMPLETION, WHETHER BY THE CONTRACTOR'S DECISION OR BY THE DIRECTION OF THE ENGINEER, THE CONTRACTOR SHALL PROVIDE A FINISHED DECK GRADE WHICH MATCHES THE PLANNED PROFILE. ANY SUBSEQUENT REVISIONS TO DECK FORMS MADE NECESSARY BY SUCH ACTION SHALL BE AT NO COST TO THE TOWN.

**NOTES:**

- 1. SEE DWG. NO. ST-31 FOR SECTION A-A AND DOWEL BAR DETAIL.

SUPERSTRUCTURE SLAB TABLE		
SUPERSTRUCTURE SLAB (SY) ITEM 557.1113 AND WINTER SURFACE TREATMENT (SY) ITEM 557.29	LONGITUDINAL SAWCUT GROOVING (SY) ITEM 558.02	PROTECTIVE SEALING OF STRUCTURAL CONCRETE (SF) ITEM 559.01
268.8	235.9	3980.7



AFFIX SEAL: ON:	ALTERED BY: ON:

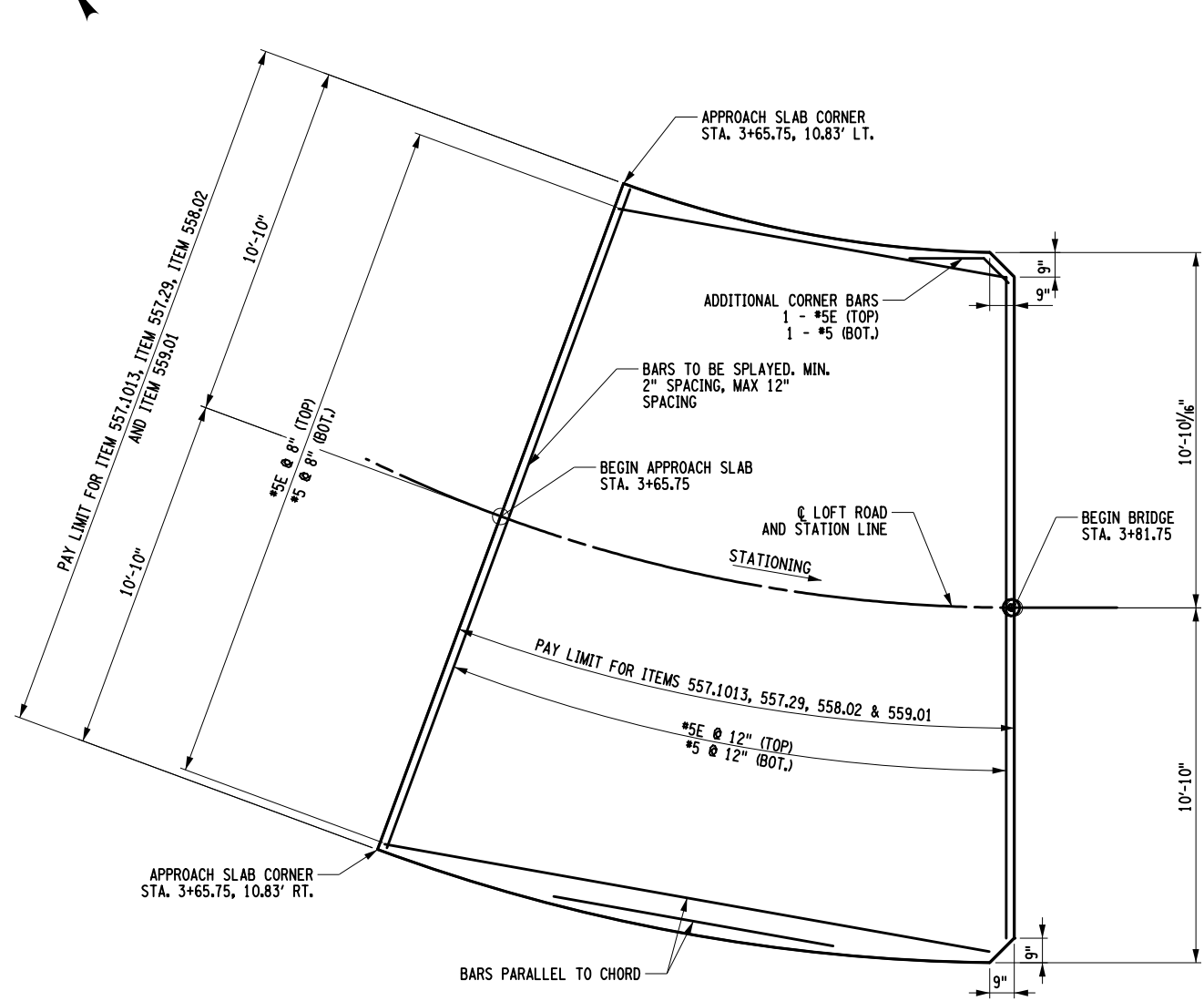
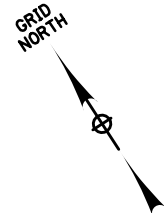
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				<b>SUPERSTRUCTURE SLAB REINFORCEMENT PLAN</b>	DRAWING NO. ST-29
	BRIDGE REPLACEMENT					SHEET NO. 56 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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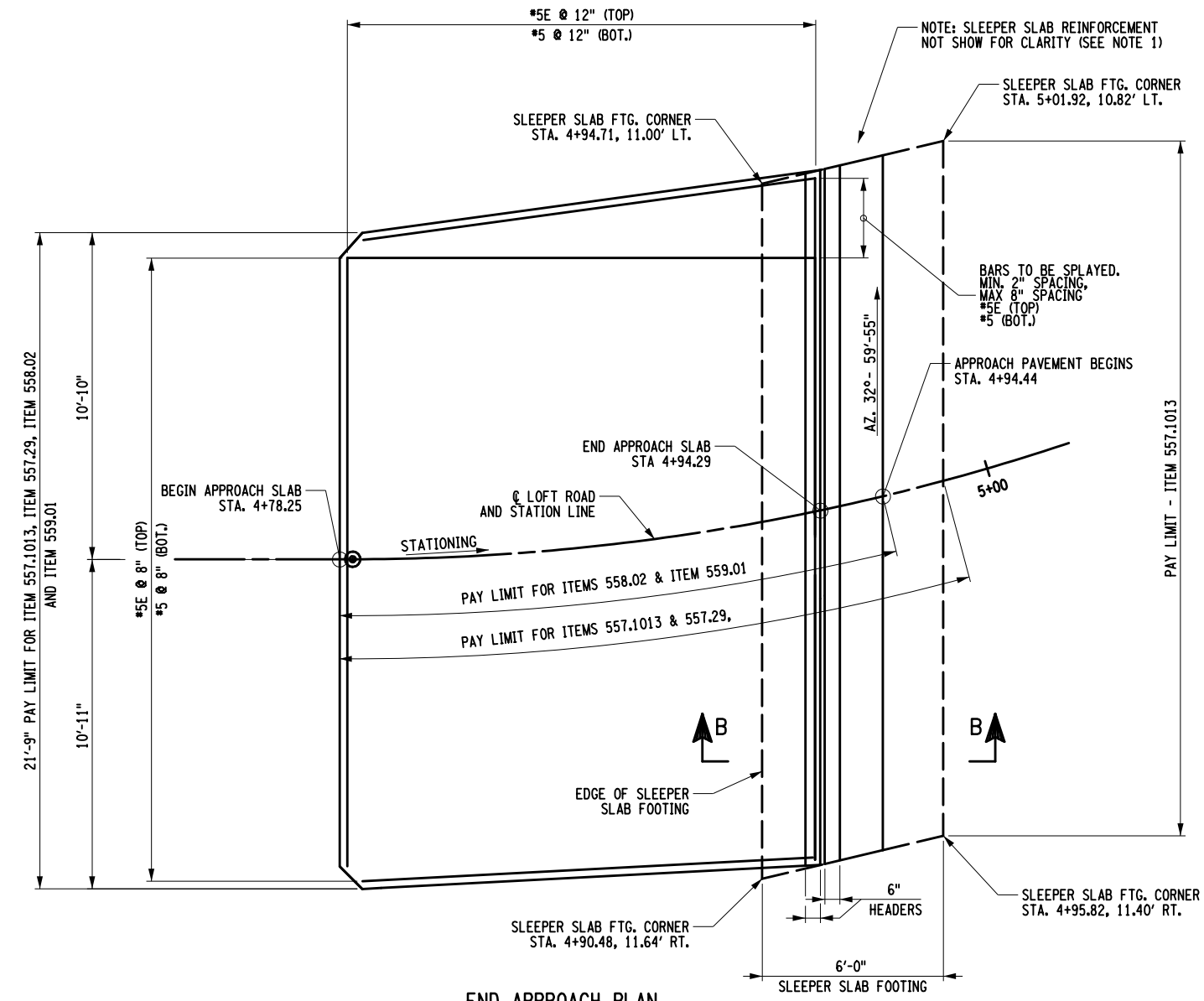


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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA JOB MANAGER L. SANDA DESIGN R. GENUNG DRAFTING M. VALLETTA/XXX CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

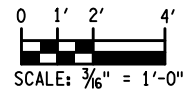


BEGIN APPROACH PLAN



END APPROACH PLAN

- NOTES:
- SEE DWG. NO. ST-31 FOR SECTION B-B AND SLEEPER SLAB REINFORCEMENT.
  - SEE DWG. NO. ST-32 FOR ARMORLESS JOINT DETAILS.



APPROACH SLAB TABLE			
LOCATION	CONCRETE ITEM 557.1013 & 557.29 (SY)	LONGITUDINAL SAWCUT GROOVING (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW DECKS (SF) ITEM 559.01
BEGIN APPROACH SLAB	38.5	39.2	346.2
END APPROACH SLAB	40	39.3	359.2
SLEEPER SLAB	15.6	4.9	50.4

AFFIX SEAL: ON: \_\_\_\_\_ ALTERED BY: ON: \_\_\_\_\_

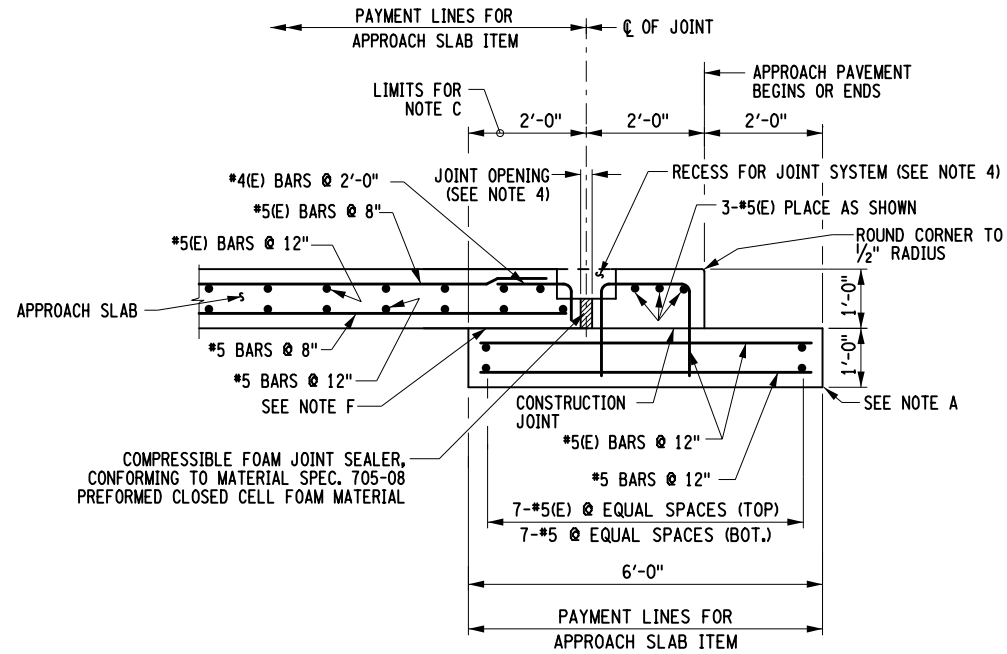
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					
	BRIDGE REPLACEMENT					
	TOWN OF MARYLAND					
COUNTY: OTSEGO	REGION: 9	<b>APPROACH SLAB REINFORCEMENT PLAN</b>		DRAWING NO. ST-30		
				SHEET NO. 57 OF 68		

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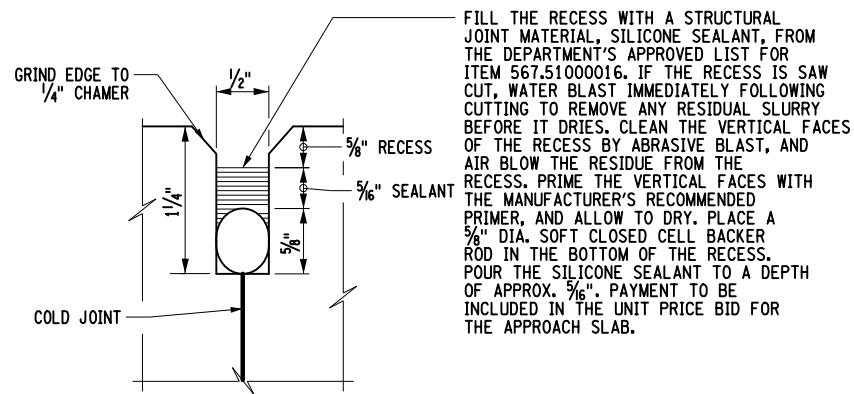


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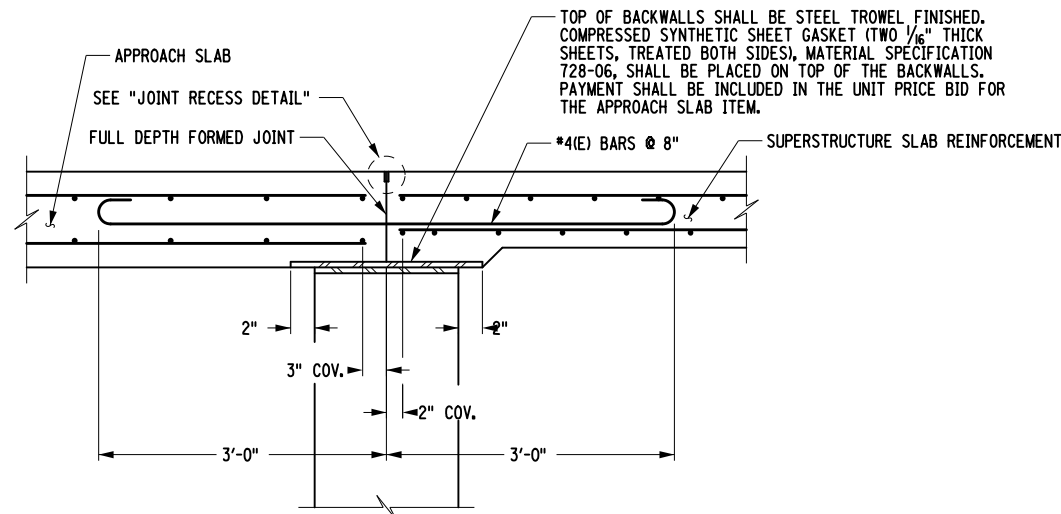
DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



SECTION B-B



JOINT RECESS DETAIL



SECTION A-A

NOTES:

- A. EXCAVATION FOR SLEEPER SLABS SHALL BE CAREFULLY MADE AFTER COMPACTED ABUTMENT EMBANKMENT IS IN PLACE. THE SLEEPER SLABS SHALL BE FOUNDED ON UNDISTURBED COMPACT MATERIAL OR RE-COMPACTED MATERIAL. NO LOOSE BACKFILL SHALL BE ALLOWED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE SLEEPER SLAB FROM TEMPORARY LOADINGS OR ANY CONDITION WHICH COULD CAUSE MOVEMENTS OR UNEVEN SETTLEMENT OF THE SLEEPER SLAB.
- B. TO PERMIT UNHINDERED LONGITUDINAL MOVEMENT OF SLAB, THE SURFACE OF THE SUBBASE COURSE MUST BE ACCURATELY CONTROLLED TO FOLLOW AND BE PARALLEL TO THE ROADWAY GRADE AND CROSS SLOPE. POLYETHYLENE CURING COVERS (WHITE OPAQUE) IN ACCORDANCE WITH MATERIAL SPECIFICATION SUBSECTION 711-04 SHALL BE PLACED ON THE FINISHED SUBBASE COURSE THE FULL WIDTH OF THE APPROACH SLAB PRIOR TO PLACEMENT OF THE REINFORCEMENT. THE CURING COVERS SHALL BE .004 in. THICK, AND LAPS SHALL BE 2 ft. MINIMUM.
- C. TOP OF SLEEPER SLABS SHALL BE STEEL TROWEL FINISHED AND COATED WITH A 0.04 in. NOMINAL THICKNESS OF PERFORMANCE GRADE ASPHALT AS INDICATED IN THE PROPOSAL, OR MATERIAL SPECIFICATION 702-3101. THE TOP OF SLEEPER SLABS SHALL FOLLOW THE CROSS SLOPE AND GRADE OF ROADWAY. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB ITEM.
- D. FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL, LIQUID SEALANT, FROM THE DEPARTMENT'S APPROVED LIST. THE MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED FOR THOSE SEALANTS THAT REQUIRES A PRIMER. THE CONCRETE SHALL CURE FOR MINIMUM OF 7 DAYS BEFORE JOINT IS SEALED. SEALING SHALL ONLY BE PERFORMED WHEN THE CONCRETE TEMPERATURE IS 40°F OR ABOVE. BOTH JOINT FACES SHALL BE SAND BLASTED TO ROUGHEN THE SURFACE AND TO REMOVE ALL SURFACE MOISTURE AND ANY OTHER MATERIAL THAT MAY INTERFERE WITH BOND.
- E. TOP SURFACES OF STRUCTURAL SLABS, APPROACH SLABS AND EXPOSED TOP SURFACES OF SLEEPER SLABS SHALL BE GROOVED UNDER THE SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE ITEM.
- F. COMPRESSED SYNTHETIC SHEET GASKET (TREATED BOTH SIDES), MATERIAL SPECIFICATION 728-06, TWO 0.06 in. THICK SHEETS. PRICE WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB ITEM.

NOTES:

1. ALL REINFORCEMENT SHALL HAVE 3 in. COVER UNLESS OTHERWISE NOTED.
2. (E) DENOTES EPOXY COATED BARS.
3. SEE DWG. NO. ST-29 FOR LOCATION OF SECTION A-A.
4. SEE DWG. NO. ST-32 FOR ADDITIONAL JOINT DETAILS AND THE JOINT OPENING TABLE.
5. SEE DWG. NO. ST-30 FOR LOCATION OF SECTION B-B.

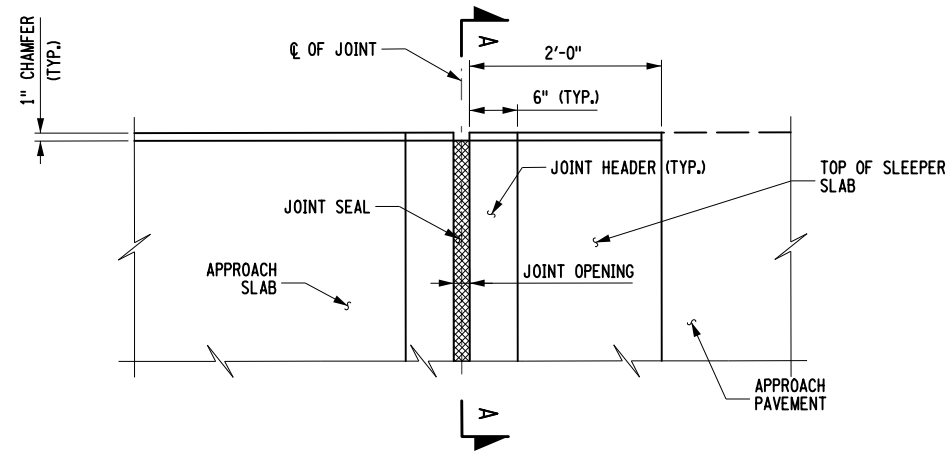
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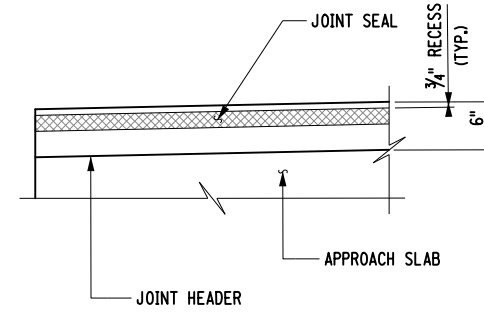
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				APPROACH SLAB DETAILS	DRAWING NO. ST-31
	BRIDGE REPLACEMENT					SHEET NO. 58 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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.





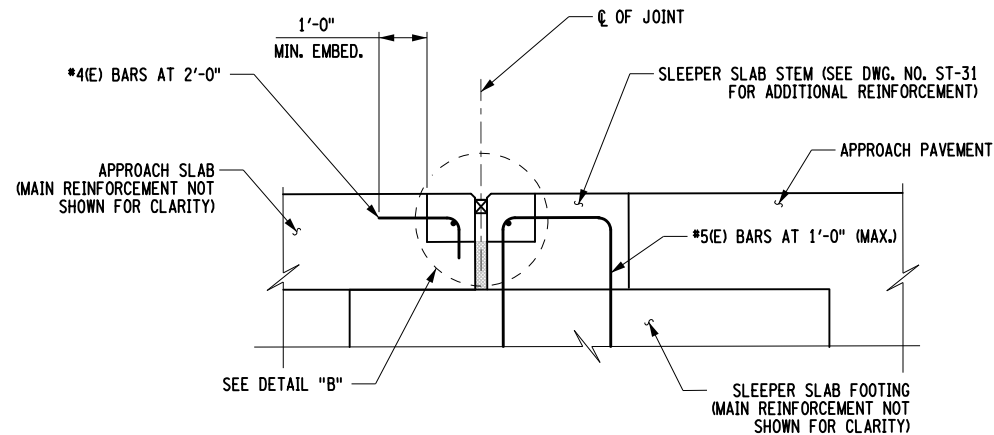
PARTIAL PLAN



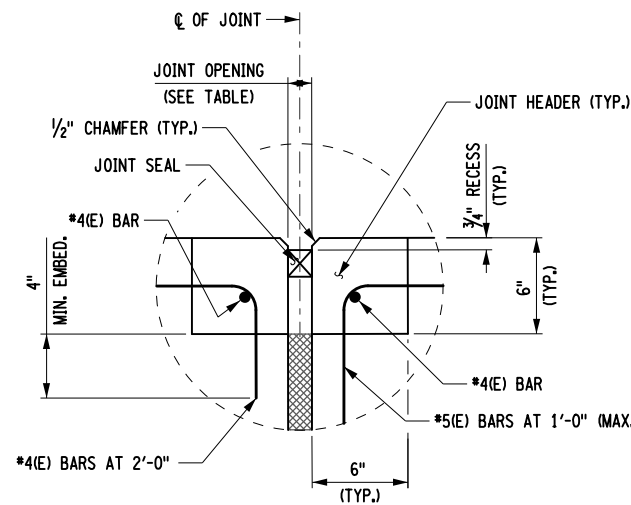
SECTION A-A

EXPANSION JOINT OPENING TABLE	
SUPERSTRUCTURE TEMPERATURE (°F)	JOINT OPENING (IN.)
30	2 1/4
35	2 1/4
40	2 1/8
45	2 1/8
50	2
55	2
60	2
65	1 7/8
70	1 7/8
75	1 3/4
80	1 3/4
85	1 3/4
90	1 5/8
95	1 5/8
100	1 1/2
105	1 1/2
110	1 3/8

NOTES:  
 MIN. OPENING (IN.) = 1.375.  
 MAX. OPENING / REQ. MIN. SEAL WIDTH (IN.) = 2.75  
 TOTAL MOVEMENT (IN.) = 1.375



SLEEPER SLAB TO APPROACH SLAB JOINT



DETAIL "B"

NOTES:

1. THE "JOINT OPENING" SHALL BE DETERMINED AT THE TIME OF PLACEMENT, USING THE TABLE PROVIDED ON THIS DRAWING.
2. THE CONTRACTOR SHALL SUPPLY A JOINT SEAL WITH AN UNCOMPRESSED WIDTH EQUAL TO OR GREATER THAN THE DIMENSION NOTED AS "MIN. SEAL WIDTH" IN THE TABLE ABOVE. THE SEAL SUPPLIED SHALL NOT EXCEED THE MANUFACTURERS COMPRESSION LIMITS AT THE "MINIMUM OPENING" NOTED IN THE TABLE.
3. THE SUPERSTRUCTURE TEMPERATURE USED TO DETERMINE THE JOINT OPENING SHALL BE THE AVERAGE TEMPERATURE OF THE BOTTOM OF THE GIRDER TOP FLANGES. A MINIMUM OF TWO TEMPERATURE READINGS PER SPAN SHALL BE USED TO CALCULATE THE AVERAGE SUPERSTRUCTURE TEMPERATURE.
4. ALL HEADER REINFORCEMENT SHALL HAVE A 2" MINIMUM COVER.
5. INCLUDE COST OF ELASTOMERIC CONCRETE JOINT HEADERS AND ARMORLESS JOINT SYSTEM IN THE UNIT PRICE BID FOR ITEM 567.60.

AFFIX SEAL: ON:      ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK				ARMORLESS JOINT DETAILS	DRAWING NO.    ST-32
	BRIDGE REPLACEMENT					SHEET NO.    59 OF 68
	TOWN OF MARYLAND					

COUNTY: OTSEGO	REGION: 9
----------------	-----------

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.

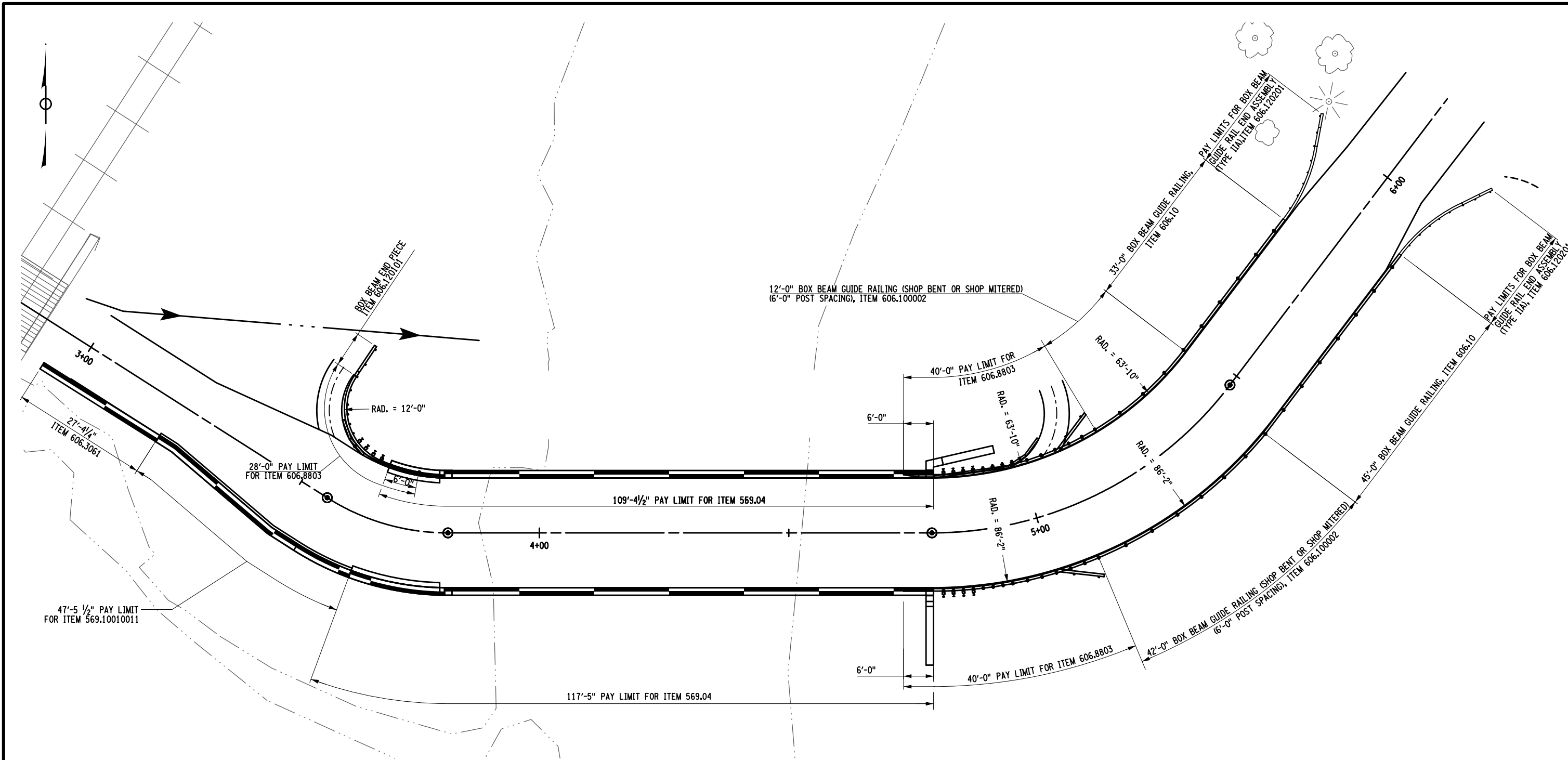


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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA      JOB MANAGER L. SANDA      DESIGN R. GENUNG      DRAFTING M. VALLETTA/XXX      CHECK L. SANDA      CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA

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 USER = RGenung

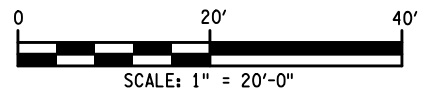
DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



PLAN

NOTES:  
 1. SEE DWG. NOS. ST-37, ST-38 AND ST-39 FOR ADDITIONAL BOX BEAM GUIDE RAIL TRANSITION TO SINGLE SLOPE (HALF SECTION) CONCRETE BARRIER DETAILS.

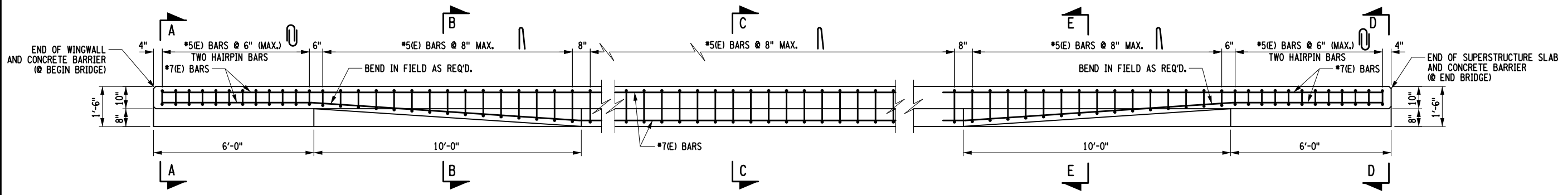
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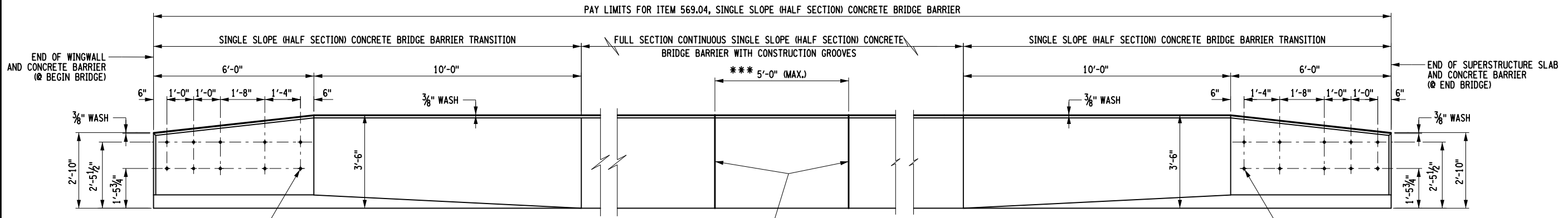
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					CONCRETE BARRIER AND STEEL RAIL LAYOUT PLAN
	BRIDGE REPLACEMENT					
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				
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.						
						MCFARLAND-JOHNSON, INC. 48 COURT STREET, SUITE 300 BRIDGEHARTLAND, NEW YORK 13813

CHECK S. FAULKNER/R. GENIUNG PROJECT MANAGER L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK L. SANDA  
 DESIGN R. GENIUNG  
 JOB MANAGER L. SANDA  
 DESIGN SUPERVISOR L. SANDA

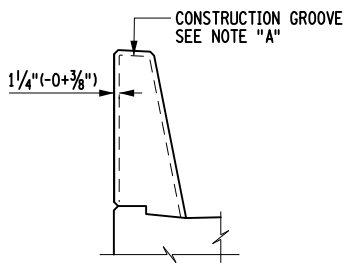
FILE NAME = \\s18825.000\Loft Road Bridge\Draw\Drawings\975519.opb.dtl.r1g.01.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung



SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER REINFORCEMENT PLAN  
NTS

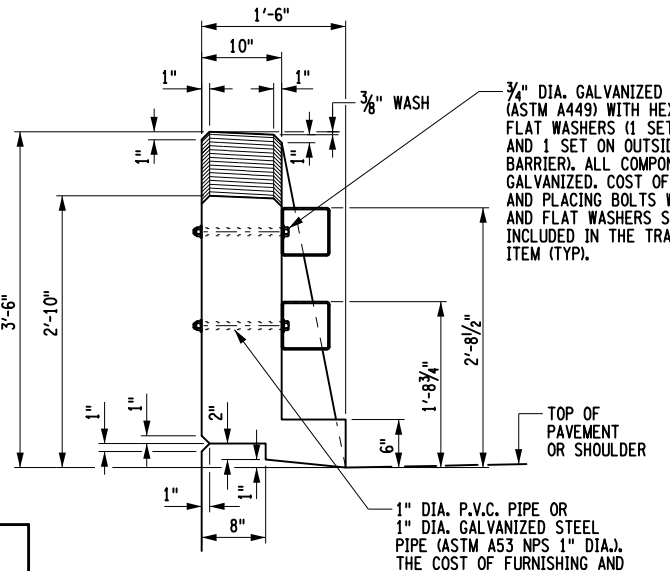


SINGLE SLOPE (HALF SECTION) CONCRETE BRIDGE BARRIER ELEVATION  
(NORTH BARRIER SHOWN, SOUTH BARRIER OPPOSITE HAND)  
NTS

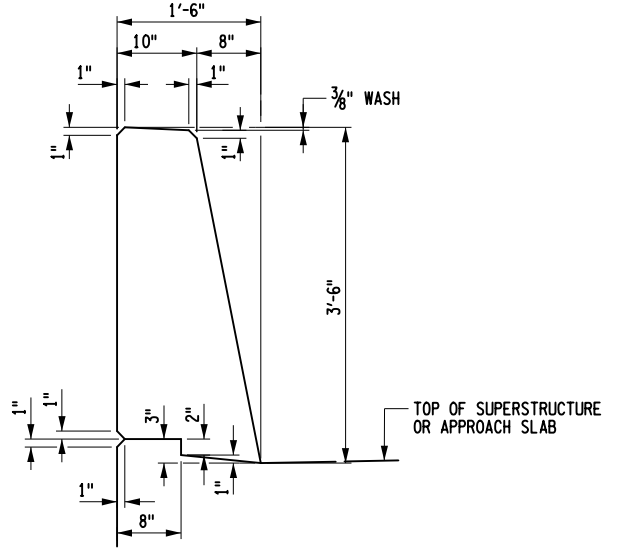


DETAIL A  
NTS

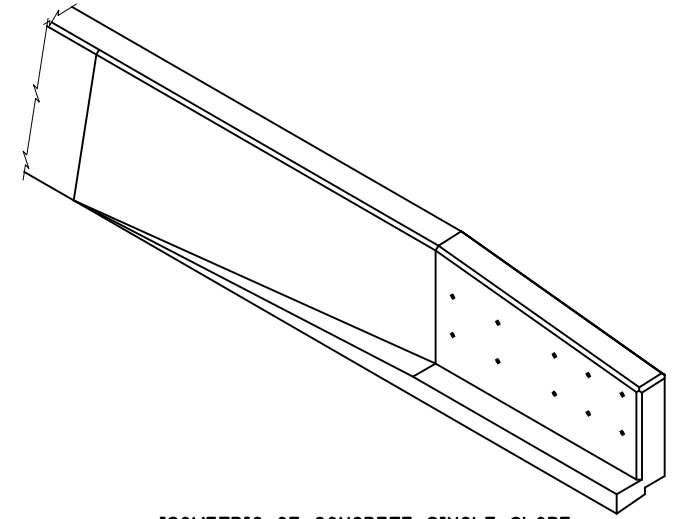
NOTE "A":  
 CONSTRUCTION GROOVES SHALL BE MADE BY:  
 1. FORMING FOR CAST-IN-PLACE CONSTRUCTED FORMS.  
 2. SAWING THE SET CONCRETE WITHIN 8 HOURS OF PLACEMENT FOR CAST-IN-PLACE SLIP FORMED.  
 3. CUTTING THE PLASTIC CONCRETE.  
 COMBINATION OF THESE METHODS MAY BE EMPLOYED.  
 THE DEPTH OF THE GROOVES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



TYPICAL BRIDGE BARRIER TRANSITION END SECTION  
(MASONRY)  
NTS



TYPICAL FULL BRIDGE BARRIER SECTION  
(MASONRY)  
NTS



ISOMETRIC OF CONCRETE SINGLE SLOPE  
(HALF SECTION) CONCRETE BRIDGE BARRIER END SECTION  
NTS

NOTES:  
 1. SEE DWG. NO. ST-35 FOR SECTIONS A-A THRU E-E.

AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_



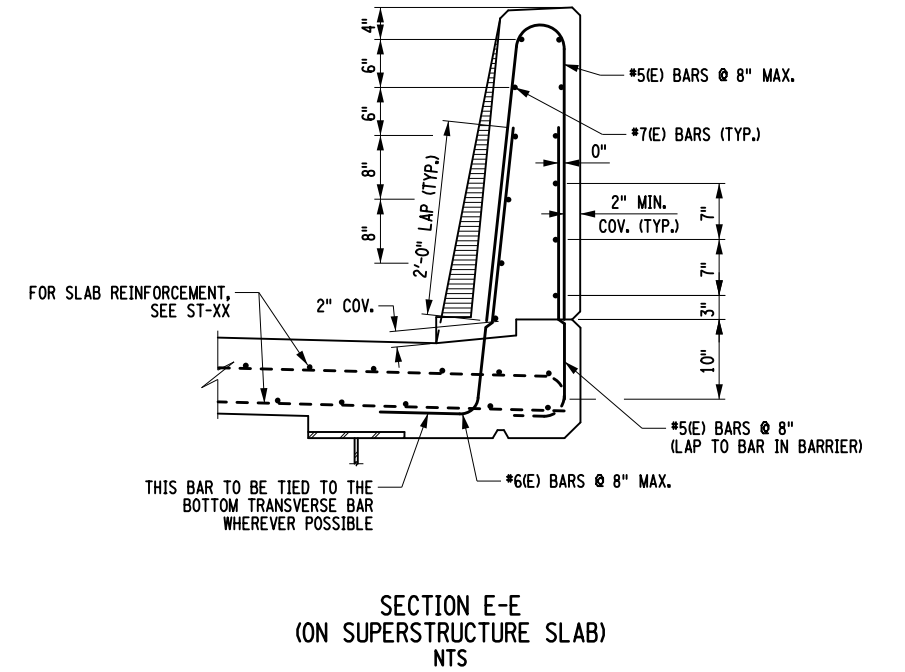
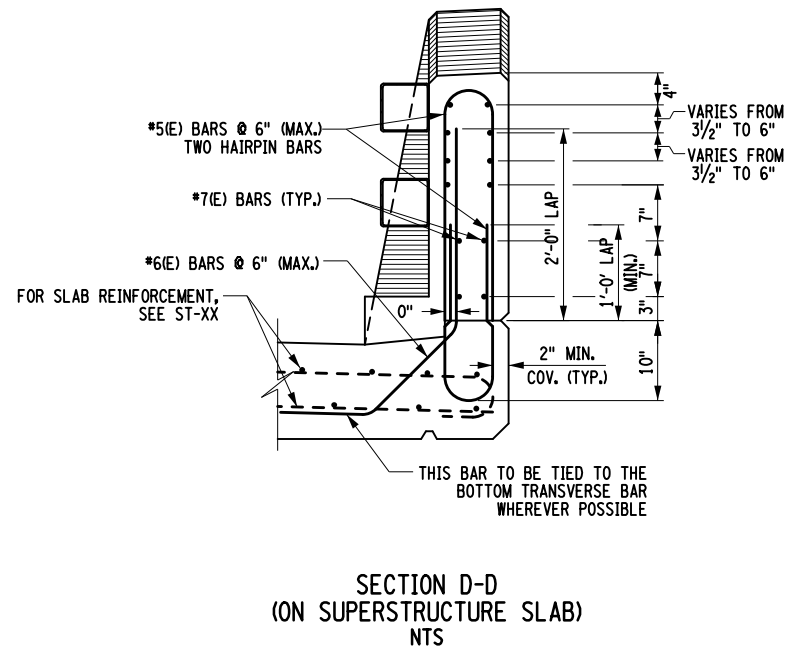
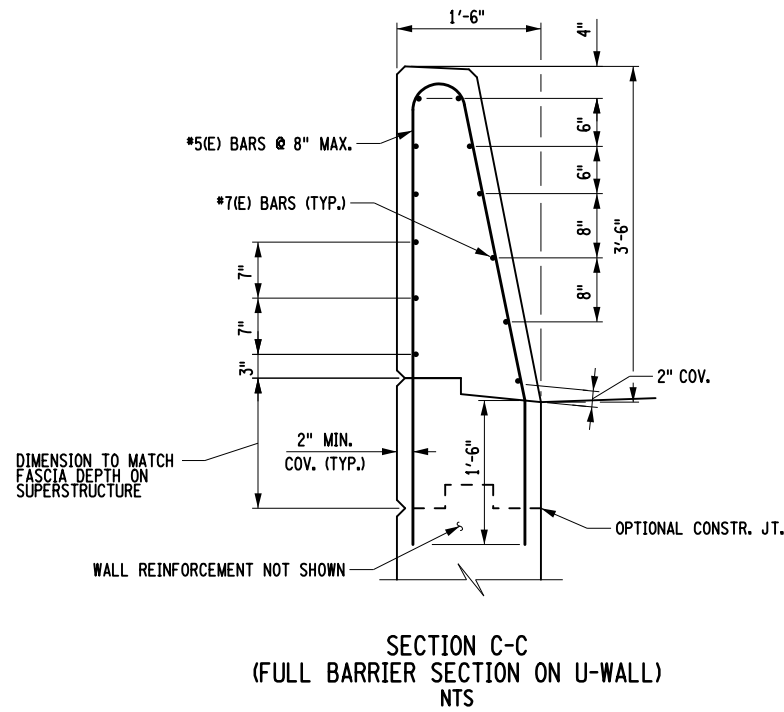
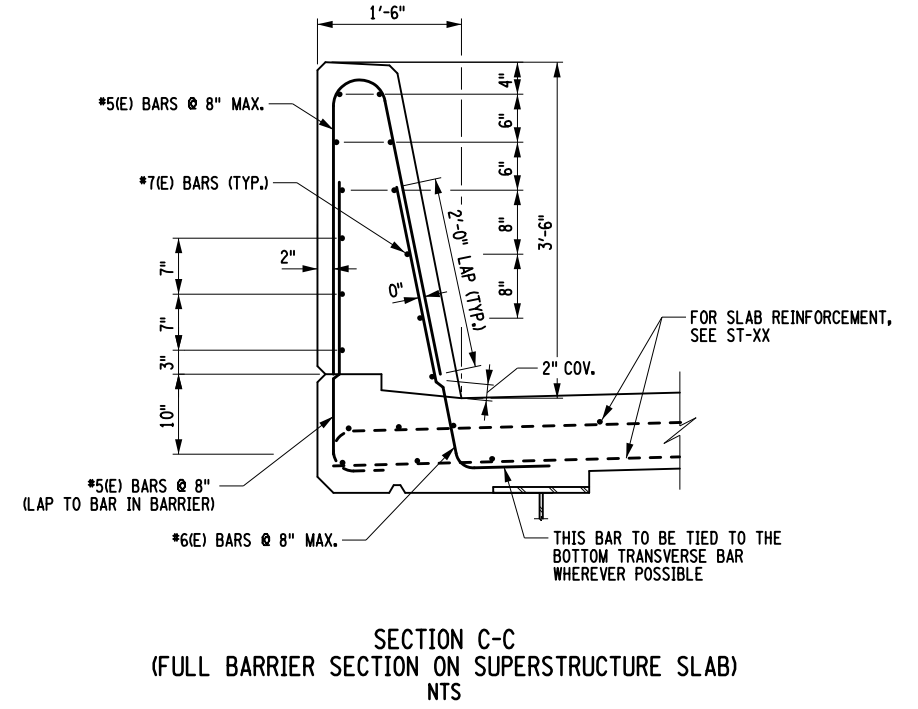
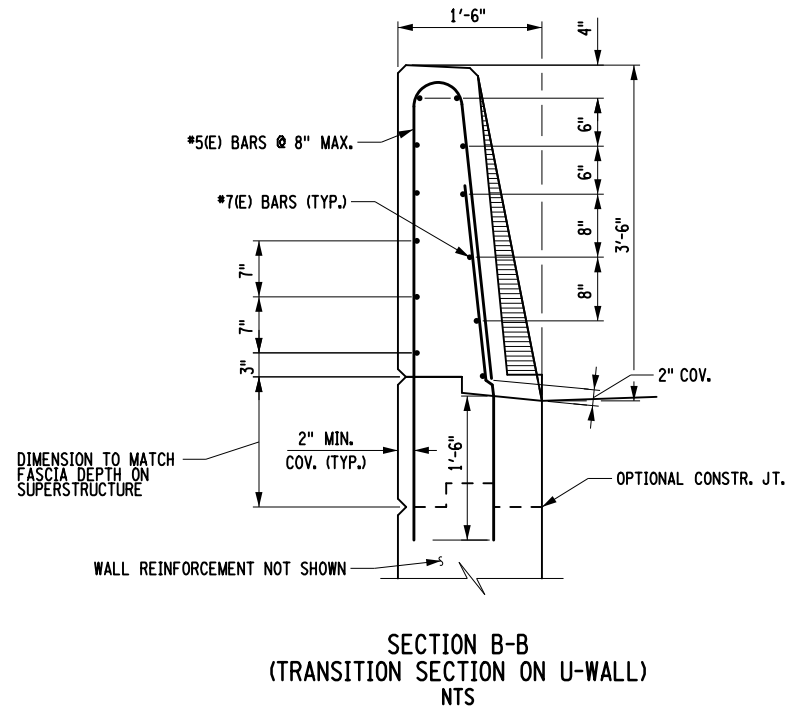
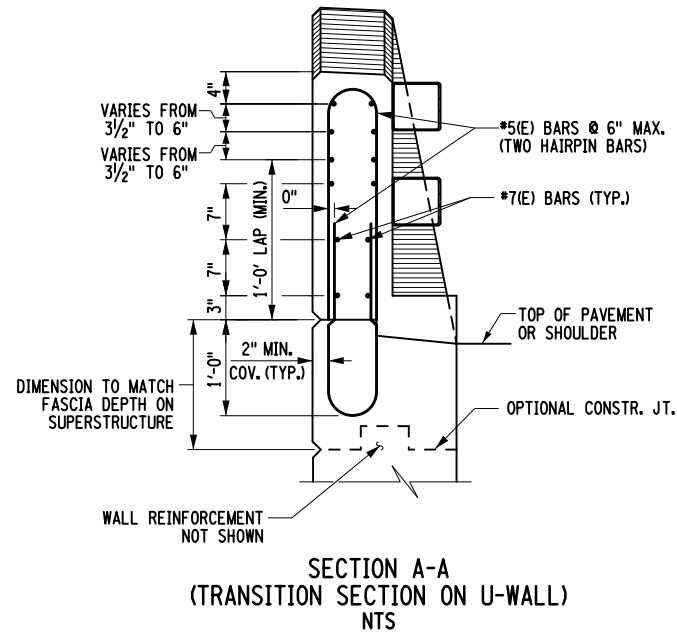
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					
	BRIDGE REPLACEMENT					
	TOWN OF MARYLAND					
COUNTY: OTSEGO	REGION: 9	CONCRETE BARRIER DETAILS (1 OF 3)		DRAWING NO. ST-34		

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



FILE NAME = M:\18825.000 Loft Road Bridge Drawings\975519.opb.dtl.r1g.02.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA JOB MANAGER L. SANDA DESIGN R. GENUNG DRAFTING M. VALLETTA/XXX CHECK L. SANDA CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



NOTES:  
 1. SEE DWG. NO. ST-34 FOR LOCATION OF SECTIONS A-A THRU E-E AND ADDITIONAL DETAILS.

AFFIX SEAL: ON:	ALTERED BY: ON:

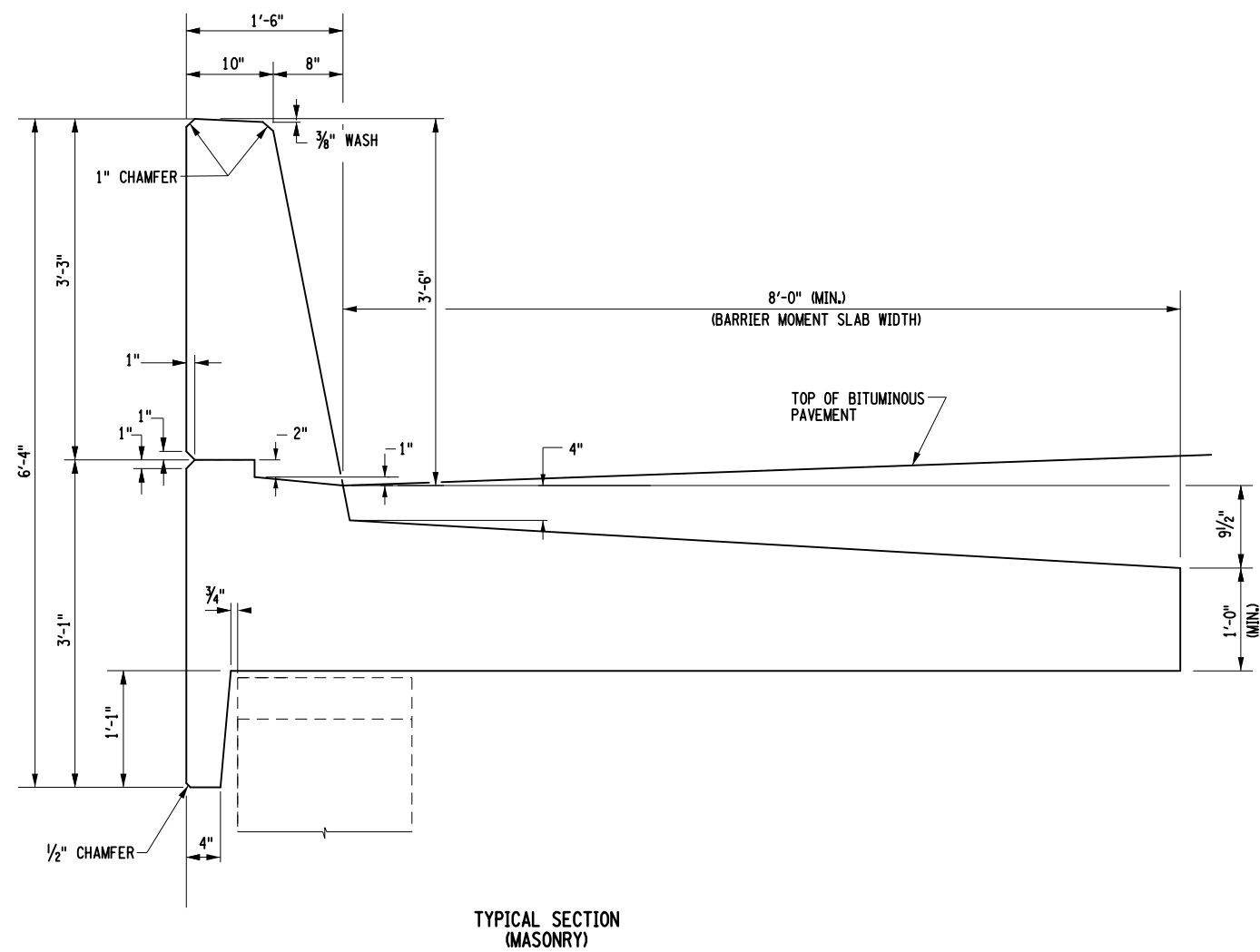
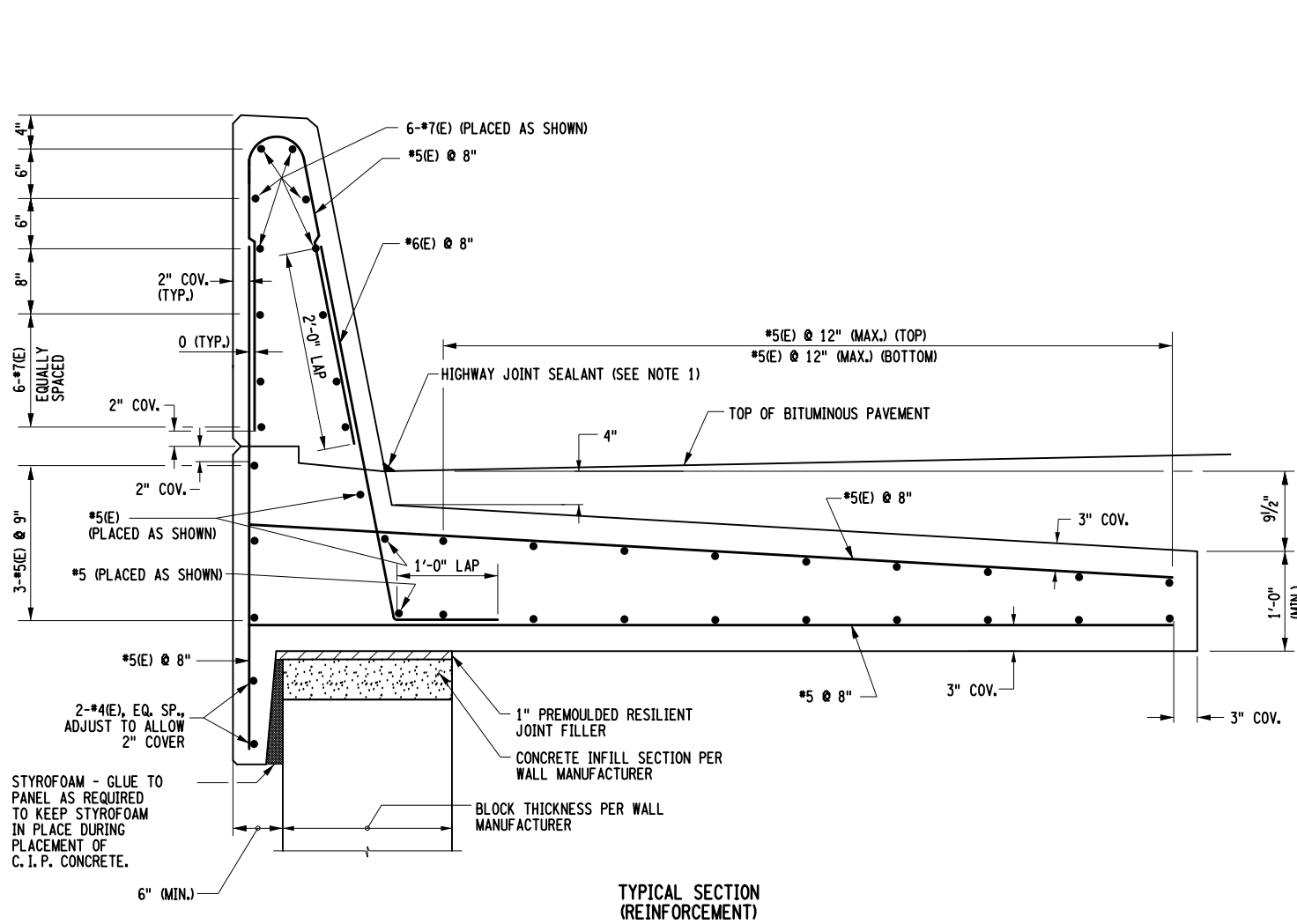
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					CONCRETE BARRIER DETAILS (2 OF 3)
	BRIDGE REPLACEMENT				SHEET NO. 62 OF 68	
	TOWN OF MARYLAND	COUNTY: OTSEGO	REGION: 9			

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 = M:\18825.00\Loft Road Bridge\Drawings\975519\_opb.dtl\_r1g\_06.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



SINGLE SLOPE (HALF SECTION) BRIDGE BARRIER  
 WITH MOMENT SLAB  
 (ITEM 569.10010011)  
 NTS

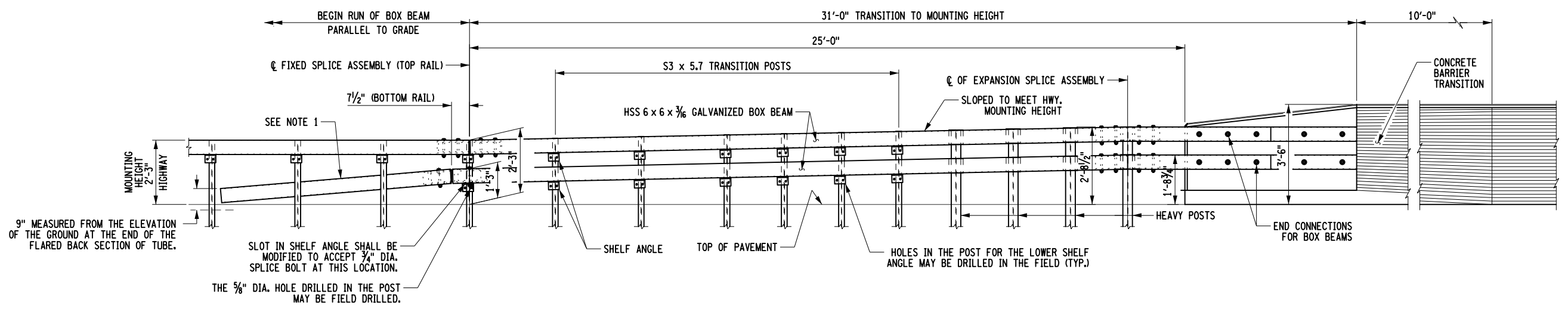
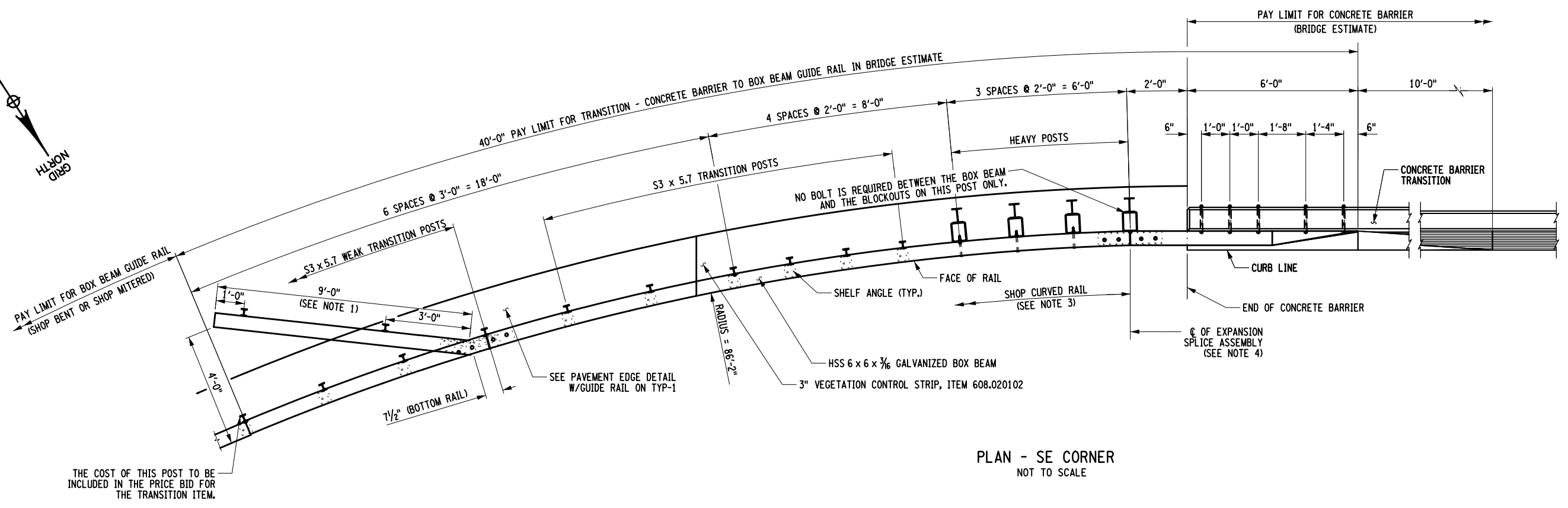
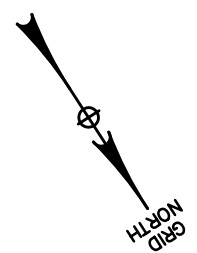
- NOTES:  
 1. HIGHWAY JOINT SEALANT - ASTM D6690, TYPE II APPEARING ON THE NYS DEPARTMENT'S APPROVED LIST.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD OVER SCHENEVUS CREEK BRIDGE REPLACEMENT TOWN OF MARYLAND COUNTY: OTSEGO	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
<b>CONCRETE BARRIER DETAILS (3 OF 3)</b>					DRAWING NO. ST-36 SHEET NO. 63 OF 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 = M:\18825.000 Loft Road Bridge Drawings\975519.opb.dtl.r1g.07.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



- NOTES:
1. THE COST OF THE POSTS, SPLICE TUBE AND RAIL FOR THE TURNBACK IS INCLUDED IN THE PRICE BID FOR THE TRANSITION ITEM.
  2. ANY MODIFICATIONS MADE IN THE FIELD THAT DAMAGES GALVANIZATION SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01 OF THE NYS STANDARD SPECIFICATIONS.
  3. COST OF SHOP CURVED RAIL SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 606.8803.
  4. RAILING FABRICATOR SHALL MODIFY THE SPLICE DETAIL AT THIS LOCATION TO ACCOMMODATE THE RADIUS.

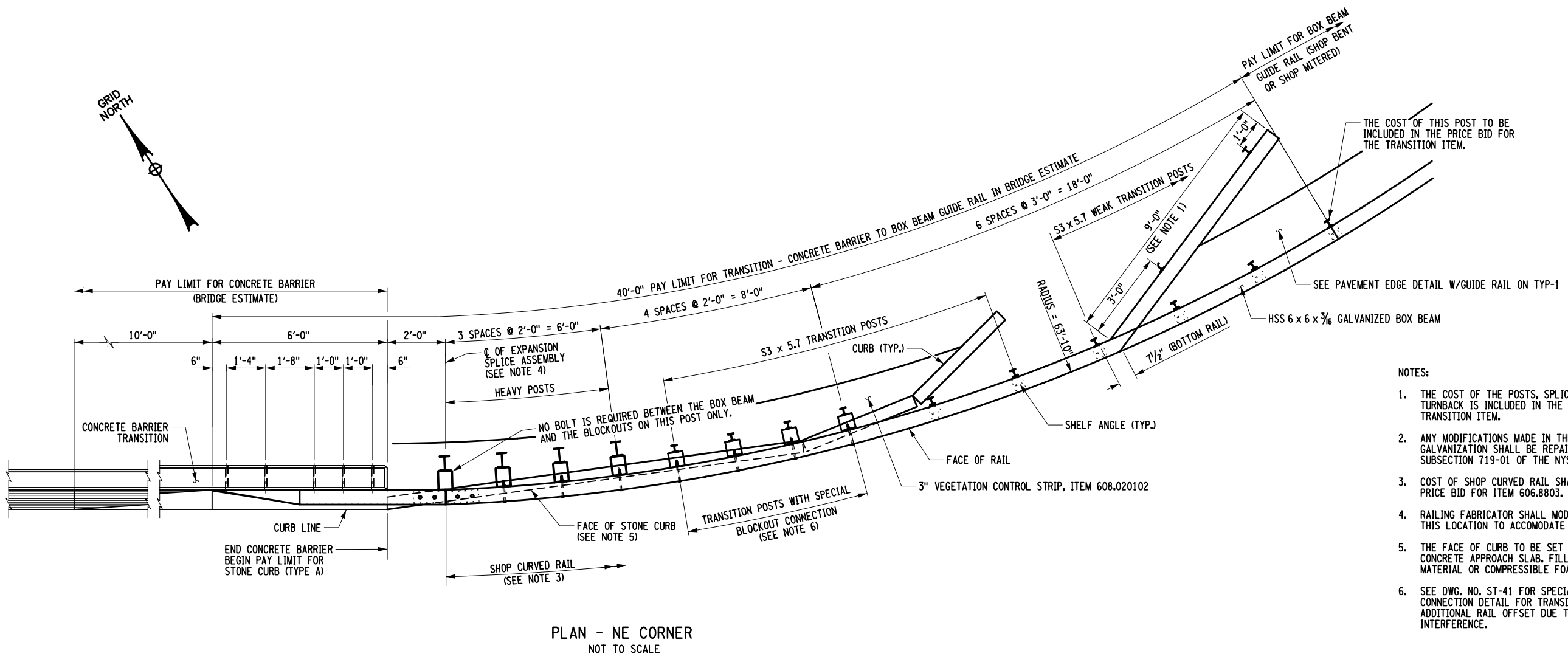
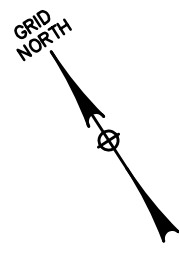
AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:		LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
		OVER SCHENEVUS CREEK				BOX BEAM GUIDE RAIL TRANSITION TO SINGLE SLOPE (HALF SECTION) CONCRETE BARRIER I	DRAWING NO. ST-37
		BRIDGE REPLACEMENT					SHEET NO. 64 OF 68
		TOWN OF MARYLAND					
		COUNTY: OTSEGO	REGION: 9				
<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>							

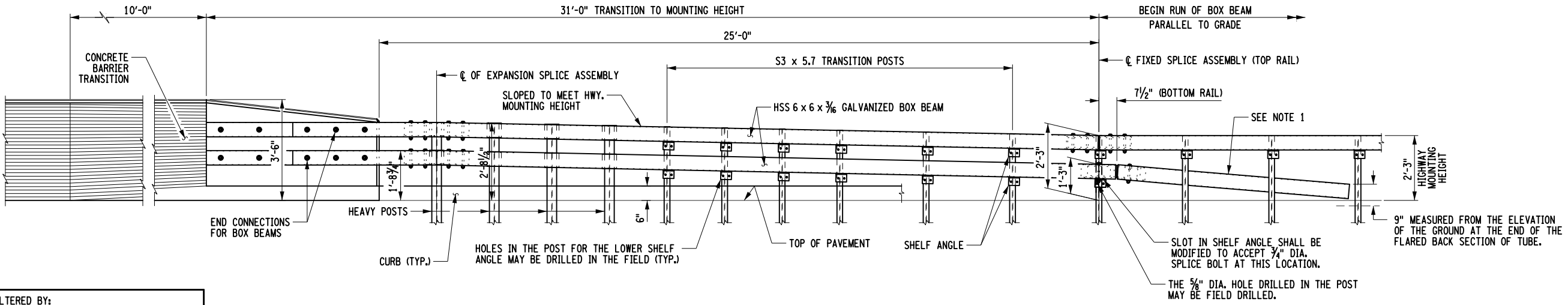


FILE NAME = M:\18825.000\Loft Road Bridge\Drawings\975519.opb.dtl\_r1g\_08.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



- NOTES:
1. THE COST OF THE POSTS, SPLICE TUBE AND RAIL FOR THE TURNBACK IS INCLUDED IN THE PRICE BID FOR THE TRANSITION ITEM.
  2. ANY MODIFICATIONS MADE IN THE FIELD THAT DAMAGES GALVANIZATION SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01 OF THE NYS STANDARD SPECIFICATIONS.
  3. COST OF SHOP CURVED RAIL SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 606.8803.
  4. RAILING FABRICATOR SHALL MODIFY THE SPLICE DETAIL AT THIS LOCATION TO ACCOMMODATE THE RADIUS.
  5. THE FACE OF CURB TO BE SET WITH 2" GAP FROM EDGE OF CONCRETE APPROACH SLAB. FILL GAP WITH BITUMINOUS MATERIAL OR COMPRESSIBLE FOAM.
  6. SEE DWG. NO. ST-41 FOR SPECIAL BLOCKOUT AND RAIL CONNECTION DETAIL FOR TRANSITION POSTS REQUIRING ADDITIONAL RAIL OFFSET DUE TO STONE CURB INTERFERENCE.



DEVELOPED - NE ELEVATION  
 CONCRETE BARRIER TO BOX BEAM GUIDE RAIL TRANSITION  
 NOT TO SCALE

AFFIX SEAL: ON:	ALTERED BY: ON:

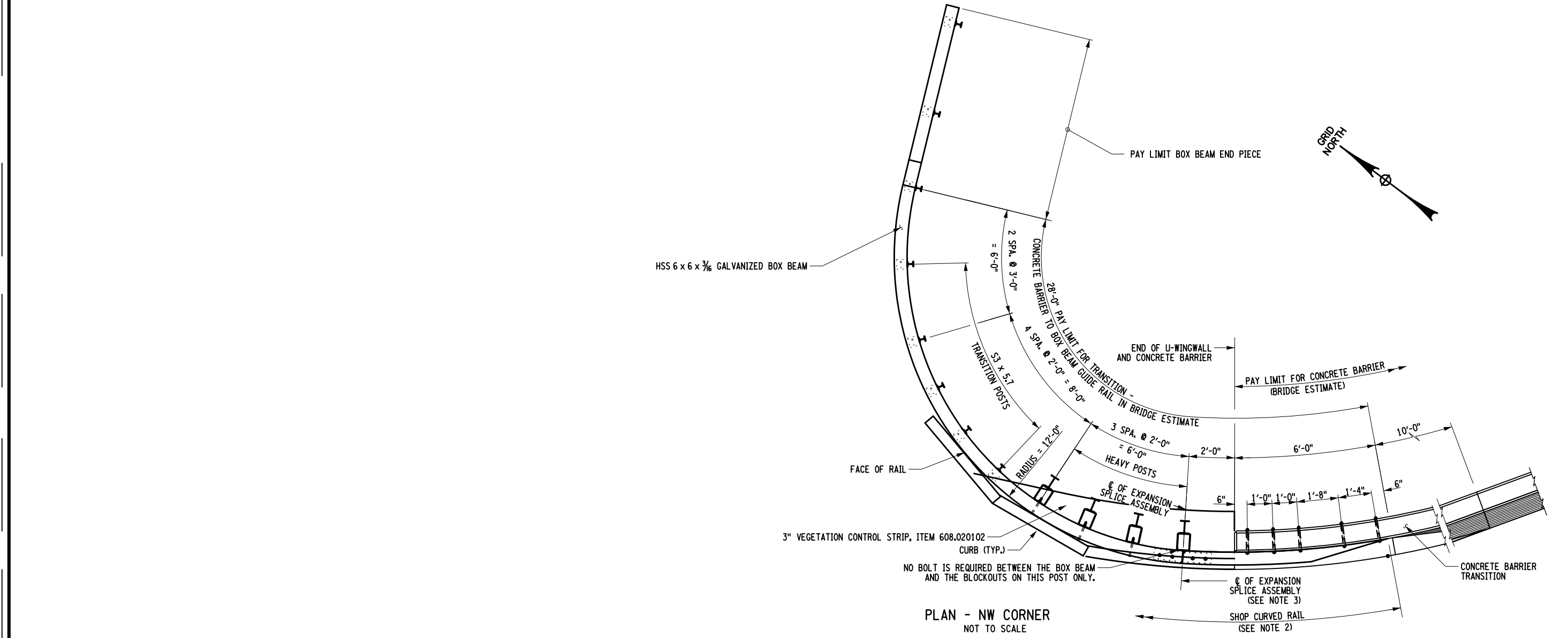
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					BOX BEAM GUIDE RAIL TRANSITION TO SINGLE SLOPE (HALF SECTION) CONCRETE BARRIER II
	BRIDGE REPLACEMENT	TOWN OF MARYLAND	REGION: 9			
		COUNTY: OTSEGO				

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.

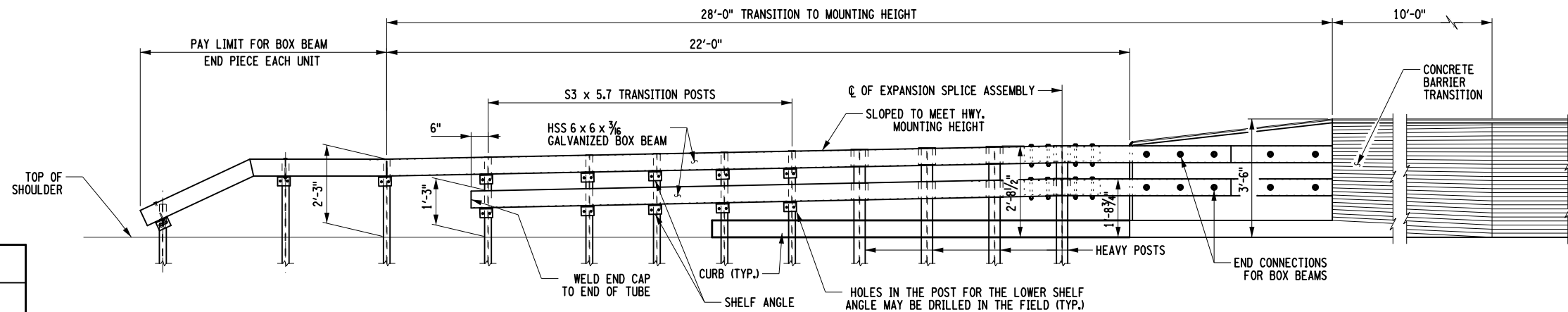


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 DATE/TIME = 5/13/2026  
 USER = RGenung

DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



- NOTES:
1. ANY MODIFICATIONS MADE IN THE FIELD THAT DAMAGES GALVANIZATION SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01 OF THE NYS STANDARD SPECIFICATIONS.
  2. COST OF SHOP CURVED RAIL SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 606.8803.
  3. RAILING FABRICATOR SHALL MODIFY THE SPLICE DETAIL AT THIS LOCATION TO ACCOMODATE THE RADIUS.



AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_



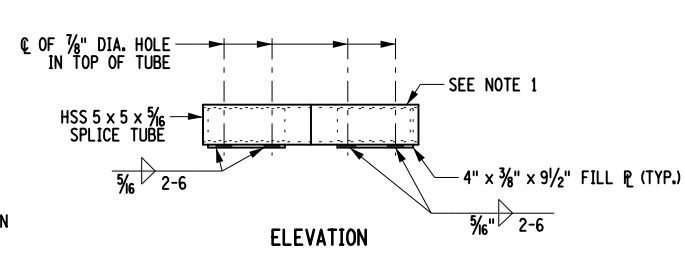
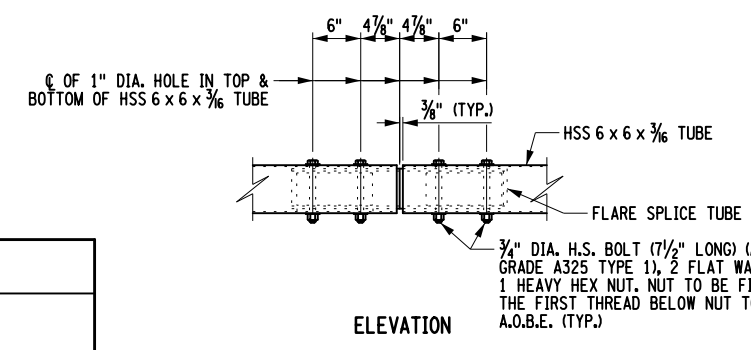
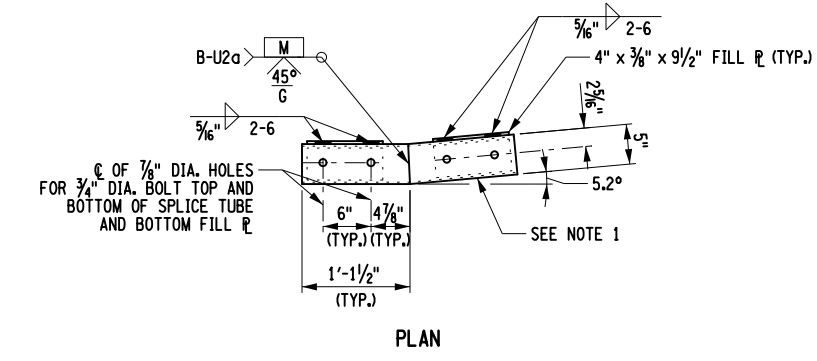
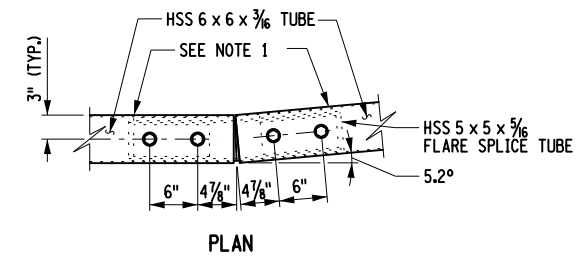
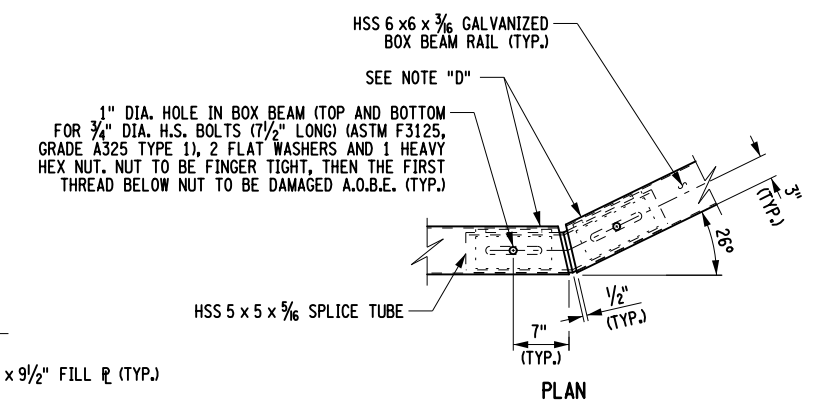
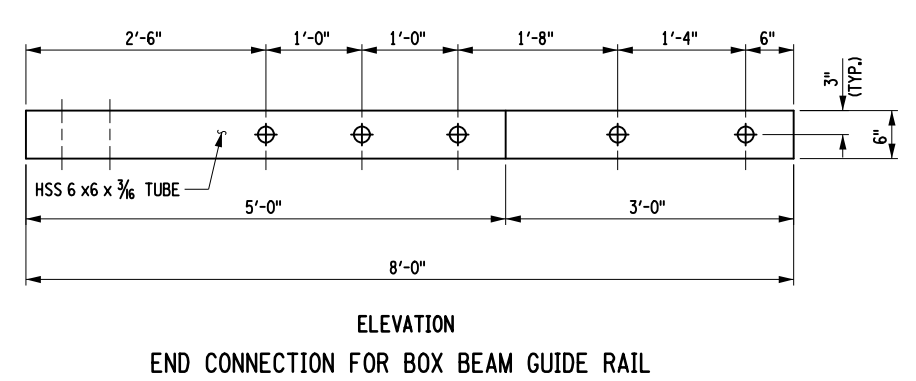
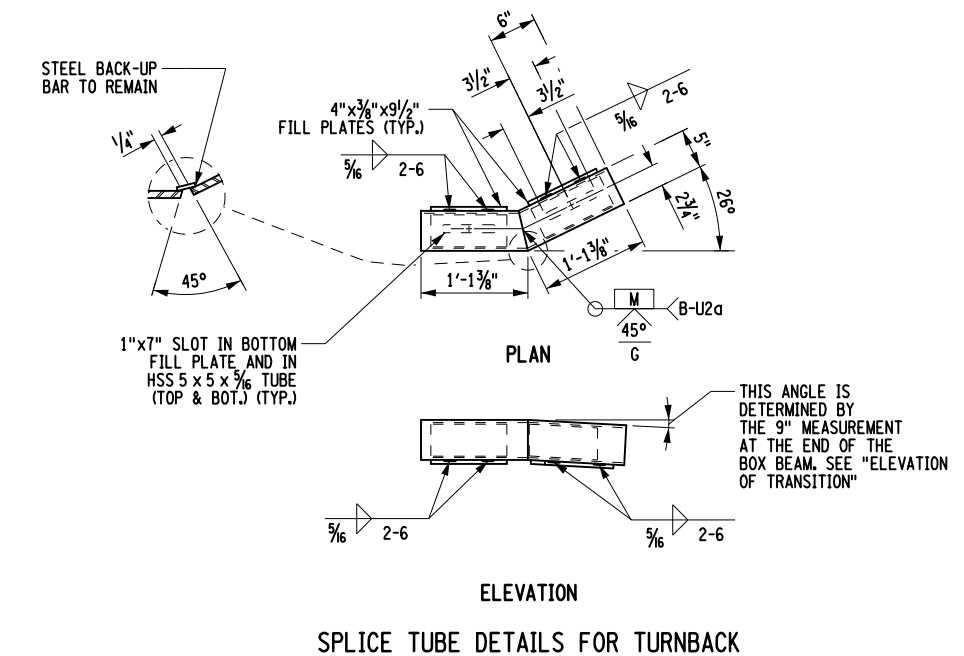
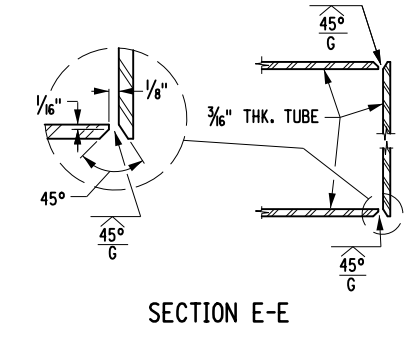
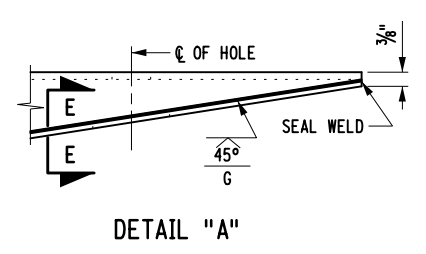
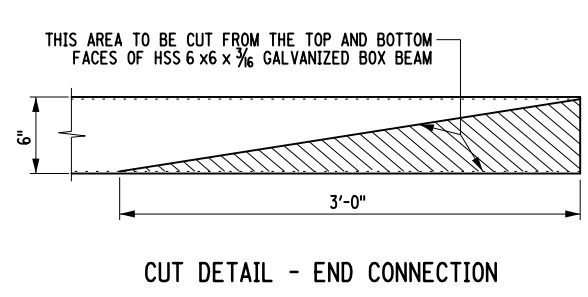
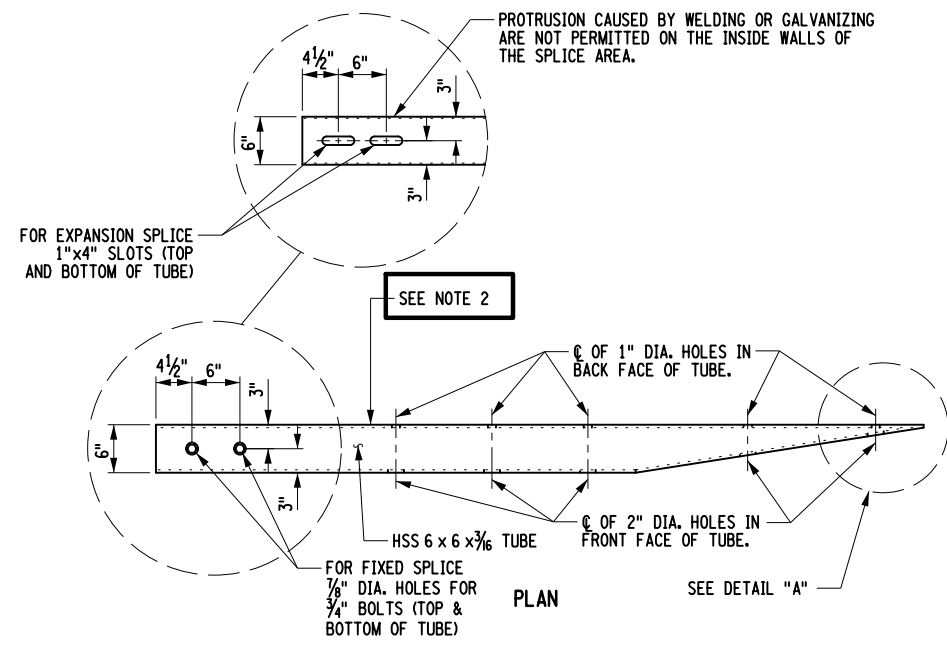
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					BOX BEAM GUIDE RAIL TRANSITION TO SINGLE SLOPE (HALF SECTION) CONCRETE BARRIER III
	BRIDGE REPLACEMENT					
	TOWN OF MARYLAND	REGION: 9				

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CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK L. SANDA  
 DESIGN R. GENUNG  
 JOB MANAGER L. SANDA  
 DESIGN SUPERVISOR L. SANDA

FILE NAME = M:\18825.00 Loft Road Bridge Drawings\975519.opb.dtl.rlg\_04.dgn  
 DATE/TIME = 5/13/2026  
 USER = RGenung



- NOTES:
- PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.
  - THE END CONNECTION DETAIL FOR THE NORTHWEST (BEGIN LEFT) BOX BEAM TRANSITION TO CONCRETE BARRIER SHALL BE FABRICATED FROM BOX BEAM SHOP CURVED TO MATCH THE FACE OF CONCRETE BARRIER.

AFFIX SEAL: ON: \_\_\_\_\_

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

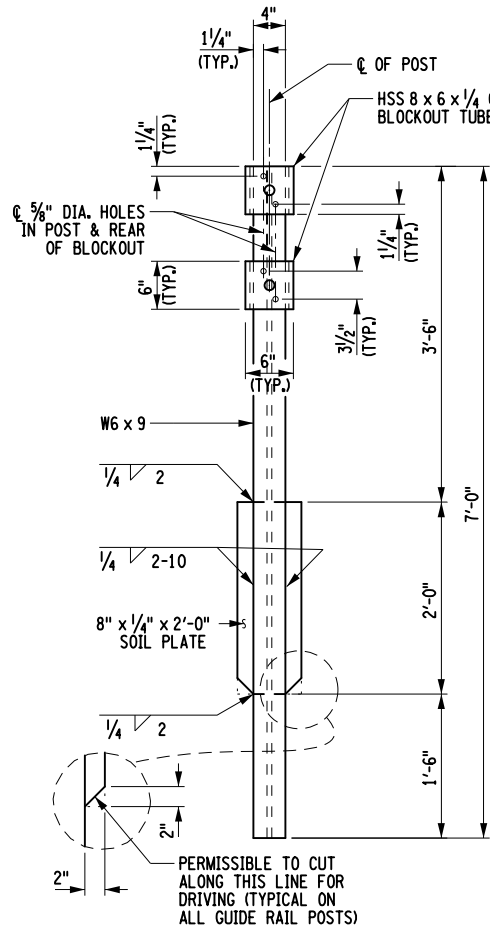
AS-BUILT REVISIONS	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
DESCRIPTION OF ALTERATIONS:	OVER SCHENEVUS CREEK				BOX BEAM SPLICE DETAILS	DRAWING NO. ST-40
	BRIDGE REPLACEMENT					SHEET NO. 67 OF 68
	TOWN OF MARYLAND					
	COUNTY: OTSEGO	REGION: 9				

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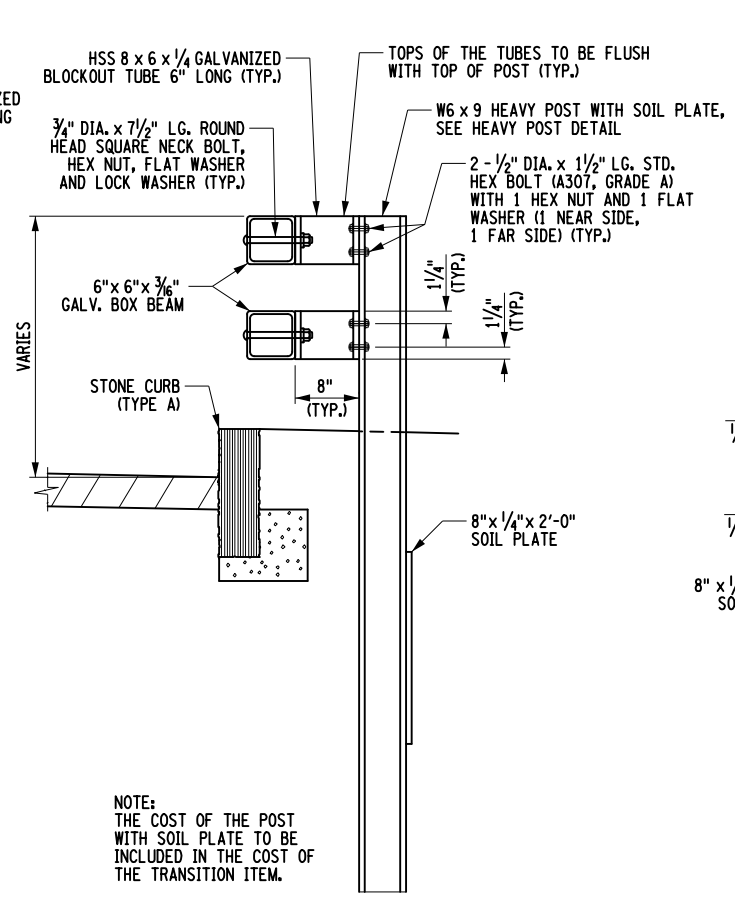


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 USER = RGenung

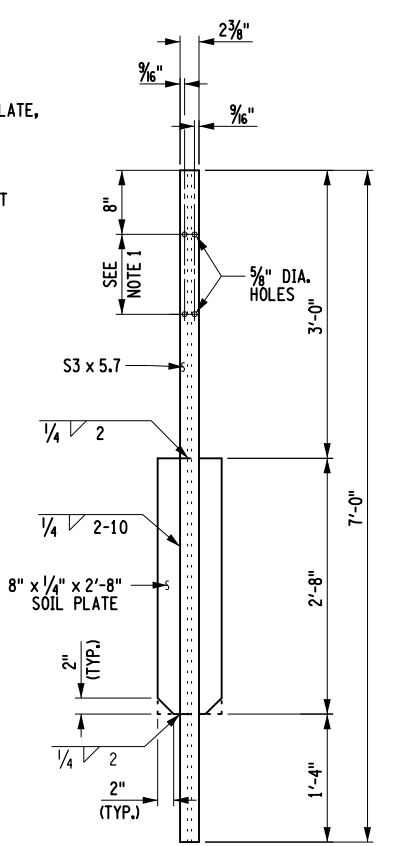
DESIGN SUPERVISOR L. SANDA  
 JOB MANAGER L. SANDA  
 DESIGN R. GENUNG  
 CHECK L. SANDA  
 DRAFTING M. VALLETTA/XXX  
 CHECK S. FAULKNER/R. GENUNG PROJECT MANAGER L. SANDA



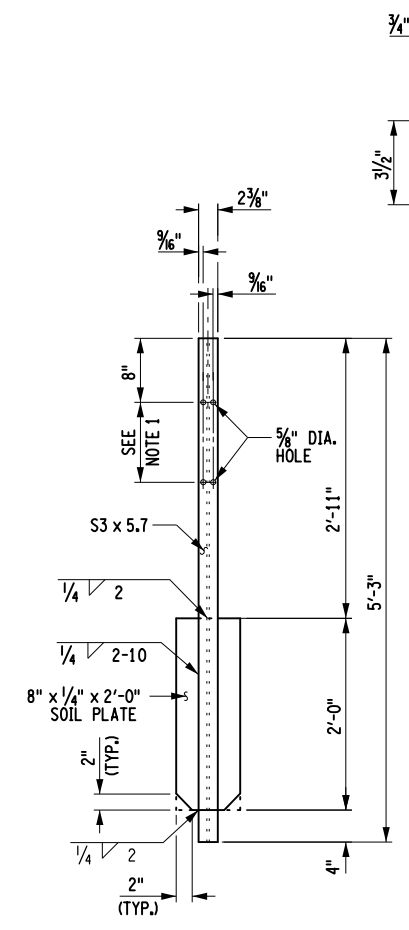
HEAVY POST DETAIL



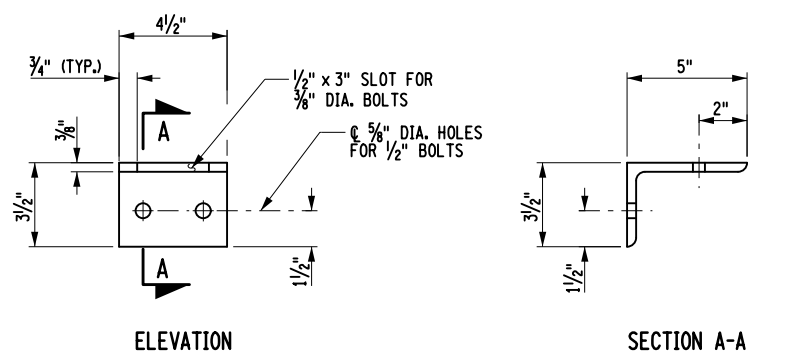
HEAVY POST ELEVATION



TRANSITION POST DETAIL

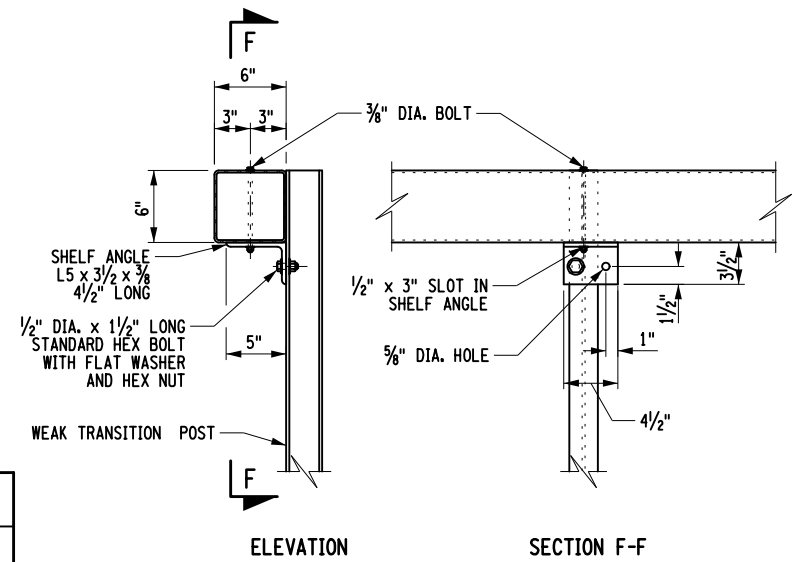


WEAK TRANSITION POST DETAIL

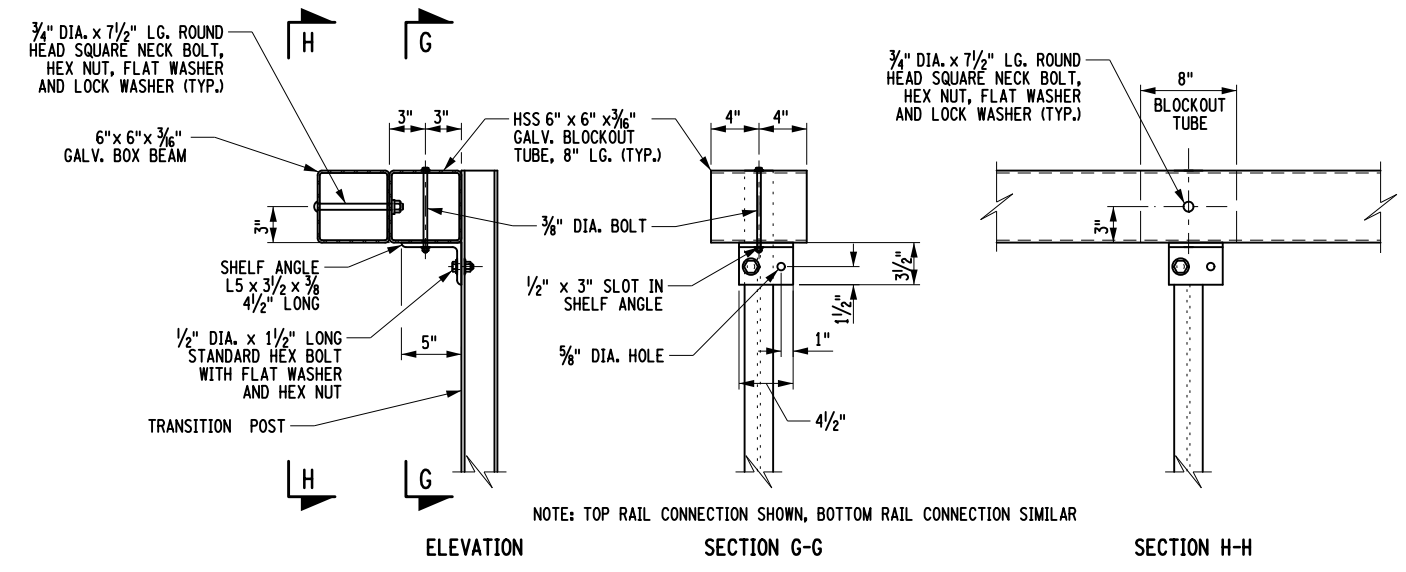


SHELF ANGLE DETAILS

- NOTES:
- 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.



TYPICAL RAIL TO WEAK TRANSITION POST CONNECTION DETAILS



SPECIAL BLOCKOUT AND RAIL TO TRANSITION POST CONNECTION DETAILS

AFFIX SEAL: ON: \_\_\_\_\_  
 ALTERED BY: ON: \_\_\_\_\_

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOFT ROAD	PIN 9755.19	BRIDGES 2227620	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER LD040434
	OVER SCHENEVUS CREEK					DRAWING NO. ST-41
	BRIDGE REPLACEMENT				SHEET NO. 68 OF 68	
	TOWN OF MARYLAND	REGION: 9				

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McFARLAND-JOHNSON, INC.  
 46 COURT STREET, SUITE 200  
 BRIDGEHARTON, NEW YORK 13021