REVIEWER NOTES:	
I. NO ADDITIONAL ROW WILL BE ACQ Assumed row shown, vtrans to	
2. TRAFFIC WILL BE MAINTAINED ON Detour signed by the town.	AN OFF-SITE
3. THE PROJECT WILL BE CONSTRUCT 60-DAY CLOSURE.	ED UNDER A
4. CURRENT SPEED LIMIT IS UNPOST SUGGESTS A POSTED SPEED OF 35 DISCUSSED WITH THE TOWN.	
5. FINAL HYDRAULICS HAS NOT BEEN PROPOSED STRUCTURE MEETS THE OF PRELIMINARY HYDRAULICS.	
	ROUTE NO : T
	PROJ
	PROJ
	LENG
	BEGIN PROJECT STA 6+15.00
BEC	SIN APPROACH STA 5+50.00
	T-H3
	TO NEWBURY
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2018, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON APRIL 13, 2018 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND	6+00
SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.	COCOCOCC REMOVED
QUALITY ASSURANCE PROGRAM : LEVEL 2	BEGIN BRIDGE STA 6+43.55
SURVEYED BY : VSE SURVEYED DATE : 11-20-2013	
DATUM VERTICAL NAVD 88 (GEOIDI2A) FT	SCALE = 1" = 20'-0"
HORIZONTAL NAD 832011) SFT	$\begin{array}{c} 3CALL - T = 20 \\ 0 \\ 20 \\ 40 \\ \end{array}$

STATE OF VERMONT AGENCY OF TRANSPORTATION

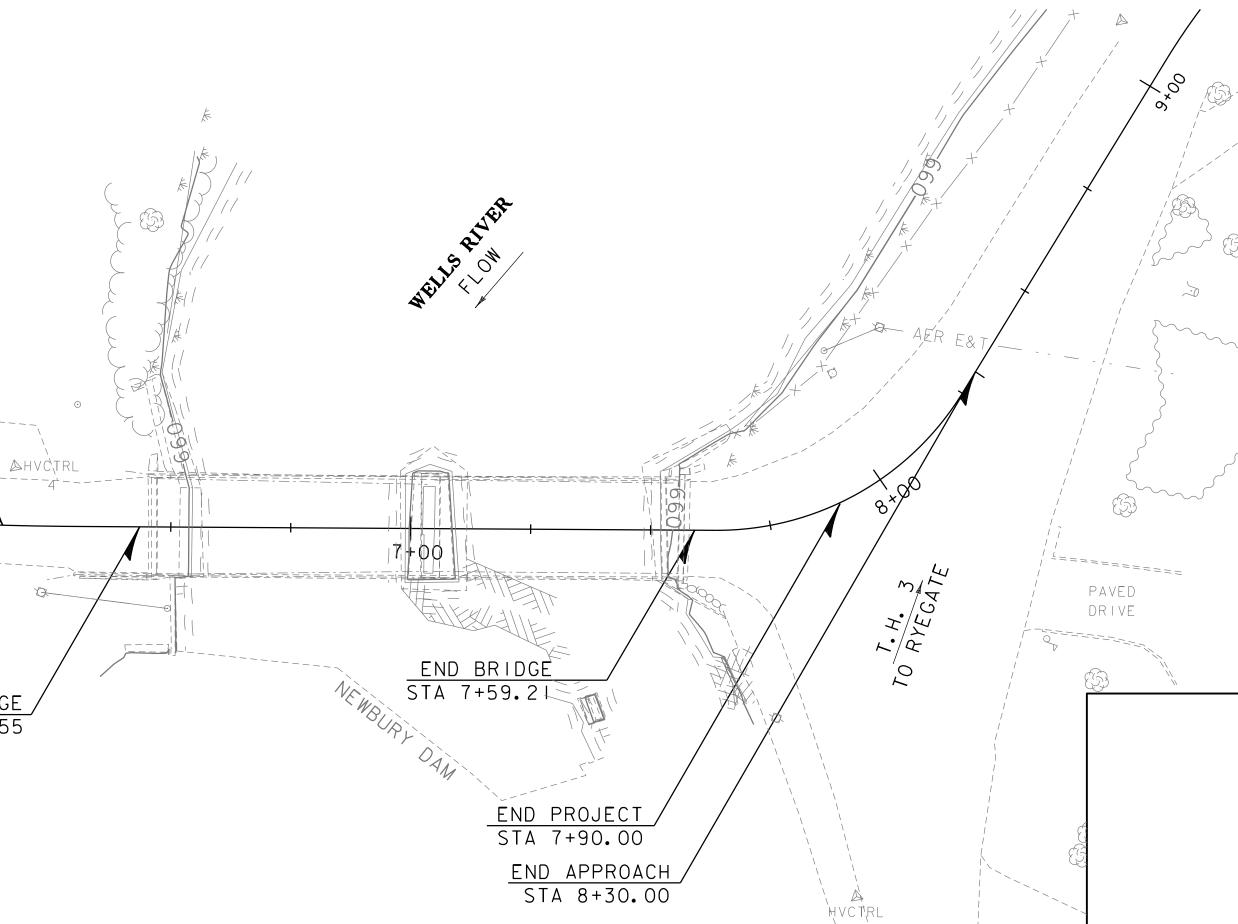


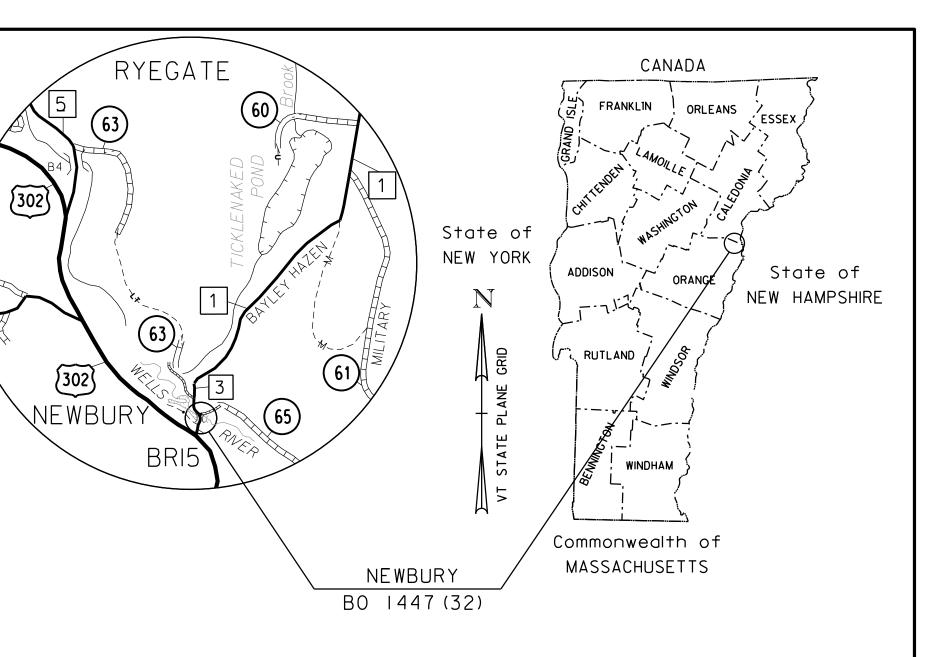
PROPOSED IMPROVEMENT

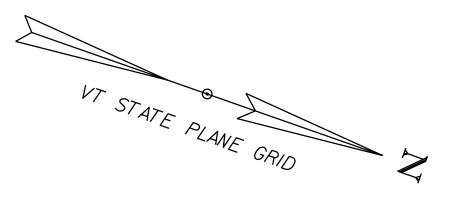
BRIDGE PROJECT TOWN OF NEWBURY COUNTY OF ORANGE

TOWN HIGHWAY 3, LOCAL ROAD, CLASS 2 TOWN HIGHWAY BRIDGE NO : 15 PROJECT LOCATION: THE PROJECT IS LOCATED ON T.H. 3, 0.8 MILES NORTH OF THE INTERSECTION WITH US ROUTE 302. PROJECT DESCRIPTION: REPLACEMENT OF EXISTING SUPERSTRUCTURE WITH NECESSARY APPROACH WORK.

GTH	OF	STRUCTURE:	115.66	FEET
GTH	OF	ROADWAY:	59.34	FEET
GTH	OF	PROJECT:	175.00	FEET







PRELIMINARY PLANS 12/13/2019

	DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATOR
	APPROVED DATE
¢	HIGHWAY DIVISION, CHIEF ENGINEER
() Stantec	APPROVED DATE
	PROJECT MANAGER : TODD SUMNER
Stantec Consulting Services Inc. 55 Green Mountain Drive South Burlington VT U.S.A. 05403 Phone: (802) 864-0223 Fax: (802) 864-0165	PROJECT NAME : NEWBURY PROJECT NUMBER : BO 1447(32)
www.stantec.com	SHEET I OF 20 SHEETS

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	TATE OF VERMONT CY OF TRANSPORTATION	PR	REI	IMINARY INFORM	ΙΑΤΙΟΝ	SHEE	ET (BRIDGE	:)
		INDEX OF SHEE	ETS					FIN
	PLAN SHEETS			STANDARDS LIST				
1 2 3 - 5 6 7 8 9 10 11 12 13 14 - 15 16 17 - 20	EXISTING CONDITIONS PLAN		B-71 E-121 G-1 G-1D G-10 S-352A S-352B S-352C T-1 T-10 T-28 T-30 T-35 T-36 T-42 T-45 T-56	STANDARD FOR RESIDENTIAL AND COMMERCIAL DRIVES STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD STEEL BEAM GUARDRAIL DETAILS (POST, DELINEATOR, TYPICALS) STEEL BEAM GUARDRAIL DETAILS (END TERMINAL, ANCHOR, MEDIAN) ANCHOR FOR CABLE GUARD RAIL AT OPENINGS BRIDGE RAILING, GALVANIZED STEEL TUBING/CONCRETE COMBINATION BRIDGE RAILING, GALVANIZED STEEL TUBING/CONCRETE COMBINATION BRIDGE RAILING, GALVANIZED STEEL TUBING/CONCRETE COMBINATION TRAFFIC CONTROL GENERAL NOTES CONVENTIONAL ROADS CONSTRUCTION APPROACH SIGNING CONSTRUCTION SIGN DETAILS CONSTRUCTION SIGN DETAILS CONSTRUCTION ZONE LONGITUDINAL DROP-OFFS CONSTRUCTION ZONE LONGITUDINAL DROP-OFFS FOR PAVING BRIDGE NUMBER PLAQUE SQUARE TUBE SIGN POST AND ANCHOR STANDARD SIGN PLACEMENT	07-08-2005 08-08-1995 03-10-2017 03-10-2017 02-23-1995 08-22-2012 08-22-2012 08-22-2012 04-25-2016 08-06-2012 08-06-2012 08-06-2012 08-06-2012 08-06-2012 08-06-2012 08-06-2012 04-09-2014 01-02-2013 10-26-2015			
	DETAIL SHEETS					_		
SD-50 SD-51 SD-60	 1.00 CONCRETE DETAILS AND NOTES 2.00 CONCRETE DETAILS AND NOTES 6.10 BRIDGE JOINT ASHPALTIC PLUG 1.00 STRUCTURAL STEEL DETAILS AND NOTES 2.00 STRUCTURAL STEEL PLATE GIRDER DETAILS AND NOTES 	2/9/2012 10/12/2012 8/29/2011 6/4/2010 5/2/2011						

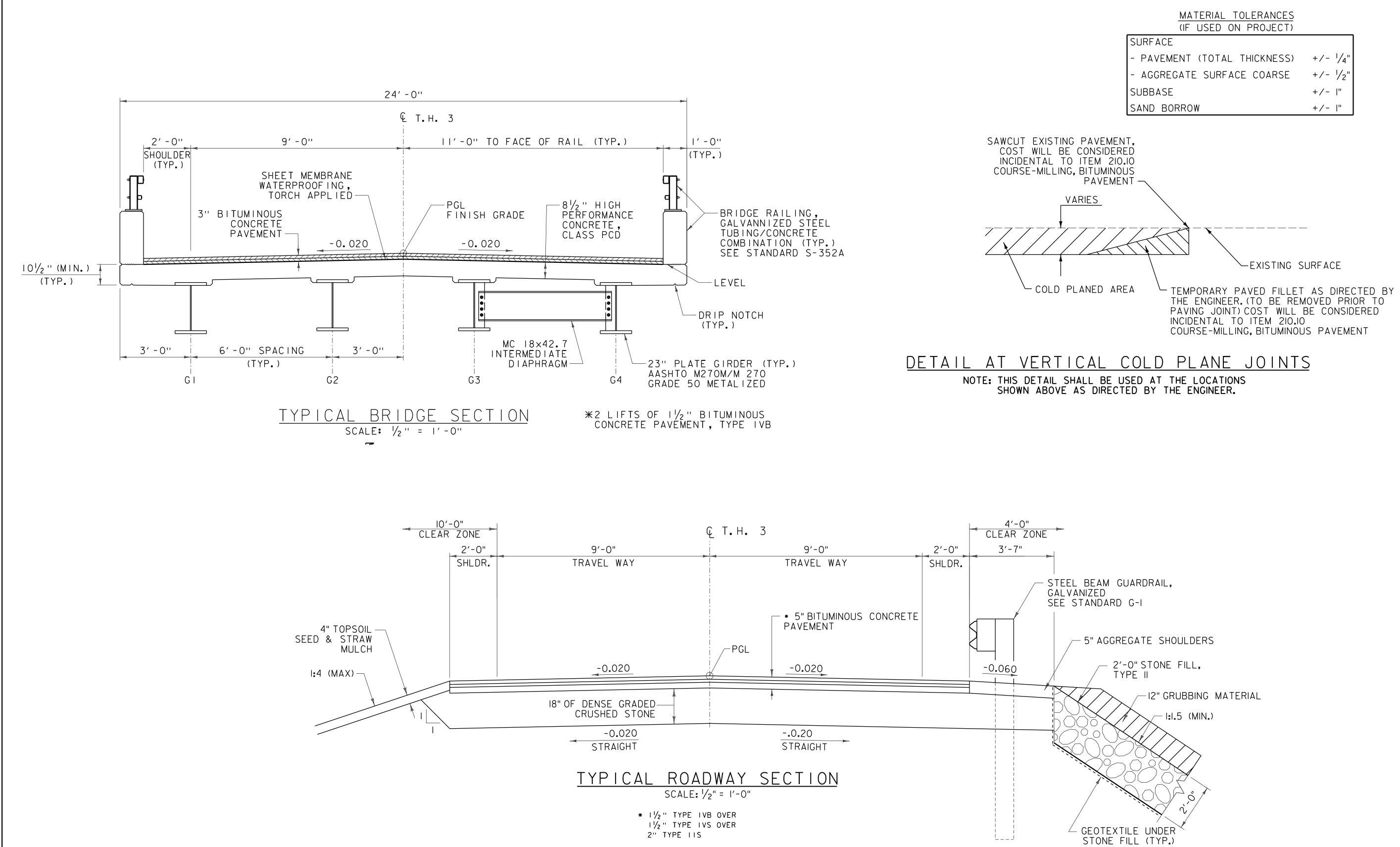
SD-501.00	CONCRETE DETAILS AND NOTES	2/9/2012
SD-502.00	CONCRETE DETAILS AND NOTES	10/12/2012
SD-516.10	BRIDGE JOINT ASHPALTIC PLUG	8/29/2011
SD-601.00	STRUCTURAL STEEL DETAILS AND NOTES	6/4/2010
SD-602.00	STRUCTURAL STEEL PLATE GIRDER DETAILS AND NOTES	5/2/2011
HSD-400.01	SAFETY EDGE DETAILS	1/5/2018

				т		Δ	AS B	UILT "REBAR" D	ETAIL
							LEVEL I	LEVEL II	LEVEL III
YEAR	ADT	DHV	% D	% Т	ADTT	20 year ESAL for flexible pavement from 2021 to 2041 C No Data	TYPE:	TYPE:	TYPE:
2021	400	60	61	8.3	61	40 year ESAL for flexible pavement from 2021 to 2061 C No Date	GRADE:	GRADE:	GRADE:
2041	430	65	61	9.5	61	Design Speed : 35 mph			

		<u>•R LOAD</u>	RATING	FACTO	RS	
LOADING LEVELS				TRUCK		
	H-20	HL-93	3S2	6 AXLE	3A. STR.	4A. S
TONNAGE	20	36	36	66	30	34
INVENTORY						
POSTING						
OPERATING						
COMMENTS:						

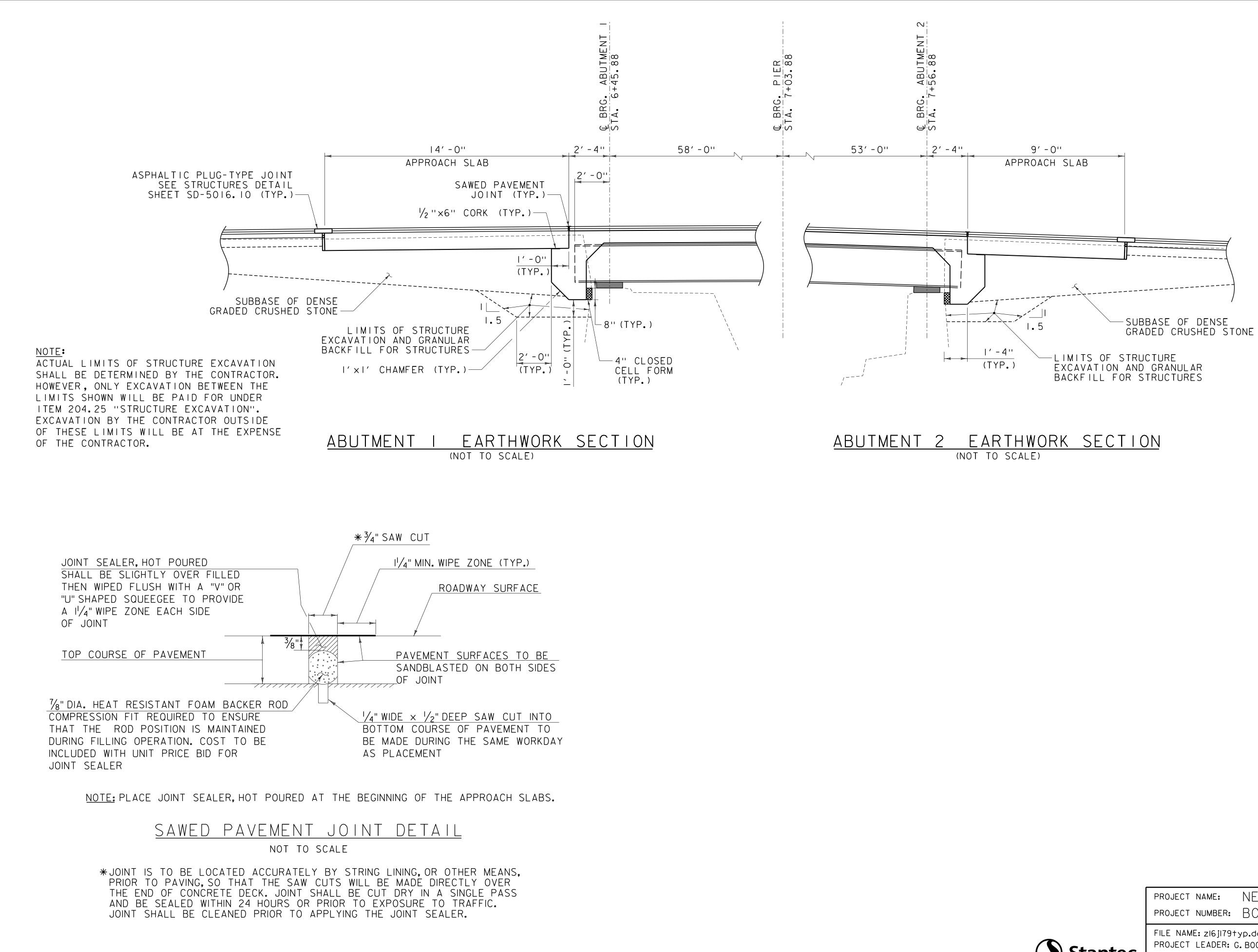
	<u>LRFD</u>
FINAL HYDRA	
	 MAINTAIN TRAFFIC ON AN OFF SITE DETOUR. TRAFFIC SIGNALS ARE NOT NECESSARY.
	3. SIDEWALKS ARE NOT NECESSARY
	DESIGN VALUES
	1. DESIGN LIVE LOAD HL-93
	2. FUTURE PAVEMENT d_p : 0.0 INCH 3. ABUTMENT BEARING TO BEARING LENGTH (TWO SPANS) (58FT-53FT) L: 111.00 FT
	4. MIN. MID-SPAN POS. CAMBER @ RELEASE (PRESTRESSED UNITS) Δ:
	5. PRESTRESSING STRAND fy:
	7. PRESTRESSED CONCRETE RELEASE STRENGTH f'ci:
	8. HIGH PERFORMANCE CONCRETE, CLASS PCDf'c: 4.0 KSI9. HIGH PERFORMANCE CONCRETE, CLASS PCSf'c: 3.5 KSI
	10. CONCRETE HIGH PERFORMANCE, CLASS PSSf'c: 4.0 KSI11. CONCRETE, CLASS Cf'c: 3.0 KSI
	12. REINFORCING STEEL fy: 60 KSI
	13. STRUCTURAL STEEL AASHTO M270 (METALIZED) f_y : 50 KSI
	14. NOMINAL BEARING RESISTANCE OF SOIL q n: 4.0 KSF15. SOIL BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)∲:
	16. NOMINAL BEARING RESISTANCE OF ROCK q n: 10.0 KSF
LRFR LOAD RATING FACTORS TRUCK	17. ROCK BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD) φ:
H-20 HL-93 3S2 6 AXLE 3A. STR. 4A. STR. 5A. SEMI	18. PILE RESISTANCE FACTOR φ: 19. LATERAL PILE DEFLECTION Δ:
	20. BASIC WIND SPEED V3s:
	22. SEISMIC DATA PGA: Ss:
	23. <u>\$1:</u>
	24. <u></u> 25
	26. <u></u>
	PROJECT NAME: NEWBURY
	PROJECT NUMBER: BO 1447(32)
	FILE NAME: z16j179_pi.xls PLOT DATE: 12/12/2019
	PROJECT LEADER:G. BOGUEDRAWN BY:J. BURKEDESIGNED BY:J. GRIGASCHECKED BY:J. GRIGAS
	PRELIMINARY INFORMATION SHEET SHEET 2 OF 20

Version



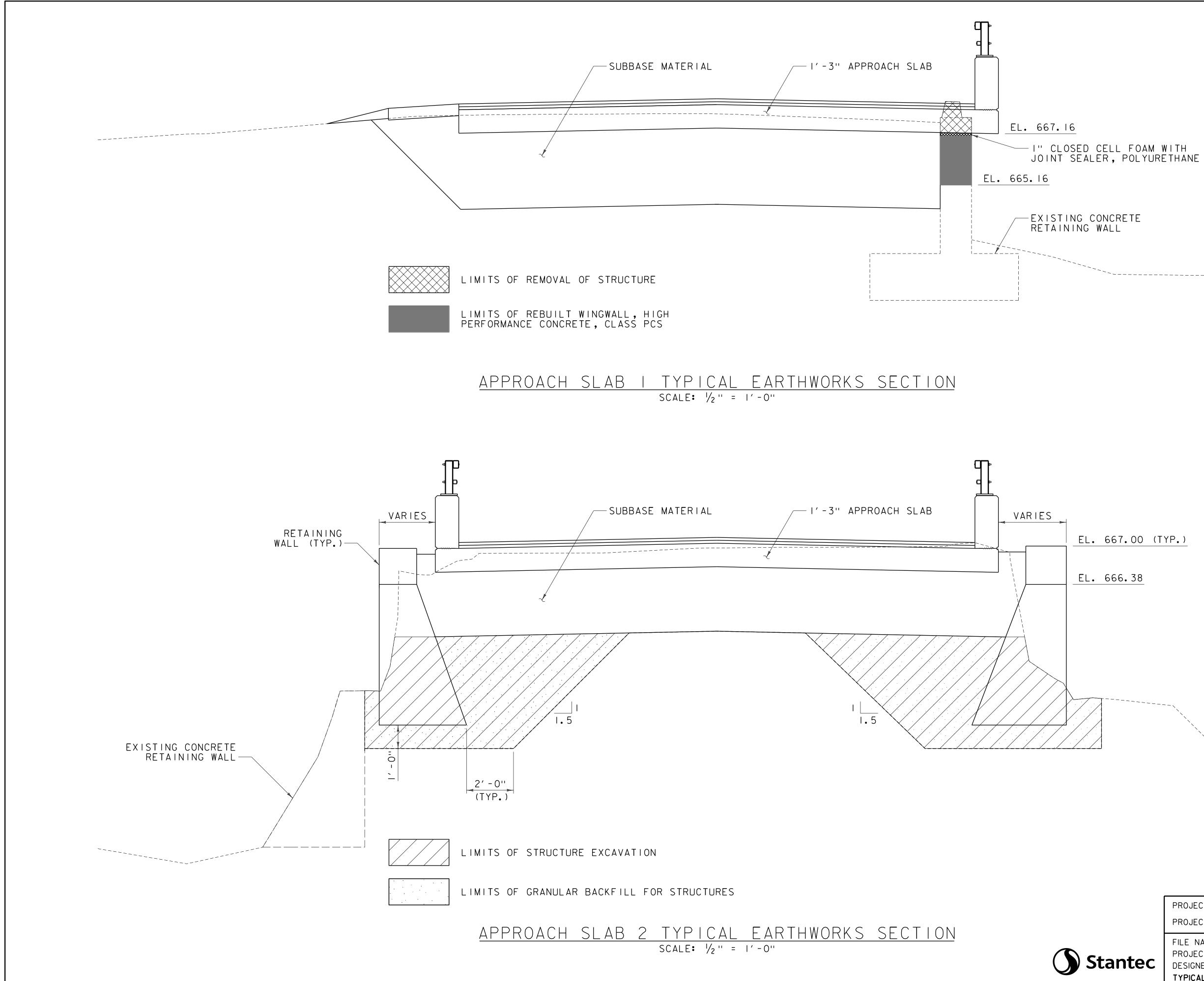
🕥 Star

	project name: NEWBURY project number: BO 1447(32)	
ntec	FILE NAME: zI6j179typ.dgn PROJECT LEADER: G.BOGUE DESIGNED BY: J.GRIGAS TYPICAL SECTIONS I	PLOT DATE: 12/13/2019 DRAWN BY: J.BURKE CHECKED BY: T.KNIGHT SHEET 3 OF 20





	project name: NEWBURY	
	project number: BO 1447(32)	
	FILE NAME: zI6j179typ.dgn	PLOT DATE: 12/13/2019
	PROJECT LEADER: G.BOGUE	DRAWN BY: J.BURKE
ntec	DESIGNED BY: J. GRIGAS	CHECKED BY: T. KNIGHT
	TYPICAL SECTIONS 2	SHEET 4 OF 20



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EL. 667.00 (TYP.)

	project name: NEWBURY project number: BO 1447(32)	
ntec	FILE NAME: zI6j179typ.dgn PROJECT LEADER: G.BOGUE DESIGNED BY: J.GRIGAS TYPICAL SECTIONS 3	PLOT DATE: 12/13/2019 DRAWN BY: J.GRIGAS CHECKED BY:T.KNIGHT SHEET 5 OF 20

GENERAL INFO	RMATION	СОММО	N TOPOG	RAPHIC POINT SYMBOLS
SYMBOLOGY LE	GEND NOTE	POINT	CODE	DESCRIPTION
THE SYMBOLOGY	Y ON THIS SHEET IS INTENDED TO COVER VENTIONAL SYMBOLOGY. THE SYMBOLOGY IS	(i) (i)	APL BM	BOUND APPARENT LOCATION BENCHMARK
	TING & PROPOSED FEATURES WITH HEAVIER		BND	BOUND
	COMBINATION WITH PROJECT ANNOTATION, PROJECT PLAN SHEETS. THIS LEGEND		CB	CATCH BASIN
	THE BASICS. SYMBOLOGY ON PLANS MAY	¢ 	COMB	COMBINATION POLE
	NOTATIONS AND NOTES SHOULD BE			DROP INLET THROATED DNC
USED TO CLARI	FY AS NEEDED.	¢ o	EL FPOLE	ELECTRIC POWER POLE FLAGPOLE
		\odot	GASFIL	GAS FILLER
		\odot	GP	GUIDE POST
		×	GSO	GAS SHUT OFF
		\odot	GUY	GUY POLE
		\odot	GUYW	GUY WIRE
		×	GV H	GATE VALVE
		£ } ∧	HCTRL	TREE HARDWOOD Control horizontal
		 &	HVCTRL	CONTROL HORIZ. & VERTICAL
		Ŷ	HYD	HYDRANT
		۲	IP	IRON PIN
		⊚	IPIPE	IRON PIPE
		¢ o		LIGHT - STREET OR YARD
		đ	MB MH	MAILBOX MANHOLE (MH)
			MM	MILE MARKER
		Θ	PM	PARKING METER
			РМК	PROJECT MARKER
		©	POST	POST STONE/WOOD
			RRSIG	RAILROAD SIGNAL
			RRSL	RAILROAD SWITCH LEVER
		, <u>)</u> 	S SAT	TREE SOFTWOOD SATELLITE DISH
		(B)	SHRUB	SHRUB
		J J	SIGN	SIGN
		Л	STUMP	STUMP
		-O-	TEL	TELEPHONE POLE
R.O.W. ABBRE	VIATIONS (CODES) & SYMBOLS	0	TIE	
POINT CODE	DESCRIPTION	0.0 人	TSIGN VCTRL	SIGN W/DOUBLE POST Control vertical
BF	BARRIER FENCE	0	WELL	WELL
СН	CHANNEL EASEMENT		WSO	WATER SHUT OFF
CONST	CONSTRUCTION EASEMENT			
CUL	CULVERT EASEMENT	THESE	ARE COMMO	ON VAOT SURVEY POINT SYMBOLS
D&C DIT	DISCONNECT & CONNECT DITCH EASEMENT			TURES, ALSO USED FOR PROPOSED
DR	DRAINAGE EASEMENT			EAVIER LINEWEIGHT, IN COMBINATION
DRIVE	DRIVEWAY EASEMENT		COPUSED A	NNOTATION.
EC	EROSION CONTROL			
HWY	HIGHWAY EASEMENT	PROPO	SED GEO	METRY CODES
I&M LAND	INSTALL & MAINTAIN EASEMENT LANDSCAPE EASEMENT	CODE	DESCR	IPTION
PDF	PROJECT DEMARCATION FENCE	PC		OF CURVATURE
R&RES	REMOVE & RESET	PI		OF INTERSECTION
R&REP	REMOVE & REPLACE	CC PT		OF CURVE DF TANGENCY
R.T.&I.	RIGHT, TITLE, AND INTEREST	PCC		OF COMPOUND CURVE
SR	SLOPE RIGHT	PRC		OF REVERSE CURVE
UE (P)	UTILITY EASEMENT PERMANENT EASEMENT	POB	POINT (DF BEGINNING
(T)	TEMPORARY EASEMENT	POE		DF ENDING
		STA A LI		N PREFIX
■ BNDNS □ BNDNS	BOUND SET BOUND TO BE SET	AH BK		STATION SUFFIX TATION SUFFIX
© IPNF	IRON PIN FOUND	D		DEGREE OF (IOOFT)
• IPNS	IRON PIN TO BE SET	R		RADIUS OF
⊠ CALC	EXISTING ROW POINT	Т		TANGENT LENGTH
O PROW	PROPOSED ROW POINT	L		LENGTH OF
[LENGTH]	LENGTH CARRIED ON NEXT SHEET	E		EXTERNAL DISTANCE
	I	CB	СНОКД	BEARING

UTILITY SYMBOLOGY

UNDERGROUND UTILITIES
— <i>UGU</i> — ·· — ·· - UTILITY (GENERIC-UNKNOWN)
<i>— UT — · · - T</i> ELEPHONE
- UET - ·· - ELECTRIC+TELEPHONE
— s — $\cdot \cdot$ — $\cdot \cdot$ - SANITARY SEWER (SEPTIC)
ABOVE GROUND UTILITIES (AERIAL)
— <i>AGU</i> — ·· — ·· – UTILITY (GENERIC-UNKNOWN)
— T — · · - TELEPHONE
- E - ·· - ELECTRIC
- C - ·· - CABLE (TV)
EC ··- ELECTRIC+CABLE
- ET - ·· - ELECTRIC+TELEPHONE
— AER E&T — ·· — · ELECTRIC+TELEPHONE
— CT — ·· — ·· - CABLE+TELEPHONE
- ECT - ·· - ELECTRIC+CABLE+TELEPHONE
PROJECT CONSTRUCTION SYMBOLOGY
PROJECT DESIGN & LAYOUT SYMBOLOGY

PROJECT	DESIGN	&	LAYOU	T SYM
	- cz —	_	CLEAR	ZONE

- PLAN LAYOUT MATCHLINE

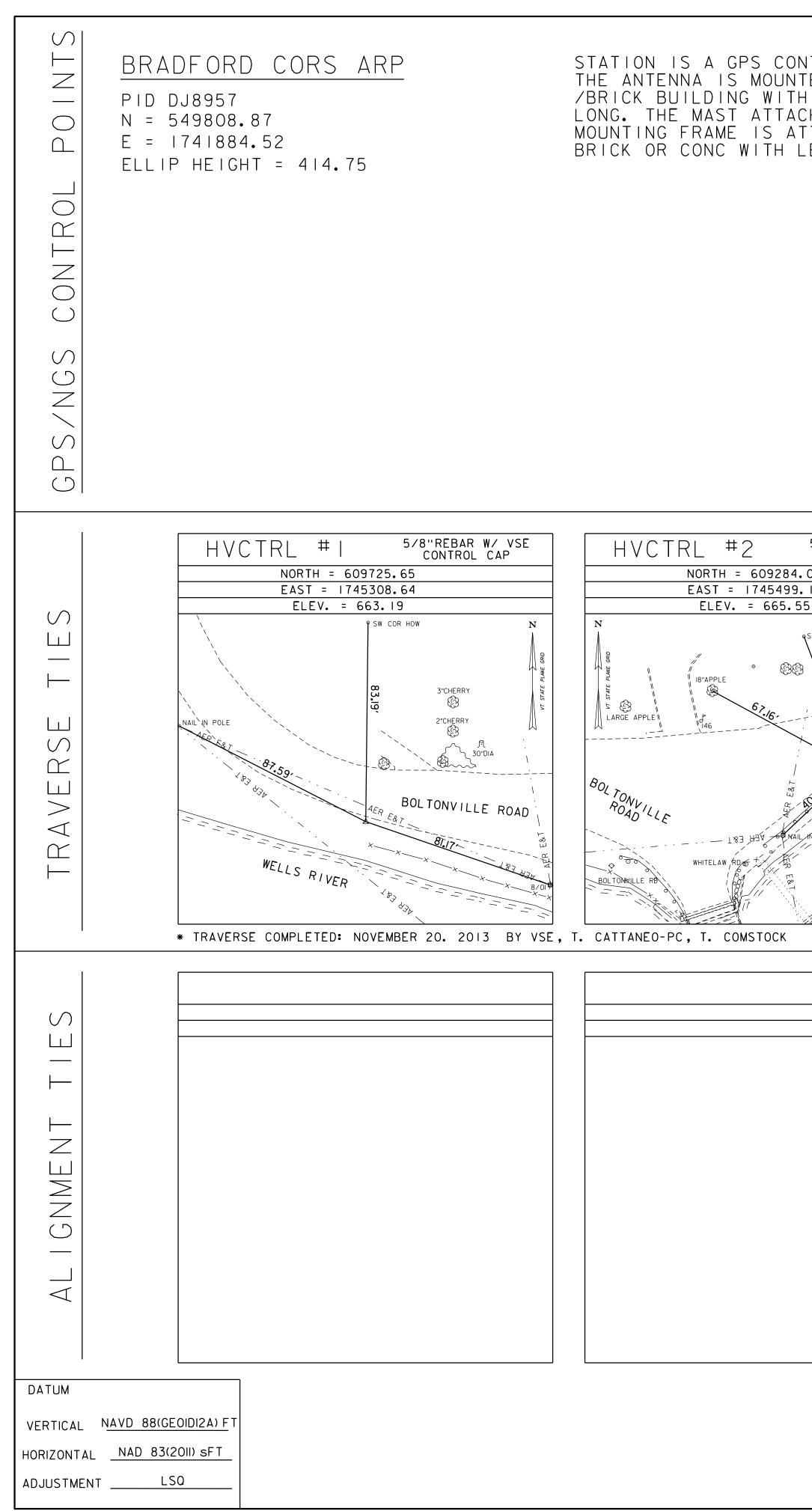
PROJECT CONSTRUCTION FEATURES

Δ	<u> </u>	<u>A</u>	<u> </u>	TOP OF CUT SLOPE
G—			—Ð	TOE OF FILL SLOPE
80	8 8	8 8	80	STONE FILL
				BOTTOM OF DITCH €
\equiv	====	====	==:	CULVERT PROPOSED
				STRUCTURE SUBSURFACE
PDF		— P D F —		PROJECT DEMARCATION FENCE
ΒF	~~~~×~~×	— B F ——		BARRIER FENCE
XXXX	******	*****	XXXX	TREE PROTECTION ZONE (TPZ)
///	//////	//////	//	STRIPING LINE REMOVAL
\frown	$\sim\sim$	$\sim\sim$	\checkmark	SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLOGY

BOUNDARY LINES	
TOWN LINE	TOWN BOUNDARY LINE
COUNTY LINE	COUNTY BOUNDARY LINE
STATE LINE	STATE BOUNDARY LINE
— <i>///</i> — — — <i>///</i>	PROPOSED STATE R.O.W. (LIMITED ACCESS)
	PROPOSED STATE R.O.W.
	STATE ROW (LIMITED ACCESS)
	STATE ROW
	TOWN ROW
<u> </u>	PERMANENT EASEMENT LINE (P)
	TEMPORARY EASEMENT LINE (T)
+ + +	SURVEY LINE
$\frac{P}{L} \frac{P}{L} \frac{P}{L}$	PROPERTY LINE (P/L)
<u>∧ SR ⊖ SR ∧ SR</u> ⊙	SLOPE RIGHTS
6f 6f	6F PROPERTY BOUNDARY
4f 4f	4F PROPERTY BOUNDARY
HAZ ————————————————————————————————————	HAZARDOUS WASTE

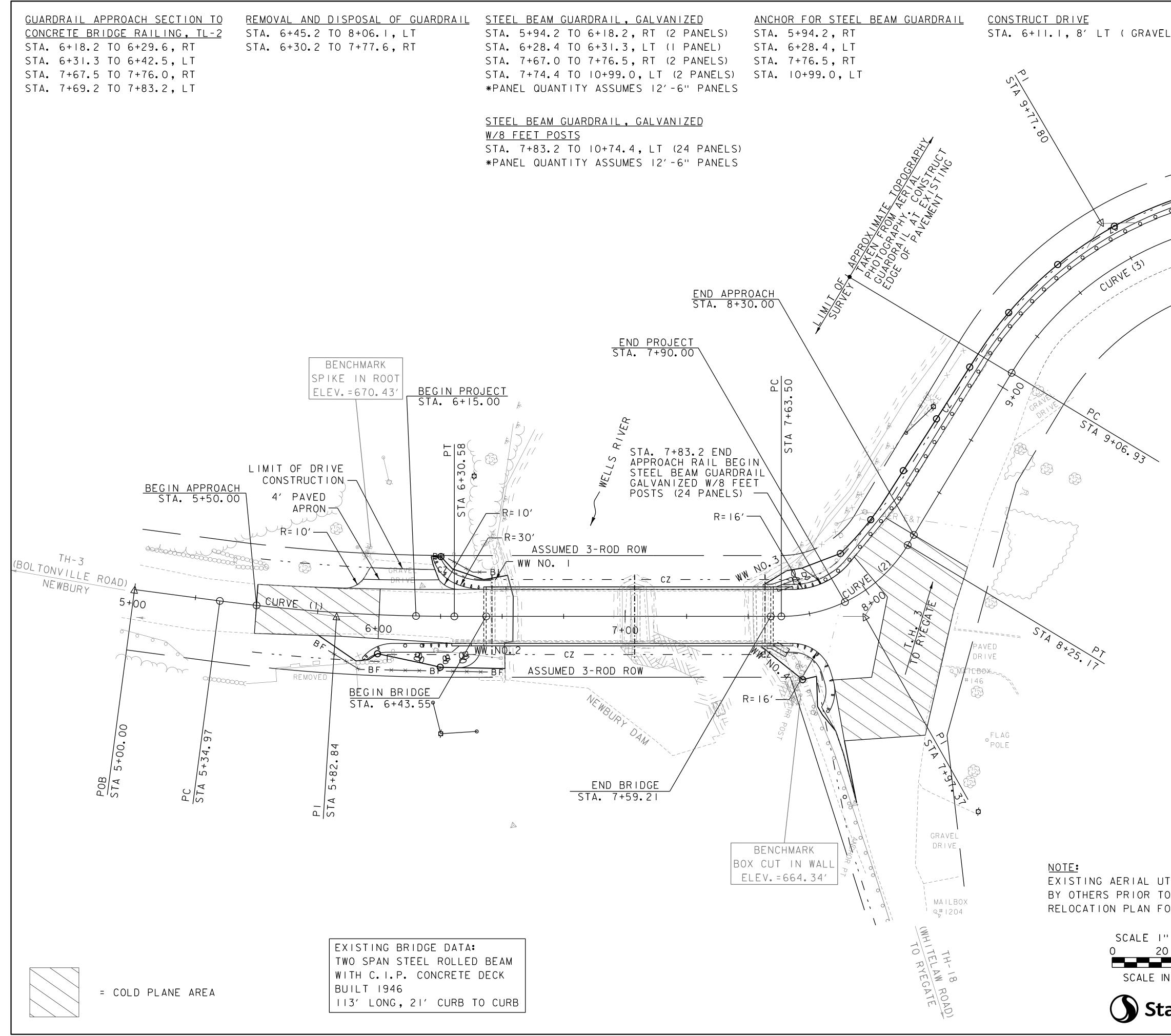
	FILTER CURTAIN SILT FENCE
<u></u>	SILT FENCE WOVEN WIRE
▶ <u> </u> ▶ <u> </u> ▶	CHECK DAM DISTURBED AREAS
	REQUIRING RE-VEGETATION
	EROSION MATTING
SEE EPSC DETAIL	SHEETS FOR ADDITIONAL SYMBOLOGY
ENVIRONMENTAL	RESOURCES
••	WETLAND BOUNDARY
	RIPARIAN BUFFER ZONE WETLAND BUFFER ZONE
	SOIL TYPE BOUNDARY
———— Т&Е ——— НАТ ——— НАТ ———	THREATENED & ENDANGERED SPECIES HAZARDOUS WASTE AREA
	AGRICULTURAL LAND
	FISH & WILDLIFE HABITAT
	FLOOD PLAIN ORDINARY HIGH WATER (OHW)
	STORM WATER
 	USDA FOREST SERVICE LANDS WILDLIFE HABITAT SUIT/CONN
ARCHEOLOGICAL	& HISTORIC
	ARCHEOLOGICAL BOUNDARY
	HISTORIC DISTRICT BOUNDARY
(H)	HISTORIC STRUCTURE
	TOPOGRAPHIC SYMBOLOGY
	TOFOGRAFII'C STMBOLOGI
	[URES
	TURES ROAD EDGE PAVEMENT
	ROAD EDGE PAVEMENT
EXISTING FEAT	ROAD EDGE PAVEMENT
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL ROAD EDGE DRIVEWAY EDGE DITCH FOUNDATION
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION FENCE (EXISTING)
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL ROAD EDGE GRAVEL RIVEWAY EDGE DITCH FOUNDATION RENCE (EXISTING) RENCE WOOD POST
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION RENCE (EXISTING) FENCE WOOD POST FENCE STEEL POST GARDEN
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION X FENCE (EXISTING) FENCE WOOD POST Y GARDEN ROAD GUARDRAIL
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION × FENCE (EXISTING) -□ FENCE WOOD POST -○ FENCE STEEL POST ~ GARDEN - RAILROAD TRACKS
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION FOUNDATION FENCE (EXISTING) FENCE WOOD POST FENCE STEEL POST GARDEN ROAD GUARDRAIL RAILROAD TRACKS CULVERT (EXISTING)
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION FOUNDATION FENCE (EXISTING) FENCE WOOD POST FENCE STEEL POST GARDEN ROAD GUARDRAIL RAILROAD TRACKS CULVERT (EXISTING)
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION FOUNDATION FENCE (EXISTING) FENCE WOOD POST FENCE STEEL POST GARDEN ROAD GUARDRAIL RAILROAD TRACKS CULVERT (EXISTING) STONE WALL WALL
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION ROAD TION FENCE (EXISTING) FENCE WOOD POST FENCE STEEL POST GARDEN ROAD GUARDRAIL RAILROAD TRACKS CULVERT (EXISTING) STONE WALL WOOD LINE BRUSH LINE HEDGE BODY OF WATER EDGE
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION ROAD TION FENCE (EXISTING) FENCE WOOD POST FENCE STEEL POST GARDEN ROAD GUARDRAIL RAILROAD TRACKS CULVERT (EXISTING) STONE WALL WOOD LINE BRUSH LINE HEDGE
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION ROAD EXISTING) FENCE (EXISTING) FENCE (EXISTING) FENCE STEEL POST GARDEN ROAD GUARDRAIL RAILROAD TRACKS CULVERT (EXISTING) STONE WALL WOOD LINE BRUSH LINE HEDGE BODY OF WATER EDGE
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION ROAD EXISTING) FENCE (EXISTING) FENCE (EXISTING) FENCE WOOD POST FENCE STEEL POST GARDEN ROAD GUARDRAIL RAILROAD TRACKS CULVERT (EXISTING) STONE WALL WOOD LINE BRUSH LINE HEDGE BODY OF WATER EDGE
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION ROAD EXISTING) FENCE (EXISTING) FENCE (EXISTING) FENCE STEEL POST GARDEN ROAD GUARDRAIL RAILROAD TRACKS CULVERT (EXISTING) STONE WALL WOOD LINE BRUSH LINE HEDGE BODY OF WATER EDGE
EXISTING FEAT	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION FENCE (EXISTING) FENCE (EXISTING) FENCE STEEL POST GARDEN ROAD GUARDRAIL RAILROAD TRACKS CULVERT (EXISTING) STONE WALL WOOD LINE BRUSH LINE HEDGE BODY OF WATER EDGE LEDGE EXPOSED
PROJECT NAME: PROJECT NAME: PROJECT NUMBER:	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION FENCE (EXISTING) FENCE (EXISTING) FENCE STEEL POST GARDEN ROAD GUARDRAIL RAILROAD TRACKS CULVERT (EXISTING) STONE WALL WOOD LINE BRUSH LINE HEDGE BODY OF WATER EDGE LEDGE EXPOSED
EXISTING FEAT X	ROAD EDGE PAVEMENT ROAD EDGE GRAVEL DRIVEWAY EDGE DITCH FOUNDATION FENCE (EXISTING) FENCE (EXISTING) FENCE STEEL POST GARDEN ROAD GUARDRAIL RAILROAD TRACKS CULVERT (EXISTING) STONE WALL WOOD LINE BRUSH LINE HEDGE BODY OF WATER EDGE LEDGE EXPOSED NEWBURY BO 1447(32)



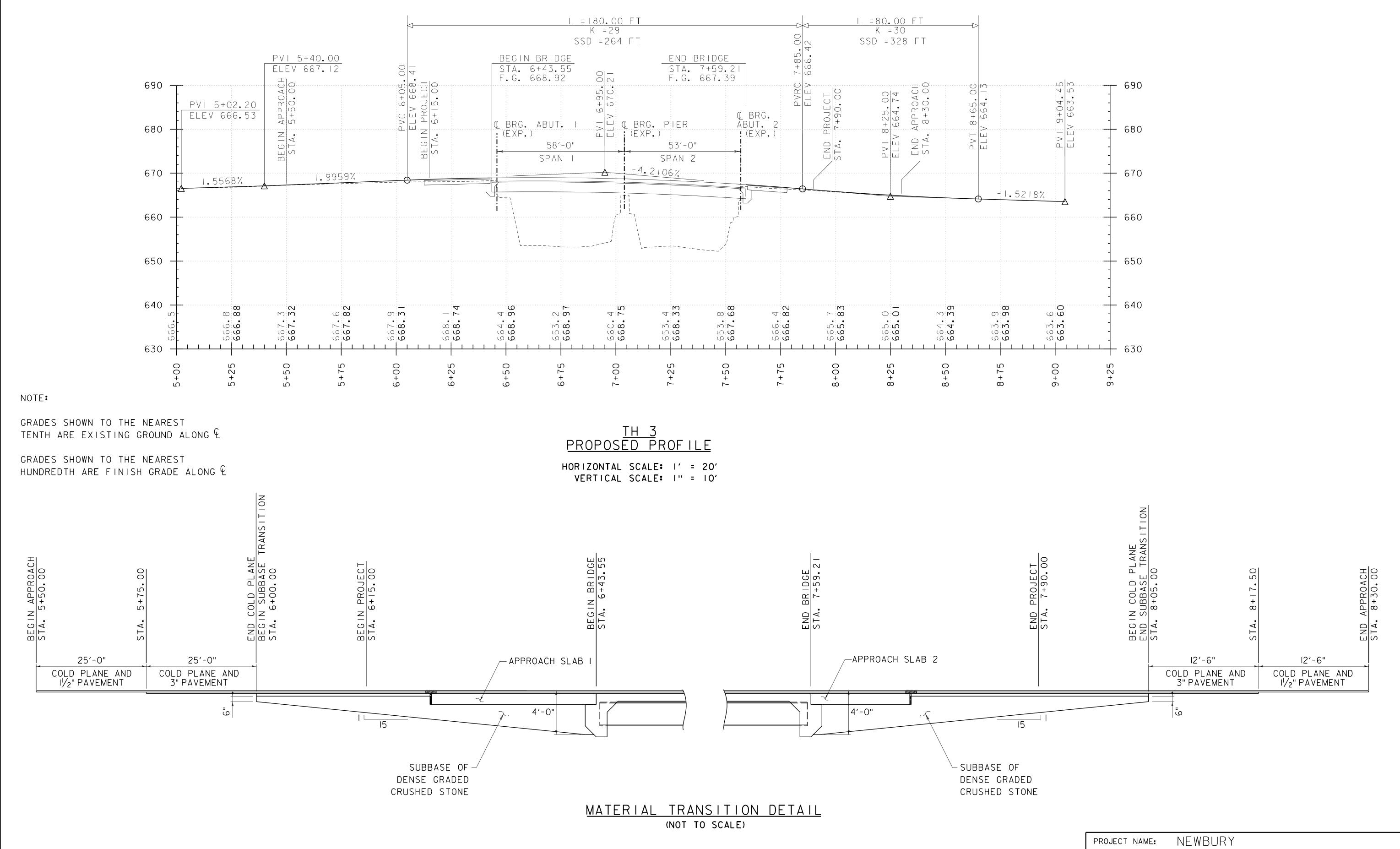
STATION IS A GPS CONTINOUSLY OPERATING REFERENCE STATION. STATION IS THE ANTENNA REFERENCE POINT OF THE GPS ANTENNA. THE ANTENNA IS MOUNTED ON THE ROOF OF OXBOW HIGH SCHOOL, BRADFORD, VT. THE MONUMENT IS ATTACHED TO A TWO STORY CONCRETE /BRICK BUILDING WITH A 6 FT CONCRETE FOUNDATION BUILT IN 1972. THE MAST IS A 1.75 INCH DIA GALV PIPE THAT IS 108 INCHES LONG. THE MAST ATTACHED TO A STEEL MOUNTING FRAME WITH THREE ATTACHMENTS CONSISTING OF 3/8 INCH SS THROUGH BOLTS. THE MOUNTING FRAME IS ATTACHED TO THE BUILDING USING 8 ATTACHMENT POINTS. THE TOP 4 ARE 1/2 INCH SS BOLTS SECURED TO THE BRICK OR CONC WITH LEAD ANCHORS. THE BOTTOM 4 ATTACHMENTS ARE TROUGH BOLTED AND CONSIST OF 1/2 INCH SS THREADED ROD AND NUTS.

5/8"REBAR W/ VSE]				
5/8"REBAR W/ VSE CONTROL CAP					
00					
18					
E COR GARDEN					
1204					
158					
WH ROAD 000					
R I I I I I I I I I I I I I I I I I I I					
RIVE					
VPOLE WELLS RIVER					
	J				
	ן				
	J				
		VERMONY	project name: NEWBURY		
			PROJECT NUMBER: BO 1447(32)		
			FILE NAME: zI6j179ti.dgn	PLOT DATE: 12/1	3/2019
		States AND ENGINEERING.	PROJECT LEADER: G. BOGUE	DRAWN BY: VSE	
		AND ENGINEERING	DESIGNED BY: VSE	CHECKED BY: VSE	
		VERMONT SURVEY AND ENGINEERING			
			SURVEY CONTROL AND TIES	SHEET 7 OF	20



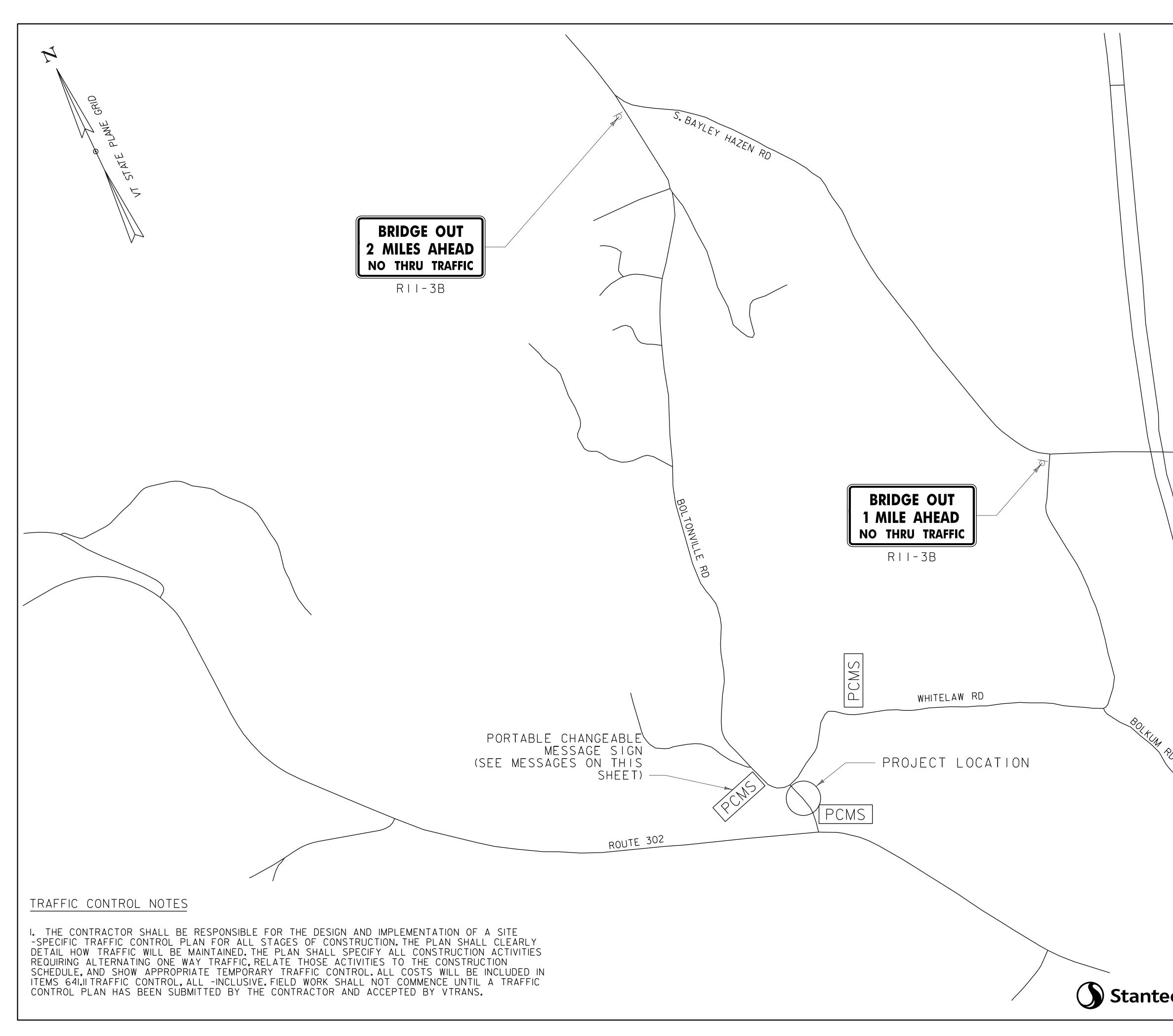


_ 26′ WIDE)		
	VT ST	ATE PLANE GRID
	ASSUMED 3-F	ROD ROW
0	TH-3	
10+00		+00 +26
	ASSUMED 3-ROI	D ROW
	36.70	POE +25.62
	PT STA 10+	STA -
		10,
		CURVE (1) Δ = 07°33′20'' LT D = 07°54′10''
		N=6090560.00 E=1745495.66 R = 725.00'
		T = 47.87' L = 95.60' E = 1.58'
		CURVE (2) Δ = 58°53′26'' D = 95°29′35''
		N=609263.00 E=1745425.85 R = 60.00'
		T = 33.87' L = 61.67' E = 8.90'
		CURVE (3) ∆ = 57°II′4I''
		D = 44°04′25′′ N=609302.19 E=1745243.51
	BE RELOCATED ION. SEE UTILITY S.	R = 130.00' T = 70.87' L = 129.77' E = 18.06'
	PROJECT NAME: NEWBURY	
FEET F	PROJECT NUMBER: BO 1447(32) TILE NAME: z16j179bdr.dgn PROJECT LEADER: G. BOGUE	PLOT DATE: 12/13/2019 DRAWN BY: J.LAPERLE
	DESIGNED BY: I. MAYNARD AYOUT SHEET	CHECKED BY: I. MAYNARD SHEET 8 OF 20



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	PROJECT NAME: NEWBURY PROJECT NUMBER: BO 1447(32)	
antec	FILE NAME: zI6j179pro.dgn PROJECT LEADER: G.BOGUE DESIGNED BY: I.MAYNARD ROADWAY PROFILE	PLOT DATE: 12/13/2019 DRAWN BY: J.LAPERLE CHECKED BY:1.MAYNARD SHEET 9 OF 20



MESSAGE I	MESSAGE 2
BRIDGE	MM/DD
CLOSED	ТО
	MM/DD

MESSAGES FOR PORTABLE CHANGEABLE MESSAGE SIGN PRIOR TO CLOSURE

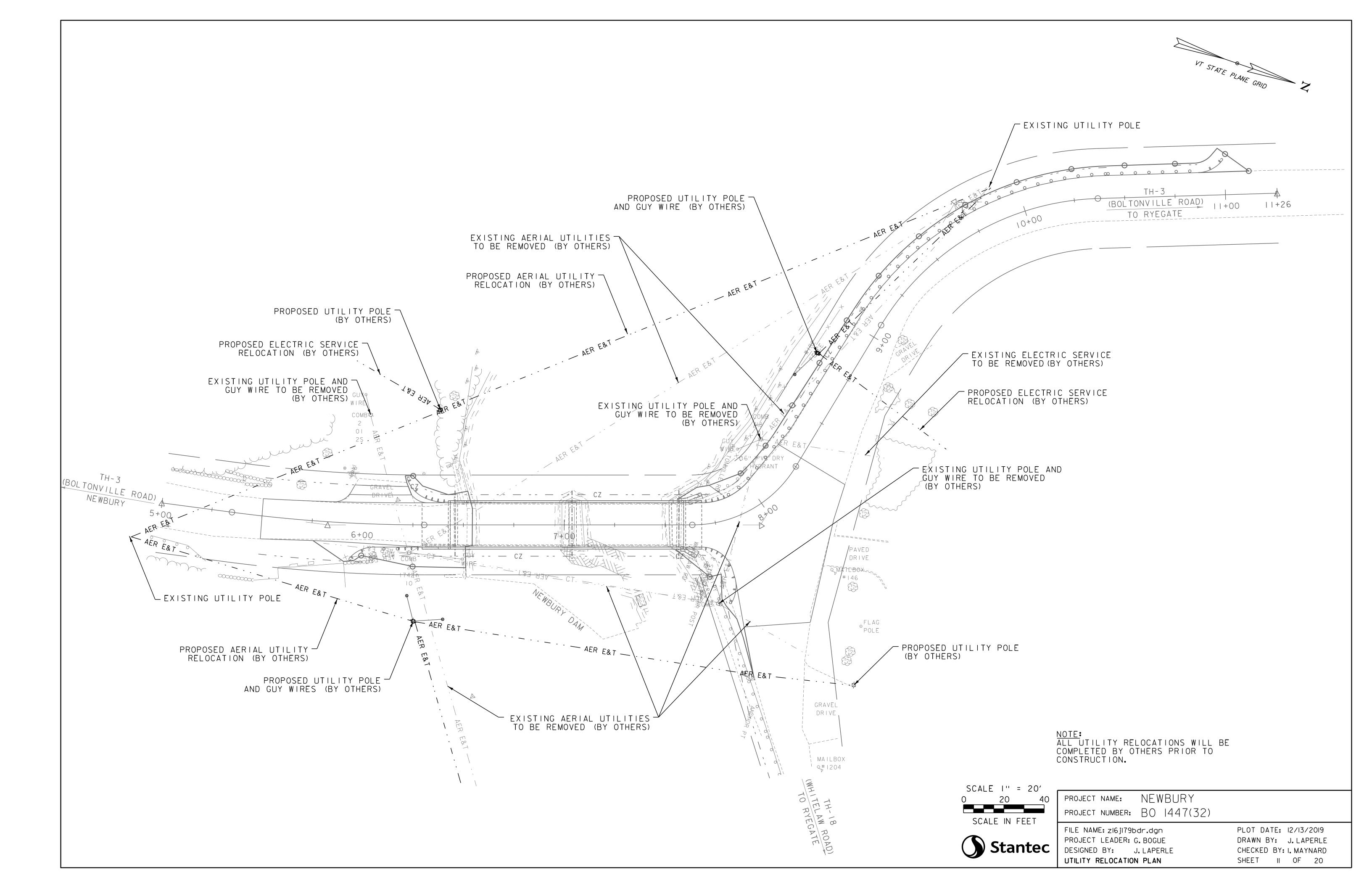
MESSAGE I	MESSAGE 2
BRIDGE	SEEK
CLOSED	ALT.
	ROUTE

MESSAGES FOR PORTABLE CHANGEABLE MESSAGE SIGN PRIOR TO DURING

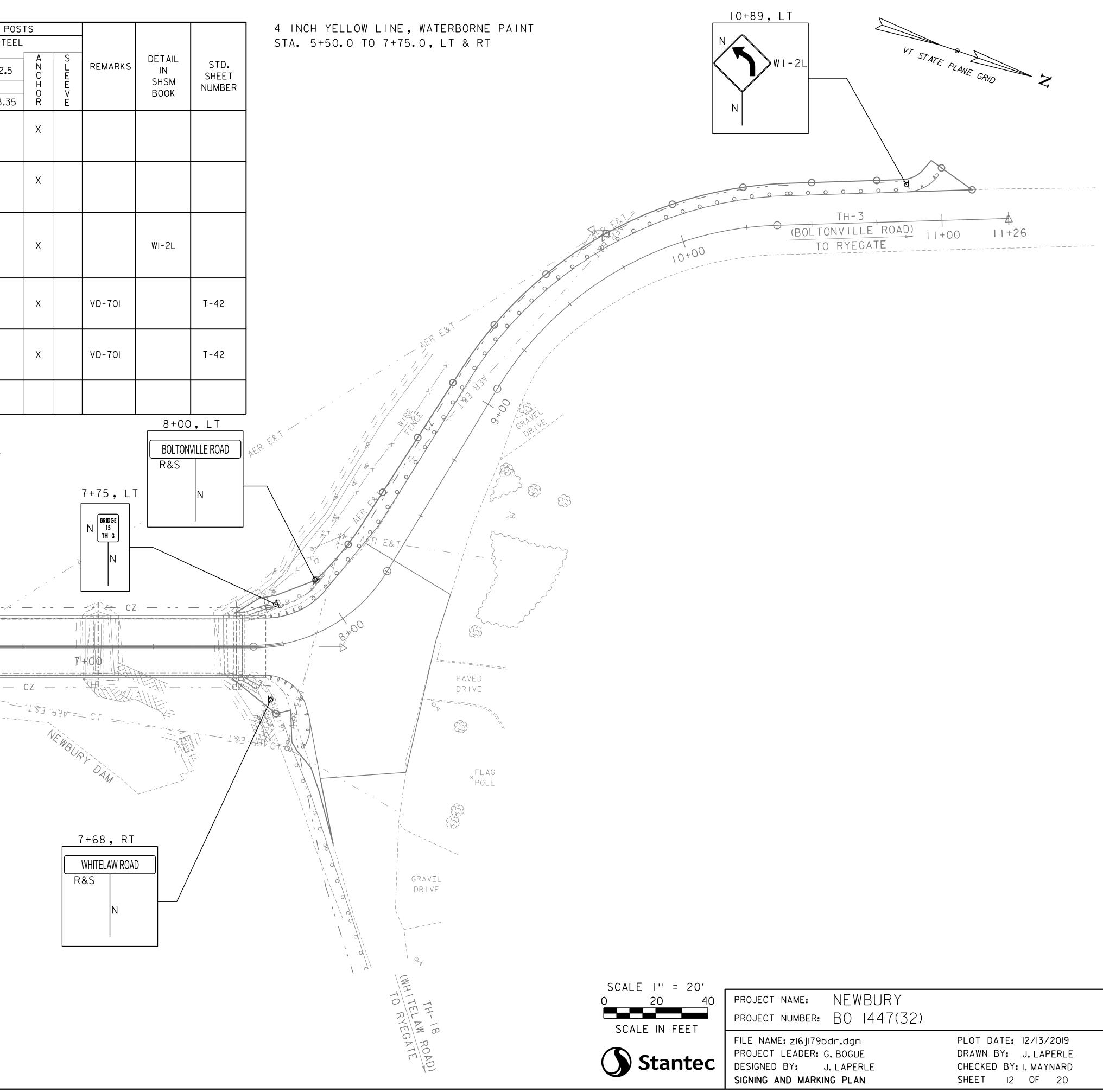
S. BAYLEY HAZEN RD

INTERSTATE

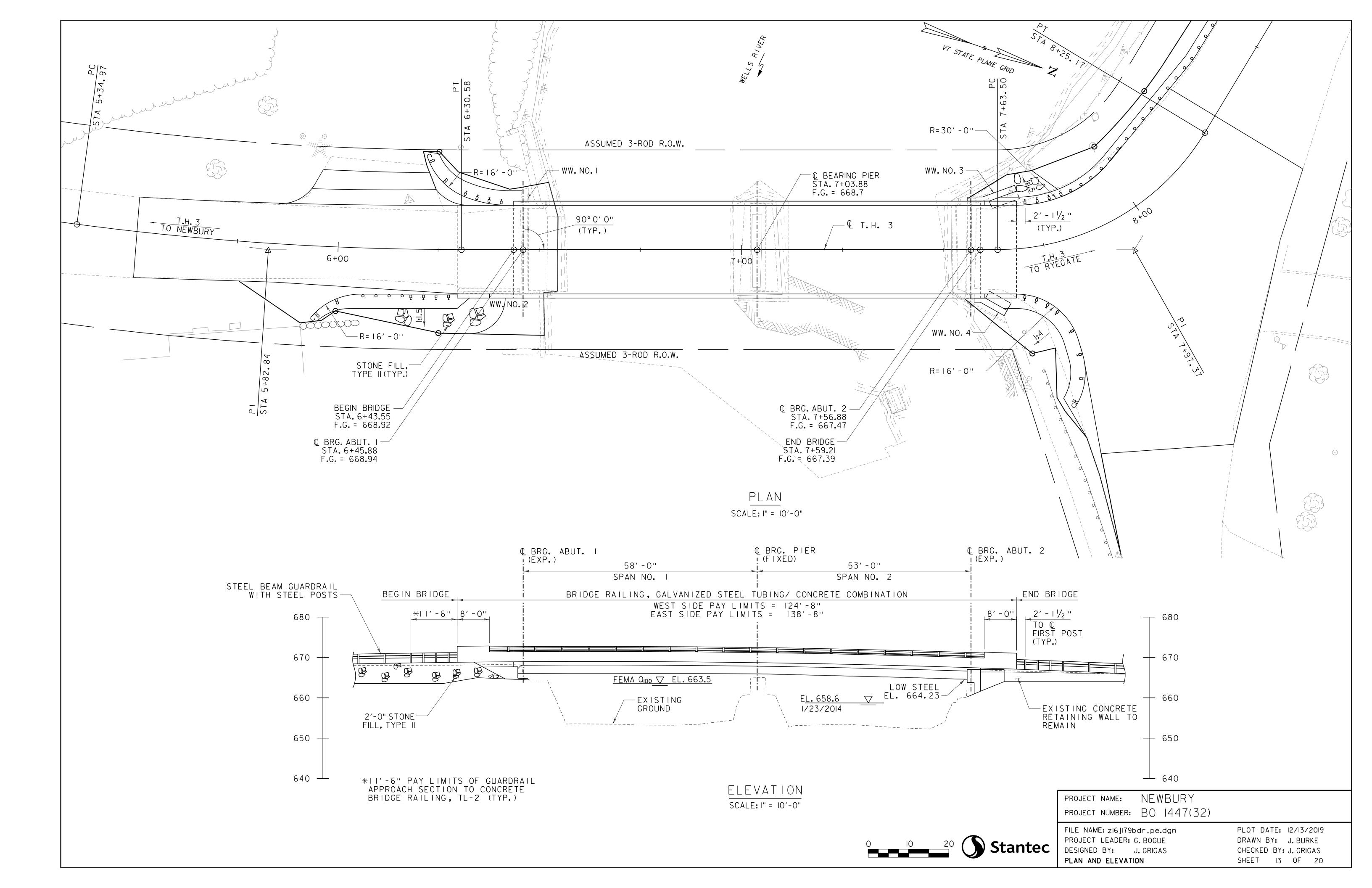
	project name: NEWBURY project number: BO 1447(32	2)
ntec	FILE NAME: zI6j179†cp.dgn PROJECT LEADER: G.BOGUE DESIGNED BY: J.LAPERLE TRAFFIC CONTROL PLAN	PLOT DATE: 12/13/2019 DRAWN BY: J.LAPERLE CHECKED BY:1.MAYNARD SHEET 10 OF 20

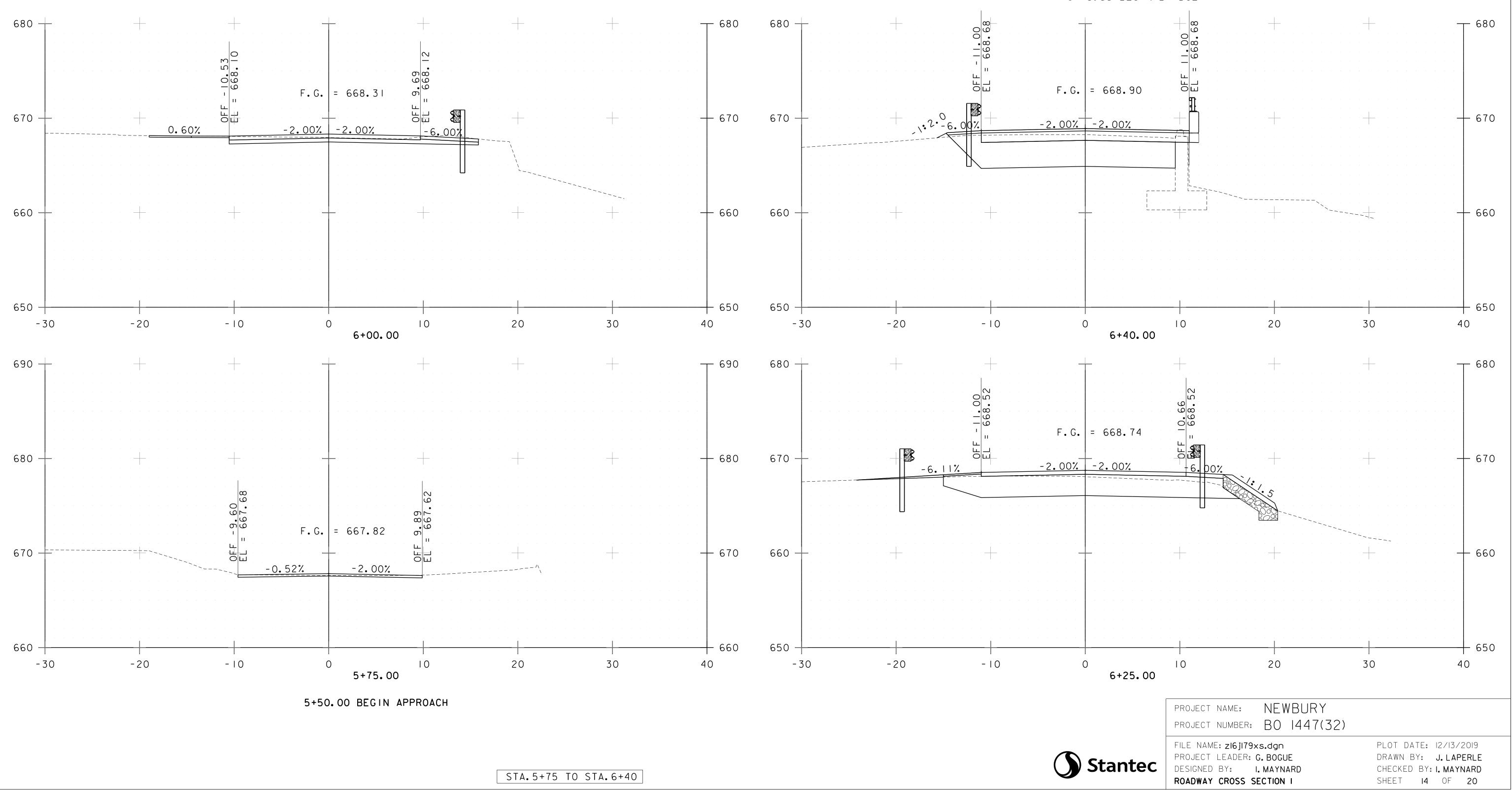


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8+00,LT	BOLTONVILLE RD	1					I	I		x	
10+89,LT		I	30	30	6.25			I		x	
6+20,RT	BRIDGE 15 TH 3	1	6	Ю	0.42			1	x		
7+75,LT	BRIDGE 15 TH 3	I	6	Ю	0.42			1	x		
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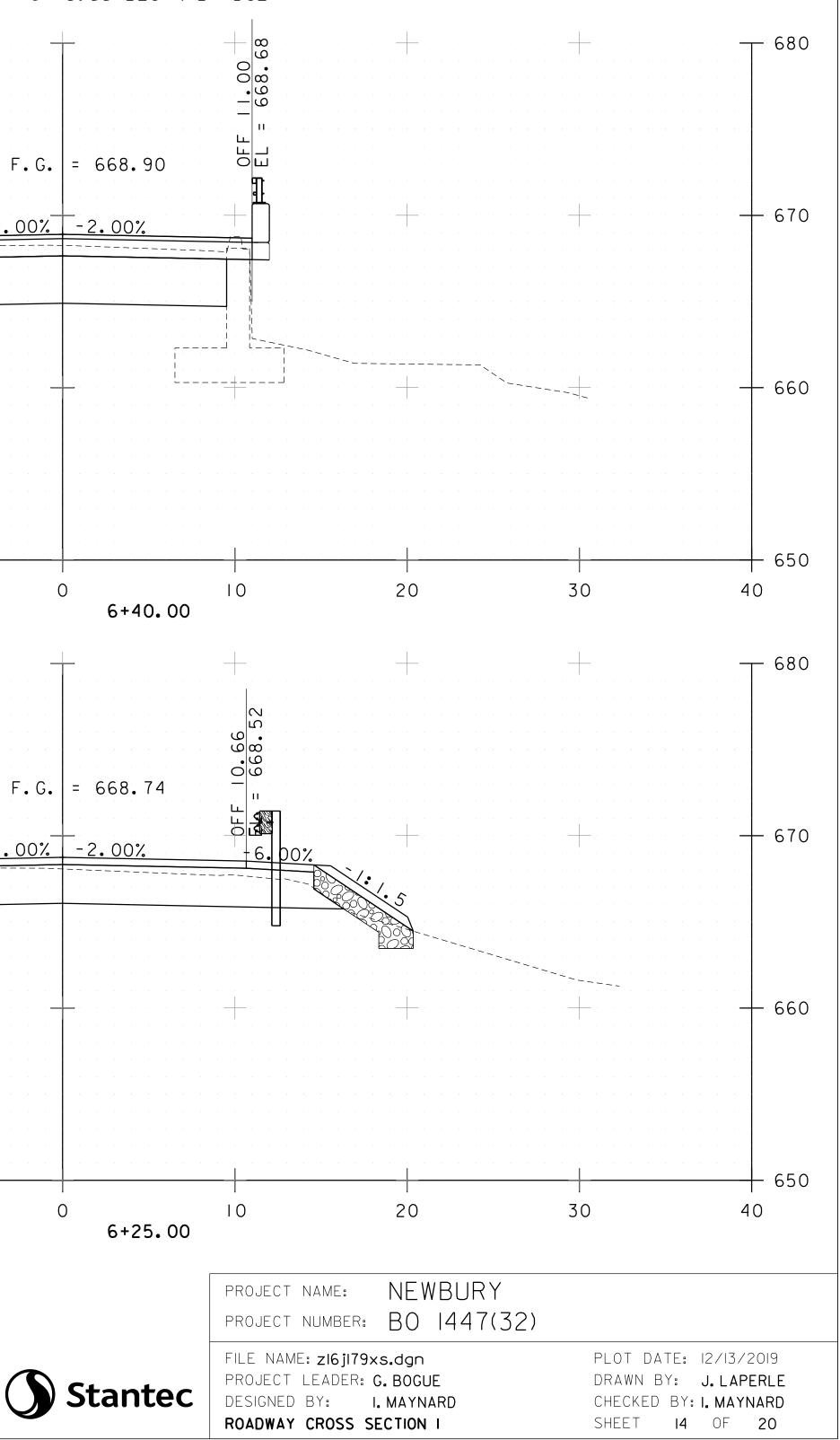


" = 20' 20 40 IN FEET	project name: NEWBURY project number: BO 1447(32)	
tantec	FILE NAME: zI6j179bdr.dgn PROJECT LEADER: G.BOGUE DESIGNED BY: J.LAPERLE SIGNING AND MARKING PLAN	PLOT DATE: 12/13/2019 DRAWN BY: J.LAPERLE CHECKED BY:1.MAYNARD SHEET 12 OF 20

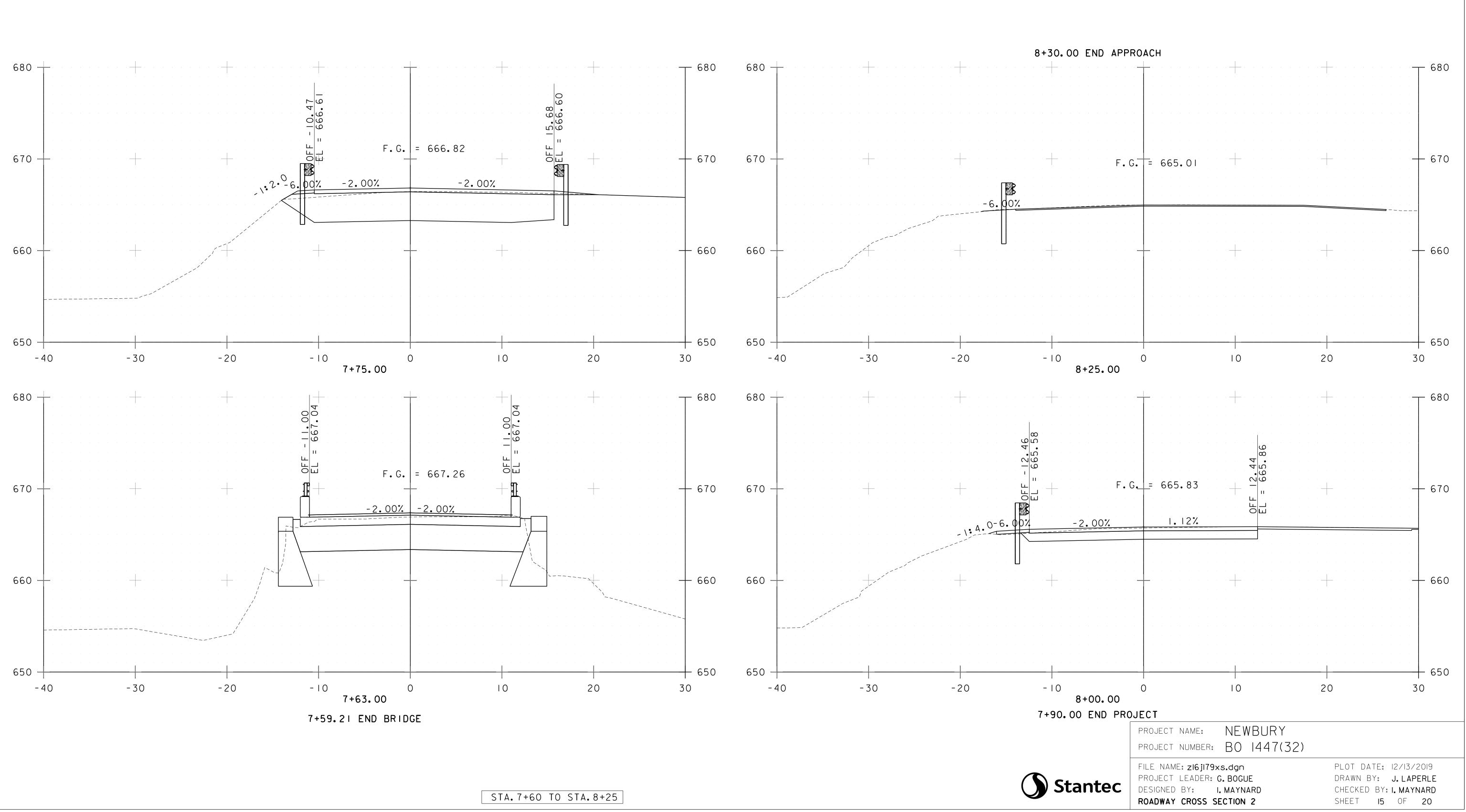


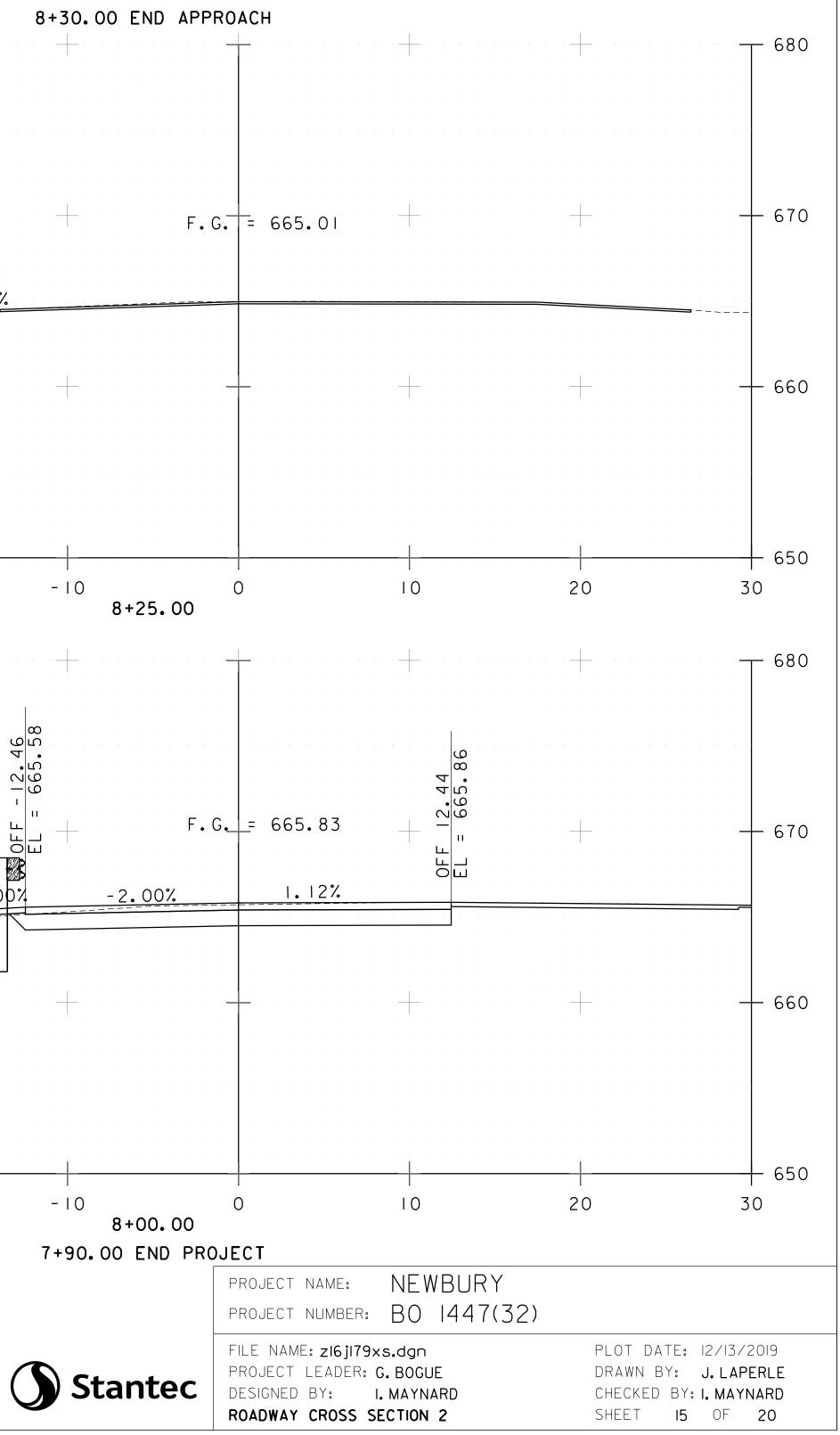


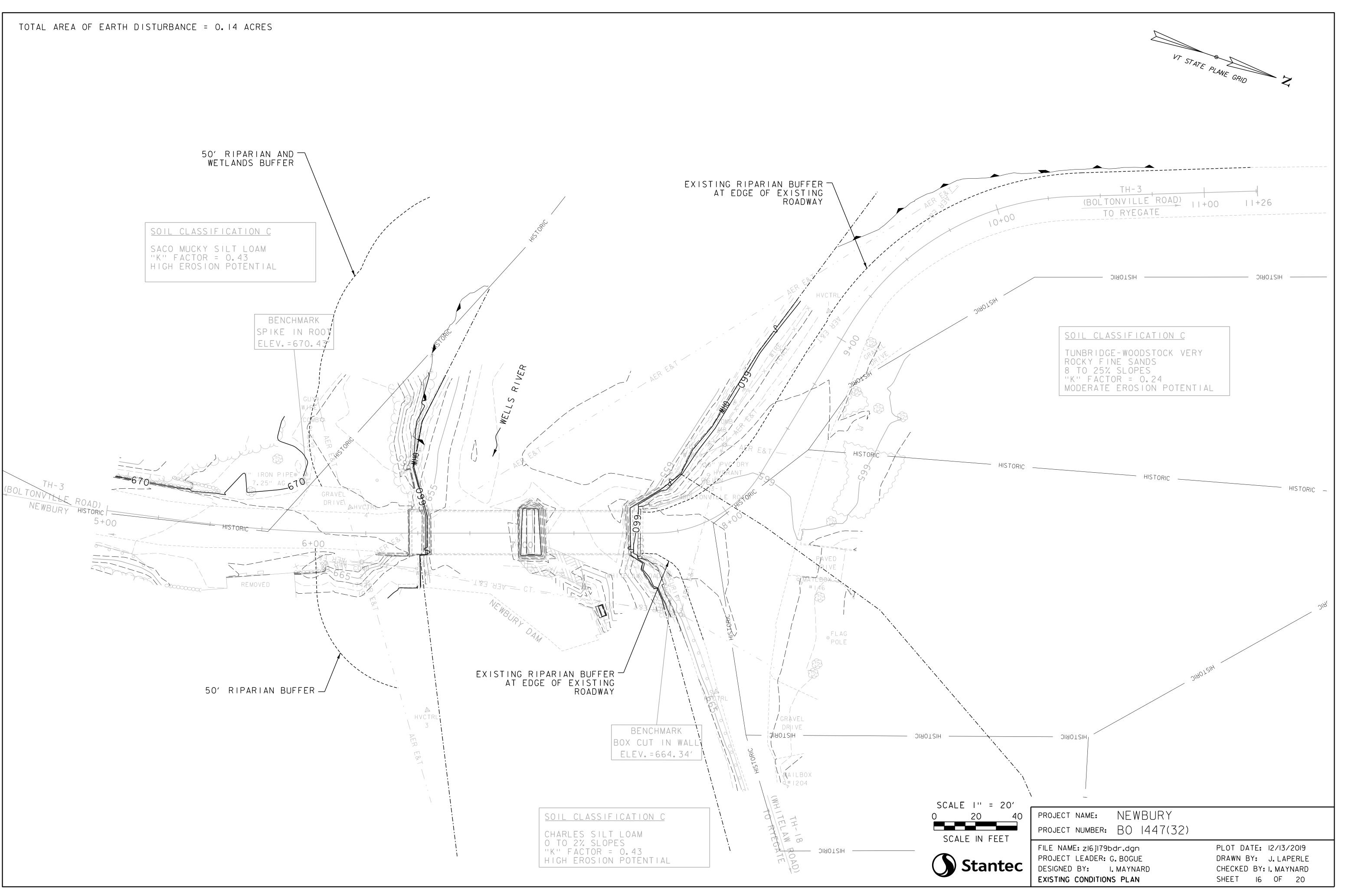
6+15 BEGIN PROJECT

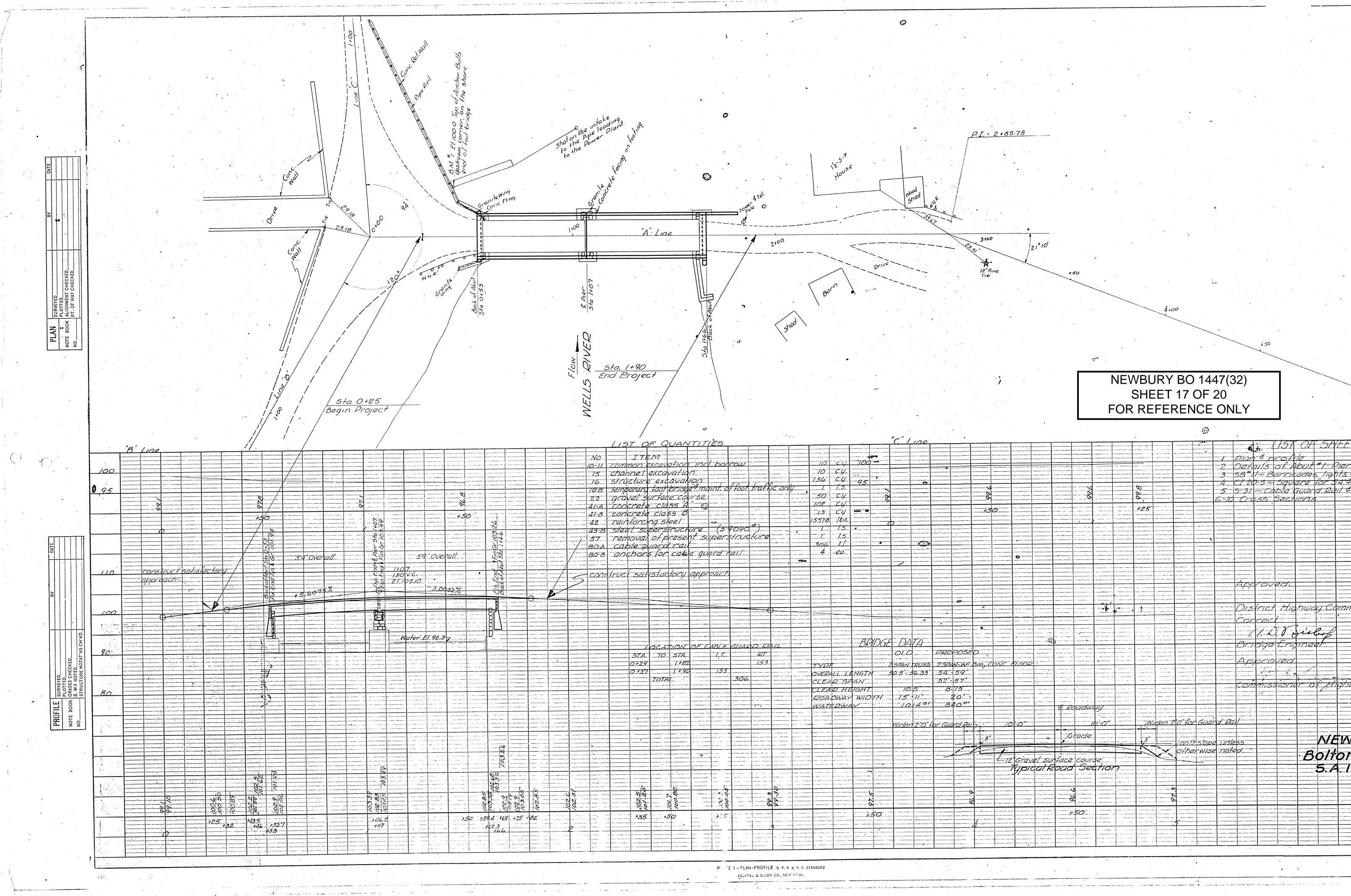


6+43.55 BEGIN BRIDGE

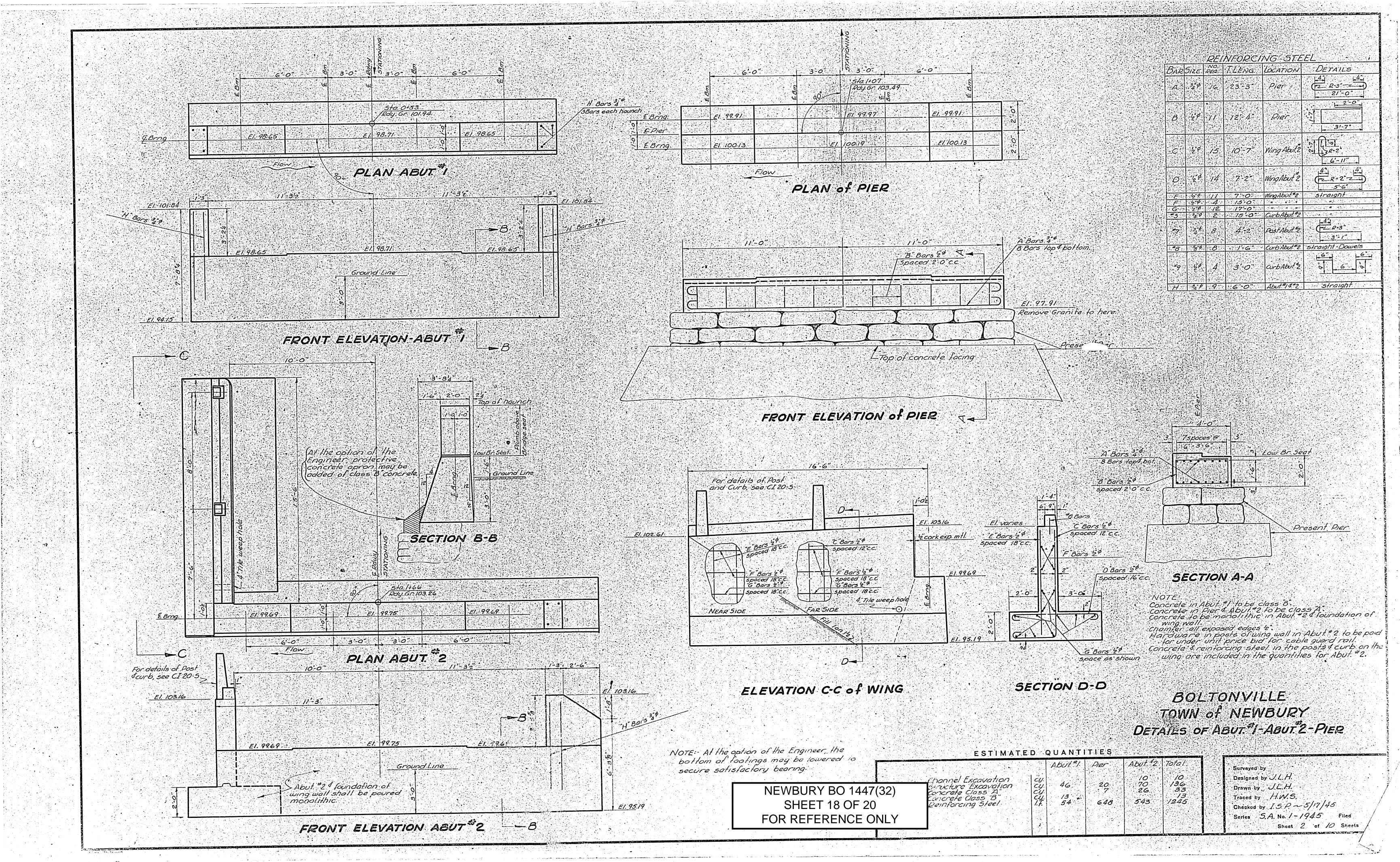


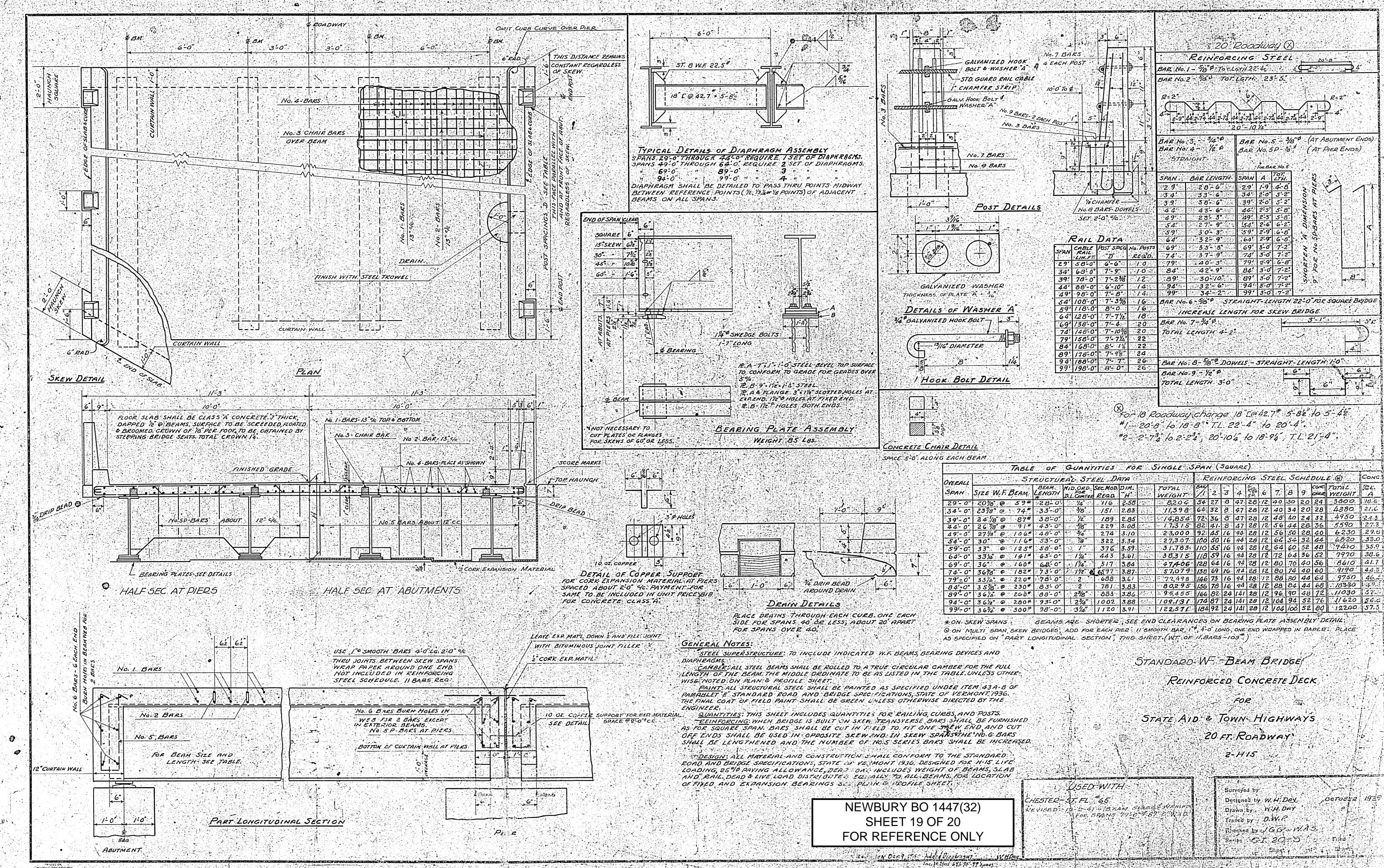






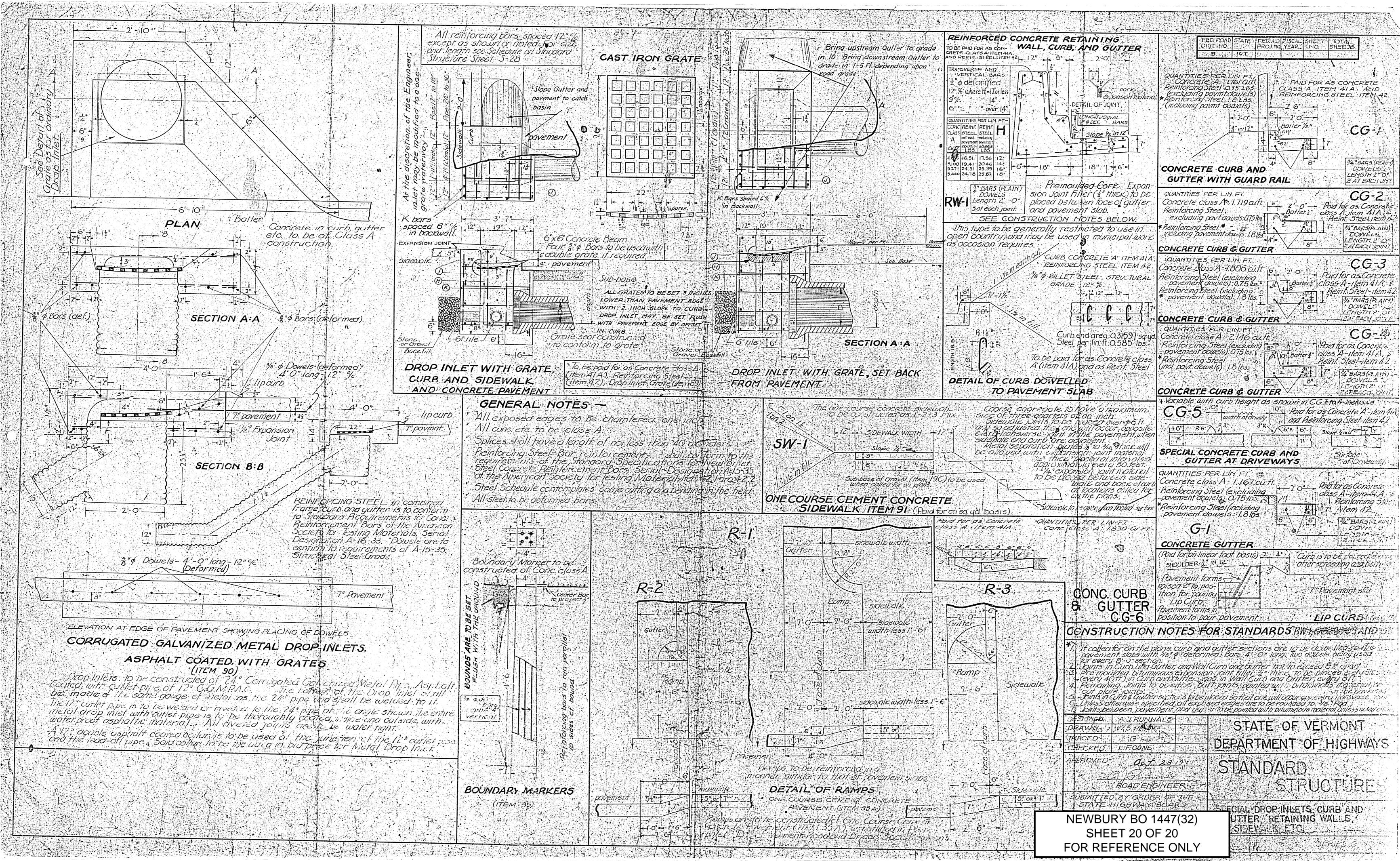
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		FC			ΕT	17 (OF 2	20 ON 	ILY <i>Plan</i> <i>Defa</i> <i>5B</i> [#] <i>CI</i> 20 <i>5-31</i>	- # p n1.5 1 Ba 7-5 Ca	of A arric Squ ble	but. ade: are Guar	, ligi for s d Ro	1/5 ¢	<u>5191</u>	25		
		FC			ΕT	17 (OF 2	20 ON 	ILY <i>Plan</i> <i>Defa</i> <i>5B</i> [#] <i>CI</i> 20 <i>5-31</i>	- # p n1.5 1 Ba 7-5 Ca	of A arric Squ ble	but. ade: are Guar	, ligi for s d Ro	1/5 ¢	<u>5191</u>	25		
		FC			ΕT	17 (OF 2	20 ON 	ILY <i>Plan</i> <i>Defa</i> <i>5B</i> [#] <i>CI</i> 20 <i>5-31</i>	- # p n1.5 1 Ba 7-5 Ca	of A arric Squ ble	but. ade: are Guar	, ligi for s d Ro	1/5 ¢	5191	25		
		FC			ΕT	17 (OF 2	20 ON 	ILY <i>Plan</i> <i>Defa</i> <i>5B</i> [#] <i>CI</i> 20 <i>5-31</i>	- # p n1.5 1 Ba 7-5 Ca	of A arric Squ ble	but. ade: are Guar	, ligi for s d Ro	1/5 ¢	5191	25		
		FC			ΕT	17 (OF 2	20 ON 	LY <i>Plan</i> <i>Defa</i> <i>5B</i> # <i>CI</i> 20 <i>5-31</i> <i>Crc</i>	- & p - & p B B C C C 	of A arric Squ ble Sect	but. ade: are Guar	, ligi for s d Ro	1/5 ¢	5191 59'51 9000000000000000000000000000000000000			
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		F(ΕT	17 (OF 2	20 ON 	LY <i>Plan</i> <i>Defa</i> <i>58</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i> <i>CI</i>	- & p 21/5 1 Ba Ca Ca Ca 	of A arric Squ ble Sect	buf. acte: are fiuar ion: 	5, 1191 for 5 7 Ra	hts ¢	5191 59'51 417C/ 			-
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		F(ΕT	17 (OF 2	20 ON 	LY <i>Plan</i> <i>Defa</i> <i>5B</i> #1 <i>CI</i> 20 <i>5-31</i> <i>Cra</i> <i>App</i> <i>DIS</i> <i>Cor</i> <i>Cor</i> <i>Cor</i> <i>Cor</i> <i>Cor</i> <i>Cor</i> <i>Cor</i> <i>Cor</i> <i>Cor</i> <i>Cor</i>	rov	of A arrie Squ ble Sect Sect Sect Sect Sect Sect Sect Sec	bul. actes a			5191 59'51 Arnet 1943 7943 1551 1943			
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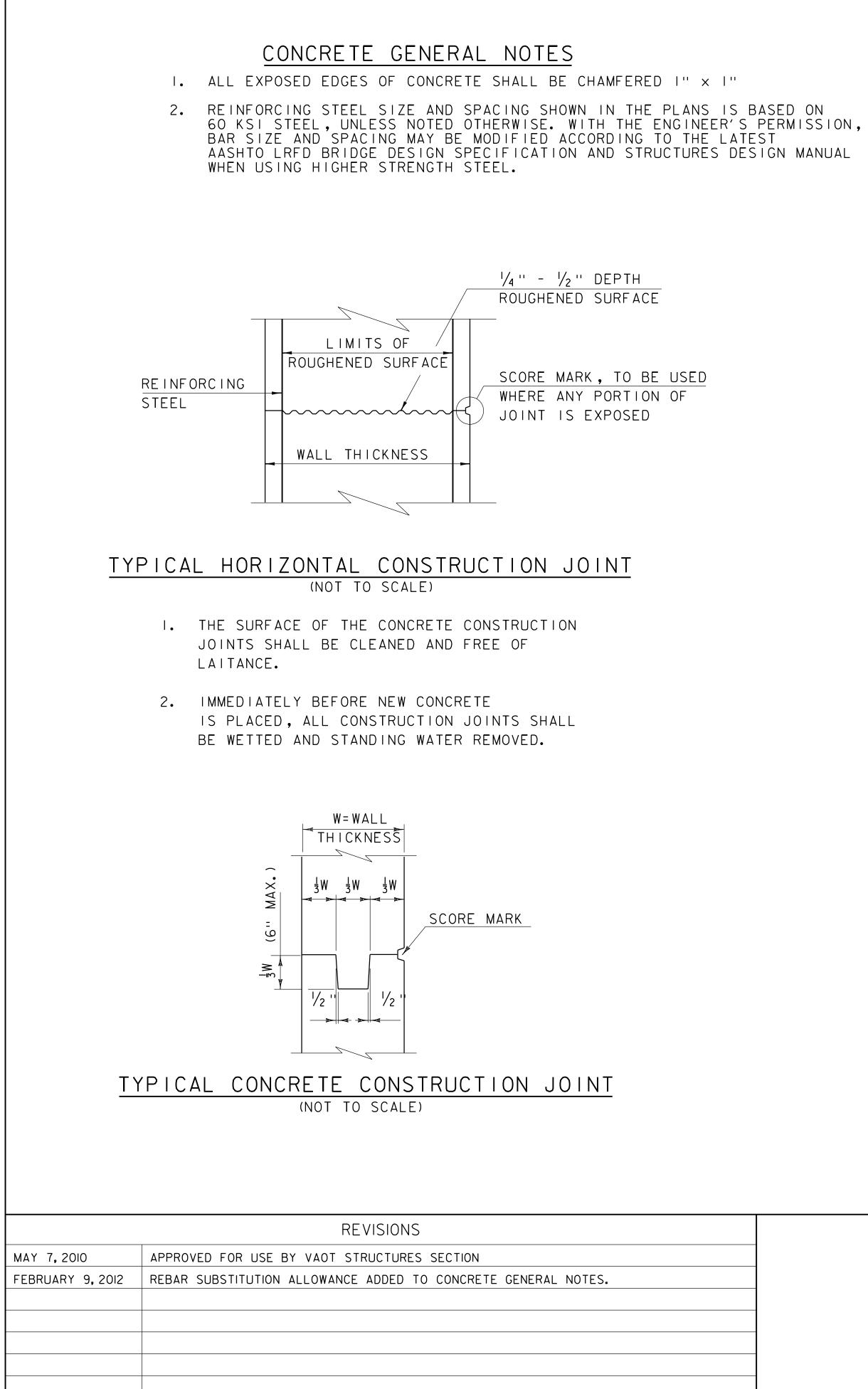




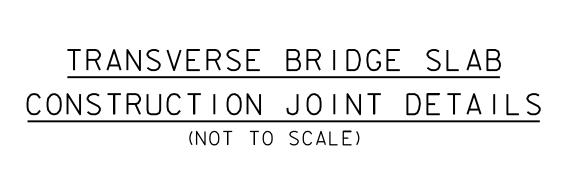
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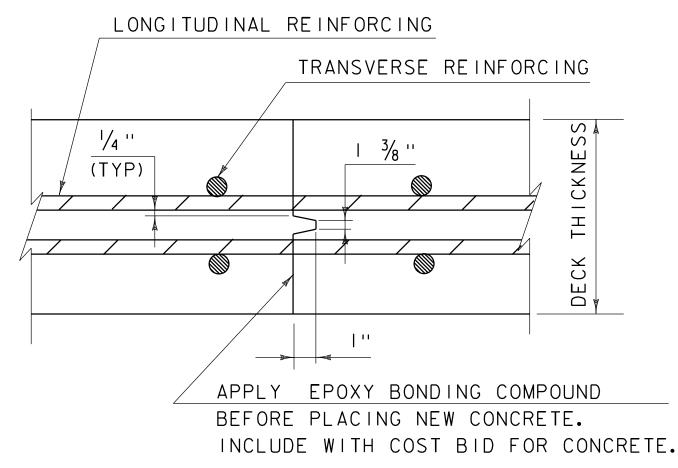
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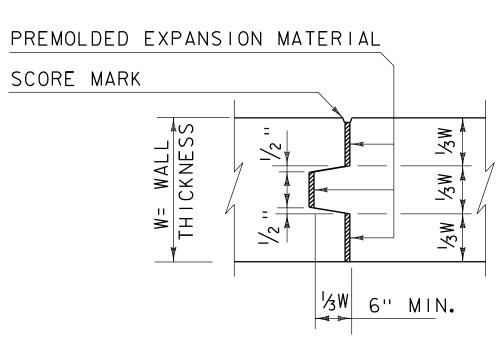






TYPICAL CONCRETE EXPANSION JOINT (NOT TO SCALE)

¾'' (TYP)



74

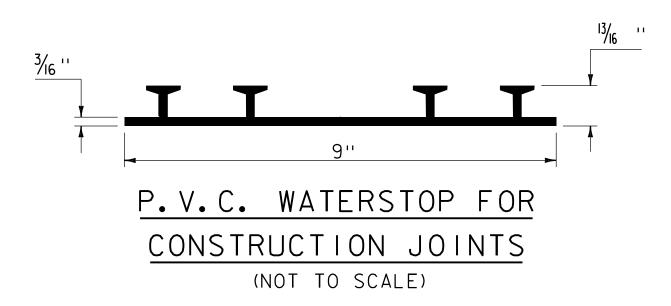
SCORE MARK DETAIL

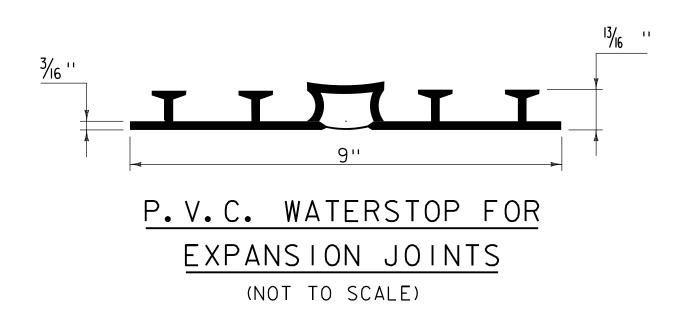
(NOT TO SCALE)

1/2 " (TYP)

PAYMENT FOR THE P.V.C. WATERSTOP SHALL BE INCIDENTAL TO THE UNIT BID PRICE FOR THE ADJACENT CONCRETE.

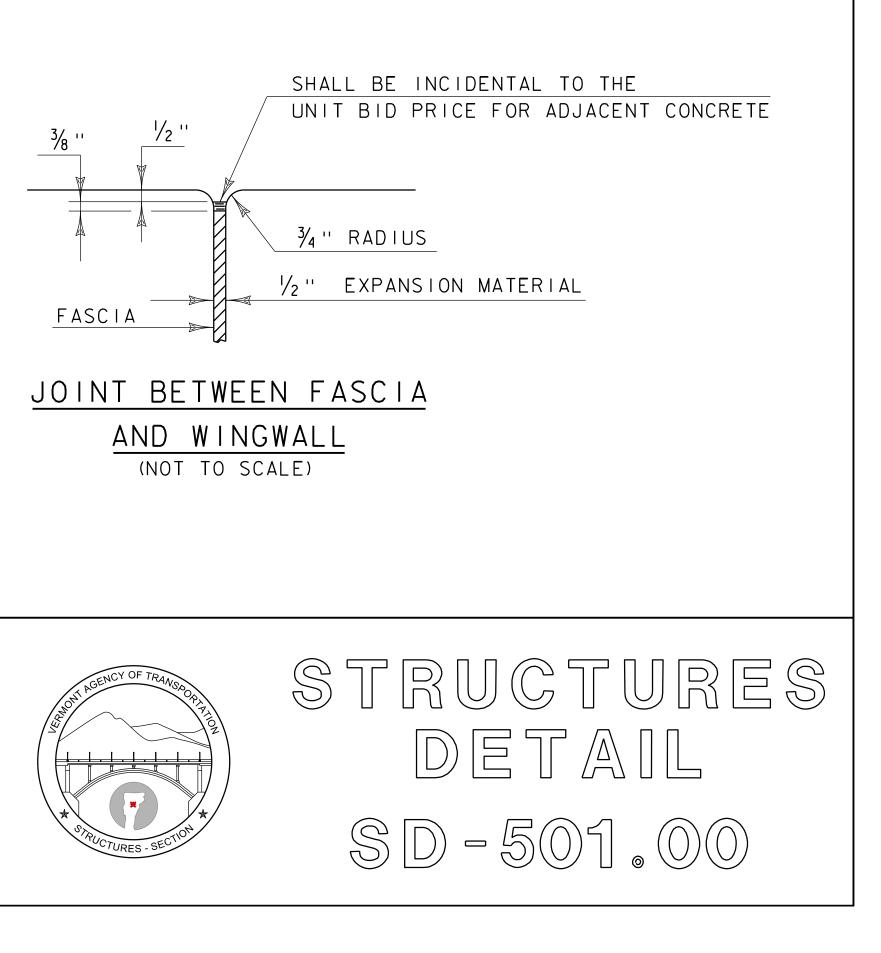
OTHER CONFIGURATIONS OF WATERSTOP MAY BE USED UPON APPROVAL OF THE ENGINEER.

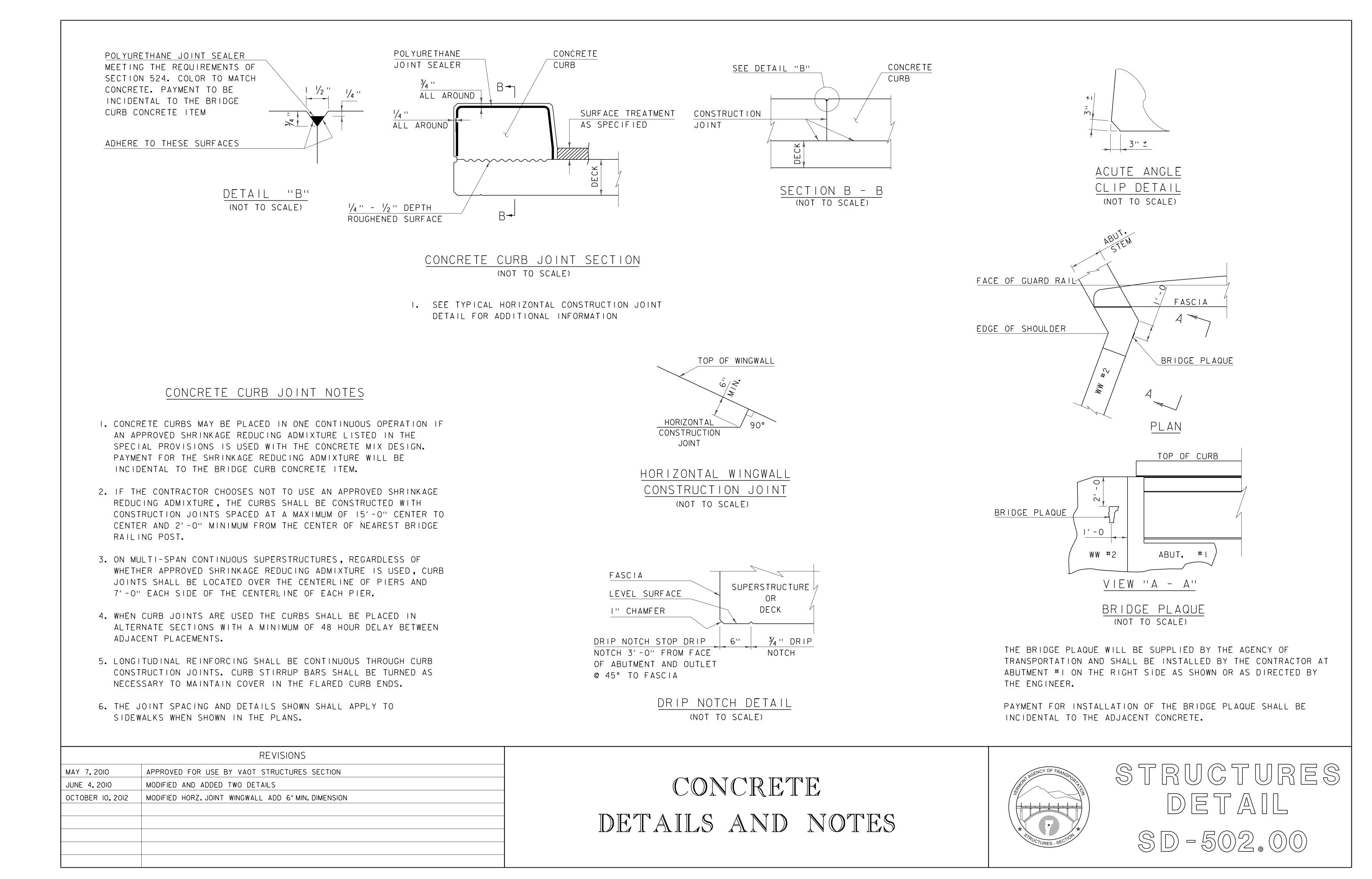


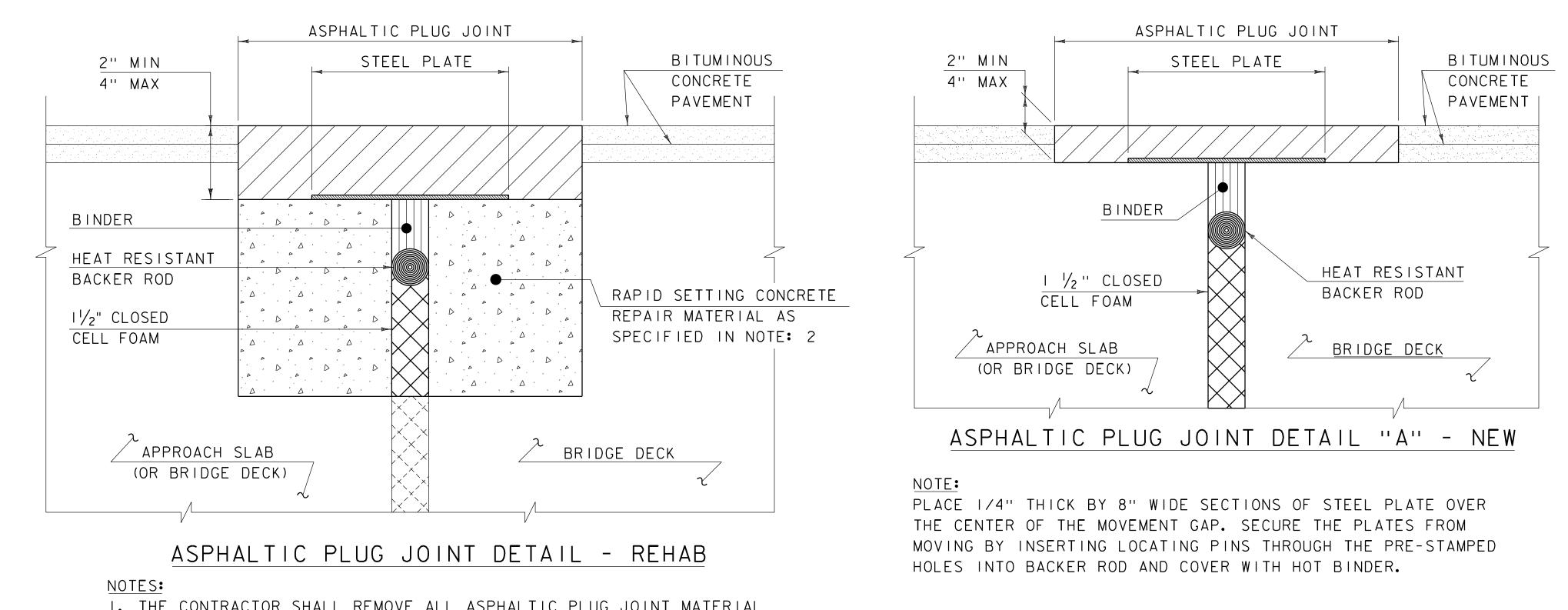


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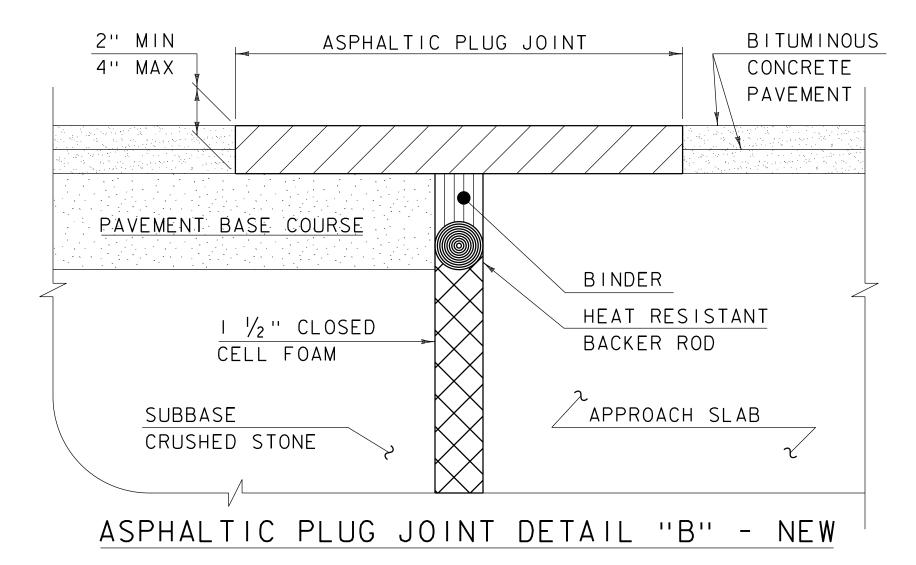






- I. THE CONTRACTOR SHALL REMOVE ALL ASPHALTIC PLUG JOINT MATERIAL AND DETERIORATED CONCRETE AS DIRECTED BY THE ENGINEER. REMOVAL OF THE FIRST 4 INCHES OF MATERIAL SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG. ANY REMOVAL OF MATERIAL GREATER THAN 4 INCHES SHALL BE INCLUDED IN THE BID PRICE OF ITEM 580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE.
- 2. THE CONTRACTOR SHALL REPLACE REMOVED MATERIAL THAT IS LESS THAN 4" FROM FINISHED GRADE WITH ASPHALTIC PLUG JOINT MATERIAL MEETING THE REQUIREMENTS OF SUBSECTION 707.15. ALL REMOVED MATERIAL THAT IS GREATER THAN 4 INCHES FROM FINISHED GRADE SHALL BE REPLACED WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 780.04.
- 3. REINFORCING STEEL NOT SHOWN FOR CLARITY.
- 4. PLACE 1/4" THICK BY 8" WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE THE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRE-STAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER. THE STEEL PLATES MAY BE OMITTED WHERE THE ENGINEER DETERMINES THAT THE APPROACH SLAB OR BRIDGE DECK WILL PROVIDE INADEQUATE SUPPORT AND WHERE VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.

DETAILS ON THIS SHEET ARE NOT TO SCALE.							
	REVISIONS						
MAY 7,2010	APPROVED FOR USE BY VAOT STRUCTURES SECTION						
AUGUST 29,2011	ADD DETAIL "B" AND REV. NOTES						



INSTALLATION:

- BINDER MATERIAL.
- 4
- MANUFACTURER.

WEATHER LIMITATIONS

APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS **RECOMMENDED BY THE MANUFACTURER:**

- 2. THE ROAD SURFACE IS DRY.

BRIDGE JOINT ASPHALTIC PLUG

ASPHALTIC PLUG JOINT NOTES

1. LOCATE THE JOINT CENTRALLY OVER THE DECK OVERLAY EXPANSION GAP OR FIXED JOINT. MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.

REMOVE THE BITUMINOUS CONCRETE PAVEMENT FULL DEPTH AS SHOWN ON THE PLANS. THE PAVEMENT SHALL BE DRY AND SAW CUT TO THE LIMITS REQUIRED TO PLACE THE JOINT. A PNEUMATIC HAMMER AND CHISEL MAY BE USED ADJACENT TO THE CURB ONLY WHEN SAW CUTTING IS NOT POSSIBLE.

BLAST CLEAN THE JOINT AREA OF DEBRIS, ASPHALT AND SHEET MEMBRANE. THOROUGHLY DRY THE JOINT AREA WITH COMPRESSED AIR PRIOR TO APPLYING

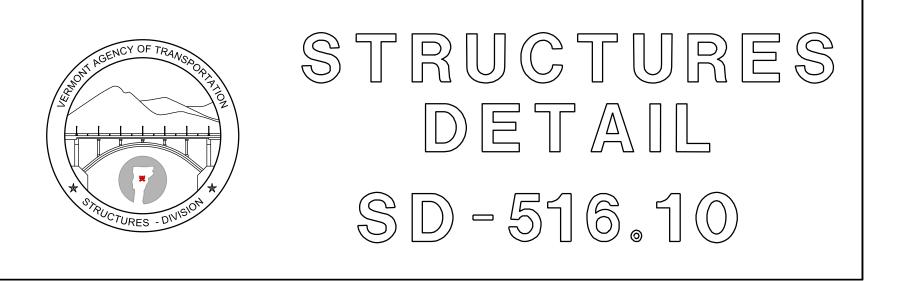
PLACE PROPERLY SIZED HEAT RESISTANT BACKER ROD IN THE MOVEMENT GAP ALLOWING FOR 1" +/- OF BINDER ABOVE THE ROD.

5. HEAT AND PLACE THE BINDER MATERIAL AS RECOMMENDED BY THE

6. IMMEDIATELY AFTER TOP COATING. CAST AN ANTI-SKID MATERIAL OVER THE JOINT TO REDUCE THE RISK OF TRACKING.

1. THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 DEG C (50 DEG F) AND RISING.

3. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.



	REVISIONS
MAY 7,2010	APPROVED FOR USE BY VAOT STRUCTURES SECTION
JUNE 4,2010	MODIFIED NOTES

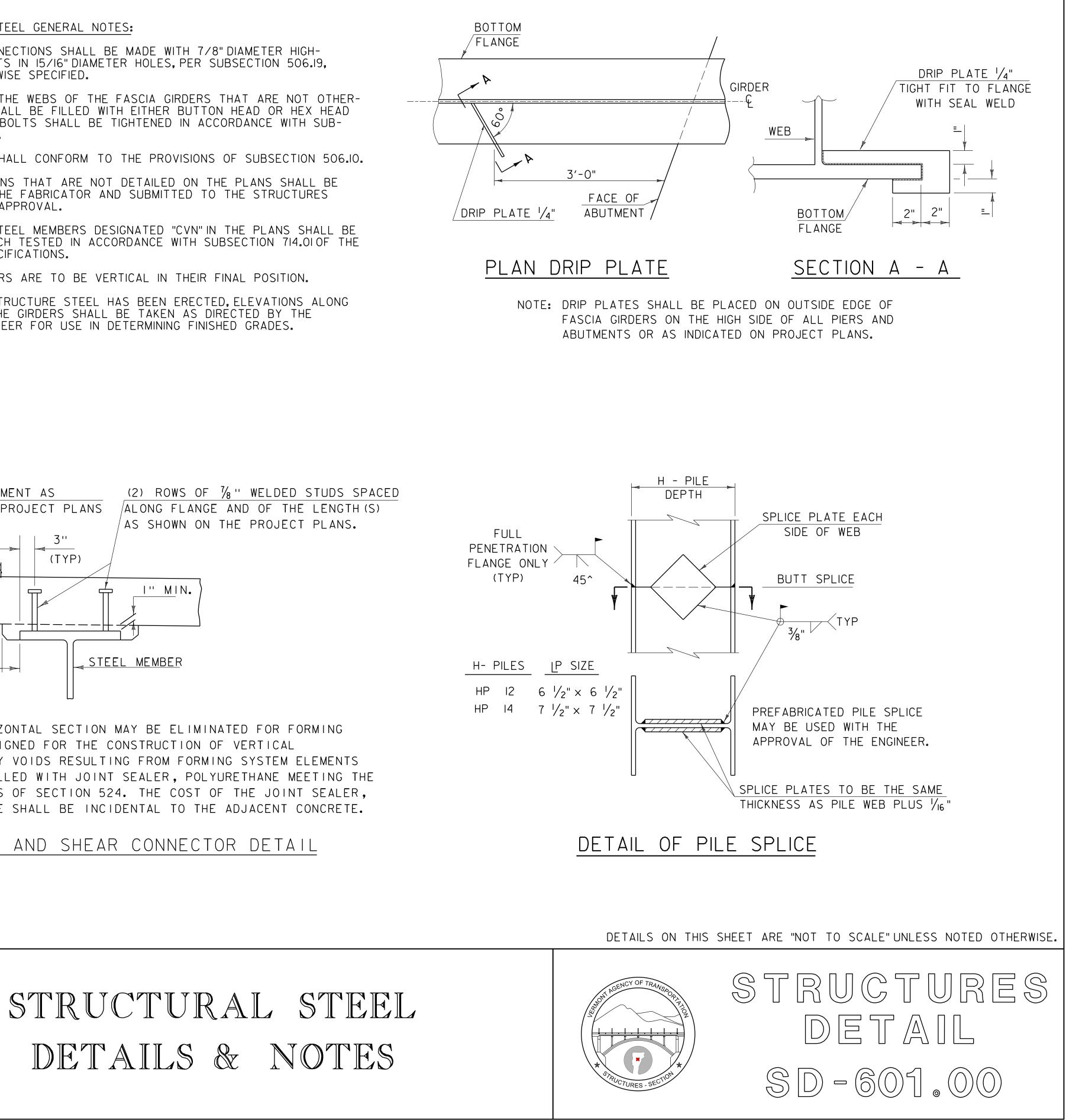
STRUCTURAL STEEL GENERAL NOTES:

- I. ALL FIELD CONNECTIONS SHALL BE MADE WITH 7/8" DIAMETER HIGH-STRENGTH BOLTS IN 15/16" DIAMETER HOLES. PER SUBSECTION 506.19. UNLESS OTHERWISE SPECIFIED.
- 2. ALL HOLES IN THE WEBS OF THE FASCIA GIRDERS THAT ARE NOT OTHER-WISE FILLED. SHALL BE FILLED WITH EITHER BUTTON HEAD OR HEX HEAD BOLTS. THESE BOLTS SHALL BE TIGHTENED IN ACCORDANCE WITH SUB-SECTION 506.19.
- 3. ALL WELDING SHALL CONFORM TO THE PROVISIONS OF SUBSECTION 506.0.
- 4. ANY CONNECTIONS THAT ARE NOT DETAILED ON THE PLANS SHALL BE DETAILED BY THE FABRICATOR AND SUBMITTED TO THE STRUCTURES ENGINEER FOR APPROVAL.
- 5. STRUCTURAL STEEL MEMBERS DESIGNATED "CVN" IN THE PLANS SHALL BE CHARPY V-NOTCH TESTED IN ACCORDANCE WITH SUBSECTION 714.01 OF THE STANDARD SPECIFICATIONS.
- 6. ENDS OF GIRDERS ARE TO BE VERTICAL IN THEIR FINAL POSITION.
- 7. AFTER SUPERSTRUCTURE STEEL HAS BEEN ERECTED. ELEVATIONS ALONG THE TOP OF THE GIRDERS SHALL BE TAKEN AS DIRECTED BY THE RESIDENT ENGINEER FOR USE IN DETERMINING FINISHED GRADES.

REQUIREMENTS OF SECTION 524. THE COST OF THE JOINT SEALER,

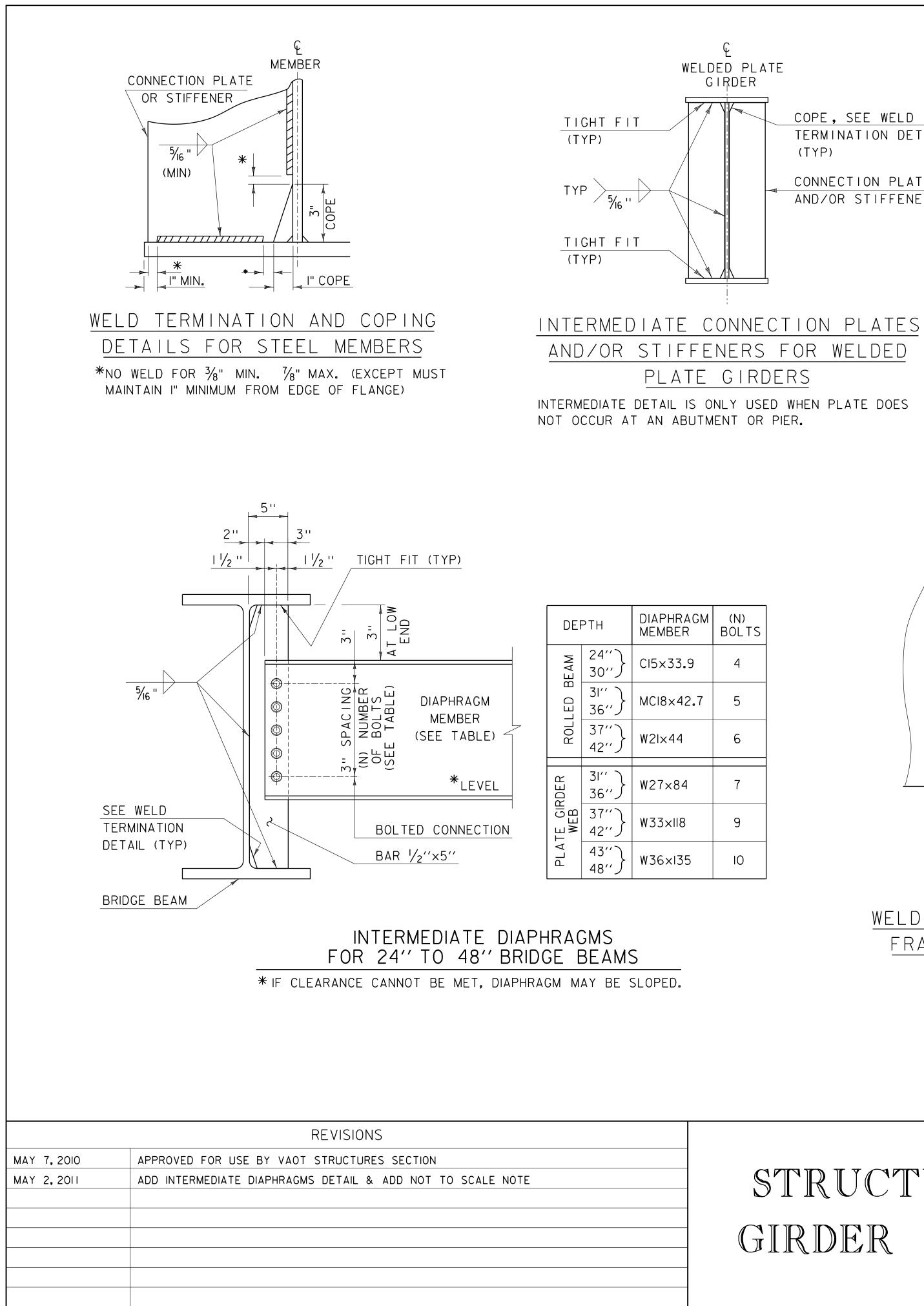
POLYURETHANE SHALL BE INCIDENTAL TO THE ADJACENT CONCRETE.

HAUNCH AND SHEAR CONNECTOR DETAIL

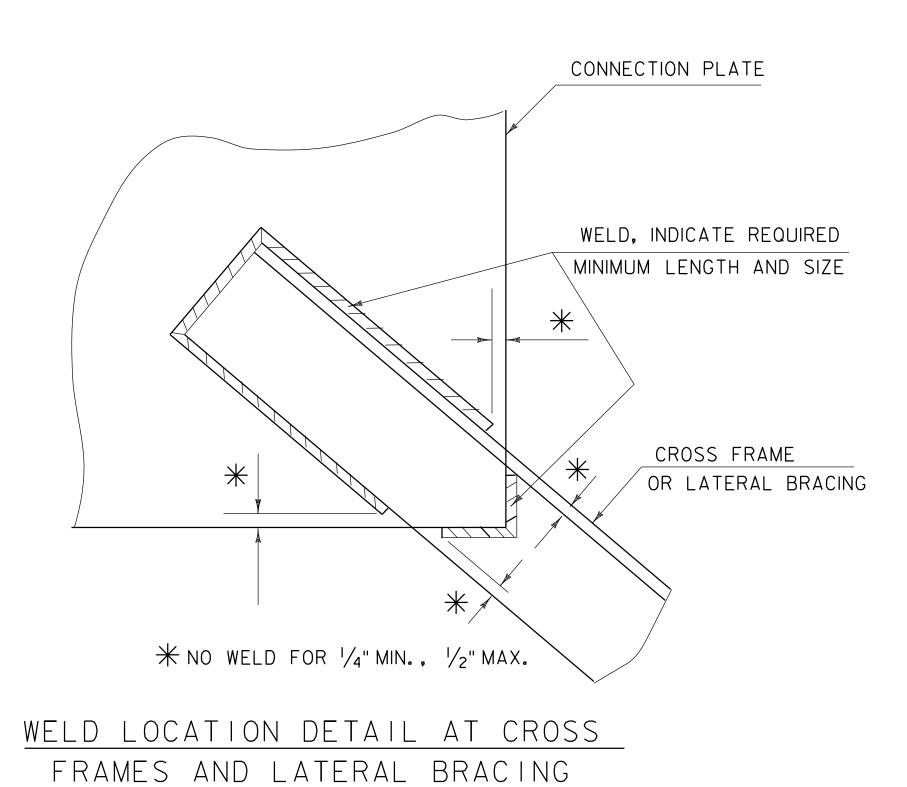


SURFACE TREATMENT AS	(2) ROWS OF 7/8'' WELDED STUDS SPACED Along flange and of the length(s)	
UND UN THE ON THE CLETTERMS	AS SHOWN ON THE PROJECT PLANS.	FULL PENETRATION FLANGE ONLY (TYP) 45
3'' (TYP) (SEE NOTE)	<u>EEL MEMBER</u>	<u>H-PILES [PSI]</u> HP I2 6 / ₂ " x
NOTE:		HP I4 7 ^I / ₂ " ×
SYSTEMS DESIGNED FOR THE HAUNCHES.ANY VOIDS RESULT	MAY BE ELIMINATED FOR FORMING CONSTRUCTION OF VERTICAL ING FROM FORMING SYSTEM ELEMENTS T SEALER, POLYURETHANE MEETING THE	

DETAILS & NOTES

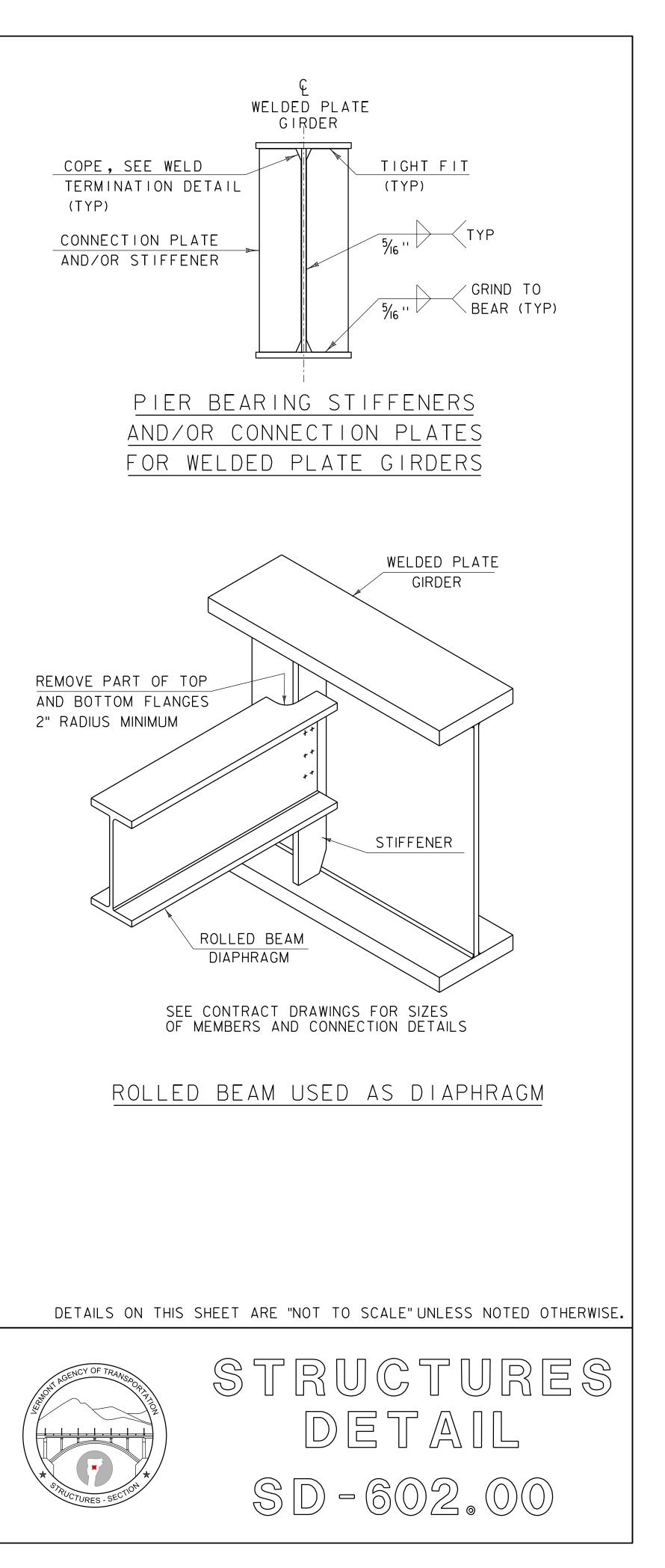


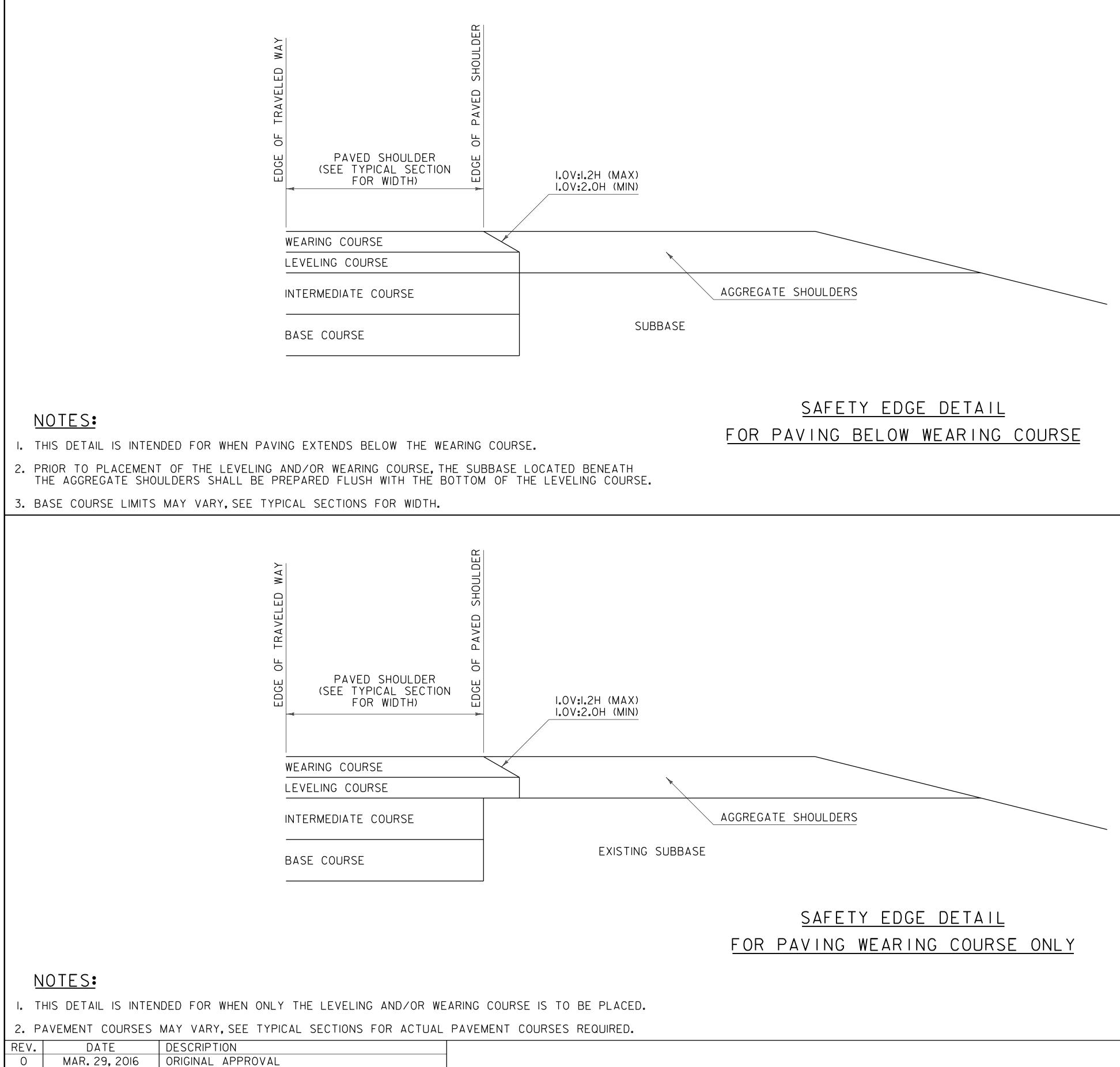
STRUCTURAL STEEL PLATE GIRDER DETAILS AND NOTES



ABUTMENT BEARING STIFFENERS AND/OR CONNECTION PLATES FOR WELDED PLATE GIRDERS

WELDED PLATE WELDED PLATE GIRDER COPE, SEE WELD COPE, SEE WELD TERMINATION DETAIL TERMINATION DETAIL (TYP) (TYP) CONNECTION PLATE CONNECTION PLATE AND/OR STIFFENER AND/OR STIFFENER GRIND TO BEAR (TYP)





	JAN. 5, 2018	ANNOTATION CORRECTIONS
OTHER	DETAILS REQUIRED	NONE
	DETAILS APPROVED	FOR USE BY HIGHWAY SAFETY & DESIGN
-		

SAFETY EDGE DETAILS

	BASED ON WEARING AND A IV:1.6H SLOPE		
WEARING COURSE THICKNESS (INCHES)	NOMINAL SAFETY EDGE WIDTH (INCHES)		
I . 25	2.000		
I . 50	2.375		
I . 75	2.750		
2.00	3.125		
2.25	3.500		
2.50	4.000		

GENERAL NOTES:

- I. PLACEMENT OF THE WEARING COURSE SHALL INCLUDE THE SAFETY EDGE, UNLESS THE FOLLOWING APPLIES:
 - A. THE ADJACENT SLOPE IS STEEPER THAN THE SAFETY
 - EDGE. THE EDGE OF PAVEMENT BEING PLACED ABUTS BOUND Β.
 - MATERIAL. C. VEHICLES ARE RESTRICTED FROM LEAVING THE PAVED SURFACE (EXAMPLE: GUARDRAIL).
- 2. THE SAFETY EDGE SHALL BE FORMED IN SUCH A WAY THAT THE BITUMINOUS CONCRETE PAVEMENT IS EXTRUDED OR COMPRESSED TO FORM THE SLOPE. DEVICES THAT SIMPLY STRIKE-OFF THE MIX WITHOUT PROVIDING ANY COMPACTIVE EFFORT WILL NOT BE ALLOWED.
- 3. THE SAFETY EDGE SHALL NOT BE CONSIDERED PART OF THE PAVED SHOULDER.
- 4. THIS WORK SHALL BE INCIDENTAL TO THE RESPECTIVE BITUMINOUS CONCRETE PAVEMENT ITEM.



HIGHWAY SAFETY & DESIGN DETAIL

HSD - 400.01