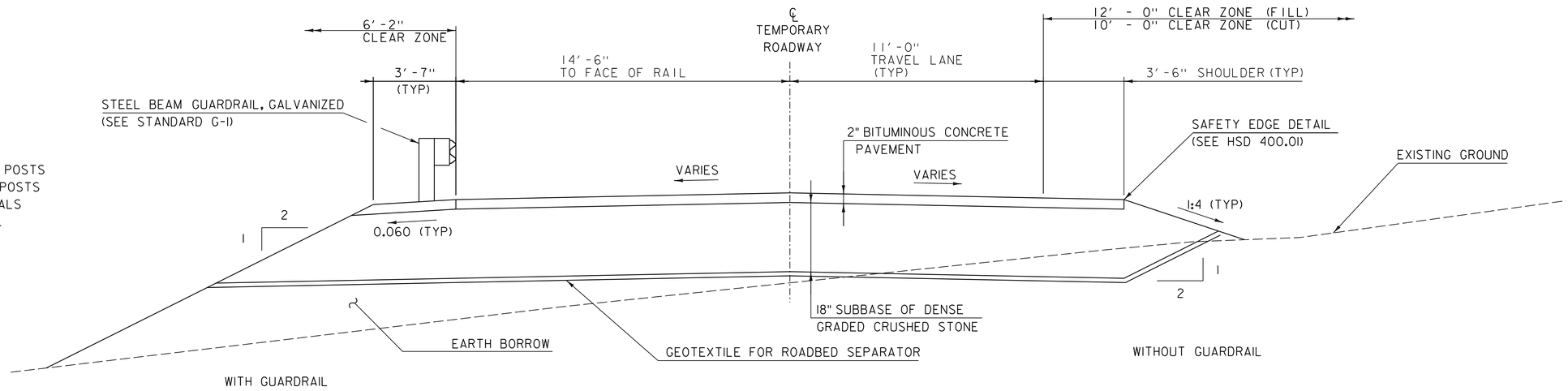
SHEET INDEX

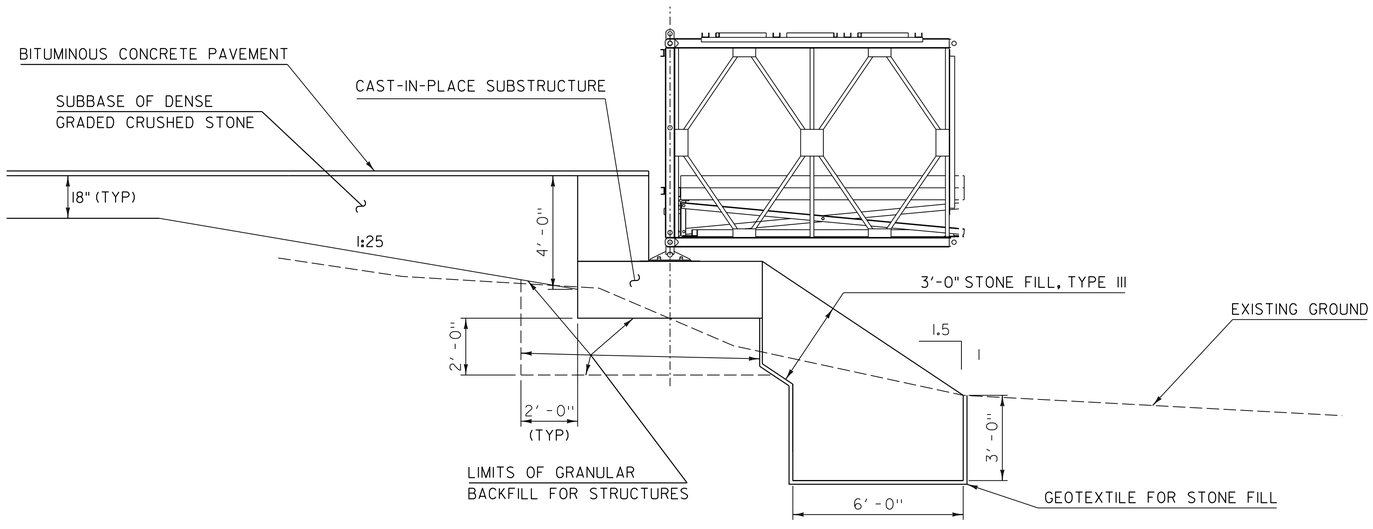
STANDARDS

STD. #	TITLE
G-1	STEEL BEAM GUARDRAIL WITH STEEL POSTS
	STEEL BEAM GUARDRAIL WITH WOOD POSTS
G-1D	STEEL BEAM GUARDRAIL END TERMINALS
	ANCHOR FOR STEEL BEAM GUARDRAIL
	STEEL BEAM MEDIAN BARRIER



TEMPORARY ROADWAY TYPICAL

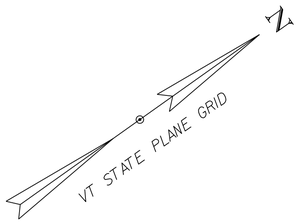
NOT TO SCALE

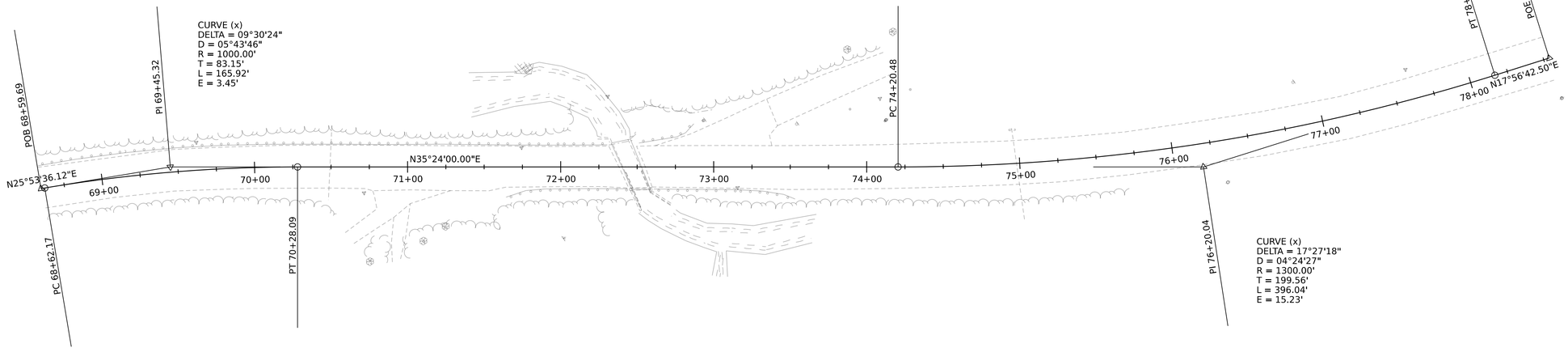


TEMPORARY BRIDGE ABUTMENT TYPICAL

NOT TO SCALE

PROJECT NAME:	VT110 B15 EMERGENCY TEMPORARY
PROJECT NUMBER:	
FILE NAME: VT110BR15typ.dgn	PLOT DATE: 1-AUG-2023
PROJECT LEADER: J. GRIFFIN	DRAWN BY: R. HOOD
DESIGNED BY: R. HOOD	CHECKED BY: J. GRIFFIN
TYPICAL SECTIONS	SHEET 1 OF 6





SCALE 1" = 40'-0"

40 0 40

PROJECT NAME:	VT110 B15 EMERGENCY TEMPORARY		
PROJECT NUMBER:			
FILE NAME:	VT110BR15bdr_40_Scale_ALG	PLOT DATE:	1-AUG-2023
PROJECT LEADER:	J. GRIFFIN	DRAWN BY:	R. HOOD
DESIGNED BY:	R. HOOD	CHECKED BY:	J. GRIFFIN
ALIGNMENT		SHEET	2 OF 6

Alignment Name: VT110 BRIDGE15 ALIGNMENT

		Station	Northing	Easting
Element: Linear				
POB	(POB)	6859.69	567349.21	1649535.79
PC	(PC)	6862.17	567351.43	1649536.88
	Tangential Direction:	N25.893°E		
	Tangential Length:	2.47		
Element: Circular				
PC	(PC)	6862.17	567351.43	1649536.88
PI	(PI)	6945.32	567426.24	1649573.19
CC	(CC)		566914.73	1650436.48
PT	(PT)	7028.09	567494.01	1649621.36
	Radius:	1000.00		
	Delta:	9.507° Right		
	Degree of Curvature (Arc):	5.730°		
	Length:	165.92		
	Tangent:	83.15		
	Chord:	165.73		
	Middle Ordinate:	3.44		
	External:	3.45		
	Back Tangent Direction:	N25.893°E		
	Back Radial Direction:	S64.107°E		
	Chord Direction:	N30.647°E		
	Ahead Radial Direction:	S54.600°E		
	Ahead Tangent Direction:	N35.400°E		
Element: Linear				
PT	(PT)	7028.09	567494.01	1649621.36
PC	(PC)	7420.477	567813.86	1649848.66
	Tangential Direction:	N35.400°E		
	Tangential Length:	392.39		

Element: Circular				
PC	(PC)	7420.48	567813.86	1649848.66
PI	(PI)	7620.04	567976.53	1649964.26
CC	(CC)		568566.93	1648788.99
PT	(PT)	7816.52	568166.39	1650025.75
	Radius:	1300.00		
	Delta:	17.455° Left		
	Degree of Curvature (Arc):	4.407°		
	Length:	396.04		
	Tangent:	199.57		
	Chord:	394.51		
	Middle Ordinate:	15.05		
	External:	15.23		
	Back Tangent Direction:	N35.400°E		
	Back Radial Direction:	S54.600°E		
	Chord Direction:	N26.673°E		
	Ahead Radial Direction:	S72.055°E		
	Ahead Tangent Direction:	N17.945°E		
Element: Linear				
PT	(PT)	7816.52	568166.39	1650025.75
POE	(POE)	7853.78	568201.84	1650037.23
	Tangential Direction:	N17.945°E		
	Tangential Length:	37.27		

PROJECT NAME: VT110 B15 EMERGENCY TEMPORARY

PROJECT NUMBER:

FILE NAME: VT110BR15alignment_data.dgn
PROJECT LEADER: J. GRIFFIN
DESIGNED BY: R. HOOD
ALIGNMENT DATA

PLOT DATE: 1-AUG-2023
DRAWN BY: R. HOOD
CHECKED BY: J. GRIFFIN
SHEET 3 OF 6

N

VT STATE PLANE GRID

℄ ABUTMENT 1
STA 72+17.00

℄ ABUTMENT 2
STA 72+77.00

1

VT ROUTE 110
TO CHELSEA

VT ROUTE 110
TO WASHINGTON

70+00

71+00

72+00

73+00

74+00

75+00

SCALE 1" = 20'-0"

20 0 20

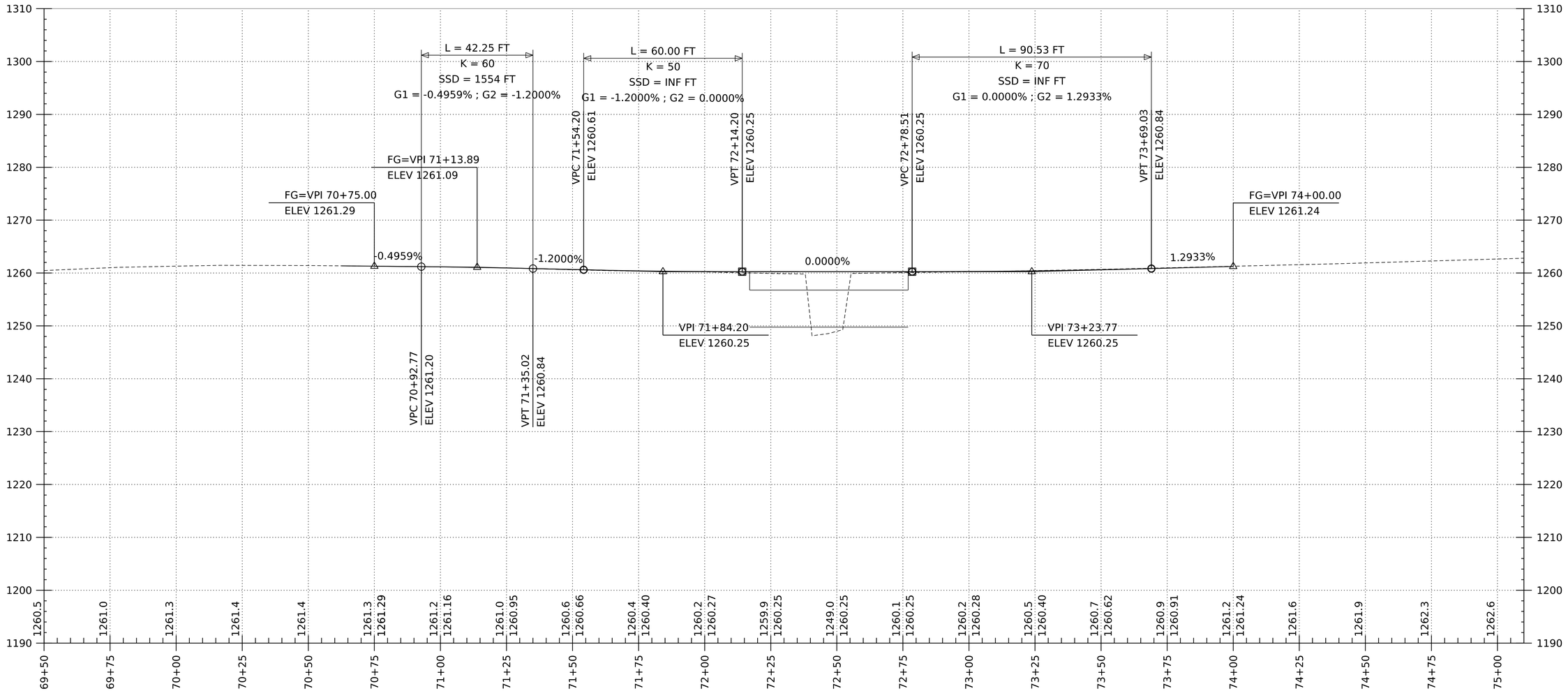
REVISION	DATE	DESCRIPTION	BY
1	08-01-2023	UPDATED SIDE ROAD AND GUARDRAIL LIMITS	REH

PROJECT NAME: VT110 B15 EMERGENCY TEMPORARY

PROJECT NUMBER:

FILE NAME: VT110BR15bdr.dgn
PROJECT LEADER: J. GRIFFIN
DESIGNED BY: R. HOOD
TEMP LAYOUT

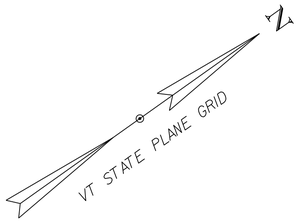
PLOT DATE: 1-AUG-2023
DRAWN BY: R. HOOD
CHECKED BY: J. GRIFFIN
SHEET 4 OF 6

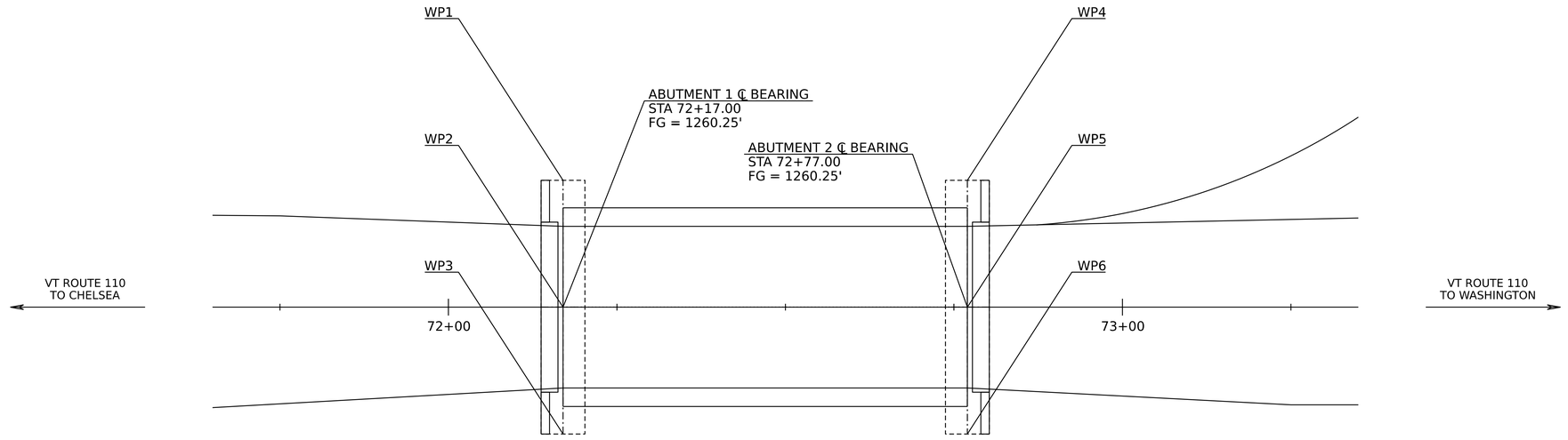


NOTE:
GRADES SHOWN TO THE NEAREST TENTH ARE EXISTING GROUND ALONG ℄
GRADES SHOWN TO THE NEAREST HUNDREDTH ARE FINISH GRADE ALONG ℄

HORIZONTAL SCALE: 1" = 20'-0"
VERTICAL SCALE: 1" = 10'-0"

PROJECT NAME:	VT110 B15 EMERGENCY TEMPORARY
PROJECT NUMBER:	
FILE NAME: VT110BR15profile.dgn	PLOT DATE: 1-AUG-2023
PROJECT LEADER: J. GRIFFIN	DRAWN BY: R. HOOD
DESIGNED BY: R. HOOD	CHECKED BY: J. GRIFFIN
PROFILE	SHEET 5 OF 6





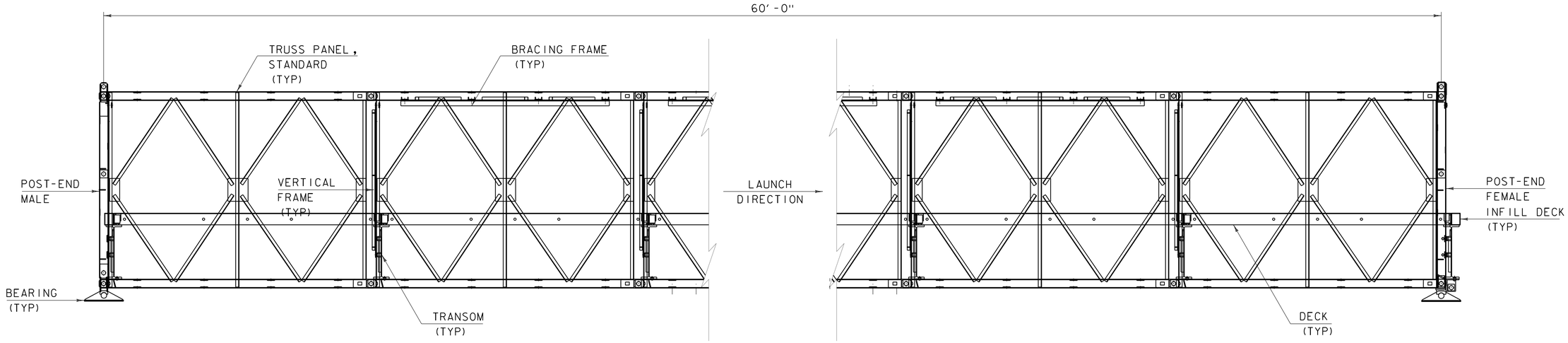
Point	Description	Northing	Easting	BOF Elevation
WP1	Abutment 1 LT Limit	567658.9105	1649715.4342	1254.76'
WP2	Abutment 1 CL	567647.9997	1649730.7872	1254.76'
WP3	Abutment 1 RT Limit	567637.0890	1649746.1401	1254.76'
WP4	Abutment 2 LT Limit	567707.8182	1649750.1911	1254.76'
WP5	Abutment 2 CL	567696.9074	1649765.5440	1254.76'
WP6	Abutment 2 RT Limit	567685.9967	1649780.8970	1254.76'

SCALE 1" = 10'-0"
10 0 10

PROJECT NAME: VT110 B15 EMERGENCY TEMPORARY
PROJECT NUMBER:

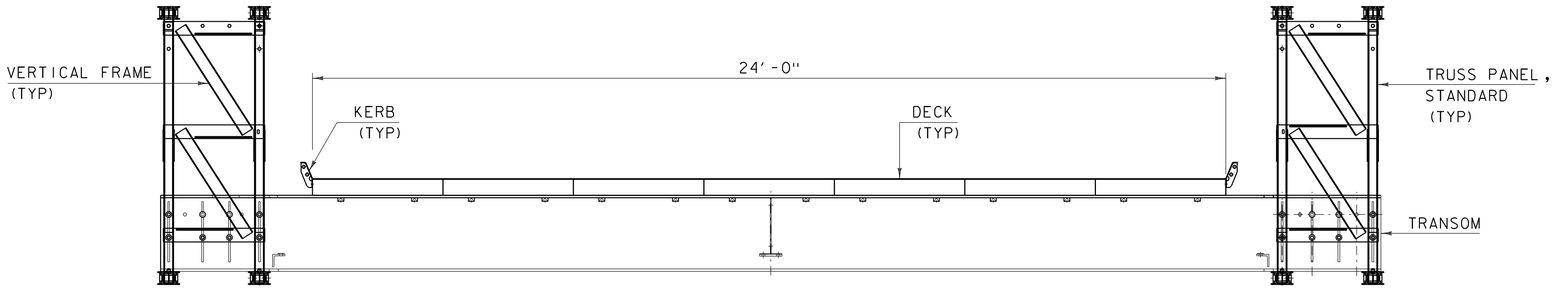
FILE NAME: VT110BR15sub_WP.dgn
PROJECT LEADER: J. GRIFFIN
DESIGNED BY: R. HOOD
TEMP BRIDGE LAYOUT

PLOT DATE: 1-AUG-2023
DRAWN BY: R. HOOD
CHECKED BY: J. GRIFFIN
SHEET 6 OF 6



ELEVATION VIEW

SCALE ½" = 1'-0"



TWO LANE TYPICAL (DS)

SCALE ½" = 1'-0"

PARTS LIST

PART NO.	DESCRIPTION	QUANTITY NEEDED	PART WIEGHT (LBS)	TOTAL WEIGHT (LBS)
MC 19	BEARING-SINGLE	8	38.96	311.68
MC 200	PANEL-200-STD	24	628.00	15072.00
MC 201	PANEL-200-HIGH SHEAR	0	738.00	0.00
MC 222	BRACE-VERTICAL	12	36.14	433.68
MC 236	PLATE-BEARING	8	22.50	180.00
MC 300	KERB	12	78.80	945.60
MC 302	CHORD REINFORCEMENT-STD-3 m	0	178.00	0.00
MC 304	CHORD REINFORCEMENT-HVY-3 m	0	200.00	0.00
MC 307	PIN-PANEL	56	5.58	312.48
MC 307A	CLIP-PANEL PIN	112	0.22	24.64
MC 317	POST-END MALE 200	4	161.00	644.00
MC 318	POST-END FEMALE 200	4	185.00	740.00
MC 331	SWAYBRACE-EW	24	82.90	1989.60
MC 366	INFILL DECK -EOB-7.35	2	260.00	520.00
MC 359	BRACING FRAME-730	8	136.90	1095.20
MC 360	DECK 1050 mm	42	674.00	28308.00
MC 378	SCREW DECK CLAMP	196	0.35	68.60
MC 379	NUT DECK CLAMP -M20	196	0.48	94.08
MC 418	VERTICAL FRAME-730	10	136.30	1363.00
MC 419	TIE BEAM-730	4	19.30	77.20
MC 430	BOLT-BRACING SHORT	162	0.96	155.52
MC 431	BOLT-TRANSOM	96	1.60	153.60
MC 433	BOLT-CHORD SHORT	0	2.00	0.00
MC 436	NUT-FLANGED	258	0.31	79.98
MC 457	TRANSOM-7.35-SDK-MS250-AR	7	2856.00	19992.00
		TOTAL WEIGHT OF BRIDGE		*72560.86*
		WEIGHT WITHOUT DECK		*42624.58*

STATE OF VERMONT
AGENCY OF TRANSPORTATION

VTrans Working to Get You There
VERMONT AGENCY OF TRANSPORTATION

MABEY BRIDGE DETAIL
TWO LANE TYPICAL
60 FOOT SPAN
HS25 LOADING