

Element	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD	Element	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD	Element	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT 191+95.00	579.15	160	-0.02%					Symmetrical Parabola	PVRC 214+10.00	584.51	90	-2.07%	-0.88%	75.32	0.13		Symmetrical Parabola	PVC 233+40.00	631.78	90	5.19%	5.61%	214.6	0.05	
	POVT 192+00.00	579.15								POVC 214+50.00	583.78								POVC 233+50.00	632.3						
	POVT 192+50.00	579.14								PVI 214+55.00	583.57								PVI 233+85.00	634.11						
	POVT 193+00.00	579.13								PVT 215+00.00	583.18								POVC 234+00.00	634.98						
	POVT 193+50.00	579.11								PVT 215+00.00	583.18								PVT 234+30.00	636.64						
	PVC 193+55.00	579.11								POVT 215+50.00	582.74								PVT 234+30.00	636.64						
Symmetrical Parabola	PVC 193+55.00	579.11	350	-0.02%	0.20%	1538	0.1		Symmetrical Parabola	PVC 215+80.00	582.47	100	-0.88%	0.74%	61.64	0.2		Linear	PVT 234+30.00	636.64	182.5	5.61%				
	VLOW 193+92.69	579.11								POVC 216+00.00	582.33								POVT 234+30.00	636.64						
	POVC 194+00.00	579.11								PVI 216+30.00	582.04								POVT 235+00.00	640.56						
	POVC 194+50.00	579.12								VLOW 216+34.22	582.24								POVT 235+50.00	643.37						
	POVC 195+00.00	579.14								POVC 216+50.00	582.26								POVT 236+00.00	646.18						
	PVI 195+30.00	579.07								PVT 216+80.00	582.41								PVC 236+12.50	646.88						
	POVC 195+50.00	579.19								POVT 216+80.00	582.41								PVC 236+12.50	646.88						
	POVC 196+00.00	579.25								PVT 217+00.00	582.56								POVC 236+50.00	648.87						
	POVC 196+50.00	579.32								POVT 217+00.00	582.56								POVC 237+00.00	651.19						
	POVC 197+00.00	579.41								POVT 217+50.00	582.93								PVI 237+25.00	653.19						
PVT 197+05.00	579.42	POVT 218+00.00	583.3	POVC 237+50.00	653.12																					
Linear	PVT 197+05.00	579.42	0.5	0.20%					Linear	PVC 218+10.00	583.37	130	0.74%					Symmetrical Parabola	PVRC 238+37.50	655.56	225	5.61%	2.11%	64.23	-0.99	420.54
	PVC 197+05.50	579.43								POVC 218+10.00	583.37								POVC 238+37.50	655.56						
Symmetrical Parabola	PVC 197+05.50	579.43	159	0.20%	0.45%	653.6	0.05		Symmetrical Parabola	POVC 218+50.00	583.69	180	0.74%	1.12%	473.1	0.09		Symmetrical Parabola	POVC 238+50.00	655.83	95	2.11%	3.09%	96.97	0.12	
	POVC 197+50.00	579.53								PVI 219+00.00	584.04								PVI 238+85.00	656.56						
	PVI 197+85.00	579.59								POVC 219+00.00	584.13								POVC 239+00.00	657.08						
	POVC 198+00.00	579.69								POVC 219+50.00	584.62								PVT 239+32.50	658.03						
	POVC 198+50.00	579.88								PVT 219+90.00	585.05								PVT 239+32.50	658.03						
	PVT 198+64.50	579.94								PVT 219+90.00	585.05								POVT 239+50.00	658.57						
Linear	PVT 198+64.50	579.94	250.5	0.45%					Linear	POVT 220+00.00	585.16	42.5	1.12%					Symmetrical Parabola	PVC 240+05.00	660.26	72.5	3.09%				
	POVT 199+00.00	580.1								PVC 220+32.50	585.53								POVC 240+50.00	660.11						
	POVT 199+50.00	580.32								PVC 220+32.50	585.53								PVC 240+50.00	660.26						
	POVT 200+00.00	580.55								POVC 220+50.00	585.72								POVC 240+50.00	661.45						
	POVT 200+50.00	580.77								PVI 220+70.00	585.95								POVC 241+00.00	662.3						
	POVT 201+00.00	580.99								POVC 221+00.00	586.17								PVI 241+05.00	663.35						
Symmetrical Parabola	PVC 201+15.00	581.06	250	0.45%	1.69%	201.2	0.39		Symmetrical Parabola	PVT 221+07.50	586.23	60	0.75%					Linear	PVT 242+05.00	662.48	55	-0.87%				
	PVC 201+15.00	581.06								POVT 221+50.00	586.55								POVC 242+00.00	662.52						
	POVC 202+00.00	581.62								PVC 221+67.50	586.69								PVT 242+05.00	662.48						
	PVI 202+40.00	581.62								POVC 222+00.00	586.95								POVT 242+50.00	662.09						
	POVC 202+50.00	582.12								PVI 222+05.00	586.97								PVC 242+60.00	662.01						
	POVC 203+00.00	582.74								PVT 222+42.50	587.34								PVC 242+60.00	662.01						
Linear	PVT 203+65.00	583.73	127.5	1.69%					Linear	POVT 222+42.50	587.34	177.5	1.00%					Symmetrical Parabola	PVI 243+00.00	661.66	80	-0.87%	0.01%	91.71	0.09	
	POVT 203+65.00	583.73								POVT 222+50.00	587.42								POVC 243+00.00	661.75						
	POVT 204+00.00	584.32								POVT 223+00.00	587.92								VLOW 243+39.44	661.66						
	POVT 204+50.00	585.16								POVT 223+50.00	588.42								PVT 243+40.00	661.66						
	PVC 204+92.50	585.88								POVT 224+00.00	588.93								PVT 243+40.00	661.66						
	PVC 204+92.50	585.88								PVC 224+20.00	589.13								POVT 243+50.00	661.66						
Symmetrical Parabola	PVC 204+92.50	585.88	225	1.69%	-0.49%	103.4	-0.61	608.37	Symmetrical Parabola	POVC 224+20.00	589.13	300	1.00%	5.25%	70.6	1.59		Symmetrical Parabola	PVC 244+70.00	661.67	130	0.01%				
	POVC 205+00.00	586.01								POVC 224+50.00	589.49								POVC 244+00.00	661.67						
	POVC 205+50.00	586.69								POVC 225+00.00	590.38								POVT 244+50.00	661.67						
	POVC 206+00.00	587.14								POVC 225+50.00	591.63								PVC 244+70.00	661.67						
	PVI 206+05.00	587.78								PVI 225+70.00	590.63								POVC 245+00.00	661.69						
	POVC 206+50.00	587.34								POVC 226+00.00	593.23								PVI 245+10.00	661.67						
	VHIGH 206+67.13	587.36								POVC 226+50.00	595.18								PVT 245+50.00	661.78						
	POVC 207+00.00	587.31								POVC 227+00.00	597.49								POVT 245+50.00	661.78						
	PVT 207+17.50	587.23								PVT 227+20.00	598.52								POVT 246+00.00	661.92						
	PVT 207+17.50	587.23								PVT 227+20.00	598.52								POVT 246+50.00	662.05						
Linear	PVT 207+17.50	587.23	32.5	-0.49%					Linear	POVT 227+20.00	598.52	45	5.25%					Linear	POVT 247+00.00	662.18	175	0.27%				
	PVC 207+50.00	587.08								PVC 227+65.00	600.88								PVC 247+25.00	662.25						
Symmetrical Parabola	PVC 207+50.00	587.08	70	-0.49%	0.10%	118.3	0.05		Symmetrical Parabola	POVC 228+00.00	602.75	120	5.25%	5.87%	196.4	0.09		Symmetrical Parabola	PVC 247+25.00	662.25	200	0.27%	0.80%	377.1	0.13	
	PVI 207+85.00	586.91								POVC 228+25.00	604.03								POVC 248+00.00	662.53						
	POVC 208+00.00	586.94								POVC 228+50.00	605.53								PVI 248+25.00	662.52						
	VLOW 208+07.65	586.94								PVRC 228+85.00	607.55								POVC 248+50.00	662.8						
Linear	PVT 208+20.00	586.94	310	0.10%					Symmetrical Parabola	POVC 229+00.00	608.43	180	5.87%	5.19%	267	-0.15	1690.9	Symmetrical Parabola	PVT 249+25.00	663.32	75	0.80%				
	POVT 208+50.00	586.97								POVC 229+50.00	611.28								PVT 249+25.00	663.32						
	POVT 209+00.00	587.03								PVI 229+75.00	612.83								POVT 249+50.00	663.52						
	POVT 209+50.00	587.08								POVC 230+00.00	614.05								PVC 250+00.00	663.92						
	POVT 210+00.00	587.13								POVC 230+50.00	616.72								PVC 250+00.00	663.92						
	POVT 210+50.00	587.18								PVT 230+65.00	617.5								PVC 250+00.00	663.92						
	POVT 211+00.00	587.23								PVT 230+65.00	617.5								PVI 250+35.00	664.2						
	PVC 211+30.00	587.27								POVT 231+00.00	619.32								POVC 250+50.00	664.26						
	PVC 211+30.00	587.27								POVT 231+50.00	621.91								PVRC 250+70.00	664.36						
	PVC 211+30.00	587.27								POVT 232+00.00	624.51															
Symmetrical Parabola	VHIGH 211+43.41	587.27	280	0.10%	-2.07%	128.5	-0.76	635.3	Linear	POVT 232+50.00	627.11	275	5.19%													
	POVC 212+00.00	587.15								POVT 233+00.00	629.7															
	POVC 212+50.00	586.83								PVC 233+40.00	631.78															
	PVI 212+70.00	587.41																								
	POVC 213+00.00	586.32																								
	POVC 213+50.00	585.61																								
	POVC 214+00.00	584.71																								
	PVRC 214+10.00	584.51																								

PVC - POINT OF VERTICAL CURVATURE
PVT - POINT OF VERTICAL TANGENCY
PVI - POINT OF VERTICAL INTERSECTION
POVT - POINT ON VERTICAL TANGENT
POVC - POINT ON VERTICAL CURVE

PROJECT NAME: BETHEL-RANDOLPH
PROJECT NUMBER: STP 2921(I)
FILE NAME: z10c244.dgn
PROJECT LEADER: C. LATHROP
DESIGNED BY: S. LAMPHERE
VERTICAL ALIGNMENT TABLE SHEET 2
PLOT DATE: 4/23/2015
DRAWN BY: J. GOODALL
CHECKED BY: C. LATHROP
SHEET 127 OF 211