

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
Symmetrical Parabola	PVRC 250+70.00	664.36	300	0.44%	1.50%	284	0.4		Linear	PVT 270+70.00	691.1	395	1.40%					Symmetrical Parabola	PVC 293+97.50	752.25	475	8.32%	-6.51%	32.04	-8.8	262.95
	POVC 251+00.00	664.5								POVT 271+00.00	691.52								POVC 294+00.00	752.45						
	POVC 251+50.00	664.82								POVT 271+50.00	692.22								POVC 294+50.00	756.18						
	POVC 252+00.00	665.23								POVT 272+00.00	692.92								POVC 295+00.00	759.13						
	PVI 252+20.00	665.02								POVT 272+50.00	693.63								POVC 295+50.00	761.3						
	POVC 252+50.00	665.72								POVT 273+00.00	694.33								POVC 296+00.00	762.69						
	POVC 253+00.00	666.31								POVT 273+50.00	695.03								PVI 296+35.00	772						
	POVC 253+50.00	666.98								POVT 274+00.00	695.73								POVC 296+50.00	763.3						
	PVT 253+70.00	667.27								POVT 274+50.00	696.43								VHIGH 296+63.98	763.33						
Linear	PVT 253+70.00	667.27	70	1.50%					Symmetrical Parabola	PVC 274+65.00	696.64	300	1.40%	-3.58%	60.24	-1.87	366.69	Linear	PVT 298+72.50	756.54	72.5	-6.51%				
	POVT 254+00.00	667.72								PVC 274+65.00	696.64								POVC 297+00.00	754.75						
	PVC 254+40.00	668.32								POVC 275+00.00	697.03								PVC 299+45.00	751.82						
Symmetrical Parabola	PVC 254+40.00	668.32	180	1.50%	0.99%	354.7	-0.11	2216.52	Symmetrical Parabola	VHIGH 275+49.56	697.24	120	-3.58%				Symmetrical Parabola	POVC 299+50.00	751.5	250	-6.51%	-6.85%	737.9	-0.11	3310.11	
	POVC 254+50.00	668.47								POVC 275+50.00	697.24							POVC 300+00.00	748.22							
	POVC 255+00.00	669.17								POVC 276+00.00	697.03							POVC 300+50.00	744.91							
	PVI 255+30.00	669.67								PVI 276+15.00	698.75							PVI 300+70.00	743.69							
	POVC 255+50.00	669.8								POVC 276+50.00	696.4							POVC 301+00.00	741.57							
Linear	POVC 256+00.00	670.36	110	0.99%					Linear	POVC 277+00.00	695.36	210	-3.58%	-3.00%	362.9	0.15	Symmetrical Parabola	POVC 301+50.00	738.19	200	-6.85%	-6.32%	375.6	0.13		
	PVT 256+20.00	670.56								PVT 277+65.00	693.39							PVRC 301+95.00	735.13							
	PVT 256+20.00	670.56								PVT 277+65.00	693.39							PVRC 301+95.00	735.13							
Symmetrical Parabola	POVT 256+50.00	670.86	100	0.99%	1.41%	239.3	0.05		Symmetrical Parabola	PVC 278+85.00	689.09	32.5	-3.00%				Symmetrical Parabola	POVC 302+00.00	734.78	155	-6.32%					
	POVC 257+50.00	671.86								PVC 278+85.00	689.09							POVC 302+50.00	731.4							
	PVI 257+80.00	672.15								POVC 279+00.00	688.56							PVI 302+95.00	728.28							
Linear	POVC 258+00.00	672.45	70	1.41%					Linear	POVC 280+00.00	685.16	305	-3.00%	5.13%	37.51	3.1	Symmetrical Parabola	POVC 303+00.00	728.08	270	-6.32%	2.02%	32.38	2.81		
	PVT 258+30.00	672.85								POVC 280+50.00	683.57							POVC 303+50.00	724.83							
	POVT 258+50.00	673.14								PVT 280+95.00	682.19							PVT 303+95.00	721.96							
Symmetrical Parabola	PVC 259+00.00	673.84	190	1.41%	1.75%	551.9	0.08		Symmetrical Parabola	PVT 280+95.00	682.19	302.5	5.13%				Linear	PVT 303+95.00	721.96	97.5	2.02%					
	POVC 259+50.00	674.57								POVT 281+00.00	682.04							PVT 304+00.00	721.65							
	PVI 259+95.00	675.18								PVC 281+27.50	681.22							POVT 304+50.00	718.49							
Linear	POVC 260+00.00	675.34	105	1.75%					Symmetrical Parabola	POVC 281+50.00	680.61	180	5.13%	8.32%	56.54	0.72	Symmetrical Parabola	POVT 305+00.00	715.33	285	2.02%	-3.53%	51.28	-1.98	336.68	
	PVT 260+90.00	676.85								POVC 282+00.00	679.74							PVC 305+50.00	712.18							
	PVT 260+90.00	676.85								VLOW 282+39.94	679.53							POVC 305+50.00	712.18							
Symmetrical Parabola	POVC 260+50.00	676.16	370	1.75%	1.21%	678.4	-0.25	2163.68	Linear	POVC 282+50.00	679.54	482.5	8.32%				Linear	POVC 306+00.00	709.4	632.5	-3.53%					
	PVI 263+80.00	681.94								POVC 282+80.00	676.65							POVC 306+50.00	707.4							
	POVC 264+00.00	681.98								POVC 283+00.00	680.01							PVI 306+85.00	703.65							
	POVC 264+50.00	682.68								POVC 283+50.00	681.15							POVC 307+00.00	706.18							
	POVC 265+00.00	683.36								POVC 284+00.00	682.95							POVC 307+50.00	705.72							
	POVC 265+50.00	683.99								PVT 284+32.50	684.47							VLOW 307+54.45	705.72							
	PVT 265+65.00	684.17								PVT 284+32.50	684.47							POVC 308+00.00	706.04							
	PVT 265+65.00	684.17								POVT 284+50.00	685.37							PVT 308+20.00	706.38							
	POVT 266+00.00	684.6								POVT 285+00.00	687.94							PVT 308+20.00	706.38							
Linear	POVT 266+50.00	685.2	110	1.21%					Symmetrical Parabola	POVT 285+50.00	690.51	180	5.13%	8.32%	56.54	0.72	Symmetrical Parabola	POVT 308+50.00	706.99	285	2.02%	-3.53%	51.28	-1.98	336.68	
	PVC 266+75.00	685.5								POVT 286+00.00	693.07							PVC 309+00.00	708							
	PVC 266+75.00	685.5								POVT 286+50.00	695.64							PVC 309+17.50	708.36							
Symmetrical Parabola	POVC 267+00.00	685.82	110	1.21%	1.73%	209.3	0.07		Symmetrical Parabola	POVT 287+00.00	698.21	180	5.13%	8.32%	56.54	0.72	Symmetrical Parabola	POVC 309+50.00	708.91	285	2.02%	-3.53%	51.28	-1.98	336.68	
	PVI 267+30.00	686.17								PVC 287+35.00	700.01							POVC 310+00.00	709.36							
	POVC 267+50.00	686.54								POVC 287+50.00	700.8							VHIGH 310+21.33	709.41							
Linear	PVT 267+85.00	687.12	85	1.73%					Linear	POVC 288+00.00	703.72	482.5	8.32%				Linear	POVC 310+50.00	709.33	632.5	-3.53%					
	POVT 268+00.00	687.38								PVI 288+25.00	704.63							PVI 310+60.00	711.24							
	POVT 268+50.00	688.25								POVC 288+50.00	707.08							POVC 311+00.00	708.8							
Symmetrical Parabola	PVC 268+70.00	688.6	110	1.73%	0.92%	134.8	-0.11	1376.97	Symmetrical Parabola	POVC 289+00.00	710.88	482.5	8.32%				Linear	POVC 311+50.00	707.79	632.5	-3.53%					
	POVC 269+00.00	689.08								PVT 289+15.00	712.11							POVC 312+00.00	706.3							
	PVI 269+25.00	689.55								PVT 289+15.00	712.11							PVT 312+02.50	706.21							
Symmetrical Parabola	POVC 269+50.00	689.75	90	0.92%	1.40%	185.4	0.05		Symmetrical Parabola	POVT 289+50.00	715.02	482.5	8.32%				Linear	POVT 312+50.00	704.53	632.5	-3.53%					
	PVRC 269+80.00	690.06								POVT 290+00.00	719.18							POVT 313+00.00	702.76							
	POVC 270+00.00	690.25								POVT 290+50.00	723.34							POVT 313+50.00	701							
Symmetrical Parabola	PVI 270+25.00	690.47	90	0.92%	1.40%	185.4	0.05		Symmetrical Parabola	POVT 291+00.00	727.5	482.5	8.32%				Linear	POVT 314+00.00	699.23	632.5	-3.53%					
	POVC 270+50.00	690.83								POVT 291+50.00	731.66							POVT 314+50.00	697.46							
	PVT 270+70.00	691.1								POVT 292+00.00	735.82							POVT 315+00.00	695.7							

PVC - POINT OF VERTICAL CURVATURE
PVT - POINT OF VERTICAL TANGENCY
PVI - POINT OF VERTICAL INTERSECTION
POVT - POINT ON VERTICAL TANGENT
POVT - 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 3
PLOT DATE: 4/23/2015
DRAWN BY: J. GOODALL
CHECKED BY: C. LATHROP
SHEET 128 OF 211