

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD	Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD	Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD			
Linear	PVI	23+26.81	638.5	53.19	0.72%					Symmetrical Parabola	PVC	47+35.00	756.34	330	5.94%	1.91%	81.72	-1.67	432.25	Symmetrical Parabola	PVC	79+20.00	856.3	100	-0.20%	-0.25%	2000	-0.01	21633.01			
	POVT	23+50.00	638.67								POVC	47+50.00	757.22								POVC	79+50.00	856.24									
	PVC	23+80.00	638.89								PVI	49+00.00	766.15								PVI	79+70.00	856.2									
Symmetrical Parabola	PVC	23+80.00	638.89	100	0.72%	0.88%	655.31	0.02		Linear	PVC	51+15.00	770.25	50	1.91%					Symmetrical Parabola	PVT	80+20.00	856.08	120	-0.25%							
	POVC	24+00.00	639.04								POVC	49+00.00	764.48								PVI	81+90.00	855.65									
	PVI	24+30.00	639.25								POVC	49+50.00	766.29								PVC	81+40.00	855.78									
Linear	POVC	24+50.00	639.43	160	0.88%					Symmetrical Parabola	PVT	50+00.00	767.8	100	1.91%	2.22%	313.65	0.04		Linear	PVC	81+40.00	855.78	100	-0.25%	-0.23%	4133.33	0				
	PVT	24+80.00	639.69								PVT	50+50.00	768.99								PVC	82+40.00	855.54									
	POVT	25+00.00	639.86								PVT	50+65.00	769.29								POVC	81+50.00	855.75									
Symmetrical Parabola	POVT	25+50.00	640.3	150	0.88%	1.55%	223.89	0.13		Linear	PVC	51+15.00	770.25	100	1.91%	2.22%	313.65	0.04		Symmetrical Parabola	PVI	81+90.00	855.65	55	-0.23%							
	PVC	26+40.00	641.09								PVC	51+50.00	770.93								PVC	82+00.00	855.63									
	PVI	27+15.00	641.75								PVI	51+65.00	771.2								PVT	82+40.00	855.54									
Linear	POVC	26+40.00	641.09	140	1.55%					Symmetrical Parabola	PVT	52+15.00	772.31	145	2.22%					Linear	PVC	82+40.00	855.54	100	-0.23%	-0.52%	341.63	-0.04	3736.73			
	PVT	27+90.00	642.91								PVT	52+15.00	772.31								PVT	82+40.00	855.54									
	POVT	28+00.00	643.07								POVT	52+50.00	773.09								PVI	83+45.00	855.3									
Symmetrical Parabola	POVT	28+50.00	643.84	100	1.55%	2.23%	147.45	0.08		Linear	PVC	53+60.00	775.54	100	2.22%	1.73%	201.74	-0.06	2227.13	Symmetrical Parabola	PVC	83+45.00	855.3	35	-0.52%							
	PVC	29+30.00	645.08								PVC	53+50.00	775.32								PVC	83+50.00	855.24									
	POVC	29+50.00	645.4								PVC	53+60.00	775.54								PVT	83+95.00	855.04									
Linear	PVI	29+80.00	645.85	145	2.23%					Symmetrical Parabola	PVI	54+10.00	776.65	195	1.73%					Linear	PVT	83+95.00	855.04	100	-0.52%	-0.20%	313.95	0.04				
	POVC	30+00.00	646.33								PVI	54+10.00	776.65								PVI	84+80.00	854.6									
	PVT	30+30.00	646.96								PVT	54+60.00	777.51								PVC	84+30.00	854.86									
Symmetrical Parabola	PVT	30+30.00	646.96	320	2.23%	2.69%	688.48	0.19		Linear	POVT	55+00.00	778.21	100	1.73%	1.97%	418.23	0.03		Symmetrical Parabola	PVC	84+30.00	854.86	100	-0.52%	-0.20%	313.95	0.04				
	POVT	30+50.00	647.41								POVT	55+00.00	778.21								PVT	85+30.00	854.5									
	PVC	31+75.00	650.19								POVT	55+50.00	779.07								PVI	85+50.00	854.46									
Symmetrical Parabola	PVC	31+75.00	650.19	320	2.23%	2.69%	688.48	0.19		Symmetrical Parabola	PVC	56+55.00	780.89	100	1.73%	1.97%	418.23	0.03		Linear	POVT	85+50.00	854.46	187.5	-0.20%							
	POVC	32+00.00	650.75								POVC	57+00.00	781.69								PVC	86+00.00	854.36									
	PVI	33+35.00	653.08								PVI	57+05.00	781.75								POVT	86+50.00	854.26									
Symmetrical Parabola	POVC	33+50.00	654.31	390	2.69%	9.62%	56.25	3.38		Linear	POVC	57+50.00	782.64	575	1.97%					Symmetrical Parabola	PVT	87+00.00	854.16	1225	-0.20%	8.83%	135.72	13.82				
	PVI	33+50.00	653.75								PVT	57+55.00	782.73								PVC	87+17.50	854.13									
	POVC	33+50.00	654.31								PVT	57+55.00	782.73								PVI	87+17.50	854.13									
Symmetrical Parabola	POVC	34+00.00	655.56	100	9.62%					Symmetrical Parabola	PVC	60+00.00	787.56	620	1.97%	8.47%	95.29	5.04		Linear	PVC	87+17.50	854.13	572.5	8.83%							
	POVC	34+50.00	656.86								PVC	60+50.00	788.54								PVC	87+50.00	854.21									
	PVCC	34+95.00	658.05								POVT	61+00.00	789.52								POVC	88+50.00	854.51									
Symmetrical Parabola	PVCC	34+95.00	658.05	100	9.62%					Linear	POVT	61+50.00	790.51	95	8.47%					Symmetrical Parabola	PVC	88+50.00	854.51	100	-0.20%	8.83%	135.72	13.82				
	POVC	35+00.00	658.19								POVT	61+50.00	790.51								PVC	89+00.00	854.99									
	POVC	35+50.00	659.8								POVT	62+00.00	791.49								POVC	89+50.00	855.65									
Symmetrical Parabola	POVC	36+00.00	661.86	100	9.62%	9.33%	345	-0.04	3773.07	Symmetrical Parabola	POVT	62+50.00	792.48	620	1.97%	8.47%	95.29	5.04		Linear	POVC	90+00.00	856.5	1225	-0.20%	8.83%	135.72	13.82				
	POVC	36+50.00	664.36								PVC	63+30.00	794.05								PVC	90+50.00	857.53									
	PVI	36+90.00	663.3								POVC	63+50.00	794.46								POVC	91+00.00	858.75									
Linear	POVC	37+00.00	667.3	100	9.62%					Symmetrical Parabola	POVC	64+00.00	795.68	540	8.47%	-0.16%	62.54	-5.83	367.39	Symmetrical Parabola	POVC	91+50.00	860.15	160	8.83%	8.35%	338.16	-0.09	2360.8			
	POVC	37+50.00	670.69								PVI	66+40.00	800.15								PVI	91+50.00	861.74									
	POVC	38+00.00	674.53								POVC	66+50.00	800.92								POVC	92+00.00	863.51									
Symmetrical Parabola	POVC	38+50.00	678.81	100	9.62%	9.33%	345	-0.04	3773.07	Linear	POVC	66+00.00	803.19	95	8.47%					Symmetrical Parabola	POVC	92+50.00	865.46	180	8.35%	8.10%	724.45	-0.06	4433.29			
	PVT	38+85.00	682.07								PVC	67+00.00	808.51								PVC	92+50.00	863.51									
	POVT	39+00.00	683.51								POVC	67+50.00	811.57								PVI	93+30.00	852.9									
Linear	POVT	39+50.00	688.32	200.01	9.33%					Symmetrical Parabola	POVC	68+00.00	814.89	540	8.47%	-0.16%	62.54	-5.83	367.39	Linear	POVC	93+50.00	867.6	572.5	8.83%							
	PVC	39+85.00	691.69								POVC	68+50.00	818.47								PVC	93+50.00	867.6									
	PVI	40+35.00	696.5								POVC	69+00.00	822.31								PVC	94+00.00	869.92									
Symmetrical Parabola	POVC	40+50.00	697.88	99.99	9.33%	9.79%	221.03	0.06		Linear	PVT	69+50.00	826.42	620	1.97%	8.47%	95.29	5.04		Symmetrical Parabola	POVC	94+50.00	872.43	160	8.83%	8.35%	338.16	-0.09	2360.8			
	PVT	40+85.00	701.17								PVC	70+00.00	830.66								PVC	95+00.00	875.12									
	POVT	41+00.00	702.57								PVC	70+45.00	834.47								POVC	95+50.00	877.99									
Linear	POVT	41+50.00	707.23	0.01	9.79%					Symmetrical Parabola	PVC	70+45.00	834.47	540	8.47%	-0.16%	62.54	-5.83	367.39	Linear	POVC	96+00.00	881.05	180	8.35%	8.10%	724.45	-0.06	4433.29			
	POVT	42+00.00	711.9								PVI	73+15.00	857.35								PVI	96+50.00	884.3									
	POVT	42+50.00	716.57								POVC	73+50.00	852.88								POVC	97+00.00	887.72									
Symmetrical Parabola	PVC	42+85.01	719.83	320	9.79%	5.94%	83.29	-1.54	440.88	Symmetrical Parabola	POVC	74+00.00	854.48	100	-0.16%	-0.20%	2531.25	0	27365.99	Symmetrical Parabola	POVC	97+50.00	891.33	180	8.35%	8.10%	724.45	-0.06	4433.29			
	PVC	43+85.00	729.39								POVC	74+50.00	855.68								PVC	97+50.00	891.33									
	POVC	43+00.00	721.24								POVC	75+00.00	856.48								PVC	98+00.00	895.13									
Linear	PVI	43+35.00	724.5	0.01	9.79%					Linear	PVT	75+85.00	856.92	85	-0.16%					Symmetrical Parabola	POVC	98+50.00	899.11	180	8.35%	8.10%	724.45	-0.06	4433.29			
	PVC	43+85.00	729.39								PVT	75+85.00	856.92								PVC	99+00.00	903.28									
	PVI	43+85.00	729.39								POVT	76+00.00	856.81								PVT	99+42.50	906.96									
Symmetrical Parabola	POVC	44+00.00	730.85	320	9.79%	5.94%	83.29	-1.54	440.88	Symmetrical Parabola	PVC	76+70.00	856.78	85	-0.16%					Symmetrical Parabola	POVC	100+00.00	912.03	160	8.83%	8.35%	338.16	-0.09	2360.8			
	POVC	44+50.00	735.5								PVC	76+70.00	856.78								PVC	100+										