

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	POB	0+34.33	487.89	22.67	-2.30%				
		0+50.00	487.53						
	PVC	0+57.00	487.37						
Symmetrical Parabola	PVI	0+82.00	486.80	50	-2.30%	-0.99%	38.31	0.0800	
		1+00.00	486.62						
	PVT	1+07.00	486.55						
Linear		1+07.00	486.55	84.29	-0.99%				
		1+50.00	486.12						
	PVC	1+91.29	485.71						
Symmetrical Parabola		2+00.00	485.62	150	-0.99%	-0.42%	262.39	0.1100	
		2+50.00	485.19						
	PVI	2+66.29	484.96						
		3+00.00	484.85						
	PVT	3+41.29	484.65						
Linear		3+41.29	484.65	130.22	-0.42%				
		3+50.00	484.61						
		4+00.00	484.40						
Symmetrical Parabola		4+00.00	484.40	150	-0.42%	5.73%	24.36	1.1500	
		4+50.00	484.19						
	PVC	4+71.51	484.10						
		5+00.00	484.14						
	PVI	5+46.51	483.78						
Symmetrical Parabola		5+50.00	485.03	32.02	5.73%				
		6+00.00	486.94						
	PVT	6+21.51	488.08						
	VLOW	4+81.82	484.07						
		6+21.51	488.08						
Linear		6+50.00	489.71	300	5.73%	0.00%	52.34	-2.1500	338.28
		6+53.53	489.92						
	PVC	6+53.53	489.92						
Symmetrical Parabola		7+00.00	492.37	68.84	0.00%				
		7+50.00	494.56						
		8+00.00	496.27						
	PVI	8+03.53	498.52						
		8+50.00	497.50						
		9+00.00	498.25						
	PVT	9+53.53	498.52						
Linear		9+53.53	498.52	229.36	0.00%	-5.32%	43.08	-1.5300	317.38
		10+00.00	498.52						
	PVC	10+22.36	498.52						
Symmetrical Parabola		10+50.00	498.44	142.78	-5.32%				
		11+00.00	497.83						
	PVI	11+37.04	498.53						
		11+50.00	496.64						
		12+00.00	494.87						
	PVT	12+51.72	492.43						
	VHIGH	10+22.51	498.52						
Linear		12+51.72	492.43	380.99	-5.32%	-0.09%	72.8	2.4900	
		13+00.00	489.86						
	PVC	13+94.51	484.83						
Symmetrical Parabola		13+94.51	484.83	165	-0.09%	7.40%	22.05	1.5400	
		14+00.00	484.54						
		14+50.00	482.09						
		15+00.00	479.98						
	PVI	15+50.00	478.22						
		16+00.00	476.80						
		16+50.00	475.72						
Linear		17+00.00	474.99	0	-0.09%				
		17+50.00	474.60						
	PVT	17+75.50	474.53						
Symmetrical Parabola		17+75.50	474.53	165	-0.09%	7.40%	22.05	1.5400	
		18+00.00	474.64						
		18+50.00	475.72						
	PVI	18+58.00	474.46						
		19+00.00	477.93						
	PVT	19+40.50	480.56						
	VLOW	17+77.42	474.53						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	19+40.50	480.56	85.43	7.40%				
		20+00.00	484.96						
	PVC	20+25.93	486.88						
Symmetrical Parabola		20+25.93	486.88	140	7.40%	-2.62%	13.98	-1.7500	177.76
		20+50.00	488.45						
	PVI	20+95.93	492.05						
		21+00.00	490.39						
		21+50.00	490.55						
	PVT	21+65.93	490.22						
	VHIGH	21+29.32	490.70						
Linear		21+65.93	490.22	9.55	-2.62%				
		21+75.47	489.97						
	PVC	21+75.47	489.97						
Symmetrical Parabola		22+00.00	489.37	500	-2.62%	3.75%	78.5	3.9800	
		22+50.00	488.37						
		23+00.00	487.70						
		23+50.00	487.34						
		24+00.00	487.30						
	PVI	24+25.47	483.42						
		24+50.00	487.58						
		25+00.00	488.18						
		25+50.00	489.10						
		26+00.00	490.33						
		26+50.00	491.89						
	PVT	26+75.47	492.80						
	VLOW	23+81.06	487.28						
Linear		26+75.47	492.80	53.78	3.75%				
		27+00.00	493.72						
	PVC	27+29.25	494.82						
Symmetrical Parabola		27+29.25	494.82	170	3.75%	-2.13%	28.9	-1.2500	268.47
		27+50.00	495.52						
		28+00.00	496.60						
	PVI	28+14.25	498.00						
		28+50.00	496.82						
	PVT	28+99.25	496.19						
	VHIGH	28+37.64	496.85						
Linear		28+99.25	496.19	20.67	-2.13%				
		29+00.00	496.18						
	PVC	29+19.93	495.75						
Symmetrical Parabola		29+19.93	495.75	250	-2.13%	-0.78%	185.48	0.4200	
		29+50.00	495.13						
		30+00.00	494.22						
	PVI	30+44.93	493.09						
		30+50.00	493.43						
		31+00.00	492.79						
	PVT	31+50.00	492.27						
Linear		31+50.00	492.27	35.07	-0.78%				
		31+69.93	492.11						
	PVC	32+05.00	491.83						
Symmetrical Parabola		32+05.00	491.83	330	-0.78%	-2.11%	249.07	-0.5500	979.48
		32+50.00	491.44						
		33+00.00	490.91						
		33+50.00	490.27						
	PVI	33+70.00	490.54						
		34+00.00	489.54						
		34+50.00	488.71						
Linear		35+00.00	487.77	134.41	-2.11%				
		35+35.00	487.06						
		35+50.00	486.74						
		36+00.00	485.69						
		36+50.00	484.63						
	PVC	36+69.41	484.22						
		36+69.41	484.22						
Symmetrical Parabola		37+00.00	483.55	150	-2.11%	-3.11%	150.23	-0.1900	1155.79
		37+44.41	482.64						
		37+50.00	482.31						
		38+00.00	480.90						
	PVT	38+19.41	480.31						
Linear		38+19.41	480.31	80.61	-3.11%				
		38+50.00	479.36						
		39+00.00	477.81						
		39+00.00	477.81						
	PVC	39+00.02	477.81						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola		39+00.02	477.81	320	-3.11%	-0.10%	106.42	1.2000	
		39+50.00	476.37						
		40+00.00	475.17						
		40+50.00	474.20						
	PVI	40+60.02	472.84						
		41+00.00	473.47						
		41+50.00	472.98						
Linear		42+00.00	472.71	16.6	-0.10%				
		42+20.02	472.68						
	PVC	42+36.62	472.66						
Symmetrical Parabola		42+36.62	472.66	40	-0.10%	-1.03%	43.15	-0.0500	1184.02
		42+50.00	472.62						
	PVI	42+56.62	472.64						
Linear		42+76.62	472.43	33.38	-1.03%				
		42+76.62	472.43						
	PVC	43+00.00	472.19						
Symmetrical Parabola		43+10.00	472.09	130	-1.03%	0.11%	114.73	0.1800	
		43+10.00	472.09						
		43+50.00	471.75						
	PVI	43+75.00	471.42						
		44+00.00	471.52						
	PVT	44+40.00	471.49						
	VLOW	44+27.88	471.49						
Linear		44+40.00	471.49	257.78	0.11%				
		44+50.00	471.50						
		45+00.00	471.55						
		45+50.00	471.61						
		46+00.00	471.66						
		46+50.00	471.71						
	PVC	46+97.78	471.76						
Symmetrical Parabola		46+97.78	471.76	200	0.11%	-0.18%	702.23	-0.0700	3889.07
		47+00.00	471.77						
		47+50.00	471.80						
	PVI	47+97.78	471.87						
		48+00.00	471.80						
		48+50.00	471.76						
	PVT	48+97.78	471.69						
Linear		47+71.99	471.80	182.22	-0.18%				
		48+97.78	471.69						
		49+00.00	471.69						
		49+50.00	471.60						
		50+00.00	471.51						
		50+50.00	471.42						
	PVC	50+80.00	471.36						
Symmetrical Parabola		50+80.00	471.36	80	-0.18%	-0.15%	2418.6	0.0000	
		51+00.00	471.33						
	PVI	51+20.00	471.29						
Linear		51+50.00	471.25	12.08	-0.15%				
		51+60.00	471.23						
	PVC	51+72.08	471.22						
Symmetrical Parabola		51+72.08	471.22	100	-0.15%	2.53%	37.42	0.3300	
		52+00.00	471.28						
		52+22.08	471.14						
		52+50.00	471.91						
	PVT	52+72.08	472.41						
	VLOW	51+77.55	471.21						
		52+72.08	472.41						
Linear		53+00.00	473.11	37.45	2.53%				
		53+09.53	473.35						
	PVC	53+09.53	473.35						
Symmetrical Parabola		53+34.53	473.98	50	2.53%	1.85%	73.92	-0.0400	1620.36
		53+50.00	474.26						
	PVI	53+59.53	474.45						
Linear		53+59.53	474.45	65.52	1.85%				
		54+00.00	475.19						
	PVC	54+25.05	475.66						
Symmetrical Parabola		54+25.05	475.66	110	1.85%	-1.97%	28.8	-0.5300	337.51
		54+50.00	476.01						
		54+80.05	476.68						
		55+00.00	476.07						
		55+35.05	475.59						
	VHIGH	54+78.31	476.15						
		55+35.05	475.59						
Linear		55+47.90	475.34	12.85	-1.97%				
		55+47.90	475.34						
	PVC	55+50.00	475.30						
Symmetrical Parabola		55+50.00	475.30	50	-1.97%	-			