

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVCC c	16+55.00	382.14	610	8.06%	-9.62%	34.5	-13.48	272.89
	POVC c	17+00.00	385.48						
	POVC c	17+50.00	388.49						
	POVC c	18+00.00	390.78						
	POVC c	18+50.00	392.35						
	POVC c	19+00.00	393.19						
	VHIGH c	19+33.06	393.35						
	POVC c	19+50.00	393.31						
	PVI c	19+60.00	406.72						
	POVC c	20+00.00	392.70						
	POVC c	20+50.00	391.37						
	POVC c	21+00.00	389.31						
	POVC c	21+50.00	386.53						
	POVC c	22+00.00	383.02						
Linear	PVT c	22+65.00	377.38	70	-9.62%				
	POVT c	23+00.00	374.01						
	PVC c	23+35.00	370.65						
Symmetrical Parabola	PVC c	23+35.00	370.65	210	-9.62%	-2.05%	27.74	1.99	
	POVC c	23+50.00	369.24						
	PVI c	24+40.00	360.54						
	POVC c	24+50.00	361.97						
	PVT c	25+45.00	358.39						
Linear	PVT c	25+45.00	358.39	147.5	-2.05%				
	POVT c	25+50.00	358.29						
	POVT c	26+00.00	357.26						
	PVC c	26+92.50	355.36						
Symmetrical Parabola	PVC c	26+92.50	355.36	75	-2.05%	-4.03%	37.81	-0.19	581.54
	POVC c	27+00.00	355.20						
	PVI c	27+30.00	354.60						
	PVT c	27+67.50	353.08						
Linear	PVT c	27+67.50	353.08	87.5	-4.03%				
	POVT c	28+00.00	349.75						
	PVC c	28+55.00	349.55						
Symmetrical Parabola	PVC c	28+55.00	349.55	90	-4.03%	-2.89%	78.66	0.13	
	PVI c	29+00.00	347.74						
	PVT c	29+45.00	346.44						
Linear	PVT c	29+45.00	346.44	105	-2.89%				
	POVT c	29+50.00	346.29						
	PVC c	30+00.00	344.85						
Symmetrical Parabola	PVC c	30+00.00	343.40	60	-2.89%	-3.24%	171.97	-0.03	3122.98
	PVI c	30+80.00	342.53						
	PVT c	31+10.00	341.56						
Linear	PVT c	31+10.00	341.56	320	-3.24%				
	POVT c	31+50.00	340.27						
	POVT c	32+00.00	338.65						
	POVT c	32+50.00	337.03						
	POVT c	33+00.00	335.41						
	POVT c	33+50.00	333.79						
	PVC c	34+30.00	331.19						
Symmetrical Parabola	PVC c	34+30.00	331.19	200	-3.24%	-1.20%	98.07	0.51	
	POVC c	34+50.00	330.57						
	PVI c	35+30.00	327.95						
	POVC c	35+50.00	328.04						
	PVT c	36+30.00	326.75						
Linear	PVT c	36+30.00	326.75	105	-1.20%				
	POVT c	36+50.00	326.51						
	PVC c	37+35.00	325.49						
Symmetrical Parabola	PVC c	37+35.00	325.49	60	-1.20%	-1.96%	78.7	-0.06	1445.4
	POVC c	37+50.00	325.13						
	PVT c	37+95.00	324.55						
Linear	PVT c	37+95.00	324.55	200	-1.96%				
	POVT c	38+00.00	324.45						
	POVT c	38+50.00	323.47						
	POVT c	39+00.00	322.48						
	PVC c	39+95.00	320.62						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC c	39+95.00	320.62	300	-1.96%	3.72%	52.76	2.13	
	POVC c	40+00.00	320.52						
	POVC c	40+50.00	319.83						
	VLOW c	40+98.55	319.60						
	POVC c	41+00.00	319.60						
	PVI c	41+45.00	317.68						
	POVC c	41+50.00	319.85						
	POVC c	42+00.00	320.58						
	POVC c	42+50.00	321.78						
	PVT c	42+95.00	323.26						
Linear	PVT c	42+95.00	323.26	60	3.72%				
	POVT c	43+00.00	323.45						
	PVC c	43+55.00	325.50						
Symmetrical Parabola	PVC c	43+55.00	325.50	150	3.72%	-1.06%	31.39	-0.9	300.82
	POVC c	44+00.00	326.85						
	PVI c	44+30.00	328.29						
	POVC c	44+50.00	327.59						
	VHIGH c	44+71.87	327.67						
Linear	POVC c	44+71.87	327.67	62.5	-1.06%				
	PVT c	45+05.00	327.50						
	PVC c	45+67.50	326.84						
Symmetrical Parabola	PVC c	45+67.50	326.84	65	-1.06%	-0.33%	89.29	0.06	
	PVI c	46+00.00	326.49						
	POVC c	46+00.00	326.55						
Linear	PVT c	46+32.50	326.39	72.5	-0.33%				
	POVT c	46+50.00	326.33						
	POVT c	47+00.00	326.17						
	PVC c	47+05.00	326.15						
Symmetrical Parabola	PVC c	47+05.00	326.15	140	-0.33%	-3.29%	47.23	-0.52	434.04
	POVC c	47+50.00	325.79						
	PVI c	47+75.00	325.92						
	PVT c	48+00.00	324.88						
Linear	PVT c	48+00.00	324.88	181.06	-3.29%				
	PVT c	48+45.00	323.62						
	PVT c	48+45.00	323.62						
	POVT c	48+50.00	323.45						
	PVC c	48+77.02	323.45						
Symmetrical Parabola	PVC c	48+77.02	323.45	130	-3.29%	-7.70%	29.49	-0.72	309.83
	POVT d	117+45.96	322.43						
	POVT d	117+50.00	322.43						
	POVT d	118+00.00	320.78						
	PVC d	118+50.00	319.14						
	PVC d	118+95.00	317.66						
	PVC d	118+95.00	317.66						
Linear	PVC d	118+95.00	317.66	25	-7.70%				
	POVC d	119+00.00	317.49						
	POVC d	119+50.00	315.33						
	PVI d	119+60.00	315.52						
	POVC d	120+00.00	312.33						
Symmetrical Parabola	PVT d	120+25.00	310.51	390	-7.70%	6.88%	26.74	7.11	
	PVT d	120+25.00	310.51						
	PVC d	120+50.00	308.59						
	PVC d	120+50.00	308.59						
	POVC d	121+00.00	305.20						
	POVC d	121+50.00	302.76						
	POVC d	122+00.00	301.24						
	PVI d	122+45.00	293.57						
	POVC d	122+50.00	300.67						
	VLOW d	122+55.90	300.66						
Linear	POVC d	122+55.90	300.66	17.5	6.88%				
	POVC d	123+00.00	301.02						
	POVC d	123+50.00	302.31						
	POVC d	124+00.00	304.54						
	PVT d	124+40.00	307.00						
Symmetrical Parabola	PVT d	124+40.00	307.00	125	6.88%	1.80%	24.57	-0.79	274.65
	POVT d	124+50.00	307.69						
	PVC d	124+57.50	308.20						
Linear	PVC d	124+57.50	308.20	72.5	1.80%				
	POVC d	125+00.00	310.76						
	PVI d	125+20.00	312.50						
	POVC d	125+50.00	312.83						
	PVT d	125+82.50	313.63						
Symmetrical Parabola	PVT d	125+82.50	313.63	72.5	1.80%				
	POVT d	126+00.00	313.94						
	PVC d	126+55.00	314.93						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC d	126+55.00	314.93	290	1.80%	5.38%	80.91	1.3	
	POVC d	127+00.00	315.87						
	POVC d	127+50.00	317.20						
	PVI d	128+00.00	317.54						
	POVC d	128+00.00	318.84						
	POVC d	128+50.00	320.79						
	POVC d	129+00.00	323.05						
	PVT d	129+45.00	325.34						
	PVT d	129+45.00	325.34						
	POVT d	129+50.00	325.61						
Linear	POVT d	129+50.00	325.61	155	5.38%				
	POVT d	130+00.00	328.30						
	PVC d	131+00.00	333.69						
Symmetrical Parabola	PVC d	131+00.00	333.69	120	5.38%	3.52%	64.26	-0.28	637.89
	POVC d	131+50.00	336.18						
	PVI d	131+60.00	336.92						
Linear	POVC d	131+60.00	336.92	122.5	3.52%				
	POVC d	132+00.00	338.29						
	PVT d	132+20.00	339.02						
	PVT d	132+20.00	339.02						
Symmetrical Parabola	POVT d	132+20.00	339.02	75	3.52%	-0.13%	20.58	-0.34	333.62
	POVT d	132+50.00	340.08						
	POVT d	133+00.00	341.84						
	PVC d	133+42.50	343.33						
Linear	PVC d	133+42.50	343.33	32.5	-0.13%				
	POVC d	133+50.00	343.58						
	PVI d	133+80.00	344.65						
	POVC d	134+00.00	344.55						
Symmetrical Parabola	POVC d	134+00.00	344.55	150	-0.13%	6.86%	21.47	1.31	
	VHIGH d	134+14.84	344.60						
	PVT d	134+17.50	344.60						
	PVT d	134+17.50	344.60						
Linear	PVT d	134+17.50	344.60	67.5	6.86%				
	PVC d	134+50.00	344.56						
	PVC d	134+50.00	344.56						
Symmetrical Parabola	PVC d	134+50.00	344.56	150	-0.13%	6.86%	21.47	1.31	
	VLOW d	134+52.78	344.56						
	POVC d	135+00.00	345.08						
	PVI d	135+25.00	344.46						
Linear	POVC d	135+25.00	344.46	75	6.86%	3.32%	21.22	-0.33	342.83
	POVC d	135+50.00	346.76						
	PVT d	136+00.00	349.61						
	PVT d	136+00.00	349.61						
Symmetrical Parabola	POVT d	136+00.00	349.61	95	3.92%				
	POVT d	136+50.00	353.03						
	PVC d	136+67.50	354.23						
Linear	PVC d	136+67.50	354.23	75	6.86%	3.32%	21.22	-0.33	342.83
	POVC d	137+00.00	356.21						
	PVI d	137+05.00	356.81						
Symmetrical Parabola	PVI d	137+05.00	356.81	97.5	3.32%				
	PVT d	137+42.50	358.05						
	PVT d	137+42.50	358.05						
	POVT d	137+50.00	358.30						
Linear	POVT d	137+50.00	358.30	60	3.32%	3.92%	100.78	0.04	
	POVT d	138+00.00	359.96						
	PVC d	138+40.00	361.29						
	PVC d	138+40.00	361.29						
Symmetrical Parabola	PVC d	138+40.00	361.29	100	3.92%	0.38%	28.22	-0.44	354.57
	POVC d	138+50.00	361.63						
	PVI d	138+70.00	362.29						
	PVT d	139+00.00	363.47						
Linear	PVT d	139+00.00	363.47	95	3.92%				
	POVT d	139+50.00	365.43						
	PVC d	139+95.00	367.19						
Symmetrical Parabola	PVC d	139+95.00	367.19	100	3.92%	0.38%	28.22	-0.44	354.57
	POVC d	140+00.00	367.38						
	PVI d	140+45.00	369.15						
	POVC d	140+50.00	368.81						
Linear	PVT d	140+50.00	368.81	5	0.38%				
	PVT d	140+95.00	369.34						
	PVC d	141+00.00	369.36						
Symmetrical Parabola	PVC d	141+00.00	369.36	320	0.38%	3.32%	108.63	1.18	
	POVC d	141+50.00	369.						