

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	116+56.82	504.30	31.44	-1.59%				
	PVC	116+88.27	503.80						
Symmetrical Parabola	PVC	116+88.27	503.80	350	-1.59%	1.00%	135.43	1.1300	
		117+00.00	503.62						
		117+50.00	502.96						
		118+00.00	502.49						
		118+50.00	502.20						
	PVI	118+63.27	501.02						
		119+00.00	502.10						
		119+50.00	502.18						
		120+00.00	502.45						
		120+38.27	502.77						
Linear	PVT	120+38.27	502.77	46.48	1.00%				
	PVC	120+50.00	502.89						
Symmetrical Parabola	PVC	120+84.75	503.24	150	1.00%	-0.64%	91.51	-0.3100	733.36
		121+00.00	503.38						
		121+50.00	503.66						
	PVI	121+59.75	503.99						
		122+00.00	503.66						
	PVT	122+34.75	503.51						
	VHIGH	121+76.20	503.70						
	PVT	122+34.75	503.51						
Linear		122+50.00	503.41	190.25	-0.64%				
		123+00.00	503.09						
		123+50.00	502.77						
		124+00.00	502.45						
	PVC	124+25.00	502.29						
Symmetrical Parabola	PVC	124+25.00	502.29	150	-0.64%	0.62%	119.38	0.2400	
		124+50.00	502.16						
	PVI	125+00.00	501.81						
	PVT	125+75.00	502.27						
Linear	VLOW	125+01.38	502.05	25	0.62%				
	PVT	125+75.00	502.27						
Symmetrical Parabola	PVC	126+00.00	502.43	100	0.62%	-0.04%	151.7	-0.0800	1687.04
		126+00.00	502.43						
	PVI	126+50.00	502.74						
	PVT	127+00.00	502.71						
Linear	VHIGH	126+93.55	502.72	3.47	-0.04%				
	PVT	127+00.00	502.71						
Symmetrical Parabola	PVC	127+03.47	502.71	50	-0.04%	0.40%	113.18	0.0300	
		127+03.47	502.71						
	PVI	127+26.47	502.70						
	PVT	127+50.00	502.79						
Linear	VLOW	127+53.47	502.80	186.17	0.40%				
		127+53.47	502.80						
		128+00.00	502.99						
		128+50.00	503.19						
		129+00.00	503.39						
	PVC	129+39.64	503.55						
		129+39.64	503.55						
		129+50.00	503.58						
Symmetrical Parabola		130+00.00	503.67	200	0.40%	-0.92%	151.8	-0.3300	919.07
		130+39.64	503.95						
	PVI	131+39.64	503.03						
	PVT	131+00.26	503.67						
		130+50.00	503.59						
		131+00.00	503.34						
Linear		131+39.64	503.03	141.47	-0.92%				
		131+50.00	502.93						
		132+00.00	502.47						
		132+50.00	502.01						
	PVC	132+81.11	501.73						
Symmetrical Parabola	PVC	132+81.11	501.73	150	-0.92%	0.40%	113.9	0.2500	
		133+00.00	501.57						
		133+50.00	501.30						
	PVI	133+56.11	501.04						
		134+00.00	501.26						
	PVT	134+31.11	501.34						
Linear	VLOW	133+85.70	501.25	51.11	0.40%				
	PVT	134+31.11	501.34						
Linear		134+50.00	501.41						
	PVC	134+82.21	501.54						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	134+82.21	501.54	120	0.40%	-5.09%	21.87	-0.8200	256.64
		135+00.00	501.54						
	PVI	135+42.21	501.78						
		135+50.00	500.76						
Linear		136+00.00	498.84	59.97	-5.09%				
	PVT	136+02.21	498.73						
	VHIGH	134+90.93	501.56						
	PVT	136+02.21	498.73						
Symmetrical Parabola	PVC	136+62.19	495.68	150	-5.09%	-6.42%	112.79	-0.2500	886.45
		136+62.19	495.68						
	PVI	137+00.00	493.69						
	PVT	137+37.19	491.86						
Symmetrical Parabola	PVI	137+50.00	490.86	500	-6.42%	-0.12%	79.31	3.9400	
		138+00.00	487.82						
		138+12.19	487.04						
		138+12.19	487.04						
		138+16.40	486.77						
		138+16.40	486.77						
		138+50.00	484.69						
		139+00.00	481.85						
		139+50.00	479.32						
		140+00.00	477.11						
		140+50.00	475.22						
		140+66.40	470.73						
Symmetrical Parabola	PVI	140+66.40	470.73	191.54	-0.12%				
		141+00.00	473.64						
		141+50.00	472.38						
		142+00.00	471.43						
		142+50.00	470.79						
		143+00.00	470.47						
		143+16.40	470.44						
		143+16.40	470.44						
		143+50.00	470.40						
		144+00.00	470.34						
		144+50.00	470.28						
		145+00.00	470.23						
Symmetrical Parabola	PVC	145+07.94	470.22	200	-0.12%	5.57%	35.17	1.4200	
		145+07.94	470.22						
		145+50.00	470.42						
		146+00.00	471.32						
	PVI	146+07.94	470.10						
		146+50.00	472.92						
Linear		147+00.00	475.24	13.22	5.57%				
		147+07.94	475.67						
		147+07.94	475.67						
		147+21.16	476.41						
		147+21.16	476.41						
		147+50.00	477.79						
Symmetrical Parabola	PVI	147+71.16	479.20	100	5.57%	0.16%	18.48	-0.6800	249.38
		148+00.00	479.12						
		148+21.16	479.28						
		148+21.16	479.28						
		148+50.00	479.32						
		149+00.00	479.40						
Linear		149+50.00	479.48	235.54	0.16%				
		150+00.00	479.56						
		150+50.00	479.64						
		150+56.69	479.65						
		150+56.69	479.65						
		151+00.00	479.81						
Symmetrical Parabola		151+50.00	480.22	250	0.16%	2.55%	104.59	0.7500	
		151+81.69	479.85						
		152+00.00	480.86						
		152+50.00	481.75						
		153+00.00	482.87						
		153+06.69	483.04						
Linear	PVT	153+06.69	483.04	28.62	2.55%				
	PVC	153+35.31	483.77						
		153+35.31	483.77						
		153+50.00	484.06						
Symmetrical Parabola	PVI	153+75.31	484.79	80	2.55%	-3.65%	12.9	-0.6200	214.03
		154+00.00	483.80						
	PVT	154+15.31	483.33						
	VHIGH	153+68.21	484.19						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	154+15.31	483.33	62.11	-3.65%				
		154+50.00	482.06						
	PVC	154+77.42	481.06						
		154+77.42	481.06						
Symmetrical Parabola		155+00.00	480.26	300	-3.65%	-0.57%	97.49	1.1500	
		155+50.00	478.68						
		156+00.00	477.36						
	PVI	156+27.42	475.59						
		156+50.00	476.29						
		157+00.00	475.48						
		157+50.00	474.92						
		157+77.42	474.73						
		157+77.42	474.73						
		158+00.00	474.60						
Linear		158+50.00	474.31	147.94	-0.57%				
		159+00.00	474.02						
		159+25.36	473.88						
	PVC	159+25.36	473.88						
		159+50.00	473.77						
		160+00.00	473.77						
Symmetrical Parabola	PVI	160+00.00	473.77	330	-0.57%	3.28%	85.73	1.5900	
		160+50.00	474.07						
		161+00.00	474.65						
		161+50.00	475.53						
		162+00.00	476.70						
		162+50.00	478.16						
		162+55.36	478.33						
		162+55.36	478.33						
		162+77.29	479.05						
		162+77.29	479.05						
Linear	PVT	162+77.29	479.05	21.93	3.28%				
	PVC	163+00.00	479.72						
		163+00.00	479.72						
		163+27.29	480.69						
Symmetrical Parabola	PVI	163+27.29	480.69	100	3.28%	0.23%	32.84	-0.3800	404.34
		163+50.00	480.63						
	PVT	163+77.29	480.81						
		163+77.29	480.81						
Linear		164+00.00	480.86	233.77	0.23%				
		164+50.00	480.97						
		165+00.00	481.09						
		165+50.00	481.20						
		166+00.00	481.32						
		166+11.06	481.34						
		166+11.06	481.34						
		166+50.00	481.35						
Symmetrical Parabola	PVI	166+50.00	481.35	100	0.23%	-0.84%	93.49	-0.1300	1058.85
		166+61.06	481.46						
		167+00.00	481.12						
	PVT	167+11.06	481.04						
Linear	VHIGH	166+32.56	481.37	37.78	-0.84%				
	PVT	167+11.06	481.04						
	PVC	167+48.84	480.72						
		167+48.84	480.72						
Symmetrical Parabola		167+50.00	480.71	100	-0.84%	1.83%	37.51	0.3300	
		167+98.84	480.30						
		168+00.00	480.64						
		168+48.84	481.21						
		168+50.00	481.24						
		168+50.00	481.24						
Linear	VLOW	167+80.34	480.59	67.8	1.83%				
	PVT	168+48.84	481.21						
		169+00.00	482.15						
	PVC	169+16.65	482.45						
Symmetrical Parabola		169+16.65	482.45	240	1.83%	-2.94%	50.4	-1.4300	346.6
		169+50.00	482.95						
		170+00.00	483.29						
		170+36.65	484.64						
		170+50.00	483.12						
		171+00.00	482.47						
Linear		171+50.00	481.31	45.64	-2.94%				
		171+56.6							