

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	615+45.40	469.29	630	-2.81%	1.14%	159.385	3.1127	
		615+50.00	469.16						
		616+00.00	467.85						
		616+50.00	466.69						
		617+00.00	465.69						
		617+50.00	464.85						
		618+00.00	464.16						
		618+50.00	463.64						
	PVI	618+60.40	460.43						
		619+00.00	463.26						
		619+50.00	463.05						
	VLOW	619+93.43	462.99						
		620+00.00	462.99						
		620+50.00	463.09						
	621+00.00	463.35							
	621+50.00	463.76							
PVT	621+75.40	464.03							
Linear	PVT	621+75.40	464.03	248.5963	1.14%				
		622+00.00	464.31						
		622+50.00	464.88						
		623+00.00	465.45						
		623+50.00	466.02						
		624+00.00	466.59						
	PVC	624+24.00	466.87						
Symmetrical Parabola	PVC	624+24.00	466.87	170	1.14%	-6.32%	22.7948	-1.5848	229.6999
		624+50.00	467.02						
	VHIGH	624+50.02	467.02						
		625+00.00	466.47						
	PVI	625+09.00	467.84						
		625+50.00	464.82						
PVT	625+94.00	462.47							
Linear	PVT	625+94.00	462.47	8.9103	-6.32%				
		626+00.00	462.09						
	PVC	626+02.91	461.91						
Symmetrical Parabola	PVC	626+02.91	461.91	220	-6.32%	0.93%	30.3483	1.9935	
		626+50.00	459.30						
		627+00.00	457.33						
	PVI	627+12.91	454.96						
		627+50.00	456.18						
	VLOW	627+94.59	455.85						
		628+00.00	455.86						
PVT	628+22.91	455.99							
Linear	PVT	628+22.91	455.99	191.9564	0.93%				
		628+50.00	456.24						
		629+00.00	456.70						
		629+50.00	457.17						
		630+00.00	457.64						
	PVC	630+14.86	457.78						
Symmetrical Parabola	PVC	630+14.86	457.78	200	0.93%	-1.56%	80.1759	-0.6236	532.6091
		630+50.00	458.03						
	VHIGH	630+89.67	458.13						
		631+00.00	458.12						
	PVI	631+14.86	458.71						
		631+50.00	457.90						
		632+00.00	457.37						
PVT	632+14.86	457.15							
Linear	PVT	632+14.86	457.15	22.5848	-1.56%				
	PVC	632+37.45	456.80						
		632+50.00	456.61						
Symmetrical Parabola	PVC	632+37.45	456.80	300	-1.56%	1.38%	102.057	1.1023	
		633+00.00	456.01						
		633+50.00	455.66						
	PVI	633+87.45	454.45						
	VLOW	633+96.81	455.55						
		634+00.00	455.55						
		634+50.00	455.69						
PVT	635+00.00	456.07							
Linear	PVT	635+37.45	456.52	87.5485	1.38%				
		635+50.00	456.69						
		636+00.00	457.38						
	PVC	636+25.00	457.73						
Symmetrical Parabola	PVC	636+25.00	457.73	100	1.38%	0.68%	143.08	-0.0874	
		636+50.00	458.05						
	PVI	636+75.00	458.42						
		637+00.00	458.56						
	PVT	637+25.00	458.76						
Linear	PVT	637+25.00	458.76	37.3202	0.68%				
		637+50.00	458.92						
	PVC	637+62.32	459.01						
Symmetrical Parabola	PVC	637+62.32	459.01	80	0.68%	1.91%	65.0331	0.123	
		638+00.00	459.37						
	PVI	638+02.32	459.28						
	PVT	638+42.32	460.04						
Linear	PVT	638+42.32	460.04	35.3111	1.91%				
		638+50.00	460.19						
	PVC	638+77.63	460.72						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	638+77.63	460.72	100	1.91%	1.38%	187.77	-0.0666	
		639+00.00	461.13						
	PVI	639+27.63	461.67						
		639+50.00	461.96						
	PVT	639+77.63	462.36						
Linear	PVT	639+77.63	462.36	153.2636	1.38%				
		640+00.00	462.67						
		640+50.00	463.36						
		641+00.00	464.05						
	PVC	641+30.89	464.47						
		641+30.89	464.47						
Symmetrical Parabola	PVC	641+30.89	464.47	150	1.38%	-3.71%	29.4642	-0.9545	286.975
		641+50.00	464.67						
	VHIGH	641+71.45	464.75						
		642+00.00	464.61						
	PVI	642+05.89	465.50						
Linear	PVI	642+05.89	465.50	96.8767	-3.71%				
		642+50.00	463.70						
	PVT	642+80.89	462.72						
		643+00.00	462.01						
		643+50.00	460.15						
	PVC	643+77.77	459.12						
Symmetrical Parabola	PVC	643+77.77	459.12	430	-3.71%	4.13%	54.8439	4.2142	
		644+00.00	458.34						
		644+50.00	456.91						
		645+00.00	455.94						
		645+50.00	455.43						
	VLOW	645+81.47	455.34						
		645+92.77	451.13						
	PVI	646+00.00	455.37						
		646+50.00	455.77						
		647+00.00	456.62						
		647+50.00	457.93						
		648+00.00	459.69						
	PVT	648+07.77	460.01						
	PVT	648+07.77	460.01						
Linear	PVT	648+07.77	460.01	128.2438	4.13%				
		648+50.00	461.75						
		649+00.00	463.81						
	PVC	649+36.01	465.30						
Symmetrical Parabola	PVC	649+36.01	465.30	200	4.13%	5.85%	116.244	0.4301	
		649+50.00	465.88						
		650+00.00	468.11						
	PVI	650+36.01	469.42						
		650+50.00	470.56						
		651+00.00	473.22						
	PVT	651+36.01	475.27						
Linear	PVT	651+36.01	475.27	10.7168	5.85%				
	PVC	651+46.73	475.90						
		651+50.00	476.08						
Symmetrical Parabola	PVC	651+46.73	475.90	150	5.85%	-3.21%	16.5627	-1.6981	194.1576
		652+00.00	478.15						
	PVI	652+21.73	480.28						
	VHIGH	652+43.57	478.73						
		652+50.00	478.72						
	PVT	652+96.73	477.87						
	PVT	652+96.73	477.87						
Linear	PVT	652+96.73	477.87	513.044	-3.21%				
		653+00.00	477.77						
		653+50.00	476.16						
		654+00.00	474.56						
		654+50.00	472.95						
		655+00.00	471.35						
		655+50.00	469.75						
		656+00.00	468.14						
		656+50.00	466.54						
		657+00.00	464.93						
		657+50.00	463.33						
		658+00.00	461.72						
	PVC	658+09.77	461.41						
	PVC	658+09.77	461.41						
Symmetrical Parabola	PVC	658+09.77	461.41	220	-3.21%	-0.74%	88.9046	0.6805	
		658+50.00	460.21						
		659+00.00	458.97						
	PVI	659+19.77	457.88						
		659+50.00	458.01						
	PVT	660+00.00	457.34						
Linear	PVT	660+00.00	457.34	191.999	-0.74%				
		660+29.77	457.07						
		660+50.00	456.92						
		661+00.00	456.55						
		661+50.00	456.18						
		662+00.00	455.82						
Symmetrical Parabola	PVC	662+21.77	455.66	100	-0.74%	0.42%	86.3178	0.1448	
		662+50.00	455.49						
	PVI	662+71.77	455.29						
	VLOW	662+85.23	455.42						
	PVT	663+00.00	455.44						
Linear	PVT	663+00.00	455.44						
		663+21.77	455.50						
		663+50.00	455.50						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	663+21.77	455.50	14.531	0.42%				
	PVC	663+36.30	455.56						
Symmetrical Parabola	PVC	663+36.30	455.56	80	0.42%	-0.88%	61.5846	-0.1299	870.7377
		663+50.00	455.60						
	VHIGH	663+62.37	455.82						
	PVI	663+76.30	455.73						
		664+00.00	455.50						
Linear	PVT	664+16.30	455.38	136.6521	-0.88%				
		664+50.00	455.09						
		665+00.00	454.65						
		665+50.00	454.21						
	PVC	665+52.95	454.18						
		665+52.95	454.18						
Symmetrical Parabola	PVC	665+52.95	454.18	220	-0.88%	1.58%	89.7139	0.6744	
		666+00.00	453.90						
	VLOW	666+31.52	453.84						
		666+50.00	453.86						
	PVI	666+62.95	453.22						
Linear	PVI	666+62.95	453.22	226.2836	1.58%				
		667+00.00	454.10						
		667+50.00	454.62						
	PVT	667+72.95	454.95						
	PVT	667+72.95	454.95						
		668+00.00	455.38						
Symmetrical Parabola	PVC	668+00.00	455.38	150	1.58%	-3.27%	30.969	-0.9082	297.8012
		668+50.00	456.17						
		669+00.00	456.96						
		669+50.00	457.75						
	PVC	669+99.24	458.52						
		669+99.24	458.52						
	VHIGH	670+00.00	458.53						
Linear	VHIGH	670+00.00	458.53	150	1.58%	-3.27%	30.969	-0.9082	297.8012
		670+48.06	458.91						
	PVI	670+50.00	458.91						
		670+74.24	459.70						
	PVT	671+00.00	458.47						
Symmetrical Parabola	PVT	671+00.00	458.47	150	-3.27%	-1.46%	82.8347	0.3395	
		671+49.24	457.25						
		671+49.24	457.25						
		671+50.00	457.23						
		672+00.00	455.60						
		672+50.00	453.96						
Linear	PVC	672+50.00	453.96	150.7387	-3.27%				
		672+99.98	452.33						
		673+00.00	452.33						
	PVC	673+00.00	452.33						
Symmetrical Parabola	PVC	673+00.00	452.33	150	-3.27%	-1.46%	82.8347	0.3395	
		673+50.00	450.85						
	PVI	673+74.98	449.88						
		674+00.00	449.67						
	PVT	674+49.98	448.79						
	PVT	674+49.98	448.79						
		674+50.00	448.79						
Linear	PVT	674+49.98	448.79	241.5773	-1.46%				
		675+00.00	448.06						
		675+50.00	447.33						
		676+00.00	446.60						
		676+50.00	445.87						
	PVC	676+91.55	445.27						
		676+91.55	445.27						
Symmetrical Parabola	PVC	676+91.55	445.27	320	-1.46%	6.03%	42.7746	2.9924	
		677+00.00	445.15						
		677+50.00	444.82						
	VLOW	677+53.84	444.82						
		678+0							