

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	POB	442+97.00	287.09	17.44	-2.55%				
	POVT	443+00.00	287.02						
	PVC	443+14.44	286.65						
Symmetrical Parabola	PVC	443+14.44	286.65	9.73	-2.55%	-1.88%	14.65	0.01	
	PVI	443+19.31	286.53						
	PVT	443+24.17	286.43						
Linear	PVT	443+24.17	286.43	79.12	-1.88%				
	POVT	443+50.00	285.95						
	POVT	444+00.00	285.01						
Symmetrical Parabola	PVC	444+03.29	284.94	695	-1.88%	-8.69%	102.15	-5.91	469.55
	POVC	444+50.00	283.96						
	POVC	445+00.00	282.67						
	POVC	445+50.00	281.13						
	POVC	446+00.00	279.35						
	POVC	446+50.00	277.32						
	POVC	447+00.00	275.05						
	POVC	447+50.00	272.53						
	PVI	447+50.79	273.40						
	POVC	448+00.00	269.77						
	POVC	448+50.00	266.77						
	POVC	449+00.00	263.52						
	POVC	449+50.00	260.02						
	POVC	450+00.00	256.28						
	POVC	450+50.00	252.30						
	PVT	450+98.29	248.22						
	PVT	450+98.29	248.22						
	POVT	451+00.00	248.07						
	POVT	451+50.00	243.73						
	POVT	452+00.00	239.38						
	POVT	452+50.00	235.04						
PVC	452+74.30	232.93							
Symmetrical Parabola	PVC	452+74.30	232.93	675	-8.69%	-2.72%	113.22	5.03	
	POVC	453+00.00	230.73						
	POVC	453+50.00	226.61						
	POVC	454+00.00	222.71						
	POVC	454+50.00	219.03						
	POVC	455+00.00	215.57						
	POVC	455+50.00	212.34						
	POVC	456+00.00	209.32						
	PVI	456+11.80	203.61						
	POVC	456+50.00	206.53						
	POVC	457+00.00	203.95						
	POVC	457+50.00	201.60						
	POVC	458+00.00	199.47						
	POVC	458+50.00	197.56						
	POVC	459+00.00	195.87						
PVT	459+49.30	194.42							
PVT	459+49.30	194.42							
POVT	459+50.00	194.40							
POVT	460+00.00	193.04							
POVT	460+50.00	191.67							
POVT	461+00.00	190.31							
POVT	461+50.00	188.95							
PVC	461+85.00	188.00							
Symmetrical Parabola	PVC	461+85.00	188.00	160	-2.72%	-0.71%	79.26	0.4	
	POVC	462+00.00	187.60						
	POVC	462+50.00	186.49						
	PVI	462+65.00	185.82						
	POVC	463+00.00	185.70						
Linear	PVT	463+45.00	185.25	45	-0.71%				
	POVT	463+50.00	185.22						
	PVC	463+90.00	184.94						
Symmetrical Parabola	PVC	463+90.00	184.94	100	-0.71%	-3.55%	35.12	-0.36	429
	POVC	464+00.00	184.85						
	PVI	464+40.00	184.58						
	POVC	464+50.00	184.00						
	PVT	464+90.00	182.81						
Linear	PVT	464+90.00	182.81	97.5	-3.55%				
	POVT	465+00.00	182.45						
	POVT	465+50.00	180.67						
	PVC	465+87.50	179.34						
	PVC	465+87.50	179.34						
Symmetrical Parabola	POVC	466+00.00	178.93	165	-3.55%	4.02%	21.79	1.56	
	POVC	466+50.00	178.02						
	VLOW	466+64.92	177.97						
	PVI	466+70.00	176.41						
	POVC	467+00.00	178.25						
	POVC	467+50.00	179.63						
	PVT	467+52.50	179.73						
	PVT	467+52.50	179.73						
Linear	POVT	468+00.00	181.64	67.5	4.02%				
	PVC	468+20.00	182.44						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	468+20.00	182.44	100	4.02%	0.54%	28.77	-0.43	360.46
	POVC	468+50.00	183.49						
	PVI	468+70.00	184.45						
	POVC	469+00.00	184.54						
	PVT	469+20.00	184.72						
Linear	PVT	469+20.00	184.72	120	0.54%				
	POVT	469+50.00	184.88						
	POVT	470+00.00	185.16						
Symmetrical Parabola	PVC	470+40.00	185.37	120	0.54%	3.69%	38.12	0.47	
	POVC	470+50.00	185.44						
	PVI	471+00.00	185.70						
	POVC	471+00.00	186.17						
	POVC	471+50.00	187.56						
	PVT	471+60.00	187.91						
	PVT	471+60.00	187.91						
	POVT	472+00.00	189.39						
	PVC	472+45.00	191.05						
	PVC	472+45.00	191.05						
Symmetrical Parabola	POVC	472+50.00	191.24	60	3.69%	3.14%	109.2	-0.04	1994.13
	PVI	472+75.00	192.16						
	POVC	473+00.00	192.94						
Linear	PVT	473+05.00	193.10	102.5	3.14%				
	PVT	473+05.00	193.10						
	POVT	473+50.00	194.52						
	PVC	474+07.50	196.32						
	PVC	474+07.50	196.32						
Symmetrical Parabola	POVC	474+50.00	197.51	265	3.14%	-1.21%	60.86	-1.44	380.32
	POVC	475+00.00	198.53						
	PVI	475+40.00	200.49						
	POVC	475+50.00	199.13						
	VHIGH	475+98.71	199.33						
	POVC	476+00.00	199.33						
	POVC	476+50.00	199.11						
	PVT	476+72.50	198.88						
	PVT	476+72.50	198.88						
	PVC	476+75.00	198.85						
Symmetrical Parabola	PVC	476+75.00	198.85	40	-1.21%	-0.57%	62.3	0.03	
	PVI	476+95.00	198.61						
	POVC	477+00.00	198.60						
Linear	PVT	477+15.00	198.49	55	-0.57%				
	POVT	477+50.00	198.29						
	PVC	477+70.00	198.18						
	PVC	477+70.00	198.18						
	POVC	478+00.00	197.97						
Symmetrical Parabola	PVI	478+20.00	197.89	100	-0.57%	-1.32%	132.95	-0.09	1484.77
	POVC	478+50.00	197.48						
	PVT	478+70.00	197.23						
Linear	PVT	478+70.00	197.23	95	-1.32%				
	POVT	479+00.00	196.83						
	POVT	479+50.00	196.17						
	PVC	479+65.00	195.98						
	PVC	479+65.00	195.98						
Symmetrical Parabola	POVC	480+00.00	195.59	120	-1.32%	0.16%	81.14	0.22	
	PVI	480+25.00	195.18						
	POVC	480+50.00	195.30						
	VLOW	480+72.32	195.27						
	PVT	480+85.00	195.28						
	PVT	480+85.00	195.28						
Linear	POVT	481+00.00	195.30	157.5	0.16%				
	POVT	481+50.00	195.38						
	POVT	482+00.00	195.45						
	PVC	482+42.50	195.52						
	PVC	482+42.50	195.52						
	POVC	482+50.00	195.54						
	POVC	483+00.00	196.06						
	PVI	483+30.00	195.66						
Symmetrical Parabola	POVC	483+50.00	197.24	175	0.16%	4.86%	37.23	1.03	
	POVC	484+00.00	199.10						
	PVT	484+17.50	199.91						
	PVT	484+17.50	199.91						
	POVT	484+50.00	201.49						
	POVT	485+00.00	203.91						
	PVC	485+47.50	206.22						
	PVC	485+47.50	206.22						
Symmetrical Parabola	POVC	485+50.00	206.34	145	4.86%	-1.02%	24.66	-1.07	256.02
	POVC	486+00.00	208.21						
	PVI	486+20.00	209.74						
	POVC	486+50.00	209.07						
	VHIGH	486+67.25	209.13						
	PVT	486+92.50	209.00						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	486+92.50	209.00	227.5	-1.02%				
	POVT	487+00.00	208.92						
	POVT	487+50.00	208.41						
	POVT	488+00.00	207.90						
	POVT	488+50.00	207.39						
	POVT	489+00.00	206.87						
	PVC	489+20.00	206.67						
Symmetrical Parabola	PVC	489+20.00	206.67	160	-1.02%	-5.03%	39.91	-0.8	349.2
	POVC	489+50.00	206.25						
	PVI	490+00.00	205.85						
	POVC	490+00.00	205.05						
	POVC	490+50.00	203.22						
	PVT	490+80.00	201.82						
	PVT	490+80.00	201.82						
Linear	POVT	491+00.00	200.82	95	-5.03%				
	POVT	491+50.00	198.30						
	PVC	491+75.00	197.04						
Symmetrical Parabola	PVC	491+75.00	197.04	60	-5.03%	-5.39%	167.2	-0.03	3037.16
	POVC	492+00.00	195.77						
	PVI	492+05.00	195.53						
	PVT	492+35.00	193.92						
Linear	PVT	492+35.00	193.92	75	-5.39%				
	POVT	492+50.00	193.11						
	POVT	493+00.00	190.41						
	PVC	493+10.00	189.87						
Symmetrical Parabola	PVC	493+10.00	189.87	290	-5.39%	2.51%	36.71	2.86	
	POVC	493+50.00	187.93						
	POVC	494+00.00	186.12						
	POVC	494+50.00	184.99						
	PVI	494+55.00	182.05						
	POVC	495+00.00	184.55						
	VLOW	495+07.90	184.54						
	POVC	495+50.00	184.78						
	PVT	496+00.00	185.69						
	PVT	496+00.00	185.69						
Linear	POVT	496+50.00	186.95	210	2.51%				
	POVT	497+00.00	188.20						
	POVT	497+50.00	189.46						
	POVT	498+00.00	190.71						
	PVC	498+10.00	190.96						
Symmetrical Parabola	PVC	498+10.00	190.96	140	2.51%	4.23%	81.53	0.3	
	POVC	498+50.00	192.06						
	PVI	498+80.00	192.72						
	POVC	499+00.00	193.72						
Linear	PVT	499+50.00	195.68	100	4.23%				
	PVT	499+50.00	195.68						
	POVT	500+00.00	197.79						
	PVC	500+50.00	199.90						
Symmetrical Parabola	PVC	500+50.00	199.90	160	4.23%	2.07%	74.19	-0.43	580.4
	POVC	501+00.00	201.85						
	PVI	501+30.00	203.28						
	POVC	501+50.00	203.45						
	POVC	502+00.00	204.73						
Linear	PVT	502+10.00	204.94	55	2.07%				
	POVT	502+50.00	205.77						
	PVC	502+65.00	2						