

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	POB	0+20.00	528.73	10	0.91%				
	PVC	0+30.00	528.82						
	POVC	0+30.00	528.82						
Symmetrical Parabola	PVI	0+50.00	529	40	0.91%	-0.10%	39.72	-0.05	1081.48
	POVC	0+50.00	528.95						
	VHIGH	0+66.22	528.98						
	PVT	0+70.00	528.98						
	POVT	0+70.00	528.98						
Linear	POVT	1+00.00	528.95	105	-0.10%				
	POVT	1+50.00	528.9						
	PVC	1+75.00	528.88						
Symmetrical Parabola	PVC	1+75.00	528.88	170	-0.10%	11.86%	14.47	2.5	
	VLOW	1+76.38	528.88						
	POVC	2+00.00	529.07						
	POVC	2+50.00	530.75						
	PVI	2+60.00	528.8						
	POVC	3+00.00	534.16						
	PVRC	3+45.00	538.71						
Symmetrical Parabola	PVRC	3+45.00	538.71	150	11.66%	1.33%	14.53	-1.94	179.54
	POVC	3+50.00	539.28						
	POVC	4+00.00	544.08						
	PVI	4+20.00	547.45						
	POVC	4+50.00	547.15						
	PVT	4+95.00	548.45						
	POVT	4+95.00	548.45						
Linear	POVT	5+00.00	548.52	70	1.33%				
	POVT	5+50.00	549.18						
	PVC	5+65.00	549.38						
Symmetrical Parabola	PVC	5+65.00	549.38	220	1.33%	12.96%	18.92	3.2	
	POVC	6+00.00	550.17						
	POVC	6+50.00	552.43						
	PVI	6+75.00	550.85						
	POVC	7+00.00	556						
	POVC	7+50.00	560.9						
	PVT	7+85.00	565.11						
Linear	PVT	7+85.00	565.11	110	12.96%				
	POVT	8+00.00	567.05						
	POVT	8+50.00	573.54						
	PVC	8+95.00	579.37						
	POVC	10+00.00	586.92						
	PVT	10+05.00	586.98						
	POVT	8+95.00	579.37						
Symmetrical Parabola	PVC	8+95.00	579.37	110	12.96%	0.88%	9.1	-1.66	144.28
	POVC	9+00.00	580						
	PVI	9+50.00	586.5						
	POVC	9+50.00	584.84						
	PVT	10+05.00	586.98						
Linear	POVT	10+05.00	586.98	170	0.88%				
	POVT	10+50.00	587.38						
	POVT	11+00.00	587.81						
	POVT	11+50.00	588.25						
	PVC	11+75.00	588.47						
	PVC	11+75.00	588.47						
	POVC	12+00.00	588.74						
Symmetrical Parabola	POVC	12+00.00	588.74	100	0.88%	2.43%	64.57	0.19	
	PVI	12+25.00	588.91						
	POVC	12+50.00	589.56						
	PVT	12+75.00	590.12						
	POVT	12+75.00	590.12						
	POVT	13+00.00	590.73						
	PVC	13+15.00	591.09						
Symmetrical Parabola	PVC	13+15.00	591.09	140	2.43%	9.77%	19.06	1.29	
	POVC	13+50.00	592.26						
	PVI	13+85.00	592.79						
	POVC	14+00.00	595.05						
	POVC	14+50.00	599.15						
	PVT	14+55.00	599.63						
	POVT	14+55.00	599.63						
Linear	POVT	15+00.00	604.03	155	9.77%				
	POVT	15+50.00	608.91						
	POVT	16+00.00	613.8						
	PVC	16+10.00	614.77						
	PVC	16+10.00	614.77						
	POVC	16+50.00	618.59						
	PVI	16+85.00	622.1						
Symmetrical Parabola	POVC	17+00.00	623.09	150	9.77%	8.02%	85.89	-0.33	692.9
	POVC	17+50.00	627.31						
	PVRC	17+60.00	628.12						
	PVRC	17+60.00	628.12						
	POVC	18+00.00	631.37						
	POVC	18+50.00	635.55						
	PVI	18+55.00	635.74						
Symmetrical Parabola	POVC	19+00.00	639.85	190	8.02%	8.99%	195.96	0.23	
	PVRC	19+50.00	644.28						
	PVRC	19+50.00	644.28						
	PVI	20+00.00	648.78						
	POVC	20+00.00	648.37						
	PVT	20+50.00	651.62						
	POVT	20+50.00	651.62						
Symmetrical Parabola	PVT	20+50.00	651.62	100	8.99%	5.67%	30.13	-0.41	375.14
	POVT	21+00.00	654.45						
	PVC	21+12.50	655.16						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	21+12.50	655.16	315	5.67%	13.54%	40.03	3.1	
	POVC	21+50.00	657.47						
	POVC	22+00.00	661.08						
	POVC	22+50.00	665.33						
	PVI	22+70.00	664.1						
	POVC	23+00.00	670.19						
	POVC	23+50.00	675.68						
	POVC	24+00.00	681.8						
	PVT	24+27.50	685.43						
	PVT	24+27.50	685.43						
	POVT	24+50.00	688.48						
Linear	PVC	24+85.00	693.22	57.5	13.54%				
	PVC	24+85.00	693.22						
	POVC	25+00.00	695.22						
Symmetrical Parabola	POVC	25+00.00	695.22	270	13.54%	7.23%	42.75	-2.13	305.87
	POVC	25+50.00	701.53						
	POVC	26+00.00	707.24						
	PVI	26+20.00	711.5						
	POVC	26+50.00	712.38						
	POVC	27+00.00	716.93						
	POVC	27+50.00	720.89						
	PVRC	27+55.00	721.26						
	PVRC	27+55.00	721.26						
	POVC	28+00.00	724.55						
	POVC	28+50.00	728.29						
Symmetrical Parabola	POVC	29+00.00	732.12	390	7.23%	8.65%	273.29	0.7	
	POVC	29+50.00	736.05						
	PVI	29+50.00	735.35						
	POVC	30+00.00	740.06						
	POVC	30+50.00	744.17						
	POVC	31+00.00	748.37						
	PVT	31+45.00	752.23						
	PVT	31+45.00	752.23						
	POVT	31+50.00	752.66						
	PVC	31+85.00	755.69						
	Symmetrical Parabola	PVC	31+85.00						
POVC		32+00.00	756.96						
POVC		32+50.00	760.75						
POVC		33+00.00	763.88						
POVC		33+50.00	766.35						
PVI		33+55.00	770.4						
POVC		34+00.00	768.14						
POVC		34+50.00	769.28						
POVC		35+00.00	769.75						
VHIGH		35+10.24	769.76						
PVT		35+25.00	769.73						
Linear	PVT	35+25.00	769.73	92.5	-0.39%				
	POVT	35+50.00	769.63						
	POVT	36+00.00	769.44						
	PVC	36+17.50	769.37						
	PVC	36+17.50	769.37						
	POVC	36+50.00	769.28						
	VLOW	36+66.30	769.27						
Symmetrical Parabola	POVC	37+00.00	769.32	315	-0.39%	2.14%	124.23	1	
	POVC	37+50.00	769.55						
	PVI	37+75.00	768.75						
	POVC	38+00.00	769.99						
	POVC	38+50.00	770.63						
	POVC	39+00.00	771.47						
	PVT	39+32.50	772.13						
	PVT	39+32.50	772.13						
	POVT	39+50.00	772.5						
	PVC	39+75.00	773.04						
	Linear	PVC	39+75.00						
POVC		40+00.00	773.5						
POVC		40+50.00	773.98						
PVI		40+55.00	774.75						
VHIGH		40+66.39	774.01						
POVC		41+00.00	773.88						
PVT		41+35.00	773.46						
Linear	PVT	41+35.00	773.46	10	-1.61%				
	PVC	41+45.00	773.3						
	PVC	41+45.00	773.3						
Symmetrical Parabola	POVC	41+50.00	773.22	50	-1.61%	-0.86%	66.53	0.05	
	PVI	41+70.00	772.9						
	PVT	41+95.00	772.69						
Linear	PVT	41+95.00	772.69	30	-0.86%				
	POVT	42+00.00	772.64						
	PVC	42+25.00	772.43						
Symmetrical Parabola	PVC	42+25.00	772.43	30	-0.86%	-1.44%	51.24	-0.02	1858.19
	PVI	42+40.00	772.3						
	POVC	42+50.00	772.15						
	PVT	42+55.00	772.08						
	PVT	42+55.00	772.08						
Linear	PVT	42+55.00	772.08	140	-1.44%				
	POVT	43+00.00	771.43						
	POVT	43+50.00	770.71						
	PVC	43+95.00	770.06						
	PVC	43+95.00	770.06						
	POVC	44+00.00	769.99						
	POVC	44+50.00	769.52						
Symmetrical Parabola	VLOW	44+81.92	769.44	300	-1.44%	3.54%	60.25	1.87	
	POVC	45+00.00	769.46						
	PVI	45+45.00	767.9						
	POVC	45+50.00	769.82						
	POVC	46+00.00	770.59						
	POVC	46+50.00	771.78						
	PVT	46+95.00	773.21						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	46+95.00	773.21	367.5	3.54%				
	POVT	47+00.00	773.38						
	POVT	47+50.00	775.15						
	POVT	48+00.00	776.92						
	POVT	48+50.00	778.69						
	POVT	49+00.00	780.46						
	POVT	49+50.00	782.22						
	POVT	50+00.00	783.99						
	POVT	50+50.00	785.76						
	PVC	50+82.50	786.91						
	Symmetrical Parabola	PVC	50+82.50			786.91	285	3.54%	-1.74%
POVC		51+00.00	787.5						
POVC		51+50.00	788.88						
POVC		52+00.00	789.79						
PVI		52+25.00	791.95						
POVC		52+50.00	790.24						
VHIGH		52+73.49	790.29						
POVC		53+00.00	790.22						
POVC		53+50.00	789.75						
PVT		53+67.50	789.47						
Linear		PVT	53+67.50	789.47	27.5	-1.74%			
	PVC	53+95.00	788.99						
	PVC	53+95.00	788.99						
Symmetrical Parabola	VLOW	54+58.59	788.44	370	-1.74%	8.39%	36.53	4.68	
	POVC	54+00.00	788.91						
	POVC	54+50.00	788.45						
	POVC	55+00.00	788.67						
	POVC	55+50.00	789.58						
	PVI	55+80.00	785.77						
	POVC	56+00.00	791.17						
	POVC	56+50.00	793.45						
	POVC	57+00.00	796.41						
	POVC	57+50.00	800.06						
	PVT	57+65.00	801.29						
Linear	PVT	57+65.00	801.29	195	8.39%				
	POVT	58+00.00	804.22						
	POVT	58+50.00	806.42						
	POVT	59+00.00	812.61						
	POVT	59+50.00	816.81						
	PVC	59+60.00	817.64						
	PVC	59+60.00							