

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	A 14+50.00	1440.58	150	4.56%	5.12%	266.67	0.11	
	POVC	A 15+00.00	1442.91						
	PVI	A 15+25.00	1444						
	POVC	A 15+50.00	1445.33						
Linear	PVT	A 16+00.00	1447.84	95	5.12%				
	POVT	A 16+50.00	1450.4						
	PVC	A 16+95.00	1452.71						
	POVC	A 16+95.00	1452.71						
Symmetrical Parabola	POVC	A 17+00.00	1452.98	140	5.12%	2.57%	54.89	-0.45	493.09
	POVC	A 17+50.00	1455.25						
	PVI	A 17+65.00	1456.29						
	POVC	A 18+00.00	1457.08						
Linear	PVT	A 18+35.00	1458.09	100	2.57%				
	POVT	A 18+50.00	1458.47						
	POVT	A 19+00.00	1459.76						
	PVC	A 19+35.00	1460.68						
Symmetrical Parabola	PVC	A 19+35.00	1460.68	130	2.57%	3.68%	116.67	0.18	
	POVC	A 19+50.00	1461.05						
	POVC	A 20+00.00	1462.51						
	PVI	A 20+00.00	1462.33						
Linear	POVC	A 20+50.00	1464.18	110	3.68%				
	PVT	A 20+65.00	1464.72						
	PVT	A 20+65.00	1464.72						
	POVT	A 21+00.00	1466.01						
Symmetrical Parabola	POVC	A 21+50.00	1467.88	100	3.68%	2.63%	94.39	-0.13	1058.6
	PVC	A 21+75.00	1468.78						
	POVC	A 22+00.00	1469.67						
	PVI	A 22+25.00	1470.62						
Linear	POVC	A 22+50.00	1471.24	30	2.63%				
	PVT	A 22+75.00	1471.93						
	POVT	A 23+00.00	1472.59						
	PVC	A 23+05.00	1472.72						
Symmetrical Parabola	PVC	A 23+05.00	1472.72	80	2.63%	3.45%	97.38	0.08	
	PVI	A 23+45.00	1473.77						
	POVC	A 23+50.00	1474.01						
	PVT	A 23+85.00	1475.15						
Linear	PVT	A 23+85.00	1475.15	105	3.45%				
	POVT	A 24+00.00	1475.67						
	POVT	A 24+50.00	1477.39						
	PVC	A 24+90.00	1478.77						
Symmetrical Parabola	PVC	A 24+90.00	1478.77	140	3.45%	5.01%	89.44	0.27	
	POVC	A 25+00.00	1479.12						
	POVC	A 25+50.00	1481.04						
	PVI	A 25+60.00	1481.15						
Linear	POVC	A 26+00.00	1483.24	37.5	5.01%				
	PVT	A 26+30.00	1484.69						
	PVT	A 26+30.00	1484.69						
	POVT	A 26+50.00	1485.89						
Symmetrical Parabola	PVC	A 26+67.50	1486.57	125	5.01%	2.93%	60.12	-0.32	581.49
	POVC	A 27+00.00	1488.11						
	PVI	A 27+30.00	1489.7						
	POVC	A 27+50.00	1490.14						
Linear	PVT	A 27+92.50	1491.53	247.5	2.93%				
	POVT	A 28+00.00	1491.75						
	POVT	A 28+50.00	1493.22						
	POVT	A 29+00.00	1494.69						
Symmetrical Parabola	POVT	A 29+50.00	1496.15	120	2.93%	2.81%	945.8	-0.02	8565.49
	POVT	A 30+00.00	1497.62						
	PVC	A 30+40.00	1498.79						
	POVC	A 30+50.00	1499.08						
Linear	POVC	A 31+00.00	1500.53	250	2.81%				
	PVI	A 31+00.00	1500.55						
	POVC	A 31+50.00	1501.95						
	PVT	A 31+60.00	1502.23						
Symmetrical Parabola	PVT	A 31+60.00	1502.23	100	2.81%	2.20%	166.02	-0.08	1841.63
	POVT	A 32+00.00	1503.36						
	POVT	A 32+50.00	1504.76						
	POVT	A 33+00.00	1506.16						
Linear	POVT	A 33+50.00	1507.56	100	2.81%	2.20%	166.02	-0.08	1841.63
	POVT	A 34+00.00	1508.97						
	PVC	A 34+10.00	1509.25						
	PVC	A 34+10.00	1509.25						
Symmetrical Parabola	POVC	A 34+50.00	1510.32	122.5	2.20%				
	PVI	A 34+60.00	1510.65						
	POVC	A 35+00.00	1511.53						
	PVT	A 35+10.00	1511.75						
Linear	PVT	A 35+10.00	1511.75	275	2.20%	4.50%	119.52	0.79	
	POVT	A 35+50.00	1512.63						
	POVT	A 36+00.00	1513.73						
	PVC	A 36+32.50	1514.45						
Symmetrical Parabola	PVC	A 36+32.50	1514.45	170	1.96%	6.93%	34.2	1.06	
	POVC	A 36+50.00	1514.85						
	POVC	A 37+00.00	1516.13						
	POVC	A 37+50.00	1517.62						
Linear	PVI	A 37+70.00	1517.48	115	6.93%	9.35%	47.62	0.35	
	POVC	A 38+00.00	1519.31						
	POVC	A 38+50.00	1521.22						
	POVC	A 39+00.00	1523.34						
Symmetrical Parabola	PVT	A 39+07.50	1523.67	170	1.96%	6.93%	34.2	1.06	
	POVC	A 39+50.00	1525.59						
	POVC	A 40+00.00	1527.84						
	POVC	A 40+50.00	1530.09						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	A 39+07.50	1523.67	167.5	4.50%				
	POVT	A 39+50.00	1525.59						
	POVT	A 40+00.00	1527.84						
	POVT	A 40+50.00	1530.09						
Symmetrical Parabola	PVC	A 40+75.00	1531.22	350	4.50%	6.49%	176.35	0.67	
	POVC	A 41+00.00	1532.36						
	POVC	A 41+50.00	1534.76						
	POVC	A 42+00.00	1537.29						
Linear	POVC	A 42+50.00	1539.97	90	6.49%				
	PVI	A 42+50.00	1539.1						
	POVC	A 43+00.00	1542.79						
	POVC	A 43+50.00	1545.75						
Symmetrical Parabola	POVC	A 44+00.00	1548.85	100	6.49%	3.12%	29.68	-0.42	370.33
	PVT	A 44+25.00	1550.46						
	PVT	A 44+25.00	1550.46						
	POVT	A 44+50.00	1552.08						
Linear	POVT	A 45+00.00	1555.32	207.5	3.12%				
	PVC	A 45+15.00	1556.3						
	PVC	A 45+15.00	1556.3						
	POVC	A 45+50.00	1558.36						
Symmetrical Parabola	PVI	A 45+65.00	1559.54	235	3.12%	0.98%	109.91	-0.63	622.2
	POVC	A 46+00.00	1560.59						
	PVT	A 46+15.00	1561.1						
	PVT	A 46+15.00	1561.1						
Linear	POVT	A 46+50.00	1562.19	110	0.98%	2.70%	83.9	0.24	
	POVT	A 47+00.00	1563.75						
	POVT	A 47+50.00	1565.31						
	POVT	A 48+00.00	1566.87						
Symmetrical Parabola	PVC	A 48+22.50	1567.57	200	2.70%	-1.23%	50.79	-0.98	374.03
	POVC	A 48+50.00	1568.4						
	POVC	A 49+00.00	1569.72						
	PVI	A 49+40.00	1571.24						
Linear	POVC	A 49+50.00	1570.81	47.5	0.98%				
	POVC	A 50+00.00	1571.68						
	POVC	A 50+50.00	1572.32						
	PVT	A 50+57.50	1572.39						
Symmetrical Parabola	PVT	A 50+57.50	1572.39	110	0.98%	2.70%	83.9	0.24	
	POVT	A 51+00.00	1572.81						
	PVC	A 51+05.00	1572.86						
	PVC	A 51+05.00	1572.86						
Linear	POVC	A 51+50.00	1573.46	200	2.70%	-1.23%	50.79	-0.98	374.03
	PVI	A 51+60.00	1573.4						
	PVRC	A 52+15.00	1574.89						
	PVRC	A 52+15.00	1574.89						
Symmetrical Parabola	POVC	A 52+50.00	1575.71	185	2.05%				
	POVC	A 53+00.00	1576.47						
	PVI	A 53+15.00	1577.59						
	POVC	A 53+50.00	1578.96						
Linear	POVC	A 54+00.00	1578.52	55	-1.23%				
	PVT	A 54+15.00	1578.36						
	PVT	A 54+15.00	1578.36						
	POVT	A 54+50.00	1579.92						
Symmetrical Parabola	PVC	A 54+70.00	1579.68	150	-1.23%	2.05%	45.69	0.62	
	POVC	A 55+00.00	1575.4						
	VLOW	A 55+26.41	1575.33						
	PVI	A 55+45.00	1574.75						
Linear	POVC	A 55+50.00	1575.39	100	2.05%	3.14%	91.91	0.14	
	POVC	A 56+00.00	1575.92						
	PVT	A 56+20.00	1576.29						
	PVT	A 56+20.00	1576.29						
Symmetrical Parabola	POVT	A 56+50.00	1576.9	45	3.14%				
	POVT	A 57+00.00	1577.93						
	POVT	A 57+50.00	1578.96						
	POVT	A 58+00.00	1579.97						
Linear	PVC	A 58+05.00	1580.08	100	2.05%	3.14%	91.91	0.14	
	POVC	A 58+05.00	1580.08						
	POVC	A 58+50.00	1581.11						
	PVI	A 58+55.00	1581.1						
Symmetrical Parabola	POVC	A 59+00.00	1582.51	250	3.14%	1.96%	212.89	-0.37	1043.98
	PVT	A 59+05.00	1582.67						
	PVT	A 59+05.00	1582.67						
	PVC	A 59+50.00	1584.08						
Linear	PVC	A 59+50.00	1584.08	80	1.96%				
	POVC	A 60+00.00	1585.59						
	POVC	A 60+50.00	1586.98						
	PVI	A 60+75.00	1588						
Symmetrical Parabola	POVC	A 61+00.00	1588.26	170	1.96%	6.93%	34.2	1.06	
	POVC	A 61+50.00	1589.41						
	PVT	A 62+00.00	1590.45						
	PVT	A 62+00.00	1590.45						
Linear	POVT	A 62+50.00	1591.43	115	6.93%	9.35%	47.62	0.35	
	PVC	A 62+80.00	1592.02						
	PVC	A 62+80.00	1592.02						
	POVC	A 63+00.00	1592.47						
Symmetrical Parabola	POVC	A 63+50.00	1594.11	90	5.69%	4.73%	94.46	-0.11	1177.66
	PVI	A 63+65.00	1593.69						
	POVC	A 64+00.00	1596.48						
	PVCC	A 64+50.00	1599.58						
Symmetrical Parabola	PVCC	A 64+50.00	1599.58	170	1.96%	6.93%	34.2	1.06	
	POVC	A 65+00.00	1603.31						
	PVI	A 65+07.50	1603.57						
	POVC	A 65+50.00	1607.57						
Linear	PVRC	A 65+65.00	1608.95	90	5.69%	4.73%	94.46	-0.11	1177.66
	POVC	A 66+00.00	1610.00						
	POVC	A 66+50.00	1612.15						
	POVC	A 67+00.00	1616.47						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVRC	A 66+65.00	1608.95	560	9.35%	2.86%	86.37	-4.54	431.74
	POVC	A 66+00.00	1612.15						