

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVRC	A 43+39.99	1116.42	400	-0.49%	-2.32%	218.1	-0.92	788.4
	POVC	A 43+50.00	1116.37						
	POVC	A 44+00.00	1116.05						
	POVC	A 44+50.00	1115.61						
	POVC	A 45+00.00	1115.06						
	PVI	A 45+39.99	1115.45						
	POVC	A 45+50.00	1114.39						
	POVC	A 46+00.00	1113.61						
	POVC	A 46+50.00	1112.71						
	POVC	A 47+00.00	1111.7						
Symmetrical Parabola	PVRC	A 47+39.99	1110.81	570	-2.32%	1.36%	154.82	2.62	
	POVC	A 47+50.00	1110.58						
	POVC	A 48+00.00	1109.54						
	POVC	A 48+50.00	1108.65						
	POVC	A 49+00.00	1107.93						
	POVC	A 49+50.00	1107.36						
	POVC	A 50+00.00	1106.96						
	PVI	A 50+24.99	1104.2						
	POVC	A 50+50.00	1106.72						
	VLOW	A 50+99.10	1106.65						
Linear	POVC	A 51+00.00	1106.65	175	1.36%				
	POVC	A 51+50.00	1106.73						
	POVC	A 52+00.00	1106.97						
	POVC	A 52+50.00	1107.38						
	POVC	A 53+00.00	1107.95						
	PVT	A 53+09.99	1108.08						
	PVT	A 53+09.99	1108.08						
	POVT	A 53+50.00	1108.63						
	POVT	A 54+00.00	1109.31						
	POVT	A 54+50.00	1109.99						
Symmetrical Parabola	PVC	A 54+84.99	1110.47	350	1.36%	-3.29%	75.17	-2.04	406.78
	POVC	A 55+00.00	1110.66						
	POVC	A 55+50.00	1111.07						
	VHIGH	A 55+87.39	1111.16						
	POVC	A 56+00.00	1111.15						
	POVC	A 56+50.00	1110.9						
	PVI	A 56+59.99	1112.85						
	POVC	A 57+00.00	1110.32						
	POVC	A 57+50.00	1109.4						
	POVC	A 58+00.00	1108.16						
Linear	PVT	A 58+34.99	1107.09	145	-3.29%				
	PVT	A 58+34.99	1107.09						
	POVT	A 58+50.00	1106.59						
	POVT	A 59+00.00	1104.94						
	POVT	A 59+50.00	1103.3						
	PVC	A 59+79.99	1102.31						
	PVC	A 59+79.99	1102.31						
	POVC	A 60+00.00	1101.63						
	POVC	A 60+50.00	1099.78						
	POVC	A 61+00.00	1097.71						
Symmetrical Parabola	POVC	A 61+50.00	1095.4	620	-3.29%	-8.91%	110.41	-4.35	488.16
	POVC	A 62+00.00	1092.87						
	POVC	A 62+50.00	1090.12						
	PVI	A 62+89.99	1092.1						
	POVC	A 63+00.00	1087.13						
	POVC	A 63+50.00	1083.92						
	POVC	A 64+00.00	1080.49						
	POVC	A 64+50.00	1076.83						
	POVC	A 65+00.00	1072.94						
	POVC	A 65+50.00	1068.82						
Symmetrical Parabola	PVRC	A 65+99.99	1064.48	100	-8.91%	-8.41%	199.09	0.06	
	PVRC	A 65+99.99	1064.48						
	POVC	A 66+00.00	1064.48						
	PVI	A 66+49.99	1060.03						
	POVC	A 66+50.00	1060.09						
	PVT	A 66+99.99	1055.82						
	PVT	A 66+99.99	1055.82						
	POVT	A 67+00.00	1055.82						
	POVT	A 67+50.00	1051.62						
	POVT	A 68+00.00	1047.42						
Linear	POVT	A 68+50.00	1043.21	200	-8.41%				
	PVC	A 68+99.98	1039.01						
	PVC	A 68+99.98	1039.01						
	POVC	A 69+00.00	1039.01						
	POVC	A 69+50.00	1034.8						
	POVC	A 70+00.00	1030.57						
	PVI	A 70+49.98	1026.4						
	POVC	A 70+50.00	1026.33						
	POVC	A 71+00.00	1022.08						
	POVC	A 71+50.00	1017.81						
Linear	PVT	A 71+99.98	1013.52	175	-8.58%				
	PVT	A 71+99.98	1013.52						
	POVT	A 72+00.00	1013.52						
	POVT	A 72+50.00	1009.23						
	POVT	A 73+00.00	1004.94						
	POVT	A 73+50.00	1000.65						
	PVC	A 73+74.99	998.5						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	A 73+74.99	998.5	100	-8.58%	-9.65%	93.81	-0.13	1062.33
	POVC	A 74+00.00	996.32						
	PVI	A 74+24.99	994.21						
	POVC	A 74+50.00	991.76						
	PVT	A 74+74.99	989.39						
Linear	PVT	A 74+74.99	989.39	330	-9.65%				
	POVT	A 74+74.99	989.39						
	POVT	A 75+00.00	986.97						
	POVT	A 75+50.00	982.15						
	POVT	A 76+00.00	977.32						
Symmetrical Parabola	PVC	A 76+50.00	972.5	360	-9.65%	-4.54%	70.49	2.3	
	POVC	A 77+00.00	967.67						
	POVT	A 77+50.00	962.85						
	POVT	A 78+00.00	958.02						
	PVC	A 78+04.99	957.54						
Symmetrical Parabola	PVC	A 78+04.99	957.54	120	-4.54%	-7.49%	40.68	-0.44	425.81
	POVC	A 78+50.00	953.34						
	POVC	A 79+00.00	949.01						
	POVC	A 79+50.00	945.04						
	PVI	A 79+84.99	940.17						
Linear	POVC	A 80+00.00	941.42	55	-4.54%				
	POVC	A 80+50.00	938.15						
	POVC	A 81+00.00	935.24						
	POVC	A 81+50.00	932.69						
	PVT	A 81+64.99	931.99						
Symmetrical Parabola	PVT	A 81+64.99	931.99	240	-7.49%				
	POVT	A 82+00.00	930.4						
	PVC	A 82+19.99	929.49						
	PVC	A 82+19.99	929.49						
	POVC	A 82+50.00	928.02						
Linear	PVI	A 82+79.99	926.77	320	-7.49%	-0.47%	45.54	2.81	
	POVC	A 83+00.00	925.07						
	PVT	A 83+39.99	922.27						
	PVT	A 83+39.99	922.27						
	POVT	A 83+50.00	921.52						
Symmetrical Parabola	POVT	A 84+00.00	917.78	440	-0.47%	-4.74%	102.89	-2.35	472.35
	POVT	A 84+50.00	914.03						
	POVT	A 85+00.00	910.28						
	POVT	A 85+50.00	906.54						
	PVC	A 85+79.99	904.29						
Linear	PVC	A 85+79.99	904.29	220	-0.47%				
	POVC	A 86+00.00	902.83						
	POVC	A 86+50.00	899.58						
	POVC	A 87+00.00	896.88						
	PVI	A 87+39.99	892.3						
Symmetrical Parabola	POVC	A 87+50.00	894.72	565	-4.74%				
	POVC	A 88+00.00	893.12						
	POVC	A 88+50.00	892.06						
	PVT	A 88+99.99	891.55						
	PVT	A 88+99.99	891.55						
Linear	POVT	A 89+00.00	891.55	250	-4.74%	-4.68%	4078.39	0.02	
	POVT	A 89+50.00	891.32						
	POVT	A 90+00.00	891.09						
	POVT	A 90+50.00	890.85						
	POVT	A 91+00.00	890.62						
Symmetrical Parabola	PVC	A 91+19.99	890.53	250	-4.74%	-4.68%	4078.39	0.02	
	POVC	A 91+50.00	890.34						
	POVC	A 92+00.00	889.84						
	POVC	A 92+50.00	889.1						
	POVC	A 93+00.00	888.11						
Linear	PVI	A 93+39.99	889.5	175	-8.58%				
	POVC	A 93+50.00	886.88						
	POVC	A 94+00.00	885.41						
	POVC	A 94+50.00	883.69						
	POVC	A 95+00.00	881.74						
Symmetrical Parabola	POVC	A 95+50.00	879.53	100	-8.91%	-8.41%	199.09	0.06	
	PVT	A 95+59.99	879.07						
	PVT	A 95+59.99	879.07						
	POVT	A 96+00.00	877.17						
	POVT	A 96+50.00	874.8						
Linear	POVT	A 97+00.00	872.42	200	-8.41%				
	POVT	A 97+50.00	870.05						
	POVT	A 98+00.00	867.68						
	POVT	A 98+50.00	865.31						
	POVT	A 99+00.00	862.94						
Symmetrical Parabola	POVT	A 99+50.00	860.57	300	-8.41%	-8.58%	1694.08	-0.07	6243.9
	POVT	A 100+00.00	858.2						
	POVT	A 100+50.00	855.82						
	POVT	A 101+00.00	853.45						
	PVC	A 101+24.98	852.27						
Symmetrical Parabola	PVC	A 101+24.98	852.27	175	-8.58%				
	POVC	A 101+50.00	851.08						
	POVC	A 102+00.00	848.72						
	PVI	A 102+49.98	846.34						
	POVC	A 102+50.00	846.36						
Linear	POVC	A 103+00.00	844	175	-8.58%				
	POVC	A 103+50.00	841.66						
	PVRC	A 103+74.98	840.49						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVRC	A 103+74.98	840.49	300	-4.68%	-5.82%	264.21	-0.43	1100.39
	POVC	A 104+00.00	839.3						
	POVC	A 104+50.00	836.87						
	POVC	A 105+00.00	834.34						
	PVI	A 105+24.98	833.46						
	POVC	A 105+50.00	831.71						
	POVC	A 106+00.00	828.99						
	POVC	A 106+50.00	826.18						
	PVT	A 106+74.98	824.74						
	PVT	A 106+74.98	824.74						
Linear	POVT	A 107+00.00	823.28	105	-5.82%				
	POVT	A 107+50.00	820.37						
	PVC	A 107+79.99	818.63						
Symmetrical Parabola	PVC	A 107+79.99	818.63	450	-5.82%	2.29%	55.54	4.56	
	POVC	A 108+00.00	817.5						
	POVC	A 108+50.00	815						
	POVC	A 109+00.00	812.95						
	POVC	A 109+50.00	811.34						
	POVC	A 110+00.00	810.19						
	PVI	A 110+04.99	805.54						
	POVC	A 110+50.00	809.49						
	POVC	A 111+00.00	809.23						
	VLOW	A 111+03.07	809.23						
Linear	POVC	A 111+50.00	809.43	40	2.29%				
	POVC	A 112+00.00	810.08						
	PVT	A 112+29.99	810.68						
Symmetrical Parabola	PVT	A 112+29.99	810.68	180	2.29%	0.32%	91.7	-0.44	639.79
	POVT	A 112+50.00	811.14						
	PVC	A 112+69.99	811.6						
Linear	PVC	A 112+69.99	811.6	107.01	0.32%				
	POVC	A 113+00.00	812.23						
	POVC	A 113+50.00	813.08						
	PVI	A 113+59.99	813.65						
	POVC	A 114+00.00	813.65						
Linear	PVT	A 114+49.99	813.94						
	PVT	A 114+49.99	813.94						
	POVT	A 114+50.00	813.94						
	POVT	A 115+00.00	814.1						
	POE	A 115+57.00	814.3						

PVC - POINT OF VERTICAL CURVATURE
PVT - POINT OF VERTICAL TANGENCY
PVI - POINT OF VERTICAL INTERSECTION

POVT - POINT ON VERTICAL TANGENT
POVC - POINT ON VERTICAL CURVE

**VERTICAL
ALIGNMENT
TABLE
SHEET 4**

PROJECT NAME: ELMORE-MORRISTOWN
PROJECT NUMBER: STP 2937 (1)

FILE NAME: z11c310.dgn
PROJECT LEADER: C. LATHROP
DESIGNED BY: S. LAMPHERE
PLOT FILE: z11c310_123.i

PLOT DATE: 3/3/14
DRAWN BY: S. LAMPHERE
CHECKED BY: C. LATHROP
SHEET 123 OF 194