

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVRC	F 78+70.00	760.85	220	2.96%	-0.49%	64	-0.95	423
	POVC	F 79+00.00	761.66						
	POVC	F 79+50.00	762.71						
	PVI	F 79+80.00	764.10						
	POVC	F 80+00.00	763.37						
	POVC	F 80+50.00	763.63						
	VHIGH	F 80+58.49	763.63						
	PVT	F 80+90.00	763.56						
Linear	PVT	F 80+90.00	763.56	170	-0.49%				
	POVT	F 81+00.00	763.51						
	POVT	F 81+50.00	763.26						
	POVT	F 82+00.00	763.01						
	POVT	F 82+50.00	762.77						
Symmetrical Parabola	PVC	F 82+60.00	762.72	140	-0.49%	-2.42%	73	-0.34	632
	PVC	F 82+60.00	762.72						
	POVC	F 83+00.00	762.41						
	PVI	F 83+30.00	762.37						
	POVC	F 83+50.00	761.72						
Symmetrical Parabola	PVCC	F 84+00.00	760.68	80	-2.42%	-3.62%	66	-0.12	937
	PVCC	F 84+00.00	760.68						
	PVI	F 84+40.00	759.71						
Symmetrical Parabola	POVC	F 84+50.00	759.28	120	-3.62%	-2.44%	102	0.18	
	PVRC	F 84+80.00	758.27						
	PVRC	F 84+80.00	758.27						
	POVC	F 85+00.00	757.56						
Symmetrical Parabola	PVI	F 85+40.00	756.10	150	-2.44%				
	POVC	F 85+50.00	755.97						
	PVT	F 86+00.00	754.63						
	PVT	F 86+00.00	754.63						
Linear	POVT	F 86+50.00	753.41	260	-2.44%	2.14%	57	1.49	
	POVT	F 87+00.00	752.19						
	PVC	F 87+50.00	750.97						
	PVC	F 87+50.00	750.97						
Symmetrical Parabola	POVC	F 88+00.00	749.97	65	2.14%				
	POVC	F 88+00.00	749.97						
	POVC	F 88+50.00	749.41						
	PVI	F 88+80.00	747.79						
	VLOW	F 88+88.41	749.28						
	POVC	F 89+00.00	749.29						
	POVC	F 89+50.00	749.61						
	POVC	F 90+00.00	750.38						
Linear	PVT	F 90+10.00	750.58	110	2.14%	-4.09%	18	-0.86	228
	PVT	F 90+10.00	750.58						
	POVT	F 90+50.00	751.44						
	PVC	F 90+75.00	751.98						
Symmetrical Parabola	PVC	F 90+75.00	751.98	240	-4.09%				
	PVC	F 90+75.00	751.98						
	POVC	F 91+00.00	752.34						
	VHIGH	F 91+12.83	752.38						
	PVI	F 91+30.00	753.16						
Linear	POVC	F 91+50.00	751.99	150	-4.09%	-1.94%	70	0.40	
	PVT	F 91+85.00	750.91						
	PVT	F 91+85.00	750.91						
	POVT	F 92+00.00	750.29						
	POVT	F 92+50.00	748.25						
	POVT	F 93+00.00	746.20						
	POVT	F 93+50.00	744.16						
	POVT	F 94+00.00	742.11						
Symmetrical Parabola	PVC	F 94+25.00	741.09	152.5	-1.94%				
	PVC	F 94+25.00	741.09						
	POVC	F 94+50.00	740.11						
	PVI	F 95+00.00	738.02						
	POVC	F 95+50.00	737.09						
Linear	PVT	F 95+75.00	736.57	145	-1.94%	-0.30%	88	0.30	
	PVT	F 95+75.00	736.57						
	POVT	F 96+00.00	736.08						
	POVT	F 96+50.00	735.11						
	POVT	F 97+00.00	734.14						
Symmetrical Parabola	PVC	F 97+27.50	733.61	295	-0.30%	2.54%	104	1.04	
	PVC	F 97+27.50	733.61						
	POVC	F 97+50.00	733.20						
	PVI	F 98+00.00	732.21						
	POVC	F 98+50.00	732.09						
	PVCC	F 98+72.50	731.99						
	PVCC	F 98+72.50	731.99						
	POVC	F 99+00.00	731.94						
Linear	VLOW	F 99+03.56	731.94	92.5	2.54%				
	POVC	F 99+50.00	732.05						
	POVC	F 100+00.00	732.39						
	PVI	F 100+20.00	731.55						
	POVC	F 100+50.00	732.97						
	POVC	F 101+00.00	733.80						
	POVC	F 101+50.00	734.86						
	PVT	F 101+67.50	735.29						
Linear	PVT	F 101+67.50	735.29	92.5	2.54%				
	POVT	F 102+00.00	736.11						
	POVT	F 102+50.00	737.38						
	PVC	F 102+60.00	737.64						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	F 102+60.00	737.64	340	2.54%	-4.70%	47	-3.07	318
	POVC	F 103+00.00	738.48						
	POVC	F 103+50.00	739.06						
	VHIGH	F 103+79.16	739.15						
	POVC	F 104+00.00	739.10						
	PVI	F 104+30.00	741.95						
	POVC	F 104+50.00	738.61						
	POVC	F 105+00.00	737.59						
	POVC	F 105+50.00	736.04						
	PVT	F 106+00.00	733.96						
	Linear	PVT	F 106+00.00						
PVC		F 106+20.00	733.02						
Symmetrical Parabola	PVC	F 106+20.00	733.02	110	-4.70%	-2.79%	58	0.26	
	POVC	F 106+50.00	731.69						
	PVI	F 106+75.00	730.43						
	POVC	F 107+00.00	729.81						
	PVT	F 107+30.00	728.90						
Linear	PVT	F 107+30.00	728.90	90	-2.79%				
	POVT	F 107+50.00	728.34						
	POVT	F 108+00.00	726.95						
Symmetrical Parabola	PVC	F 108+20.00	726.39	300	-2.79%	2.12%	61	1.84	
	PVC	F 108+20.00	726.39						
	POVC	F 108+50.00	725.62						
	POVC	F 109+00.00	724.68						
	POVC	F 109+50.00	724.14						
	PVI	F 109+70.00	722.20						
	VLOW	F 109+90.47	724.01						
	POVC	F 110+00.00	724.02						
	POVC	F 110+50.00	724.30						
	POVC	F 111+00.00	724.99						
	PVT	F 111+20.00	725.38						
Linear	PVT	F 111+20.00	725.38	50	2.12%				
	POVT	F 111+50.00	726.02						
	PVC	F 111+70.00	726.44						
Symmetrical Parabola	PVC	F 111+70.00	726.44	90	2.12%	3.23%	81	0.13	
	POVC	F 112+00.00	727.13						
	PVI	F 112+15.00	727.40						
	POVC	F 112+50.00	728.53						
	PVRC	F 112+60.00	728.85						
Symmetrical Parabola	PVRC	F 112+60.00	728.85	200	3.23%	-1.80%	40	-1.26	314
	POVC	F 113+00.00	729.94						
	POVC	F 113+50.00	730.74						
	PVI	F 113+60.00	732.08						
	VHIGH	F 113+88.41	730.93						
	POVC	F 114+00.00	730.91						
	POVC	F 114+50.00	730.45						
	PVT	F 114+60.00	730.28						
Linear	PVT	F 114+60.00	730.28	35	-1.80%				
	PVC	F 114+95.00	729.65						
Symmetrical Parabola	PVC	F 114+95.00	729.65	100	-1.80%	-1.17%	158	0.08	
	POVC	F 115+00.00	729.56						
	PVI	F 115+45.00	728.75						
	POVC	F 115+50.00	728.76						
	PVT	F 115+95.00	728.17						
Linear	PVT	F 115+95.00	728.17	315	-1.17%				
	POVT	F 116+00.00	728.11						
	POVT	F 116+50.00	727.52						
	POVT	F 117+00.00	726.94						
	POVT	F 117+50.00	726.35						
	POVT	F 118+00.00	725.77						
	POVT	F 118+50.00	725.18						
	POVT	F 119+00.00	724.60						
	PVC	F 119+10.00	724.48						
	PVC	F 119+10.00	724.48						
	POVC	F 119+50.00	723.83						
Symmetrical Parabola	PVI	F 119+60.00	723.90	100	-1.17%	-3.41%	45	-0.28	531
	POVC	F 120+00.00	722.52						
	PVT	F 120+10.00	722.19						
Linear	PVT	F 120+10.00	722.19	105	-3.41%				
	POVT	F 120+50.00	720.83						
	POVT	F 121+00.00	719.12						
	PVC	F 121+15.00	718.61						

VERTICAL ALIGNMENT SHEET 7

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(I)

FILE NAME: pl0c224.dgn

PLOT DATE: 1/29/2013

PROJECT LEADER: PTS

DRAWN BY: JLS

DESIGNED BY: NULL

CHECKED BY: PTS

IPARM FILE NAME: IOC224_I06

SHEET 106 OF 232