

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	388+50.00	787.83	800	-1.75%	-0.13%	494	1.62	
	POVC	389+00.00	786.98						
	POVC	389+50.00	786.18						
	POVC	390+00.00	785.43						
	POVC	390+50.00	784.73						
	POVC	391+00.00	784.08						
	POVC	391+50.00	783.49						
	POVC	392+00.00	782.94						
	PVI	392+50.00	780.83						
	POVC	393+00.00	782.00						
	POVC	393+50.00	781.61						
	POVC	394+00.00	781.26						
	POVC	394+50.00	780.97						
	POVC	395+00.00	780.73						
	POVC	395+50.00	780.54						
POVC	396+00.00	780.39							
PVT	396+50.00	780.30							
Linear	PVT	396+50.00	780.30	290	-0.13%				
	POVT	397+00.00	780.24						
	POVT	397+50.00	780.17						
	POVT	398+00.00	780.11						
	POVT	398+50.00	780.04						
Symmetrical Parabola	POVT	399+00.00	779.98	120	-0.13%	-1.51%	87	-0.21	840
	PVC	399+40.00	779.92						
	POVC	399+50.00	779.91						
	PVI	400+00.00	779.85						
	POVC	400+50.00	779.08						
Linear	PVT	400+60.00	778.94	195	-1.51%				
	PVT	400+60.00	778.94						
	POVT	401+00.00	778.33						
	POVT	401+50.00	777.57						
	POVT	402+00.00	776.82						
Symmetrical Parabola	POVT	402+50.00	776.06	150	-1.51%	-0.09%	105	0.27	
	PVC	402+55.00	775.98						
	POVC	403+00.00	775.40						
	PVI	403+30.00	774.85						
	POVC	403+50.00	774.98						
Linear	POVC	404+00.00	774.79	490	-0.09%				
	PVT	404+05.00	774.78						
	PVT	404+05.00	774.78						
	POVT	404+50.00	774.74						
	POVT	405+00.00	774.70						
	POVT	405+50.00	774.66						
	POVT	406+00.00	774.61						
	POVT	406+50.00	774.57						
	POVT	407+00.00	774.52						
	POVT	407+50.00	774.48						
	POVT	408+00.00	774.44						
	POVT	408+20.00	774.42						
	POVT	F 0+00.00	774.42						
	POVT	F 0+50.00	774.37						
	PVC	F 0+75.00	774.35						
Symmetrical Parabola	PVC	F 0+75.00	774.35	170	-0.09%	1.60%	101	0.36	
	VLOW	F 0+83.84	774.35						
	POVC	F 1+00.00	774.36						
	POVC	F 1+50.00	774.57						
	PVI	F 1+60.00	774.28						
Linear	POVC	F 2+00.00	775.02	170	1.60%				
	PVT	F 2+45.00	775.64						
	PVT	F 2+45.00	775.64						
	POVT	F 2+50.00	775.72						
	POVT	F 3+00.00	776.52						
Symmetrical Parabola	POVT	F 3+50.00	777.32	310	1.60%	-2.10%	84	-1.43	447
	POVT	F 4+00.00	778.12						
	PVC	F 4+15.00	778.37						
	PVC	F 4+15.00	778.37						
	POVC	F 4+50.00	778.85						
	POVC	F 5+00.00	779.30						
	VHIGH	F 5+49.25	779.44						
	POVC	F 5+50.00	779.44						
	PVI	F 5+70.00	780.85						
	POVC	F 6+00.00	779.29						
	POVC	F 6+50.00	778.84						
	POVC	F 7+00.00	778.08						
	PVT	F 7+25.00	777.60						
	PVT	F 7+25.00	777.60						
	Linear	POVT	F 7+50.00						
POVT		F 8+00.00	776.02						
POVT		F 8+50.00	774.97						
POVT		F 9+00.00	773.93						
POVT		F 9+50.00	772.88						
POVT		F 10+00.00	771.83						
PVC		F 10+40.00	770.99						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	F 10+40.00	770.99	120	-2.10%	-0.88%	99	0.18	
	POVC	F 10+50.00	770.78						
	PVI	F 11+00.00	769.73						
	POVC	F 11+50.00	769.29						
	PVT	F 11+60.00	769.20						
Linear	PVT	F 11+60.00	769.20	230	-0.88%				
	POVT	F 12+00.00	768.85						
	POVT	F 12+50.00	768.41						
	POVT	F 13+00.00	767.96						
	POVT	F 13+50.00	767.52						
Symmetrical Parabola	PVC	F 13+90.00	767.17	230	-0.88%	5.19%	38	1.75	
	PVC	F 13+90.00	767.17						
	POVC	F 14+00.00	767.10						
	VLOW	F 14+23.42	767.02						
	POVC	F 14+50.00	767.12						
	POVC	F 15+00.00	767.80						
	PVI	F 15+05.00	766.16						
	POVC	F 15+50.00	769.14						
	POVC	F 16+00.00	771.14						
	PVT	F 16+20.00	772.12						
Linear	PVT	F 16+20.00	772.12	80	5.19%				
	POVT	F 16+50.00	773.68						
	PVC	F 17+00.00	776.27						
Symmetrical Parabola	PVC	F 17+00.00	776.27	400	5.19%	-4.90%	40	-5.04	293
	POVC	F 17+50.00	778.55						
	POVC	F 18+00.00	780.20						
	POVC	F 18+50.00	781.22						
	PVI	F 19+00.00	786.65						
	VHIGH	F 19+05.78	781.61						
	POVC	F 19+50.00	781.36						
	POVC	F 20+00.00	780.49						
	POVC	F 20+50.00	778.99						
	PVT	F 21+00.00	776.86						
Linear	PVT	F 21+00.00	776.86	40	-4.90%				
	PVC	F 21+40.00	774.90						
Symmetrical Parabola	PVC	F 21+40.00	774.90	200	-4.90%	1.80%	30	1.67	
	POVC	F 21+50.00	774.42						
	POVC	F 22+00.00	772.56						
	PVI	F 22+40.00	770.00						
	POVC	F 22+50.00	771.54						
	VLOW	F 22+86.32	771.31						
	POVC	F 23+00.00	771.35						
	PVT	F 23+40.00	771.80						
	PVT	F 23+40.00	771.80						
	POVT	F 23+50.00	771.98						
Symmetrical Parabola	PVC	F 23+95.00	772.78	570	1.80%	-2.92%	121	-3.36	511
	PVC	F 23+95.00	772.78						
	POVC	F 24+00.00	772.87						
	POVC	F 24+50.00	773.65						
	POVC	F 25+00.00	774.21						
	POVC	F 25+50.00	774.57						
	POVC	F 26+00.00	774.73						
	VHIGH	F 26+12.03	774.73						
	POVC	F 26+50.00	774.67						
	PVI	F 26+80.00	777.90						
	POVC	F 27+00.00	774.41						
	POVC	F 27+50.00	773.95						
	POVC	F 28+00.00	773.27						
	POVC	F 28+50.00	772.39						
	POVC	F 29+00.00	771.30						
Linear	POVC	F 29+50.00	770.01	35	-2.92%				
	PVT	F 29+65.00	769.58						
	PVT	F 29+65.00	769.58						
	PVC	F 30+00.00	768.56						
	PVC	F 30+00.00	768.56						
Symmetrical Parabola	POVC	F 30+50.00	767.17	160	-2.92%	-1.94%	163	0.20	
	PVI	F 30+80.00	766.22						
	POVC	F 31+00.00	765.94						
	POVC	F 31+50.00	764.86						
	PVCC	F 31+60.00	764.66						

VERTICAL ALIGNMENT SHEET 5

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: NLL

CHECKED BY: PTS

IPARM FILE NAME: IOC224_I04

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