

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	280+90.00	978.98	395	-4.91%				
	POVT	281+00.00	978.49						
	POVT	281+50.00	976.04						
	POVT	282+00.00	973.58						
	POVT	282+50.00	971.12						
	POVT	283+00.00	968.66						
	POVT	283+50.00	966.21						
	POVT	284+00.00	963.75						
	POVT	284+50.00	961.29						
	PVC	284+85.00	959.57						
Symmetrical Parabola	PVC	284+85.00	959.57	300	-4.91%	-1.78%	96	1.18	
	POVC	285+00.00	958.85						
	POVC	285+50.00	956.60						
	POVC	286+00.00	954.61						
	PVI	286+35.00	952.20						
	POVC	286+50.00	952.88						
	POVC	287+00.00	951.42						
	POVC	287+50.00	950.22						
	PVT	287+85.00	949.53						
	PVT	287+85.00	949.53						
Linear	POVT	288+00.00	949.26	260	-1.78%				
	POVT	288+50.00	948.37						
	POVT	289+00.00	947.48						
	POVT	289+50.00	946.59						
	POVT	290+00.00	945.70						
	PVC	290+45.00	944.90						
	PVC	290+45.00	944.90						
	POVC	290+50.00	944.81						
	PVI	290+95.00	944.01						
	POVC	291+00.00	943.94						
Symmetrical Parabola	PVT	291+45.00	943.20	100	-1.78%	-1.61%	599	0.02	
	PVT	291+45.00	943.20						
	POVT	291+50.00	943.12						
	POVT	292+00.00	942.31						
	POVT	292+50.00	941.51						
	POVT	293+00.00	940.70						
	POVT	293+50.00	939.89						
	POVT	294+00.00	939.09						
	POVT	294+50.00	938.28						
	PVC	294+95.00	937.55						
Linear	PVC	294+95.00	937.55	350	-1.61%				
	POVC	295+00.00	937.47						
	POVC	295+50.00	936.73						
	POVC	296+00.00	936.10						
	PVI	296+45.00	935.13						
	POVC	296+50.00	935.58						
	POVC	297+00.00	935.18						
	POVC	297+50.00	934.88						
	PVT	297+95.00	934.71						
	PVT	297+95.00	934.71						
Symmetrical Parabola	POVT	298+00.00	934.69	300	-1.61%	-0.28%	225	0.50	
	POVT	298+50.00	934.55						
	POVT	299+00.00	934.41						
	POVT	299+50.00	934.27						
	POVT	300+00.00	934.13						
	POVT	300+50.00	933.99						
	POVT	301+00.00	933.85						
	POVT	301+50.00	933.71						
	POVT	302+00.00	933.57						
	POVT	302+50.00	933.42						
Linear	POVT	303+00.00	933.28	805	-0.28%				
	POVT	303+50.00	933.14						
	POVT	304+00.00	933.00						
	POVT	304+50.00	932.86						
	POVT	305+00.00	932.72						
	POVT	305+50.00	932.58						
	PVC	306+00.00	932.44						
	PVC	306+00.00	932.44						
	POVC	306+50.00	932.00						
	POVC	307+00.00	930.96						
Symmetrical Parabola	PVI	307+30.00	932.07	260	-0.28%	-6.48%	42	-2.01	304
	POVC	307+50.00	929.33						
	POVC	308+00.00	927.11						
	POVC	308+50.00	924.29						
	PVT	308+60.00	923.65						
	PVT	308+60.00	923.65						
	POVT	309+00.00	921.06						
	POVT	309+50.00	917.82						
	PVC	309+85.00	915.56						
	PVC	309+85.00	915.56						
Linear	POVC	310+00.00	914.61	125	-6.48%				
	PVI	310+35.00	912.32						
	POVC	310+50.00	911.85						
	PVT	310+85.00	910.28						
	PVT	310+85.00	910.28						
	POVT	311+00.00	909.67						
	POVT	311+50.00	907.63						
	PVC	311+95.00	905.80						
	PVC	311+95.00	905.80						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	311+95.00	905.80	100	-4.07%	-3.47%	165	0.08	
	POVC	312+00.00	905.60						
	PVI	312+45.00	903.77						
	POVC	312+50.00	903.65						
	PVT	312+95.00	902.03						
Linear	PVT	312+95.00	902.03	290	-3.47%				
	POVT	313+00.00	901.86						
	POVT	313+50.00	900.13						
	POVT	314+00.00	898.39						
	POVT	314+50.00	896.66						
	POVT	315+00.00	894.93						
	POVT	315+50.00	893.19						
	PVC	315+85.00	891.98						
	PVC	315+85.00	891.98						
	POVC	316+00.00	891.47						
Symmetrical Parabola	POVC	316+50.00	889.97	170	-3.47%	-1.52%	87	0.41	
	PVI	316+70.00	889.04						
	POVC	317+00.00	888.75						
	POVC	317+50.00	887.82						
	PVT	317+55.00	887.75						
Linear	PVT	317+55.00	887.75	380	-1.52%				
	POVT	318+00.00	887.06						
	POVT	318+50.00	886.31						
	POVT	319+00.00	885.55						
	POVT	319+50.00	884.79						
	POVT	320+00.00	884.03						
	POVT	320+50.00	883.27						
	POVT	321+00.00	882.52						
	PVC	321+35.00	881.98						
	PVC	321+35.00	881.98						
Symmetrical Parabola	POVC	321+50.00	881.75	230	-1.52%	-2.04%	441	-0.15	2186
	POVC	322+00.00	880.95						
	PVI	322+50.00	880.24						
	POVC	323+00.00	879.17						
	POVC	323+50.00	878.20						
Linear	PVT	323+65.00	877.90	320	-2.04%				
	PVT	323+65.00	877.90						
	POVT	324+00.00	877.18						
	POVT	324+50.00	876.17						
	POVT	325+00.00	875.15						
	POVT	325+50.00	874.13						
	POVT	326+00.00	873.11						
	POVT	326+50.00	872.09						
	PVC	326+85.00	871.38						
	PVC	326+85.00	871.38						
Symmetrical Parabola	POVC	327+00.00	871.08	150	-2.04%	-0.47%	96	0.29	
	POVC	327+50.00	870.27						
	PVI	327+60.00	869.85						
	POVC	328+00.00	869.72						
	PVT	328+35.00	869.49						
Linear	PVT	328+35.00	869.49	1110	-0.47%				
	POVT	328+50.00	869.42						
	POVT	329+00.00	869.19						
	POVT	329+50.00	868.95						
	POVT	330+00.00	868.71						
	POVT	330+50.00	868.48						
	POVT	331+00.00	868.24						
	POVT	331+50.00	868.00						
	POVT	332+00.00	867.77						
	POVT	332+50.00	867.53						
Linear	POVT	333+00.00	867.29						
	POVT	333+50.00	867.06						
	POVT	334+00.00	866.82						
	POVT	334+50.00	866.58						
	POVT	335+00.00	866.35						
	POVT	335+50.00	866.11						
	POVT	336+00.00	865.87						
	POVT	336+50.00	865.64						
	POVT	337+00.00	865.40						
	POVT	337+50.00	865.16						
Linear	POVT	338+00.00	864.93						
	POVT	338+50.00	864.69						
	POVT	339+00.00	864.45						
	PVC	339+45.00	864.24						
	PVC	339+45.00	864.24						

VERTICAL ALIGNMENT SHEET 3

PROJECT NAME:	VERSHIRE-THETFORD	PLOT DATE:	1/29/2013
PROJECT NUMBER:	STP 2911(I)	PROJECT LEADER:	PTS
DESIGNED BY:	NLL	CHECKED BY:	PTS
IPARM FILE NAME:	IOC224_I02	SHEET	I02 OF 232