

FILE NAME: U:\1762\CADD\NSTM\STP\_2506\p05b048\_Contract Plans.dgn  
 DATE/TIME: 12/20/2012  
 USER: 4866

VERTICAL ALIGNMENT TABLE										
ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
LINEAR	POB	44+88.00	1144.03	103.00	-1.2849%					50
	POT	45+00.00	1143.88							
	POT	45+50.00	1143.23							
	PVC	45+91.00	1142.71							
SYMMETRICAL PARABOLA	PVC	45+91.00	1142.71	300.00	-1.2849%	-2.5262%	242	-0.47	948	50
	POC	46+00.00	1142.59							
	POC	46+50.00	1141.88							
	POC	47+00.00	1141.06							
	PVI	47+41.00	1140.78							
	POC	47+50.00	1140.14							
	POC	48+00.00	1139.12							
	POC	48+50.00	1137.99							
	PVT	48+91.00	1136.99							
	PVT	48+91.00	1136.99							
LINEAR	POT	49+00.00	1136.76	376.00	-2.5262%					50
	POT	49+50.00	1135.50							
	POT	50+00.00	1134.24							
	POT	50+50.00	1132.97							
	POT	51+00.00	1131.71							
	POT	51+50.00	1130.45							
	POT	52+00.00	1129.19							
	POT	52+50.00	1127.92							
	PVC	52+67.00	1127.49							
	PVC	52+67.00	1127.49							
SYMMETRICAL PARABOLA	POC	53+00.00	1126.59	80.00	-2.5262%	-3.6123%	74	-0.11	1033	50
	PVI	53+07.00	1126.48							
	PVT	53+47.00	1125.04							
	PVT	53+47.00	1125.04							
LINEAR	POT	53+50.00	1124.93	186.00	-3.6123%					50
	POT	54+00.00	1123.12							
	POT	54+50.00	1121.32							
	POT	55+00.00	1119.51							
	PVC	55+33.00	1118.32							
	PVC	55+33.00	1118.32							
SYMMETRICAL PARABOLA	POC	55+50.00	1117.72	200.00	-3.6123%	-1.6464%	102	0.49	1837	50
	POC	56+00.00	1116.12							
	PVI	56+33.00	1114.71							
	POC	56+50.00	1114.76							
LINEAR	POC	57+00.00	1113.66	103.00	-1.6464%					50
	PVT	57+33.00	1113.06							
	PVT	57+33.00	1113.06							
	POT	57+50.00	1112.78							
	POT	58+00.00	1111.96							
	PVC	58+36.00	1111.36							
SYMMETRICAL PARABOLA	PVC	58+36.00	1111.36	200.00	-1.6464%	-2.8677%	164	-0.31	983	50
	POC	58+50.00	1111.13							
	POC	59+00.00	1110.19							
	PVI	59+36.00	1109.72							
	POC	59+50.00	1109.09							
	POC	60+00.00	1107.84							
LINEAR	PVT	60+36.00	1106.85	360.00	-2.8677%					50
	PVT	60+36.00	1106.85							
	POT	60+50.00	1106.45							
	POT	61+00.00	1105.01							
	POT	61+50.00	1103.58							
	POT	62+00.00	1102.15							
	POT	62+50.00	1100.71							
	POT	63+00.00	1099.28							
	POT	63+50.00	1097.85							
	PVC	63+96.00	1096.53							
SYMMETRICAL PARABOLA	PVC	63+96.00	1096.53	350.00	-2.8677%	-1.1760%	207	0.74	825	50
	POC	64+00.00	1096.41							
	POC	64+50.00	1095.05							
	POC	65+00.00	1093.81							
	POC	65+50.00	1092.68							
	PVI	65+71.00	1091.51							
	POC	66+00.00	1091.68							
	POC	66+50.00	1090.80							
	POC	67+00.00	1090.04							
	PVT	67+46.00	1089.45							

VERTICAL ALIGNMENT TABLE																		
ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED								
WARREN ROUTE 100																		
LINEAR	PVT	67+46.00	1089.45	96.00	-1.1760%					50								
	POT	67+50.00	1089.40															
	POT	68+00.00	1088.81															
	PVC	68+42.00	1088.32															
SYMMETRICAL PARABOLA	PVC	68+42.00	1088.32	150.00	-1.1760%	-1.9609%	191	-0.15	1450	50								
	POC	68+50.00	1088.23															
	POC	69+00.00	1087.55															
	PVI	69+17.00	1087.44															
	POC	69+50.00	1086.75															
	PVT	69+92.00	1085.97															
	PVT	69+92.00	1085.97															
	POT	70+00.00	1085.81															
	POT	70+50.00	1084.83															
	POT	71+00.00	1083.85															
LINEAR	POT	71+50.00	1082.87	627.50	-1.9609%					50								
	POT	72+00.00	1081.89															
	POT	72+50.00	1080.91															
	POT	73+00.00	1079.93															
	POT	73+50.00	1078.95															
	POT	74+00.00	1077.97															
	POT	74+50.00	1076.99															
	POT	75+00.00	1076.01															
	POT	75+50.00	1075.03															
	POT	76+00.00	1074.05															
	PVC	76+19.50	1073.66															
	PVC	76+19.50	1073.66															
	POC	76+50.00	1073.15															
	POC	77+00.00	1072.65															
	SYMMETRICAL PARABOLA	PVI	77+32.00								1071.46	225.00	-1.9609%	1.9456%	58	1.10	297	50
		VLOW	77+32.44								1072.56							
POC		77+50.00	1072.58															
POC		78+00.00	1072.95															
PVT		78+44.50	1073.65															
PVT		78+44.50	1073.65															
LINEAR	POT	78+50.00	1073.75	108.50	1.9456%					50								
	POT	79+00.00	1074.73															
	POT	79+50.00	1075.70															
	PVC	79+53.00	1075.76															
	PVC	79+53.00	1075.76															
	POC	80+00.00	1076.95															
SYMMETRICAL PARABOLA	POC	80+50.00	1078.84	200.00	1.9456%	7.0193%	39	1.27	213	50								
	PVI	80+53.00	1077.70															
	POC	81+00.00	1081.36															
	POC	81+50.00	1084.51															
	PVT	81+53.00	1084.72															
	PVT	81+53.00	1084.72															
LINEAR	POT	82+00.00	1088.02	210.00	7.0193%					50								
	POT	82+50.00	1091.53															
	POT	83+00.00	1095.04															
	POT	83+50.00	1098.55															
	PVC	83+63.00	1099.46															
	PVC	83+63.00	1099.46															
	POC	84+00.00	1101.95															
	POC	84+50.00	1104.97															
	POC	85+00.00	1107.59															
	POC	85+50.00	1109.81															
SYMMETRICAL PARABOLA	POC	86+00.00	1111.64	700.00	7.0193%	-4.0888%	63	-9.72	369	50								
	POC	86+50.00	1113.07															
	POC	87+00.00	1114.11															
	PVI	87+13.00	1124.03															
	POC	87+50.00	1114.74															
	POC	88+00.00	1114.99															

<b>VERTICAL ALIGNMENT TABLE SHEET #1</b>	PROJECT NAME: WARREN - WAITSFIELD
	PROJECT NUMBER: STP 2506(1)
	FILE NAME: p05b048.dgn PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p05b048vat01.i
	PLOT DATE: 12/20/2012 DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 154 OF 310