

FILE NAME: U:\1762\CADD\KSTN\STP\_2506\p05b048\_Contract\_Plan.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	PVT	135+32.00	981.65	100.00	2.1806%					50
	POT	135+50.00	982.04							
	POT	136+00.00	983.13							
	PVC	136+32.00	983.83							
SYMMETRICAL PARABOLA	PVC	136+32.00	983.83	400.00	2.1806%	-1.3800%	112	-1.78	503	50
	POC	136+50.00	984.21							
	POC	137+00.00	985.10							
	POC	137+50.00	985.78							
	POC	138+00.00	986.23							
	PVI	138+32.00	988.19							
	POC	138+50.00	986.47							
	VHIGH	138+76.97	986.50							
	POC	139+00.00	986.47							
	POC	139+50.00	986.26							
	POC	140+00.00	985.82							
	PVT	140+32.00	985.43							
LINEAR	PVT	140+32.00	985.43	143.00	-1.3800%					50
	POT	140+50.00	985.18							
	POT	141+00.00	984.49							
	POT	141+50.00	983.80							
SYMMETRICAL PARABOLA	PVC	141+75.00	983.46	300.00	-1.3800%	-0.7405%	469	0.24	1749	50
	POC	142+00.00	983.12							
	POC	142+50.00	982.48							
	POC	143+00.00	981.90							
	PVI	143+25.00	981.39							
	POC	143+50.00	981.37							
	POC	144+00.00	980.89							
	POC	144+50.00	980.47							
	PVT	144+75.00	980.27							
	PVT	144+75.00	980.27							
LINEAR	POT	145+00.00	980.09	183.00	-0.7405%					50
	POT	145+50.00	979.72							
	POT	146+00.00	979.35							
	POT	146+50.00	978.98							
SYMMETRICAL PARABOLA	PVC	146+58.00	978.92	400.00	-0.7405%	-3.2045%	162	-1.23	638	50
	PVC	146+58.00	978.92							
	POC	147+00.00	978.55							
	POC	147+50.00	977.98							
	POC	148+00.00	977.25							
	POC	148+50.00	976.36							
	PVI	148+58.00	977.44							
	POC	149+00.00	975.32							
	POC	149+50.00	974.13							
	POC	150+00.00	972.78							
LINEAR	PVT	150+58.00	971.03	142.00	-3.2045%					50
	POT	151+00.00	969.68							
	POT	151+50.00	968.08							
	PVC	152+00.00	966.48							
	PVC	152+00.00	966.48							
	POC	152+50.00	965.14							
SYMMETRICAL PARABOLA	POC	153+00.00	964.32	330.00	-3.2045%	3.6887%	48	2.84	246	50
	POC	153+50.00	964.02							
	VLOW	153+53.41	964.02							
	PVI	153+65.00	961.19							
	POC	154+00.00	964.25							
	POC	154+50.00	965.00							
	POC	155+00.00	966.27							
	PVT	155+30.00	967.28							
	PVT	155+30.00	967.28							
	POT	155+50.00	968.02							
LINEAR	POT	156+00.00	969.86	157.00	3.6887%					50
	POT	156+50.00	971.70							
	PVC	156+87.00	973.07							

VERTICAL ALIGNMENT TABLE																		
ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED								
WARREN ROUTE 100																		
SYMMETRICAL PARABOLA	PVC	156+87.00	973.07	600.00	3.6887%	-5.7531%	64	-7.08	370	50								
	POC	157+00.00	973.54															
	POC	157+50.00	975.08															
	POC	158+00.00	976.23															
	POC	158+50.00	976.99															
	POC	159+00.00	977.36															
	VHIGH	159+21.40	977.39															
	POC	159+50.00	977.33															
	PVI	159+87.00	984.14															
	POC	160+00.00	976.91															
	POC	160+50.00	976.09															
	POC	161+00.00	974.88															
	POC	161+50.00	973.28															
	POC	162+00.00	971.29															
	POC	162+50.00	968.90															
	PVT	162+87.00	966.88															
	LINEAR	PVT	162+87.00								966.88	484.00	-5.7531%					50
		POT	163+00.00								966.13							
POT		163+50.00	963.25															
POT		164+00.00	960.37															
POT		164+50.00	957.50															
POT		165+00.00	954.62															
POT		165+50.00	951.75															
POT		166+00.00	948.87															
POT		166+50.00	945.99															
POT		167+00.00	943.12															
POT		167+50.00	940.24															
PVC		167+71.00	939.03															
SYMMETRICAL PARABOLA	PVC	167+71.00	939.03	400.00	-5.7531%	0.0628%	69	2.91	325	50								
	POC	168+00.00	937.42															
	POC	168+50.00	934.94															
	POC	169+00.00	932.82															
	POC	169+50.00	931.06															
	PVI	169+71.00	927.52															
	POC	170+00.00	929.67															
	POC	170+50.00	928.64															
	POC	171+00.00	927.97															
	POC	171+50.00	927.67															
LINEAR	VLOW	171+66.68	927.65	75.00	0.0628%													
	PVT	171+71.00	927.65															
	POT	172+00.00	927.67															
	PVC	172+46.00	927.70															
SYMMETRICAL PARABOLA	PVC	172+46.00	927.70	250.00	0.0628%	1.2404%	212	0.37	844	50								
	POC	172+50.00	927.70															
	POC	173+00.00	927.80															
	POC	173+50.00	928.02															
	PVI	173+71.00	927.78															
	POC	174+00.00	928.35															
LINEAR	POC	174+50.00	928.81	295.50	1.2404%					50								
	PVT	174+96.00	929.33															
	PVT	174+96.00	929.33															
	POT	175+00.00	929.38															
	POT	175+50.00	930.00															
	POT	176+00.00	930.62															
	POT	176+50.00	931.24															
	POT	177+00.00	931.86															
	POT	177+50.00	932.48															
	PVC	177+91.00	932.99															

<b>VERTICAL ALIGNMENT TABLE SHEET #3</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: p05b048va+03.i
	PLOT DATE: 12/20/2012 DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 156 OF 310