

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Linear	PVT	187+80.00	1223.53	280	-3.7460%				
	POVT	188+00.00	1222.79						
	POVT	188+50.00	1220.91						
	POVT	189+00.00	1219.04						
	POVT	189+50.00	1217.17						
	POVT	190+00.00	1215.29						
	POVT	190+50.00	1213.42						
Element: Symmetrical Parabola	PVC	190+60.00	1213.05	200	-3.7460%	-2.0920%	120.91	0.41	
	POVC	191+00.00	1211.61						
	POVC	191+50.00	1210.01						
	PVI	191+60.00	1209.3						
	POVC	192+00.00	1208.61						
	POVC	192+50.00	1207.42						
	PVT	192+60.00	1207.21						
Element: Linear	PVT	192+60.00	1207.21	285	-2.0920%				
	POVT	193+00.00	1206.37						
	POVT	193+50.00	1205.33						
	POVT	194+00.00	1204.28						
	POVT	194+50.00	1203.23						
	POVT	195+00.00	1202.19						
	PVC	195+45.00	1201.25						
Element: Symmetrical Parabola	PVC	195+45.00	1201.25	100	-2.0920%	-1.9530%	719.59	0.02	
	POVC	195+50.00	1201.14						
	PVI	195+95.00	1200.2						
	POVC	196+00.00	1200.12						
	PVRC	196+45.00	1199.22						
Element: Symmetrical Parabola	PVRC	196+45.00	1199.22	110	-1.9530%	-2.5001%	201.06	-0.08	2027.47
	POVC	196+50.00	1199.13						
	PVI	197+00.00	1198.15						
	POVC	197+50.00	1196.9						
	PVRC	197+55.00	1196.77						
Element: Symmetrical Parabola	PVRC	197+55.00	1196.77	310	-2.5001%	-1.3058%	259.56	0.46	
	POVC	198+00.00	1195.69						
	POVC	198+50.00	1194.57						
	POVC	199+00.00	1193.55						
	PVI	199+10.00	1192.9						
	POVC	199+50.00	1192.63						
	POVC	200+00.00	1191.81						
	POVC	200+50.00	1191.08						
	PVCC	200+65.00	1190.88						
Element: Symmetrical Parabola	PVCC	200+65.00	1190.88	180	-1.3058%	-0.4139%	201.82	0.2	
	POVC	201+00.00	1190.45						
	POVC	201+50.00	1189.94						
	PVI	201+55.00	1189.7						
	POVC	202+00.00	1189.56						
Element: Linear	PVT	202+45.00	1189.33	160	-0.4139%				
	PVT	202+45.00	1189.33						
	POVT	202+50.00	1189.31						
	POVT	203+00.00	1189.1						
	POVT	203+50.00	1188.89						
	POVT	204+00.00	1188.69						
	PVC	204+05.00	1188.67						
Element: Symmetrical Parabola	PVC	204+05.00	1188.67	200	-0.4139%	4.9684%	37.16	1.35	
	VLOW	204+20.38	1188.63						
	POVC	204+50.00	1188.75						
	POVC	205+00.00	1189.49						
	PVI	205+05.00	1188.25						
	POVC	205+50.00	1190.89						
	POVC	206+00.00	1192.97						
	PVT	206+05.00	1193.22						
Element: Linear	PVT	206+05.00	1193.22	155	4.9684%				
	POVT	206+50.00	1195.46						
	POVT	207+00.00	1197.94						
	POVT	207+50.00	1200.42						
	PVC	207+60.00	1200.92						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Symmetrical Parabola	PVC	207+60.00	1200.92	470	4.9684%	-4.8743%	47.75	-5.78	321.03
	POVC	208+00.00	1202.74						
	POVC	208+50.00	1204.54						
	POVC	209+00.00	1205.82						
	POVC	209+50.00	1206.58						
	PVI	209+95.00	1212.6						
	VHIGH	209+97.25	1206.81						
	POVC	210+00.00	1206.81						
	POVC	210+50.00	1206.52						
	POVC	211+00.00	1205.71						
	POVC	211+50.00	1204.37						
	POVC	212+00.00	1202.51						
	Element: Linear	PVT	212+30.00						
POVT		212+50.00	1200.17						
POVT		213+00.00	1197.73						
POVT		213+50.00	1195.29						
PVC		213+60.00	1194.81						
Element: Symmetrical Parabola	PVC	213+60.00	1194.81	150	-4.8743%	-0.5213%	34.46	0.82	
	POVC	214+00.00	1193.09						
	PVI	214+35.00	1191.15						
	POVC	214+50.00	1191.59						
	POVC	215+00.00	1190.83						
Element: Symmetrical Parabola	PVRC	215+10.00	1190.76	215	-0.5213%	-7.6781%	30.04	-1.92	258.29
	POVC	215+50.00	1190.28						
	POVC	216+00.00	1188.94						
	PVI	216+17.50	1190.2						
	POVC	216+50.00	1186.77						
	POVC	217+00.00	1183.76						
	PVT	217+25.00	1181.94						
	PVT	217+25.00	1181.94						
Element: Linear	POVT	217+50.00	1180.02	165	-7.6781%				
	POVT	218+00.00	1176.19						
	POVT	218+50.00	1172.35						
	PVC	218+90.00	1169.28						
	PVC	218+90.00	1169.28						
Element: Symmetrical Parabola	PVC	218+90.00	1169.28	200	-7.6781%	-9.0088%	150.3	-0.33	910.96
	POVC	219+00.00	1168.5						
	POVC	219+50.00	1164.55						
	PVI	219+90.00	1161.6						
	POVC	220+00.00	1160.43						
	POVC	220+50.00	1156.14						
	PVT	220+90.00	1152.59						
Element: Linear	PVT	220+90.00	1152.59	60	-9.0088%				
	POVT	221+00.00	1151.69						
	PVC	221+50.00	1147.18						
Element: Symmetrical Parabola	PVC	221+50.00	1147.18	750	-9.0088%	-0.4019%	87.14	8.07	
	POVC	222+00.00	1142.82						
	POVC	222+50.00	1138.75						
	POVC	223+00.00	1134.96						
	POVC	223+50.00	1131.46						
	POVC	224+00.00	1128.25						
	POVC	224+50.00	1125.32						
	POVC	225+00.00	1122.68						
	PVI	225+25.00	1113.4						
	POVC	225+50.00	1120.33						
	POVC	226+00.00	1118.26						
	POVC	226+50.00	1116.48						
	POVC	227+00.00	1114.99						
	POVC	227+50.00	1113.79						
	POVC	228+00.00	1112.87						
	POVC	228+50.00	1112.24						
Element: Linear	PVT	229+00.00	1111.89	100	-0.4019%				
	POVT	229+50.00	1111.69						
	PVC	230+00.00	1111.49						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Symmetrical Parabola	PVC	230+00.00	1111.49	120	-0.4019%	0.9999%	85.6	0.21	
	VLOW	230+34.41	1111.42						
	POVC	230+50.00	1111.44						
	PVI	230+60.00	1111.25						
	POVC	231+00.00	1111.67						
	PVT	231+20.00	1111.85						
	PVT	231+20.00	1111.85						
Element: Linear	POVT	231+50.00	1112.15	140	0.9999%				
	POVT	232+00.00	1112.65						
	POVT	232+50.00	1113.15						
	PVC	232+60.00	1113.25						
	PVC	232+60.00	1113.25						
Element: Symmetrical Parabola	PVC	232+60.00	1113.25	330	0.9999%	-5.6747%	49.44	-2.75	326.66
	POVC	233+00.00	1113.49						
	VHIGH	233+09.44	1113.5						
	POVC	233+50.00	1113.33						
	POVC	234+00.00	1112.67						
	PVI	234+25.00	1114.9						
	POVC	234+50.00	1111.5						
	POVC	235+00.00	1109.82						
	POVC	235+50.00	1107.64						
	PVRC	235+90.00	1105.54						
	PVRC	235+90.00	1105.54						
Element: Symmetrical Parabola	POVC	236+00.00	1104.97	500	-5.6747%	-1.7471%	127.31	2.45	
	POVC	236+50.00	1102.27						
	POVC	237+00.00	1099.77						
	POVC	237+50.00	1097.46						
	POVC	238+00.00	1095.35						
	PVI	238+40.00	1091.35						
	POVC	238+50.00	1093.44						
	POVC	239+00.00	1091.72						
	POVC	239+50.00	1090.2						
	POVC	240+00.00	1088.87						
	POVC	240+50.00	1087.74						
	PVT	240+90.00	1086.98						
	PVT	240+90.00	1086.98						
Element: Linear	POVT	241+00.00	1086.81	135	-1.7471%				
	POVT	241+50.00	1085.93						
	POVT	242+00.00	1085.06						
	PVC	242+25.00	1084.62						
	PVC	242+25.00	1084.62						
Element: Symmetrical Parabola	PVC	242+25.00	1084.62	100	-1.7471%	-2.1333%	258.93	-0.05	2844.23
	POVC	242+50.00	1084.17						
	PVI	242+75.00	1083.75						
	POVC	243+00.00	1083.2						
Element: Linear	PVT	243+25.00	1082.68	125	-2.1333%				
	PVT	243+25.00	1082.68						
	POVT	243+50.00	1082.15						
	POVT	244+00.00	1081.08						
	PVC	244+50.00	1080.02						
Element: Symmetrical Parabola	PVC	244+50.00	1080.02	100	-2.1333%	1.6867%	223.87	0.06	
	PVI	245+00.00	1078.95						
	PVT	245+50.00	1078.11						
Element: Linear	PVT	245+50.00	1078.11	90	1.6867%				
	POVT	246+00.00	1077.26						
	PVC	246+40.00	1076.59						
	PVC	246+40.00	1076.59						
Element: Symmetrical Parabola	PVC	246+40.00	1076.59	550	1.6867%	1.0888%	198.17	1.91	
	VLOW	249+74.24	1073.77						
	POVC	246+50.00	1076.42						
	POVC	247+00.00	1075.67						
	POVC	247+50.00	1075.04						
	POVC	248+00.00	1074.54						
	POVC	248+50.00	1074.16						
	POVC	249+00.00	1073.91						
	PVI	249+15.00	1071.95						
	POVC	249+50.00	1073.78						
	POVC	250+00.00	1073.79						
	POVC	250+50.00	1073.91						
	POVC	251+00.00	1074.17						
	POVC	251+50.00	1074.55						
	PVT	251+90.00	1074.94						

DATUM  
 VERTICAL NAVD 88  
 HORIZONTAL NAD 83 CORS  
 ADJUSTMENT COMPASS

PVC - POINT OF VERTICAL CURVATURE  
 PVT - POINT OF VERTICAL TANGENCY  
 PVI - POINT OF VERTICAL INTERSECTION

POVT - POINT ON VERTICAL TANGENT  
 POVC - POINT ON VERTICAL CURVE

PROJECT NAME: HANCOCK  
 PROJECT NUMBER: STP 2923 (1)  
 FILE NAME: z10c252alignables.dgn  
 PROJECT LEADER: C. LATHROP  
 DESIGNED BY: B. MARTIN  
 VERTICAL ALIGNMENT SHEET 3  
 PLOT DATE: 3/18/2015  
 DRAWN BY: J. GOODALL  
 CHECKED BY: C. LATHROP  
 SHEET 106 OF 207