

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Linear	PVT	322+15.00	978.48	145	-0.3158%				
	POVT	322+50.00	978.37						
	POVT	323+00.00	978.21						
	POVT	323+50.00	978.05						
	PVC	323+60.00	978.02						
Element: Symmetrical Parabola	PVC	323+60.00	978.02	170	-0.3158%	1.1288%	117.68	0.31	
	VLOW	323+97.16	977.96						
	POVC	324+00.00	977.96						
	PVI	324+45.00	977.75						
	POVC	324+50.00	978.08						
	POVC	325+00.00	978.41						
Element: Symmetrical Parabola	PVRC	325+30.00	978.71	140	1.1288%	-0.0942%	114.48	-0.21	952.4
	POVC	325+50.00	978.92						
	PVI	326+00.00	979.5						
	POVC	326+50.00	979.44						
	VHIGH	326+59.22	979.44						
	PVT	326+70.00	979.43						
Element: Linear	PVT	326+70.00	979.43	145	-0.0942%				
	POVT	327+00.00	979.41						
	POVT	327+50.00	979.36						
	POVT	328+00.00	979.31						
	PVC	328+15.00	979.3						
Element: Symmetrical Parabola	PVC	328+15.00	979.3	100	-0.0942%	1.2614%	73.77	0.17	
	VLOW	328+21.95	979.29						
	POVC	328+50.00	979.35						
	PVI	328+65.00	979.25						
	POVC	329+00.00	979.71						
	PVT	329+15.00	979.88						
Element: Linear	PVT	329+15.00	979.88	300	1.2614%				
	POVT	329+50.00	980.32						
	POVT	330+00.00	980.95						
	POVT	330+50.00	981.58						
	POVT	331+00.00	982.21						
	POVT	331+50.00	982.85						
Element: Symmetrical Parabola	PVC	332+15.00	983.67	330	1.2614%	-5.8924%	46.13	-2.95	315.53
	POVC	332+50.00	983.97						
	VHIGH	332+73.19	984.03						
	POVC	333+00.00	983.95						
	POVC	333+50.00	983.39						
	PVI	333+80.00	985.75						
	POVC	334+00.00	982.29						
	POVC	334+50.00	980.64						
Element: Linear	PVT	335+45.00	976.02	120	-5.8924%				
	POVT	335+50.00	975.73						
	POVT	336+00.00	972.78						
	POVT	336+50.00	969.84						
	PVC	336+65.00	968.95						
	PVC	336+65.00	968.95						
Element: Symmetrical Parabola	PVC	336+65.00	968.95	280	-5.8924%	-0.9550%	56.71	1.73	
	POVC	337+00.00	967						
	POVC	337+50.00	964.58						
	POVC	338+00.00	962.61						
	PVI	338+05.00	960.7						
	POVC	338+50.00	961.07						
	POVC	339+00.00	959.98						
	PVT	339+45.00	959.37						
Element: Linear	PVT	339+45.00	959.37	135	-0.9550%				
	POVT	339+50.00	959.32						
	POVT	340+00.00	958.84						
	POVT	340+50.00	958.36						
	PVC	340+80.00	958.08						
Element: Symmetrical Parabola	PVC	340+80.00	958.08	100	-0.9550%	-1.4694%	194.4	-0.06	2147.91
	POVC	341+00.00	957.88						
	PVI	341+30.00	957.6						
	POVC	341+50.00	957.28						
	PVT	341+80.00	956.87						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Linear	PVT	341+80.00	956.87	145	-1.4694%				
	POVT	342+00.00	956.57						
	POVT	342+50.00	955.84						
	POVT	343+00.00	955.1						
	PVC	343+25.00	954.73						
	PVC	343+25.00	954.73						
Element: Symmetrical Parabola	PVC	343+25.00	954.73	100	-1.4694%	-0.6604%	123.61	0.1	
	POVC	343+50.00	954.39						
	POVC	343+50.00	954.39						
	PVI	343+75.00	954						
	POVC	344+00.00	953.86						
	PVRC	344+25.00	953.67						
	PVRC	344+25.00	953.67						
	POVC	344+50.00	953.5						
Element: Symmetrical Parabola	POVC	345+00.00	953.1	430	-0.6604%	-1.7332%	400.8	-0.58	1220.86
	POVC	345+50.00	952.65						
	POVC	346+00.00	952.13						
	PVI	346+40.00	952.25						
	POVC	346+50.00	951.55						
	POVC	347+00.00	950.91						
	POVC	347+50.00	950.21						
	POVC	348+00.00	949.44						
	POVC	348+50.00	948.61						
	PVRC	348+55.00	948.52						
	PVRC	348+55.00	948.52						
	POVC	349+00.00	947.77						
Element: Symmetrical Parabola	POVC	349+50.00	947	320	-1.7332%	-0.8274%	353.28	0.36	
	POVC	350+00.00	946.31						
	PVI	350+15.00	945.75						
	POVC	350+50.00	945.68						
	POVC	351+00.00	945.13						
	POVC	351+50.00	944.64						
	PVT	351+75.00	944.43						
	PVT	351+75.00	944.43						
	POVT	352+00.00	944.22						
	POVT	352+50.00	943.81						
	POVT	353+00.00	943.39						
	POVT	353+50.00	942.98						
Element: Linear	POVT	354+00.00	942.56	385	-0.8274%				
	POVT	354+50.00	942.15						
	POVT	355+00.00	941.74						
	POVT	355+50.00	941.32						
	PVC	355+60.00	941.24						
	PVC	355+60.00	941.24						
	POVC	356+00.00	940.87						
	POVC	356+50.00	940.31						
	POVC	357+00.00	939.64						
	PVI	357+10.00	940						
	POVC	357+50.00	938.85						
	POVC	358+00.00	937.95						
Element: Linear	POVC	358+50.00	936.94	115	-2.1817%				
	PVT	358+60.00	936.73						
	POVT	359+00.00	935.85						
	POVT	359+50.00	934.76						
	PVC	359+75.00	934.22						
	PVC	359+75.00	934.22						
Element: Symmetrical Parabola	PVC	359+75.00	934.22	350	-2.1817%	-0.1481%	172.11	0.89	
	POVC	360+00.00	933.69						
	POVC	360+50.00	932.75						
	POVC	361+00.00	931.94						
	PVI	361+50.00	930.4						
	POVC	362+00.00	930.78						
	POVC	362+50.00	930.42						
	POVC	363+00.00	930.2						
Element: Symmetrical Parabola	PVRC	363+25.00	930.14	190	-0.1481%	-1.6666%	125.12	-0.36	805.68
	PVRC	363+25.00	930.14						
	POVC	363+50.00	930.08						
	POVC	364+00.00	929.8						
	PVI	364+20.00	930						
	POVC	364+50.00	929.33						
	POVC	365+00.00	928.66						
	PVT	365+15.00	928.42						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Linear	PVT	365+15.00	928.42	130	-1.6666%				
	POVT	365+50.00	927.83						
	POVT	366+00.00	927						
	PVC	366+45.00	926.25						
	PVC	366+45.00	926.25						
Element: Symmetrical Parabola	POVC	366+50.00	926.17	270	-1.6666%	0.5302%	122.91	0.74	
	POVC	367+00.00	925.46						
	POVC	367+50.00	924.95						
	PVI	367+80.00	924						
	POVC	368+00.00	924.64						
	VLOW	368+49.84	924.54						
	POVC	368+50.00	924.54						
	POVC	369+00.00	924.65						
	PVT	369+15.00	924.72						
	PVT	369+15.00	924.72						
Element: Linear	POVT	369+50.00	924.9	60	0.5302%				
	PVC	369+75.00	925.03						
	PVC	369+75.00	925.03						
Element: Symmetrical Parabola	POVC	370+00.00	925.14	270	0.5302%	-1.8970%	111.24	-0.82	579.62
	VHIGH	370+33.98	925.19						
	POVC	370+50.00	925.18						
	POVC	371+00.00	924.99						
	PVI	371+10.00	925.75						
	POVC	371+50.00	924.59						
	POVC	372+00.00	923.95						
	PVRC	372+45.00	923.19						
	PVRC	372+45.00	923.19						
	POVC	372+50.00	923.09						
Element: Symmetrical Parabola	POVC	373+00.00	922.18	410	-1.8970%	-0.8569%	395.97	0.59	1492.05
	POVC	373+50.00	921.34						
	POVC	374+00.00	920.55						
	PVI	374+50.00	919.3						
	POVC	375+00.00	919.17						
	POVC	375+50.00	918.58						
	POVC	376+00.00	918.05						
	POVC	376+50.00	917.58						
	PVRC	376+55.00	917.53						
	PVRC	376+55.00	917.53						
Element: Symmetrical Parabola	POVC	377+00.00	917.15	240	-0.8569%	-0.6732%	1231.74	0.06	4422.5
	POVC	377+50.00	916.75						
	PVI	377+75.00	916.5						
	POVC	378+00.00	916.37						
	POVC	378+50.00	916.01						
	PVRC	378+95.00	915.7						
Element: Symmetrical Parabola	PVRC	378+95.00	915.7	210	-0.6732%	-0.4651%	1041.71	0.05	3756.89
	POVC	379+00.00	915.67						
	POVC	379+50.00	915.35						
	PVI	380+00.00	915						
	POVC	380+50.00	914.78						
	POVC	381+00.00	914.53						
Element: Linear	PVRC	381+05.00	914.51	75	-0.4651%				
	POVT	381+50.00	914.3						
	PVC	381+80.00	914.16						
	PVC	381+80.00	914.16						
Element: Symmetrical Parabola	POVC	382+00.00	913.97	70	-0.4651%	-3.9282%	20.21	-0.3	346.61
	PVI	382+15.00	914						
	POE	382+50.00	912.62						

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 5
 PLOT DATE: 3/18/2015
 DRAWN BY: J. GOODALL
 CHECKED BY: C. LATHROP
 SHEET 108 OF 207