

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Linear	PVT	251+90.00	1074.94	125	1.0888%				
	POVT	252+00.00	1075.05						
	POVT	252+50.00	1075.6						
	POVT	253+00.00	1076.14						
Element: Symmetrical Parabola	PVC	253+15.00	1076.31	100	1.0888%	0.1042%	101.56	-0.12	1146
	POVC	253+50.00	1076.63						
	PVI	253+65.00	1076.85						
	POVC	254+00.00	1076.88						
	PVT	254+15.00	1076.9						
Element: Linear	PVT	254+15.00	1076.9	140	0.1042%				
	POVT	254+50.00	1076.94						
	POVT	255+00.00	1076.99						
	POVT	255+50.00	1077.04						
Element: Symmetrical Parabola	PVC	255+55.00	1077.05	100	0.1042%	-2.4119%	39.74	-0.31	478.9
	VHIGH	255+59.14	1077.05						
	POVC	256+00.00	1076.84						
	PVI	256+05.00	1077.1						
	POVC	256+50.00	1076.01						
Element: Linear	PVT	256+55.00	1075.89	215	-2.4119%				
	POVT	257+00.00	1074.81						
	POVT	257+50.00	1073.6						
	POVT	258+00.00	1072.4						
	POVT	258+50.00	1071.19						
	PVC	258+70.00	1070.71						
Element: Symmetrical Parabola	PVC	258+70.00	1070.71	150	-2.4119%	-4.9614%	58.84	-0.48	498.28
	POVC	259+00.00	1069.91						
	PVI	259+45.00	1068.9						
	POVC	259+50.00	1068.24						
	POVC	260+00.00	1066.14						
	PVT	260+20.00	1065.18						
Element: Linear	PVT	260+20.00	1065.18	60	-4.9614%				
	POVT	260+50.00	1063.69						
	PVC	260+80.00	1062.2						
Element: Symmetrical Parabola	PVC	260+80.00	1062.2	250	-4.9614%	-1.6962%	76.57	1.02	
	POVC	261+00.00	1061.24						
	POVC	261+50.00	1059.05						
	POVC	262+00.00	1057.19						
	PVI	262+05.00	1056						
	POVC	262+50.00	1055.65						
	POVC	263+00.00	1054.45						
Element: Linear	PVT	263+30.00	1053.88	170	-1.6962%				
	PVT	263+30.00	1053.88						
	POVT	263+50.00	1053.54						
	POVT	264+00.00	1052.69						
	POVT	264+50.00	1051.84						
Element: Symmetrical Parabola	PVC	265+00.00	1051	200	-1.6962%	-2.6374%	212.5	-0.24	1246.59
	POVC	265+00.00	1051						
	POVC	265+50.00	1050.09						
	PVI	266+00.00	1049.3						
	POVC	266+50.00	1047.92						
Element: Linear	PVT	267+00.00	1046.66	205	-2.6374%				
	POVT	267+00.00	1046.66						
	POVT	267+50.00	1045.34						
	POVT	268+00.00	1044.03						
	POVT	268+50.00	1042.71						
	POVT	269+00.00	1041.39						
Element: Symmetrical Parabola	PVC	269+05.00	1041.26	300	-2.6374%	-1.7256%	329.04	0.34	
	POVC	269+50.00	1040.1						
	POVC	270+00.00	1038.89						
	POVC	270+50.00	1037.75						
	PVI	270+55.00	1037.3						
	POVC	271+00.00	1036.69						
	POVC	271+50.00	1035.71						
	POVC	272+00.00	1034.8						
	PVT	272+05.00	1034.71						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Linear	PVT	272+05.00	1034.71	140	-1.7256%				
	POVT	272+50.00	1033.93						
	POVT	273+00.00	1033.07						
	PVC	273+45.00	1032.3						
Element: Symmetrical Parabola	PVC	273+45.00	1032.3	550	-1.7256%	-0.3672%	404.87	0.93	
	POVC	273+50.00	1032.21						
	POVC	274+00.00	1031.38						
	POVC	274+50.00	1030.62						
	POVC	275+00.00	1029.92						
	POVC	275+50.00	1029.28						
	POVC	276+00.00	1028.7						
	PVI	276+20.00	1027.55						
	POVC	276+50.00	1028.18						
	POVC	277+00.00	1027.73						
	POVC	277+50.00	1027.33						
Element: Symmetrical Parabola	PVC	278+00.00	1027	240	-0.3672%	-2.3331%	122.08	-0.59	668.93
	POVC	278+50.00	1026.73						
	PVRC	278+95.00	1026.54						
	POVC	279+00.00	1026.52						
	POVC	279+50.00	1026.21						
	POVC	280+00.00	1025.7						
	PVI	280+15.00	1026.1						
	POVC	280+50.00	1024.99						
	POVC	281+00.00	1024.07						
	PVRC	281+35.00	1023.3						
	PVRC	281+35.00	1023.3						
Element: Symmetrical Parabola	PVRC	281+35.00	1023.3	300	-2.3331%	-1.0968%	242.66	0.46	
	POVC	281+50.00	1022.95						
	POVC	282+00.00	1021.87						
	POVC	282+50.00	1020.89						
	PVI	282+85.00	1019.8						
	POVC	283+00.00	1020.01						
	POVC	283+50.00	1019.24						
	POVC	284+00.00	1018.56						
	PVRC	284+35.00	1018.15						
	PVRC	284+35.00	1018.15						
	Element: Symmetrical Parabola	POVC	284+50.00						
POVC		285+00.00	1017.43						
POVC		285+50.00	1016.87						
PVI		285+95.00	1016.4						
POVC		286+00.00	1016.3						
POVC		286+50.00	1015.71						
POVC		287+00.00	1015.12						
POVC		287+50.00	1014.52						
PVT		287+55.00	1014.46						
PVT		287+55.00	1014.46						
Element: Linear		POVT	288+00.00	1013.92	1287.5	-1.2102%			
	POVT	288+50.00	1013.31						
	POVT	289+00.00	1012.71						
	POVT	289+50.00	1012.1						
	POVT	290+00.00	1011.5						
	POVT	290+50.00	1010.89						
	POVT	291+00.00	1010.29						
	POVT	291+50.00	1009.68						
	POVT	292+00.00	1009.08						
	POVT	292+50.00	1008.47						
	POVT	293+00.00	1007.87						
	POVT	293+50.00	1007.26						
	POVT	294+00.00	1006.66						
	POVT	294+50.00	1006.05						
	POVT	295+00.00	1005.45						
	POVT	295+50.00	1004.84						
	POVT	296+00.00	1004.24						
	POVT	296+50.00	1003.63						
	POVT	297+00.00	1003.03						
	POVT	297+50.00	1002.42						
	POVT	298+00.00	1001.82						
POVT	298+50.00	1001.21							
POVT	299+00.00	1000.61							
POVT	299+50.00	1000							
POVT	300+00.00	999.4							
PVC	300+42.50	998.88							

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Symmetrical Parabola	PVC	300+42.50	998.88	625	-1.2102%	-0.9888%	284.21	1.72	
	POVC	300+50.00	998.79						
	POVC	301+00.00	998.24						
	POVC	301+50.00	997.78						
	POVC	302+00.00	997.41						
	POVC	302+50.00	997.13						
	POVC	303+00.00	996.93						
	POVC	303+50.00	996.82						
	PVI	303+55.00	995.1						
	VLOW	303+86.46	996.8						
	POVC	304+00.00	996.8						
	POVC	304+50.00	996.87						
	POVC	305+00.00	997.03						
	POVC	305+50.00	997.27						
Element: Symmetrical Parabola	POVC	306+00.00	997.6	275	-0.9888%	-1.9286%	94.26	-1	507.39
	POVC	306+50.00	998.02						
	PVRC	306+67.50	998.19						
	PVRC	306+67.50	998.19						
	POVC	307+00.00	998.46						
	POVC	307+50.00	998.64						
	VHIGH	307+60.71	998.65						
	POVC	308+00.00	998.57						
	PVI	308+05.00	999.55						
	POVC	308+50.00	998.23						
	POVC	309+00.00	997.62						
	PVCC	309+42.50	996.9						
	PVCC	309+42.50	996.9						
	Element: Symmetrical Parabola	POVC	309+50.00						
POVC		310+00.00	995.62						
PVI		310+15.00	995.5						
POVC		310+50.00	994.25						
PVRC		310+87.50	993.05						
PVRC		310+87.50	993.05						
Element: Symmetrical Parabola	POVC	311+00.00	992.64	285	-3.3719%	-0.6429%	104.43	0.97	
	POVC	311+50.00	991.13						
	POVC	312+00.00	989.87						
	PVI	312+30.00	988.25						
	POVC	312+50.00	988.84						
	POVC	313+00.00	988.05						
Element: Symmetrical Parabola	POVC	313+50.00	987.5	135	-0.6429%	-1.6324%	325.15	-0.07	2666.63
	PVRC	313+72.50	987.33						
	POVC	314+00.00	987.15						
	PVI	314+40.00	986.9						
	POVC	314+50.00	986.74						
	POVC	315+00.00	986.26						
Element: Linear	PVT	315+07.50	986.19	487.5	-1.6324%				
	PVT	315+07.50	986.19						
	POVT	315+50.00	985.74						
	POVT	316+00.00	985.21						
	POVT	316+50.00	984.68						
	POVT	317+00.00	984.15						
	POVT	317+50.00	983.62						
	POVT	318+00.00	983.09						
	POVT	318+50.00	982.56						
	POVT	319+00.00	982.03						
	POVT	319+50.00	981.5						
Element: Symmetrical Parabola	PVC	319+95.00	981.03	110	-1.6324%	-1.6324%	191.55	-0.08	1934.2
	POVC	320+00.00	980.97						
	PVI	320+50.00	980.45						
	POVC	321+00.00	979.63						
	PVRC	321+05.00	979.55						
	PVRC	321+05.00	979.55						
Element: Symmetrical Parabola	POVC	321+50.00	978.93	110	-1.6324%	-0.3158%	83.55	0.18	
	PVI	321+60.00	978.65						
	POVC	322+00.00	978.54						
	PVT	322+15.00	978.48						
	PVT	322+15.00	978.48						

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 PLOT DATE: 3/18/2015
 PROJECT LEADER: C. LATHROP DRAWN BY: J. GOODALL
 DESIGNED BY: B. MARTIN CHECKED BY: C. LATHROP
 VERTICAL ALIGNMENT SHEET 4 SHEET 107 OF 207