

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD	Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD	Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD																		
Element: Symmetrical Parabola	PVC	41+25.00	1996.36	100	6.4799%	9.0369%	39.11	0.32		Element: Symmetrical Parabola	PVC	64+20.00	2100.32	800	-8.4179%	-14.8145%	125.07	-6.4	519.55	Element: Symmetrical Parabola	PVC	89+15.00	1812.69	200	-5.2941%	-9.7705%	44.68	-1.12	341.08																		
	PVI	41+75.00	1999.6								POVC	64+50.00	2097.76								POVC	89+50.00	1810.7																								
	POVC	41+50.00	1998.06								POVC	65+00.00	2093.33								POVC	90+00.00	1807.39																								
	POVC	42+00.00	2001.94								POVC	65+50.00	2088.7								POVC	90+50.00	1803.51																								
	PVCC	42+25.00	2004.12								POVC	66+00.00	2083.87								POVC	91+00.00	1799.07																								
Element: Symmetrical Parabola	PVCC	42+25.00	2004.12	170	9.0369%	11.9842%	57.68	0.63			POVC	66+50.00	2078.85								425	-9.7705%											Element: Linear	PVT	91+15.00	1797.63	425	-9.7705%									
	POVC	42+50.00	2006.43								POVC	67+00.00	2073.62																					POVT	91+50.00	1794.21											
	PVI	43+10.00	2011.8								POVC	67+50.00	2068.19																					POVT	92+00.00	1789.32											
	POVC	43+00.00	2011.38								PVI	68+20.00	2066.65																					POVT	92+50.00	1784.44											
	POVC	43+50.00	2016.77								POVC	68+50.00	2056.73																					POVT	93+00.00	1779.55											
Element: Linear	PVT	43+95.00	2021.99	105	11.9842%						POVC	69+00.00	2050.7								170	-9.7705%											Element: Symmetrical Parabola	POVC	95+40.00	1756.1							170	-9.7705%	-9.4815%	588.21	0.06
	POVT	44+00.00	2022.59								POVC	69+50.00	2044.48																					POVC	95+50.00	1755.13											
	POVT	44+50.00	2028.58								POVC	70+00.00	2038.05																					POVC	96+00.00	1750.27											
	PVC	45+00.00	2034.57								POVC	70+50.00	2031.42																					PVI	96+25.00	1747.8											
	Element: Symmetrical Parabola	PVC	45+00.00								2034.57	250	11.9842%																					7.1944%	52.19	-1.5											
POVC		45+50.00	2040.32	POVC	71+50.00	2017.57	PVCC	97+10.00	1739.74																																						
PVI		46+25.00	2049.55	PVT	72+20.00	2007.39	POVC	97+50.00	1736.03																																						
POVC		46+00.00	2045.6	POVT	72+50.00	2002.95	PVI	97+60.00	1735																																						
POVC		46+50.00	2050.39	POVT	73+00.00	1995.54	POVC	98+00.00	1731.6																																						
Element: Symmetrical Parabola	PVRC	47+50.00	2058.54	110	7.1944%	9.1878%	55.18	0.27		PVC	73+40.00	1989.61	200	-14.8145%	-9.8846%	40.57	1.23			Element: Symmetrical Parabola	PVCC	98+10.00	1730.75	340	-8.5000%	-1.3889%	47.81	3.02																			
	PVI	48+05.00	2062.5							POVC	73+50.00	1988.15									POVC	98+50.00	1727.52																								
	POVC	48+00.00	2062.37							POVC	74+00.00	1981.17									POVC	99+00.00	1723.95																								
	POVC	48+50.00	2066.64							PVI	74+40.00	1974.8									POVC	99+50.00	1720.9																								
	PVT	48+60.00	2067.55							POVC	74+50.00	1974.81									PVI	99+80.00	1716.3																								
Element: Linear	PVT	48+60.00	2067.55	677.5	9.1878%					POVC	75+00.00	1969.07	320	-9.8846%	-13.3018%	93.65	-1.37	475.8	Element: Symmetrical Parabola	POVC	100+00.00	1718.38	197.5						-1.3889%																		
	POVT	49+00.00	2071.23							PVRC	75+40.00	1964.92								POVC	100+50.00	1716.37																									
	POVT	49+50.00	2075.82							POVC	75+50.00	1963.92								POVC	101+00.00	1714.89																									
	POVT	50+00.00	2080.42							POVC	76+00.00	1958.79								PVT	101+50.00	1713.94																									
	POVT	50+50.00	2085.01							POVC	76+50.00	1953.4								POVT	101+50.00	1713.94																									
	POVT	51+00.00	2089.6							PVI	77+00.00	1949.1								POVT	102+00.00	1713.24																									
	POVT	51+50.00	2094.2							POVC	77+50.00	1941.8								POVT	102+50.00	1712.55																									
	POVT	52+00.00	2098.79							POVC	78+00.00	1935.61								POVT	103+00.00	1711.86																									
	POVT	52+50.00	2103.39							POVC	78+50.00	1929.14								PVC	103+47.50	1711.2																									
	POVT	53+00.00	2107.98							PVT	78+60.00	1927.82								POVT	103+50.00	1711.16																									
	POVT	53+50.00	2112.57							POVT	79+00.00	1922.5								POVT	104+00.00	1710.21																									
	POVT	54+00.00	2117.17							POVT	79+50.00	1915.85								POVT	104+50.00	1708.79																									
	POVT	54+50.00	2121.76							POVT	80+00.00	1909.19								POVC	105+00.00	1706.9																									
	POVT	55+00.00	2126.36							POVT	80+50.00	1902.54								POVC	105+50.00	1704.55																									
	PVC	55+37.50	2129.8							POVT	81+00.00	1895.89								POVC	106+00.00	1701.73																									
Element: Symmetrical Parabola	PVC	55+37.50	2129.8	505	9.1878%	-8.3194%	28.85	-11.05	249.51	POVT	81+50.00	1889.24	330	-13.3018%	-7.3488%	55.43	2.46		Element: Symmetrical Parabola	PVI	106+10.00	1707.55	525	-1.3889%	-11.2067%	53.47	-6.44	339.73																			
	POVC	55+50.00	2130.92							POVT	82+00.00	1882.59								POVC	106+50.00	1698.44																									
	POVC	56+00.00	2134.87							POVT	82+50.00	1875.94								POVC	107+00.00	1694.68																									
	POVC	56+50.00	2137.94							POVT	83+00.00	1869.29								POVC	107+50.00	1690.46																									
	POVC	57+00.00	2140.15							POVT	83+50.00	1862.64								POVC	108+00.00	1685.77																									
	POVC	57+50.00	2141.5							PVC	83+80.00	1858.65								POVC	108+50.00	1680.61																									
	PVI	57+90.00	2153							POVC	84+00.00	1856.02								PVT	108+72.50	1678.13																									
	POVC	58+00.00	2141.97							POVC	84+50.00	1849.78								PVT	108+72.50	1678.13																									
	VHIGH	58+02.52	2141.98							POVC	85+00.00	1843.98								POVT	109+00.00	1675.05																									
	POVC	58+50.00	2141.59							PVI	85+45.00	1836.7								POVT	109+50.00	1669.45																									
	POVC	59+00.00	2140.33							POVC	85+50.00	1838.64								POVT	110+00.00	1663.84																									
	POVC	59+50.00	2138.21							POVC	86+00.00	1833.75								POVT	110+50.00	1658.24																									
	POVC	60+00.00	2135.22							POVC	86+50.00	1829.31								POVT	111+00.00	1652.64																									
	PVCC	60+42.50	2131.99							POVC	87+00.00	1825.32								POVT	111+50.00	1647.03																									
	Element: Symmetrical Parabola	PVCC	60+42.50							2131.99	215	-8.3194%								-8.4179%	2181.93	-0.03							11059.29	PVCC	87+10.00	1824.57	100	-7.3488%	-5.2941%	48.67	0.26		Element: Linear	PVCC	108+72.50	1678.13	552.5	-11.2067%			
PVT		62+57.50	2114	POVC	87+50.00	1821.8	POVT	112+00.00	1641.43																																						
POVC		60+50.00	2131.37	PVI	87+60.00	1820.9	POVT	112+50.00	1635.83																																						
POVC		61+00.00	2127.2	POVC	88+00.00	1818.79	POVT	113+00.00	1630.22																																						
PVI		61+50.00	2123.05	PVT	88+10.00	1818.25	POVT	113+50.00	1624.62																																						
Element: Linear	POVC	62+00.00	2118.83	162.5	-8.4179%					POVC	88+10.00	1818.25	105	-5.2941%					Element: Linear	POVT	114+00.00	1619.02	162.5	-8.4179%																							
	POVC	62+50.00	2114.63							PVT	88+10.00	1818.25								POVT	114+50.00	1616.22																									
	PVT	62+57.50	2114							POVT	88+50.00	1816.14								PVC	89+15.00	1812.69																									
	POVT	63+00.00	2110.42							POVT	89+00.00	1813.49																																			
	POVT	63+50.00	2106.21																																												

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 1 SHEET 104 OF 207