Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Symmetrical Parabola	PVC	114+25.00	1616.22	450	-11.2067%	-8.8046%	187.33	1.35	
	POVC	114+50.00	1613.43						
	POVC	115+00.00	1607.96						
	POVC	115+50.00	1602.62						
	POVC	116+00.00	1597.42						
	PVI	116+50.00	1591						
	POVC	117+00.00	1587.42						
	POVC	117+50.00	1582.61						
	POVC	118+00.00	1577.94						
	POVC	118+50.00	1573.41						
	PVT	118+75.00	1571.19						
Element: Linear	PVT	118+75.00	1571.19	482.5	-8.8046%				
	POVT	119+00.00	1568.99						
	POVT	119+50.00	1564.59						
	POVT	120+00.00	1560.18						
	POVT	120+50.00	1555.78						
	POVT	121+00.00	1551.38						
	POVT	121+50.00	1546.98						
	POVT	122+00.00	1542.57						
	POVT	122+50.00	1538.17						
	POVT	123+00.00	1533.77						
	POVT	123+50.00	1529.37						
	PVC	123+57.50	1528.71						
Element: Symmetrical Parabola	PVC	123+57.50	1528.71	325	-8.8046%	-1.7356%	45.98	2.87	
	POVC	124+00.00	1525.16						
	POVC	124+50.00	1521.49						
	POVC	125+00.00	1518.37						
	PVI	125+20.00	1514.4						
	POVC	125+50.00	1515.79						
	POVC	126+00.00	1513.75						
	POVC	126+50.00	1512.26						
	PVT	126+82.50	1511.58						
Element: Linear	PVT	126+82.50	1511.58	72.5	-1.7356%				
	POVT	127+00.00	1511.28						
	POVT	127+50.00	1510.41						
	PVC	127+55.00	1510.32						
Element: Symmetrical Parabola	PVC	127+55.00	1510.32	700	-1.7356%	-10.2889%	81.84	-7.48	420.28
	POVC	128+00.00	1509.42						
	POVC	128+50.00	1508.12						
	POVC	129+00.00	1506.52						
	POVC	129+50.00	1504.61						
	POVC	130+00.00	1502.4						
	POVC	130+50.00	1499.88						
	POVC	131+00.00	1497.06						
	PVI	131+05.00	1504.25						
	POVC	131+50.00	1493.93						
	POVC	132+00.00	1490.5						
	POVC	132+50.00	1486.76						
	POVC	133+00.00	1482.72						
	POVC	133+50.00	1478.37						
	POVC	134+00.00	1473.71						
	POVC	134+50.00	1468.75						
	PVT	134+55.00	1468.24						
Element: Linear	PVT	134+55.00	1468.24	495	-10.2889%				
	POVT	135+00.00	1463.61						
	POVT	135+50.00	1458.46						
	POVT	136+00.00	1453.32						
	POVT	136+50.00	1448.17						
	POVT	137+00.00	1443.03						
	POVT	137+50.00	1437.88						
	POVT	138+00.00	1432.74						
	POVT	138+50.00	1427.59						
	POVT	139+00.00	1422.45						
	PVC	139+50.00	1417.31						
Element: Symmetrical Parabola	PVC	139+50.00	1417.31	350	-10.2889%	-4.5841%	61.35	2.5	
	POVC	140+00.00	1412.36						
	POVC	140+50.00	1407.83						
	POVC	141+00.00	1403.71						
	PVI	141+25.00	1399.3						
	POVC	141+50.00	1399.99						
	POVC	142+00.00	1396.68						
	POVC	142+50.00	1393.77						
	PVT	143+00.00	1391.28						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Linear	PVT	143+00.00	1391.28	240	-4.5841%				
	POVT	143+50.00	1388.99						
	POVT	144+00.00	1386.69						
	POVT	144+50.00	1384.4						
	POVT	145+00.00	1382.11						
	PVC	145+40.00	1380.28						
Element: Symmetrical Parabola	PVC	145+40.00	1380.28	300	-4.5841%	-6.7694%	137.28	-0.82	643.82
	POVC	145+50.00	1379.81						
	POVC	146+00.00	1377.39						
	POVC	146+50.00	1374.79						
	PVI	146+90.00	1373.4						
	POVC	147+00.00	1372.01						
	POVC	147+50.00	1369.04						
	POVC	148+00.00	1365.9						
	PVT	148+40.00	1363.25						
Element: Linear	PVT	148+40.00	1363.25	155	-6.7694%				
	POVT	148+50.00	1362.57						
	POVT	149+00.00	1359.18						
	POVT	149+50.00	1355.8						
	PVC	149+95.00	1352.75						
Element: Symmetrical Parabola	PVC	149+95.00	1352.75	300	-6.7694%	-1.3968%	55.84	2.01	
	POVC	150+00.00	1352.42						
	POVC	150+50.00	1349.3						
	POVC	151+00.00	1346.63						
	PVI	151+45.00	1342.6						
	POVC	151+50.00	1344.41						
	POVC	152+00.00	1342.64						
	POVC	152+50.00	1341.31						
	PVT	152+95.00	1340.5						
Element: Linear	PVT	152+95.00	1340.5	115	-1.3968%				
	POVT	153+00.00	1340.43						
	POVT	153+50.00	1339.74						
	POVT	154+00.00	1339.04						
	PVC	154+10.00	1338.9						
Element: Symmetrical Parabola	PVC	154+10.00	1338.9	150	-1.3968%	-3.9344%	59.11	-0.48	500.27
	POVC	154+50.00	1338.2						
	PVI	154+85.00	1337.85						
	POVC	155+00.00	1336.96						
	POVC	155+50.00	1335.28						
	PVT	155+60.00	1334.9						
Element: Linear	PVT	155+60.00	1334.9	155	-3.9344%				
	POVT	156+00.00	1333.33						
	POVT	156+50.00	1331.36						
	POVT	157+00.00	1329.39						
	PVC	157+15.00	1328.8						
Element: Symmetrical Parabola	PVC	157+15.00	1328.8	150	-3.9344%	-2.6207%	114.18	0.25	
	POVC	157+50.00	1327.48						
	PVI	157+90.00	1325.85						
	POVC	158+00.00	1325.77						
	POVC	158+50.00	1324.29						
	PVT	158+65.00	1323.88						
Element: Linear	PVT	158+65.00	1323.88	155	-2.6207%				
	POVT	159+00.00	1322.97						
	POVT	159+50.00	1321.66						
	POVT	160+00.00	1320.35						
	PVC	160+20.00	1319.82						
Element: Symmetrical Parabola	PVC	160+20.00	1319.82	200	-2.6207%	-6.6461%	49.68	-1.01	368.09
	POVC	160+50.00	1318.95						
	POVC	161+00.00	1317.08						
	PVI	161+20.00	1317.2						
	POVC	161+50.00	1314.71						
	POVC	162+00.00	1311.84						
	PVT	162+20.00	1310.56						
Element: Linear	PVT	162+20.00	1310.56	165	-6.6461%				
	POVT	162+50.00	1308.56						
	POVT	163+00.00	1305.24						
	POVT	163+50.00	1301.92						
	PVC	163+85.00	1299.59						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Element: Symmetrical Parabola	PVC	163+85.00	1299.59	400	-6.6461%	-2.4435%	95.18	2.1	
	POVC	164+00.00	1298.6						
	POVC	164+50.00	1295.49						
	POVC	165+00.00	1292.64						
	POVC	165+50.00	1290.05						
	PVI	165+85.00	1286.3						
	POVC	166+00.00	1287.73						
	POVC	166+50.00	1285.67						
	POVC	167+00.00	1283.87						
	POVC	167+50.00	1282.33						
	PVT	167+85.00	1281.41						
Element: Linear	PVT	167+85.00	1281.41	155	-2.4435%				
	POVT	168+00.00	1281.04						
	POVT	168+50.00	1279.82						
	POVT	169+00.00	1278.6						
	PVC	169+40.00	1277.62						
Element: Symmetrical Parabola	PVC	169+40.00	1277.62	100	-2.4435%	-3.2754%	120.21	-0.1	1347.21
	POVC	169+50.00	1277.37						
	PVI	169+90.00	1276.4						
	POVC	170+00.00	1276.01						
	PVT	170+40.00	1274.76						
Element: Linear	PVT	170+40.00	1274.76	595	-3.2754%				
	POVT	170+50.00	1274.44						
	POVT	171+00.00	1272.8						
	POVT	171+50.00	1271.16						
	POVT	172+00.00	1269.52						
	POVT	172+50.00	1267.88						
	POVT	173+00.00	1266.25						
	POVT	173+50.00	1264.61						
	POVT	174+00.00	1262.97						
	POVT	174+50.00	1261.33						
	POVT	175+00.00	1259.7						
	POVT	175+50.00	1258.06						
	POVT	176+00.00	1256.42						
	PVC	176+35.00	1255.27						
Element: Symmetrical Parabola	PVC	176+35.00	1255.27	200	-3.2754%	-2.4901%	254.65	0.2	
	POVC	176+50.00	1254.79						
	POVC	177+00.00	1253.23						
	PVI	177+35.00	1252						
	POVC	177+50.00	1251.77						
	POVC	178+00.00	1250.4						
	PVCC	178+35.00	1249.51						
Element: Symmetrical Parabola	PVCC	178+35.00	1249.51	330	-2.4901%	-2.3585%	2508.23	0.05	
	POVC	178+50.00	1249.14						
	POVC	179+00.00	1247.9						
	POVC	179+50.00	1246.67						
	PVI	180+00.00	1245.4						
	POVC	180+50.00	1244.25						
	POVC	181+00.00	1243.05						
	POVC	181+50.00	1241.86						
	PVT	181+65.00	1241.51						
Element: Linear	PVT	181+65.00	1241.51	115	-2.3585%				
	POVT	182+00.00	1240.68						
	POVT	182+50.00	1239.5						
	PVC	182+80.00	1238.8						
Element: Symmetrical Parabola	PVC	182+80.00	1238.8	500	-2.3585%	-3.7460%	360.35	-0.87	1027.74
	POVC	183+00.00	1238.32						
	POVC	183+50.00	1237.08						
	POVC	184+00.00	1235.77						
	POVC	184+50.00	1234.39						
	POVC	185+00.00	1232.94						
	PVI	185+30.00	1232.9						
	POVC	185+50.00	1231.42						
	POVC	186+00.00	1229.83						
	POVC	186+50.00	1228.17						
	POVC	187+00.00	1226.44						
	POVC	187+50.00	1224.65						
	PVT	187+80.00	1223.53						

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: z10c252aligntables.dgn
PROJECT LEADER: C. LATHROP
DESIGNED BY: B. MARTIN
VERTICAL ALIGNMENT SHEET 2

PLOT DATE: 3/18/2015
DRAWN BY: J. GOODALL
CHECKED BY: C. LATHROP