Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Tangent	PT	272+86.21	678910.3979	1552846.887						
	PC	276+81.53	678851.2752	1553237.767						
Arc	PC	276+81.53	678851.2752	1553237.767	20000	52.97	0°09'06.34"	Left	NC	50
	PI	277+08.02	678847.3139	1553263.956						
	CC		698626.3452	1556228.855						
	PT	277+34.51	678843.422	1553290.156						
Tangent	PT	277+34.51	678843.422	1553290.156						
	PC	280+58.74	678795.7805	1553610.872						
Arc	PC	280+58.74	678795.7805	1553610.872	10000	50.39	0°17'19.39"	Right	NC	50
	PI	280+83.94	678792.0783	1553635.795						
	CC		668904.3189	1552141.523						
	PT	281+09.13	678788.2507	1553660.698						
Tangent	PT	281+09.13	678788.2507	1553660.698						
	PC	284+35.01	678738.7441	1553982.794						
Arc	PC	284+35.01	678738.7441	1553982.794	10000	55.96	0°19'14.22"	Right	NC	50
	PI	284+62.99	678734.4936	1554010.448						
	CC		668854.8123	1552463.619						
	PT	284+90.97	678730.0884	1554038.078						
Tangent	PT	284+90.97	678730.0884	1554038.078						
	PC	286+08.18	678711.6349	1554153.821						
Arc	PC	286+08.18	678711.6349	1554153.821	2375	936.83	22°36'01.70"	Right	0.045	50
	PI	290+82.76	678636.9139	1554622.484						
	CC		676366.2568	1553779.887						
	PT	295+45.00	678387.8224	1555026.441						
Tangent	PT	295+45.00	678387.8224	1555026.441						
	PC	298+09.50	678248.9969	1555251.578						
Arc	PC	298+09.50	678248.9969	1555251.578	5000	104.49	1°11'50.35"	Left	0.024	50
	PI	298+61.74	678221.5755	1555296.048						
	CC		682504.9244	1557875.903						
	PT	299+13.98	678195.0892	1555341.081						
Tangent	PT	299+13.98	678195.0892	1555341.081						
Back		299+71.00	678166.1839	1555390.227						
Ahead		A 0+00.00								
Tangent	PC	A 0+17.04	678157.5469	1555404.913						
	PC	A 0+17.04	678157.5469	1555404.913						
Arc	PI	A 1+24.68	678102.9739	1555497.7	1666	214.99	7°23'38.13"	Left	0.06	50
	CC		679593.584	1556249.515						
	PCC	A 2+32.03	678060.7955	1555596.74						
	PCC	A 2+32.03	678060.7955	1555596.74						
Arc	PI	A 5+56.35	677933.7198	1555895.128	1555	639.47	23°33'43.69"	Left	0.06	50
	CC		679491.4594	1556206.023						
	PCC	A 8+71.50	677936.5173	1556219.436						
	PCC	A 8+71.50	677936.5173	1556219.436						
Arc	PI	A 11+12.11	677938.5927	1556460.034	1586	477.57	17°15'09.88"	Left	0.06	50
	CC		679522.4583	1556205.755						
	PCC	A 13+49.08	678011.933	1556689.19						
	PCC	A 13+49.08	678011.933	1556689.19						
Arc	PI	A 14+64.13	678047.0044	1556798.773	2158	229.9	6°06'14.10"	Left	0.048	50
	CC		680067.2379	1556031.402						
	PT	A 15+78.98	678093.5291	1556904.006						
Tangent	PT	A 15+78.98	678093.5291	1556904.006						
	PC	A 19+52.07	678244.3926	1557245.238						
Arc	PC	A 19+52.07	678244.3926	1557245.238	10000	61.8	0°21'14.70"	Left	NC	50
	PI	A 19+82.97	678256.8871	1557273.499						
	CC		687390.4017	1553201.661						
	PT	A 20+13.87	678269.556	1557301.682						
Tangent	PT	A 20+13.87	678269.556	1557301.682						
	PC	A 20+99.67	678304.7352	1557379.941						
Arc	PC	A 20+99.67	678304.7352	1557379.941	10000	95.91	0°32'58.30"	Right	NC	50
	PI	A 21+47.63	678324.3972	1557423.681						
	CC		669183.8895	1561479.962						
	PT	A 21+95.58	678343.6388	1557467.607						
Tangent	PT	A 21+95.58	678343.6388	1557467.607						
	PC	A 24+48.96	678445.3042	1557699.698						
Arc	PC	A 24+48.96	678445.3042	1557699.698	2900	1099.11	21°42'54.89"	Right	0.038	50
	PI	A 30+05.19	678668.4826	1558209.188						
	CC		675788.9769	1558863.281						
	PT	A 35+48.07	678687.3144	1558765.097						
Tangent	PT	A 35+48.07	678687.3144	1558765.097						
	PC	A 40+10.35	678702.9655	1559227.115						
Arc	PC	A 40+10.35	678702.9655	1559227.115	10000	116.73	0°40'07.73"	Left	NC	50
	PI	A 40+68.72	678704.9416	1559285.447						
	CC		688697.2326	1558888.552						
	PT	A 41+27.08	678707.5984	1559343.752						
Tangent	PT	A 41+27.08	678707.5984	1559343.752						
	PC	A 42+17.83	678711.7294	1559434.41						
Arc	PC	A 42+17.83	678711.7294	1559434.41	5250	591.77	6°27'29.60"	Left	0.023	50
	PI	A 45+14.03	678725.2123	1559730.299						
	CC		683956.2874	1559195.43						
	PT	A 48+09.60	678771.8908	1560022.795						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Tangent	PT	A 48+09.60	678771.8908	1560022.795						
	PC	A 51+52.18	678825.8791	1560361.094						
Arc	PC	A 51+52.18	678825.8791	1560361.094	770	853	63°28'19.53"	Right	0.08	50
	PI	A 56+28.41	678900.93	1560831.374						
	CC		678065.501	1560482.441						
	PT	A 60+05.18	678513.6825	1561108.566						
Tangent	PT	A 60+05.18	678513.6825	1561108.566						
	PC	A 62+58.69	678307.5481	1561256.118						
Arc	PC	A 62+58.69	678307.5481	1561256.118	1145	217.91	10°54'14.59"	Left	0.071	50
	PI	A 63+67.97	678218.6842	1561319.727						
	CC		678973.9999	1562187.175						
	PCC	A 64+76.59	678143.4573	1561398.997						
	PCC	A 64+76.59	678143.4573	1561398.997						
Arc	PI	A 66+49.78	678024.2404	1561524.622	875	341.96	22°23'30.00"	Left	0.078	50
	CC		678778.1514	1562001.316						
	PCC	A 68+18.55	677961.8673	1561686.189						
	PCC	A 68+18.55	677961.8673	1561686.189						
Arc	PI	A 68+88.17	677936.7934	1561751.138	2395	139.2	3°19'48.70"	Left	0.044	50
	CC		680196.1534	1562548.738						
	PT	A 69+57.75	677915.5347	1561817.435						
Tangent	PT	A 69+57.75	677915.5347	1561817.435						
	PC	A 70+22.86	677895.6558	1561879.429						
Arc	PC	A 70+22.86	677895.6558	1561879.429	10000	53.59	0°18'25.47"	Left	NC	50
	PI	A 70+49.65	677887.4733	1561904.946						
	CC		687418.0723	1564932.883						
	PT	A 70+76.45	677879.4278	1561930.507						
Tangent	PT	A 70+76.45	677879.4278	1561930.507						
	PC	A 73+75.17	677789.74	1562215.448						
Arc	PC	A 73+75.17	677789.74	1562215.448	20000	81.4	0°13'59.54"	Right	NC	50
	PI	A 74+15.88	677777.5198	1562254.273						
	CC		658712.451	1556210.697						
	PT	A 74+56.58	677765.1416	1562293.047						
Tangent	PT	A 74+56.58	677765.1416	1562293.047						
	PC	A 75+22.54	677745.0809	1562355.886						
Arc	PC	A 75+22.54	677745.0809	1562355.886	1500	283.25	10°49'10.00"	Right	0.062	50
	PI	A 76+64.59	677701.8814	1562491.206						
	CC		676316.1291	1561899.71						
	PCC	A 78+05.79	677634.0483	1562616.012						
	PCC	A 78+05.79	677634.0483	1562616.012						
Arc	PI	A 79+48.55	677565.8781	1562741.438	2550	285.21	6°24'30.20"	Right	0.042	50
	CC		675393.5857	1561398.298						
	PT	A 80+91.00	677484.1345	1562858.471						
Tangent	PT	A 80+91.00	677484.1345	1562858.471						
	PC	A 85+79.30	677204.5311	1563258.783						
Arc	PC	A 85+79.30	677204.5311	1563258.783	100000	62.06	0°02'08.01"	Left	NC	50
	PI	A 86+10.33	677186.7626	1563284.222						
	CC		759186.8403	1620520.472						
	PT	A 86+41.36	677169.01	1563309.673						
Tangent	PT	A 86+41.36	677169.01	1563309.673						
	PC	A 92+77.67	676804.9719	1563831.56						
Arc	PC	A 92+77.67	676804.9719	1563831.56	10000	146.32	0°50'18.08"	Left	NC	50
	PI	A 93+50.83	676763.1156	1563891.566						
	CC		685006.7549	1569552.64						
	PT	A 94+23.99	676722.1418	1563952.177						
Tangent	PT	A 94+23.99	676722.1418	1563952.177						
	PC	A 100+83.94	676352.5379	1564498.922						
Arc	PC	A 100+83.94	676352.5379	1564498.922	10000	79.89	0°27'27.76"	Left	NC	50
	PI	A 101+23.88	676330.168	1564532.014						
	CC		684637.1511	1570099.385						
	PT	A 101+63.82	676308.0632	1564565.282						
Tangent	PT	A 101+63.82	676308.0632	1564565.282						
	PC	A 103+10.49	676226.8953	1564687.444						
Arc	PC	A 103+10.49	676226.8953	1564687.444	3250	396.39	6°59'17.02"	Left	0.034	50
	PI	A 105+08.93	676117.0773	1564852.725						
	CC		678933.8489	1566486.027						
	PT	A 107+06.88	676028.1836	1565030.139						
Tangent	PT	A 107+06.88	676028.1836	1565030.139						
	PC	A 107+63.57	676002.7875	1565080.825						
Arc	PC	A 107+63.57	676002.7875	1565080.825	10000	133.26	0°45'48.73"	Left	NC	50
	PI	A 108+30.20	675972.9387	1565140.397						
	CC		684943.296	1569560.48						
	PT	A 108+96.83	675943.8864	1565200.362						
Tangent	PT	A 108+96.83	675943.8864	1565200.362						
	PC	A 110+94.52	675857.6899	1565378.274						
Arc	PC	A 110+94.52	675857.6899	1565378.274	10000	63.83	0°21'56.49"	Left	NC	50
	PI	A 111+26.44	675843.7756	1565406.994						
	CC		684857.0995	1569738.392						
	PT	A 111+58.35	675830.0449	1565435.801						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Tangent	PT	A 111+58.35	675830.0449	1565435.801						
	PC	A 113+48.35	675748.2936	1565607.32						
Arc	PC	A 113+48.35	675748.2936	1565607.32	50000	52.29	0°03'35.72"	Left	NC	50
	PI	A 113+74.50	675737.0441	1565630.922						
	CC		720883.5667	1587120.272						
	PT	A 114+00.65	675725.8193	1565654.536						
Tangent	PT	A 114+00.65	675725.8193	1565654.536						
	PC	A 116+45.43	675620.7287	1565875.616						
Arc	PC	A 116+45.43	675620.7287	1565875.616	1300	272.74	12°01'13.88"	Left	0.067	50
	PI	A 117+82.30	675561.9681	1565999.232						
	CC		676794.8302	1566433.725						
	PCC	A 119+18.17	675530.2402	1566132.374						
	PCC	A 119+18.17	675530.2402	1566132.374						
Arc	PI	A 119+61.07	675520.2946	1566174.11	2050	85.8	2°23'52.57"	Left	0.067	50
	CC		677524.4013	1566607.581						
	PT	A 120+03.97	675512.104	1566216.226						
Tangent	PT	A 120+03.97	675512.104	1566216.226						
	PC	A 124+54.44	675426.1069	1566658.411						
Arc	PC	A 124+54.44	675426.1069	1566658.411	15000	66.99	0°15'21.18"	Right	NC	50
	PI	A 124+87.93	675419.7125	1566691.29						
	CC		660701.9801	1563794.831						
	PT	A 125+21.43	675413.1713	1566724.14						
Tangent	PT	A 125+21.43	675413.1713	1566724.14						
	PC	A 128+03.21	675358.1422	1567000.5						
Arc	PC	A 128+03.21	675358.1422	1567000.5	10000	64.26	0°22'05.48"	Left	NC	50
	PI	A 128+35.34	675351.8675	1567032.012						
	CC		685165.6031	1568953.372						
	PT	A 128+67.47	675345.7954	1567063.563						
Tangent	PT	A 128+67.47	675345.7954	1567063.563						
	PC	A 129+24.03	675335.1067	1567119.104						
Arc	PC	A 129+24.03	675335.1067	1567119.104	10000	71.91	0°24'43.34"	Right	NC	50
	PI	A 129+59.99	675328.3115	1567154.413						
	CC		665515.2991	1565229.295						
	PT	A 129+95.95	675321.2625	1567189.673						
Tangent	PT	A 129+95.95	675321.2625	1567189.673						
	PC	A 131+99.92	675281.2756	1567389.69						
Arc	PC	A 131+99.92	675281.2756	1567389.69	1800	388.37	12°21'43.88"	Right	0.055	50
	PI	A 133+94.86	675243.0597	1567580.849						
	CC		673516.2022	1567036.822						
	PT	A 135+88.29	675164.8045	1567759.395						
Tangent	PT	A 135+88.29	675164.8045	1567759.395						
	PC	A 137+16.82	675113.2089	1567877.114						
Arc	PC	A 137+16.82	675113.2089	1567877.114	1610	200.74	7°08'38.22"	Right	0.059	50
	PI	A 138+17.32	675072.8645	1567969.162						
	CC		673638.6258	1567230.813						
	PCC	A 139+17.56	675021.3858	1568055.479						
	PCC	A 139+17.56	675021.3858	1568055.479						
Arc	PI	A 140+44.42	674956.4064	1568164.434	1160	252.72	12°28'56.41"	Right	0.071	50
	CC		674025.1115	1567461.31						
	PCC	A 141+70.28	674869.4136	1568256.768						
	PCC	A 141+70.28	674869.4136	1568256.768						
Arc	PI	A 142+60.77	674807.3592	1568322.633	1014	180.51	10°11'58.19"	Right	0.075	50
	CC		674131.3771	1567561.428						
	PT	A 143+50.79	674734.6223	1568376.468						
Tangent	PT	A 143+50.79	674734.6223	1568376.468						
	PC	A 145+76.21	674553.4323	1568510.575						
Arc	PC	A 145+76.21	674553.4323	1568510.575	1500	189.46	7°14'12.52"	Left	0.062	50
	PI	A 146+71.06	674477.1884	1568567.006						
	CC		675445.8069	1569716.256						
	PCC	A 147+65.67	674408.6606	1568632.592						
	PCC	A 147+65.67	674408.6606	1568632.592						
Arc	PI	A 148+14.34	674373.4997	1568666.244	2000	97.32	2°47'16.82"	Left	0.062	50
	CC		675791.5223	1570077.477						
	PT	A 148+62.99	674340.0172	1568701.566						
Tangent	PT	A 148+62.99	674340.0172	1568701.566						
	PC	A 150+30.09	674225.0579	1568822.841						
Arc	PC	A 150+30.09	674225.0579	1568822.841	15000	59.92	0°13'43.97"	Left	NC	50
	PI	A 150+60.05	674204.4464	1568844.585						
	CC		685111.3463	1579142.178						
	PT	A 150+90.01	674183.9219	1568866.411						
Tangent	PT	A 150+90.01	674183.9219	1568866.411						
	PC	A 153+43.47	674010.2858	1569051.058						
Arc	PC	A 153+43.47	674010.2858	1569051.058	10000	80.66	0°27'43.73"	Right	NC	50
	PI	A 153+83.80	673982.6576	1569080.439						
	CC		666725.3362	1562200.547						
	PT	A 154+24.13	673954.7934	1569109.595						

PC - POINT OF CURVATURE
PCC - POINT OF COMPOUND CURVE
PT - POINT OF TANGENCY

PI - POINT OF INTERSECTION
CC - RADIUS POINT

HORIZONTAL ALIGNMENT TABLE SHEET 2

PROJECT NAME: BOLTON-WATERBURY
PROJECT NUMBER: STP 2709(1)

FILE NAME: p07C172.dgn
PROJECT LEADER: CDL
DESIGNED BY: BMB
PLOT FILE: p07C172_116.i

PLOT DATE: 4/16/2013
DRAWN BY: JBG/BMB
CHECKED BY: CDL
SHEET 116 OF 217