

Granville

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Curve 62	PC	0+00.00	550790.52	1573290.31	3400	107.99	1°49'11"	Left	3.3%	50
	PI	0+54.00	550843.18	1573278.35						
	CC		550036.98	1569974.87						
	PT	1+07.99	550895.43	1573264.71						
Tangent	PT	1+07.99	550895.43	1573264.71						
Curve 63	PC	2+71.32	551053.47	1573223.47	2800	362.2	7°24'42"	Right	3.9%	50
	PI	4+52.68	551228.95	1573177.68						
	CC		551760.43	1575932.76						
	PT	6+33.53	551408.87	1573154.91						
Tangent	PT	6+33.53	551408.87	1573154.91						
Curve 64	PC	8+16.19	551590.09	1573131.98	1070	416.67	22°18'42"	Left	3.3%	40
	PI	10+27.20	551799.43	1573105.49						
	CC		551455.75	1572070.45						
	PCC	12+32.86	551983.04	1573001.5						
Curve 65	PI	12+32.86	551983.04	1573001.5	1425	225.79	9°04'43"	Left	4.0%	40
	CC		551280.8	1571761.54						
	PT	14+58.66	552169.89	1572875.16						
	PT	14+58.66	552169.89	1572875.16						
Tangent	PT	14+58.66	552169.89	1572875.16						
Curve 66	PC	18+76.43	552496.37	1572614.51	3000	234.36	4°28'34"	Right	2.6%	40
	PI	19+93.67	552588	1572541.36						
	CC		554368.14	1574958.97						
	PT	21+10.79	552685.05	1572475.58						
Tangent	PT	21+10.79	552685.05	1572475.58						
Curve 67	PC	24+42.40	552959.55	1572289.54	1100	235.16	12°14'56"	Right	5.6%	40
	PI	25+60.43	553057.26	1572223.32						
	CC		553576.68	1573200.12						
	PT	26+77.56	553166.79	1572179.34						
Tangent	PT	26+77.56	553166.79	1572179.34						
Curve 68	PC	27+64.84	553247.78	1572146.82	1450	485.63	19°11'22"	Right	3.0%	40
	PI	30+09.95	553475.24	1572055.48						
	CC		553788.1	1573492.39						
	PT	32+50.47	553720.08	1572043.98						
Tangent	PT	32+50.47	553720.08	1572043.98						
Curve 69	PC	36+05.71	554074.93	1572027.32	2800	325.82	6°40'02"	Left	3.9%	50
	PI	37+68.81	554237.85	1572019.67						
	CC		553943.58	1569230.4						
	PT	39+31.53	554398.77	1571993.15						
Tangent	PT	39+31.53	554398.77	1571993.15						
Curve 70	PC	41+37.97	554602.46	1571959.59	900	272.32	17°20'11"	Right	7.8%	50
	PI	42+75.18	554737.84	1571937.29						
	CC		554748.77	1572847.62						
	PT	44+10.29	554873.72	1571956.34						
Tangent	PT	44+10.29	554873.72	1571956.34						
Curve 71	PC	44+78.43	554941.21	1571965.8	3500	335.98	5°30'00"	Left	3.2%	50
	PI	46+46.55	555107.7	1571989.14						
	CC		555427.13	1568499.69						
	PT	48+14.41	555275.66	1571996.41						
Tangent	PT	48+14.41	555275.66	1571996.41						
Curve 72	PC	51+02.59	555563.57	1572008.89	1050	248.44	13°33'24"	Right	7.4%	50
	PI	52+27.40	555688.26	1572014.29						
	CC		555518.13	1573057.9						
	PT	53+51.03	555808.2	1572048.76						
Tangent	PT	53+51.03	555808.2	1572048.76						
Curve 73	PC	55+80.13	556028.38	1572112.05	3000	335.15	6°24'03"	Left	3.7%	50
	PI	57+47.88	556189.6	1572158.4						
	CC		556857.16	1569228.81						
	PCC	59+15.27	556354.98	1572186.48						
Tangent	PCC	59+15.27	556354.98	1572186.48						
Curve 74	PI	61+11.98	556548.91	1572219.4	2300	392.46	9°46'36"	Left	4.6%	50
	CC		556739.99	1569918.93						
	PT	63+07.73	556745.62	1572218.92						

Granville (Continued)

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Tangent	PT	63+07.73	556745.62	1572218.92						
	PC	65+18.87	556956.76	1572218.4						
Curve 75	PC	65+18.87	556956.76	1572218.4	1210	375.03	17°45'30"	Right	6.9%	50
	PI	67+07.90	557145.79	1572217.94						
	CC		556959.72	1573428.4						
	PT	68+93.90	557325.95	1572275.16						
Tangent	PT	68+93.90	557325.95	1572275.16						
Curve 76	PC	69+84.45	557412.25	1572302.56	2000	180.57	5°10'23"	Left	5.1%	50
	PI	70+74.79	557498.36	1572329.91						
	CC		558017.59	1570396.37						
	PT	71+65.02	557586.58	1572349.38						
Tangent	PT	71+65.02	557586.58	1572349.38						
Curve 77	PC	74+51.43	557866.27	1572411.1	820	517.03	36°07'35"	Right	7.9%	50
	PI	77+18.87	558127.42	1572468.73						
	CC		557689.55	1573211.83						
	PT	79+68.46	558304.38	1572669.25						
Tangent	PT	79+68.46	558304.38	1572669.25						
Curve 78	PC	81+42.66	558419.64	1572799.86	630	392.2	35°40'08"	Left	7.9%	45
	PI	83+45.35	558553.76	1572951.84						
	CC		558892	1572383						
	PT	85+34.86	558751.33	1572997.1						
Tangent	PT	85+34.86	558751.33	1572997.1						
	POE	88+48.34	559056.89	1573067.09						

Roxbury

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Tangent	POB	0+00.00	559056.89	1573067.09						
	PC	3+97.12	559443.98	1573155.77						
Curve 79	PC	3+97.12	559443.98	1573155.77	1320	617.83	26°49'03"	Right	6.6%	50
	PI	7+11.80	559750.72	1573226.04						
	CC		559149.23	1574442.44						
	PT	10+14.95	559992.76	1573427.13						
Tangent	PT	10+14.95	559992.76	1573427.13						
Curve 80	PC	14+49.39	560326.93	1573704.76	8000	553.31	3°57'46"	Left	2.0%	50
	PI	14+49.39	560326.93	1573704.76						
	CC		560539.81	1573881.62						
	PT	17+26.16	560539.81	1573881.62						
Tangent	PT	17+26.16	560539.81	1573881.62						
Curve 81	PC	20+02.70	560764.4	1574043.34	930	427.98	26°22'01"	Right	7.7%	50
	PI	20+02.70	560764.4	1574043.34						
	CC		565439.22	1567551.35						
	PT	25+20.46	561184.57	1574345.9						
Tangent	PT	25+20.46	561184.57	1574345.9						
Curve 82	PC	25+20.46	561184.57	1574345.9	365	120.52	18°55'08"	Right	4.6%	30
	PI	27+38.31	561361.35	1574473.2						
	CC		560641.12	1575100.6						
	PT	29+48.44	561463.2	1574665.77						
Tangent	PT	29+48.44	561463.2	1574665.77						
Curve 83	PC	33+02.05	561628.53	1574978.34	214	109.33	29°16'14"	Right	5.6%	25
	PI	33+02.05	561628.53	1574978.34						
	CC		561656.97	1575032.1						
	PT	34+22.57	561666.44	1575092.18						
Tangent	PT	34+22.57	561666.44	1575092.18						
Curve 84	PC	34+22.57	561666.44	1575092.18						
	PI	34+78.45	561675.14	1575147.38						
	CC		561455.04	1575125.49						
	PT	35+31.89	561655.73	1575199.79						
Tangent	PT	35+31.89	561655.73	1575199.79						
	POE	35+50.00	561649.45	1575216.77						

PROJECT NAME: RANDOLPH-ROXBURY  
 PROJECT NUMBER: ER STP 0187(II)  
 FILE NAME: z13c182frm.dgn PLOT DATE: 11/17/2014  
 PROJECT LEADER: M. FOISY DRAWN BY: I. MAYNARD  
 DESIGNED BY: I. MAYNARD CHECKED BY: M. FOISY  
**ALIGNMENT SHEET 3** SHEET 34 OF 545

