

GPS CONTROL POINTS

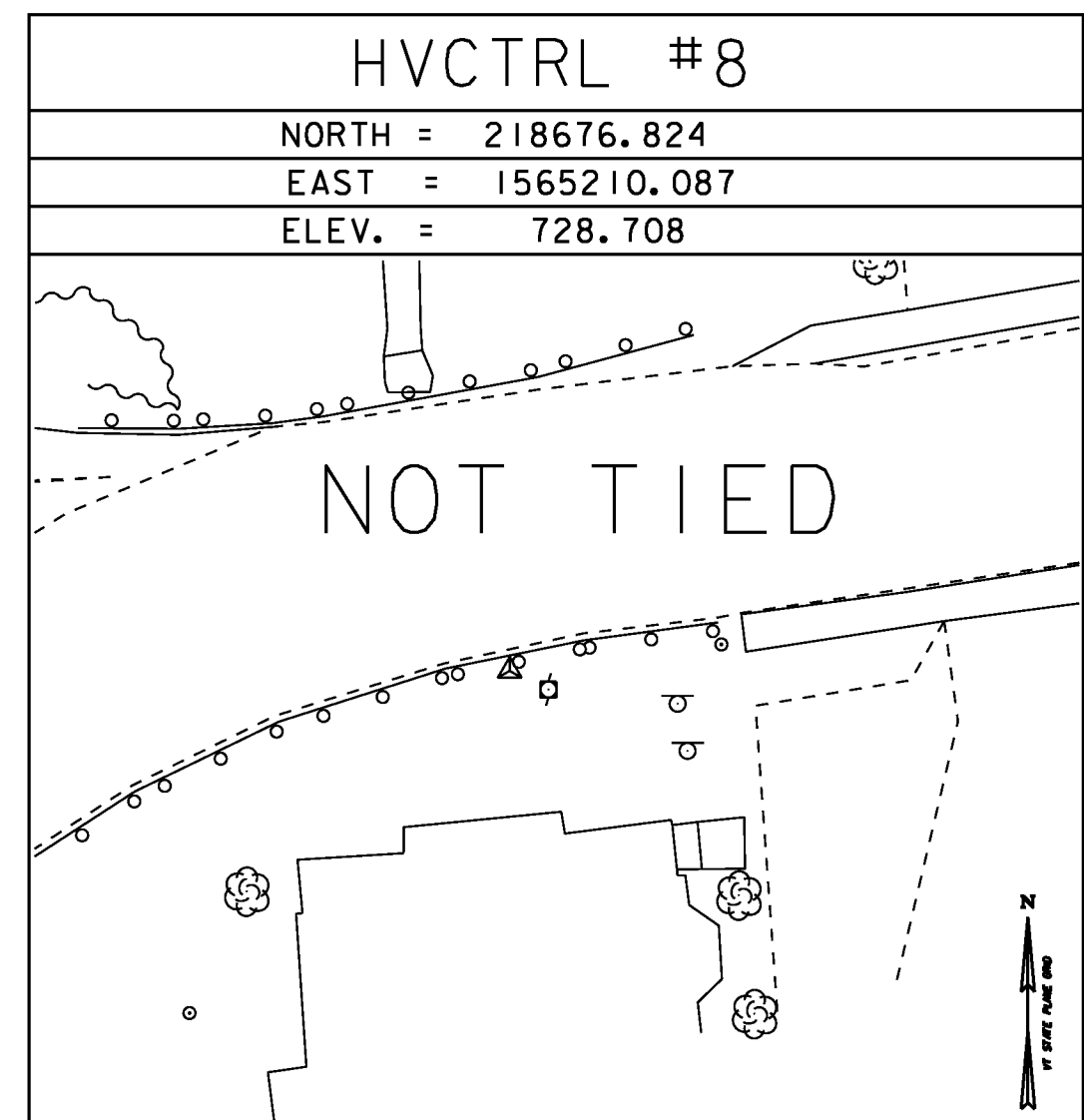
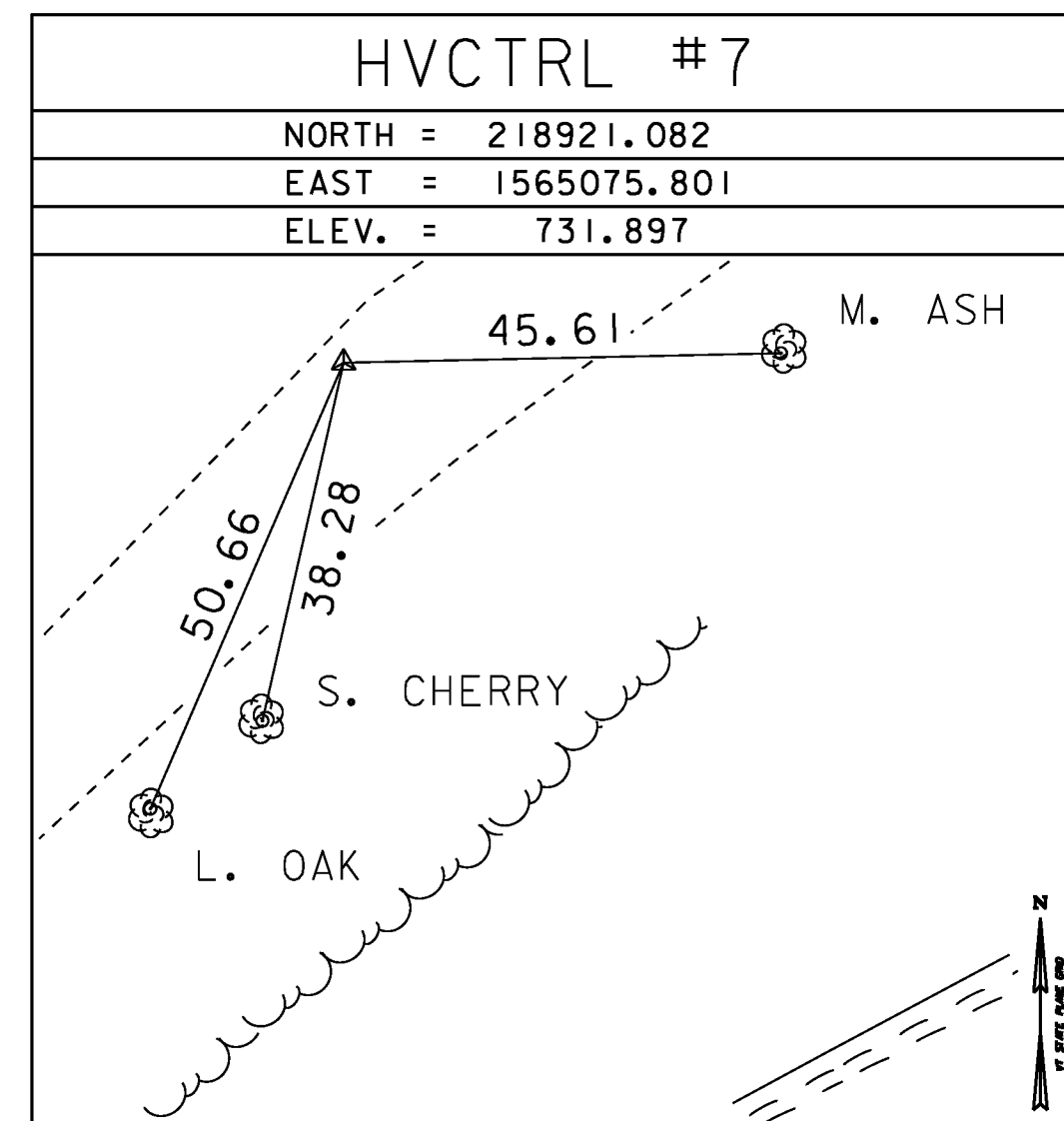
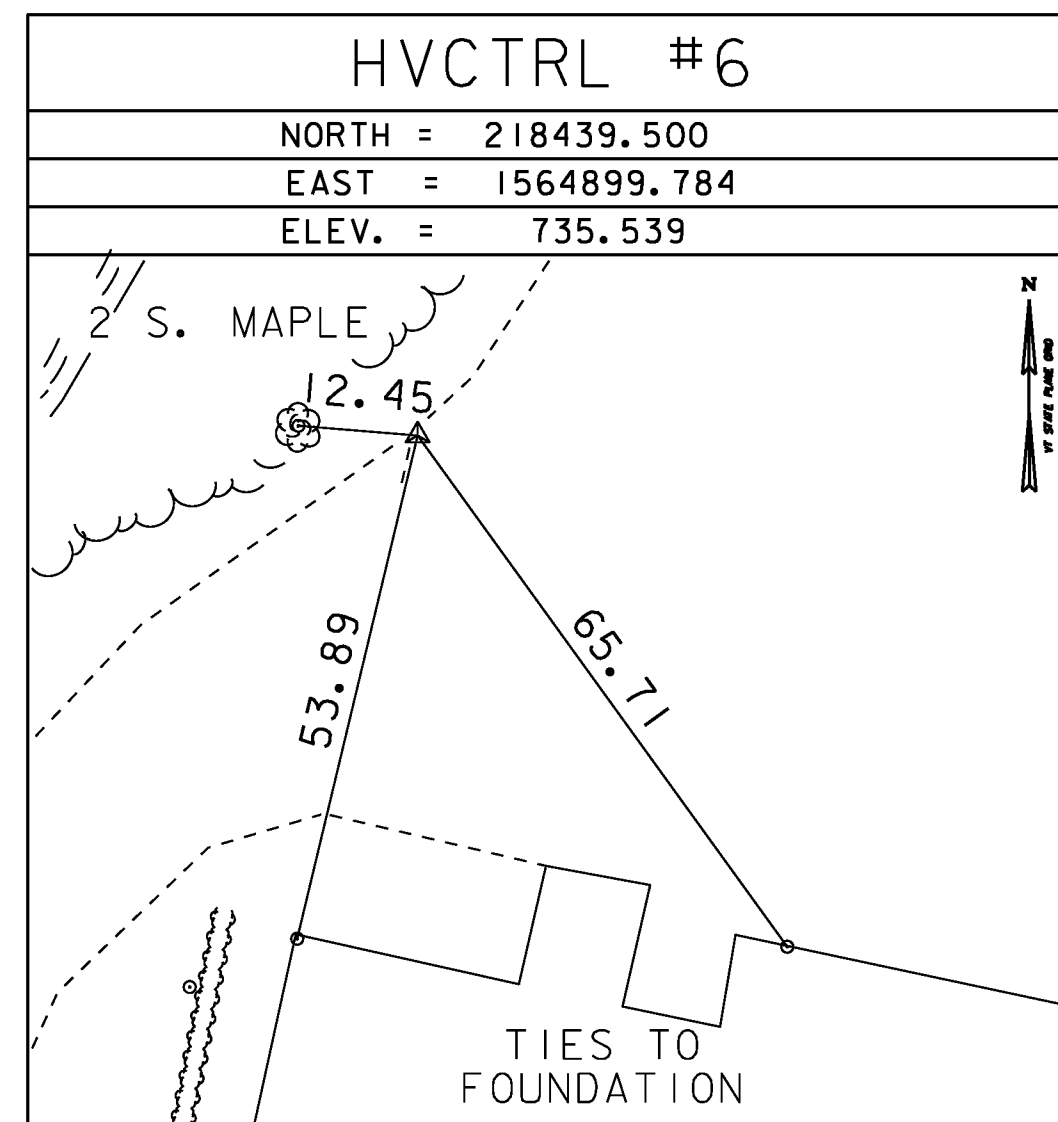
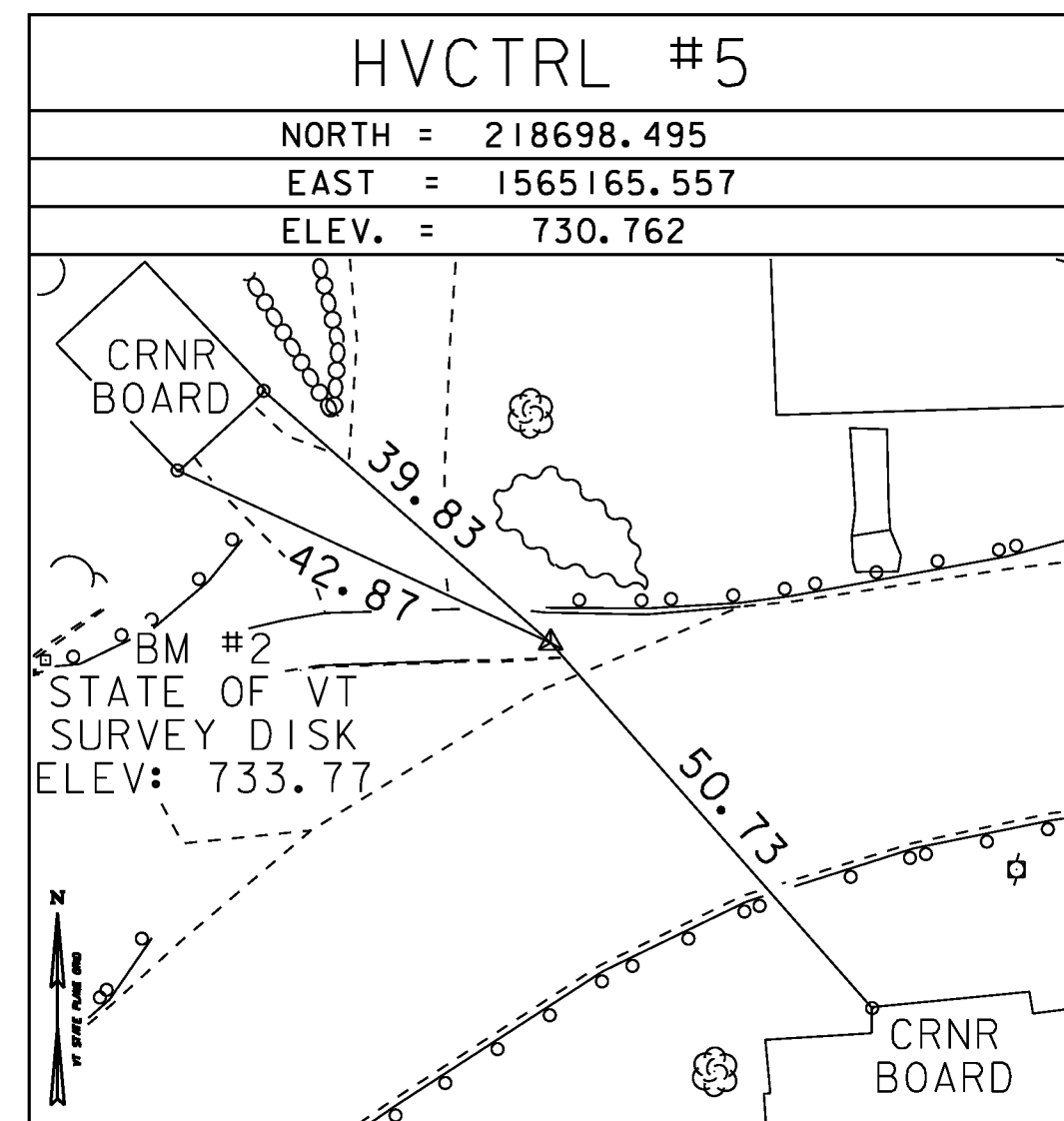
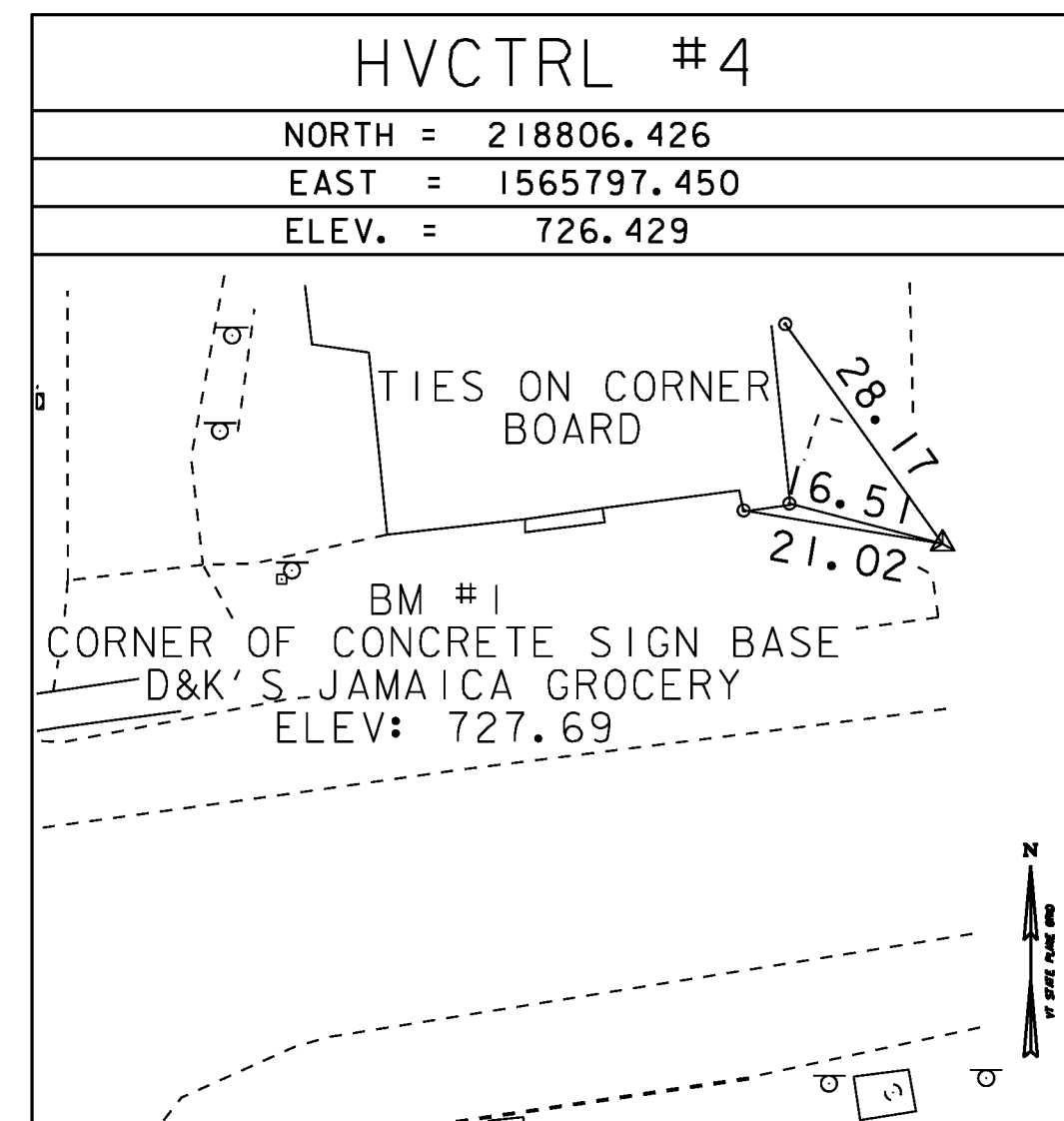
HVCTRL #1
REBAR
NORTH = 217794.372
EAST = 1568067.516
ELEV. = 666.270

GENERAL LOCATION; IT IS ABOUT 84 M (275.6 FT) SOUTH OF HOUSE NO 3327 AND THE INTERSECTION OF MEADOWS ROAD J64 AND VT ROUTE 30, SET IN THE EDGE OF A FIELD.
THE MARK IS A REBAR WITH CAP SET 2 CM (1 INCH) BELOW GROUND SURFACE.
IT IS 5.0 M (16.4 FT) WEST OF AND 0.3 M (1.0 FT) LOWER THAN THE CENTERLINE OF VT ROUTE 30, 0.5 M (1.6 FT) WEST OF THE WEST EDGE OF PAVEMENT OF VT ROUTE 30, 12.6 M (41.3 FT) NORTH OF A 50 MPH METAL SIGN POST, 24.6 M (80.7 FT) NORTH OF POLE NO 5/436/667, 23.0 M (75.5 FT) SOUTH-SOUTHEAST OF POLE 5/435/91/668.

HVCTRL #2
REBAR
NORTH = 218681.832
EAST = 1567457.472
ELEV. = 679.148

GENERAL LOCATION; IT IS ABOUT 0.1 MI (0.2 KM) NORTHWEST FROM THE INTERSECTION OF VT ROUTE 30 AND MEADOWS ROAD J64, SET ON THE SOUTHWEST EDGE OF A SMALL FIELD.
THE MARK IS A REBAR WITH CAP SET 2 CM (1 INCH) BELOW GROUND SURFACE.
IT IS 6.7 M (22.0 FT) NORTHEAST OF AND LEVEL WITH THE CENTERLINE OF VT ROUTE 30, 0.2 M (0.7 FT) NORTHEAST OF THE NORTHEAST EDGE OF PAVEMENT OF VT ROUTE 30, 20.5 M (67.3 FT) SOUTH-SOUTHEAST OF POLE NO 431-1, 20.0 M (65.6 FT) SOUTH-SOUTHEAST OF THE SOUTHEAST END POST OF A WOODEN SLATE FENCE FOR A CEMETERY, 23.0 M (75.5 FT) EAST OF AND ACROSS THE ROAD FROM POLE NO 431/672, 37.6 M (123.4 FT) NORTH-NORTHWEST OF POLE NO 32A/671S, 35.6 M (116.8 FT) NORTHWEST OF THE WEST CORNER OF A 2-BAY ATTACHED GARAGE FOR HOUSE NO 3458.

TRAVERSE TIES



*MAIN TRAVERSE COMPLETED 12/12/2011 BY R. GILMAN P.C. & C. CYR

ALIGNMENT TIES

Horizontal Alignment Name: VT30			
Element:	STATION	NORTHING	EASTING
Element: Linear	POB (3)	208+00.00	218709.3299 1565319.8020
	PC (13)	209+34.66	218688.2641 1565186.7990
	Tangent Direction:	S 80°59'59.77" W	
	Tangent Length:	134.66	
Element: Circular	PC (13)	209+34.66	218688.2641 1565186.7990
	PI (1)	211+89.44	218648.4077 1564935.1571
	CC (11)	21796.8824	1565296.3039
	PT (4)	214+23.35	218456.1237 1564768.0072
	Radius:	700.00	
	Design Speed(mph):	35.00	
	Superelevation:	2.00%	
	Delta:	39°59'59.77" Left	
	Degree of Curvature(Arc):	8°11'06.40"	
	Length:	488.69	
	Tangent:	254.78	
	Chord:	478.83	
	Middle Ordinate:	42.22	
	External:	44.52	
	Tangent Direction:	S 80°59'59.77" W	
	Radial Direction:	N 9°00'00.00" W	
	Chord Direction:	S 60°59'59.88" W	
	Radial Direction:	N 49°00'00.00" W	
	Tangent Direction:	S 41°00'00.00" W	
Element: Linear	PT (4)	214+23.35	218456.1237 1564768.0072
	POE (1)	215+00.00	218398.2770 1564717.7218
	Tangent Direction:	S 41°00'00.00" W	
	Tangent Length:	76.65	
Horizontal Alignment Name: CHANNEL			
Element:	STATION	NORTHING	EASTING
Element: Linear	POB (26)	8+00.00	218877.5750 1565077.3201
	PI (27)	10+00.00	218689.6365 1565008.9160
	Tangent Direction:	S 20°00'00.00" W	
	Tangent Length:	200.00	
Element: Linear	PI (27)	10+00.00	218689.6365 1565008.9160
	POE (23)	13+00.00	218412.4726 1565123.7211
	Tangent Direction:	S 22°30'00.00" E	
	Tangent Length:	300.00	

Horizontal Alignment Name: Water St			
Element:	STATION	NORTHING	EASTING
Element: Linear	POB (2)	30+00.00	218590.8645 1564925.9187
	PC (6)	30+14.40	218603.0798 1564918.2858
	Tangent Direction:	N 32°00'00.00" W	
	Tangent Length:	14.40	
Element: Circular	PC (6)	30+14.40	218603.0798 1564918.2858
	PI (1)	30+37.99	218623.0780 1564905.1895
	CC (10)	30+80.80	218629.5757 1564960.6882
	PT (12)	30+58.47	218645.4410 1564913.2720
	Radius:	50.00	
	Delta:	50°30'00.00" Right	
	Degree of Curvature(Arc):	114°35'29.61"	
	Length:	44.07	
	Tangent:	23.58	
	Chord:	42.66	
	Middle Ordinate:	4.78	
	External:	5.28	
	Tangent Direction:	N 32°00'00.00" W	
	Radial Direction:	N 58°00'00.00" E	
	Chord Direction:	N 6°45'00.00" W	
	Radial Direction:	S 71°30'00.00" E	
	Tangent Direction:	N 18°30'00.00" E	
Element: Linear	PT (12)	30+58.47	218645.4410 1564913.2720
	POE (9)	30+80.80	218666.6150 1564920.3568
	Tangent Direction:	N 18°30'00.00" E	
	Tangent Length:	22.33	
Element: Circular	PC (19)	31+25.35	218708.8995 1564934.5046
	PI (1)	31+49.81	218476.2327 1565489.3509
	CC (20)	31+69.81	218748.6265 1564954.7470
	PT (21)	31+69.81	218748.6265 1564954.7470
	Radius:	600.00	
	Delta:	8°30'00.00" Right	
	Degree of Curvature(Arc):	9°32'57.47"	
	Length:	89.01	
	Tangent:	44.59	
	Chord:	88.93	
	Middle Ordinate:	1.65	
	External:	1.65	
	Tangent Direction:	N 18°30'00.00" E	
	Radial Direction:	S 71°30'00.00" E	
	Chord Direction:	N 22°45'00.00" E	
	Radial Direction:	S 63°30'00.00" E	
	Tangent Direction:	N 27°00'00.00" E	
Element: Linear	PT (21)	31+69.81	218748.6265 1564954.7470
	POE (9)	32+00.00	218775.5243 1564968.4522
	Tangent Direction:	N 27°00'00.00" E	
	Tangent Length:	30.19	

Horizontal Alignment Name: BOX 2			
Element:	STATION	NORTHING	EASTING
Element: Linear	POB (11)	50+00.00	218598.1836 1565034.8937
	PC (11)	51+02.90	218540.6414 1564949.5839
	Tangent Direction:	S 56°00'00.00" W	
	Tangent Length:	102.90	
Element: Circular	PC (11)	51+02.90	218540.6414 1564949.5839
	PI (1)	52+11.40	218479.3703 1564859.6352
	CC (12)	53+17.58	218391.6406 1564796.6303
	PT (13)	53+17.58	218391.6406 1564796.6303
	Radius:	600.00	
	Delta:	20°30'00.00" Left	
	Degree of Curvature(Arc):	9°32'57.47"	
	Length:	214.68	
	Tangent:	108.50	
	Chord:	213.53	
	Middle Ordinate:	9.58	
	External:	9.73	
	Tangent Direction:	S 56°00'00.00" W	
	Radial Direction:	N 58°00'00.00" E	
	Chord Direction:	N 45°45'00.00" W	
	Radial Direction:	N 54°30'00.00" W	
	Tangent Direction:	S 35°30'00.00" W	
Element: Linear	PT (13)	53+17.58	218391.6406 1564796.6303
	POE (11)	53+23.11	218387.1343 1564793.4160
	Tangent Direction:	S 35°30'00.00" W	
	Tangent Length:	5.54	
Element: Circular	PC (14)	53+23.11	218387.1343 1564793.4160
	PI (1)	53+45.52	218329.0640 1564874.8275
	CC (15)	53+67.19	218346.8464 1564776.4213
	PT (16)	53+67.19	218346.8464 1564776.4213
	Radius:	100.00	
	Delta:	25°15'25.17" Left	
	Degree of Curvature(Arc):	57°17'44.81"	
	Length:	44.08	
	Tangent:	22.40	
	Chord:	43.73	
	Middle Ordinate:	2.42	
	External:	2.48	
	Tangent Direction:	S 35°30'00.00" W	
	Radial Direction:	N 54°30'00.00" W	
	Chord Direction:	S 22°52'17.42" W	
	Radial Direction:	N 79°45'25.17" W	
	Tangent Direction:	S 10°14'34.83" W	
Element: Linear	PT (16)	53+67.19	218346.8464 1564776.4213
	POE (17)	54+00.00	218314.5640 1564770.5878
	Tangent Direction:	S 10°14'34.83" W	
	Tangent Length:	32.81	

Horizontal Alignment Name: FIRE DRIVE			
Element:	STATION	NORTHING	EASTING
Element: Linear	POB (2)	20+00.00	218590.8645 1564925.9187
	PC (5)	20+36.29	218560.0876 1564945.1503
	Tangent Direction:	S 32°00'00.00" E	
	Tangent Length:	36.29	
Element: Circular	PC (5)	20+36.29	218560.0876 1564945.1503
	PI (1)	20+58.03	218541.6505 1564956.6710
	CC (7)	20+77.31	218520.6507 1564951.0442
	PT (8)	20+77.31	218520.6507 1564951.0442
	Radius:	50.00	
	Design Speed(mph):	25.00	
	Superelevation:	6.00%	
	Delta:	47°00'00.00" Right	
	Degree of Curvature(Arc):	114°35'29.61"	
	Length:	41.92	
	Tangent:	21.74	
	Chord:	39.87	
	Middle Ordinate:	4.15	
	External:	4.52	
	Tangent Direction:	S 32°00'00.00" E	
	Radial Direction:	S 58°00'00.00" W	
	Chord Direction:	S 8°30'00.00" E	
	Radial Direction:	N 75°00'00.00" W	
	Tangent Direction:	S 15°00'00.00" W	
Element: Linear	PT (8)	20+77.31	218520.6507 1564951.0442
	POE (1)	22+08.48	218393.9512 1564917.0951
	Tangent Direction:	S 15°00'00.00" W	
	Tangent Length:	131.17	

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (CORS)
ADJUSTMENT	COMPASS

PROJECT NAME:	JAMAICA	FILE NAME:	IIB316\Survey\IIB3161.dgn	PLOT DATE:	11-29-12
PROJECT NUMBER:	ER-BRF 015-1(23)	PROJECT LEADER:	K. HIGGINS	DRAWN BY:	S. DONOVAN
		DESIGNED BY:	J. SALVATORI	CHECKED BY:	J. SALVATORI
		TIE SHEET		SHEET	11 OF 82