

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-2513AA	RW02C-21
Location and Surveys	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY"
 WITH NAD 83 STATE PLANE GRID COORDINATES OF
 NORTHING: 684834.0870(ft) EASTING: 934095.9080(ft)
 ELEVATION: 2156.81(ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9997841
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CALVARY" TO -L- STATION IS
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

BRUCE POINT										
POT	N	E	BEARING	DIST	DELTA	D	L	T	R	
POT	677502.409	917543.101	S 60°45'53.8" E	45.66						
LINE										
PC	677480.110	917582.943	N 84°35'40.5" E	41.73	69°16'51.4"(LT)	156°05'38.9"	44.38	25.36	36.71	
CURVE										
PT	677484.041	917624.486	N 49°57'14.8" E	105.16						
LINE										
PC	677551.702	917704.991	N 87°59'16.6" E	72.45	76°04'03.7"(RT)	97°27'12.9"	78.06	45.99	58.79	
CURVE										
PT	677554.246	917777.394	S 53°58'41.5" E	22.35						
LINE										
PC	677541.102	917795.470	S 60°15'13.9" E	55.35	12°33'04.8"(LT)	22°37'51.5"	55.46	27.84	253.17	
CURVE										
PT	677513.640	917843.527	S 66°31'46.3" E	91.04						
LINE										
POT	677477.382	917927.032								

OLDHYWD POINT										
POT	N	E	BEARING	DIST	DELTA	D	L	T	R	
POT	679134.208	919179.098	S 28°16'34.1" W	314.78						
LINE										
PC	678856.989	919029.980	S 13°58'44.3" W	50.80	28°35'39.8"(LT)	55°42'04.4"	51.34	26.21	102.86	
CURVE										
PT	678807.689	919017.707	S 00°19'05.6" E	63.41						
LINE										
POT	678744.282	919018.059								

RP44A POINT													
TS	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			N 67°56'30.9" W	318.94						37°14'32.1"(RT)	325.00	221.66	112.89
ST	678490.280	917711.102	S 83°29'29.9" E	0.00									
LINE													
PC	678490.280	917711.102	N 33°07'14.2" W	86.38	19°53'47.5"(RT)	22°55'05.9"	86.82	43.85	250.00				
CURVE													
PT	678562.625	917663.904	N 05°53'21.5" E	0.00									
LINE													
PC	678562.625	917663.904	N 34°41'25.6" E	254.03	115°43'32.1"(RT)	38°11'49.9"	302.97	238.78	150.00				
CURVE													
PT	678771.501	917808.485	N 22°21'36.5" E	0.00									
LINE													
TS	678771.501	917808.485	S 63°12'49.4" E	186.63						36°17'14.4"(RT)	190.00	129.43	65.86
SPIRAL													
ST	678687.392	917975.092	S 50°35'20.4" E	373.84									
LINE													
POT	678450.049	918263.925											

RP44B POINT													
TS	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			N 88°40'58.2" E	219.91						05°34'38.9"(LT)	220.00	146.74	73.40
SC	678544.220	916944.834	N 76°52'29.3" E	318.03	16°10'45.0"(LT)	05°04'13.5"	319.09	160.61	1130.00				
CURVE													
CS	678616.439	917254.556	N 65°24'17.4" E	199.93						05°04'13.5"(LT)	200.00	133.39	66.72
SPIRAL													
ST	678699.650	917436.347	N 63°42'53.3" E	34.50									
LINE													
TS	678714.928	917467.280	N 68°03'12.6" E	199.54						13°01'18.4"(RT)	200.00	133.70	67.00
SPIRAL													
SC	678789.505	917652.361	S 83°52'01.7" E	292.25	38°47'33.3"(RT)	13°01'18.4"	297.91	154.92	440.00				
CURVE													
CS	678758.283	917942.936	S 55°47'16.0" E	199.54						13°01'18.4"(RT)	200.00	133.70	67.00
SPIRAL													
ST	678646.089	918107.949	S 50°37'03.1" E	261.22									
LINE													
POT	678480.345	918309.854											

RP44C POINT													
TS	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			N 89°05'41.6" E	199.95						04°31'06.1"(RT)	200.00	110.98	89.12
SC	678443.607	916696.307	S 79°56'08.2" E	562.22	16°55'36.7"(RT)	02°59'59.2"	564.27	284.21	1910.00				
CURVE													
CS	678345.356	917249.876	S 67°18'08.3" E	199.77						09°30'38.4"(RT)	200.00	112.54	87.91
SPIRAL													
SC	678268.272	917434.173	S 47°15'28.4" E	446.72	29°24'26.1"(RT)	06°30'39.2"	451.66	230.92	880.00				
CURVE													
PT	677965.082	917762.253	S 30°28'48.7" E	84.63									
LINE													
POT	677892.149	917805.179											

RP44D POINT													
TS	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			N 85°43'59.4" W	249.10						16°16'38.0"(LT)	250.00	167.38	83.98
SC	678179.741	918425.620	S 75°20'46.9" W	123.47	16°07'50.1"(LT)	13°01'18.4"	123.87	62.35	440.00				
CURVE													
CS	678148.507	918306.171	S 56°12'31.0" W	254.05						16°36'09.9"(LT)	255.00	170.75	85.69
SPIRAL													
ST	678007.212	918095.038	S 50°24'23.9" W	407.60									
LINE													
POT	677747.437	917780.950											

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS