

REVISIONS

SURVEY CONTROL SHEET
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

A-EL POINT	N	E	BEARING	DIST
POT	678328.217	927996.629		
LINE			N 70°44'00.0" E	4000.00
POT	679648.078	931772.601		

A-EL1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	682541.480	934383.640							
LINE			N 32°41'30.0" E	152.47					
PC	682669.793	934465.989							
CURVE	683540.305	934780.394	N 19°51'30.0" E	925.55	25°40'00.0"(LT)	02°45'00.0"	933.33	474.63	2083.48
PT			N 07°01'30.0" E	1441.83					
LINE			N 02°21'30.0" E	466.15					
PC	684971.307	934956.733							
CURVE	685437.063	934975.915	N 02°21'30.0" E	466.15	09°20'00.0"(LT)	02°00'00.0"	466.67	233.85	2864.79
PT			N 02°18'30.0" W	224.86					
LINE			N 02°18'30.0" W	224.86					
PC	685661.740	934966.858							
CURVE			N 12°48'30.0" E	1707.65	30°14'00.0"(RT)	01°45'00.0"	1727.62	884.43	3274.04
PT	687326.895	935345.427							

E240E POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
PC	679606.218	931714.050											
CURVE			N 66°30'45.0" E	844.23	08°27'00.0"(LT)	01°00'00.0"	845.00	423.27	5729.58				
PT	679942.687	932488.337											
LINE			N 62°17'15.0" E	999.74									
TS	680407.602	933373.400											
SPIRAL			N 59°17'17.3" E	299.67						09°00'00.0"(LT)	300.00	200.26	100.24
SC	680560.650	933631.042											
CURVE			N 35°51'37.5" E	571.99	34°51'15.0"(LT)	06°00'00.0"	580.90	299.75	954.93				
CS	681024.215	933966.119											
SPIRAL			N 12°25'57.7" E	299.67						09°00'00.0"(LT)	300.00	200.26	100.24
ST	681316.859	934030.636											
LINE			N 09°26'00.0" E	451.95									
TS	681762.695	934104.710											
SPIRAL			N 11°05'59.6" E	249.92						05°00'00.0"(RT)	250.00	166.73	83.39
SC	682007.936	934152.824											
CURVE			N 21°03'52.5" E	330.82	13°15'45.0"(RT)	04°00'00.0"	331.56	166.53	1432.39				
CS	682316.652	934271.728											
SPIRAL			N 31°01'45.4" E	249.92						05°00'00.0"(RT)	250.00	166.73	83.39
ST	682316.652	934271.728											

E240W POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
PC	679635.534	931676.747											
CURVE			N 63°12'30.0" E	1000.45	15°03'00.0"(LT)	01°30'00.0"	1003.33	504.57	3819.72				
PT	680086.485	932569.801											
LINE			N 55°41'00.0" E	1024.74									
TS	680664.197	933416.166											
SPIRAL			N 52°41'02.3" E	299.67						09°00'00.0"(LT)	300.00	200.26	100.24
SC	680845.861	933654.496											
CURVE			N 34°06'37.5" E	415.74	25°08'45.0"(LT)	06°00'00.0"	419.10	212.98	954.93				
CS	681190.078	933887.639											
SPIRAL			N 15°32'12.7" E	299.67						09°00'00.0"(LT)	300.00	200.26	100.24
ST	681478.799	933967.909											
LINE			N 12°32'15.0" E	268.93									
TS	681741.314	934026.287											
SPIRAL			N 13°32'14.9" E	199.98						03°00'00.0"(RT)	200.00	133.35	66.68
SC	681935.734	934073.098											
CURVE			N 22°37'00.0" E	470.74	14°09'30.0"(RT)	03°00'00.0"	471.94	237.18	1909.86				
CS	682370.277	934254.129											
SPIRAL			N 31°41'45.1" E	199.98						03°00'00.0"(RT)	200.00	133.35	66.68
ST	682540.426	934359.199											
LINE			N 32°41'45.0" E	14.09									
POT	682552.282	934366.809											

A-EY1A POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	679670.019	930354.343							
LINE			S 68°36'44.1" E	172.54					
PC	679607.098	930515.002							
CURVE			N 80°28'31.0" E	268.92	61°49'29.6"(LT)	21°53'27.8"	282.42	156.72	261.73
PT	679651.596	930780.212							
LINE			N 49°33'46.2" E	327.72					
PC	679864.157	931029.642							
CURVE			N 72°13'28.7" E	164.33	45°19'25.0"(RT)	26°52'02.5"	168.69	89.04	213.25
PT	679914.325	931186.127							
LINE			S 85°06'48.8" E	109.59					
POT	679904.990	931295.318							

A-EY1B POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	677333.132	930801.851							
LINE			N 41°00'00.0" W	163.04					
PC	677456.179	930694.888							
CURVE			N 32°58'30.0" W	355.50	16°03'00.0"(RT)	04°30'00.0"	356.67	179.51	1273.24
PT	677754.412	930501.399							
LINE			N 24°57'00.0" W	207.80					
PC	677942.816	930413.745							
CURVE			N 08°51'46.1" W	309.79	32°10'27.8"(RT)	10°15'00.0"	313.90	161.21	558.98
PCC	678248.905	930366.016							
CURVE			N 15°08'43.9" E	217.82	15°50'32.2"(RT)	07°15'00.0"	218.51	109.96	790.29
PT	678459.158	930422.926							
LINE			N 23°04'00.0" E	290.65					
PC	678726.573	930536.804							
CURVE			N 07°07'54.6" E	182.38	31°52'10.7"(LT)	17°15'00.0"	184.75	94.83	332.15
PCC	678907.541	930559.447							
CURVE			N 14°39'05.4" W	97.31	11°41'49.2"(LT)	12°00'00.0"	97.48	48.91	477.46
PT	679001.683	930534.834							
LINE			N 20°30'00.0" W	219.53					
PC	679207.309	930457.954							
CURVE			N 05°35'00.0" E	125.96	52°10'00.0"(RT)	40°00'00.0"	130.42	70.12	143.24
PT	679332.670	930470.209							
LINE			N 31°40'00.0" E	144.63					
PC	679455.771	930546.139							
CURVE			N 20°55'00.0" E	89.06	21°30'00.0"(LT)	24°00'00.0"	89.58	45.32	238.73
PT	679538.960	930577.933							
LINE			N 10°10'00.0" E	51.97					
POT	679590.116	930587.107							

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.

PROJECT REFERENCE NO.	SHEET NO.
I-2513AC	RW02C-16
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