

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I-2513AA	RW02C-20
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

I40CLMED													
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	677979.321	910846.465											
LINE			S 69°06'58.3" E	984.84									
TS	677628.252	911766.604											
SPIRAL			S 69°33'36.2" E	199.99						02°00'24.7"(LT)	200.00	133.34	66.67
SC	677558.411	911954.002											
CURVE			N 87°48'20.4" E	2073.83	42°35'33.7"(LT)	02°00'24.7"	2122.36	1112.91	2855.00				
CS	677637.815	914026.306											
SPIRAL			N 65°10'17.1" E	199.99						02°00'24.7"(LT)	200.00	133.34	66.67
ST	677721.791	914207.810											
LINE			N 64°30'08.9" E	846.30									
TS	678086.100	914971.684											
SPIRAL			N 64°54'08.8" E	160.00						01°11'59.7"(RT)	160.00	106.67	53.34
SC	678153.964	915116.575											
CURVE			N 82°05'44.4" E	2156.23	32°47'11.6"(RT)	01°29'59.6"	2185.93	1123.80	3820.00				
CS	678450.488	917252.317											
SPIRAL			S 80°42'40.0" E	160.00						01°11'59.7"(RT)	160.00	106.67	53.34
ST	678424.662	917410.216											
LINE			S 80°18'40.1" E	2291.72									
PC	678038.972	919669.247											
CURVE			S 77°48'58.8" E	1044.69	04°59'22.6"(RT)	00°28'38.9"	1045.02	522.84	12000.00				
PT	677818.493	920690.409											
LINE			S 75°12'34.6" E	1972.50									
POT	677314.947	922597.551											
LINE			S 75°12'34.6" E	952.21									
POT	677071.865	923518.206											

I40EB										
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	
PC	677278.901	922600.921								
CURVE			S 73°03'24.0" E	603.84	04°31'48.0"(RT)	00°45'00.0"	604.00	302.16	7639.44	
PT	677102.926	923178.553								
LINE			S 70°52'10.5" E	1947.34						
PC	676464.744	925018.354								
CURVE			S 87°43'13.5" E	2214.53	33°42'06.0"(LT)	01°30'00.0"	2246.78	1156.94	3819.72	
PT	676376.660	927231.130								
LINE			N 75°25'43.5" E	2627.55						
POT	677037.709	929774.166								

SMOKEY										
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	
POT	677028.916	917247.362								
LINE			N 30°13'13.9" E	171.72						
PC	677177.299	917333.794								
CURVE			N 31°10'50.8" E	69.77	01°55'13.9"(RT)	02°45'09.4"	69.77	34.89	2081.52	
PT	677236.988	917369.916								
LINE			N 32°08'27.8" E	68.67						
PC	677295.138	917406.451								
CURVE			N 33°01'47.5" E	145.95	01°46'39.3"(RT)	01°13'04.4"	145.96	72.98	4704.51	
PT	677417.501	917486.005								
LINE			N 33°55'07.1" E	862.94						
PC	678133.595	917967.538								
CURVE			N 38°15'06.4" E	119.80	08°39'58.5"(RT)	07°13'37.4"	119.91	60.07	792.79	
PT	678227.673	918041.708								
LINE			N 42°35'05.6" E	203.53						
PC	678377.524	918179.430								
CURVE			N 49°35'45.7" E	115.23	14°01'20.2"(RT)	12°08'18.9"	115.52	58.05	472.01	
PT	678452.213	918267.177								
LINE			N 56°36'25.8" E	128.75						
PC	678523.075	918374.675								
CURVE			N 64°20'59.8" E	342.15	15°29'08.0"(RT)	04°30'43.9"	343.19	172.65	1269.80	
PT	678671.182	918683.107								
LINE			N 72°05'33.8" E	51.83						
PC	678687.118	918732.421								
CURVE			N 75°28'23.9" E	103.00	06°45'40.3"(RT)	06°33'38.1"	103.06	51.59	873.34	
PT	678712.953	918832.127								
LINE			N 78°51'14.1" E	85.02						
PC	678729.388	918915.546								
CURVE			N 81°16'40.3" E	84.11	04°50'52.4"(RT)	05°45'43.7"	84.13	42.09	994.35	
PT	678742.143	918998.682								
LINE			N 83°42'06.5" E	259.35						
PC	678770.595	919256.469								
CURVE			N 78°08'43.7" E	386.17	11°06'45.7"(LT)	02°52'23.3"	386.78	194.00	1994.18	
PT	678849.925	919634.405								
LINE			N 72°35'20.8" E	59.44						
POT	678867.711	919691.121								

SNDHLL										
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	
POT	677208.448	917177.609								
LINE			S 65°24'10.5" E	28.03						
PC	677196.782	917203.091								
CURVE			S 62°17'13.8" E	260.32	06°13'53.5"(RT)	02°23'33.5"	260.45	130.35	2394.68	
PT	677075.724	917433.548								
LINE			S 59°10'17.0" E	34.20						
POT	677058.199	917462.914								

NOTES:

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- 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