

PROJECT REFERENCE NO. <i>U-2707</i>	SHEET NO. <i>NS-13</i>
RW SHEET NO.	

# ALIGNMENT DATA REACH 1

Beginning Point						
Station	<b>00+00.00</b>					
Northing	<b>826494.3736</b>					
Easting	<b>1597877.6360</b>					
Station	Curve/Tangent Number	Curve/Tangent Length (ft)	Chord/Tangent Bearing	Chord Length (ft)	Delta Angle	Radius (ft)
0+00.00	Point 45000					
	Point 45000 to PC R1-1	10.48	N 61° 41' 44.10" E			
0+10.48	Curve R1-1	21.11	N 74° 02' 24.49" E	20.95	24° 41' 20.78" (RT)	49.00
	PT R1-1 to PC R1-2	3.84	N 86° 23' 04.88" E			
0+35.43	Curve R1-2	42.82	N 51° 20' 15.67" E	40.20	70° 05' 38.42" (LT)	35.00
	PT R1-2 to PC R1-3	5.61	N 16° 17' 26.46" E			
0+83.86	Curve R1-3	48.84	N 61° 25' 29.75" E	43.94	90° 16' 06.57" (RT)	31.00
	PT R1-3 to PC R1-4	9.73	S 73° 26' 26.97" E			
1+42.42	Curve R1-4	54.40	N 62° 01' 43.35" E	49.09	89° 03' 39.37" (LT)	35.00
	PT R1-4 to PC R1-5	7.49	N 17° 29' 53.66" E			
2+04.32	Curve R1-5	44.23	N 59° 44' 12.89" E	40.33	84° 28' 38.45" (RT)	30.00
	PT R1-5 to PC R1-6	5.23	S 78° 01' 27.88" E			
2+53.79	Curve R1-6	46.76	N 60° 06' 55.79" E	42.71	83° 43' 12.66" (LT)	32.00
	PT R1-6 to PC R1-7	7.03	N 18° 15' 19.46" E			
3+07.57	Curve R1-7	47.16	N 56° 51' 09.79" E	43.67	77° 11' 40.66" (RT)	35.00
	PT R1-7 to PC R1-8	7.41	S 84° 32' 59.88" E			
3+62.14	Curve R1-8	52.42	N 54° 51' 46.39" E	48.14	81° 10' 27.46" (LT)	37.00
	PT R1-8 to PC R1-9	7.44	N 14° 16' 32.65" E			
4+22.00	Curve R1-9	50.33	N 63° 59' 44.48" E	44.25	99° 26' 23.64" (RT)	29.00
	PT R1-9 to PC R1-10	5.72	S 66° 17' 03.70" E			
4+78.05	Curve R1-10	49.84	N 62° 43' 03.65" E	43.52	101° 59' 45.29" (LT)	28.00
	PT R1-10 to PC R1-11	4.89	N 11° 43' 11.01" E			
5+32.78	Curve R1-11	52.74	N 50° 27' 47.72" E	48.82	77° 29' 13.42" (RT)	39.00
	PT R1-11 to PC R1-12	6.18	N 89° 12' 24.43" E			
5+91.70	Curve R1-12	39.46	N 51° 31' 45.40" E	36.67	75° 21' 18.07" (LT)	30.00
	PT R1-12 to PC R1-13	4.64	N 13° 51' 06.36" E			
6+35.80	Curve R1-13	47.52	N 60° 47' 33.87" E	42.38	93° 52' 55.01" (RT)	29.00
	PT R1-13 to PC R1-14	6.15	S 72° 15' 58.62" E			
6+89.48	Curve R1-14	59.25	N 60° 35' 07.59" E	52.78	94° 17' 47.57" (LT)	36.00
	PT R1-14 to PC R1-15	6.23	N 13° 26' 13.81" E			
7+54.95	Curve R1-15	34.19	N 48° 25' 14.01" E	32.11	69° 58' 00.40" (RT)	28.00
	PT R1-15 to PC R1-16	5.62	N 83° 24' 14.21" E			
7+94.77	Curve R1-16	45.15	N 41° 40' 42.92" E	41.26	83° 27' 02.58" (LT)	31.00
	PT R1-16 to PC R1-17	10.20	N 0° 02' 48.38" W			
8+50.12	Curve R1-17	49.30	N 40° 18' 30.95" E	45.33	80° 42' 38.65" (RT)	35.00
	PT R1-17 to PC R1-18	5.03	N 80° 39' 50.28" E			
9+04.46	Curve R1-18	51.70	N 31° 17' 40.66" E	45.54	98° 44' 19.23" (LT)	30.00
	PT R1-18 to PC R1-19	5.85	N 18° 04' 28.96" W			
9+62.01	Curve R1-19	49.02	N 30° 21' 01.43" E	43.39	96° 51' 00.77" (RT)	29.00
	PT R1-19 to PC R1-20	4.89	N 78° 46' 31.82" E			
10+15.92	Curve R1-20	53.31	N 38° 35' 21.06" E	49.04	80° 22' 21.52" (LT)	38.00
	PT R1-20 to PC R1-21	7.68	N 1° 35' 49.70" W			
10+76.91	Curve R1-21	39.93	N 39° 15' 33.94" E	36.63	81° 42' 47.28" (RT)	28.00
	PT R1-21 to PC R1-22	6.74	N 80° 06' 57.58" E			
11+23.58	Curve R1-22	52.12	N 28° 37' 28.08" E	45.39	102° 58' 59.00" (LT)	29.00
	PT R1-22 to PC R1-23	4.45	N 22° 52' 01.42" W			
11+80.16	Curve R1-23	56.65	N 27° 51' 09.41" E	49.54	101° 26' 21.65" (RT)	32.00
	PT R1-23 to PC R1-24	5.17	N 78° 34' 20.23" E			
12+41.98	Curve R1-24	43.64	N 36° 53' 51.67" E	39.89	83° 20' 57.13" (LT)	30.00
	PT R1-24 to PC R1-25	5.29	N 4° 46' 36.90" W			
12+90.92	Curve R1-25	51.80	N 36° 26' 53.31" E	47.45	82° 27' 00.41" (RT)	36.00
	PT R1-25 to PC R1-26	10.49	N 77° 40' 23.51" E			
13+53.21	Curve R1-26	39.24	N 41° 24' 49.79" E	36.67	72° 31' 07.44" (LT)	31.00

Station	Curve/Tangent Number	Curve/Tangent Length (ft)	Chord/Tangent Bearing	Chord Length (ft)	Delta Angle	Radius (ft)
	PT R1-26 to PC R1-27	8.81	N 5° 09' 16.07" E			
14+01.26	Curve R1-27	47.45	N 43° 59' 48.18" E	43.90	77° 41' 04.22" (RT)	35.00
	PT R1-27 to PC R1-28	9.08	N 82° 50' 20.29" E			
14+57.79	Curve R1-28	37.68	N 45° 37' 08.29" E	35.08	74° 26' 23.99" (LT)	29.00
	PT R1-28 to PC R1-29	8.64	N 8° 23' 56.30" E			
15+04.11	Curve R1-29	50.64	N 47° 36' 30.64" E	46.78	78° 25' 08.69" (RT)	37.00
	PT R1-29 to PC R1-30	6.20	N 86° 49' 04.99" E			
15+60.95	Curve R1-30	46.67	N 47° 29' 36.67" E	43.09	78° 38' 56.63" (LT)	34.00
	PT R1-30 to PC R1-31	7.87	N 8° 10' 08.36" E			
16+15.49	Curve R1-31	50.92	N 45° 34' 27.41" E	47.38	74° 48' 38.09" (RT)	39.00
	PT R1-31 to PC R1-32	8.06	N 82° 58' 46.45" E			
16+74.47	Curve R1-32	51.92	N 41° 39' 33.30" E	47.54	82° 38' 26.30" (LT)	36.00
	PT R1-32 to PC R1-33	11.79	N 0° 20' 20.15" E			
17+38.19	Curve R1-33	80.43	N 47° 21' 38.65" E	71.70	94° 02' 36.99" (RT)	49.00
	PC R1-33 to Point 45001	16.30	S 85° 37' 02.86" E			
18+34.91	Point 45001					

REVISIONS