

Red de distribución ramal 1 TUB. REHABILITACION									
LADO EST	PV	RUMBO	DISTANCIA	V	C O O R D E N A D A S				
					Y	X			
1	2	N 69°22'05.78" W	3.77	2	1,883,156.92	755,733.63			
					1,883,158.25	755,730.10			

RED DE DISTRIBUCION RAMAL 1 TUB. EXISTENTE									
LADO EST	PV	RUMBO	DISTANCIA	V	C O O R D E N A D A S				
					Y	X			
2	3	N 18°26'30.58" E	26.36	3	1,883,183.26	755,736.44			
3	4	N 36°09'03.34" E	8.16	4	1,883,189.85	755,743.26			
4	5	N 42°44'31.36" W	11.17	5	1,883,188.06	755,735.68			
5	6	N 44°50'39.81" W	69.03	6	1,883,247.00	755,687.00			
6	7	N 42°18'20.58" W	120.34	7	1,883,336.00	755,606.00			
7	8	N 39°52'13.91" W	51.26	8	1,883,375.34	755,573.14			
					1,883,189.85	755,743.26			
4	9	S 51°30'13.02" E	36.51	9	1,883,167.13	755,771.83			
10	10	S 44°19'02.30" E	67.12	10	1,883,119.11	755,816.73			
11	11	S 36°24'00.77" E	60.55	11	1,883,070.37	755,854.66			
10	12	S 32°31'40.49" E	179.21	12	1,882,919.27	755,951.03			
12	13	S 31°53'13.93" E	126.45	13	1,882,811.91	756,017.82			
13	14	S 29°38'53.38" E	96.76	14	1,882,727.82	756,065.69			
14	15	S 31°42'56.27" E	13.43	15	1,882,716.39	756,072.75			
15	16	S 16°25'30.97" W	162.66	16	1,882,560.36	756,026.75			
16	17	S 16°23'06.22" W	42.97	17	1,882,519.14	756,014.63			
17	18	S 18°01'47.87" W	144.70	18	1,882,381.54	755,969.84			
					1,882,716.39	756,072.75			
15	19	S 36°02'27.17" E	56.20	19	1,882,670.98	756,105.85			
19	20	S 48°46'17.23" E	140.79	20	1,882,574.55	756,208.43			
20	21	S 17°52'39.69" W	86.27	21	1,882,492.44	756,181.95			
21	22	S 17°19'31.94" W	176.27	22	1,882,324.17	756,129.46			

RED DE DISTRIBUCION RAMAL 2 TUB. REHABILITACION									
LADO EST	PV	RUMBO	DISTANCIA	V	C O O R D E N A D A S				
					Y	X			
1	2	N 69°22'05.78" W	3.77	2	1,883,156.92	755,733.63			
2	3	S 20°31'21.47" W	42.41	3	1,883,118.54	755,715.24			
3	4	S 19°47'11.68" W	75.56	4	1,883,047.44	755,689.66			
4	5	S 19°59'37.35" W	45.19	5	1,883,004.97	755,674.21			
5	6	S 22°33'28.93" W	130.63	6	1,882,884.34	755,624.10			
6	7	S 16°46'01.26" W	71.17	7	1,882,816.20	755,603.57			
					1,883,156.92	755,730.10			
1	8	N 68°08'27.40" W	35.15	8	1,883,018.06	755,641.59			
6	7	N 71°11'55.90" W	28.06	7	1,883,027.10	755,615.03			
7	8	N 18°20'03.68" E	5.52	8	1,883,032.34	755,616.77			
8	9	N 18°20'03.68" E	106.76	9	1,883,132.66	755,600.18			
9	10	N 18°31'33.07" E	115.78	10	1,883,242.46	755,688.97			
					1,883,032.34	755,616.77			
8	11	N 73°34'04.30" W	22.58	11	1,883,036.73	755,595.11			
11	12	S 22°13'30.05" W	38.49	12	1,883,003.10	755,580.55			
12	13	N 73°24'19.78" W	79.59	13	1,883,025.83	755,504.27			
13	14	N 18°09'01.01" E	322.15	14	1,883,231.95	756,604.63			
					1,883,025.83	755,504.27			
13	15	N 71°28'48.43" W	84.20	15	1,883,052.57	755,424.43			
15	16	S 17°16'50.87" W	97.43	16	1,882,959.54	755,395.49			
					1,883,052.57	755,424.43			
15	17	N 71°11'37.99" W	54.99	17	1,883,070.30	755,372.38			
17	18	N 18°27'09.34" E	183.03	18	1,883,353.40	756,433.47			
18	19	N 17°42'43.72" E	157.02	19	1,883,402.98	755,481.24			

RED DE DISTRIBUCION RAMAL 2 TUB. EXISTENTE									
LADO EST	PV	RUMBO	DISTANCIA	V	C O O R D E N A D A S				
					Y	X			

RED DE DISTRIBUCION RAMAL 3 TUB. REHABILITACION									
LADO EST	PV	RUMBO	DISTANCIA	V	C O O R D E N A D A S				
					Y	X			
1	2	N 69°22'05.78" W	3.77	2	1,883,156.92	755,733.63			
2	3	S 20°31'21.47" W	42.41	3	1,883,118.54	755,715.24			
3	4	S 19°47'11.68" W	75.56	4	1,883,047.44	755,689.66			
4	5	S 19°59'37.35" W	45.19	5	1,883,004.97	755,674.21			
5	6	S 22°33'28.93" W	130.63	6	1,882,884.34	755,624.10			
6	7	S 16°46'01.26" W	71.17	7	1,882,816.20	755,603.57			
					1,882,816.20	755,603.57			
7	8	N 70°06'25.97" W	128.55	8	1,882,859.94	755,482.69			
8	9	N 72°45'15.55" W	80.79	9	1,882,883.89	755,405.53			
9	10	N 16°49'20.27" E	111.54	10	1,882,980.70	755,437.86			
					1,882,883.89	755,405.53			
9	11	N 70°31'49.69" W	25.05	11	1,882,892.24	755,381.91			
11	12	S 15°47'00.10" W	75.69	12	1,882,818.41	755,361.32			
12	13	S 19°56'09.54" W	136.13	13	1,882,668.50	755,323.94			
					1,882,892.24	755,381.91			
11	14	N 70°31'49.69" W	63.53	14	1,882,913.42	755,322.01			
14	15	N 17°47'57.38" E	157.66	15	1,883,063.53	755,370.20			
					1,882,913.42	755,322.01			
14	16	N 67°27'25.53" W	91.84	16	1,882,948.63	755,237.18			

RED DE DISTRIBUCION RAMAL 3 TUB. EXISTENTE									
LADO EST	PV	RUMBO	DISTANCIA	V	C O O R D E N A D A S				
					Y	X			

RED DE DISTRIBUCION RAMAL 4 TUB. REHABILITACION									
LADO EST	PV	RUMBO	DISTANCIA	V	C O O R D E N A D A S				
					Y	X			
1	2	N 69°22'05.78" W	3.77	2	1,883,156.92	755,733.63			
2	3	S 20°31'21.47" W	42.41	3	1,883,118.54	755,715.24			
3	4	S 19°47'11.68" W	75.56	4	1,883,047.44	755,689.66			
4	5	S 19°59'37.35" W	45.19	5	1,883,004.97	755,674.21			
5	6	S 22°33'28.93" W	130.63	6	1,882,884.34	755,624.10			
6	7	S 16°46'01.26" W	71.17	7	1,882,816.20	755,603.57			

RED DE DISTRIBUCION RAMAL 4 TUB. EXISTENTE									
LADO EST	PV	RUMBO	DISTANCIA	V	C O O R D E N A D A S				
					Y	X			

RED DE DISTRIBUCION RAMAL 4 TUB. EXISTENTE									
LADO EST	PV	RUMBO	DISTANCIA	V	C O O R D E N A D A S				
					Y	X			
7	8	S 67°47'17.48" E	67.05	8	1,882,783.48	755,662.09			
8	9	S 66°39'42.84" E	54.20	9	1,882,762.00	755,711.86			
9	10	S 67°14'33.34" E	74.33	10	1,882,733.25	755,780.40			
10	11	N 10°07'02.90" E	85.94	11	1,882,817.86	755,795.50			
11	12	N 18°08'33.61" E	26.27	12	1,882,842.83	755,803.68			
12	13	S 67°10'41.15" E	49.30	13	1,882,823.71	755,849.12			
13	14	S 63°08'43.89" E	86.86	14	1,882,784.47	755,928.61			
14	15	S 57°59'36.89" E	51.10	15	1,882,757.38	755,969.95			
15	16	S 62°16'53.97" E	40.31	16	1,882,738.63	756,005.63			
					1,882,733.25	755,780.40			
17	17	S 16°46'27.30" W	149.05	17	1,882,590.54	755,737.39			
17	18	S 14°13'21.18" W	52.40	18	1,882,539.75	755,724.51			
					1,882,733.25	755,780.40			
10	19	S 67°46'10.39" E	68.90	19	1,882,707.18	755,844.18			
19	20	S 83°44'40.39" E	24.29	20	1,882,704.54	755,868.33			
20	21	N 81°36'33.76" E	132.72	21	1,882,723.90	755,999.63			

RED DE DISTRIBUCION RAMAL 4 TUB. EXISTENTE									
LADO EST	PV	RUMBO	DISTANCIA	V	C O O R D E N A D A S				
					Y	X			

RED DE DISTRIBUCION RAMAL 5 TUB. REHABILITACION									
LADO	EST	PV	RUMBO	DISTANCIA	V	C O O R D E N A D A S			
						Y	X		
1	2		N 69°22'05.78" W	3.77	2	1,883,156.92	755,733.63		
2	3		S 20°31'21.47" W	42.41	3	1,883,118.52	755,730.10		
3	4		S 19°47'11.68" W	75.56	4	1,883,118.54	755,715.24		
4	5		S 19°59'37.35" W	45.19	5	1,883,004.97	755,689.66		
5	6		S 22°33'28.93" W	130.63	6	1,882,884.34	755,674.21		
6	7		S 16°46'01.26" W	71.17	7	1,882,816.20	755,624.10		
7	8		S 16°46'01.26" W	70.27	8	1,882,816.20	755,603.57		
8	9		N 02°34'36.07" W	44.08	9	1,882,784.18	755,573.80		
9	10		N 02°27'12.32" E	29.53	10	1,882,674.84	755,560.72		
10	11		N 13°03'10.65" W	94.71	11	1,882,582.57	755,558.73		
11	12		S 14°19'37.84" W	86.54	12	1,882,498.72	755,537.31		
12	13		S 14°34'33.02" W	62.93	13	1,882,437.82	755,521.48		
13	14		N 72°21'28.77" W	149.42	14	1,882,463.18	755,379.08		
14	15		N 70°09'54.86" E	153.59	15	1,882,522.42	753,210.62		
15	16		S 85°32'28.65" W	7.89	16	1,882,521.42	753,222.75		