

Bogota Columbia 78" Tibitoc PCCP P-Wave Inspection

Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K-1+114,38	K-1+112,58	1,80	B1	1			Output Ø 20" bridle and closing belt					6-130	STEEL
K-1+112,58	K-1+108,77	3,82	B2	1								6-130	PCCP
K-1+108,77	K-1+104,79	4,00	B3	1								6-130	PCCP
K-1+104,79	K-1+101,03	3,82	B4	1								5-130	PCCP
K-1+101,03	K-1+097,09	4,00	B5	1								5-130	PCCP
K-1+097,09	K-1+093,40	3,82	B6	1								5-130	PCCP
K-1+093,40	K-1+089,54	4,00	B7	1								5-130	PCCP
K-1+089,54	K-1+083,03	4,00	B8	1								5-130	PCCP
K-1+083,03	K-1+082,15	3,50	B9	1								150	PCCP
K-1+082,15	K-1+078,17	4,00	B10	1								3-130	PCCP
K-1+078,17	K-1+074,19	4,00	B11	1								3-130	PCCP
K-1+074,19	K-1+070,19	4,00	B12	1								3-130	PCCP
K-1+070,19	K-1+066,19	4,00	B13	1								3-130	PCCP
K-1+066,19	K-1+062,19	4,00	B14	1								3-130	PCCP
K-1+062,19	K-1+058,19	4,00	B15	1								3-130	PCCP
K-1+058,19	K-1+054,19	4,00	B16	1								3-130	PCCP
K-1+054,19	K-1+050,13	4,00	B17	1								3-130	PCCP
K-1+050,13	K-1+046,13	4,00	B18	1								3-130	PCCP
K-1+046,13	K-1+042,33	3,82	B19	1								4-130	PCCP
K-1+042,33	K-1+038,59	3,82	B20	1								3-130	PCCP
K-1+038,59	K-1+033,45	3,82	B21	1								3-130	PCCP
K-1+033,45	K-1+031,36	4,00	B22	1								3-130	PCCP
K-1+031,36	K-1+027,60	4,00	B23	1								3-130	PCCP
K-1+027,60	K-1+023,52	4,00	B24	1								3-130	PCCP
K-1+023,52	K-1+019,71	4,00	B25	1								3-130	PCCP
K-1+019,71	K-1+015,92	4,00	B26	1								3-130	PCCP
K-1+015,92	K-1+012,44	3,82	B27	1								3-130	PCCP
K-1+012,44	K-1+008,82	4,00	B28	1								3-130	PCCP
K-1+008,82	K-1+005,54	3,82	B29	1								3-130	PCCP
K-1+005,54	K-1+002,23	3,82	B30	1								4-130	PCCP
K-1+002,23	K-0+998,69	3,94	B31	1								4-130	PCCP
K0-998,69	K-0+995,28	4,00	B32	1								4-130	PCCP
K0-995,28	K-0+991,88	4,00	B33	1								5-130	PCCP
K0-991,88	K-0+986,71	5,17	B34	1			Double-Elbow 52°58'49" Ø 60" x 2.00 Mt x 60" reduction with Ø 2.00 sparrow Ø 60" bell					150	STEEL
K0-986,71	K0-983,18	3,53	B35	1			1 Niple Ø 60" Con bridle tipo "D" y Pasamuro					150	STEEL
K0-983,18	K-0+967,00	12,80	30A	1			Assembly of: Union Dresser Ø 60"; smooth Nipple with bridle; Ø 60" Valve; Yee and Ø 60"x2.00m widening					150	STEEL
K0-967,00	K-0+966,43	3,95	29A	1								3-130	PCCP
K0-966,43	K-0+962,53	3,90	28A	1								3-130	PCCP
K0-962,53	K-0+958,63	3,91	27A	1								3-130	PCCP
K0-958,63	K-0+954,64	4,00	26A	1								3-130	PCCP
K0-954,64	K-0+950,74	3,91	25A	1								3-130	PCCP
K0-950,74	K-0+946,75	4,00	24A	1								3-130	PCCP
K0-946,75	K-0+942,85	3,91	23A	1								3-130	PCCP
K0-942,85	K-0+938,86	4,00	22A	1								3-130	PCCP
K0-938,86	K-0+934,96	3,91	21A	1								3-130	PCCP
K0-934,96	K-0+930,97	4,00	20A	1								3-130	PCCP
K0-930,97	K-0+927,07	3,91	19A	1								3-130	PCCP
K0-927,07	K-0+923,08	4,00	18A	1								3-130	PCCP
K0-923,08	K-0+919,18	3,91	17A	1								3-130	PCCP
K0-919,18	K-0+915,19	4,00	16A	1								3-130	PCCP

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K0-915,19	K-0+911,29	3,91	15A	1							3-130	PCCP	
K0-911,29	K-0+907,30	4,00	14A	1							3-130	PCCP	
K0-907,30	K-0+903,40	3,91	13A	1							3-130	PCCP	
K0-903,40	K-0+899,41	4,00	12A	1							3-130	PCCP	
K0-899,41	K-0+898,92	0,50	11A	1							3-130	STEEL	
K0-898,92	K-0+895,15	3,92	10A	1							3-130	PCCP	
K0-895,15	K-0+004,00	4,00	9A	1							3-130	PCCP	
K0-004,00	K-0+887,49	3,96	8A	1							3-130	PCCP	
K0-887,49	K-0+883,64	4,00	7A	1							3-130	PCCP	
K0-883,64	K-0+879,79	4,00	6A	1							3-130	PCCP	
K0-879,79	K-0+876,05	3,88	5A	1							3-130	PCCP	
K0-876,05	K-0+872,44	3,82	4A	1							3-130	PCCP	
K0-872,44	K-0+868,79	3,65	3A	1							3-130	PCCP	
K0-868,79	K-0+865,14	4,00	2A	1							3-130	PCCP	
K0-865,14	K-0+861,48	4,00	1A	1							3-130	PCCP	
K0-861,48	K-0+857,83	4,00	1	1							3-130	PCCP	
K0-857,83	K-0+854,13	3,98	2	1							3-130	PCCP	
K0-854,13	K-0+850,41	4,00	3	1							3-130	PCCP	
K0-850,41	K-0+846,72	3,97	4	1							3-130	PCCP	
K0-846,72	K-0+843,00	4,00	5	1							3-130	PCCP	
K0-843,00	K-0+839,31	3,97	6	1							3-130	PCCP	
K0-839,31	K-0+835,59	4,00	7	1							3-130	PCCP	
K0-835,59	K-0+831,90	3,97	8	1							3-130	PCCP	
K0-831,90	K-0+828,28	4,00	9	1							3-130	PCCP	
K0-828,28	K-0+824,49	3,97	10	1							3-130	PCCP	
K0-824,49	K-0+820,94	3,82	11	1							3-130	PCCP	
K0-820,94	K-0+817,41	3,97	12	1							3-130	PCCP	
K0-817,41	K-0+813,86	4,00	13	1							3-130	PCCP	
K0-813,86	K-0+810,33	3,97	14	1							3-130	PCCP	
K0-810,33	K-0+806,78	4,00	15	1							3-130	PCCP	
K0-806,78	K-0+803,25	3,97	16	1		odd signal					3-130	PCCP	
K0-803,25	K-0+799,79	4,00	17	1							3-130	PCCP	
K0-799,79	K-0+796,08	3,96	18	1							3-140	PCCP	
K0-796,08	K-0+792,42	4,00	19	1							3-140	PCCP	
K0-792,42	K-0+788,80	3,96	20	1							3-140	PCCP	
K0-788,80	K-0+785,14	4,00	21	1							3-140	PCCP	
K0-785,14	K-0+781,51	3,97	22	1							3-140	PCCP	
K0-781,51	K-0+777,85	4,00	23	1							3-140	PCCP	
K0-777,85	K-0+774,10	3,96	24	1							3-140	PCCP	
K0-774,10	K-0+770,31	4,00	25	1							3-140	PCCP	
K0-770,31	K-0+766,55	3,97	26	1							3-140	PCCP	
K0-766,55	K-0+762,76	4,00	27	1							3-140	PCCP	
K0-762,76	K-0+758,97	3,96	28	1							3-140	PCCP	
K0-758,97	K-0+755,14	4,00	29	1							3-140	PCCP	
K0-755,14	K-0+751,35	3,96	30	1							3-140	PCCP	
K0-751,35	K-0+747,52	4,00	31	1							3-150	PCCP	
K0-747,52	K-0+743,64	3,96	32	1							3-150	PCCP	
K0-743,64	K-0+739,70	4,02	33	1							3-150	PCCP	
K0-739,70	K-0+735,78	3,96	34	1							3-150	PCCP	
K0-735,78	K-0+731,82	4,00	35	1							3-150	PCCP	
K0-731,82	K-0+727,90	3,96	36	1							4-150	PCCP	
K0-727,90	K-0+723,94	4,00	37	1							4-150	PCCP	
K0-723,94	K-0+720,02	3,96	38	1							4-150	PCCP	
K0-720,02	K-0+716,07	4,00	39	1							4-150	PCCP	

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								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K0-716,07	K-0+712,13	3,96	40	1								4-150	PCCP
K0-712,13	K-0+708,15	4,00	41	1								4-150	PCCP
K0-708,15	K-0+704,21	3,96	42	1								4-150	PCCP
K0-704,21	K-0+700,23	4,00	43	1								3-160	PCCP
K0-700,23	K-0+696,29	3,96	44	1								3-160	PCCP
K0-696,29	K-0+692,31	4,00	45	1								3-160	PCCP
K0-692,31	K-0+688,37	3,96	46	1								3-160	PCCP
K0-688,37	K-0+684,39	4,00	47	1								3-160	PCCP
K0-684,39	K-0+680,43	3,98	48	1								3-160	PCCP
K0-680,43	K-0+676,45	4,00	49	1								4-160	PCCP
K0-676,45	K-0+672,47	4,00	50	1								4-160	PCCP
K0-672,47	K-0+668,49	4,00	51	1								4-160	PCCP
K0-668,49	K-0+664,50	4,01	52	1								4-160	PCCP
K0-664,50	K-0+660,50	4,00	53	1								4-160	PCCP
K0-660,50	K-0+656,50	4,00	54	1								4-160	PCCP
K0-656,50	K-0+649,50	7,00	55	1								4-160	PCCP
K0-649,50	K-0+642,50	7,00	56	1								3-160	PCCP
K0-642,50	K-0+635,50	7,00	57	1								3-160	PCCP
K0-635,50	K-0+628,50	7,00	58	1								3-160	PCCP
K0-628,50	K-0+621,50	7,00	59	1								3-160	PCCP
K0-621,50	K-0+614,50	7,00	60	1								3-160	PCCP
K0-614,50	K-0+607,50	7,00	61	1								3-160	PCCP
K0-607,50	K-0+607,50	7,00	62	1								3-160	PCCP
K0-607,50	K-0+599,23	1,27	62A	1		Manhole 4	Ø 16" Mouth and Ø16" (#3 y 4) drain					150	STEEL
K0-599,23	K-0+593,00	7,00	63	1								3-160	PCCP
K0-593,00	K-0+586,00	7,00	64	1								3-160	PCCP
K0-586,00	K-0+579,00	7,00	65	1								3-160	PCCP
K0-579,00	K-0+572,00	7,00	66	1								3-160	PCCP
K0-572,00	K-0+565,00	7,00	67	1								3-160	PCCP
K0-565,00	K-0+558,00	7,00	68	1								3-160	PCCP
K0-558,00	K-0+551,00	7,00	69	1								3-160	PCCP
K0-551,00	K-0+544,00	7,00	70	1								3-160	PCCP
K0-544,00	K-0+537,00	7,00	71	1								3-160	PCCP
K0-537,00	K-0+530,00	7,00	72	1								3-160	PCCP
K0-530,00	K-0+523,00	7,00	73	1								3-160	PCCP
K0-523,00	K-0+516,00	7,00	74	1								3-160	PCCP
K0-516,00	K-0+509,00	7,00	75	1	5						5	3-160	PCCP
K0-509,00	K-0+502,00	7,00	76	1								3-160	PCCP
K0-502,00	K-0+495,00	7,00	77	1								3-160	PCCP
K0-495,00	K-0+487,23	7,00	78	1								3-160	PCCP
K0-487,23	K-0+480,19	7,07	79	2		Venturi	Venturi pipe with bell adapter on both ends (#5)						STEEL
K0-480,19	K-0+473,19	7,00	80	2								3-160	PCCP
K0-473,19	K-0+466,19	7,00	81	2								3-160	PCCP
K0-466,19	K-0+459,19	7,00	82	2								3-160	PCCP
K0-459,19	K-0+452,19	7,00	83	2								3-160	PCCP
K0-452,19	K-0+445,19	7,00	84	2								3-160	PCCP
K0-445,19	K-0+438,19	7,00	85	2								3-160	STEEL
K0-438,19	K-0+431,19	7,00	86	2								3-160	PCCP
K0-431,19	K-0+004,00	3,00	87	2		Manhole 6	24" access point + Macromedidor (#6) and drain					160	STEEL

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								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K0-004,00	K-0+424,19	4,00	87A	2			Nipple, output for pitometer					160	STEEL
K0-424,19	K-0+417,19	7,00	88	2								3-160	PCCP
K0-417,19	K-0+410,19	7,00	89	2								3-160	PCCP
K0-410,19	K-0+403,19	7,00	90	2								3-160	PCCP
K0-403,19	K-0+396,19	7,00	91	2								3-160	PCCP
K0-396,19	K-0+389,19	7,00	92	2								3-160	PCCP
K0-389,19	K-0+382,19	7,00	93	2								3-160	PCCP
K0-382,19	K-0+375,19	7,00	94	2								3-160	PCCP
K0-375,19	K-0+368,19	7,00	95	2								3-160	PCCP
K0-368,19	K-0+361,19	7,00	96	2								3-160	PCCP
K0-361,19	K-0+354,19	7,00	97	2								3-160	PCCP
K0-354,19	K-0+347,19	7,00	98	2								3-160	PCCP
K0-347,19	K-0+340,19	7,00	99	2								3-160	PCCP
K0-340,19	K-0+333,19	7,00	100	2								3-160	PCCP
K0-333,19	K-0+326,19	7,00	101	2								3-160	PCCP
K0-326,19	K-0+319,19	7,00	102	2								3-160	PCCP
K0-319,19	K-0+312,19	7,00	103	2								3-160	PCCP
K0-312,19	K-0+305,19	7,00	104	2								3-160	PCCP
K0-305,19	K-0+298,19	7,00	105	2								3-160	PCCP
K0-298,19	K-0+291,19	7,00	106	2								3-160	PCCP
K0-291,19	K-0+284,19	7,00	107	2								3-160	PCCP
K0-284,19	K-0+277,19	7,00	108	2								3-160	PCCP
K0-277,19	K-0+270,19	7,00	109	2								3-160	PCCP
K0-270,19	K-0+263,19	7,00	110	2								3-160	PCCP
K0-263,19	K-0+000,00	12,87	111	2		V-7	1 Narrowing Ø 2.00 x 60" with Ø 60" bell output and closing belt					3-160	STEEL
	K-0+000,00		112	2		V-7	1 smooth nipple with Ø 60" bridle Ø 10" output of bridle					3-160	STEEL
	K-0+000,00		113	2		V-7	1 valve Ø 60" J.B.S					3-160	STEEL
	K-0+000,00		114	2		V-7	1 smooth nipple with Ø 60" bridle Ø 10" output of bridle and Ø 16" drain bridle					3-160	STEEL
	K-0+000,00		115	2		V-7	1 Dresser Union Ø 60"					3-160	STEEL
K-0+250,32			116	2		V-7	1 Widening Ø 60"x2,00 M with smooth-end walkthrough Ø 60" and Ø 2.00" bell					3-160	STEEL
K0-250,32	K-0+243,32	7,00	117	2								3-160	PCCP
K0-243,32	K-0+236,32	7,00	118	2								3-160	PCCP
K0-236,32	K-0+229,32	7,00	119	2								3-160	PCCP
K0-229,32	K-0+222,32	7,00	120	2								3-160	PCCP
K0-222,32	K-0+215,32	7,00	121	2								3-160	PCCP
K0-215,32	K-0+208,32	7,00	122	2								3-160	PCCP
K0-208,32	K-0+201,32	7,00	123	2								3-160	PCCP
K0-201,32	K-0+194,32	7,00	124	2								3-160	PCCP
K0-194,32	K-0+187,32	7,00	125	2								3-160	PCCP
K0-187,32	K-0+180,32	7,00	126	2								3-160	PCCP
K0-180,32	K-0+173,32	7,00	127	2								3-160	PCCP
K0-173,32	K-0+166,32	7,00	128	2								3-160	PCCP
K0-166,32	K-0+159,32	7,00	129	2								3-160	PCCP
K0-159,32	K-0+152,31	7,00	130	2								3-160	PCCP
K0-152,31	K-0+145,31	7,00	131	2		10				10		3-160	PCCP
K0-145,31	K-0+138,31	7,00	132	2								3-160	PCCP
K0-138,31	K-0+131,31	7,00	133	2								3-160	PCCP
K0-131,31	K-0+124,31	7,00	134	2								3-160	PCCP
K0-124,31	K-0+117,31	7,00	135	2		10				10		3-160	PCCP
K0-117,31	K-0+110,31	7,00	136	2								3-160	PCCP
K0-110,31	K-0+103,31	7,00	137	2								3-160	PCCP

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								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K0-103,31	K-0+096,31	7,00	138	2								3-160	PCCP
K0-096,31	K-0+089,31	7,00	139	2								3-160	PCCP
K0-089,31	K-0+082,31	7,00	140	2								3-160	PCCP
K0-082,31	K-0+075,31	7,00	141	2								3-160	PCCP
K0-075,31	K-0+068,31	7,00	142	2								3-160	PCCP
K0-068,31	K-0+007,00	7,00	143	2								3-160	PCCP
K0-007,00	K-0+054,31	7,00	144	2								3-160	PCCP
K0-054,31	K-0+047,32	6,99	145	2								3-160	PCCP
K0-047,32	K-0+040,38	6,94	146	2								3-160	PCCP
K0-040,38	K-0+033,44	6,94	147	2								3-160	PCCP
K0-033,44	K-0+026,50	6,94	148	2								3-160	PCCP
K0-026,50	K-0+019,56	6,94	149	2								3-160	PCCP
K0-019,56	K-0+012,62	6,94	150	2								3-160	PCCP
K0-012,62	K-0+005,68	6,94	151	2								3-160	PCCP
K0-005,68	K-0+001,25	6,94	152	2	140						140	3-160	PCCP
K0+001,25	K-0+008,19	6,94	153	2								3-160	PCCP
K0+008,19	K-0+015,13	6,94	154	2								3-160	PCCP
K0+015,13	K-0+022,07	6,94	155	2	5	Anomaly may be due to structural causes other than wire damage					5	3-160	PCCP
K0+022,07	K-0+029,01	6,94	156	2								3-160	PCCP
K0+029,01	K-0+035,95	6,94	157	2								3-160	PCCP
K0+035,95	K-0+042,89	6,94	158	2								3-160	PCCP
K0+042,89	K-0+049,82	6,94	159	3	55			5	50			3-160	PCCP
K0+049,82	K-0+056,76	6,94	160	3								3-160	PCCP
K0+056,76	K-0+063,70	6,94	161	3								3-160	PCCP
K0+063,70	K-0+070,69	6,99	162	3								3-160	PCCP
K0+070,69	K-0+077,69	7,00	163	3								3-160	PCCP
K0+077,69	K-0+084,69	7,00	164	3								3-160	PCCP
K0+084,69	K-0+091,69	7,00	165	3	50				50			3-160	PCCP
K0+091,69	K-0+098,69	7,00	166	3								3-160	PCCP
K0+098,69	K-0+105,69	7,00	167	3								3-160	PCCP
K0+105,69	K-0+112,63	6,94	168	3		Vent 8	Air valve Ø 8" (#8)					3-160	PCCP
K0+112,63	K-0+119,63	7,00	169	3								3-160	PCCP
K0+119,63	K-0+126,63	7,00	170	3								3-160	PCCP
K0+126,63	K-0+133,62	7,00	171	3								3-160	PCCP
K0+133,62	K-0+140,62	7,00	172	3								3-160	PCCP
K0+140,62	K-0+147,62	7,00	173	3								3-160	PCCP
K0+147,62	K-0+154,62	7,00	174	3								3-160	PCCP
K0+154,62	K-0+161,61	7,00	175	3								3-160	PCCP
K0+161,61	K-0+168,61	7,00	176	3								3-160	PCCP
K0+168,61	K-0+175,61	7,00	177	3								3-160	PCCP
K0+175,61	K-0+182,61	7,00	178	3								3-160	PCCP
K0+182,61	K-0+189,60	7,00	179	3								3-160	PCCP
K0+189,60	K-0+196,60	7,00	180	3								3-160	PCCP
K0+196,60	K-0+203,60	7,00	181	3								3-160	PCCP
K0+203,60	K-0+210,60	7,00	182	3								3-160	PCCP
K0+210,60	K-0+217,60	7,00	183	3								3-160	PCCP
K0+217,60	K-0+224,60	7,00	184	3								3-160	PCCP
K0+224,60	K-0+231,60	7,00	185	3								3-160	PCCP
K0+231,60	K-0+238,60	7,00	186	3								3-160	PCCP
K0+238,60	K-0+245,60	7,00	187	3								3-160	PCCP
K0+245,60	K-0+252,60	7,00	188	3								3-160	PCCP
K0+252,60	K-0+259,54	6,94	189	3								3-170	PCCP

Bogota Columbia 78" Tibitoc PCCP P-Wave Inspection

Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K0+259,54	K-0+266,54	7,00	190	3								3-170	PCCP
K0+266,54	K-0+273,53	7,00	191	3								3-170	PCCP
K0+273,53	K-0+280,53	7,00	192	3								3-170	PCCP
K0+280,53	K-0+287,53	7,00	193	3								3-170	PCCP
K0+287,53	K-0+294,53	7,00	194	3								3-170	PCCP
K0+294,53	K-0+301,53	7,00	195	3								3-170	PCCP
K0+301,53	K-0+308,53	7,00	196	3								3-170	PCCP
K0+308,53	K-0+315,53	7,00	197	3								3-170	PCCP
K0+315,53	K-0+322,53	7,00	198	3								3-170	PCCP
K0+322,53	K-0+329,53	7,00	199	3								3-170	PCCP
K0+329,53	K-0+336,53	7,00	200	3								3-170	PCCP
K0+336,53	K-0+343,53	7,00	201	3								3-170	PCCP
K0+343,53	K-0+350,53	7,00	202	3								3-170	PCCP
K0+350,53	K-0+357,53	7,00	203	3								3-170	PCCP
K0+357,53	K-0+364,53	7,00	204	3								3-170	PCCP
K0+364,53	K-0+371,53	7,00	205	3								3-170	PCCP
K0+371,53	K-0+378,53	7,00	206	3								3-170	PCCP
K0+378,53	K-0+385,53	7,00	207	3								3-170	PCCP
K0+385,53	K-0+392,53	7,00	208	3								3-170	PCCP
K0+392,53	K-0+399,53	7,00	209	3								3-170	PCCP
K0+399,53	K-0+406,53	7,00	210	3								3-170	PCCP
K0+406,53	K-0+413,53	7,00	211	3								3-170	PCCP
K0+413,53	K-0+420,53	7,00	212	3								3-170	PCCP
K0+420,53	K-0+427,53	7,00	213	3								3-170	PCCP
K0+427,53	K-0+434,53	7,00	214	3								3-170	PCCP
K0+434,53	K-0+441,53	7,00	215	3								3-170	PCCP
K0+441,53	K-0+448,53	7,00	216	3								3-170	PCCP
K0+448,53	K-0+455,53	7,00	217	3								3-170	PCCP
K0+455,53	K-0+462,53	7,00	218	3								3-170	PCCP
K0+462,53	K-0+469,53	7,00	219	3								3-170	PCCP
K0+469,53	K-0+476,53	7,00	220	3								3-170	PCCP
K0+476,53	K-0+483,53	7,00	221	3								3-170	PCCP
K0+483,53	K-0+490,53	7,00	222	3								3-170	PCCP
K0+490,53	K-0+497,53	7,00	223	3								3-170	PCCP
K0+497,53	K-0+504,53	7,00	224	3								3-170	PCCP
K0+504,53	K-0+511,53	7,00	225	3		anomalous joint 225/224						3-170	PCCP
K0+511,53	K-0+518,53	7,00	226	3	10						10	3-170	PCCP
K0+518,53	K-0+525,53	7,00	227	3								3-170	PCCP
K0+525,53	K-0+532,53	7,00	228	3								3-170	PCCP
K0+532,53	K-0+539,52	7,00	229	3								3-170	PCCP
K0+539,52	K-0+540,77	1,25	229A	3		Manhole 9	Access point Ø 16" (#9)						STEEL
K0+540,77	K-0+546,52	7,00	230	3								3-170	PCCP
K0+546,52	K-0+553,52	7,00	231	3								3-170	PCCP
K0+553,52	K-0+560,52	7,00	232	3								3-170	PCCP
K0+560,52	K-0+567,52	7,00	233	3								3-170	PCCP
K0+567,52	K-0+574,52	7,00	234	3								3-170	PCCP
K0+574,52	K-0+581,52	7,00	235	3								3-170	PCCP
K0+581,52	K-0+588,52	7,00	236	3								3-170	PCCP
K0+588,52	K-0+595,52	7,00	237	3								3-170	PCCP
K0+595,52	K-0+602,52	7,00	238	3								3-170	PCCP
K0+602,52	K-0+609,52	7,00	239	3	5						5	3-170	PCCP
K0+609,52	K-0+616,52	7,00	240	3	20							3-170	PCCP
K0+616,52	K-0+623,52	7,00	241	3								3-170	PCCP

Bogota Columbia 78" Tibitoc PCCP P-Wave Inspection

Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K0+623,52	K-0+630,52	7,00	242	3							3-170	PCCP	
K0+630,52	K-0+637,52	7,00	243	3							3-170	PCCP	
K0+637,52	K-0+644,52	7,00	244	3							3-170	PCCP	
K0+644,52	K-0+651,52	7,00	245	3							3-170	PCCP	
K0+651,52	K-0+658,52	7,00	246	3							3-170	PCCP	
K0+658,52	K-0+665,52	7,00	247	3							3-170	PCCP	
K0+665,52	K-0+672,52	7,00	248	3							3-170	PCCP	
K0+672,52	K-0+679,52	7,00	249	4	5	Anomaly may be due to structural causes other than wire damage			5		3-170	PCCP	
K0+679,52	K-0+686,52	7,00	250	4							3-170	PCCP	
K0+686,52	K-0+693,52	7,00	251	4							3-170	PCCP	
K0+693,52	K-0+701,77	7,00	252	4							3-170	PCCP	
K0+701,77	K-0+708,77	7,00	253	4							3-170	PCCP	
K0+708,77	K-0+715,77	7,00	254	4							3-170	PCCP	
K0+715,77	K-0+722,77	7,00	255	4							3-170	PCCP	
K0+722,77	K-0+729,77	7,00	256	4	5				5		3-170	PCCP	
K0+729,77	K-0+736,77	7,00	257	4							3-170	PCCP	
K0+736,77	K-0+743,77	7,00	258	4							3-170	PCCP	
K0+743,77	K-0+750,77	7,00	259	4							3-170	PCCP	
K0+750,77	K-0+757,77	7,00	260	4							3-170	PCCP	
K0+757,77	K-0+764,77	7,00	261	4							3-170	PCCP	
K0+764,77	K-0+771,77	7,00	262	4							3-170	PCCP	
K0+771,77	K-0+778,77	7,00	263	4							3-170	PCCP	
K0+778,77	K-0+785,77	7,00	264	4							3-170	PCCP	
K0+785,77	K-0+792,77	7,00	265	4							3-170	PCCP	
K0+792,77	K-0+799,76	7,00	266	4							3-170	PCCP	
K0+799,76	K-0+801,01	1,25	266A	4		Drain 10	Drain Ø 16" (#10)					STEEL	
K0+801,01	K-0+808,01	7,00	267	4							3-170	PCCP	
K0+808,01	K-0+815,01	7,00	268	4							3-170	PCCP	
K0+815,01	K-0+822,01	7,00	269	4							3-170	PCCP	
K0+822,01	K-0+829,01	7,00	270	4							3-170	PCCP	
K0+829,01	K-0+836,01	7,00	271	4							3-170	PCCP	
K0+836,01	K-0+843,01	7,00	272	4							3-170	PCCP	
K0+843,01	K-0+850,01	7,00	273	4							3-170	PCCP	
K0+850,01	K-0+857,01	7,00	274	4							3-170	PCCP	
K0+857,01	K-0+864,01	7,00	275	4							3-170	PCCP	
K0+864,01	K-0+871,01	7,00	276	4							3-170	PCCP	
K0+871,01	K-0+878,01	7,00	277	4	5				5		3-170	PCCP	
K0+878,01	K-0+885,01	7,00	278	4							3-170	PCCP	
K0+885,01	K-0+892,01	7,00	279	4							3-170	PCCP	
K0+892,01	K-0+899,01	7,00	280	4							3-170	PCCP	
K0+899,01	K-0+906,01	7,00	281	4							3-170	PCCP	
K0+906,01	K-0+913,01	7,00	282	4							3-170	PCCP	
K0+913,01	K-0+920,01	7,00	283	4							3-170	PCCP	
K0+920,01	K-0+927,01	7,00	284	4							3-170	PCCP	
K0+927,01	K-0+934,01	7,00	285	4							3-170	PCCP	
K0+934,01	K-0+941,01	7,00	286	4							3-170	PCCP	
K0+941,01	K-0+948,01	7,00	287	4							3-170	PCCP	
K0+948,01	K-0+955,01	7,00	288	4							3-170	PCCP	
K0+955,01	K-0+962,01	7,00	289	4							3-170	PCCP	
K0+962,01	K-0+969,01	7,00	290	4							3-170	PCCP	
K0+969,01	K-0+976,01	7,00	291	4							3-170	PCCP	
K0+976,01	K-0+983,01	7,00	292	4							3-170	PCCP	

Bogota Columbia 78" Tibitoc PCCP P-Wave Inspection

Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K0+983,01	K-0+990,01	7,00	293	4							3-170	PCCP	
K0+990,01	K-0+997,01	7,00	294	4							3-170	PCCP	
K0+997,01	K-1+004,01	7,00	295	4							3-170	PCCP	
K1+004,01	K-1+011,01	7,00	296	4							3-170	PCCP	
K1+011,01	K-1+018,01	7,00	297	4							3-170	PCCP	
K1+018,01	K-1+025,01	7,00	298	4							3-170	PCCP	
K1+025,01	K-1+032,01	7,00	299	4							3-170	PCCP	
K1+032,01	K-1+039,01	7,00	300	4							3-170	PCCP	
K1+039,01	K-1+046,01	7,00	301	4							3-170	PCCP	
K1+046,01	K-1+053,01	7,00	302	4							3-170	PCCP	
K1+053,01	K-1+060,01	7,00	303	4							3-170	PCCP	
K1+060,01	K-1+067,01	7,00	304	4							3-170	PCCP	
K1+067,01	K-1+074,01	7,00	305	4							3-170	PCCP	
K1+074,01	K-1+081,01	7,00	306	4							3-170	PCCP	
K1+081,01	K-1+088,01	7,00	307	4							3-170	PCCP	
K1+088,01	K-1+095,01	7,00	308	4							3-170	PCCP	
K1+095,01	K-1+102,01	7,00	309	4							3-170	PCCP	
K1+102,01	K-1+109,01	7,00	310	4							3-170	PCCP	
K1+109,01	K-1+116,01	7,00	311	4							3-170	PCCP	
K1+116,01	K-1+123,01	7,00	312	4							3-170	PCCP	
K1+123,01	K-1+130,01	7,00	313	4							3-170	PCCP	
K1+130,01	K-1+137,01	7,00	314	4							3-170	PCCP	
K1+137,01	K-1+144,01	7,00	315	4							3-170	PCCP	
K1+144,01	K-1+151,01	7,00	316	4							3-170	PCCP	
K1+151,01	K-1+158,01	7,00	317	4							3-170	PCCP	
K1+158,01	K-1+165,01	7,00	318	4							3-170	PCCP	
K1+165,01	K-1+172,01	7,00	319	4							3-170	PCCP	
K1+172,01	K-1+179,01	7,00	320	4							3-170	PCCP	
K1+179,01	K-1+186,01	7,00	321	4							3-170	PCCP	
K1+186,01	K-1+193,01	7,00	322	4							3-170	PCCP	
K1+193,01	K-1+200,01	7,00	323	4							3-170	PCCP	
K1+200,01	K-1+207,01	7,00	324	4							3-170	PCCP	
K1+207,01	K-1+214,01	7,00	325	4							3-170	PCCP	
K1+214,01	K-1+221,01	7,00	326	4							3-170	PCCP	
K1+221,01	K-1+228,01	7,00	327	4							3-170	PCCP	
K1+228,01	K-1+235,01	7,00	328	4							3-170	PCCP	
K1+235,01	K-1+242,01	7,00	329	4							3-170	PCCP	
K1+242,01	K-1+249,01	7,00	330	4							3-170	PCCP	
K1+249,01	K-1+256,01	7,00	331	5							3-170	PCCP	
K1+256,01	K-1+263,01	7,00	332	5							3-170	PCCP	
K1+263,01	K-1+270,01	7,00	333	5							3-170	PCCP	
K1+270,01	K-1+277,01	7,00	334	5							3-170	PCCP	
K1+277,01	K-1+284,01	7,00	335	5							3-170	PCCP	
K1+284,01	K-1+291,01	7,00	336	5							3-170	PCCP	
K1+291,01	K-1+292,26	1,25	336A	5		Manhole 11	Access Point Ø 16" (#11)					STEEL	
K1+292,26	K-1+299,26	7,00	337	5							3-170	PCCP	
K1+299,26	K-1+306,26	7,00	338	5							3-170	PCCP	
K1+306,26	K-1+313,26	7,00	339	5							3-170	PCCP	
K1+313,26	K-1+320,26	7,00	340	5							3-170	PCCP	
K1+320,26	K-1+327,26	7,00	341	5							3-170	PCCP	
K1+327,26	K-1+334,26	7,00	342	5							3-170	PCCP	
K1+334,26	K-1+341,26	7,00	343	5							3-170	PCCP	
K1+341,26	K-1+348,26	7,00	344	5							3-170	PCCP	

Bogota Columbia 78" Tibitoc PCCP P-Wave Inspection

Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K1+348,26	K-1+355,26	7,00	345	5								3-170	PCCP
K1+355,26	K-1+362,26	7,00	346	5								3-170	PCCP
K1+362,26	K-1+369,26	7,00	347	5								3-170	PCCP
K1+369,26	K-1+376,26	7,00	348	5								3-170	PCCP
K1+376,26	K-1+383,26	7,00	349	5								3-170	PCCP
K1+383,26	K-1+390,26	7,00	350	5								3-170	PCCP
K1+390,26	K-1+397,26	7,00	351	5								3-170	PCCP
K1+397,26	K-1+404,26	7,00	352	5	15						15	3-170	PCCP
K1+404,26	K-1+411,26	7,00	353	5								3-170	PCCP
K1+411,26	K-1+418,26	7,00	354	5	5							3-170	PCCP
K1+418,26	K-1+425,26	7,00	355	5					5			3-170	PCCP
K1+425,26	K-1+432,26	7,00	356	5								3-170	PCCP
K1+432,26	K-1+439,26	7,00	357	5								3-170	PCCP
K1+439,26	K-1+446,26	7,00	358	5								3-170	PCCP
K1+446,26	K-1+453,26	7,00	359	5	5				5			3-170	PCCP
K1+453,26	K-1+460,26	7,00	360	5								3-170	PCCP
K1+460,26	K-1+467,26	7,00	361	5								3-170	PCCP
K1+467,26	K-1+474,26	7,00	362	5								3-170	PCCP
K1+474,26	K-1+481,26	7,00	363	5								3-170	PCCP
K1+481,26	K-1+488,26	7,00	364	5								3-170	PCCP
K1+488,26	K-1+495,26	7,00	365	5								3-170	PCCP
K1+495,26	K-1+502,26	7,00	366	5								3-170	PCCP
K1+502,26	K-1+509,26	7,00	367	5								3-170	PCCP
K1+509,26	K-1+516,26	7,00	368	5								3-170	PCCP
K1+516,26	K-1+523,26	7,00	369	5								3-170	PCCP
K1+523,26	K-1+530,26	7,00	370	5								3-170	PCCP
K1+530,26	K-1+537,26	7,00	371	5								3-170	PCCP
K1+537,26	K-1+544,26	7,00	372	5								3-170	PCCP
K1+544,26	K-1+551,26	7,00	373	5								3-170	PCCP
K1+551,26	K-1+558,26	7,00	374	5								3-170	PCCP
K1+558,26	K-1+565,26	7,00	375	5								3-170	PCCP
K1+565,26	K-1+572,26	7,00	376	5								3-170	PCCP
K1+572,26	K-1+579,26	7,00	377	5								3-170	PCCP
K1+579,26	K-1+586,26	7,00	378	5								3-170	PCCP
K1+586,26	K-1+593,26	7,00	379	5								3-170	PCCP
K1+593,26	K-1+600,26	7,00	380	5								3-170	PCCP
K1+600,26	K-1+607,26	7,00	381	5								3-170	PCCP
K1+607,26	K-1+614,26	7,00	382	5		Vent 12	Air Valve Ø 8" (#12)					3-170	PCCP
K1+614,26	K-1+621,26	7,00	383	5								3-170	PCCP
K1+621,26	K-1+628,26	7,00	384	5								3-170	PCCP
K1+628,26	K-1+635,26	7,00	385	5								3-170	PCCP
K1+635,26	K-1+642,26	7,00	386	5								3-170	PCCP
K1+642,26	K-1+649,26	7,00	387	5								3-170	PCCP
K1+649,26	K-1+656,26	7,00	388	5								3-170	PCCP
K1+656,26	K-1+663,26	7,00	389	5								3-170	PCCP
K1+663,26	K-1+670,26	7,00	390	5								3-170	PCCP
K1+670,26	K-1+677,26	7,00	391	5								3-170	PCCP
K1+677,26	K-1+684,26	7,00	392	5								3-170	PCCP
K1+684,26	K-1+691,26	7,00	393	5								3-170	PCCP
K1+691,26	K-1+698,26	7,00	394	5								3-170	PCCP
K1+698,26	K-1+705,26	7,00	395	5								3-170	PCCP
K1+705,26	K-1+712,26	7,00	396	5								3-170	PCCP
K1+712,26	K-1+719,26	7,00	397	5								3-170	PCCP

Bogota Columbia 78" Tibitoc PCCP P-Wave Inspection

Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K1+719,26	K-1+726,26	7,00	398	5							3-170	PCCP	
K1+726,26	K-1+733,26	7,00	399	5							3-170	PCCP	
K1+733,26	K-1+740,26	7,00	400	5							3-170	PCCP	
K1+740,26	K-1+747,26	7,00	401	5							3-170	PCCP	
K1+747,26	K-1+754,26	7,00	402	5							3-170	PCCP	
K1+754,26	K-1+761,26	7,00	403	5							3-170	PCCP	
K1+761,26	K-1+768,26	7,00	404	5							3-170	PCCP	
K1+768,26	K-1+775,26	7,00	405	5							3-170	PCCP	
K1+775,26	K-1+782,26	7,00	406	5							3-170	PCCP	
K1+782,26	K-1+789,26	7,00	407	5							3-170	PCCP	
K1+789,26	K-1+796,26	7,00	408	5							3-170	PCCP	
K1+796,26	K-1+803,26	7,00	409	5							3-170	PCCP	
K1+803,26	K-1+810,26	7,00	410	5							3-170	PCCP	
K1+810,26	K-1+817,26	7,00	411	5							3-170	PCCP	
K1+817,26	K-1+824,26	7,00	412	5							3-170	PCCP	
K1+824,26	K-1+831,26	7,00	413	5							3-170	PCCP	
K1+831,26	K-1+838,26	7,00	414	5							3-170	PCCP	
K1+838,26	K-1+845,26	7,00	415	5							3-170	PCCP	
K1+845,26	K-1+852,26	7,00	416	5							3-170	PCCP	
K1+852,26	K-1+859,26	7,00	417	5							3-170	PCCP	
K1+859,26	K-1+866,26	7,00	418	5							3-170	PCCP	
K1+866,26	K-1+873,26	7,00	419	5							3-170	PCCP	
K1+873,26	K-1+880,26	7,00	420	5							3-170	PCCP	
K1+880,26	K-1+887,26	7,00	421	6							3-170	PCCP	
K1+887,26	K-1+894,26	7,00	422	6							3-170	PCCP	
K1+894,26	K-1+901,26	7,00	423	6							3-170	PCCP	
K1+901,26	K-1+908,26	7,00	424	6							3-170	PCCP	
K1+908,26	K-1+915,26	7,00	425	6							3-170	PCCP	
K1+915,26	K-1+922,26	7,00	426	6	5				5		3-170	PCCP	
K1+922,26	K-1+929,26	7,00	427	6							3-170	PCCP	
K1+929,26	K-1+936,26	7,00	428	6	5				5		3-170	PCCP	
K1+936,26	K-1+943,26	7,00	429	6							3-170	PCCP	
K1+943,26	K-1+950,26	7,00	430	6							3-170	PCCP	
K1+950,26	K-1+957,26	7,00	431	6							3-170	PCCP	
K1+957,26	K-1+964,26	7,00	432	6							3-170	PCCP	
K1+964,26	K-1+971,26	7,00	433	6							3-170	PCCP	
K1+971,26	K-1+978,26	7,00	434	6							3-170	PCCP	
K1+978,26	K-1+985,26	7,00	435	6							3-170	PCCP	
K1+985,26	K-1+992,26	7,00	436	6							3-170	PCCP	
K1+992,26	K-1+999,26	7,00	437	6							3-170	PCCP	
K1+999,26	K-2+006,26	7,00	438	6							3-170	PCCP	
K2+006,26	K-2+013,26	7,00	439	6							3-170	PCCP	
K2+013,26	K-2+020,25	7,00	440	6							3-170	PCCP	
K2+020,25	K-2+027,25	7,00	441	6							3-170	PCCP	
K2+027,25	K-2+034,25	7,00	442	6							3-170	PCCP	
K2+034,25	K-2+041,25	7,00	443	6							3-170	PCCP	
K2+041,25	K-2+048,25	7,00	444	6							3-170	PCCP	
K2+048,25	K-2+055,25	7,00	445	6							3-170	PCCP	
K2+055,25	K-2+056,45	1,20	445A	6		MH 13	Access Point Ø 16" with Ø 12" output (#13)					STEEL	
K2+056,45	K-2+063,45	7,00	446	6							3-180	PCCP	
K2+063,45	K-2+070,45	7,00	447	6							3-180	PCCP	
K2+070,45	K-2+077,45	7,00	448	6	50				5	45	3-180	PCCP	
K2+077,45	K-2+084,45	7,00	449	6							3-180	PCCP	

Bogota Columbia 78" Tibitoc PCCP P-Wave Inspection

Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K2+084,45	K-2+091,45	7.00	450	6	35				30		5	3-180	PCCP
K2+091,45	K-2+098,42	7.00	451	6	85				85			3-180	PCCP
K2+098,42	K-2+105,32	6.92	452	6								3-180	PCCP
K2+105,32	K-2+112,30	7.00	453	6								3-180	PCCP
K2+112,30	K-2+119,28	7.00	454	6								3-180	PCCP
K2+119,28	K-2+126,56	7.00	455	6								3-180	PCCP
K2+126,56	K-2+133,24	7.00	456	6	65					65		3-180	PCCP
K2+133,24	K-2+140,24	7.00	457	6								3-180	PCCP
K2+140,24	K-2+147,24	7.00	458	6								3-180	PCCP
K2+147,24	K-2+154,24	7.00	459	6								3-180	PCCP
K2+154,24	K-2+161,24	7.00	460	6	30			30				3-180	PCCP
K2+161,24	K-2+168,24	7.00	461	6	5					5		3-180	PCCP
K2+168,24	K-2+175,24	7.00	462	6								3-180	PCCP
K2+175,24	K-2+182,24	7.00	463	6								3-180	PCCP
K2+182,24	K-2+189,24	7.00	464	6								3-180	PCCP
K2+189,24	K-2+196,24	7.00	465	6	35				30	5		3-180	PCCP
K2+196,24	K-2+203,24	7.00	466	6	110				110			3-180	PCCP
K2+203,24	K-2+210,24	7.00	467	6								3-180	PCCP
K2+210,24	K-2+217,11	6.88	468	6	110				110			3-180	PCCP
K2+217,11	K-2+224,11	7.00	469	6								3-180	PCCP
K2+224,11	K-2+231,11	7.00	470	6								3-180	PCCP
K2+231,11	K-2+238,11	7.00	471	6								3-180	PCCP
K2+238,11	K-2+245,07	7.00	472	6								3-180	PCCP
K2+245,07	K-2+249,07	4.00	473	6								3-180	PCCP
K2+249,07	K-2+252,07	3.00	473A	6			with closing belt					3-180	STEEL
K2+252,07	K-2+259,07	7.00	474	6								3-180	PCCP
K2+259,07	K-2+266,07	7.00	475	6								3-180	PCCP
K2+266,07	K-2+273,07	7.00	476	6								3-180	PCCP
K2+273,07	K-2+280,07	7.00	477	6								3-180	PCCP
K2+280,07	K-2+287,07	7.00	478	6								3-180	PCCP
K2+287,07	K-2+294,07	7.00	479	6								3-180	PCCP
K2+294,07	K-2+301,07	7.00	480	6								3-180	PCCP
K2+301,07	K-2+308,07	7.00	481	6								3-180	PCCP
K2+308,07	K-2+320,50	6.83	482	6								4-180	PCCP
K2+320,50	K-2+321,85	6.99	483	6								4-180	PCCP
K2+321,85	K-2+328,77	6.94	484	6								4-180	PCCP
K2+328,77	K-2+335,75	7.00	485	6								4-180	PCCP
K2+335,75	K-2+342,75	7.00	486	6								4-180	PCCP
K2+342,75	K-2+349,75	7.00	487	6								4-180	PCCP
K2+349,75	K-2+351,00	1.25	487A	6		Drain 14	Drain Ø 16 (#14)						STEEL
K2+351,00	K-2+357,97	7.00	488	6								4-180	PCCP
K2+357,97	K-2+364,94	7.00	489	6								4-180	PCCP
K2+364,94	K-2+371,91	7.00	490	6								4-180	PCCP
K2+371,91	K-2+378,89	7.00	491	6								4-180	PCCP
K2+378,89	K-2+385,71	6.82	492	6								3-180	PCCP
K2+385,71	K-2+392,71	7.00	493	6								3-180	PCCP
K2+392,71	K-2+399,70	7.00	494	6								3-180	PCCP
K2+399,70	K-2+406,70	7.00	495	6								3-180	PCCP
K2+406,70	K-2+413,70	7.00	496	6								3-180	PCCP
K2+413,70	K-2+420,70	7.00	497	6								3-180	PCCP
K2+420,70	K-2+427,70	7.00	498	6								3-180	PCCP
K2+427,70	K-2+434,70	7.00	499	6								3-180	PCCP
K2+434,70	K-2+441,70	7.00	500	6								3-180	PCCP

Bogota Columbia 78" Tibitoc PCCP P-Wave Inspection

Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K2+441,70	K-2+448,70	7,00	501	6								3-180	PCCP
K2+448,70	K-2+455,70	7,00	502	6								3-180	PCCP
K2+455,70	K-2+462,70	7,00	503	6								3-180	PCCP
K2+462,70	K-2+469,70	7,00	504	6								3-180	PCCP
K2+469,70	K-2+476,70	7,00	505	6								3-180	PCCP
K2+476,70	K-2+483,70	7,00	506	7								3-180	PCCP
K2+483,70	K-2+490,70	7,00	507	7								3-180	PCCP
K2+490,70	K-2+497,70	7,00	508	7								3-180	PCCP
K2+497,70	K-2+504,70	7,00	509	7								3-180	PCCP
K2+504,70	K-2+511,70	7,00	510	7								3-180	PCCP
K2+511,70	K-2+518,70	7,00	511	7								3-180	PCCP
K2+518,70	K-2+525,70	7,00	512	7								3-180	PCCP
K2+525,70	K-2+532,70	7,00	513	7								3-180	PCCP
K2+532,70	K-2+539,70	7,00	514	7								3-180	PCCP
K2+539,70	K-2+546,70	7,00	515	7								3-180	PCCP
K2+546,70	K-2+553,70	7,00	516	7								3-180	PCCP
K2+553,70	K-2+560,70	7,00	517	7								3-180	PCCP
K2+560,70	K-2+567,70	7,00	518	7								3-180	PCCP
K2+567,70	K-2+574,70	7,00	519	7								3-180	PCCP
K2+574,70	K-2+581,70	7,00	520	7								3-180	PCCP
K2+581,70	K-2+588,70	7,00	521	7								3-180	PCCP
K2+588,70	K-2+595,70	7,00	522	7								3-180	PCCP
K2+595,70	K-2+602,67	7,00	523	7								3-180	PCCP
K2+602,67	K-2+609,62	7,00	524	7								3-180	PCCP
K2+609,62	K-2+616,62	7,00	525	7								3-180	PCCP
K2+616,62	K-2+623,62	7,00	526	7								3-180	PCCP
K2+623,62	K-2+630,62	7,00	527	7								3-180	PCCP
K2+630,62	K-2+637,62	7,00	528	7	5					5		3-180	PCCP
K2+637,62	K-2+644,35	7,00	529	7								3-180	PCCP
K2+644,35	K-2+651,17	6,82	530	7								3-180	PCCP
K2+651,17	K-2+658,10	6,93	531	7								3-170	PCCP
K2+658,10	K-2+665,10	7,00	532	7								3-170	PCCP
K2+665,10	K-2+672,10	7,00	533	7								3-170	PCCP
K2+672,10	K-2+679,10	7,00	534	7								3-170	PCCP
K2+679,10	K-2+686,10	7,00	535	7								3-170	PCCP
K2+686,10	K-2+693,10	7,00	536	7								3-170	PCCP
K2+693,10	K-2+700,10	7,00	537	7								3-170	PCCP
K2+700,10	K-2+707,10	7,00	538	7								3-170	PCCP
K2+707,10	K-2+714,10	7,00	539	7								3-170	PCCP
K2+714,10	K-2+721,10	7,00	540	7								3-170	PCCP
K2+721,10	K-2+728,10	7,00	541	7								3-170	PCCP
K2+728,10	K-2+735,10	7,00	542	7								3-170	PCCP
K2+735,10	K-2+742,10	7,00	543	7								3-170	PCCP
K2+742,10	K-2+749,10	7,00	544	7								3-170	PCCP
K2+749,10	K-2+756,10	7,00	545	7								3-170	PCCP
K2+756,10	K-2+763,10	7,00	546	7								3-170	PCCP
K2+763,10	K-2+770,10	7,00	547	7								3-170	PCCP
K2+770,10	K-2+777,10	7,00	548	7								3-170	PCCP
K2+777,10	K-2+784,10	7,00	549	7								3-170	PCCP
K2+784,10	K-2+791,10	7,00	550	7								3-170	PCCP
K2+791,10	K-2+798,10	7,00	551	7								3-170	PCCP
K2+798,10	K-2+805,10	7,00	552	7								3-170	PCCP
K2+805,10	K-2+812,10	7,00	553	7								3-170	PCCP
K2+812,10	K-2+819,10	7,00	554	7								3-170	PCCP

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Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K2+819,10	K-2+826,10	7,00	555	7								3-170	PCCP
K2+826,10	K-2+833,10	7,00	556	7								3-170	PCCP
K2+833,10	K-2+840,10	7,00	557	7								3-170	PCCP
K2+840,10	K-2+847,10	7,00	558	7								3-170	PCCP
K2+847,10	K-2+854,10	7,00	559	7								3-170	PCCP
K2+854,10	K-2+861,10	7,00	560	7								3-170	PCCP
K2+861,10	K-2+868,10	7,00	561	7								3-170	PCCP
K2+868,10	K-2+875,04	6,95	562	7								3-170	PCCP
K2+875,04	K-2+882,04	7,00	563	7								3-170	PCCP
K2+882,04	K-2+889,04	7,00	564	7								3-170	PCCP
K2+889,04	K-2+896,04	7,00	565	7								3-170	PCCP
K2+896,04	K-2+903,04	7,00	566	7								3-170	PCCP
K2+903,04	K-2+910,04	7,00	567	7								3-170	PCCP
K2+910,04	K-2+917,04	7,00	568	7	20			5		15		3-170	PCCP
K2+917,04	K-2+924,04	7,00	569	7								3-170	PCCP
K2+924,04	K-2+931,04	7,00	570	7								3-170	PCCP
K2+931,04	K-2+938,04	7,00	571	7								3-170	PCCP
K2+938,04	K-2+945,04	7,00	572	7								3-170	PCCP
K2+945,04	K-2+952,04	7,00	573	7								3-170	PCCP
K2+952,04	K-2+953,29	1,25	573A	7		Manhole 15	Access Point Ø 16" (#15)					3-170	STEEL
K2+953,29	K-2+960,29	7,00	574	7								3-170	PCCP
K2+960,29	K-2+967,29	7,00	575	7								3-170	PCCP
K2+967,29	K-2+974,29	7,00	576	7								3-170	PCCP
K2+974,29	K-2+981,29	7,00	577	7								3-170	PCCP
K2+981,29	K-2+988,29	7,00	578	7								3-170	PCCP
K2+988,29	K-2+995,29	7,00	579	7								3-170	PCCP
K2+995,29	K-3+002,29	7,00	580	7								3-170	PCCP
K3+002,29	K-3+009,29	7,00	581	7	15					15		3-170	PCCP
K3+009,29	K-3+016,29	7,00	582	7								3-170	PCCP
K3+016,29	K-3+023,29	7,00	583	7								3-170	PCCP
K3+023,29	K-3+030,29	7,00	584	7								3-170	PCCP
K3+030,29	K-3+037,29	7,00	585	7								3-170	PCCP
K3+037,29	K-3+044,29	7,00	586	7								3-170	PCCP
K3+044,29	K-3+051,29	7,00	587	7								3-170	PCCP
K3+051,29	K-3+058,29	7,00	588	7								3-170	PCCP
K3+058,29	K-3+065,29	7,00	589	7								3-170	PCCP
K3+065,29	K-3+072,29	7,00	590	7								3-170	PCCP
K3+072,29	K-3+079,29	7,00	591	7	5			5				3-170	PCCP
K3+079,29	K-3+086,29	7,00	592	8								3-170	PCCP
K3+086,29	K-3+093,29	7,00	593	8								3-170	PCCP
K3+093,29	K-3+100,29	7,00	594	8								3-170	PCCP
K3+100,29	K-3+107,29	7,00	595	8								3-170	PCCP
K3+107,29	K-3+114,29	7,00	596	8								3-170	PCCP
K3+114,29	K-3+121,29	7,00	597	8								3-170	PCCP
K3+121,29	K-3+128,29	7,00	598	8								3-170	PCCP
K3+128,29	K-3+135,29	7,00	599	8	5						5	3-170	PCCP
K3+135,29	K-3+142,29	7,00	600	8								3-170	PCCP
K3+142,29	K-3+149,29	7,00	601	8	110	may be due to two regions of wire damage				110		3-170	PCCP
K3+149,29	K-3+156,29	7,00	602	8								3-170	PCCP
K3+156,29	K-3+163,29	7,00	603	8	5						5	3-170	PCCP
K3+163,29	K-3+170,29	7,00	604	8	45							3-170	PCCP
K3+170,29	K-3+177,29	7,00	605	8	130					60	45	3-170	PCCP
K3+177,29	K-3+184,29	7,00	606	8						70		3-170	PCCP

Bogota Columbia 78" Tibitoc PCCP P-Wave Inspection

Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K3+184,29	K-3+191,29	7,00	607	8								3-170	PCCP
K3+191,29	K-3+198,29	7,00	608	8								3-170	PCCP
K3+198,29	K-3+205,29	7,00	609	8	5						5	3-170	PCCP
K3+205,29	K-3+212,29	7,00	610	8								3-170	PCCP
K3+212,29	K-3+219,29	7,00	611	8	190	may be due to scattered breaks		190				3-170	PCCP
K3+219,29	K-3+226,29	7,00	612	8	125	may be due to scattered breaks		125				3-170	PCCP
K3+226,29	K-3+233,29	7,00	613	8								3-170	PCCP
K3+233,29	K-3+240,29	7,00	614	8								3-170	PCCP
K3+240,29	K-3+247,29	7,00	615	8	90			85	5			3-170	PCCP
K3+247,29	K-3+254,29	7,00	616	8								3-170	PCCP
K3+254,29	K-3+261,29	7,00	617	8								3-170	PCCP
K3+261,29	K-3+268,29	7,00	618	8								3-170	PCCP
K3+268,29	K-3+275,29	7,00	619	8								3-170	PCCP
K3+275,29	K-3+282,29	7,00	620	8								3-170	PCCP
K3+282,29	K-3+289,29	7,00	621	8								3-170	PCCP
K3+289,29	K-3+296,29	7,00	622	8	100						100	3-170	PCCP
K3+296,29	K-3+303,29	7,00	623	8								3-170	PCCP
K3+303,29	K-3+310,29	7,00	624	8								3-170	PCCP
K3+310,29	K-3+317,29	7,00	625	8								3-170	PCCP
K3+317,29	K-3+324,29	7,00	626	8								3-170	PCCP
K3+324,29	K-3+331,29	7,00	627	8	30						30	3-170	PCCP
K3+331,29	K-3+338,29	7,00	628	8								3-170	PCCP
K3+338,29	K-3+345,29	7,00	629	8								3-170	PCCP
K3+345,29	K-3+352,29	7,00	630	8								3-170	PCCP
K3+352,29	K-3+359,29	7,00	631	8								3-170	PCCP
K3+359,29	K-3+366,29	7,00	632	8								3-170	PCCP
K3+366,29	K-3+373,29	7,00	633	8	5						5	3-170	PCCP
K3+373,29	K-3+380,29	7,00	634	8								3-170	PCCP
K3+380,29	K-3+387,29	7,00	635	8								3-170	PCCP
K3+387,29	K-3+394,29	7,00	636	8								3-170	PCCP
K3+394,29	K-3+401,29	7,00	637	8								3-170	PCCP
K3+401,29	K-3+408,29	7,00	638	8								3-170	PCCP
K3+408,29	K-3+415,29	7,00	639	8								3-170	PCCP
K3+415,29	K-3+422,29	7,00	640	8	10			10				3-170	PCCP
K3+422,29	K-3+429,29	7,00	641	8								3-170	PCCP
K3+429,29	K-3+436,29	7,00	642	8								3-170	PCCP
K3+436,29	K-3+443,29	7,00	643	8	5						5	3-170	PCCP
K3+443,29	K-3+450,29	7,00	644	8								3-170	PCCP
K3+450,29	K-3+457,29	7,00	645	8								3-170	PCCP
K3+457,29	K-3+464,29	7,00	646	8	80	may be due to scattered breaks		20	55	5		3-170	PCCP
K3+464,29	K-3+471,29	7,00	647	8								3-170	PCCP
K3+471,29	K-3+478,29	7,00	648	8								3-170	PCCP
K3+478,29	K-3+485,29	7,00	649	8								3-170	PCCP
K3+485,29	K-3+492,29	7,00	650	8								3-170	PCCP
K3+492,29	K-3+499,29	7,00	651	8								3-170	PCCP
K3+499,29	K-3+506,29	7,00	652	8	220			110	110			3-170	PCCP
K3+506,29	K-3+513,29	7,00	653	8								3-170	PCCP
K3+513,29	K-3+520,29	7,00	654	8								3-170	PCCP
K3+520,29	K-3+527,29	7,00	655	8								3-170	PCCP
K3+527,29	K-3+534,29	7,00	656	8								3-170	PCCP
K3+534,29	K-3+541,29	7,00	657	8								3-170	PCCP
K3+541,29	K-3+548,29	7,00	658	8								3-170	PCCP
K3+548,29	K-3+555,29	7,00	659	8								3-170	PCCP
K3+555,29	K-3+562,29	7,00	660	8								3-170	PCCP

Bogota Columbia 78" Tibitoc PCCP P-Wave Inspection

Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K3+562,29	K3+569,29	7,00	661	8								3-170	PCCP
K3+569,29	K3+576,29	7,00	662	8								3-170	PCCP
K3+576,29	K3+583,29	7,00	663	8								3-170	PCCP
K3+583,29	K3+590,29	7,00	664	8								3-170	PCCP
K3+590,29	K3+597,29	7,00	665	8								3-170	PCCP
K3+597,29	K3+604,29	7,00	666	8								3-170	PCCP
K3+604,29	K3+611,29	7,00	667	8								3-170	PCCP
K3+611,29	K3+618,29	7,00	668	8								3-170	PCCP
K3+618,29	K3+625,29	7,00	669	8								3-170	PCCP
K3+625,29	K3+632,29	7,00	670	8								3-170	PCCP
K3+632,29	K3+639,29	7,00	671	8								3-170	PCCP
K3+639,29	K3+646,29	7,00	672	8								3-170	PCCP
K3+646,29	K3+653,29	7,00	673	8								3-170	PCCP
K3+653,29	K3+660,29	7,00	674	8								3-170	PCCP
K3+660,29	K3+667,29	7,00	675	8								3-170	PCCP
K3+667,29	K3+674,29	7,00	676	8								3-170	PCCP
K3+674,29	K3+681,29	7,00	677	9								3-170	PCCP
K3+681,29	K3+688,29	7,00	678	9								3-170	PCCP
K3+688,29	K3+695,29	7,00	679	9								3-170	PCCP
K3+695,29	K3+702,29	7,00	680	9								3-170	PCCP
K3+702,29	K3+709,29	7,00	681	9	55						55	3-170	PCCP
K3+709,29	K3+716,29	7,00	682	9								3-170	PCCP
K3+716,29	K3+723,29	7,00	683	9								3-170	PCCP
K3+723,29	K3+730,29	7,00	684	9								3-170	PCCP
K3+730,29	K3+737,29	7,00	685	9								3-170	PCCP
K3+737,29	K3+744,29	7,00	686	9	5			5				3-170	PCCP
K3+744,29	K3+751,29	7,00	687	9								3-170	PCCP
K3+751,29	K3+758,29	7,00	688	9								3-170	PCCP
K3+758,29	K3+765,29	7,00	689	9								3-170	PCCP
K3+765,29	K3+772,29	7,00	690	9								3-170	PCCP
K3+772,29	K3+779,29	7,00	691	9								3-170	PCCP
K3+779,29	K3+786,29	7,00	692	9								3-170	PCCP
K3+786,29	K3+793,29	7,00	693	9								3-170	PCCP
K3+793,29	K3+800,29	7,00	694	9								3-170	PCCP
K3+800,29	K3+807,29	7,00	695	9								3-170	PCCP
K3+807,29	K3+814,29	7,00	696	9								3-170	PCCP
K3+814,29	K3+821,29	7,00	697	9								3-170	PCCP
K3+821,29	K3+828,29	7,00	698	9								3-170	PCCP
K3+828,29	K3+835,29	7,00	699	9		anomalous joint 699/700						3-170	PCCP
K3+835,29	K3+842,29	7,00	700	9	5						5	3-170	PCCP
K3+842,29	K3+849,29	7,00	701	9								3-170	PCCP
K3+849,29	K3+850,54	1,25	701A	9		Manhole 16	Access Point Ø 16" (#16)					3-170	STEEL
K3+850,54	K3+857,54	7,00	702	9								3-170	PCCP
K3+857,54	K3+864,54	7,00	703	9								3-170	PCCP
K3+864,54	K3+871,54	7,00	704	9								3-170	PCCP
K3+871,54	K3+878,54	7,00	705	9								3-170	PCCP
K3+878,54	K3+885,54	7,00	706	9								3-170	PCCP
K3+885,54	K3+892,54	7,00	707	9								3-170	PCCP
K3+892,54	K3+899,54	7,00	708	9								3-170	PCCP
K3+899,54	K3+906,54	7,00	709	9								3-170	PCCP
K3+906,54	K3+913,54	7,00	710	9								3-170	PCCP
K3+913,54	K3+920,54	7,00	711	9								3-170	PCCP
K3+920,54	K3+927,54	7,00	712	9								3-170	PCCP

Bogota Columbia 78" Tibitoc PCCP P-Wave Inspection

Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K3+927,54	K-3+934,54	7,00	713	9								3-170	PCCP
K3+934,54	K-3+941,54	7,00	714	9								3-170	PCCP
K3+941,54	K-3+948,54	7,00	715	9								3-170	PCCP
K3+948,54	K-3+955,54	7,00	716	9								3-170	PCCP
K3+955,54	K-3+962,54	7,00	717	9								3-170	PCCP
K3+962,54	K-3+969,54	7,00	718	9								3-170	PCCP
K3+969,54	K-3+976,54	7,00	719	9								3-170	PCCP
K3+976,54	K-3+983,54	7,00	720	9								3-170	PCCP
K3+983,54	K-3+990,54	7,00	721	9								3-170	PCCP
K3+990,54	K-3+997,54	7,00	722	9								3-170	PCCP
K3+997,54	K-4+004,54	7,00	723	9								3-170	PCCP
K4+004,54	K-4+011,54	7,00	724	9								3-170	PCCP
K4+011,54	K-4+018,54	7,00	725	9								3-170	PCCP
K4+018,54	K-4+025,54	7,00	726	9								3-170	PCCP
K4+025,54	K-4+032,54	7,00	727	9								3-170	PCCP
K4+032,54	K-4+039,54	7,00	728	9								3-170	PCCP
K4+039,54	K-4+046,54	7,00	729	9								3-170	PCCP
K4+046,54	K-4+053,54	7,00	730	9								3-170	PCCP
K4+053,54	K-4+060,54	7,00	731	9								3-170	PCCP
K4+060,54	K-4+067,54	7,00	732	9								3-170	PCCP
K4+067,54	K-4+074,54	7,00	733	9								3-170	PCCP
K4+074,54	K-4+081,54	7,00	734	9								3-170	PCCP
K4+081,54	K-4+088,54	7,00	735	9								3-170	PCCP
K4+088,54	K-4+095,54	7,00	736	9								3-170	PCCP
K4+095,54	K-4+102,54	7,00	737	9								3-170	PCCP
K4+102,54	K-4+109,54	7,00	738	9		30			30			3-170	PCCP
K4+109,54	K-4+116,54	7,00	739	9								3-170	PCCP
K4+116,54	K-4+123,54	7,00	740	9		5			5			3-170	PCCP
K4+123,54	K-4+130,54	7,00	741	9			repair here on pipe book	Breakage Nº3 (replaced for a Kit on March 15 1982)				3-170	PCCP
K4+130,54	K-4+137,54	7,00	742	9								3-170	PCCP
K4+137,54	K-4+144,54	7,00	743	9			Pwave Inspection finds the repaired pipe here					3-170	PCCP
K4+144,54	K-4+151,54	7,00	744	9								3-170	PCCP
K4+151,54	K-4+158,54	7,00	745	9		125			55	70		3-170	PCCP
K4+158,54	K-4+165,54	7,00	746	9								3-170	PCCP
K4+165,54	K-4+172,54	7,00	747	9								3-170	PCCP
K4+172,54	K-4+179,54	7,00	748	9								3-170	PCCP
K4+179,54	K-4+186,54	7,00	749	9								3-170	PCCP
K4+186,54	K-4+193,54	7,00	750	9								3-170	PCCP
K4+193,54	K-4+200,54	7,00	751	9								3-170	PCCP
K4+200,54	K-4+207,54	7,00	752	9			valve 17 - does not match plan profile, off by one pipe section	Air Valve Ø 8" (#17)				3-170	PCCP
K4+207,54	K-4+214,54	7,00	753	9								3-170	PCCP
K4+214,54	K-4+221,54	7,00	754	9								3-170	PCCP
K4+221,54	K-4+228,54	7,00	755	9								3-170	PCCP
K4+228,54	K-4+235,54	7,00	756	9								3-170	PCCP
K4+235,54	K-4+242,54	7,00	757	9								3-170	PCCP
K4+242,54	K-4+249,54	7,00	758	9								3-170	PCCP
K4+249,54	K-4+256,54	7,00	759	9								3-170	PCCP
K4+256,54	K-4+263,54	7,00	760	9		30					30	3-170	PCCP
K4+263,54	K-4+270,54	7,00	761	9								3-170	PCCP
K4+270,54	K-4+277,54	7,00	762	9		5					5	3-170	PCCP
K4+277,54	K-4+284,54	7,00	763	10		5					5	3-170	PCCP

Bogota Columbia 78" Tibitoc PCCP P-Wave Inspection

Station Start	Station End	Length	Pipe Book Pipe #	Detailed Plan and Profile Page #	Wire Break Equivalent	Pure Notes	Pipe Book Note	Wire Breaks by Quarter				Pipe Class	Material
								1st Quarter	2nd Quarter	3rd Quarter	4th Quarter		
K4+284,54	K4+291,54	7,00	764	10							3-170	PCCP	
K4+291,54	K4+298,54	7,00	765	10							3-170	PCCP	
K4+298,54	K4+305,54	7,00	766	10							3-170	PCCP	
K4+305,54	K4+312,54	7,00	767	10							3-170	PCCP	
K4+312,54	K4+319,54	7,00	768	10							3-170	PCCP	
K4+319,54	K4+326,54	7,00	769	10							3-170	PCCP	
K4+326,54	K4+333,54	7,00	770	10							3-170	PCCP	
K4+333,54	K4+340,54	7,00	771	10							3-170	PCCP	
K4+340,54	K4+347,54	7,00	772	10							3-170	PCCP	
K4+347,54	K4+354,54	7,00	773	10							3-170	PCCP	
K4+354,54	K4+361,54	7,00	774	10							3-170	PCCP	
K4+361,54	K4+368,54	7,00	775	10							3-170	PCCP	
K4+368,54	K4+375,54	7,00	776	10							3-170	PCCP	
K4+375,54	K4+382,54	7,00	777	10							3-170	PCCP	
K4+382,54	K4+389,54	7,00	778	10							3-170	PCCP	
K4+389,54	K4+396,54	7,00	779	10							3-170	PCCP	
K4+396,54	K4+403,54	7,00	780	10							3-170	PCCP	
K4+403,54	K4+410,54	7,00	781	10							3-170	PCCP	
K4+410,54	K4+417,54	7,00	782	10		end p-wave inspection here					3-170	PCCP	
K4+417,54	K-0+000,00	7,00	783	10		valve V-9	Ø 2,00 x 60" with Ø 60" bell output and closing belt					3-170	STEEL
	K-0+000,00	12,87	784	10			Smooth nipple with Ø 60" bridle and Ø 10" bridle output					3-170	STEEL
	K-0+000,00		785	10			1 Valvula de Ø 60" J.B.S						STEEL
	K-0+000,00		786	10			Smooth nipple Ø 60" bridle and Ø 10" bridle output and Ø16" bridle drain						STEEL
	K-0+000,00		787	10			1 Dresser Union Ø 60"						STEEL
K-0+000,00	788		10			1 widening of Ø 2,00 x 60" with smooth-end walkthrough Ø 60" bell Ø 2,00						STEEL	