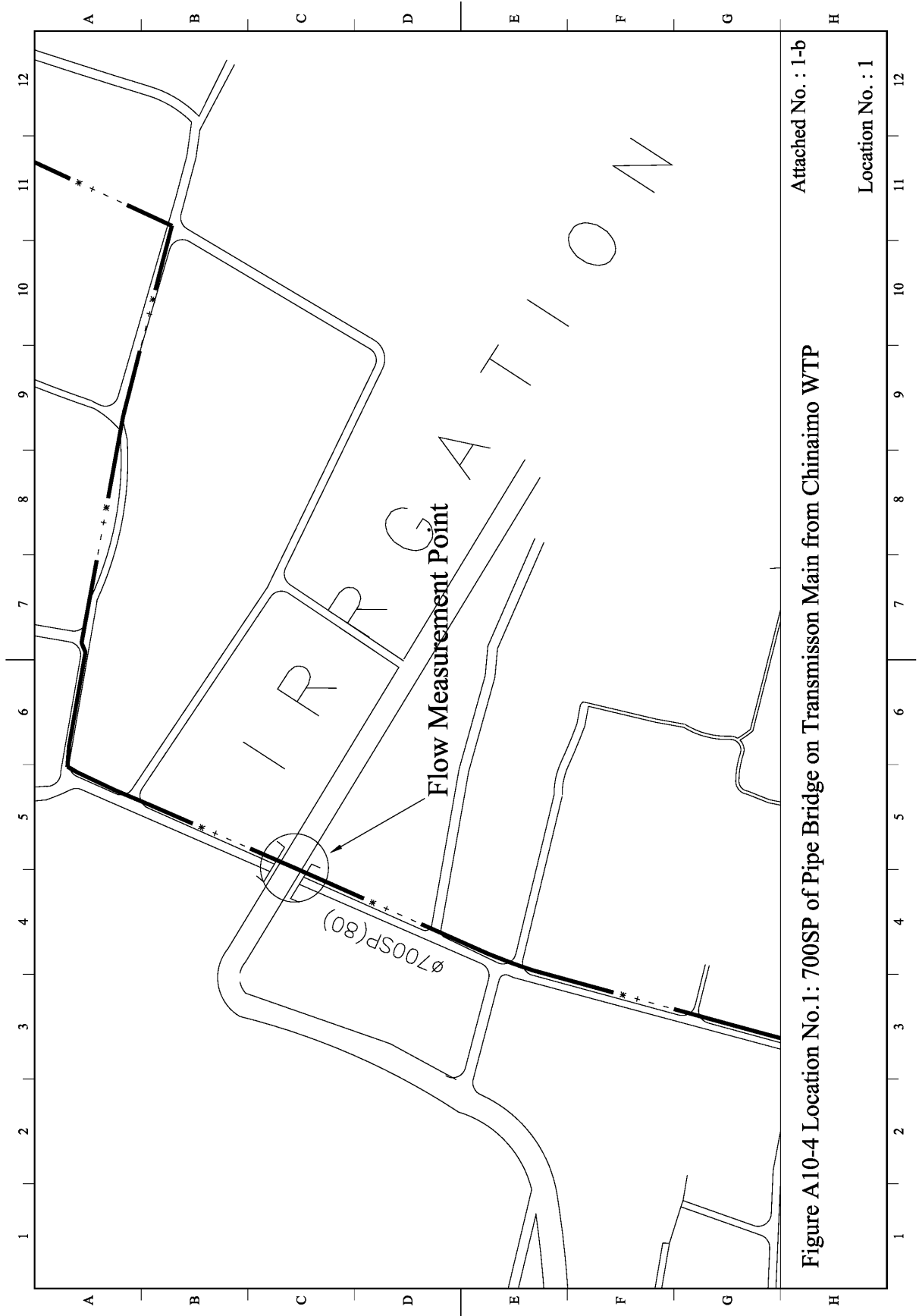


Attached No. : 1-a

Figure A10-3 Location No.1: 700SP of Pipe Bridge on Transmission Main from Chinaimo WTP

Location No. : 1

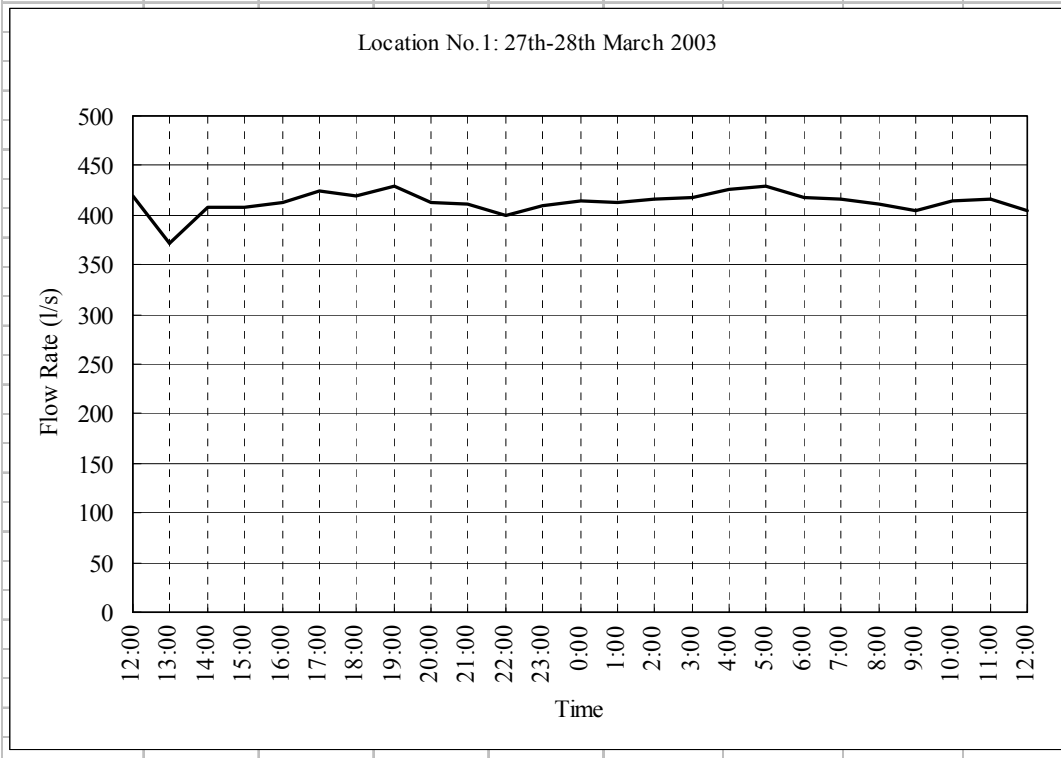


Attached No. : 1-b

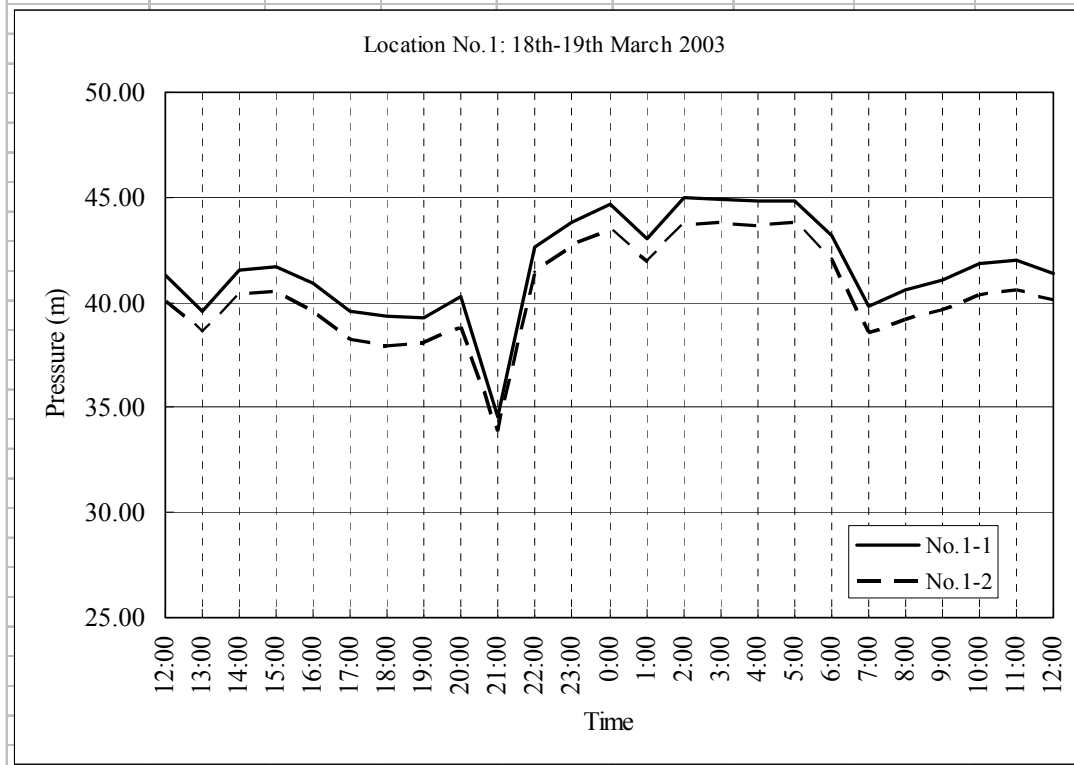
Figure A10-4 Location No.1: 700SP of Pipe Bridge on Transmission Main from Chinaimo WTP

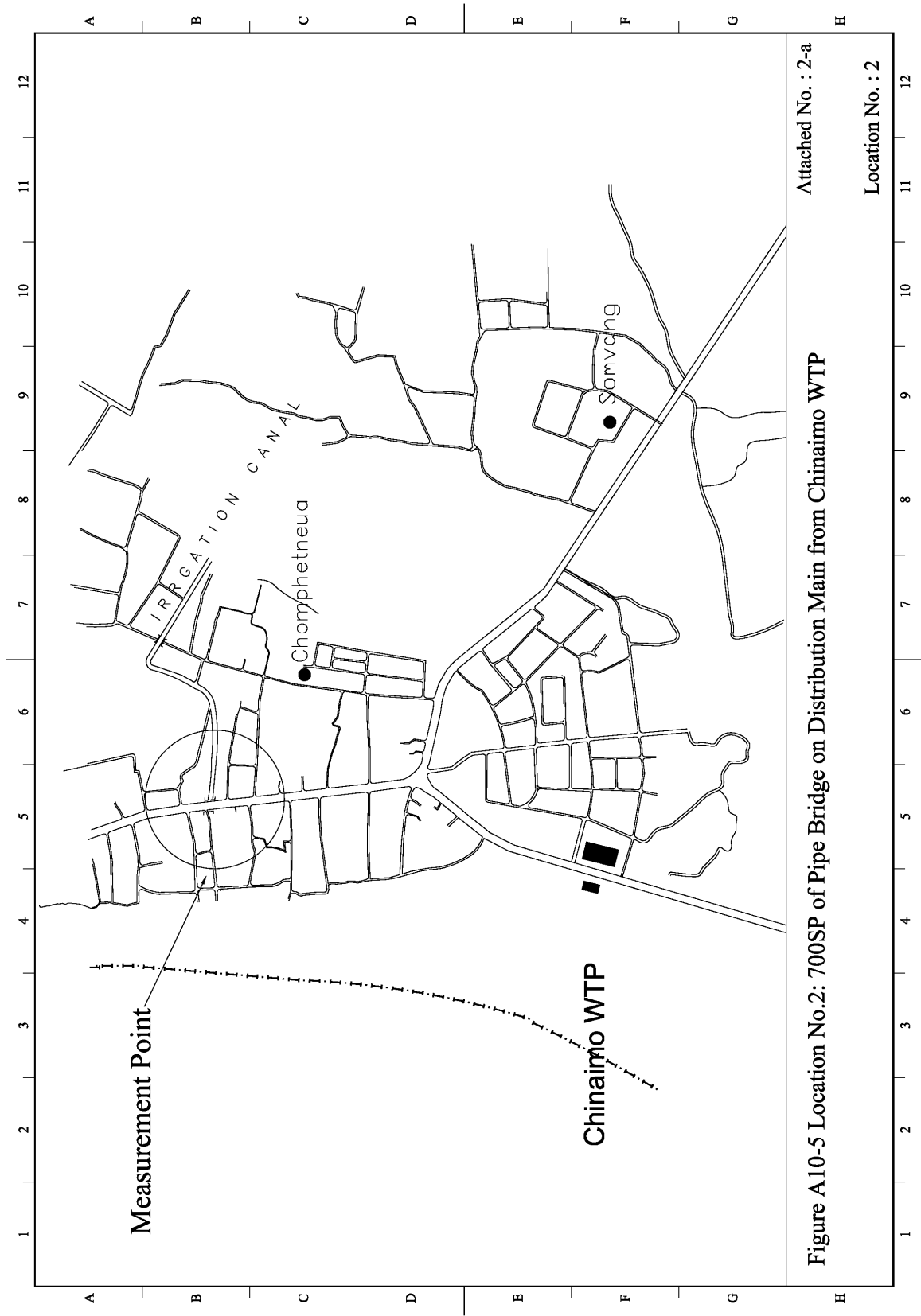
Location No. : 1

No. 01: 700mm Transmission Pipeline from Chinaimo WTP				
START	:03-27 11:50			
END	:03-28 12:10			
Time	m/s	m3/min	m3/h	l/sec
12:00	1.160	25.21	1,513	420.2
13:00	1.026	22.30	1,338	371.7
14:00	1.125	24.46	1,467	407.6
15:00	1.128	24.52	1,471	408.6
16:00	1.141	24.80	1,488	413.4
17:00	1.173	25.49	1,530	424.9
18:00	1.158	25.17	1,510	419.5
19:00	1.186	25.78	1,547	429.7
20:00	1.141	24.80	1,488	413.4
21:00	1.135	24.67	1,480	411.2
22:00	1.102	23.95	1,437	399.2
23:00	1.130	24.56	1,474	409.4
0:00	1.145	24.89	1,493	414.8
1:00	1.140	24.78	1,487	413
2:00	1.149	24.97	1,498	416.2
3:00	1.151	25.02	1,501	417
4:00	1.178	25.61	1,536	426.8
5:00	1.185	25.76	1,545	429.3
6:00	1.155	25.10	1,506	418.4
7:00	1.149	24.97	1,498	416.2
8:00	1.133	24.63	1,478	410.5
9:00	1.116	24.26	1,455	404.3
10:00	1.144	24.86	1,492	414.4
11:00	1.147	24.93	1,496	415.5
12:00	1.117	24.28	1,457	404.7
Total	-		35,700	m3/day



No. 01: 700mm Transmission Pipeline from Chinaimo WTP				
Pressure Measurement				
START	:03-18 11:50			
END	:03-19 12:10			
Time	No.1-1		No.1-2	
	m	kg/cm2	m	kg/cm2
12:00	41.34	4.13	40.08	4.01
13:00	39.60	3.96	38.55	3.86
14:00	41.50	4.15	40.38	4.04
15:00	41.68	4.17	40.50	4.05
16:00	40.93	4.09	39.55	3.96
17:00	39.58	3.96	38.28	3.83
18:00	39.36	3.94	37.91	3.79
19:00	39.28	3.93	38.06	3.81
20:00	40.31	4.03	38.80	3.88
21:00	34.60	3.46	33.86	3.39
22:00	42.64	4.26	41.41	4.14
23:00	43.80	4.38	42.71	4.27
0:00	44.65	4.47	43.50	4.35
1:00	43.06	4.31	41.90	4.19
2:00	44.95	4.50	43.71	4.37
3:00	44.93	4.49	43.84	4.38
4:00	44.85	4.49	43.69	4.37
5:00	44.84	4.48	43.81	4.38
6:00	43.15	4.32	41.99	4.20
7:00	39.85	3.99	38.58	3.86
8:00	40.58	4.06	39.18	3.92
9:00	41.09	4.11	39.68	3.97
10:00	41.84	4.18	40.38	4.04
11:00	41.99	4.20	40.58	4.06
12:00	41.39	4.14	40.10	4.01

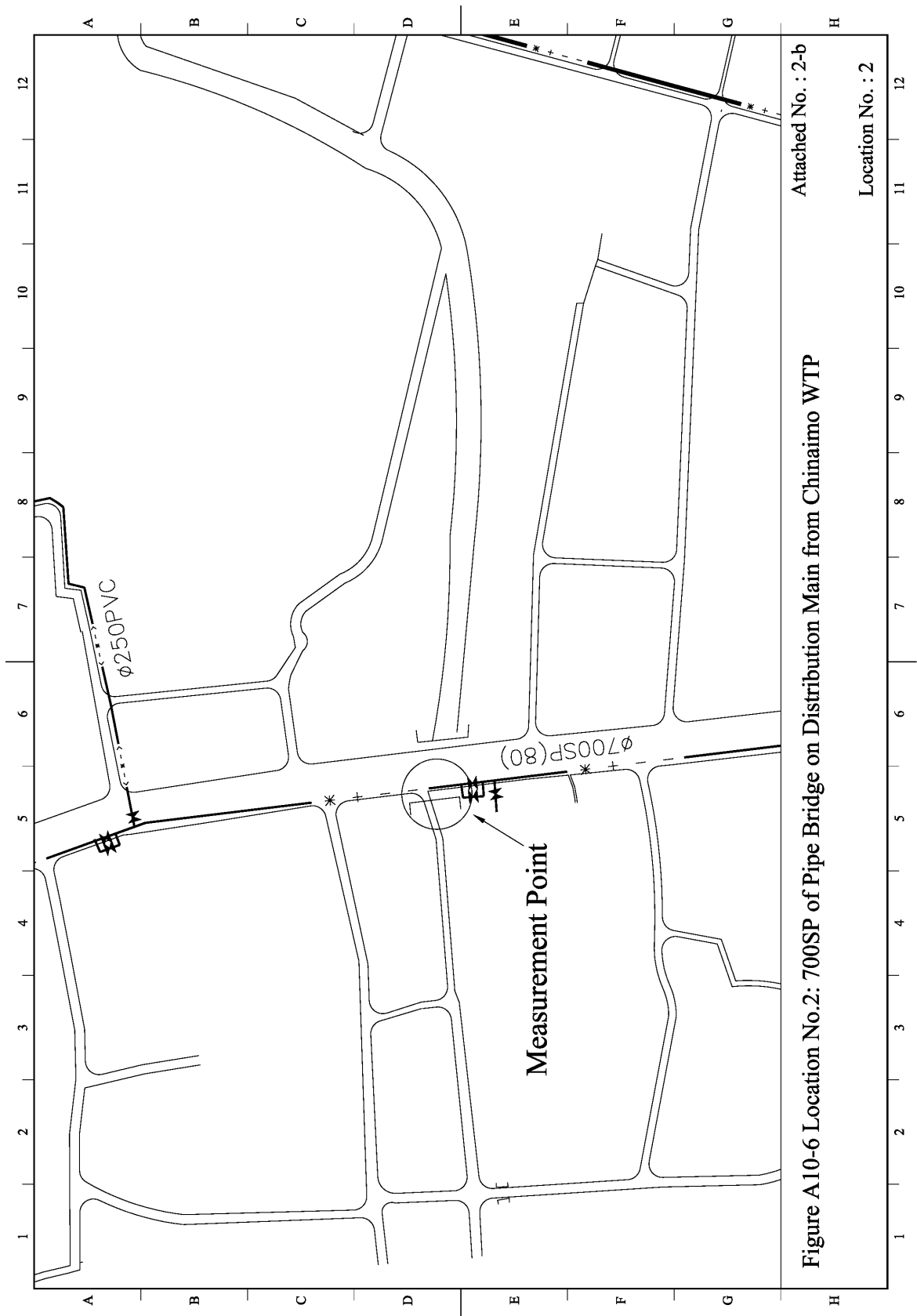




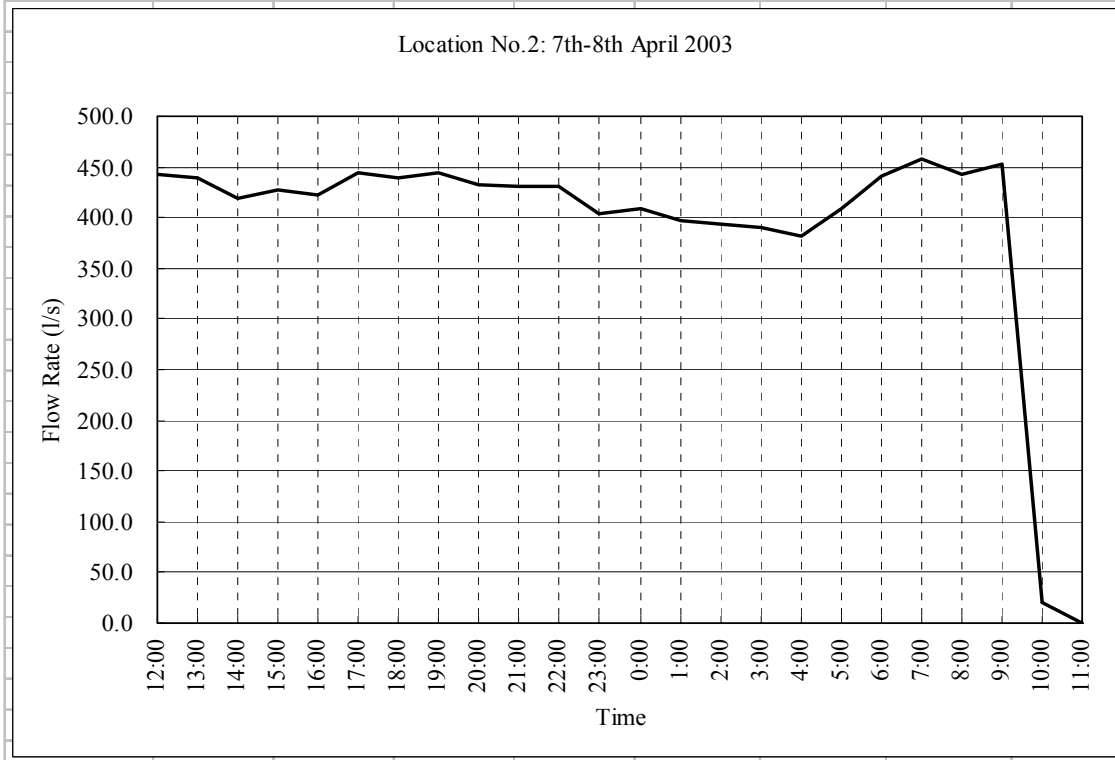
Attached No. : 2-a

Figure A10-5 Location No.2: 700SP of Pipe Bridge on Distribution Main from Chinaimo WTP

Location No. : 2



No. 02: 700mm Distribution Main to the Center of the City				
START :04-07 11:20				
END :04-08 11:40				
Time	m/s	m3/min	m3/h	l/sec
12:00	1.228	26.52	1,591	442.0
13:00	1.220	26.34	1,580	439.0
14:00	1.166	25.18	1,511	419.7
15:00	1.187	25.63	1,538	427.2
16:00	1.175	25.37	1,522	422.8
17:00	1.234	26.65	1,599	444.2
18:00	1.221	26.37	1,582	439.5
19:00	1.235	26.67	1,600	444.5
20:00	1.201	25.93	1,556	432.2
21:00	1.197	25.85	1,551	430.8
22:00	1.197	25.85	1,551	430.8
23:00	1.124	24.27	1,456	404.5
0:00	1.135	24.51	1,471	408.5
1:00	1.101	23.77	1,426	396.2
2:00	1.094	23.62	1,417	393.7
3:00	1.084	23.41	1,405	390.2
4:00	1.060	22.89	1,373	381.5
5:00	1.136	24.53	1,472	408.8
6:00	1.224	26.43	1,586	440.5
7:00	1.272	27.47	1,648	457.8
8:00	1.228	26.52	1,591	442.0
9:00	1.258	27.17	1,630	452.8
10:00	0.058	1.252	0,075	20.9
11:00	0	0	0,000	0.0
Total	-		36,717	m3/day



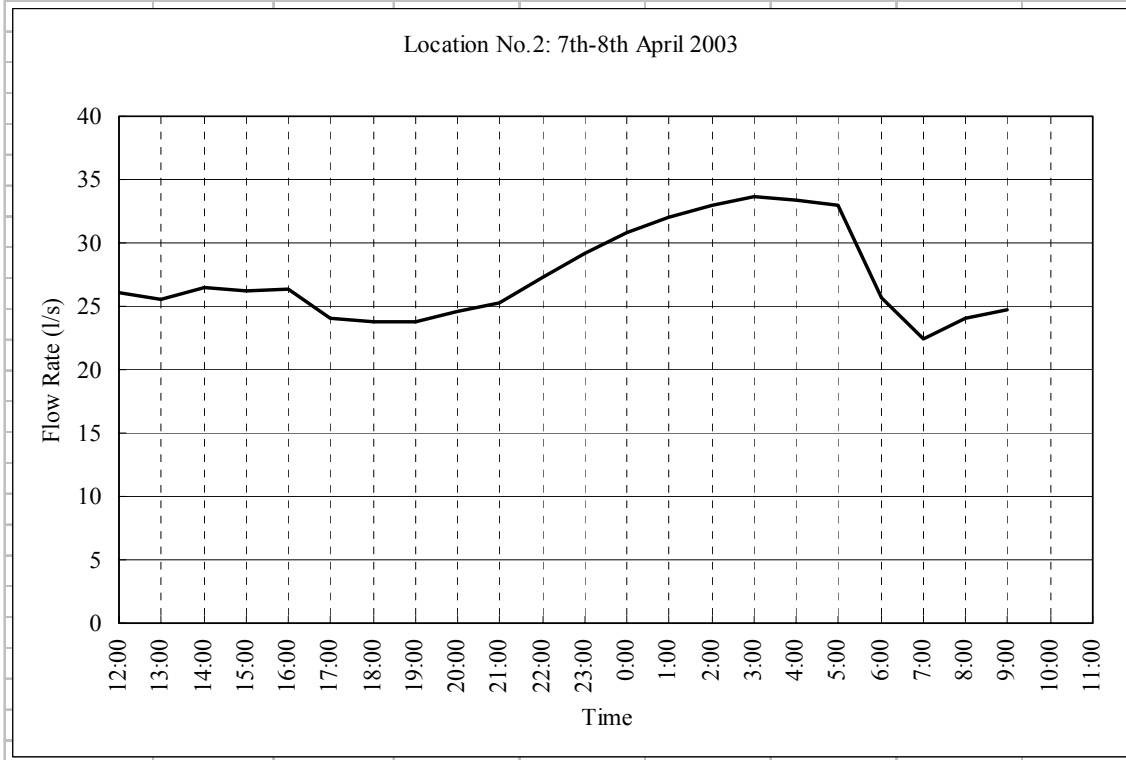
No. 02: 700mm Distribution Main to the Center of the City

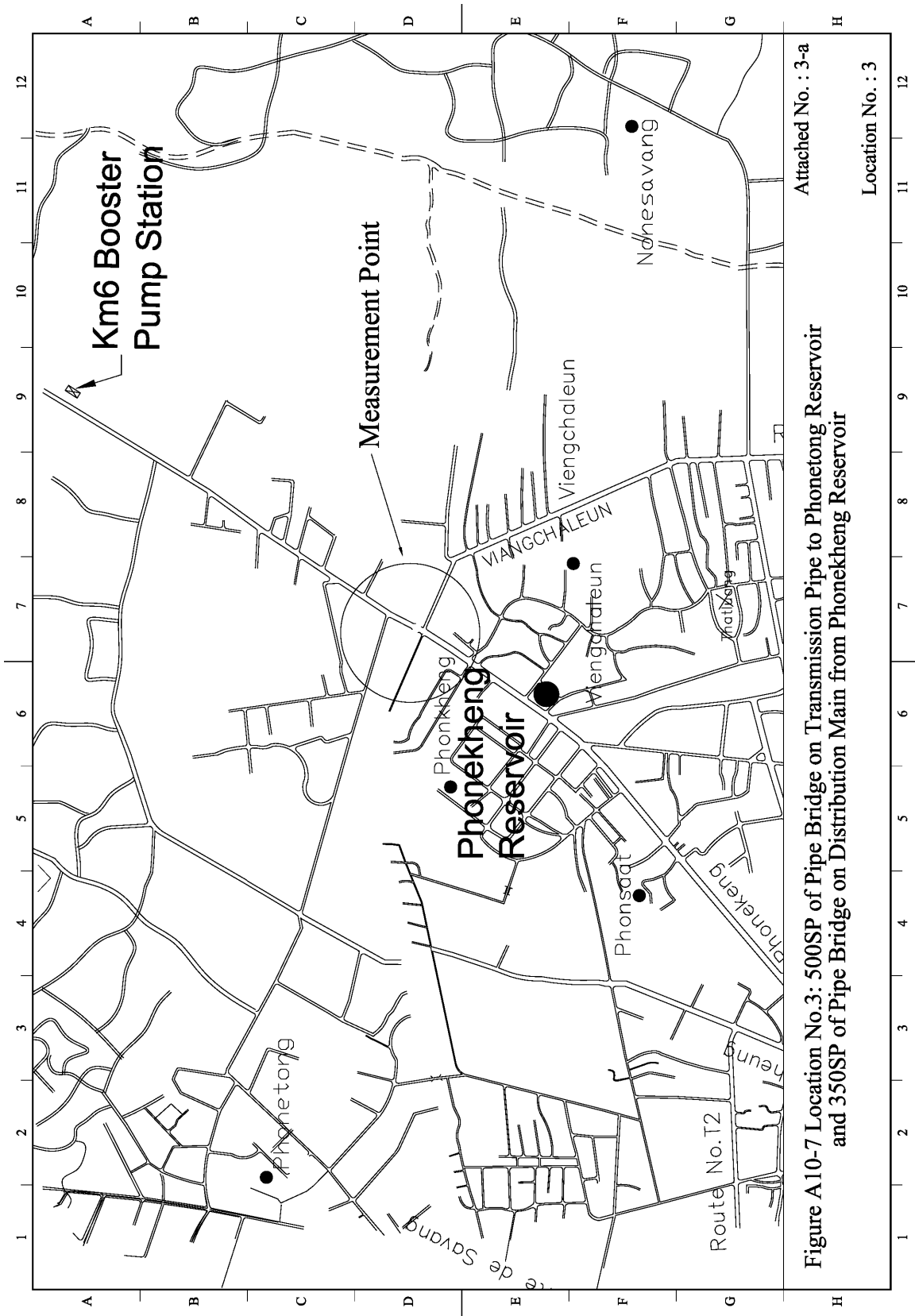
Pressure Measurement

START :04-07 11:20

END :04-08 11:40

Time	m	kg/cm2
12:00	26.13	2.613
13:00	25.51	2.551
14:00	26.54	2.654
15:00	26.21	2.621
16:00	26.34	2.634
17:00	24.05	2.405
18:00	23.73	2.373
19:00	23.8	2.380
20:00	24.58	2.458
21:00	25.28	2.528
22:00	27.31	2.731
23:00	29.19	2.919
0:00	30.81	3.081
1:00	32.01	3.201
2:00	32.93	3.293
3:00	33.59	3.359
4:00	33.39	3.339
5:00	33	3.300
6:00	25.73	2.573
7:00	22.39	2.239
8:00	24.04	2.404
9:00	24.71	2.471
10:00		0.000
11:00		0.000





Attached No. : 3-a
 Location No. : 3

Figure A10-7 Location No.3: 500SP of Pipe Bridge on Transmission Pipe to Phonetong Reservoir and 350SP of Pipe Bridge on Distribution Main from Phonkheung Reservoir

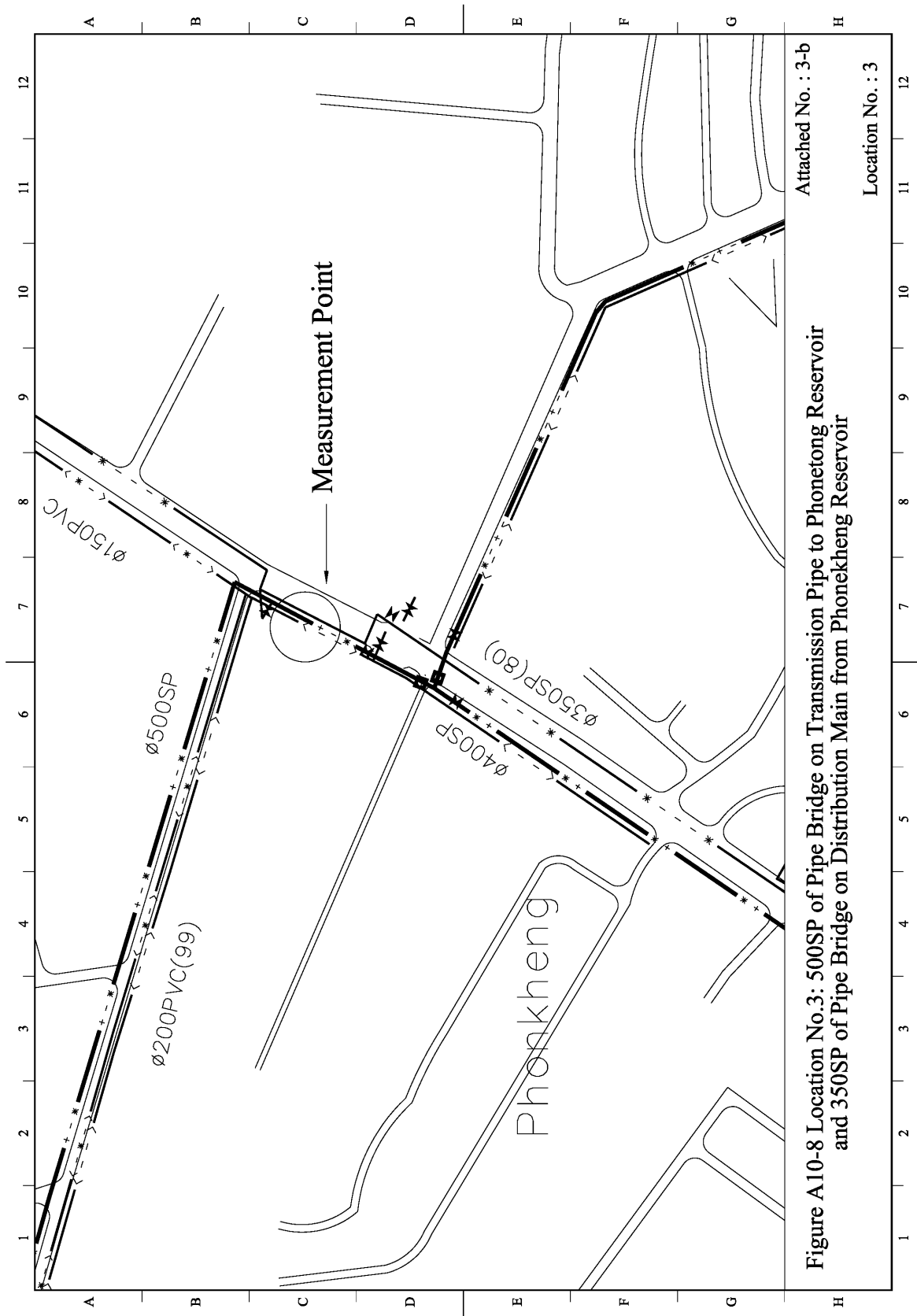
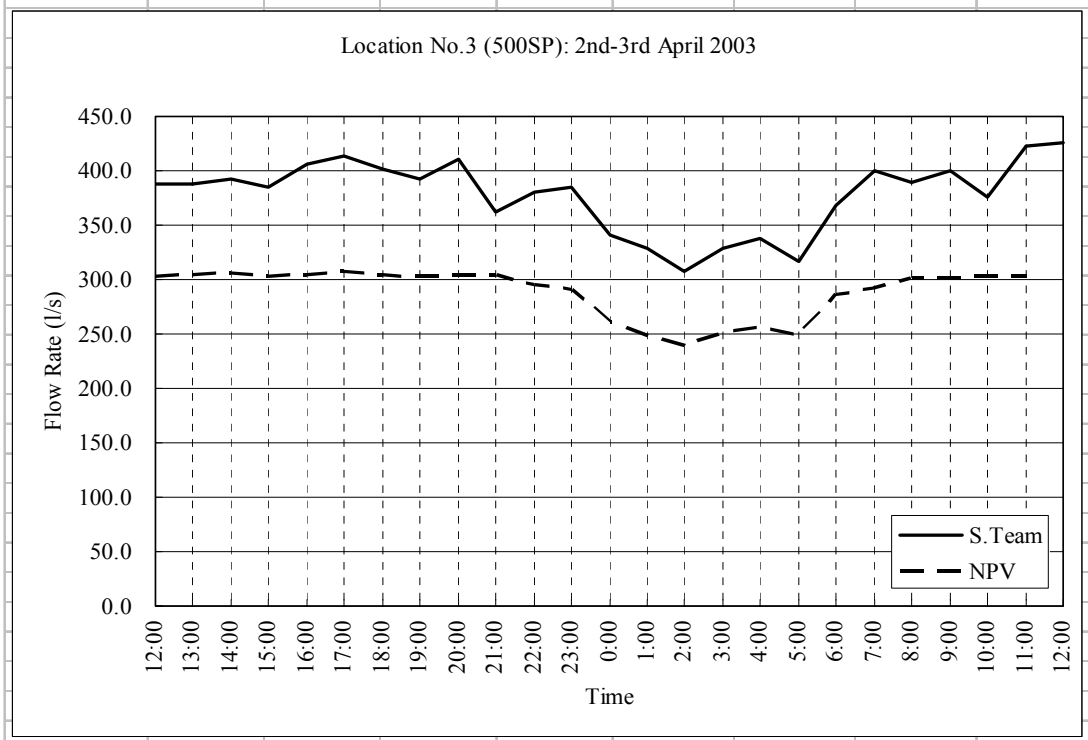


Figure A10-8 Location No.3: 500SP of Pipe Bridge on Transmission Pipe to Phonetong Reservoir and 350SP of Pipe Bridge on Distribution Main from Phonekheng Reservoir

No. 03: 500mm to Phonetong Reservoir							
START :04-02 11:50							
END :04-03 12:10							
Time	Velocity	Flow Meter of Study Team			Flow Meter of NPV		
	m/s	m3/min	m3/h	l/sec	m3/min	m3/h	l/sec
12:00	2.106	23.26	1,396	387.7	18.14	1,088	302.3
13:00	2.104	23.24	1,394	387.3	18.29	1,097	304.8
14:00	2.131	23.54	1,412	392.3	18.33	1,100	305.5
15:00	2.089	23.07	1,384	384.5	18.2	1,092	303.3
16:00	2.204	24.35	1,461	405.8	18.24	1,094	304.0
17:00	2.246	24.81	1,489	413.5	18.43	1,106	307.2
18:00	2.181	24.09	1,445	401.5	18.28	1,097	304.7
19:00	2.135	23.58	1,415	393.0	18.2	1,092	303.3
20:00	2.229	24.62	1,477	410.3	18.23	1,094	303.8
21:00	1.968	21.74	1,304	362.3	18.26	1,096	304.3
22:00	2.070	22.86	1,372	381.0	17.77	1,066	296.2
23:00	2.091	23.10	1,386	385.0	17.42	1,045	290.3
0:00	1.852	20.46	1,228	341.0	15.67	0,940	261.2
1:00	1.788	19.75	1,185	329.2	14.94	0,896	249.0
2:00	1.667	18.41	1,105	306.8	14.4	0,864	240.0
3:00	1.783	19.69	1,181	328.2	15.11	0,907	251.8
4:00	1.836	20.28	1,217	338.0	15.33	0,920	255.5
5:00	1.724	19.04	1,142	317.3	14.9	0,894	248.3
6:00	1.999	22.08	1,325	368.0	17.14	1,028	285.7
7:00	2.176	24.04	1,442	400.7	17.55	1,053	292.5
8:00	2.113	23.34	1,400	389.0	18.09	1,085	301.5
9:00	2.171	23.98	1,439	399.7	18.07	1,084	301.2
10:00	2.045	22.59	1,355	376.5	18.21	1,093	303.5
11:00	2.294	25.34	1,520	422.3	18.22	1,093	303.7
12:00	2.312	25.54	1,532	425.7		0,000	0.0
Total	-		32,648	m3/day		24,925	m3/day

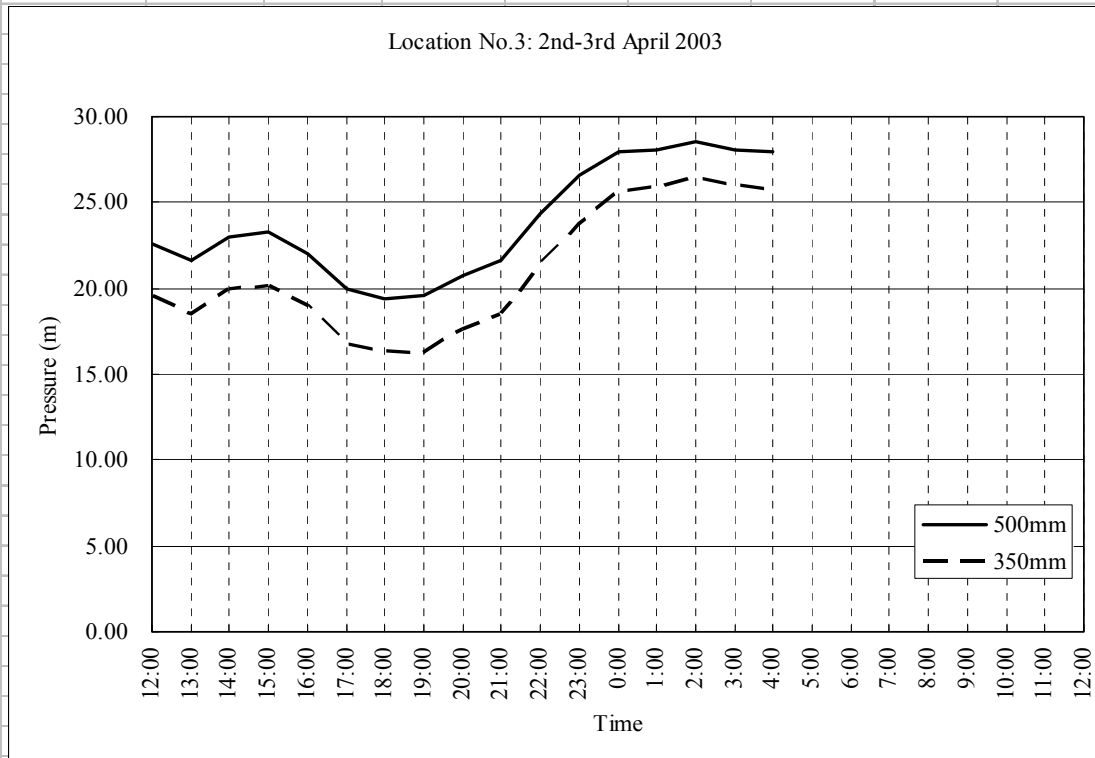


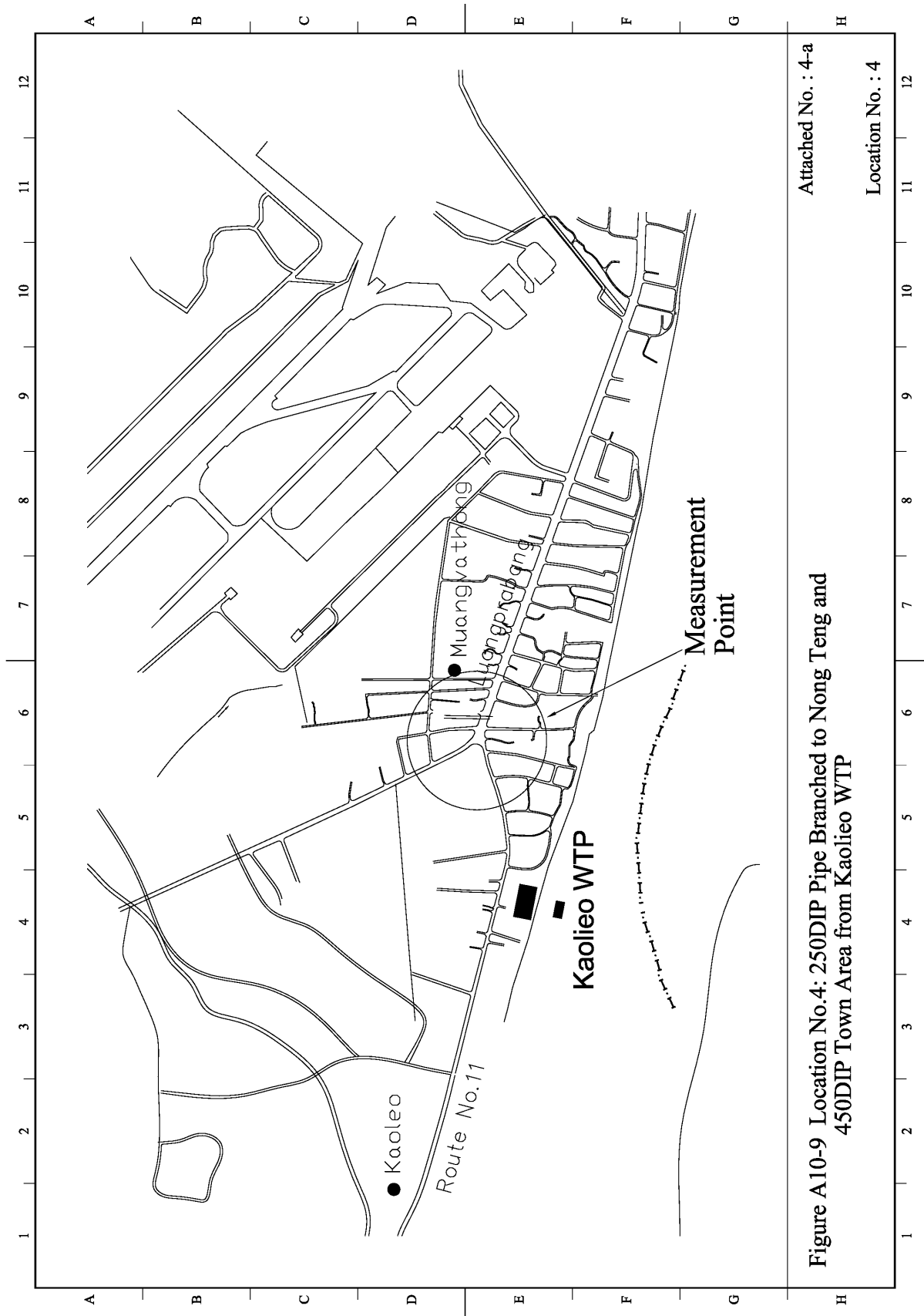
No. 03: Pressure Measurement of Pipelines of 500mm and 350mm

START :04-02 11:50

END :04-03 12:10

Time	500 mm		350mm	
	m	kg/cm2	m	kg/cm2
12:00	22.60	2.260	19.54	1.954
13:00	21.64	2.164	18.54	1.854
14:00	23.01	2.301	20.00	2.000
15:00	23.25	2.325	20.19	2.019
16:00	22.05	2.205	19.04	1.904
17:00	19.96	1.996	16.75	1.675
18:00	19.43	1.943	16.38	1.638
19:00	19.56	1.956	16.31	1.631
20:00	20.78	2.078	17.61	1.761
21:00	21.63	2.163	18.55	1.855
22:00	24.35	2.435	21.34	2.134
23:00	26.56	2.656	23.78	2.378
0:00	27.98	2.798	25.69	2.569
1:00	28.04	2.804	25.88	2.588
2:00	28.50	2.850	26.49	2.649
3:00	28.06	2.806	25.96	2.596
4:00	27.98	2.798	25.83	2.583
5:00				
6:00				
7:00				
8:00				
9:00				
10:00				
11:00				
12:00				





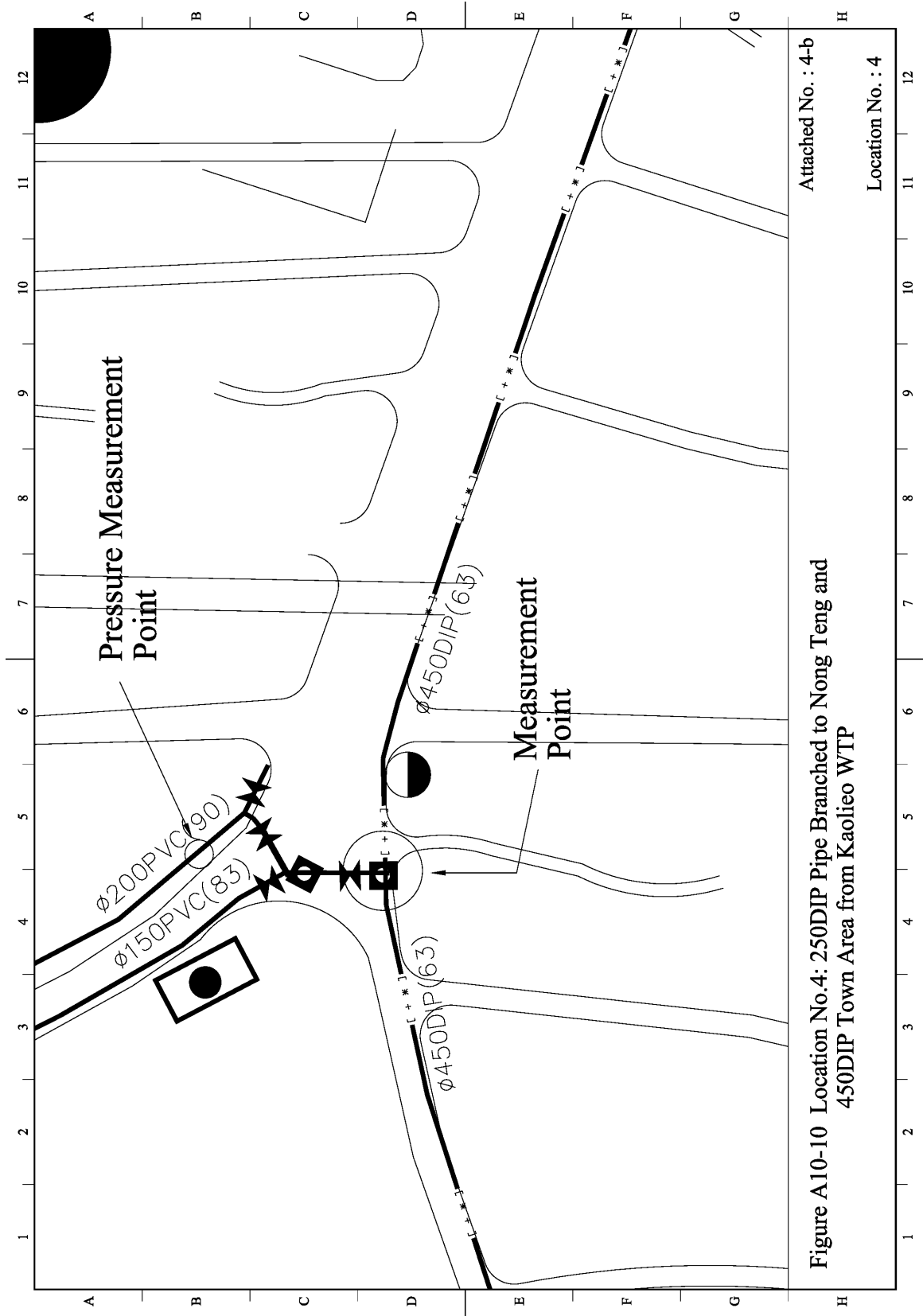
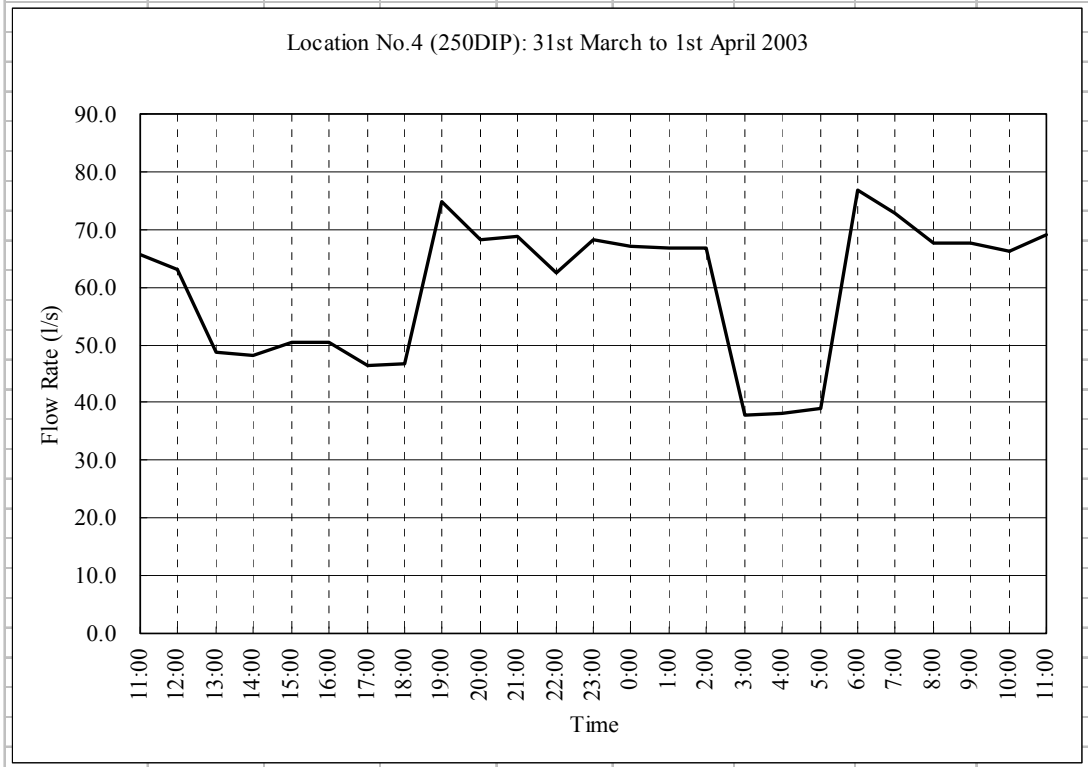


Figure A10-10 Location No.4: 250DIP Pipe Branched to Nong Teng and 450DIP Town Area from Kaolieo WTP

No. 04: 250mm to Nongteng				
START :03-31 10:50				
END :04-01 11:10				
Time	m/s	m3/min	m3/h	l/sec
11:00	1.315	3.95	236.8	65.8
12:00	1.261	3.79	227.1	63.1
13:00	0.976	2.93	175.8	48.8
14:00	0.963	2.89	173.4	48.2
15:00	1.011	3.04	182.1	50.6
16:00	1.006	3.02	181.2	50.3
17:00	0.931	2.79	167.6	46.6
18:00	0.936	2.81	168.5	46.8
19:00	1.494	4.49	269.1	74.8
20:00	1.361	4.09	245.1	68.1
21:00	1.375	4.13	247.6	68.8
22:00	1.251	3.76	225.3	62.6
23:00	1.362	4.09	245.3	68.1
0:00	1.339	4.02	241.1	67.0
1:00	1.335	4.01	240.4	66.8
2:00	1.336	4.01	240.6	66.8
3:00	0.756	2.27	136.1	37.8
4:00	0.764	2.29	137.6	38.2
5:00	0.782	2.35	140.8	39.1
6:00	1.533	4.60	276.1	76.7
7:00	1.455	4.37	262.0	72.8
8:00	1.354	4.06	243.8	67.7
9:00	1.350	4.05	243.1	67.5
10:00	1.326	3.98	238.8	66.3
11:00	1.383	4.15	249.1	69.2
Total	-		5,179	m3/day

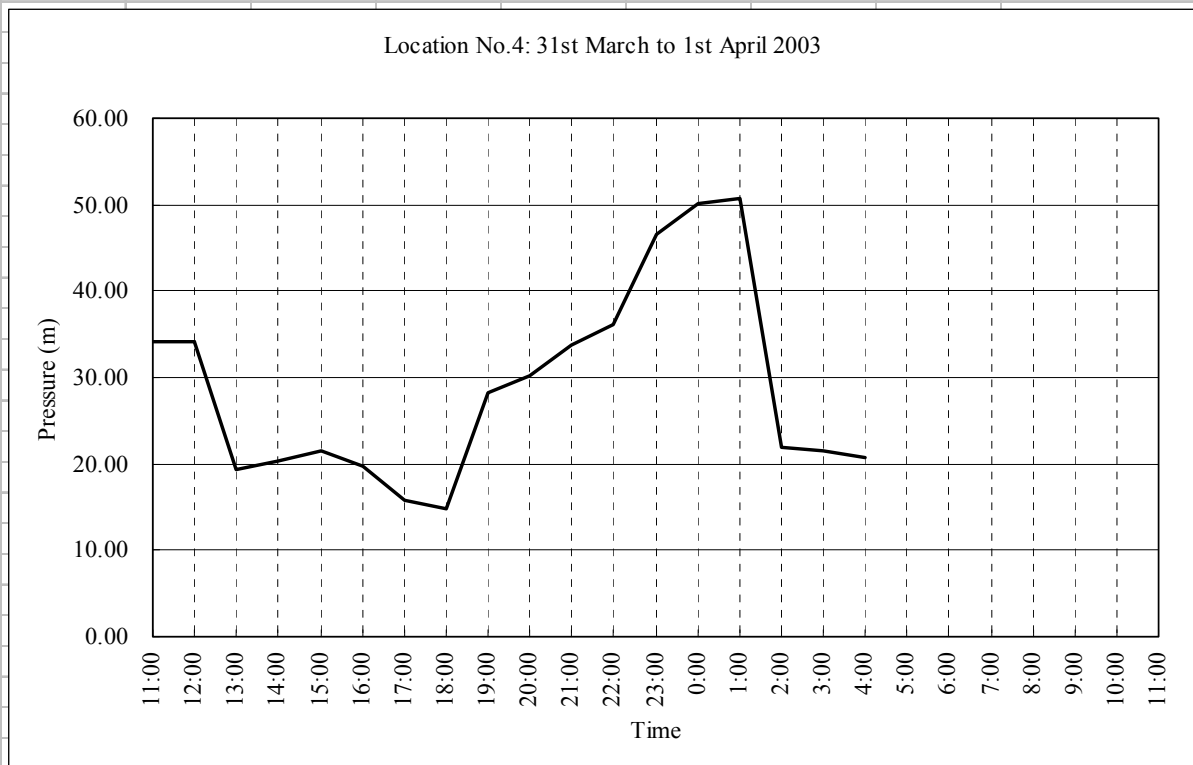


No.4 Measurement of Pressure

START :03-31 10:50

END :04-01 11:10

Time	m	kg/cm2
11:00	34.13	3.413
12:00	34.10	3.410
13:00	19.43	1.943
14:00	20.33	2.033
15:00	21.58	2.158
16:00	19.71	1.971
17:00	15.78	1.578
18:00	14.89	1.489
19:00	28.26	2.826
20:00	30.25	3.025
21:00	33.80	3.380
22:00	36.19	3.619
23:00	46.50	4.650
0:00	50.23	5.023
1:00	50.66	5.066
2:00	21.91	2.191
3:00	21.50	2.150
4:00	20.73	2.073
5:00		
6:00		
7:00		
8:00		
9:00		
10:00		
11:00		

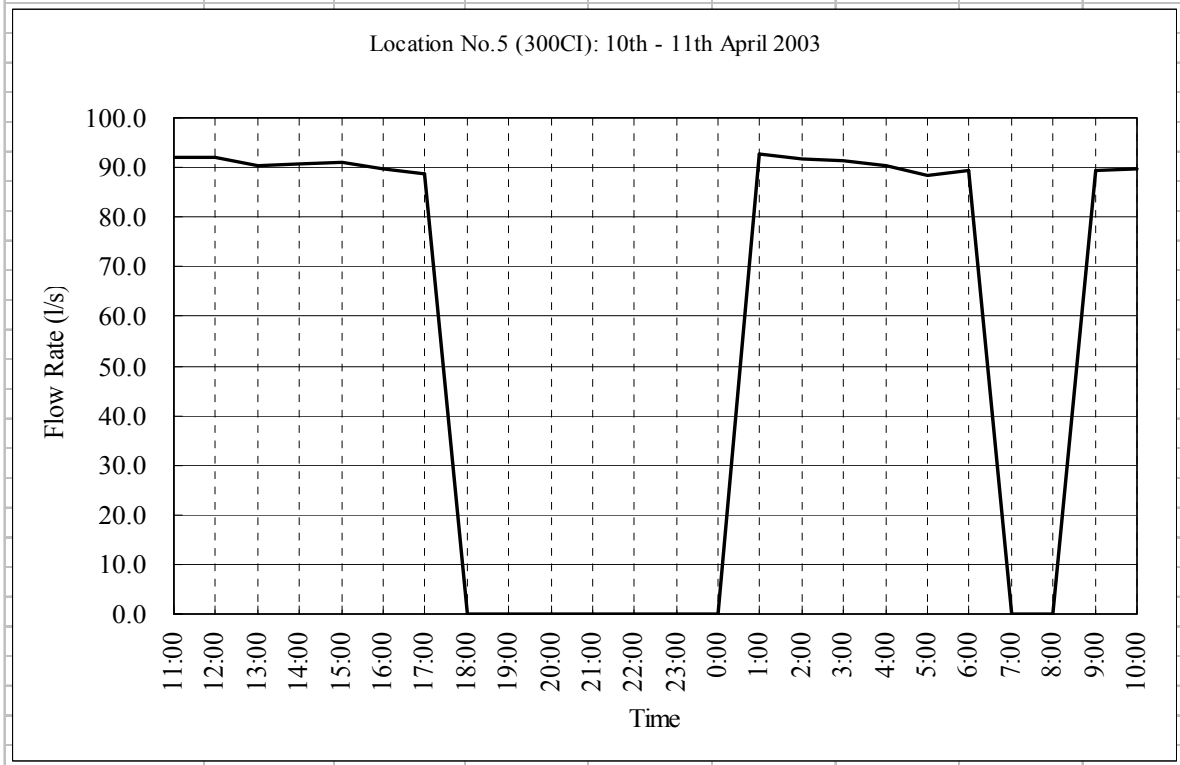


N0.5 300mm to Salakham Reservoir from Chinaimo WTP

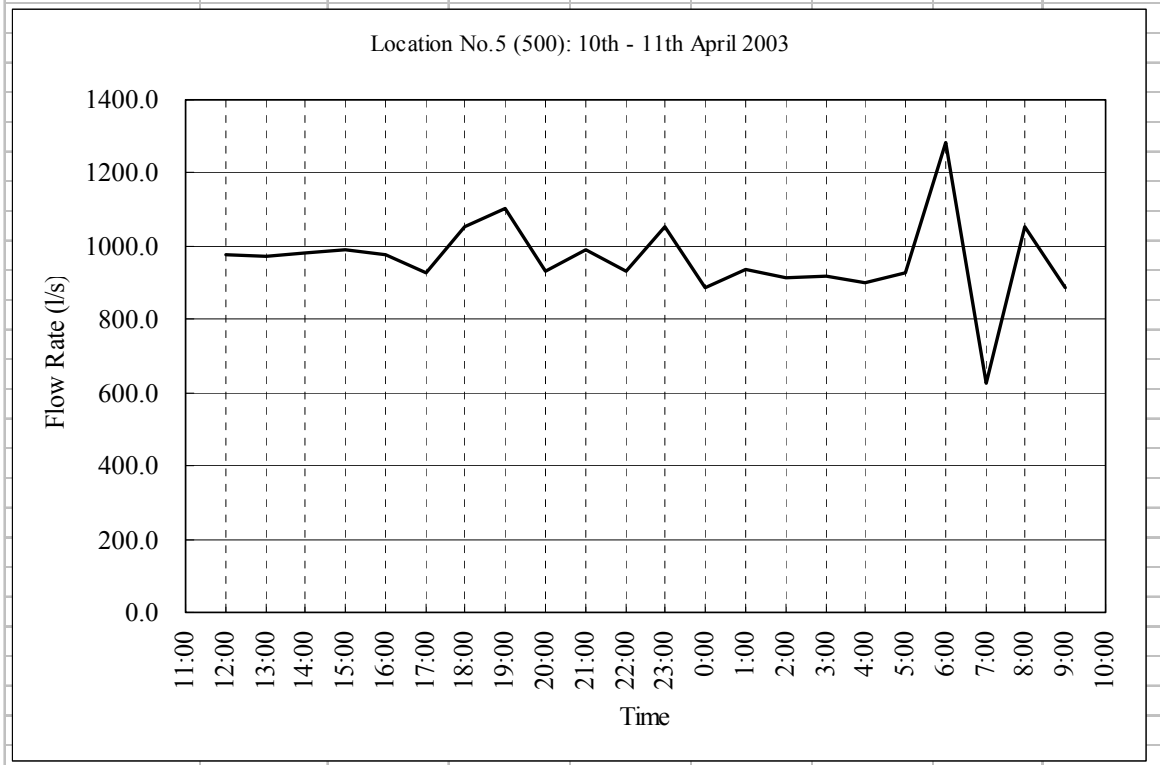
START :04-10 10:20

END :04-11 10:20

Time	Velocity	Flow Rate		
	(m/s)	(m3/min)	(m3/h)	(l/sec)
11:00	1.321	5.520	331.2	92.0
12:00	1.320	5.515	330.9	91.9
13:00	1.298	5.423	325.4	90.4
14:00	1.303	5.445	326.7	90.8
15:00	1.306	5.457	327.4	90.9
16:00	1.288	5.382	322.9	89.7
17:00	1.274	5.323	319.4	88.7
18:00	0.000	0.000	0.0	0.0
19:00	0.000	0.000	0.0	0.0
20:00	0.000	0.000	0.0	0.0
21:00	0.000	0.000	0.0	0.0
22:00	0.000	0.000	0.0	0.0
23:00	0.000	0.000	0.0	0.0
0:00	0.000	0.000	0.0	0.0
1:00	1.333	5.570	334.2	92.8
2:00	1.318	5.507	330.4	91.8
3:00	1.312	5.482	328.9	91.4
4:00	1.300	5.432	325.9	90.5
5:00	1.269	5.303	318.2	88.4
6:00	1.282	5.357	321.4	89.3
7:00	0.000	0.000	0.0	0.0
8:00	0.000	0.000	0.0	0.0
9:00	1.284	5.365	321.9	89.4
10:00	1.286	5.373	322.4	89.6
Total	-		4,887	m3/day



N0.5 500mm Distribution Main from Chinaimo WTP			
START	:04-10 10:20		
END	:04-11 10:20		
Time	Flow Rate		
	(m3/min)	(m3/h)	(l/sec)
11:00			
12:00	58.53	3,512	976
13:00	58.47	3,508	974
14:00	58.88	3,533	981
15:00	59.30	3,558	988
16:00	58.72	3,523	979
17:00	55.75	3,345	929
18:00	63.15	3,789	1,053
19:00	66.08	3,965	1,101
20:00	55.92	3,355	932
21:00	59.37	3,562	989
22:00	55.95	3,357	933
23:00	63.08	3,785	1,051
0:00	53.32	3,199	889
1:00	56.23	3,374	937
2:00	54.70	3,282	912
3:00	55.02	3,301	917
4:00	54.05	3,243	901
5:00	55.58	3,335	926
6:00	76.90	4,614	1,282
7:00	37.67	2,260	628
8:00	63.17	3,790	1,053
9:00	53.12	3,187	885
10:00			
Total		83,320	m3/day



N0.5 500mm Distribution Main from Chinaimo WTP

Pressure Measurement

START :04-10 10:20

END :04-11 10:20

Time	Pressure	
	m	kg/cm2
11:00		
12:00	48	4.8
13:00	48	4.8
14:00	48	4.8
15:00	48	4.8
16:00	48	4.8
17:00	48	4.8
18:00	48	4.8
19:00	48	4.8
20:00	48	4.8
21:00	48	4.8
22:00	48	4.8
23:00	48	4.8
0:00	50	5.0
1:00	50	5.0
2:00	50	5.0
3:00	50	5.0
4:00	50	5.0
5:00	50	5.0
6:00	46	4.6
7:00	46	4.6
8:00	46	4.6
9:00	40	4.0
10:00		

