

PT. GEOMARINDEX

INCLINOMETER READINGS

PROJECT : PASAR TANAH ABANG BLOK A

INCLINOMETER NO : INC. 01 (DW 4)

DIRECTION : AO/BO

DATE : 03.09.04

REPORT NO : 10

DEP	AO	A180	INIT	D(mm)	BO	B180	INIT	D(mm)	R(mm)	A(DG)
18.0	0	0	3530	0.11	0	0	651	-0.02		
17.5	0	0	3480	0.16	0	0	620	-0.08		
17.0	0	0	3409	0.21	0	0	559	-0.21		
16.5	0	0	3341	0.27	0	0	459	-0.35		
16.0	0	0	3328	0.35	0	0	380	-0.51		
15.5	0	0	3181	0.25	0	0	201	-0.77		
15.0	0	0	3016	0.52	0	0	40	-0.84		
14.5	0	0	3000	0.64	0	0	-52	-0.95		
14.0	0	0	2951	0.76	0	0	-152	-1.04		
13.5	0	0	2868	0.89	0	0	-243	-1.17		
13.0	0	0	2762	1.05	0	0	-329	-1.23		
12.5	0	0	2691	1.20	0	0	-284	-1.23		
12.0	0	0	2410	1.62	0	0	-339	-1.40		
11.5	0	0	2270	2.12	0	0	-542	-1.41		
11.0	1122	-1123	2179	2.78	-320	293	-618	-1.36	3.09	-26.03
10.5	1094	-1098	2113	3.57	-368	334	-705	-1.33	3.80	-20.39
10.0	1044	-1042	2018	4.25	-393	357	-748	-1.35	4.45	-17.58
9.5	1052	-1051	2053	4.75	-420	386	-817	-1.24	4.90	-14.59
9.0	1007	-1009	1970	5.21	-435	396	-821	-1.34	5.37	-14.39
8.5	1007	-986	1938	5.76	-434	392	-809	-1.51	5.95	-14.66
8.0	987	-957	1880	6.40	-428	377	-781	-1.75	6.63	-15.26
7.5	956	-920	1817	6.99	-412	360	-743	-2.04	7.28	-16.24
7.0	906	-876	1748	7.33	-391	357	-731	-2.21	7.65	-16.75
6.5	864	-786	1546	8.37	-385	360	-764	-2.02	8.60	-13.54
6.0	773	-675	1349	9.36	-392	384	-775	-2.03	9.57	-12.21
5.5	662	-632	1261	9.69	-409	335	-677	-2.70	10.05	-15.55
5.0	621	-585	1191	9.84	-357	284	-577	-3.34	10.39	-18.73
4.5	580	-566	1151	9.79	-312	247	-513	-3.80	10.50	-21.20
4.0	562	-516	1061	9.96	-276	227	-478	-4.05	10.75	-22.11
3.5	517	-470	973	10.10	-257	267	-571	-3.58	10.71	-19.50
3.0	458	-439	924	9.83	-304	291	-608	-3.45	10.41	-19.32
2.5	434	-445	930	9.32	-324	293	-604	-3.58	9.98	-21.00
2.0	439	-558	923	10.06	-327	290	-596	-3.79	10.74	-20.63
1.5	552	-620	923	12.55	-322	272	-596	-3.77	13.10	-16.71
1.0	616	-636	923	15.84	-303	257	-596	-3.41	16.20	-12.14
0.5	632	-639	923	19.32	-287	282	-596	-3.14	19.57	-9.22

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PROJECT : PASAR TANAH ABANG BLOK A

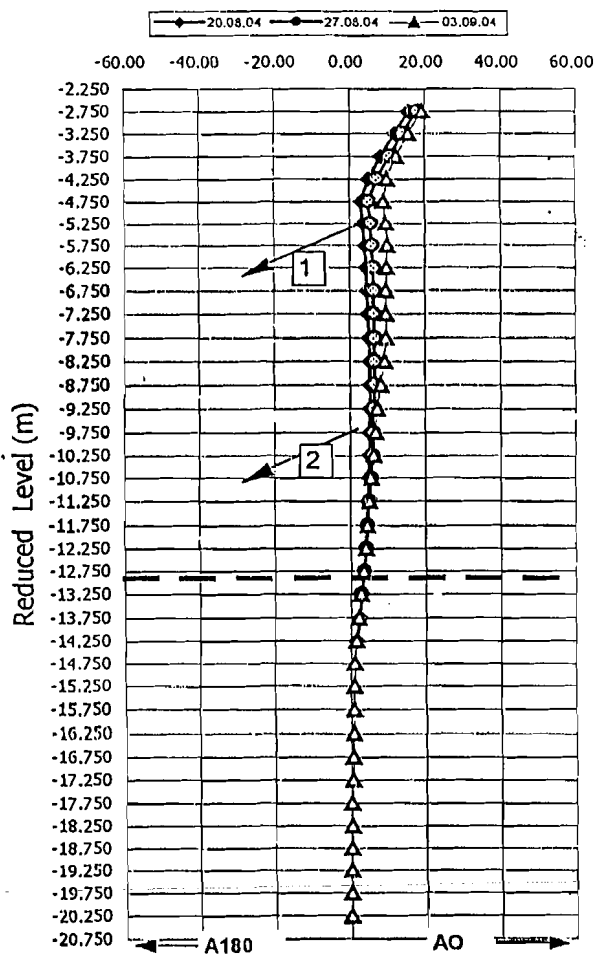
INCLINOMETER NO : INC. 01 (DW 4)

MONITORING DATE :

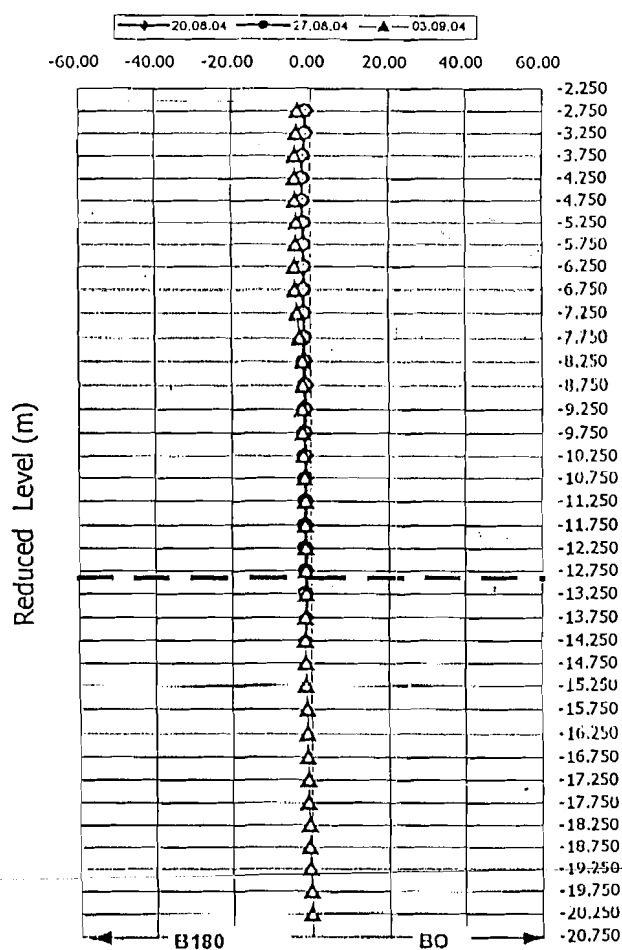
REPORT NO : 10

03.09.04

Deformation in "A" Direction (mm)



Deformation in "B" Direction (mm)



Note : Maximum deflection recorded is
19.32 mm at 0.50 meters
 below existing ground level (bgl) to -
 wads the A0 from a previous
 deflection of 17.99 mm

----- : Excavation elv. -12.90 m

← : Ground Anchor 1 elv. -5.250
 : Ground Anchor 2 elv. -9.750

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INCLINOMETER READINGS

PROJECT : PASAR TANAH ABANG BLOK A

INCLINOMETER NO : INC. 02 (DW 36)

DIRECTION : AO/BO

DATE : 03.09.04

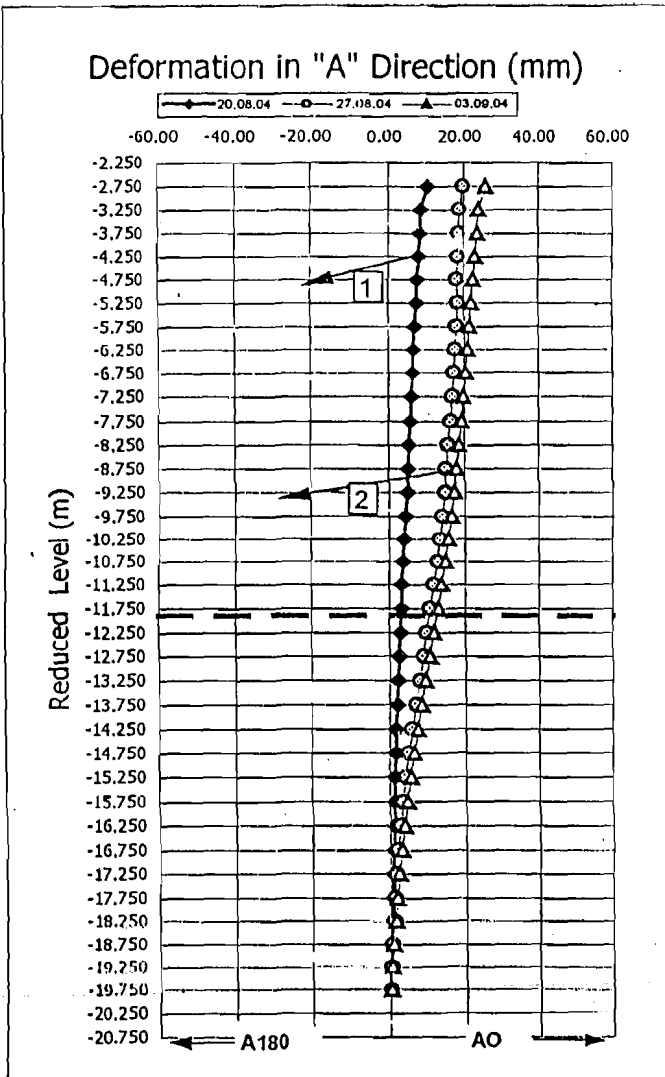
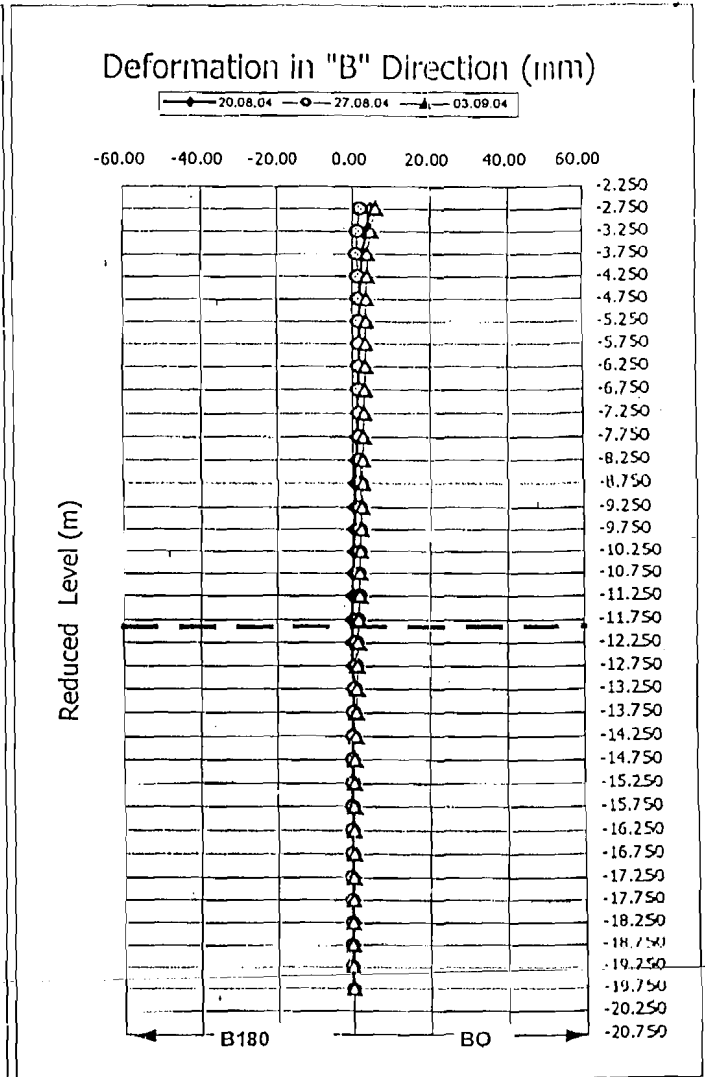
REPORT NO : 9

DEP	AO	A180	INIT	D(mm)	BO	B180	INIT	D(mm)	R(mm)	A(DG)
17.5	413	-417	788	0.42	-626	597	-1229	0.06	0.42	8.13
17.0	419	-417	800	0.78	-602	579	-1186	0.11	0.79	8.03
16.5	438	-438	835	1.19	-600	575	-1175	0.11	1.20	5.28
16.0	419	-419	802	1.55	-602	577	-1182	0.14	1.56	5.16
15.5	449	-451	856	1.99	-587	562	-1159	0.24	2.00	6.88
15.0	458	-460	864	2.53	-558	534	-1100	0.32	2.55	7.21
14.5	453	-453	845	3.14	-569	544	-1117	0.36	3.16	6.54
14.0	441	-438	809	3.84	-568	544	-1120	0.44	3.87	6.54
13.5	436	-437	791	4.66	-579	554	-1140	0.51	4.69	6.25
13.0	417	-417	746	5.54	-582	556	-1147	0.60	5.57	6.18
12.5	410	-411	727	6.48	-569	543	-1127	0.75	6.52	6.60
12.0	390	-390	685	7.43	-552	529	-1099	0.93	7.49	7.13
11.5	358	-358	601	8.52	-552	525	-1092	1.08	8.59	7.22
11.0	354	-353	598	9.61	-566	538	-1126	1.30	9.70	7.70
10.5	349	-349	585	10.74	-579	549	-1134	1.36	10.83	7.22
10.0	344	-343	579	11.82	-609	582	-1209	1.54	11.92	7.42
9.5	336	-334	564	12.88	-639	614	-1270	1.71	12.99	7.56
9.0	284	-291	475	13.88	-666	637	-1320	1.88	14.01	7.71
8.5	240	-242	389	14.81	-628	602	-1245	2.03	14.95	7.80
8.0	240	-243	393	15.71	-615	589	-1221	2.20	15.86	7.97
7.5	238	-240	397	16.52	-603	578	-1193	2.32	16.68	7.99
7.0	237	-241	402	17.28	-589	565	-1167	2.45	17.45	8.07
6.5	249	-251	427	18.01	-587	561	-1159	2.56	18.19	8.09
6.0	247	-244	426	18.66	-528	502	-1057	2.83	18.87	8.62
5.5	218	-218	377	19.25	-468	443	-929	3.01	19.48	8.89
5.0	207	-205	354	19.83	-437	413	-865	3.16	20.08	9.05
4.5	216	-214	370	20.43	-433	408	-853	3.28	20.69	9.12
4.0	218	-220	382	20.99	-406	382	-804	3.44	21.27	9.31
3.5	225	-224	396	21.52	-385	360	-756	3.55	21.81	9.37
3.0	219	-223	392	22.02	-377	349	-739	3.68	22.33	9.49
2.5	338	-337	622	22.55	-353	324	-691	3.82	22.87	9.61
2.0	355	-355	653	23.12	-303	276	-592	3.95	23.45	9.70
1.5	371	-369	683	23.69	-257	229	-491	4.00	24.03	9.58
1.0	372	-370	715	23.96	-170	139	-388	4.79	24.43	11.31
0.5	468	-470	745	25.89	-90	62	-269	5.96	26.57	12.96

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PROJECT : PASAR TANAH ABANG BLOK A
INCLINOMETER NO : INC. 02 (DW 36)
MONITORING DATE :

REPORT NO : 9
03.09.04



Note : Maximum deflection recorded is 25.89 mm at 0.50 meters below existing ground level (bgl) to -wards the AO from a previous deflection of 19.82 mm

----- : Excavation elv. -11.90 m
← : Ground Ar chor 1 elv. -4.250
← : Ground Ar chor 2 elv. -8.750

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INCLINOMETER READINGS

PROJECT : PASAR TANAH ABANG BLOK A

INCLINOMETER NO : INC. 03 (DW 48)

DIRECTION : AO/BO

INITIAL

DATE : 03.09.04

REPORT NO : 5

DEP	AO	A180	INIT	D(mm)	BO	B180	INIT	D(mm)	R(mm)	A(DG)
17.5	182	-174	374	-0.18	537	-573	1111	-0.01	0.18	-176.82
17.0	176	-168	358	-0.32	542	-579	1126	-0.06	0.33	-169.38
16.5	160	-147	321	-0.46	547	-584	1136	-0.11	0.47	-166.55
16.0	150	-139	304	-0.61	558	-596	1158	-0.15	0.63	-166.18
15.5	122	-111	248	-0.76	544	-582	1129	-0.18	0.78	-166.68
15.0	78	-70	160	-0.88	537	-593	1140	-0.28	0.92	-162.35
14.5	92	-82	181	-0.95	628	-666	1293	-0.27	0.99	-164.13
14.0	66	-54	130	-1.05	639	-679	1317	-0.26	1.08	-166.09
13.5	48	-37	95	-1.15	626	-663	1288	-0.25	1.18	-167.74
13.0	42	-31	87	-1.29	611	-651	1259	-0.22	1.31	-170.32
12.5	21	-9	41	-1.40	603	-641	1245	-0.23	1.42	-170.67
12.0	10	5	16	-1.51	583	-624	1205	-0.21	1.52	-172.08
11.5	-14	25	-31	-1.59	576	-620	1196	-0.21	1.60	-172.48
11.0	-58	70	-125	-1.62	580	-624	1201	-0.18	1.63	-173.66
10.5	-108	115	-212	-1.73	581	-623	1203	-0.17	1.74	-174.39
10.0	-169	183	-345	-1.80	593	-636	1229	-0.17	1.81	-174.60
9.5	-247	257	-504	-1.80	604	-645	1248	-0.16	1.81	-174.92
9.0	-318	328	-640	-1.86	573	-628	1205	-0.20	1.87	-173.86
8.5	-441	454	-886	-1.95	566	-610	1181	-0.25	1.97	-172.69
8.0	-502	513	-1015	-1.95	574	-618	1196	-0.29	1.97	-171.54
7.5	-538	549	-1081	-2.01	572	-615	1192	-0.34	2.04	-170.40
7.0	-206	222	-446	-1.83	570	-614	1191	-0.41	1.88	-167.37
6.5	-8	21	-63	-1.49	524	-569	1129	-0.77	1.68	-152.67
6.0	88	-76	170	-1.55	522	-567	1131	-1.19	1.95	-142.49
5.5	69	-62	168	-1.92	526	-573	1113	-1.33	2.34	-145.29
5.0	40	-30	93	-2.15	517	-564	1082	-1.34	2.53	-148.07
4.5	-42	56	-96	-2.17	508	-553	1053	-1.26	2.51	-149.86
4.0	-162	176	-364	-1.91	491	-538	1023	-1.20	2.26	-147.86
3.5	-328	331	-678	-1.72	483	-530	1009	-1.16	2.07	-146.00
3.0	-436	454	-898	-1.64	466	-508	975	-1.17	2.01	-144.50
2.5	-529	545	-1080	-1.58	397	-440	835	-1.15	1.95	-143.95
2.0	-583	597	-1183	-1.55	335	-380	716	-1.16	1.94	-143.19
1.5	-592	608	-1200	-1.55	256	-305	547	-1.02	1.86	-146.65
1.0	-571	586	-1159	-1.53	182	-229	388	-0.79	1.72	-152.69
0.5	-721	739	-1468	-1.45	36	-70	85	-0.58	1.56	-158.20

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INCLINOMETER READINGS

PROJECT : PASAR TANAH ABANG BLOK A

INCLINOMETER NO : INC. 05 (DW 96)

DIRECTION : AO/BO

DATE : 03.09.04

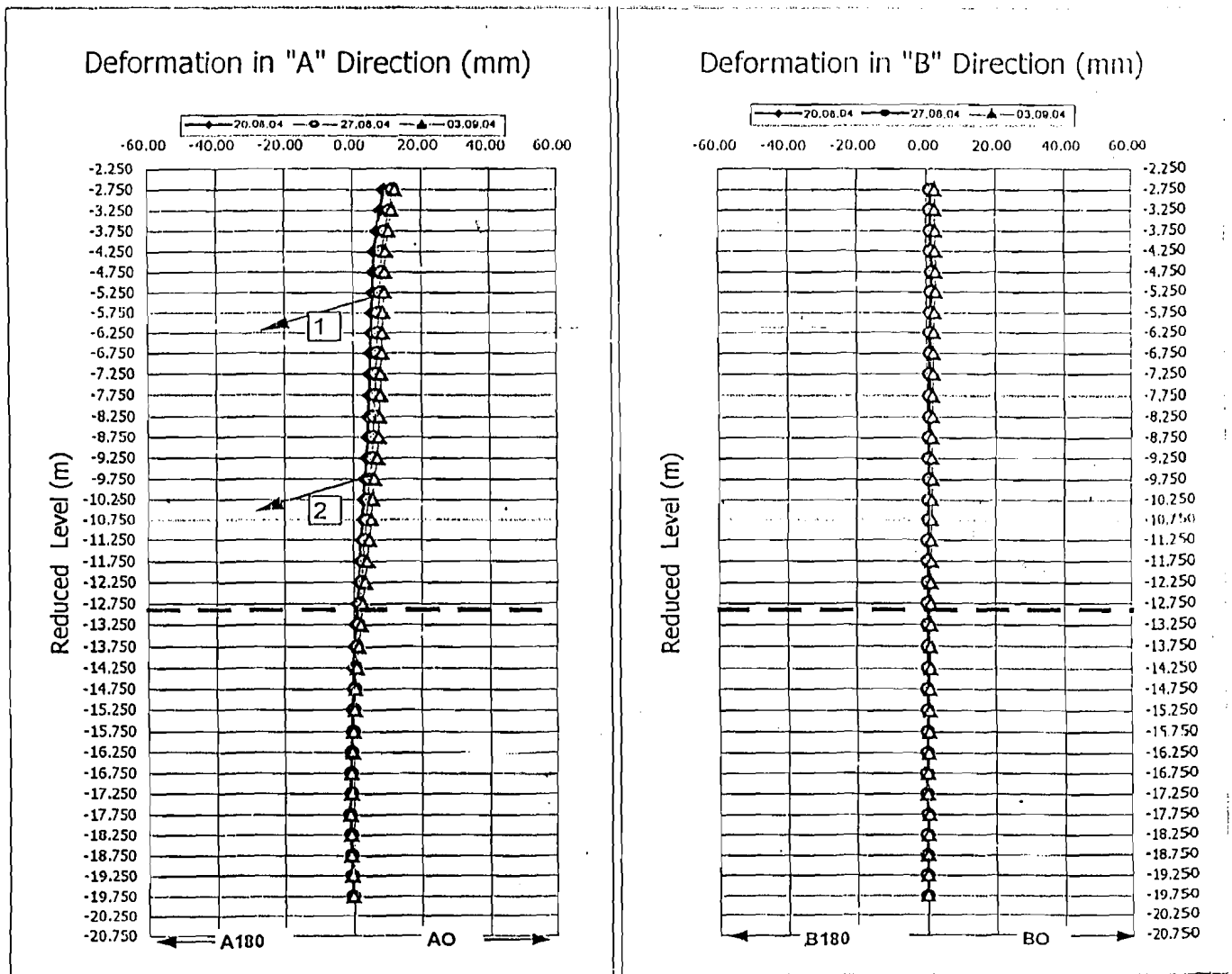
REPORT NO : 10

DEP	AO	A180	INIT	D(mm)	BO	B180	INIT	D(mm)	R(mm)	A(DG)
17.5	413	-404	830	-0.13	-25	9	-47	0.13	0.18	135.00
17.0	389	-384	801	-0.41	-46	25	-69	0.11	0.42	164.98
16.5	384	-377	774	-0.54	-76	56	-139	0.18	0.57	161.57
16.0	387	-383	778	-0.62	-70	52	-140	0.36	0.72	149.86
15.5	360	-354	751	-0.99	-59	38	-119	0.58	1.15	149.64
15.0	340	-336	646	-0.69	-185	159	-302	0.16	0.71	166.94
14.5	372	-365	721	-0.53	-173	153	-339	0.29	0.60	151.31
14.0	389	-386	753	-0.31	-162	141	-317	0.43	0.53	125.79
13.5	397	-394	761	-0.01	-148	128	-293	0.60	0.60	90.95
13.0	405	-401	770	0.35	-139	117	-269	0.73	0.81	64.38
12.5	416	-408	774	0.85	-124	104	-245	0.90	1.24	46.64
12.0	355	-344	672	1.12	-119	98	-238	1.11	1.58	44.74
11.5	354	-347	641	1.72	-118	96	-220	1.17	2.08	34.22
11.0	338	-332	612	2.30	-142	121	-267	1.21	2.60	27.75
10.5	318	-313	569	2.92	-165	141	-310	1.25	3.18	23.17
10.0	307	-302	545	3.56	-177	156	-344	1.36	3.81	20.91
9.5	294	-284	513	4.21	-196	172	-375	1.43	4.45	18.76
9.0	304	-304	540	4.89	-251	222	-472	1.42	5.09	16.19
8.5	283	-287	517	5.42	-239	215	-467	1.55	5.64	15.96
8.0	252	-259	466	5.87	-231	206	-446	1.64	6.09	15.61
7.5	233	-239	421	6.38	-225	200	-433	1.72	6.61	15.09
7.0	262	-262	452	7.10	-257	229	-477	1.63	7.28	12.93
6.5	307	-312	575	7.54	-292	266	-565	1.70	7.73	12.71
6.0	240	-237	460	7.71	-303	274	-584	1.77	7.91	12.93
5.5	260	-259	478	8.12	-294	269	-584	1.98	8.36	13.70
5.0	239	-238	462	8.27	-272	247	-528	2.07	8.53	14.05
4.5	246	-243	462	8.54	-268	244	-526	2.21	8.82	14.51
4.0	246	-245	471	8.74	-255	231	-498	2.33	9.05	14.93
3.5	242	-241	460	8.97	-226	201	-445	2.51	9.31	15.63
3.0	251	-250	477	9.21	-172	151	-349	2.77	9.62	16.74
2.5	257	-258	490	9.46	-161	138	-309	2.87	9.89	16.88
2.0	257	-255	480	9.78	-159	138	-297	2.87	10.19	16.35
1.5	269	-269	458	10.58	-177	152	-316	2.74	10.93	14.52
1.0	277	-275	459	11.51	-174	152	-316	2.64	11.81	12.92
0.5	268	-269	442	12.46	-182	160	-340	2.62	12.73	11.87

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PROJECT : PASAR TANAH ABANG BLOK A
INCLINOMETER NO : INC. 05 (DW 96)
MONITORING DATE :

REPORT NO : 10
03.09.04



Note : Maximum deflection recorded is
12.46 mm at 0.50 meters
below existing ground level (bgl) to -
wards the A0 from a previous
deflection of 11.80 mm

----- : Excavation elev. -12.90 m
← : Ground Anchor 1 elev. -5.250
 : Ground Anchor 2 elev. -9.750

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INCLINOMETER READINGS

PROJECT : PASAR TANAH ABANG BLOK A

INCLINOMETER NO : INC. 06 (DW 104)

DIRECTION : AO/BO

DATE : 03.09.04

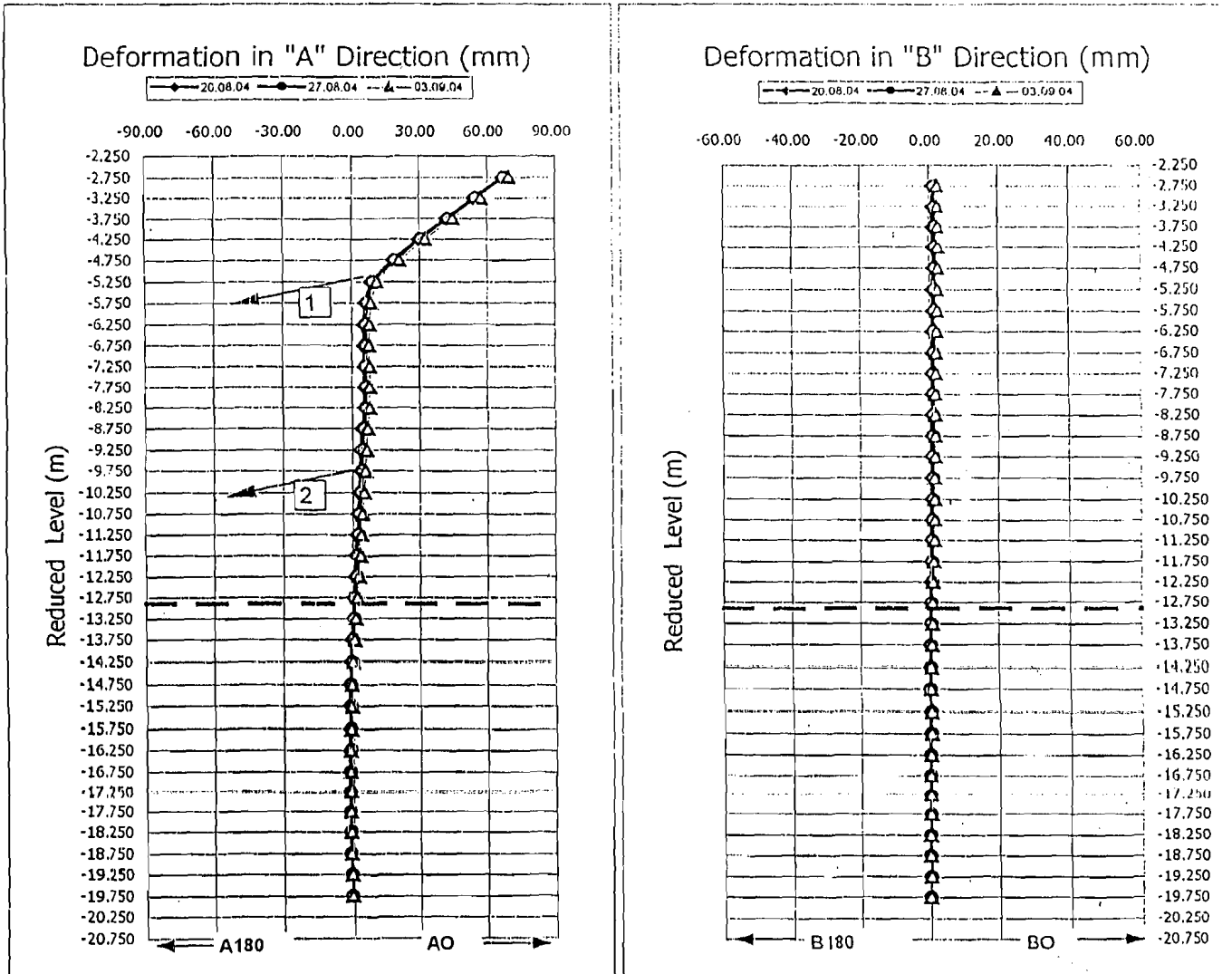
REPORT NO : 10

DEP	AO	A180	INIT	D(mm)	BO	B180	INIT	D(mm)	R(mm)	A(DG)
17.5	-626	624	-1221	-0.30	297	-318	605	0.10	0.31	161.27
17.0	-625	622	-1221	-0.56	292	-314	597	0.19	0.59	161.10
16.5	-642	641	-1257	-0.82	279	-301	586	0.13	0.83	170.94
16.0	-624	622	-1228	-1.00	247	-274	517	0.17	1.01	170.35
15.5	-621	619	-1227	-1.13	229	-253	477	0.22	1.15	168.98
15.0	-601	598	-1198	-1.15	205	-234	438	0.23	1.17	168.64
14.5	-587	585	-1175	-1.12	139	-162	297	0.27	1.15	166.45
14.0	-589	588	-1185	-1.05	97	-120	213	0.31	1.09	163.48
13.5	-597	594	-1206	-0.90	58	-82	132	0.39	0.98	156.45
13.0	-590	589	-1201	-0.68	28	-55	77	0.45	0.81	146.31
12.5	-580	582	-1200	-0.30	-18	-7	-16	0.50	0.58	120.96
12.0	-583	584	-1223	0.26	-27	0	-35	0.58	0.63	66.27
11.5	-531	532	-1121	0.84	-8	-23	1	0.72	1.10	40.77
11.0	-525	528	-1118	1.48	-29	1	-45	0.87	1.72	30.45
10.5	-529	532	-1126	2.13	-61	34	-110	1.02	2.36	25.64
10.0	-529	532	-1125	2.76	-94	68	-177	1.17	3.00	22.97
9.5	-529	530	-1122	3.39	-130	105	-248	1.30	3.63	21.01
9.0	-486	485	-1040	4.08	-128	102	-254	1.54	4.36	20.70
8.5	-403	400	-860	4.65	-41	15	-60	1.58	4.91	18.79
8.0	-371	369	-800	5.25	-69	42	-116	1.63	5.49	17.26
7.5	-403	400	-856	5.77	-140	111	-253	1.65	6.00	15.96
7.0	-417	415	-882	6.27	-191	166	-366	1.74	6.51	15.51
6.5	-383	381	-816	6.79	-200	172	-382	1.84	7.03	15.17
6.0	-259	259	-606	7.66	-196	168	-363	1.83	7.88	13.44
5.5	34	-36	50	7.87	-234	212	-466	2.03	8.12	14.47
5.0	49	-46	100	7.82	-228	200	-433	2.08	8.09	14.90
4.5	70	-69	145	7.76	-224	196	-426	2.14	8.05	15.42
4.0	91	-89	167	7.89	-228	199	-439	2.26	8.21	15.98
3.5	112	-112	160	8.54	-241	214	-469	2.40	8.87	15.71
3.0	86	-88	-83	11.11	-309	259	-567	2.39	11.36	12.15
2.5	154	-142	-712	21.19	-527	503	-1061	2.70	21.36	7.26
2.0	459	-451	-273	33.01	-441	417	-872	2.84	33.13	4.92
1.5	724	-725	220	45.30	-360	333	-689	2.80	45.39	3.54
1.0	894	-904	581	57.48	-308	282	-580	2.70	57.54	2.69
0.5	977	-977	742	69.60	-287	263	-545	2.65	69.65	2.18

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PROJECT : PASAR TANAH ABANG BLOK A
INCLINOMETER NO : INC. 06 (DW 104)
MONITORING DATE :

REPORT NO : 10
03.09.04



Note : Maximum deflection recorded is 69.60 mm at 0.50 meters below existing ground level (bgl) to -wards the A0 from a previous deflection of 67.38 mm

--- : Excavation elv. -12.90 m

← : Ground Anchor 1 elv. -5.250
← : Ground Anchor 2 elv. -9.750

PASAR TANAH ABANG BLOK A
PROJECT, JAKARTA
APPENDIX 3
WATER STANDPIPE DATA SETS

15.00.00	15.00.00	15.00.00	15.00.00
14.00.00	14.00.00	14.00.00	14.00.00
13.00.00	13.00.00	13.00.00	13.00.00
12.00.00	12.00.00	12.00.00	12.00.00
11.00.00	11.00.00	11.00.00	11.00.00
10.00.00	10.00.00	10.00.00	10.00.00
09.00.00	09.00.00	09.00.00	09.00.00
08.00.00	08.00.00	08.00.00	08.00.00
07.00.00	07.00.00	07.00.00	07.00.00
06.00.00	06.00.00	06.00.00	06.00.00
05.00.00	05.00.00	05.00.00	05.00.00
04.00.00	04.00.00	04.00.00	04.00.00
03.00.00	03.00.00	03.00.00	03.00.00
02.00.00	02.00.00	02.00.00	02.00.00
01.00.00	01.00.00	01.00.00	01.00.00

15.00.00
14.00.00
13.00.00
12.00.00
11.00.00
10.00.00
09.00.00
08.00.00
07.00.00
06.00.00
05.00.00
04.00.00
03.00.00
02.00.00
01.00.00

PT. GEOMARINDEX

Project : Pasar Tanah Abang Blok A Jakarta, Indonesia

Instrument No : WSP 01

Water Standpipe Monitorings

Report No : 11

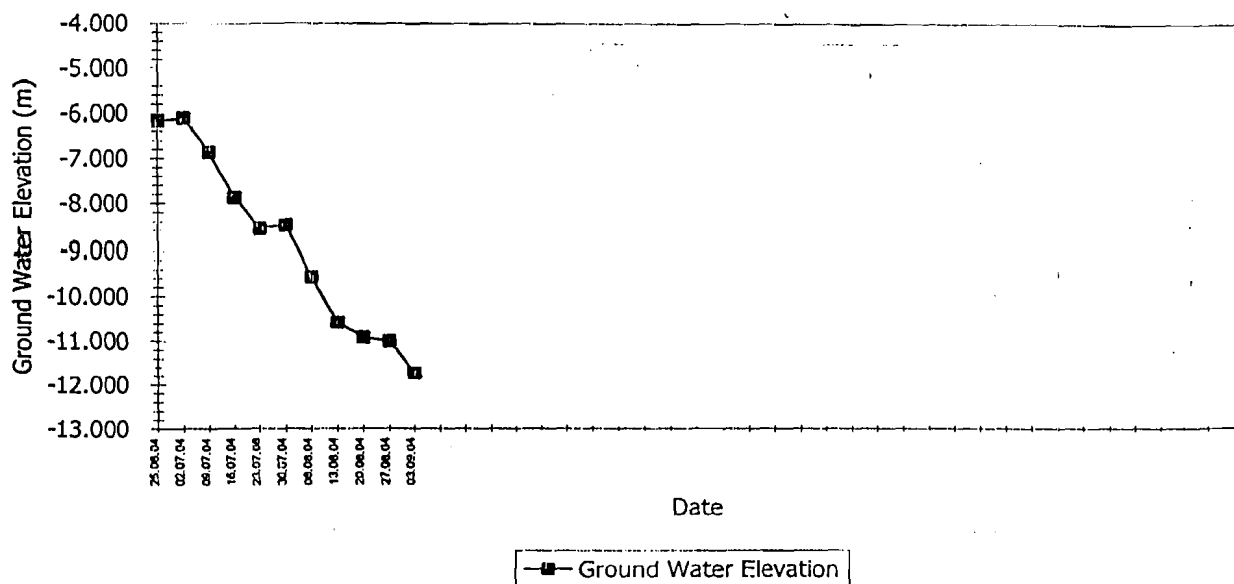
Ground Elevation : -0.470 m

Installation Elevation : -15.970 m

Top of Pipe Elevation : 0.030 m

Date	Time	Ground Elevation (m)	Top of Pipe Elevation (m)	Depth of Water from top of pipe (m)	Ground Water Elevation (m)	Remarks
25.06.04	15.20	-0.470	0.030	6.210	-6.180	Initial
02.07.04	10.15	-0.470	0.030	6.130	-6.100	
09.07.04	14.32	-0.470	0.030	6.900	-6.870	
16.07.04	11.14	-0.470	0.030	7.900	-7.870	
23.07.06	10.39	-0.470	0.030	8.570	-8.540	
30.07.04	10.30	-0.470	0.030	8.500	-8.470	
06.08.04	10.56	-0.470	0.030	9.600	-9.570	
13.08.04	10.15	-0.470	0.030	10.600	-10.570	
20.08.04	09.55	-0.470	0.030	10.940	-10.910	
27.08.04	10.27	-0.470	0.030	11.020	-10.990	
03.09.04	11.35	-0.470	0.030	11.750	-11.720	

Water Standpipe Monitoring



Measured By : Sun Anwiry

PT. GEOMARINDEX

Project : Pasar Tanah Abang Blok A Jakarta, Indonesia

Instrument No : WSP 02

Water Standpipe Monitorings

Report No : 11

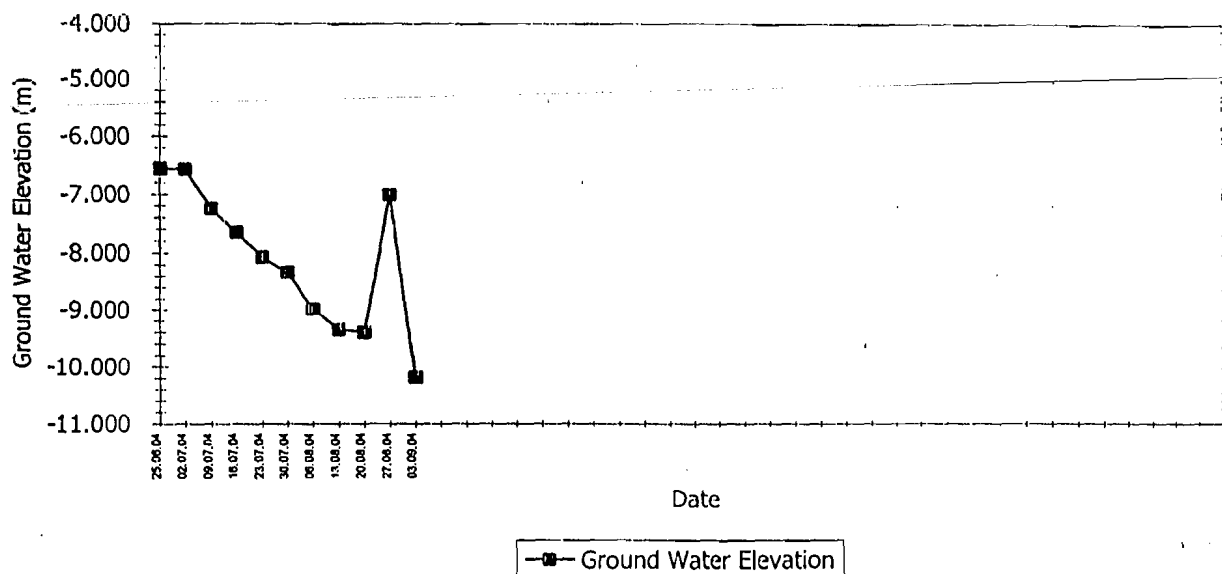
Ground Elevation : 0.150 m

Installation Elevation : -18.850 m

Top of Pipe Elevation : 0.650 m

Date	Time	Ground Elevation (m)	Top of Pipe Elevation (m)	Depth of Water from top of pipe (m)	Ground Water Elevation (m)	Remarks
25.06.04	15.15	0.150	0.650	7.210	-6.560	Initial
02.07.04	10.09	0.150	0.650	7.230	-6.580	
09.07.04	14.13	0.150	0.650	7.900	-7.250	
16.07.04	11.20	0.150	0.650	8.300	-7.650	
23.07.04	09.15	0.150	0.650	8.720	-8.070	
30.07.04	10.50	0.150	0.650	8.980	-8.330	
06.08.04	11.10	0.150	0.650	9.630	-8.980	
13.08.04	10.30	0.150	0.650	10.000	-9.350	
20.08.04	09.50	0.150	0.650	10.050	-9.400	
27.08.04	10.10	0.150	0.650	7.660	-7.010	Recharging
03.09.04	11.19	0.150	0.650	10.830	-10.180	

Water Standpipe Monitoring



Measured By : Sun Anwiry

PT. GEOMARINDEX

Project : Pasar Tanah Abang Blok A Jakarta, Indonesia

Instrument No : WSP 03

Water Standpipe Monitorings

Report No : 5

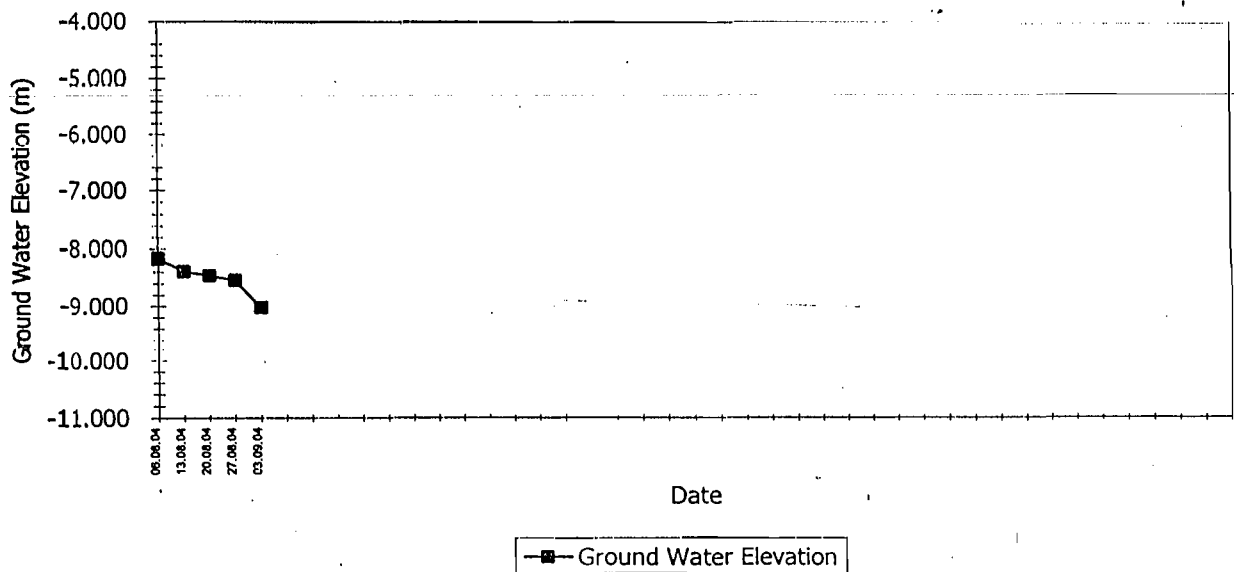
Ground Elevation : -0.220 m

Installation Elevation : -18.220 m

Top of Pipe Elevation : 0.080 m

Date	Time	Ground Elevation (m)	Top of Pipe Elevation (m)	Depth of Water from top of pipe (m)	Ground Water Elevation (m)	Remarks
06.08.04	11.15	-0.220	0.080	8.250	-8.170	Initial
13.08.04	09.29	-0.220	0.080	8.470	-8.390	
20.08.04	09.42	-0.220	0.080	8.540	-8.460	
27.08.04	10.03	-0.220	0.080	8.620	-8.540	
03.09.04	11.05	-0.220	0.080	9.100	-9.020	

Water Standpipe Monitoring



Measured By : Sun Anwirya

PT. GEOMARINDEX

Project : Pasar Tanah Abang Blok A Jakarta, Indonesia

Instrument No : WSP 04

Water Standpipe Monitorings

Report No : 11

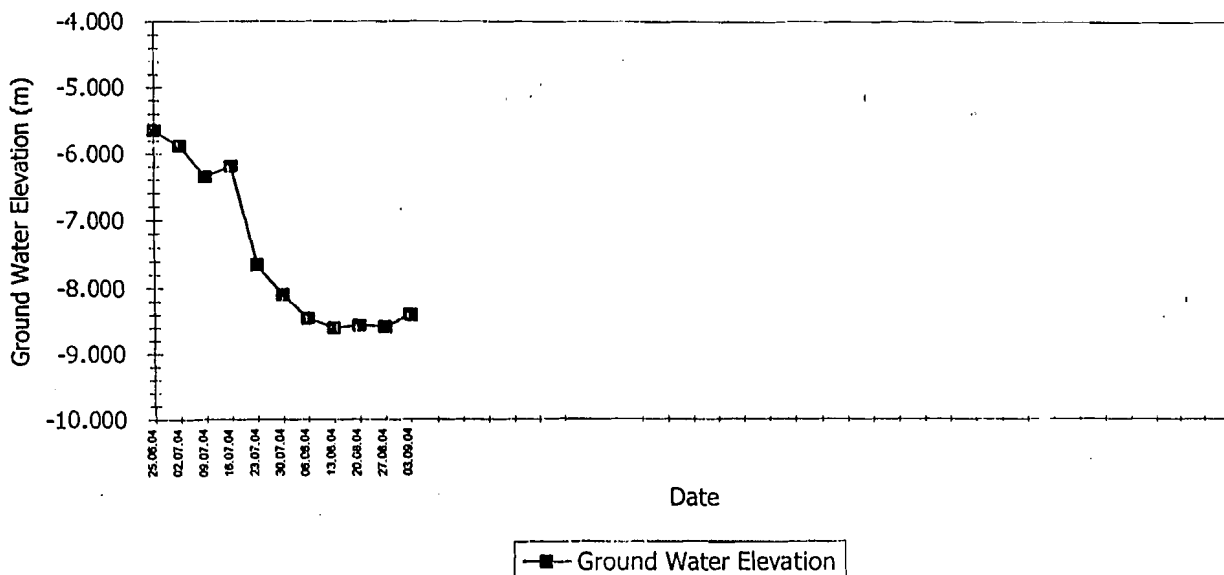
Ground Elevation : -0.600 m

Installation Elevation : -20.600 m

Top of Pipe Elevation : - 0.100 m

Date	Time	Ground Elevation (m)	Top of Pipe Elevation (m)	Depth of Water from top of pipe (m)	Ground Water Elevation (m)	Remarks
25.06.04	16.20	-0.600	-0.100	5.540	-5.640	Initial
02.07.04	10.30	-0.600	-0.100	5.790	-5.890	
09.07.04	13.53	-0.600	-0.100	6.250	-6.350	
16.07.04	10.16	-0.600	-0.100	6.090	-6.190	
23.07.04	09.44	-0.600	-0.100	7.550	-7.650	
30.07.04	09.40	-0.600	-0.100	8.000	-8.100	
06.08.04	09.49	-0.600	-0.100	8.350	-8.450	
13.08.04	09.45	-0.600	-0.100	8.500	-8.600	
20.08.04	10.10	-0.600	-0.100	8.460	-8.560	
27.08.04	09.36	-0.600	-0.100	8.480	-8.580	
03.09.04	11.00	-0.600	-0.100	8.300	-8.400	

Water Standpipe Monitoring



Measured By : Sun Anwiry

PT. GEOMARINDEX

Project : Pasar Tanah Abang Blok A Jakarta, Indonesia

Instrument No : WSP 05

Water Standpipe Monitorings

Report No : 11

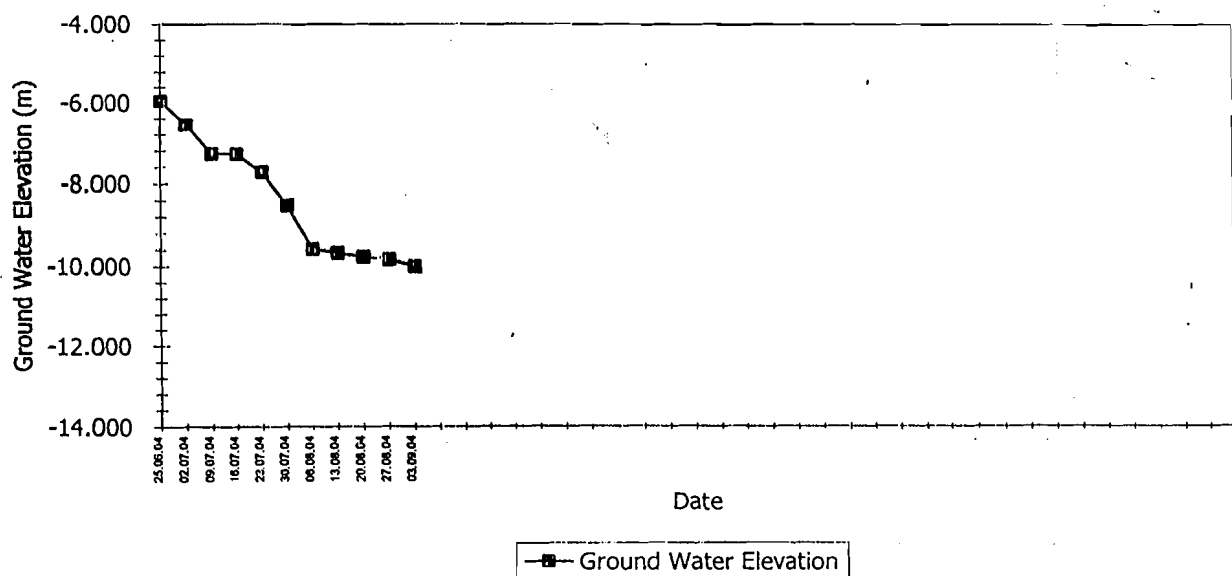
Ground Elevation : -2.470 m

Installation Elevation : -20.170 m

Top of Pipe Elevation : -2.170 m

Date	Time	Ground Elevation (m)	Top of Pipe Elevation (m)	Depth of Water from top of pipe (m)	Ground Water Elevation (m)	Remarks
25.06.04	15.50	-2.470	-2.170	3.780	-5.950	Initial
02.07.04	10.20	-2.470	-2.170	4.380	-6.550	
09.07.04	15.05	-2.470	-2.170	5.100	-7.270	
16.07.04	10.20	-2.470	-2.170	5.120	-7.290	
23.07.04	10.10	-2.470	-2.170	5.550	-7.720	
30.07.04	09.58	-2.470	-2.170	6.360	-8.530	
06.08.04	10.19	-2.470	-2.170	7.400	-9.570	
13.08.04	09.55	-2.470	-2.170	7.500	-9.670	
20.08.04	10.00	-2.470	-2.170	7.600	-9.770	
27.08.04	10.47	-2.470	-2.170	7.650	-9.820	
03.09.04	11.50	-2.470	-2.170	7.830	-10.000	

Water Standpipe Monitoring



Measured By : Sun Anwiry

Tipe tanah	ϕ (deg)
Pasir: butiran bulat	
Renggang/lepas	27-30
Menengah	30-35
Padat	35-36
Pasir: butiran bersudut	
Renggang/lepas	30-35
Menengah	35-40
Padat	40-45
Kerikil bercampur pasir	34-48
Lanau	26-35

ALPHA = 90. BETA = 0.									
δ	$\phi = 26$	28	30	32	34	36	38	40	
0	2.561	2.770	3.000	3.255	3.537	3.852	4.204	4.599	
16	4.195	4.452	4.774	5.175	5.649	6.197	6.820	7.516	
17	4.346	4.630	4.985	5.425	5.947	6.543	7.214	7.968	
20	4.857	5.176	5.565	6.045	6.617	7.280	8.034	8.880	
22	5.253	5.610	6.045	6.574	7.197	7.919	8.746	9.684	
ALPHA = 90. BETA = 5.									
δ	$\phi = 26$	28	30	32	34	36	38	40	
0	2.943	3.203	3.492	3.815	4.177	4.585	5.046	5.572	
16	5.250	5.678	6.169	6.724	7.344	8.030	8.782	9.600	
17	5.475	5.946	6.429	6.980	7.597	8.281	8.933	9.654	
20	6.249	6.774	7.369	7.942	8.592	9.319	10.024	10.707	
22	6.864	7.420	8.060	8.684	9.292	9.984	10.661	11.324	
ALPHA = 90. BETA = 10.									
δ	$\phi = 26$	28	30	32	34	36	38	40	
0	3.385	3.713	4.080	4.496	4.968	5.507	6.125	6.841	
16	6.652	7.145	7.695	8.304	8.972	9.700	10.488	11.344	
17	6.992	7.556	8.185	8.872	9.618	10.424	11.291	12.220	
20	8.186	8.814	9.503	10.253	11.064	11.936	12.869	13.874	
22	9.164	9.825	10.541	11.312	12.138	13.020	13.958	14.962	

Daftar harga Kp

ALPHA = 90. BETA = 0.									
δ	$\phi = 26$	28	30	32	34	36	38	40	
0	0.390	0.351	0.333	0.307	0.283	0.260	0.238	0.217	
16	0.349	0.324	0.300	0.278	0.257	0.237	0.218	0.201	
17	0.348	0.323	0.299	0.277	0.256	0.235	0.217	0.199	
20	0.345	0.320	0.297	0.275	0.254	0.235	0.217	0.199	
22	0.343	0.319	0.296	0.275	0.254	0.235	0.217	0.199	
ALPHA = 90. BETA = 5.									
δ	$\phi = 26$	28	30	32	34	36	38	40	
0	0.414	0.382	0.352	0.323	0.297	0.272	0.249	0.227	
16	0.373	0.345	0.319	0.295	0.272	0.250	0.229	0.210	
17	0.372	0.344	0.318	0.294	0.271	0.249	0.229	0.210	
20	0.370	0.342	0.316	0.292	0.270	0.248	0.228	0.209	
22	0.369	0.341	0.316	0.292	0.269	0.248	0.228	0.209	
ALPHA = 90. BETA = 10.									
δ	$\phi = 26$	28	30	32	34	36	38	40	
0	0.443	0.407	0.374	0.343	0.314	0.286	0.261	0.238	
16	0.404	0.372	0.342	0.313	0.289	0.265	0.242	0.221	
17	0.404	0.371	0.342	0.313	0.288	0.264	0.242	0.221	
20	0.402	0.370	0.340	0.313	0.287	0.263	0.241	0.220	
22	0.401	0.369	0.340	0.312	0.287	0.263	0.241	0.220	

Daftar harga K_o

