

Appendix B

Drilling Logs

FIG DRILLING LOG

Project No. J2130

Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Remarks
 P : Standard Penetration Test
 UDS : Open-Drive Undisturbed Sampling
 N : 9324366.62 ; E : 698904.09

Hole Number BH-01 (PAGE 1 of 3)

Date Oct 27th to Oct 31st, 2009

Water Table GL-1.2 m.

Elevation -1.086 m.

Driller Akhri (Hr/Smr)

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test										
									Depth in m	Sample No.	N-Value Blows/30cm	Blows Per Each 10 cm			N - Value						
												10cm	10cm	10cm	10	20	30	40	50		
1	-1.586	0.50	0.50		Silty Clay	Brown	Very Soft	Fill													
					Clayey Sand	Gray	Very Loose	Sand is fine to coarse grained. With trace of sea shell.	1.00	P-1	1/45	1/45'									
3	-3.986	2.90	2.40		Silty Clay with Sand	Gray	Very Soft	With decomposed wood. With trace of sea shell.	2.50	P-2	1/45	1/45'									
4									4.00	P-3	1/45	1/45'									
6					Clay	Greenish Gray	Very Soft	With trace of sea shell fragments.	5.00	UDS-1	Recovery = 20 cm										
7	-8.086	7.00	4.10						6.25	P-4	1/20	1/20'									
10					Silty Clay	Gray	Soft to Medium Stiff	Mottled with red patches.	7.50	P-5	0/45	0/45'									
12	-13.086	12.00	5.00						7.95												
15					Silty Clay	Light Brown to Light Gray	Medium Stiff to Stiff	Mottled with gray. Weakly to moderately cemented. Silt content increase with depth.	8.50	UDS-2	Recovery = 40 cm										
16	-16.586	15.50	3.50						9.20	P-6	0/45	0/45'									
18					Clayey Silt with Sand	Brown	Hard	With trace of fine sand. Moderately to strongly cemented.	9.50	P-7	0/45	0/45'									
21	-21.836	20.75	5.25						11.00	P-8	5	1	2	2							
22	-23.186	22.10	1.35		Silty Sand	Yellowish Brown	Very Dense to medium Dense	Sand is fine to coarse grained. Moderately to strongly cemented. Cemented sand content increase with depth.	12.65	UDS-3	Recovery = 48 cm										
23									13.50	P-9	1/20	1/20'									
25					Silty Clay	Gray	Stiff to Very Stiff	With sea shell fragment. Shell content decrease with depth.	14.75	P-10	6	2	2	2							
26	-27.086	26.00	3.90						16.15	P-11	17	4	6	7							
30					Silty Clay	Grayish Brown			17.65	P-12	14	4	4	6							
31	-32.086	31.00	5.00						19.15	P-13	50/22	6	20	24/2'							
									20.65												
									20.87												
									22.15	P-14	50/6	50/6'									
									22.21												
									23.65	P-15	23	6	7	10							
									23.95												
									25.15	P-16	30	10	10	10							
									25.45												
									26.65	P-17	18	5	6	7							
									26.95												
									28.15	P-18	10	2	3	5							
									28.45												
									29.00	UDS-4	Recovery = 39 cm										
									29.50												
									30.15	P-19	8	2	3	3							
									30.45												

Prepared By : Heri / Soemarso



PT. PONDASI KISOCON RAYA

Checked By : Art

Approved By : YPC

FIG DRILLING LOG

Project No. J2130

Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Remarks
 P : Standard Penetration Test
 UDS : Open-Drive Undisturbed Sampling
 N : 9324366.62 ; E : 698861.96

Hole Number BH-01 (PAGE 2 of 3)

Date Oct 27th to Oct 31st, 2009

Water Table GL-1.2 m.

Elevation -1.086 m.

Driller Akhiri (Hr/Smr)

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test								
									Depth in m	Sample No.	N-Value Blows/30cm	Blows Per Each 10 cm			N - Value				
											10cm	10cm	10cm	10	20	30	40	50	
31	-32.086	31.00	5.00		Silty Clay	Grayish Brown	Stiff to Very Stiff	With sea shell fragment. Shell content decrease with depth.	30.15 30.45	P-19	8	2	3	3					
32					Silty Clay	Gray	Stiff to Very Stiff	With sea shell fragment at GL-36.00 to 37.00m.	31.65 31.95	P-20	14	4	5	5					
33									33.15 33.45	P-21	18	5	6	7					
34									34.65 34.95	P-22	13	4	4	5					
35									36.15 36.45	P-23	14	4	5	5					
36									37.65 37.95	P-24	36	9	13	14					
37	-38.086	37.00	6.00		Silty Clay	Gray	Hard	Mottled with Red. Weakly cemented.	39.15 39.35	P-25	50/20	17	33		50 BLOWS/20cm				
38	-39.586	38.50	1.50		Silty Sand	Gray to Brownish Gray	Very Dense	Sand is fine grained. Weakly to moderately cemented.	40.65 40.90	P-26	50/25	12	20	18/5'	50 BLOWS/25cm				
39									42.15 42.33	P-27	50/18	18	32/8'		50 BLOWS/18cm				
40									43.65 43.74	P-28	50/9	50/9'			50 BLOWS/9cm				
41									45.15 45.35	P-29	50/20	20	30		50 BLOWS/20cm				
42									46.65 46.84	P-30	50/19	25	25/9'		50 BLOWS/19cm				
43	-44.086	43.00	4.50		Silty Sand	Brownish Gray	Very Dense	Sand is medium to coarse grained. With a trace of fine gravel at GL- 45.00 to 47.50m. Weakly to moderately cemented. With trace of shell fragments.	48.15 48.45	P-31	15	5	5	5					
44					Silty Clay with Organic	Gray to Dark Gray	Very Stiff	With decomposed wood and organic matters at GL- 48.00 to 48.50m. Weakly cemented at bottom portion.	49.00	UDS-5	Recovery = 0 cm								
45									50.15 50.45	P-32	19	6	6	7					
46	-52.086	51.00	3.50		Silty Sand	Dark Gray	Medium Dense	Sand is medium to coarse grained. With trace of shell fragment.	51.65 51.95	P-33	17	6	5	6					
47	-53.586	52.50	1.50		Silty Clay	Gray	Very Stiff	Weakly cemented.	53.15 53.45	P-34	23	6	7	10					
48	-55.086	54.00	1.50		Silty Clay	Gray	Hard	Moderately cemented, with a few of fine sand at GL-56.0 to -58.0m. With high silt content at bottom portion.	54.65 54.95	P-35	50	16	15	19	50 BLOWS/30cm				
49									56.15 56.33	P-36	50/18	23	27/8'		50 BLOWS/18cm				
50									57.65 57.80	P-37	50/15	28	22/5'		50 BLOWS/15cm				
51	-60.336	59.25	5.25		Sand	Gray	Dense to Very Dense	Sand is fine grained. Uniformly graded. With a trace of silt. Weakly cemented.	58.65 58.95	P-38	43	10	13	20					
52									59.65 59.95	P-39	43	9	10	24					
53	-63.336	62.25	3.00						60.65 60.95	P-40	41	11	13	17					

Prepared By : Heri / Soemarso



PT. PONDASI KISOCON RAYA

Checked By : Art

Approved By : YPC

FIG DRILLING LOG

Project No. J2130

Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Remarks
 P : Standard Penetration Test
 UDS : Open-Drive Undisturbed Sampling
 N : 9324366.62 ; E : 698904.09

Hole Number BH-01 (PAGE 3 of 3)

Date Oct 27th to Oct 31st, 2009

Water Table GL-1.2 m.

Elevation -1.086 m.

Driller Akhri (Hr/Smr)

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test								
									Depth in m.	Sample No.	N-Value Blows/30cm	Blows Per Each 10 cm			N - Value				
												10cm	10cm	10cm	10	20	30	40	50
61				x x x x x	Sand	Gray	Dense to Very Dense	Sand is fine grained. Uniformly graded. With a trace of silt. Weakly cemented.	60.65	P-40	41	11	13	17					
62	-63.336	62.25	3.00	x x x x x					60.95										
63				x x x x x	Silty Clay	Gray	Hard	With a trace of fine gravel (white) at GL- 63.00 to 64.00m. Weakly to moderately cemented.	61.65	P-41	50/16	28	22/6'		50 BLOWS/16cm				
64	-65.336	64.25	2.00	x x x x x					61.81										
65				x x x x x	Silty Clay	Brown	Very Stiff	Homogeneous. Mottled with gray. Weakly cemented at GL- 70.00 to 73.00m.	62.50	P-42	50/14	50/14			50 BLOWS/14cm				
66				x x x x x					62.64										
67				x x x x x					63.65	P-43	39	8	14	17					
68				x x x x x					63.95										
69				x x x x x					64.65	P-44	30	8	10	12					
70				x x x x x					64.95										
71				x x x x x					65.65	P-45	27	6	10	11					
72				x x x x x					65.95										
73				x x x x x					67.15	P-46	18	5	6	7					
74				x x x x x					67.45										
75	-76.036	74.95	10.70	x x x x x					68.65	P-47	21	6	7	8					
76				x x x x x					68.95										
77				x x x x x					70.15	P-48	28	8	9	11					
78				x x x x x					70.45										
79				x x x x x					71.65	P-49	28	9	9	10					
80				x x x x x					71.95										
81				x x x x x					73.15	P-50	28	9	10	9					
82				x x x x x					73.45										
83				x x x x x					74.65	P-51	24	6	8	10					
84				x x x x x					74.95										
85				x x x x x															
86				x x x x x															
87				x x x x x															
88				x x x x x															
89				x x x x x															
90				x x x x x															
91				x x x x x															

Prepared By : Heri / Soemarso PT. PONDASI KISOCON RAYA Checked By : Art Approved By : YPC

FIG DRILLING LOG

Project No. J2130

Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Hole Number BH-02 (PAGE 1 of 2)

Date Nov 1st to 5th '2009

Water Table GL-1.2 m.

Elevation -0.701 m.

Driller Yani (Smr)

Remarks

P : Standard Penetration Test
 UDS : Open-Drive Undisturbed Sampling
 UDP : Undisturbed Piston Sampling
 UDD : Undisturbed Denison Sampling
 N : 9324369.51 ; E : 698861.96

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test									
									Depth in m	Sample No.	N-Value Blows/30cm	Blows Per Each 10 cm			N - Value					
												10cm	10cm	10cm	10	20	30	40	50	
1	-1.401	0.70	0.70		Concrete	Gray	Strong	Concrete of road pump station area.												
2	-2.701	2.00	1.30		Silty Clay	Grayish Brown	Medium Stiff	With a trace of fine sand and organic matters.	1.15	P-1	5	1	2	2						
3					Silty Clay	Gray	Very Soft	With sea shell fragment at GL- 5.00 to 6.25m and organic matters.	2.50	UDS-1	Recovery = 30 cm									
4					Silty Clay	Gray	Very Soft	With sea shell fragment at GL- 5.00 to 6.25m and organic matters.	3.50	P-2	1/45	1/45'								
5					Silty Clay	Gray	Very Soft	With sea shell fragment at GL- 5.00 to 6.25m and organic matters.	5.00	UDP-1	Recovery = 50 cm									
6	-6.951	6.25	4.25		Clayey Silt	Dark Gray	Soft	With a trace of fine sand and sea shell fragment.	5.70											
7	-8.201	7.50	1.25		Clay with Shell	Gray	Very Soft	With decomposed wood and organic matters. With sea shell fragment at GL- 10.50 to 11.50m.	6.65	P-3	3	1	1	1						
8					Clay with Shell	Gray	Very Soft	With decomposed wood and organic matters. With sea shell fragment at GL- 10.50 to 11.50m.	8.35	P-4	1/10	1/10'								
9					Clay with Shell	Gray	Very Soft	With decomposed wood and organic matters. With sea shell fragment at GL- 10.50 to 11.50m.	8.45											
10					Clay with Shell	Gray	Very Soft	With decomposed wood and organic matters. With sea shell fragment at GL- 10.50 to 11.50m.	9.00	UDP-2	Recovery = 82 cm									
11					Clayey Silt with Shell	Dark Gray	Very Soft to Soft	With a trace of sea shell fragment at upper portion. With decomposed wood and organic matters at GL- 13.50 to 14.00m. With a trace of fine sand at GL- 16.00 to 18.50m.	10.50	P-5	0/45	0/45'								
12	-12.201	11.50	4.00		Clayey Silt with Shell	Dark Gray	Very Soft to Soft	With a trace of sea shell fragment at upper portion. With decomposed wood and organic matters at GL- 13.50 to 14.00m. With a trace of fine sand at GL- 16.00 to 18.50m.	10.95											SELF PENETRATION BY HAMMER
13					Clayey Silt with Shell	Dark Gray	Very Soft to Soft	With a trace of sea shell fragment at upper portion. With decomposed wood and organic matters at GL- 13.50 to 14.00m. With a trace of fine sand at GL- 16.00 to 18.50m.	12.00	P-6	1/45	1/45'								
14					Clayey Silt with Shell	Dark Gray	Very Soft to Soft	With a trace of sea shell fragment at upper portion. With decomposed wood and organic matters at GL- 13.50 to 14.00m. With a trace of fine sand at GL- 16.00 to 18.50m.	12.45											
15					Clayey Silt with Shell	Dark Gray	Very Soft to Soft	With a trace of sea shell fragment at upper portion. With decomposed wood and organic matters at GL- 13.50 to 14.00m. With a trace of fine sand at GL- 16.00 to 18.50m.	13.50	P-7	1/45	1/45'								
16					Clayey Silt with Shell	Dark Gray	Very Soft to Soft	With a trace of sea shell fragment at upper portion. With decomposed wood and organic matters at GL- 13.50 to 14.00m. With a trace of fine sand at GL- 16.00 to 18.50m.	13.95											
17					Clayey Silt with Shell	Dark Gray	Very Soft to Soft	With a trace of sea shell fragment at upper portion. With decomposed wood and organic matters at GL- 13.50 to 14.00m. With a trace of fine sand at GL- 16.00 to 18.50m.	15.00	P-8	0/45	0/45'								
18					Clayey Silt with Shell	Dark Gray	Very Soft to Soft	With a trace of sea shell fragment at upper portion. With decomposed wood and organic matters at GL- 13.50 to 14.00m. With a trace of fine sand at GL- 16.00 to 18.50m.	15.45											
19	-19.201	18.50	7.00		Clayey Silt	Brown	Stiff to Very Stiff	With a trace of fine sand at GL- 18.50 to 19.50m. Weakly cemented at GL- 20.50 to 21.50m. With high sand content at bottom portion.	16.00	UDP-3	Recovery = 60 cm									
20					Clayey Silt	Brown	Stiff to Very Stiff	With a trace of fine sand at GL- 18.50 to 19.50m. Weakly cemented at GL- 20.50 to 21.50m. With high sand content at bottom portion.	17.65	P-9	3	1	1	1						
21					Clayey Silt	Brown	Stiff to Very Stiff	With a trace of fine sand at GL- 18.50 to 19.50m. Weakly cemented at GL- 20.50 to 21.50m. With high sand content at bottom portion.	17.95											
22	-22.201	21.50	3.00		Sandy Silt	Brown to Gray	Hard	Sand is fine to medium grained. Weakly to moderately cemented. With high sand content at bottom portion.	19.15	P-10	9	2	3	4						
23					Sandy Silt	Brown to Gray	Hard	Sand is fine to medium grained. Weakly to moderately cemented. With high sand content at bottom portion.	19.45											
24					Sandy Silt	Brown to Gray	Hard	Sand is fine to medium grained. Weakly to moderately cemented. With high sand content at bottom portion.	20.65	P-11	28	7	9	12						
25					Sandy Silt	Brown to Gray	Hard	Sand is fine to medium grained. Weakly to moderately cemented. With high sand content at bottom portion.	20.95											
26					Sandy Silt	Brown to Gray	Hard	Sand is fine to medium grained. Weakly to moderately cemented. With high sand content at bottom portion.	22.15	P-12	50/24	16	21	13/4'						50 BLOWS/24cm
27					Sandy Silt	Brown to Gray	Hard	Sand is fine to medium grained. Weakly to moderately cemented. With high sand content at bottom portion.	22.39											
28					Sandy Silt	Brown to Gray	Hard	Sand is fine to medium grained. Weakly to moderately cemented. With high sand content at bottom portion.	23.15	P-13	50/19	22	28/9'							50 BLOWS/19cm
29					Sandy Silt	Brown to Gray	Hard	Sand is fine to medium grained. Weakly to moderately cemented. With high sand content at bottom portion.	23.34											
30					Sandy Silt	Brown to Gray	Hard	Sand is fine to medium grained. Weakly to moderately cemented. With high sand content at bottom portion.	24.15	P-14	50/17	21	29/7'							50 BLOWS/17cm
31					Sandy Silt	Brown to Gray	Hard	Sand is fine to medium grained. Weakly to moderately cemented. With high sand content at bottom portion.	24.32											
32					Sandy Silt	Brown to Gray	Hard	Sand is fine to medium grained. Weakly to moderately cemented. With high sand content at bottom portion.	25.15	P-15	50/5	50/5'								50 BLOWS/5cm
33					Sandy Silt	Brown to Gray	Hard	Sand is fine to medium grained. Weakly to moderately cemented. With high sand content at bottom portion.	25.20											
34	-27.451	26.75	5.25		Silty Clay	Gray	Stiff to Very Stiff	With sea shell fragment at GL- 28.00 to 28.50m. Spotted with brown at GL- 29.50 to 30.00m. Weakly cemented at GL- 30.00 to 31.50m and GL- 36.00m.	26.15	P-16	32	5	11	16						
35					Silty Clay	Gray	Stiff to Very Stiff	With sea shell fragment at GL- 28.00 to 28.50m. Spotted with brown at GL- 29.50 to 30.00m. Weakly cemented at GL- 30.00 to 31.50m and GL- 36.00m.	26.45											
36					Silty Clay	Gray	Stiff to Very Stiff	With sea shell fragment at GL- 28.00 to 28.50m. Spotted with brown at GL- 29.50 to 30.00m. Weakly cemented at GL- 30.00 to 31.50m and GL- 36.00m.	27.15	P-17	17	5	5	7						
37					Silty Clay	Gray	Stiff to Very Stiff	With sea shell fragment at GL- 28.00 to 28.50m. Spotted with brown at GL- 29.50 to 30.00m. Weakly cemented at GL- 30.00 to 31.50m and GL- 36.00m.	27.45											
38					Silty Clay	Gray	Stiff to Very Stiff	With sea shell fragment at GL- 28.00 to 28.50m. Spotted with brown at GL- 29.50 to 30.00m. Weakly cemented at GL- 30.00 to 31.50m and GL- 36.00m.	28.00	UDD-1	Recovery = 20 cm									
39					Silty Clay	Gray	Stiff to Very Stiff	With sea shell fragment at GL- 28.00 to 28.50m. Spotted with brown at GL- 29.50 to 30.00m. Weakly cemented at GL- 30.00 to 31.50m and GL- 36.00m.	28.30											
40					Silty Clay	Gray	Stiff to Very Stiff	With sea shell fragment at GL- 28.00 to 28.50m. Spotted with brown at GL- 29.50 to 30.00m. Weakly cemented at GL- 30.00 to 31.50m and GL- 36.00m.	29.65	P-18	18	5	6	7						
41	-38.201	37.50	10.75		Silty Clay	Gray	Stiff to Very Stiff	With sea shell fragment at GL- 28.00 to 28.50m. Spotted with brown at GL- 29.50 to 30.00m. Weakly cemented at GL- 30.00 to 31.50m and GL- 36.00m.	29.95											

Prepared By : Soemarso



PT. PONDASI KISOCON RAYA Checked By : Art

Approved By : YPC

FIG DRILLING LOG

Project No. J2130

Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Hole Number BH-02 (PAGE 2 of 2)

Date Nov 1st to 5th '2009

Water Table GL-1.2 m.

Elevation -0.701 m.

Driller Yani (Smr)

Remarks
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 UDP : Undisturbed Piston Sampling
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									Depth in m.	Sample No.	N-Value Blows/30cm	Blows Per Each 10 cm			N - Value									
												10cm	10cm	10cm	10	20	30	40	50					
31					Silty Clay	Gray	Stiff to Very Stiff	With sea shell fragment at GL- 28.00 to 28.50m. Spotted with brown at GL- 29.50 to 30.00m. Weakly cemented at GL- 30.00 to 31.50m and GL- 36.00m.	31.15	P-19	22	7	7	8										
32			31.45																					
33			32.65						P-20	14	4	5	5											
34			33.50																					
35			34.00						UDS-2	Recovery = 40 cm														
36			35.15						P-21	16	4	5	7											
37			36.65						P-22	19	5	6	8											
38	-38.201	37.50	10.75																					
39										Silty Sand	Dark Gray	Very Dense	Sand is medium to coarse grained. With fine gravel at bottom portion. High silt content at GL- 39.00 to 41.50m.	38.15	P-23	50/19	24	26/9'						
40			38.34																					
41			39.15	P-24	60/29	15	19	26/9'																
42			39.44																					
43			40.15	P-25	50/18	21	29/8'																	
44			40.33																					
45			41.15	P-26	50/25	13	20	17/5'																
46			41.40																					
47			42.15	P-27	60/27	12	32	16/7'																
48			42.42																					
49			43.15	P-28	50/22	17	23	10/2'																
50			43.37																					
51			44.15	P-29	50/17	26	24/7'																	
52			44.32																					
53			45.15	P-30	50/13	33	17/3'																	
54			45.28																					
55			46.15	P-31	23	6	7	10																
56			46.45																					
57			47.65	P-32	17	5	5	7																
58			47.95																					
59			49.00																					
60			49.50	UDS-3	Recovery = 42 cm																			
61			50.15	P-33	30	8	10	12																
			50.45																					
51					-END OF DRILLING-																			

Prepared By : Soemarso



PT. PONDASI KISOCON RAYA

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FIG DRILLING LOG

Project No. J2130

Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Remarks
 P : Standard Penetration Test
 UDS : Open-Drive Undisturbed Sampling
 N : 9324405.90 ; E : 698896.85

Hole Number BH-03 (PAGE 1 of 2)

Date Oct 27th to Oct 31st, 2009

Water Table GL-2.4 m.

Elevation -0.644 m.

Driller Yani (smr)

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test							
									Depth in m	Sample No.	N-Value Blows/30cm	Blows Per Each 10 cm			N - Value			
												10	20	30	40	50		
1				[Clayey Silt Legend]	Clayey Silt	Brown	Very Soft	With a trace of fine sand at top portion to depth of 4.00m. Occasionally with medium grained gravel.	1.00	P-1	1/45	1/45'						
2										1.45								
3										2.50	UDS-1	Recovery = 55 cm						
4							Gray			3.75	P-2	1/20	1/20'					
5										5.00	P-3	1/45	1/45'					
6										5.45								
7										6.50	P-4	0/45	0/45'	SELF PENETRATION BY HAMMER				
8	-8.144	7.50	7.50	[Silty Clay Legend]	Silty Clay	Gray	Very Soft	With a few of decomposed wood and organic matters.	6.95									
9										8.00	P-5	1/45	1/45'					
10				[Clay Legend]				Homogenous. With a trace of sea shell fragment.	8.45									
11	-11.144	10.50	3.00			Light Gray	Very Soft			9.50	P-6	0/45	0/45'	SELF PENETRATION BY HAMMER				
12	-12.644	12.00	1.50			Gray	Soft		Mottled with brown.	11.00	P-7	0/45	0/45'	SELF PENETRATION BY HAMMER				
13				[Silty Clay Legend]	Silty Clay	Gray	Soft	Mottled with brown.	11.45									
14										12.65	P-8	4	1	1	2			
15	-15.394	14.75	2.75	[Clayey Silt Legend]	Clayey Silt	Grayish Brown	Soft	With a trace of fine sand.	12.95									
16										14.00	UDS-2	Recovery = 45 cm						
17	-17.144	16.50	1.75	[Clayey Silt Legend]	Clayey Silt	Grayish Brown	Medium Stiff	With a trace of fine sand.	14.50									
18										15.75	P-9	2/20	1	1				
19	-18.644	18.00	1.50	[Silty Sand Legend]	Silty Sand	Dark Brown	Loose	Sand is medium to coarse grained. With a trace of sea shell fragment.	17.15	P-10	8	2	3	3				
20										17.45								
21	-20.144	19.50	1.50	[Silty Sand Legend]	Silty Sand	Dark Brown	Very Dense	Sand is medium to coarse grained. With a trace of fine gravel. Moderately to strongly cemented.	18.65	P-11	9	2	3	4				
22										18.95								
23				[Sand Legend]	Sand	Dark Brown	Very Dense to Dense	Sand is fine to medium grained. Weakly to moderately cemented.	20.00	P-12	50/13	50/13	50 BLOWS/13cm					
24										20.13								
25	-23.144	22.50	3.00	[Sand Legend]					21.65	P-13	50/14	32	18/4'	50 BLOWS/14cm				
26										21.79								
27				[Sand Legend]					23.15	P-14	50/17	24	26/7'	50 BLOWS/17cm				
28										23.32								
29				[Silty Clay Legend]				Mottled with red. With a trace of sea shell fragment. Homogenous. Weakly cemented.	24.65	P-15	50/24	15	21	14/4'	50 BLOWS/24cm			
30										24.89								
31	-27.644	27.00	4.50	[Silty Clay Legend]	Silty Clay	Gray	Very Stiff		26.15	P-16	32	8	11	13				
32										26.45								
33				[Silty Clay Legend]					27.65	P-17	18	5	6	7				
34										27.95								
35				[Silty Clay Legend]					29.15	P-18	16	4	5	7				
36										29.45								
37	-39.094	38.45	11.45	[Silty Clay Legend]					30.50	UDS-3	Recovery = 42 cm							
38										31.00								

Prepared By : Soemarso

PT. PONDASI KISOCON RAYA

Checked By : Art

Approved By : YPC

FIG DRILLING LOG

Project No. J2130

Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Remarks
 P : Standard Penetration Test
 UDS : Open-Drive Undisturbed Sampling
 N : 9324405.90 ; E : 698896.85

Hole Number BH-03 (PAGE 2 of 2)

Date Oct 27th to Oct 31st, 2009

Water Table GL-2.4 m.

Elevation -0.644 m.

Driller Yani (smr)

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test									
									Depth in m	Sample No.	N-Value Blows/30cm	Blows Per Each 10 cm			N - Value					
												10cm	10cm	10cm	10	20	30	40	50	
31				x	Silty Clay	Gray	Very Stiff	Mottled with red. With a trace of sea shell fragment. Homogenous. Weakly cemented.	30.50											
				x					31.00	UDS-3	Recovery = 42 cm									
32				x					31.65	P-19	19	5	6	8						
				x					31.95											
33				x					33.15	P-20	23	6	8	9						
				x					33.45											
34				x					34.65	P-21	20	5	7	8						
				x					34.95											
35				x					36.15	P-22	19	6	5	8						
				x					36.45											
36				x					37.65	P-23	22	7	7	8						
				x					37.95											
38	-39.094	38.45	11.45	x																
39				o	Silty Sand	Gray	Very Dense	Sand is fine grained. Uniform graded.	39.15	P-24	50/24	16	21	13/4'						50 BLOWS/24cm
				o					39.39											
40	-40.644	40.00	1.55	x	Silty Clay	Gray	Hard	Mottled with brown. Weakly cemented.	40.65	P-25	43	11	14	18						
				x					40.95											
41	-42.144	41.50	1.50	o	Silty Sand	Gray	Very Dense	Sand is medium to coarse grained. With a trace of fine gravel at GL- 45.00 to 46.00m. Weakly to moderately cemented.	42.15	P-26	50/27	12	14	24/7'						50 BLOWS/27cm
				o					42.42											
42				o					43.50	P-27	50/12	50/12								50 BLOWS/12cm
				o					43.62											
43				o					45.15	P-28	50/21	21	22	7/1'						50 BLOWS/21cm
				o					45.36											
44	-46.644	46.00	4.50	x					46.65	P-29	14	5	4	5						
				x					46.95											
45				x	Silty Clay	Gray	Stiff to Very Stiff	Homogenous. Weakly cemented.	47.50	UDS-4	Recovery = 42 cm									
				x					48.00											
46				x					48.65	P-30	18	5	6	7						
				x					48.95											
47				x					50.15	P-31	23	6	8	9						
				x					50.45											
48				x																
49				x																
50	-51.094	50.45	4.45	x																
51				x																
52				x																
53				x																
54				x																
55				x																
56				x																
57				x																
58				x																
59				x																
60				x																
61				x																

Prepared By : Soemarso



PT. PONDASI KISOCON RAYA

Checked By : Art

Approved By : YPC

FIG DRILLING LOG

Project No. J2130

Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Hole Number BH-04 (PAGE 1 of 2)

Date Nov 3rd to 10th '2009

Water Table GL+2.58 m.

Elevation -6.184 m.

Driller Akhri (Smr)

Remarks
 P : Standard Penetration Test
 UDS : Open-Drive Undisturbed Sampling
 UDP : Undisturbed Piston Sampling
 N : 9324343.41 ; E : 698891.59

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test							
									Depth in m	Sample No.	N-Value Blows/30cm	Blows Per Each 10 cm			N - Value			
													10	20	30	40	50	
	-6.384	0.20	0.20	△-△-△	Concrete	Gray	Strong	Concrete Slab, base of pump station.										
1				x-x-x	Silty Clay	Brown to Brownish Gray	Very Soft	With a lot of sea shell fragment at GL- 4.00 to 6.50m. With high silt content at GL-6.00m.	1.50	P-1	0/45	0/45'						
2				x-x-x					1.95									
3				x-x-x					3.00	P-2	0/45	0/45'						
4				x-x-x					3.45									
5				x-x-x					4.00									
6				x-x-x					4.90	UDP-1	Recovery = 74 cm							
7				x-x-x					6.00									
8				x-x-x					6.45	P-3	0/45	0/45'						
9	-15.184	9.00	8.80	x-x-x					7.75	P-4	1/20	1/20'						
10				x-x-x	Clayey Silt	Grayish Brown	Very Soft	With a few of fine sand grained.	9.00									
11				x-x-x					9.45	P-5	0/45	0/45'						
12	-17.684	11.50	2.50	x-x-x					10.00									
13				x-x-x	Silty Clay	Brownish Gray	Stiff	Homogenous.	10.70	UDP-2	Recovery = 45 cm							
14	-19.184	13.00	1.50	x-x-x					11.65									
15				x-x-x	Silty Sand	Brown	Very Stiff to Hard	With high silt content at top portion. Weakly to moderately cemented. Sand is fine to medium grained.	11.95	P-6	9	3	3	3				
16				x-x-x					13.15									
17	-22.684	16.50	3.50	x-x-x	Silty Sand	Brown	Medium Dense	Sand is fine to medium grained.	13.45	P-7	22	5	10	7				
18				x-x-x					14.65									
19				x-x-x					14.90	P-8	50/25	8	11	31/5'			50 BLOWS/25cm	
20				x-x-x					15.65									
21				x-x-x					15.88	P-9	50/23	7	16	27/3'			50 BLOWS/23cm	
22	-28.184	22.00	4.00	x-x-x	Silty Sand	Brown	Very Dense	Sand is fine grained.	16.65									
23				x-x-x					16.95	P-10	24	7	7	10				
24				x-x-x	Silty Clay	Dark Gray	Stiff to Very Stiff	With a few of black organic matters at GL-25.00m. Mottled with yellowish brown patches at GL- 26.50 to 33.50m. With trace of fine sand at bottom portion.	18.15									
25				x-x-x					18.29	P-11	50/14	30	20/4'			50 BLOWS/14cm		
26				x-x-x					19.15									
27				x-x-x					19.40	P-12	50/25	14	18	18/5'			50 BLOWS/25cm	
28				x-x-x					20.15									
29				x-x-x		Dark Gray			20.43	P-13	50/28	12	17	21/8'			50 BLOWS/28cm	
30				x-x-x					21.15									
31	-39.684	33.50	11.50	x-x-x		Light Gray			21.45	P-14	50	11	13	26			50 BLOWS/30cm	
				x-x-x	Silty Clay	Dark Gray	Stiff to Very Stiff		22.15									
				x-x-x					22.45	P-15	18	6	6	6				
				x-x-x					23.65									
				x-x-x					23.95	P-16	10	3	3	4				
				x-x-x					25.15									
				x-x-x					25.45	P-17	10	2	3	5				
				x-x-x					26.65									
				x-x-x					26.95	P-18	28	8	9	11				
				x-x-x					28.15									
				x-x-x					28.45	P-19	19	5	6	8				
				x-x-x					29.15									
				x-x-x					29.45	P-20	14	3	5	6				
				x-x-x					30.50									
				x-x-x					31.00	UDS-1	Recovery = 36 cm							

Prepared By : Soemarso



PT. PONDASI KISOCON RAYA

Checked By : Art

Approved By : YPC

FIG DRILLING LOG

Project No. J2130

Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Hole Number BH-04 (PAGE 2 of 2)

Date Nov 3rd to 10th '2009

Water Table GL+2.58 m.

Elevation -6.184 m.

Driller Akhri (Smr)

Remarks

P : Standard Penetration Test
 UDS : Open-Drive Undisturbed Sampling
 UDP : Undisturbed Piston Sampling
 N : 9324343.41 ; E : 698891.59

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test									
									Depth in m	Sample No.	N-Value Blows/30cm	Blows Per Each 10 cm			N - Value					
												10cm	10cm	10cm	10	20	30	40	50	
31				x	Silty Clay	Dark Gray	Stiff to Very Stiff	With a few of black organic matters at GL-25.00m. Mottled with yellowish brown patches at GL- 26.50 to 33.50m. With trace of fine sand at bottom portion.												
32				x					31.65 31.95	P-21	13	4	4	5						
33				x																
34	-39.684	33.50	11.50	x	Silty Sand	Dark Gray	Very Dense	Sand is medium to coarse grained. Silt content decreases with depth. With a few of fine gravel size at GL- 39.50 to 42.00m.												
35				x					33.15 33.45	P-22	18	5	6	7						
36				x					34.15 34.39	P-23	50/24	15	23	12/4'	50 BLOWS/24cm					
37				x					35.15 35.42	P-24	50/27	15	19	16/7'	50 BLOWS/27cm					
38				x					36.65 36.92	P-25	50/27	11	17	22/7'	50 BLOWS/27cm					
39				x					37.65 37.93	P-26	50/28	13	17	20/8'	50 BLOWS/28cm					
40				x					38.65 38.83	P-27	50/18	25	25/8'		50 BLOWS/18cm					
41				x					39.65 39.79	P-28	50/14	30	20/4'		50 BLOWS/14cm					
42	-48.184	42.00	8.50	x					40.65 40.77	P-29	50/12	32	18/2'		50 BLOWS/12cm					
43				x	Silty Clay	Gray	Very Stiff		Weakly cemented.											
44				x				41.65 41.75		P-30	50/10	50			50 BLOWS/10cm					
45	-51.184	45.00	3.00	x				42.65 42.95	P-31	21	10	5	6							
46				x	Sand	Dark Gray	Medium Dense to Very Dense	Sand is fine to medium grained. With a trace of silt at GL- 48.00 to 48.75m.												
47				x					44.15 44.45	P-32	29	10	9	10						
48				x					45.65 45.95	P-33	29	9	10	10						
49	-54.934	48.75	3.75	x					47.15 47.43	P-34	50/28	16	18	16/8'	50 BLOWS/28cm					
50	-56.554	50.37	1.62	x	Silty Clay	Gray	Hard	Weakly to moderately cemented.												
51				x					48.15 48.45	P-35	45	14	14	17						
52				x				49.15 49.35	P-36	50/20	18	32		50 BLOWS/20cm						
53				x				50.15 50.37	P-37	50/22	17	22	11/2'	50 BLOWS/22cm						
54				x																
55				x																
56				x																
57				x																
58				x																
59				x																
60				x																
61				x																

Prepared By : Soemarso



PT. PONDASI KISOCON RAYA

Checked By : Art

Approved By : YPC

FIG DRILLING LOG

Project No. J2130

Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Remarks
 P : Standard Penetration Test
 UDS : Open-Drive Undisturbed Sampling
 UDP : Undisturbed Piston Sampling
 N : 9324454.63 ; E : 698886.08

Hole Number BH-05 (PAGE 1 of 2)

Date Nov 8th to 16th '2009

Water Table GL+3.05 m.

Elevation -2.069 m.

Driller Yani (Smr)

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test									
									Depth in m	Sample No.	N-Value Blows/30cm	Blows Per Each 10 cm			N - Value					
												10	20	30	40	50				
1				[Clayey Silt Legend]	Clayey Silt	Gray	Medium Stiff to Soft	With a trace of fine sand and organic matters. With a trace of sea shell fragment at GL- around 3.00 to 4.00m.												
2										1.65	P-1	6	2	2	2					
3																				
4	-6.096	4.00	4.00								3.60	UDS-1	Recovery = 55 cm							
5	-7.069	5.00	1.00	[Sandy Silt Legend]	Sandy Silt	Gray	Very Soft	Sand is fine grained and organic matters.												
6																				
7				[Clay Legend]	Clay	Gray	Very Soft	Homogenous. With sea shell fragment increases with depth.												
8																				
9																				
10																				
11	-13.069	11.00	6.00																	
12	-14.069	12.00	1.00		[Silty Clay Legend]	Silty Clay	Gray		Very Soft	Mottled with brown.										
13					[Clayey Silt Legend]	Clayey Silt	Reddish Brown		Very Soft	Mottled with gray.										
14	-16.069	14.00	2.00																	
15																				
16					[Clayey Silt Legend]	Clayey Silt	Brown		Stiff	With a trace of fine sand at GL- 16.00 to 17.00m.										
17	-19.069	17.00	3.00																	
18				[Sand Legend]	Sand	Gray	Dense	Sand is fine grained with a trace of silt. Moderately cemented.												
19																				
20	-20.569	18.50	1.50																	
21																				
22																				
23	-25.069	23.00	4.50																	
24																				
25																				
26	-28.069	26.00	3.00																	
27					[Silty Clay Legend]	Silty Clay	Very Stiff		Gray	Mottled with brown. With a trace of sea shell fragment at GL- around 27.50m. Weakly cemented. Homogenous.										
28																				
29																				
30																				
31	-37.069	35.00	9.00																	

Prepared By : Soemarso



PT. PONDASI KISOCON RAYA

Checked By : Art

Approved By : YPC

FIG DRILLING LOG


Project No. J2130 Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Hole Number BH-05 (PAGE 2 of 2) Date Nov 8th to 16th '2009

Water Table GL+3.05 m. Elevation -2.069 m. Driller Yani (Smr)

Remarks
 P : Standard Penetration Test
 UDS : Open-Drive Undisturbed Sampling
 UDP : Undisturbed Piston Sampling
 N : 9324454.63 ; E : 698886.08

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test									
									Depth in m.	Sample No.	N - Value Blows/30cm	Blows Per Each 10 cm			N - Value					
												10cm	10cm	10cm	10	20	30	40	50	
31				XXXXXX	Silty Clay	Very Stiff	Gray	Mottled with brown. With a trace of sea shell fragment at GL- around 27.50m. Weakly cemented. Homogenous.	31.15	P-20	21	6	7	8						
32				XXXXXX					31.45											
33				XXXXXX					32.65	P-21	20	6	6	8						
34				XXXXXX					32.95											
35	-37.069	35.00	9.00	XXXXXX					34.15	P-22	19	5	6	8						
36				XXXXXX	Silty Sand	Gray	Medium Dense	Sand is fine to medium grained.	34.45											
37	-38.569	36.50	1.50	XXXXXX					35.65	P-23	29	7	10	12						
38				XXXXXX	Sand	Gray to Grayish Black	Very Dense to Dense	Sand is fine to coarse grained. with a lot of silt at GL-38.0m and a trace of silt trough out the layer. Occasionally weakly to moderately cemented. With a trace of fine gravel at bottom portion.	37.15	P-24	50/18	26	24/8'			50 BLOWS/18cm				
39				XXXXXX					37.33											
40				XXXXXX					38.15	P-25	50/9	50/9'			50 BLOWS/9cm					
41				XXXXXX					38.24											
42				XXXXXX					39.15	P-26	50/14	33	17/4'			50 BLOWS/14cm				
43				XXXXXX					39.29											
44	-45.569	43.50	7.00	XXXXXX	Clayey Silt	Light Gray	Hard	Moderately Cemented.	40.15	P-27	50/23	15	25	10/3'		50 BLOWS/23cm				
45				XXXXXX					40.38											
46	-46.569	44.50	1.00	XXXXXX					41.15	P-28	50/22	17	23	10/2'		50 BLOWS/22cm				
47				XXXXXX					41.37											
48				XXXXXX					42.15	P-29	50/22	16	24	10/2'		50 BLOWS/22cm				
49				XXXXXX					42.37											
50	-45.569	43.50	7.00	XXXXXX	Clayey Silt	Light Gray	Hard	Moderately Cemented.	43.15	P-30	39	13	12	14						
51				XXXXXX					43.45											
52	-46.569	44.50	1.00	XXXXXX	Silty Sand	Dark Brown to Gray	Very Dense	Sand is fine to medium grained. Weakly to Moderately cemented. With a trace of fine gravel.	44.15	P-31	50/22	19	23	8/2'		50 BLOWS/22cm				
53				XXXXXX					44.37											
54				XXXXXX					45.15	P-32	50/18	22	28/8'			50 BLOWS/18cm				
55				XXXXXX					45.33											
56				XXXXXX					46.15	P-33	50/9	50/9'			50 BLOWS/9cm					
57				XXXXXX					46.24											
58				XXXXXX					47.15	P-34	50/18	21	29/8'			50 BLOWS/18cm				
59	-50.069	48.00	2.50	XXXXXX					47.33											
60				XXXXXX					48.15	P-35	42	11	9	22						
61				XXXXXX	Silty Clay	Gray	Very Stiff to Hard	Weakly cemented at GL- 48.00 to 48.75m.	48.15											
	-52.519	50.45	2.45	XXXXXX					48.45	P-36	29	9	9	11						
				XXXXXX					49.15											
				XXXXXX					49.45	P-37	30	10	9	11						
				XXXXXX					50.15											
				XXXXXX					50.45	P-37	30	10	9	11						
51					-END OF DRILLING-															
52																				
53																				
54																				
55																				
56																				
57																				
58																				
59																				
60																				
61																				

Prepared By : Soemarso  PT. PONDASI KISOCON RAYA Checked By : Art Approved By : YPC

Field/Boring
 Rev.0
 1 Feb. 2003

ISO 9001:2000
 B.11

FIG DRILLING LOG

Project No. J2130

Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Remarks
 P : Standard Penetration Test
 UDS : Open-Drive Undisturbed Sampling
 UDP : Undisturbed Piston Sampling
 N : 9324434.74 ; E : 698804.80

Hole Number BH-06 (PAGE 1 of 2)

Date Nov 14th to 19th '2009

Water Table GL+2.85 m.

Elevation -3.164 m.

Driller Akhiri (Smr)

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test									
									Depth in m	Sample No.	N-Value Blows/30cm	Blows Per Each 10 cm			N - Value					
												10cm	10cm	10cm	10	20	30	40	50	
1					Silty Clay	Gray	Very Soft	With some of organic matters.												
2									1.50	P-1	0/45	0/45'								
3									1.95											
4									3.00	P-2	1/45	1/45'								
5									3.45											
6									4.00											
7	-9.664	6.50	6.50		Clay	Gray	Very Soft to Soft	High Plasticity. With a few of sea shell fragment around GL-9.0 to 10.5m	4.90	UDP-1			Recovery = 70 cm							
8									5.50											
9									5.95	P-3	0/45	0/45'								
10									7.00											
11									7.45	P-4	0/45	0/45'								
12	15.164	12.00	5.50		Clayey Silt	Gray	Very soft	Mottled with brown	8.00											
13									8.90	UDP-2			Recovery = 89 cm							
14	-16.664	13.50	1.50		Clayey Silt	Gray to Greyish Brown	Medium Stiff to Stiff	Mottled with brown at top portion. Spotted with yellowish brown at bottom portion. Moderately cemented.	9.50											
15									9.95	P-5	0/45	0/45'								
16									11.15											
17	-19.664	16.50	3.00		Silty Sand	Brown Reddish Brown	Very Dense	Sand is medium to coarse grained. With a trace of fine gravel. Moderately cemented.	11.45	P-6	4	1	1	2						
18									12.50											
19	-21.664	18.50	2.00		Sand	Brown	Very Dense	Sand is fine grained. With a trace of fine gravel at GL-20.0 to 21.5m. Weakly cemented around GL-20.0 to 21.0m.	12.95	P-7	1/45	1/45'								
20									13.50											
21									14.00	UDS-1			Recovery = 41 cm							
22									14.65											
23									14.95	P-8	15	6	4	5						
24	-27.164	24.00	5.50		Silty Clay	Gray	Stiff to Very Stiff	Mottled with brown. With a trace of sea shell fragment around GL-25.5 to 27.0m. Weakly cemented around GL-27.5 to 30.0m.	16.15											
25									16.65	P-9	50/29	5	15	30/9						
26									17.00											
27									17.14	P-10	50/14	50/14								
28									18.15											
29									18.35	P-11	50/20	16	34							
30									19.15											
31	-39.164	36.00	12.00						19.35	P-12	50/20	19	31							
									20.00											
									20.16	P-13	50/10	19	50/10							
									21.00											
									21.16	P-14	50/9	21	50/9							
									22.15											
									22.33	P-15	50/18	24	26/8'							
									23.15											
									23.49	P-16	50/25	14	22	14/5						
									24.15											
									24.45	P-17	19	6	6	7						
									25.65											
									25.95	P-18	14	5	5	4						
									26.50											
									27.10	UDS-2			Recovery = 59 cm							
									27.65											
									27.95	P-19	22	7	7	8						
									29.15											
									29.45	P-20	24	7	8	9						
									30.65											
									30.95	P-21	20	6	6	8						

Prepared By : Soemarso



PT. PONDASI KISOCON RAYA

Checked By : Art

Approved By : YPC

FIG DRILLING LOG

Project No. J2130

Project S.I. for Pump House at Pluit, Jakarta Type of Drilling Rotary Wash Boring

Remarks
 P : Standard Penetration Test
 UDS : Open-Drive Undisturbed Sampling
 UDP : Undisturbed Piston Sampling
 N : 9324434.74 ; E : 698804.80

Hole Number BH-06 (PAGE 2 of 2)

Date Nov 14th to 19th '2009

Water Table GL.+2.85 m.

Elevation -3.164 m.

Driller Akhiri (Smr)

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Colour	Relative Density or Consistency	General Remarks	Sampling		Standard Penetration Test									
									Depth in m.	Sample No.	N-Value Blows/30cm	Blows Per Each 10 cm			N - Value					
												10cm	10cm	10cm	10	20	30	40	50	
31				x	Silty Clay	Gray	Stiff to Very Stiff	Mottled with brown. With a trace of sea shell fragment around GL-25.5 to 27.0m. Weakly cemented around GL-27.5 to 30.0m.	30.65	P-21	20	6	6	8						
32				x					32.15	P-22	18	5	6	7						
33				x					33.65	P-23	16	4	5	7						
34				x					35.15	P-24	20	6	7	7						
36	-39.164	36.00	12.00	x					36.65	P-25	50/17	20	30/7'		50 BLOWS/17cm					
37				x	Sandy Silt	Gray	Hard	Sand is fine to medium grained. Moderately to strongly cemented. With a trace of fine gravel.	36.82											
38				x					37.65	P-26	50/5	50/5'		50 BLOWS/5cm						
39				x					38.65	P-27	50/25	15	19	16/5'	50 BLOWS/25cm					
40	-42.664	39.50	3.50	x	Sand	Gray	Very Dense	Sand is fine grained. With a few of silt.	39.65	P-28	50/28	14	20	16/8'	50 BLOWS/28cm					
41	-43.664	40.50	1.00	x					39.93											
42				x	Silty Sand	Gray to Dark Gray	Very Dense to Dense	Sand is fine to coarse grained. Occasionally with some of fine gravel. Weakly to moderately cemented.	40.65	P-29	47	10	15	22						
43				x					41.65	P-30	50/12	35	15/2'	50 BLOWS/12cm						
44				x					42.50	P-31	50/14	50/14'		50 BLOWS/14cm						
45				x					43.65	P-32	50/16	28	22/6'	50 BLOWS/16cm						
46				x					44.65	P-33	43	14	14	15						
47				x					45.65	P-34	50/15	18	32/5'	50 BLOWS/15cm						
48	-50.664	47.50	7.00	x					46.65	P-35	50/7	50/7'		50 BLOWS/7cm						
49				x	Silty Clay	Gray	Hard to Very Stiff	Weakly cemented at top portion. With a few of white dots bottom portion.	47.65	P-36	36	11	12	13						
50				x					48.65	P-37	26	8	8	10						
51	-53.614	50.45	2.95	x					50.15	P-38	27	10	8	9						
52									50.45											
53																				
54																				
55																				
56																				
57																				
58																				
59																				
60																				
61																				

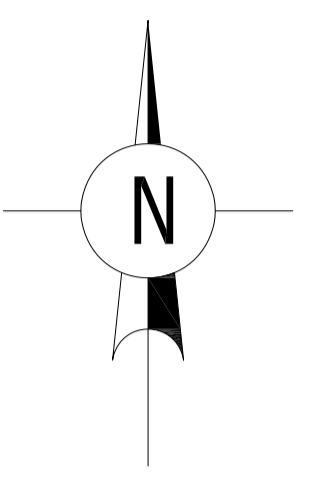
Prepared By : Soemarso



PT. PONDASI KISOCON RAYA Checked By : Art

Approved By : YPC

資料一 9 測量結果



Notes

THIS MAP WAS BASED ON THE FIELD SURVEY CONDUCTED ON DECEMBER 2009 FOR THE SURVEY REFERENCE, THE FOLLOWING PARAMETER ARE ADOPTED

1. HORIZONTAL CONTROL POINT
 FOR THE HORIZONTAL CONTROL POINT, UTM (WGS'84) ZONE - 48 COORDINATE SYSTEM WAS ADOPTED THE REFERENCE POINTS IS BPN 0905013 WITH COORDINATES AS FOLLOWS

NO	CODE	NORTHING (Y)	EASTING (X)	ELEV
1	0905013	9322731.885	698546.231	

2. VERTICAL CONTROL POINT
 ALL ELEVATION WAS STARTED FROM TTG PDK DAYUNG WITH ELEVATION = 0.826M (MSL)

Legend

- = BENCH MARK
- = ROAD
- = DRAINAGE / POND
- = TELEPHONE POLE
- = ELECTRICAL POLE
- = CONTOUR LINE
- = SPOT HEIGHT
- = BOREHOLE
- = BUILDING
- = HOUSE
- = COCONUT TREE

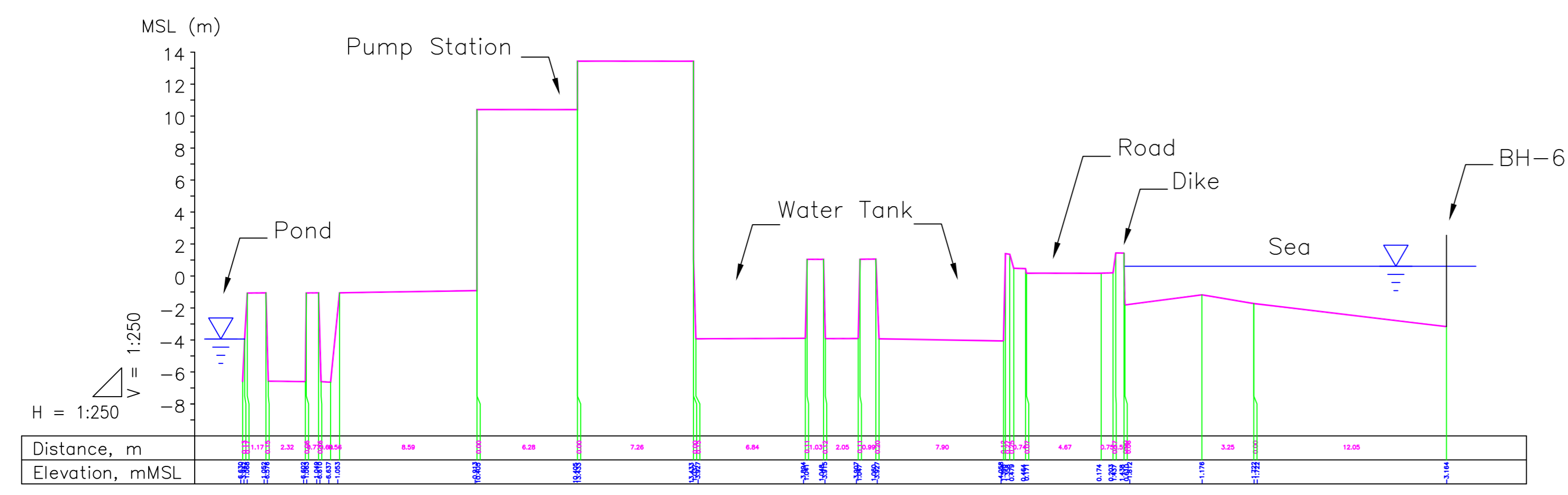
Client
 YACHIYO ENGINEERING CO., LTD.

Surveyed by
PT. PONDASI KISOCON RAYA
 14th Floor, Graha Sucofindo, Jl. Raya Ps. Minggu, Kav. 34
 Jakarta 12780, INDONESIA
 Tel: +62-21-798-6663, 798-6670 Fax: +62-21-798-7024
 Email: kisocon@rad.net.id

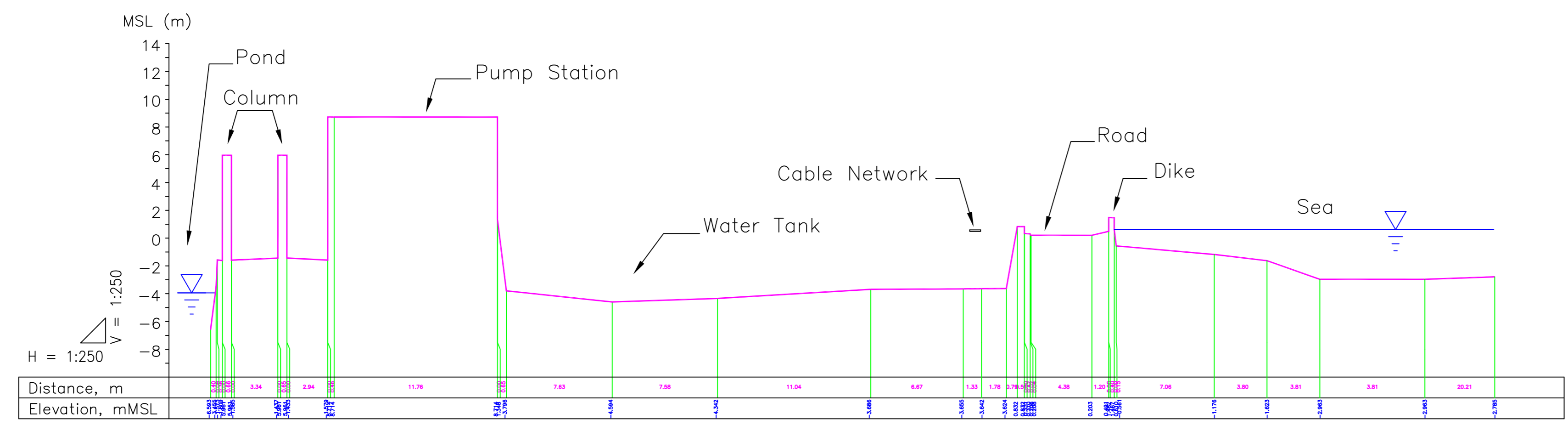
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 THE PREPARATORY SURVEY ON THE PROJECT FOR THE URGENT RECONSTRUCTION OF EAST PUMP HOUSE STATION OF PLUIT IN JAKARTA IN THE REPUBLIC OF INDONESIA

Drawing Title
 TOPOGRAPHIC MAP OF PLUIT PUMP HOUSE IN JAKARTA, INDONESIA

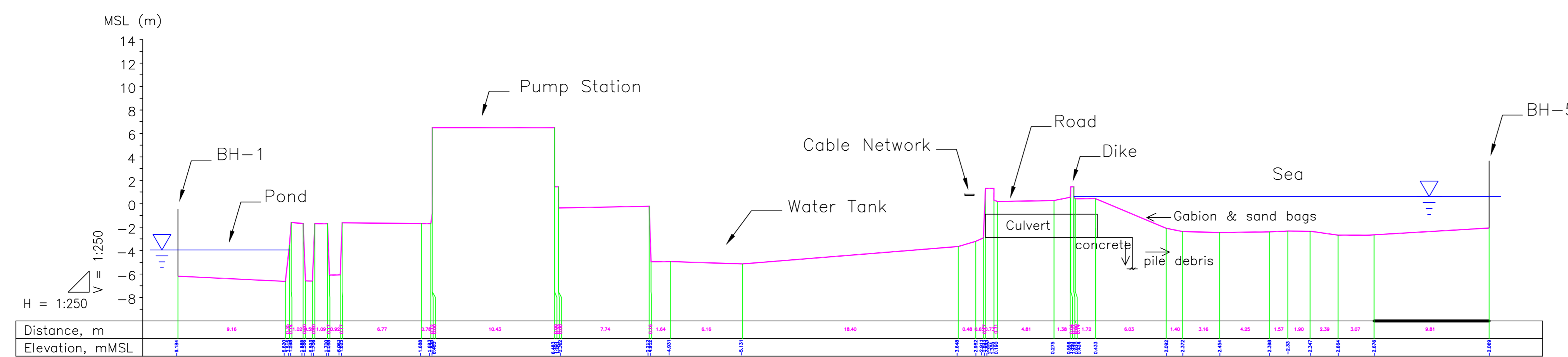
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Approved		
Drawing No.	Drawing Sheet No.	Scale
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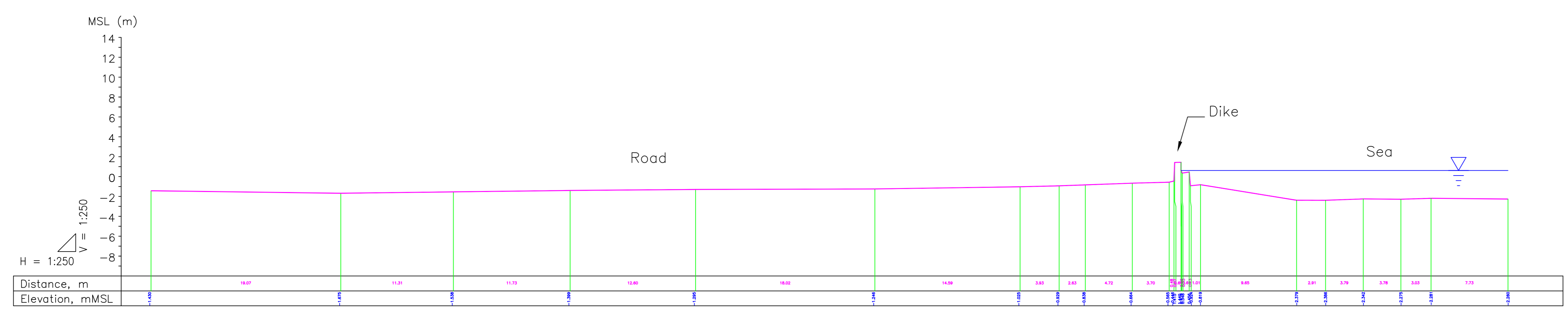
Section A-A



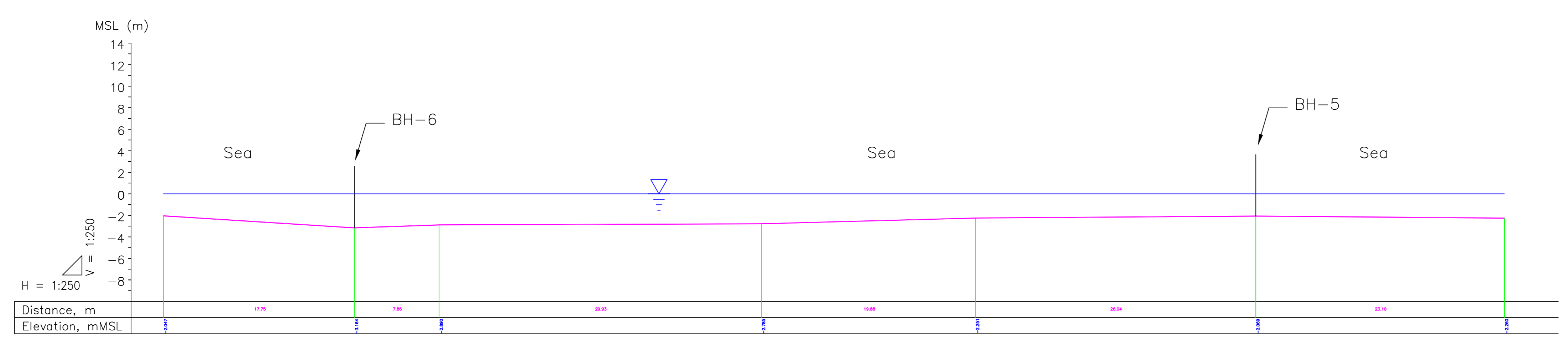
Section B-B



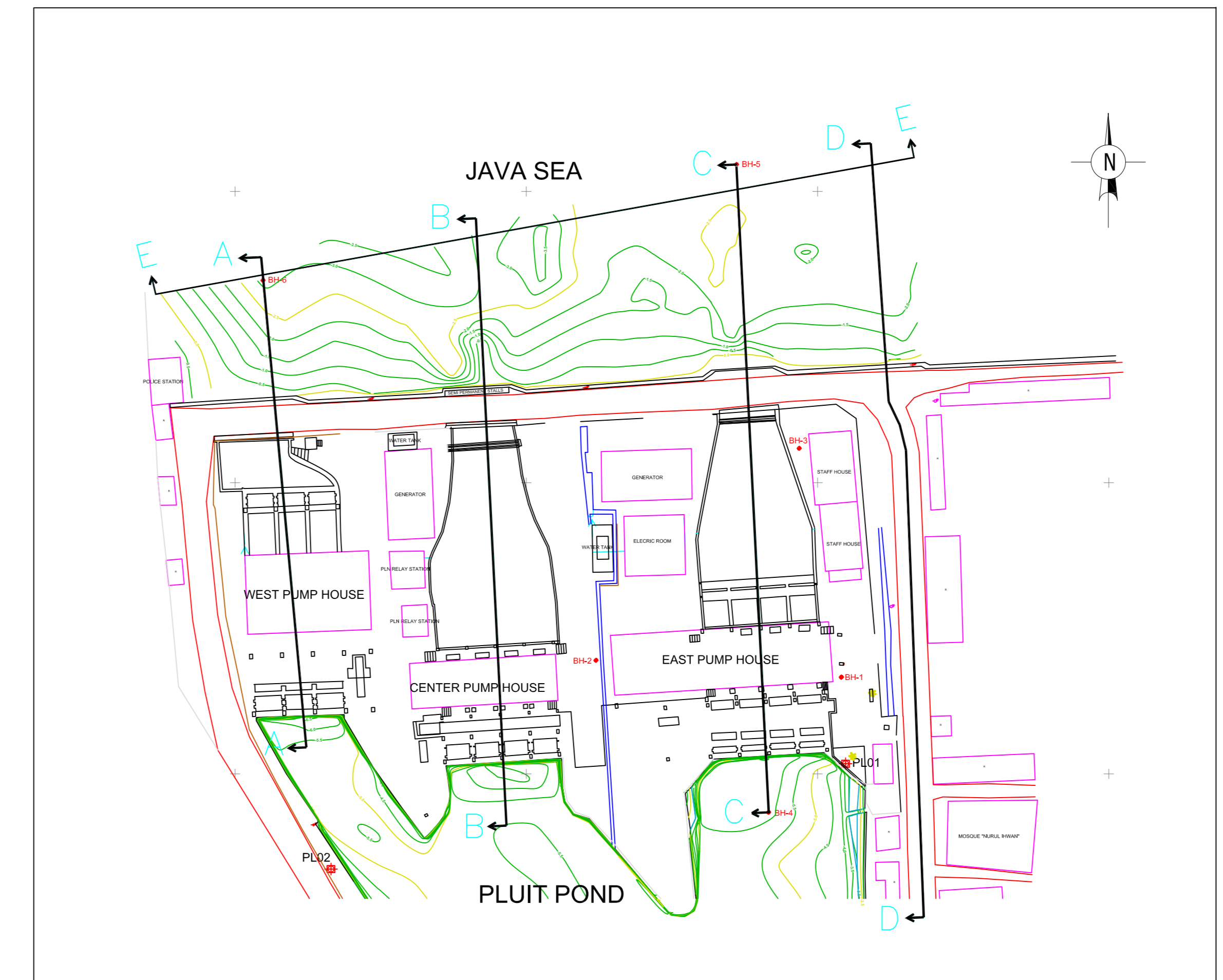
Section C-C



Section D-D



Section E-E



Notes

THIS MAP WAS BASED ON THE FIELD SURVEY CONDUCTED ON DECEMBER 2009 FOR THE SURVEY REFERENCE, THE FOLLOWING PARAMETER ARE ADOPTED

1. HORIZONTAL CONTROL POINT FOR THE HORIZONTAL CONTROL POINT, UTM (WGS'84) ZONE - 48 COORDINATE SYSTEM WAS ADOPTED THE REFERENCE POINTS IS BPN 0905013 WITH COORDINATES AS FOLLOWS

NO	CODE	NORTHING (Y)	EASTING (X)	ELEV
1	0905013	9322731.885	698546.231	

2. VERTICAL CONTROL POINT ALL ELEVATION WAS STARTED FROM TTG PDK DAYUNG WITH ELEVATION = 0.826M (MSL)

Legend

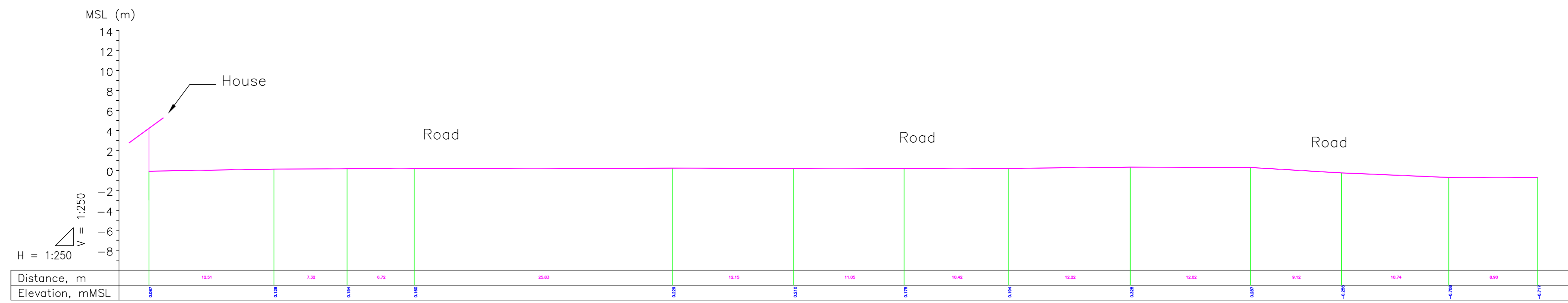
Client
YACHIYO ENGINEERING CO., LTD.

Surveyed by
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14th Floor, Graha Sucofindo, Jl. Raya Ps. Minggu, Kav. 34
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Email: kisocon@rad.net.id

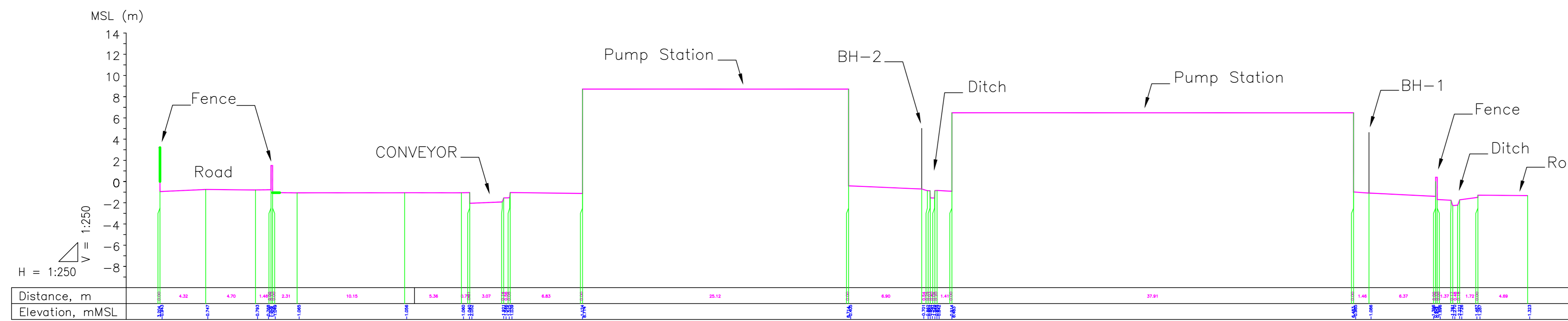
Project Name
THE PREPARATORY SURVEY ON THE PROJECT FOR THE URGENT RECONSTRUCTION OF EAST PUMP HOUSE STATION OF PLUIT IN JAKARTA IN THE REPUBLIC OF INDONESIA

Drawing Title
CROSS SECTION OF PLUIT PUMP HOUSE (SECTIONS A-A to E-E)

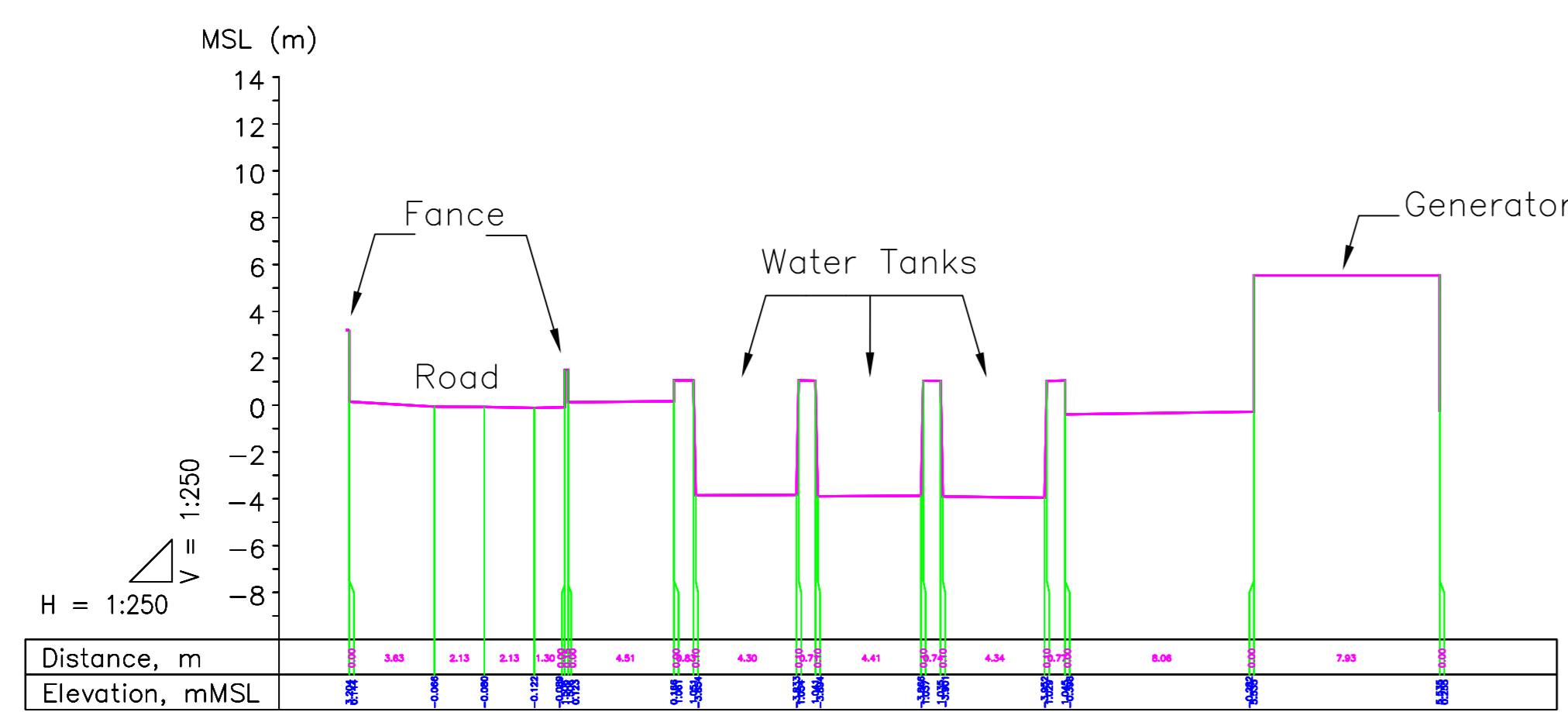
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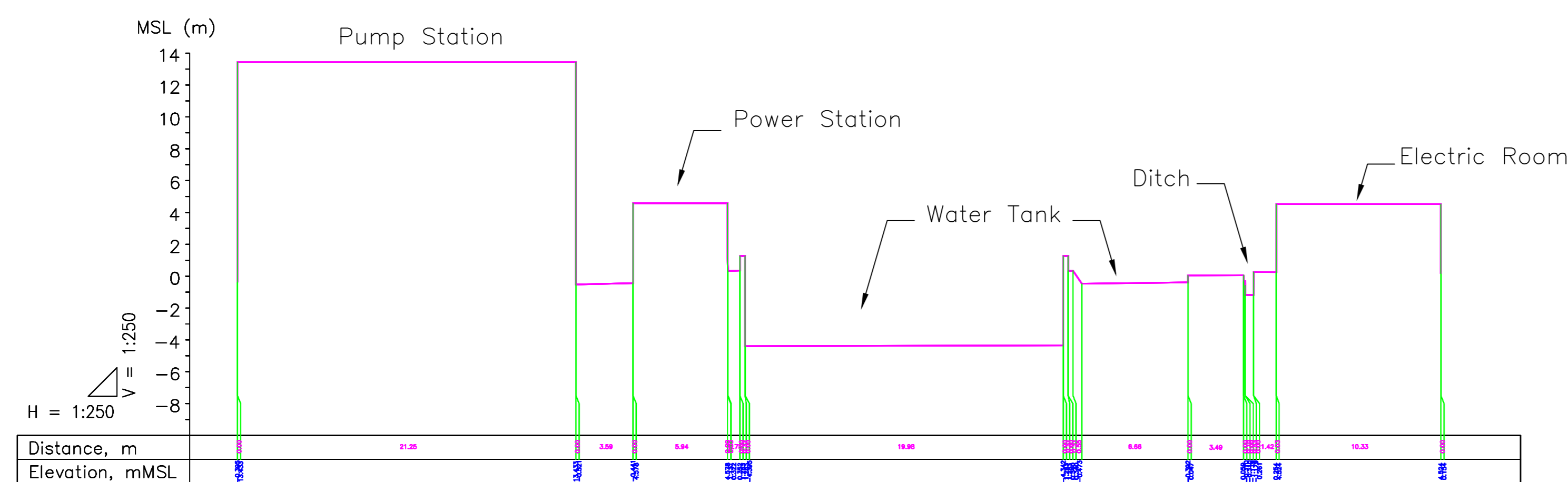
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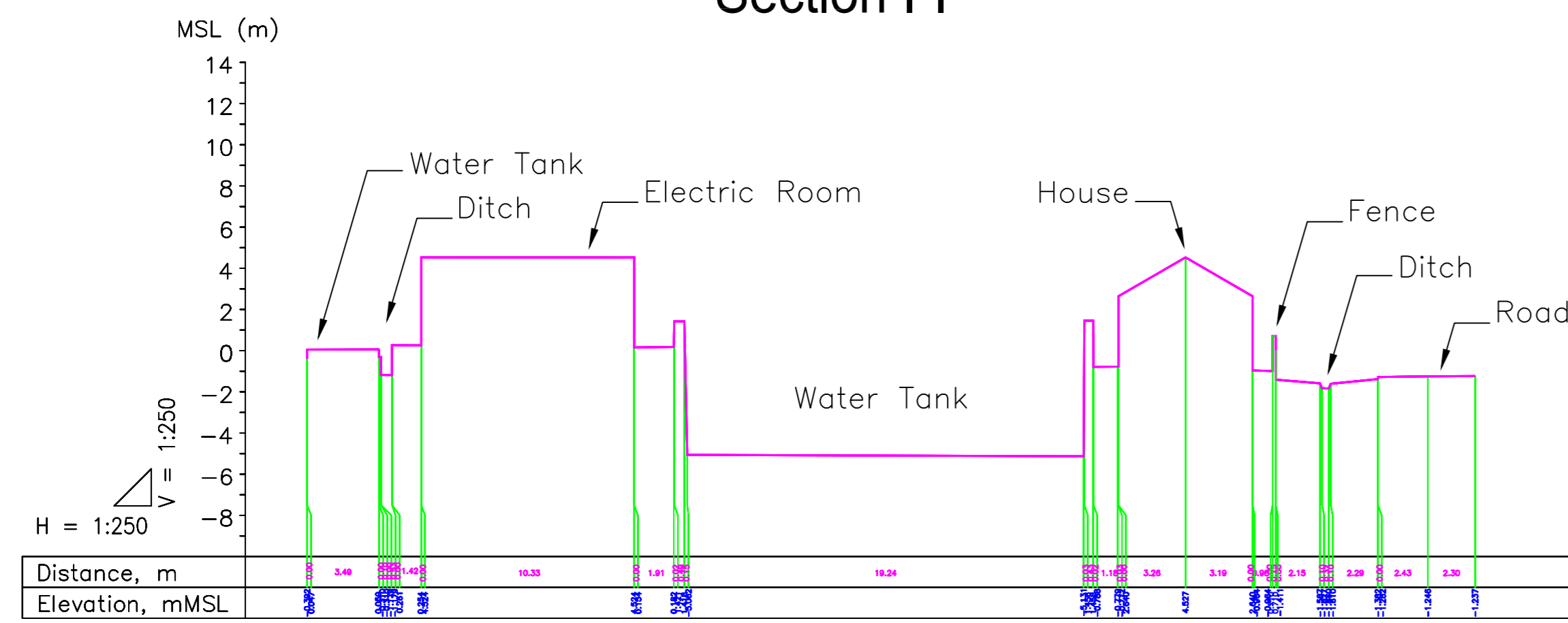
Section G-G



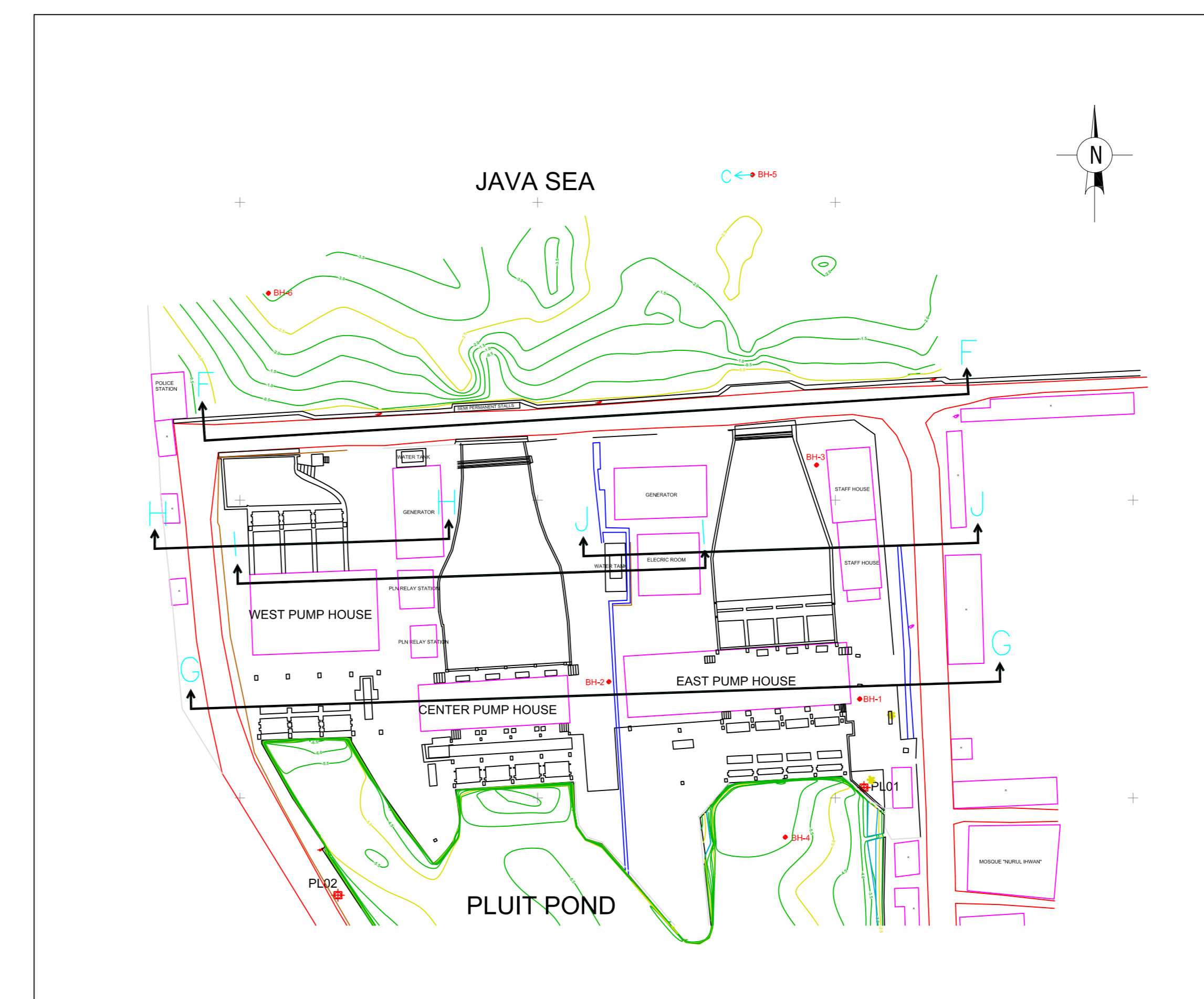
Section H-H



Section I-I



Section J-J



Notes

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1. HORIZONTAL CONTROL POINT FOR THE HORIZONTAL CONTROL POINT, UTM (WGS'84) ZONE - 48 COORDINATE SYSTEM WAS ADOPTED THE REFERENCE POINTS IS BPN 0905013 WITH COORDINATES AS FOLLOWS

NO	CODE	NORTHING (Y)	EASTING (X)	ELEV
1	0905013	9322731.885	698546.231	

2. VERTICAL CONTROL POINT ALL ELEVATION WAS STARTED FROM TTG PDK DAYUNG WITH ELEVATION = 0.826M (MSL)

Legend

Client

YACHIYO ENGINEERING CO., LTD.

Surveyed by

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Project Name

THE PREPARATORY SURVEY ON THE PROJECT FOR THE URGENT RECONSTRUCTION OF EAST PUMP HOUSE STATION OF PLUIT IN JAKARTA IN THE REPUBLIC OF INDONESIA

Drawing Title

CROSS SECTION OF PLUIT PUMP HOUSE (SECTIONS F-F to J-J)

Drafter

Checked

Approved

Drawing No.

Drawing Sheet No.

Scale

02

02

1:250

資料－１０ 参考資料／収集資料リスト

資料—10 収集資料リスト

番号	資料の名称	形態 図書・ビデオ 地図・写真等	オリジナル・ コピー	発行機関	発行年
1	Mejor Drainage Works Component in JUDP II , Pekapuran Tidal Gate Contract Documents for Package 3, Vol.IV Drawings	図面	コピー	Ciliwung-Cisadane River Basin Development Project, and PT. Teguh Raksa Jaya	1994
2	Land subsidence characteristics of Jakarta between 1997 and 2005, as estimated using GPS surveys	文書	コピー	Springer-Verlag	2007
3	Land Subsidence of Jakarta (Indonesia) and its Geodetic Monitoring System	文書	コピー	Natural Hazards	2001
4	Land Subsidence Characteristics of the Jakarta Basin (Indonesia) and its Relation with Groundwater Extraction and Sea Level Rise	文書	コピー	Institute of Technology Bandung	
5	Stratigrafi dan Hidrostratigrafi Cekungan Airtanah Jakarta	文書	コピー		
6	Groundwater recharge and discharge processes in the Jakarta groundwater basin, Indonesia	文書	コピー	Springer-Verlag	Feb. 2008
7	Monitoring Land Subsidence of Jakarta (Indonesia) Using Leveling, GPS Survey and InSAR Techniques	文書	コピー	Institute of Technology Bandung	
8	Jakarta - STOTEN paper (The contribution of human activities to subsurface environment degradation in Greater Jakarta Area, Indonesia)	文書	コピー	Sci Total Environ	2008
9	Land Subsidence Characteristics of the Jakarta Basin (Indonesia) as estimated from Leveling, GPS and InSAR and its Environmental Impacts	文書	コピー	Institute of Technology Bandung	Dec. 2008

番号	資料の名称	形態 図書・ビデオ 地図・写真等	オリジナル・ コピー	発行機関	発行年
10	Existing Drawing Darurat Penanganan Kebocoran Pompa Pluit Timur	図面	コピー	Ministry of Public Works Directorate General of Water Resources Development	2009
11	Major Drainage Works Component in JUDP- II Design Drawings – Package 2 Rehabilitation of Pluit Pumps and Appurtenances	図面	コピー	Ministry of Public Works Directorate General of Water Resources Development	
12	Shop Drawing Perbaikan Pompa, Saringan Sampah Dan Pintu Air Di 5 Kotamadya Jakarta	図面	コピー	Ministry of Public Works Directorate General of Water Resources Development	2009
13	BUKU PETUNJUK OPERASI DAN PERAWATAN POMPA AXIAL	文書	コピー	DPU PROVINSI DKI JAKARTA	
14	Proyek Penyelesaian Sistem Pompa Air Cideng	図面	コピー	DPU PROVINSI DKI JAKARTA	2009
15	Diagram Satu Garis	文書	コピー	PT. PLN	Oct. 2009
16	Laporan Akhir Penyerapan DPA-SKPD 2008	文書	コピー	DPU PROVINSI DKI JAKARTA	2008
17	Laporan Akhir Penyerapan DPA-SKPD 2009	文書	コピー	DPU PROVINSI DKI JAKARTA	2009
18	Lampiran Data Penyerapan 2007	文書	コピー	DPU PROVINSI DKI JAKARTA	Dec. 2007
19	Lampiran Data Penyerapan 2008	文書	コピー	DPU PROVINSI DKI JAKARTA	Dec. 2008
20	Rekapitulasi Monitoring Pelaksanaan Kegiatan DPA-SKPD	文書	コピー	DPU PROVINSI DKI JAKARTA	Sep. 2009
21	Design Report	文書	コピー	PT. Sugitek Patih Perkasa	2002

番号	資料の名称	形態 図書・ビデオ 地図・写真等	オリジナル・ コピー	発行機関	発行年
	Pump Station Pluit III Volume II C Laporan Pendukung Mekanikal & Elektrikal 2002				
22	Volume III C Dokumen Tender Gambar Rencana Rumah Pompa Pluit III	図面	コピー	PT. Sugitek Patih Perkasa	2002
23	Flood Alert Guideline	文書	コピー	DPU PROVINSI DKI JAKARTA	2008
24	Keputusan Kepala Biro Prasarana Dan Sarana Kota Setda Provinsi Daerah Khusus Ibukota Jakarta	文書	コピー	Patokan Harga Satuan Bahan Dan Upah Pekerjaan Bidang / Jasa Pemborongan Provinsi DKI Jakarta	Jul. 2009
25	PERENCANAAN TEKNIS PENGENDALIAN AIR PENGANTIAN POMPA PLUIT	図面	コピー	DPU PROPINSI DKI JAKARTA	2005
26	Laporan Hasil Penyelidikan Tanah Untuk Keperluan Perencanaan Pondasi Proyek Bangunan Penyaringan Sampah di Muara Baru	文書	コピー	Titik Utama Agung, Pt. Soil Mechanics Division Jakarta	Oct. 2009
27	Flood Control in DKI Jakarta	文書	コピー	DPU PROPINSI DKI JAKARTA	Dec. 2008
28	Laporan Ketinggian Air Waduk Pompa Pluit	文書	コピー	DPU PROPINSI DKI JAKARTA	Jul.2008- Dec.2009
29	Manual for seismic resistance designing for building construction	文書	コピー		2002
30	Katalog Standar Nasional Indonesia-SNI Konstruksi dan Bangunan 2009	文書	コピー	Badan Standardisasi Nasional	2009
31	Pedoman Persyaratan Teknis Bangunan Gedung	文書	コピー	Departemen Pekerjaan Umum Republik Indonesia	2006
32	Pedoman Teknis Fasilitas Dan Aksesibilitas Pada Bangunan Gedung Dan Lingkungan	文書	コピー	Departemen Pekerjaan Umum Republik Indonesia	2006

番号	資料の名称	形態 図書・ビデオ 地図・写真等	オリジナル・ コピー	発行機関	発行年
33	Daftar Pegawai DPU DAN SDPU	図面	コピー	DPU PROPINSI DKI JAKARTA	Apr. 2009
34	UKL-UPL POMPA PLUIT	文書	コピー	DPU PROVINSI DKI JAKARTA	Apr. 2010