

DESIGN	/	/	/	/
DRAFT	/	/	/	/
CHECKED	/	/	/	/

FIELD BOOK NO.	ALIGNMENT
PROFILE	

SURVEY	/	/	/	/
DRAWN	/	/	/	/
CHECKED	/	/	/	/

BOREHOLE # BHS-4						Page 1 of 2											
Project No: 17022A Project: ก่อสร้างทางรถไฟสายตะวันออก ช่วงนครราชสีมา-บุรีรัมย์ Site Location: สถานีสามัคคี				Ground Elev.(m): G.W.L (m): 1.70 Total Depth (m): 65.00		Date Started: 10 May 2017 Date Finished: 15 May 2017 Co-ordinate(N): 1536146.30 Co-ordinate(E): 663148.48											
Depth (m)	Sample Type	Symbol Type	Number	Symbol	SOIL DESCRIPTION	Unit Weight (kN/m ³)	PL	Wn	LL	Suc (kN/m ²)	SPT (N)						
0					Ground Surface												
1	SS	1	1		Fill material.	0.00											
2	SS	1	2														
3	SS	1	3														
4	ST	1	4		Very soft to medium stiff CLAY, grey, high plasticity. (CH)	3.50											
5	ST	1	5														
6	ST	1	6														
7	ST	1	7														
8	ST	1	8														
9	ST	1	9														
10	ST	1	10														
11	ST	1	11														
12	ST	1	12		Stiff to hard CLAY, brown and grey, high to low plasticity. (CH, CL)	11.50											
13	ST	1	13														
14	ST	1	14														
15	ST	1	15														
16	ST	1	16														
17	SS	3	17														
18	SS	3	18														
19	SS	3	19		Medium dense to very dense silty SAND, gery, very fine to fine grained. (SM)	19.00											
20	SS	3	20														
21	SS	3	21														
22	SS	3	22														
23	SS	3	23														
24	SS	3	24		Hard CLAY, brown, high plasticity. (CH)	23.50											
25	SS	3	25														
26	SS	3	26														
27	SS	3	27														
28	SS	3	28														
29	SS	3	29		Medium dense to very dense silty SAND, brown and grey, fine to medium grained. (SM) Except SS-16 is loose silty SAND.	28.00											
30	SS	3	30														
31	SS	3	31														
32	SS	3	32														
33	SS	3	33														
34	SS	3	34														
35	SS	3	35														
36	SS	3	36														
37	SS	3	37														
38	SS	3	38														
39	SS	3	39														
40	SS	3	40														
■ Thin Wall Tube ■ Split Spoon ■ Rock Core ■ Wash ■ Auger						Suc = Undrained Shear Strength SPT= Standard Penetration Test PL = Plastic Limit Wn = Water Content LL = Liquid Limit						JLP Engineering Services Co., Ltd. 34/671 Moo Baan Ying Ruay Soi 5 Lab Klong Prapa Road, Pakkred Nonthaburi 11120 Tel: 0-2575-2740 Fax: 0-2575-2741 www.jlp.co.th E-mail: jlp@jlp.co.th					

BOREHOLE # BHS-4						Page 2 of 2					
Project No: 17022A Project: ก่อสร้างทางรถไฟสายตะวันออก ช่วงนครราชสีมา-บุรีรัมย์ Site Location: สถานีสามัคคี				Ground Elev.(m): G.W.L (m): 1.70 Total Depth (m): 65.00		Date Started: 10 May 2017 Date Finished: 15 May 2017 Co-ordinate(N): 1536146.30 Co-ordinate(E): 663148.48					
Depth (m)	Sample Type	Symbol Type	Number	Symbol	SOIL DESCRIPTION	Unit Weight (kN/m ³)	PL	W _n	LL	Suc (kN/m ²)	SPT (N)
							Atterberg Limits (%)			15 30 45 60 75	□ (Blows/12 inch) □
41	SS		19								61
42	SS		20								65
43	SS		21		Hard CLAY, brown and grey, low to high plasticity. (CL, CH) Except SS-24 is very dense silty SAND.	43.00					60
44	SS		22								68
45	SS		23								50
46	SS		24								69
47	SS		25								68
48	SS		26								75
49	SS		27								71
50	SS		28								67
51	SS		29								68
52	SS		30		Very dense silty SAND, brown and brownish grey, fine to medium grained. (SP-SM, SM)	56.50					50
53	SS		31								79
54	SS		32								85
55	SS		33								74
56	SS		34								73
57	SS		35								74
58					End of Borehole	65.00					
60											
61											
62											
63											
64											
65											
66											
67											
68											
69											
70											
71											
72											
73											
74											
75											
76											
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80											
■ Thin Wall Tube ■ Split Spoon ■ Rock Core ■ Wash ■ Auger Suc = Undrained Shear Strength SPT= Standard Penetration Test PL = Plastic Limit W_n = Water Content LL = Liquid Limit						JLP JLP ENGINEERING SERVICES CO., LTD. 34/671 Moo Baan Ying Ruay Soi 5 Lab Klong Prapa Road, Pakkred Nonthaburi 11120 Tel: 0-2575-2740 Fax: 0-2575-2741 www.jlp.co.th E-mail: jlp@jlp.co.th					

BOREHOLE # BHS-5						Page 1 of 2					
Project No: 17022A Project: ก่อสร้างรถไฟฟ้ามหานคร สายเฉลิมรัชมงคล ช่วงสถานีหมอชิต-สถานีเตาปูน Site Location: สถานีเตาปูน				Ground Elev.(m): G.W.L (m): 3.00 Total Depth (m): 65.00		Date Started: 23 May 2017 Date Finished: 26 May 2017 Co-ordinate(N): 1537043.15 Co-ordinate(E): 662843.87					
Depth (m)	Sample Type	Symbol Type	Number	Symbol	SOIL DESCRIPTION	Unit Weight (kN/m ³)	PL (%)	Wn (%)	LL (%)	Suc (kN/m ²)	SPT (N)
Ground Surface											
0					Fill material.	0.00					
1	SS	1	1		Medium stiff CLAY, grey, high plasticity. (CH)	2.00					8
2	ST	1	2								
3	ST	1	3								
4	ST	1	4								
5	ST	1	5								
6	ST	1	6	Stiff CLAY, grey, high plasticity. (CH)	11.50						
7	ST	1	7								
8	ST	1	8								
9	ST	1	9								
10	ST	1	10								
11	ST	1	11	Dense to very dense silty SAND, brown and grey, fine to very coarse grained. (SM, SP-SM)	16.00						
12	ST	1	12								
13	ST	1	13								
14	ST	1	14								
15	ST	1	15								
16	SS	2	16	Hard CLAY, greyish brown, low plasticity. (CL)	23.50						
17	SS	2	17								
18	SS	2	18								
19	SS	2	19								
20	SS	2	20								
21	SS	2	21	Dense to very dense silty SAND, greyish brown and grey, very fine to very coarse grained. (SM, SP-SM)	26.50						
22	SS	2	22								
23	SS	2	23								
24	SS	2	24								
25	SS	2	25								
26	SS	2	26								
27	SS	2	27								
28	SS	2	28								
29	SS	2	29								
30	SS	2	30								
31	SS	2	31								
32	SS	2	32								
33	SS	2	33								
34	SS	2	34								
35	SS	2	35								
36	SS	2	36								
37	SS	2	37								
38	SS	2	38								
39	SS	2	39								
40	SS	2	40								
■ Thin Wall Tube ■ Split Spoon ■ Rock Core ■ Wash ■ Auger						Suc = Undrained Shear Strength SPT= Standard Penetration Test PL = Plastic Limit Wn = Water Content LL = Liquid Limit		JLP Engineering Services Co., Ltd. 34/671 Moo Baan Ying Ruay Soi 5 Lab Klong Prapa Road, Pakkred Nonthaburi 11120 Tel: 0-2575-2740 Fax: 0-2575-2741 www.jlp.co.th E-mail: jlp@jlp.co.th			

BOREHOLE # BHS-5						Page 2 of 2					
Project No: 17022A Project: ก่อสร้างทางรถไฟสายตะวันออก ช่วงนครราชสีมา-บุรีรัมย์ Site Location: สถานีหนองปรือ				Ground Elev.(m): G.W.L (m): 3.00 Total Depth (m): 65.00		Date Started: 23 May 2017 Date Finished: 26 May 2017 Co-ordinate(N): 1537043.15 Co-ordinate(E): 662843.87					
Depth (m)	Sample Type	Symbol Type	Number	Symbol	SOIL DESCRIPTION	Unit Weight (kN/m ³)	PL (%)	W _n	LL	Suc (kN/m ²)	SPT (N)
41	SS	18									
42	SS	19									
43	SS	20									
44	SS	21									
45	SS	22									
46	SS	22									
47	SS	23									
48	SS	24									
49	SS	24			Hard CLAY, brown to greyish brown, low plasticity. (CL)	49.00					
50	SS	25									
51	SS	25									
52	SS	26									
53	SS	27									
54	SS	27									
55	SS	28									
56	SS	28									
57	SS	29									
58	SS	30			Dense silty SAND, brown to greyish brown, fine to coarse grained. (SM)	58.00					
59	SS	31									
60	SS	32									
61	SS	32									
62	SS	33									
63	SS	33									
64	SS	34									
65	SS	34									
66					End of Borehole	65.00					
67											
68											
69											
70											
71											
72											
73											
74											
75											
76											
77											
78											
79											
80											
■ Thin Wall Tube ■ Split Spoon ■ Rock Core ■ Wash ■ Auger Suc = Undrained Shear Strength SPT= Standard Penetration Test PL = Plastic Limit W_n = Water Content LL = Liquid Limit						Atterberg Limits (%) 20 40 60 80 PL W_n LL 15 30 45 60 75 85 68 73 72 40 39 30 31 34 33 35 35 50 42 40 39 40 40 JLP Engineering Services Co., Ltd. 34/671 Moo Baan Ying Ruay Soi 5 Liab Klong Prapa Road, Pakkred Nonthaburi 11120 Tel: 0-2575-2740 Fax: 0-2575-2741 www.jlp.co.th E-mail: jlp@jlp.co.th					