

Summary of Test Results

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BH-8 (Nearby)

BH-8 (Nearby)															Land Mark				
Sample No.	Depth (m)	W _n (%)	Atterberg Limits			Sieve Analysis					USCS	Soil Strength		Unit ^d	SPT-N ^e				
			LL	PL	PI	3/8"	% Passing (US Standard Sieve)	#4	#10	#40	#100	#200	Group ^a	P _{uc} ^b	Torvane	S _{uc} ^c	Weight (kN/m ³)	(Blows/ 300 mm)	
ST-1	1.50-2.00							No recovery											
ST-2	3.00-3.50	82.6	98.2	39.0	59.2			No recovery					100	99	0.0	15.0	8.6	14.6	
ST-3	4.50-5.00							No recovery											
ST-4	6.00-6.50							No recovery											
ST-5	7.50-8.00							No recovery											
ST-6	9.00-9.50	57.1	62.5	29.4	33.1						100	99	CH	0.0	17.0	12.8	16.5		
ST-7	10.50-11.00	61.6								100	94	92	CH	0.0	20.0	15.9	16.6		
ST-8	12.00-12.50	27.9	67.3	31.9	35.4					100	56	55	CH						
ST-9	13.50-14.00	72.0								100	98	97	CH	0.0	20.0	5.2	16.7		
ST-10	15.00-15.50	57.4	65.4	29.2	36.2					100	99	99	CH	0.0	23.0	20.9	15.8		
ST-11	16.50-17.00	26.2	61.2	25.6	35.6					100	99	98	CH	350.0	142.5	78.1	19.9		
SS-1	17.00-17.45	29.4						100	98	95	93	92	CH				19.6	25	
SS-2	18.00-18.45	29.3	60.1	35.2	24.9	100	90	85	80	79	78	78	CH					44	
SS-3	19.50-19.95	26.9				85	75	71	66	64	63	63	CL					18	
SS-4	21.00-21.45	19.3	40.3	16.8	23.5					100	99	79	CL				20.8	27	
SS-5	22.50-22.95	16.2	Non plastic					98	88	67	26	24	SM					45	
SS-6	24.00-24.45	11.6	Non plastic					97	94	72	30	28	SM					69	
SS-7	25.50-25.95	17.4	Non plastic						100	90	26	24	SM					55	
SS-8	27.00-27.45	14.3	Non plastic						100	94	35	32	SM					47	
SS-9	28.50-28.95							No recovery										52	
SS-10	30.00-30.45	10.2	Non plastic					100	99	73	23	21	SM					56	

^a USCS groups provided in parenthesis are from visual classification

^b P_{uc} = Pocket Penetrometer Resistance

^c S_{uc} = q_u/2; where q_u is Unconfined Compressive Strength from Unconfined Compression Test

^d Unit Weight provided for split spoon samples (SS) are for disturbed samples from SPT tests.

^e If the sampler is driven less than 450 mm, the number of blows per each complete and partial (less than or equal to 150 mm) increments were recorded

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Land Mark

Sample No.	Depth (m)	W _n (%)	Atterberg Limits			Sieve Analysis				USCS Group ^a	Soil Strength		Unit ^d Weight (kN/m ³)	SPT-N ^e (Blows/ 300 mm)
			LL	PL	PI	3/8"	#4	#10	#40	#100	P _{uc} ^b	Torvane		
SS-11	31.50-31.95							No recovery						28, 50/100, -
SS-12	33.00-33.45	11.1		Non plastic			99	97	80	21	19			75
SS-13	34.50-34.95	8.4		Non plastic			99	93	64	28	27			30, 45, 25/75
SS-14	36.00-36.45						No recovery							33, 55/50, -
SS-15	37.50-37.95	11.5		Non plastic			99	93	62	23	21			47
SS-16	39.00-39.45	6.5	43.0	19.5	23.5		100	98	97	96	95		21.3	55
SS-17	40.50-40.95	10.0					100	98	97	96	95			54
SS-18	42.00-42.45	7.2	35.3	20.3	15.0		100	99	99	95	94		21.4	59
SS-19	43.50-43.95	8.7												63
SS-20	45.00-45.45	6.1	44.9	20.5	24.4		100	99	62	20	17		21.8	38, 50/100, -
SS-21	46.50-46.95	13.1					100	99	62	20	17			50/100, -, -
SS-22	48.00-48.45						No recovery							45, 50/50, -
SS-23	49.50-49.95	9.6		Non plastic			97	76	33	15	14			55
SS-24	51.00-51.45	8.2		Non plastic			96	72	27	16	15			77
SS-25	52.50-52.95	6.7	40.2	19.3	20.9		100	99	99	98	97			72
SS-26	54.00-54.45	7.8	61.6	21.3	40.3								21.3	72
SS-27	55.50-55.95	5.3	51.3	22.4	28.9								21.9	58
SS-28	57.00-57.45	5.7	36.8	20.5	16.3		100	98	97	96				52
SS-29	58.50-58.95	5.1					100	97	55	16	14		19.4	30, 50/100, -
SS-30	60.00-60.45	10.7		Non plastic										60

^a USCS groups provided in parenthesis are from visual classification

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^d Unit Weight provided for split spoon samples (SS) are for disturbed samples from SPT tests.

^e If the sampler is driven less than 450 mm, the number of blows per each complete and partial (less than or equal to 150 mm) increments were recorded

Borehole Number : BH-8(Nearby)Page 1 of 2

Project : โครงการสำรวจออกแบบและจัดทำแผนแม่บทเพื่อพัฒนาริมฝั่งแม่น้ำเจ้าพระยา

Site Location : บริเวณสวนสาธารณะใต้สะพานพระปิ่นเกล้า (ฝั่งธนบุรี) **Latitude (N) :**

Ground Elevation (m) :

Longitude (E) :

G.W.L (m) : 1.20

Date Started :

Total Depth (m) : 60.45

Date Finished :

Depth	SAMPLE			SUBSURFACE PROFILE		Atterberg Limits (%) 20 40 60 80 100	Unit Weight 5 15	Suc (kN/m ²) ▲ 20 40 60 80 ▲	
	Symbol	Type	Number	Description	Symbol			SPT-N □ (Blows/300mm) □ 20 40 60 80	
0				Ground Surface					
1				Fill Material (Gravel)	0.00				
2	■	ST	1	Very soft to soft CLAY, grey, trace of shell fragments, high plasticity (CH)	2.50		●	8.6	▲
3	■	ST	2						
4	■	ST	3						
5	■	ST	4						
6	■	ST	5						
7	■	ST	6						
8	■	ST	7						
9	■	ST	8						
10	■	ST	9						
11	■	ST	10						
12	■	ST	11	Stiff to very stiff CLAY (except hard clay for SS-2), light greyish brown and brown, high to low plasticity (CH, CL)	16.00		●	25	78.1
13	■	ST	12						
14	■	ST	13						
15	■	ST	14						
16	■	ST	15						
17	■	ST	16						
18	■	ST	17						
19	■	ST	18						
20	■	ST	19						
21	■	ST	20						
22	■	ST	21	Dense to very dense silty SAND, brown, fine grained (SM)	22.00		●	45	69
23	■	ST	22						
24	■	ST	23						
25	■	ST	24						
26	■	ST	25						
27	■	ST	26						
28	■	ST	27						
29	■	ST	28						
30	■	ST	29						
31	■	ST	30						
32	■	ST	31						

Thin wall tube

Split spoon

Rock core

Wash

Auger

PL Wn LL

Atterberg Limits :

Suc : Undrained shear strength from UC test

Thin wall tube
Split spoon
Rock core
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Atterberg Limits : PL Wn LL
Suc : Undrained shear strength from UC test

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Depth	SAMPLE			SUBSURFACE PROFILE		Atterberg Limits (%) 20 40 60 80 100	Unit Weight 5 15	Suc (kN/m ²) 20 40 60 80	
	Symbol	Type	Number	Description	Symbol			SPT-N (Blows/300mm)	
								20 40 60 80	20 40 60 80
33	SS		12		□			75	
34	SS		13		□			70	
35	SS		14		□			55	
36	SS		15		□			47	
37	SS		16		□			55	
38	SS		17	Hard CLAY, light grey and brown, low plasticity (CL)	38.50	□ ———	•	54	
39	SS		18		□	———	•	59	
40	SS		19		□			63	
41	SS		20		□	———	•	50	
42	SS		21		Very dense silty SAND, brown and grey, fine to medium grained (SM)	46.00	□		50
43	SS		22		□			50	
44	SS		23		□			55	
45	SS		24		□			77	
46	SS		25		Hard CLAY, greyish brown, low plasticity (CL)	52.00	□ ———		72
47	SS		26		□ ———	•		72	
48	SS		27		□ ———	•		58	
49	SS		28		□	———	•	52	
50	SS		29		□			50	
51	SS		30		Very dense silty SAND, grey, medium grained (SM)	59.00	□		60
52	SS				60.45	□			
53	SS								
54	SS								
55	SS								
56	SS								
57	SS								
58	SS								
59	SS								
60	SS								
61	SS								
62	SS								
63	SS								
64	SS								

Thin wall tube

Split spoon

Rock core

Wash

Auger

Atterberg Limits :

PL

Wn

LL

Suc : Undrained shear strength from UC test

Thin wall tube
Split spoon
Rock core
Wash
Auger

Atterberg Limits : PL Wn LL

Suc : Undrained shear strength from UC test

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