

Summary of Test Results (page 1 of 2)

Land mark

BH-10

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)	
			Atterberg Limits (%)			% Passing (US Standard Sieve)								(kN/m ²)				
			LL	PL	PI	1"	3/4"	1/2"	3/8"	#4	#10	#40		#100	#200			P _{uc} ^b
ST- 1	4.50	64.9	-	-	-	-	-	-	-	-	-	-	(CH)	0.0	20.0	11.1	14.7	37 40 33 35 38 40 33 37 38 43 51 61 55 52 20,38,50/125 60 65 69 60
ST- 2	6.00	64.5	71.8	30.4	41.4	-	-	-	-	-	-	-	(CH)	0.0	23.0	16.7	15.7	
ST- 3	7.50	7.95	-	-	-	-	-	-	-	-	-	-	(CH)	0.0	25.0	20.5	14.5	
ST- 4	9.00	9.45	81.7	30.4	51.3	-	-	-	-	-	-	-	(CH)	0.0	20.0	17.9	15.0	
ST- 5	10.50	10.95	-	-	-	-	-	-	-	-	-	-	(CH)	0.0	25.0	18.0	15.0	
ST- 6	12.00	12.45	81.7	38.9	42.8	-	-	-	-	-	-	-	(CH)	0.0	30.0	28.5	15.9	
ST- 7	13.50	13.95	-	-	-	-	-	-	-	-	-	-	(CH)	12.5	40.0	38.6	16.4	
ST- 8	15.00	15.45	57.5	30.1	27.4	-	-	-	-	-	-	-	(CH)	62.5	75.0	55.5	18.3	
SS- 1	16.50	16.95	-	-	-	-	-	-	-	-	-	-	(CL)	-	-	-	-	
SS- 2	18.00	18.45	39.8	20.7	19.1	-	-	-	-	-	-	-	(CL)	-	-	-	-	
SS- 3	19.50	19.95	-	-	-	-	-	-	-	-	-	-	(CL)	-	-	-	-	
SS- 4	21.00	21.45	43.5	17.5	26.0	-	-	-	-	-	-	-	(CL)	-	-	-	-	
SS- 5	22.50	22.95	-	-	-	-	-	-	-	-	-	-	(CL)	-	-	-	-	
SS- 6	24.00	24.45	49.7	23.5	26.2	-	-	-	-	-	-	-	(CL)	-	-	-	-	
SS- 7	25.50	25.95	Non Plastic			-	-	-	-	-	-	-	SM	-	-	-	-	
SS- 8	27.00	27.45	Non Plastic			-	-	-	-	-	-	-	SM	-	-	-	-	
SS- 9	28.50	28.95	Non Plastic			-	-	-	-	-	-	-	SM	-	-	-	-	
SS- 10	30.00	30.45	Non Plastic			-	-	-	-	-	-	-	SM	-	-	-	-	
SS- 11	31.50	31.95	-			-	-	-	-	-	-	-	SM	-	-	-	-	
SS- 12	33.00	33.45	Non Plastic			-	-	-	-	-	-	-	SM	-	-	-	-	
SS- 13	34.50	34.95	Non Plastic			-	-	-	-	-	-	-	SM	-	-	-	-	
SS- 14	36.00	36.45	Non Plastic			-	-	-	-	-	-	-	SP-SM	-	-	-	-	
SS- 15	37.50	37.95	-			-	-	-	-	-	-	-	-	-	-	-	-	
SS- 16	39.00	39.45	Non Plastic			-	-	-	-	-	-	-	SM	-	-	-	-	
SS- 17	40.50	40.95	Non Plastic			-	-	-	-	-	-	-	SM	-	-	-	-	
SS- 18	42.00	42.45	-			-	-	-	-	-	-	-	-	-	-	-	-	
SS- 19	43.50	43.95	Non Plastic			-	-	-	-	-	-	-	SM	-	-	-	-	

Notes:

^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.

Summary of Test Results (page 2 of 2)

Land mark

BH-10

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)		
			(%)			% Passing (US Standard Sieve)								(kN/m ²)	P _{uc} ^b				
			LL	PL	PI	1"	3/4"	1/2"	3/8"	#4	#10	#40						#100	#200
SS- 20	45.00	45.45	18.7	Non Plastic									100	62	25	20		-	62
SS- 21	46.50	46.95	20.7	Non Plastic									100	99	84	40	36		70
SS- 22	48.00	48.45	16.5	Non Plastic									100	97	55	15	11		75
SS- 23	49.50	49.95	25.0	48.0	27.0	21.0				100	98	97	96	91	87				58
SS- 24	51.00	51.45	19.9	-													-		50
SS- 25	52.50	52.95	17.0	33.9	22.4	11.5					100	99	99	95	82				75
SS- 26	54.00	54.45	17.9	31.3	19.6	11.7					100	99	99	94	74				25,38,50/125
SS- 27	55.50	55.95	15.1	Non Plastic							100	99	89	38	22	18			33,50/150, -
SS- 28	57.00	57.45	13.7	Non Plastic							100	99	94	51	22	16			34,50/150, -
SS- 29	58.50	58.95	21.5	Non Plastic							100	99	99	75	27	18			36,50/125, -
SS- 30	60.00	60.45	14.2	Non Plastic							100	99	91	52	25	20			38,50/125, -

Notes:

^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.

Borehole Number : BH-10

Page 1 of 2

Project : โครงการสำรวจออกแบบและจัดทำแผนแม่บทเพื่อพัฒนาริมฝั่งแม่น้ำเจ้าพระยา

Site Location : วัดบางโพ

Latitude (N) : 13.80870

Ground Elevation (m) :

Longitude (E) : 100.51874

G.W.L (m) : 1.50

Date Started : 6/7/2559

Total Depth (m) : 60.45

Date Finished : 8/7/2559

Depth (m)	SAMPLE			SUBSURFACE PROFILE		Atterberg Limits (%) 20 40 60 80	Unit Weight 5 15	Suc (kN/m^2) ▲ 20 40 60 80 ▲					
	Symbol	Type	Number	Description	Symbol			SPT-N (Blows/0.3m) □ 20 40 60 80 □					
0				Ground Surface									
1				Fill Material (No Recovery)	0.00								
2													
3													
4													
5	■	ST	1	Soft CLAY, grey, high plasticity (CH)	4.00							11.1	▲
6	■	ST	2									16.7	▲
7	■	ST	3									20.5	▲
8	■	ST	4									17.9	▲
9	■	ST	5									18	▲
10	■	ST	6	Medium stiff to stiff CLAY, brown, high plasticity (CH)	11.50							28.5	▲
11	■	ST	7									38.6	▲
12	■	ST	8									55.5	▲
13	■	ST	9										
14	■	ST	10										
15	■	ST	11										
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152	■	ST	148										
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Page 2 of 2

Date Finished : 8/7/2559

