

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT SOIL INVESTIGATION PROGRAM				BORING LOG : DST(1) - 04 sheet 2 of 4																	
Depth (m)	Elevation (m)	Thickness (m)	LOG 1/100	SOIL DESCRIPTION	STANDARD PENETRATION TEST																
					Depth (m)		N	Blows/15cm			N										
					From	To		15	15	15	0	10	20	30	40	50					
19					18.5	18.95	2	1	1	1											
20	20.50	19.19	19.50	(OH)	19.5	19.95	2	1	1	1											
21					20.5	20.95	2	1	1	1											
22				DST(1)-04-5 22.0 - 22.6	21.5	21.95	2	1	1	1											
23					22.6	23.05	2	1	1	1											
24					23.5	23.95	2	1	1	1											
25					24.5	24.95	2	1	1	1											
26					25.5	25.95	2	1	1	1											
27				DST(1)-04-6 27.0 - 27.6	26.5	26.95	2	1	1	1											
28				(OH)	27.6	28.05	2	1	1	1											
29					28.5	28.95	3	1	1	2											
30					29.5	29.95	2	1	1	1											
31					30.5	30.95	3	1	1	2											
32					31.5	31.95	2	1	1	1											
33	33.40	32.09	12.90		32.5	32.95	3	1	1	2											
34	34.60	33.29	1.20	(CL)	DST(1)-04-7 34.0 - 34.6	33.5	33.95	13	4	5	8										
35					34.6	35.05	25	8	12	13											
36					35.5	35.95	26	9	12	14											
37				(SP)	36.5	36.95	25	10	12	13											
38	38.50	37.19	3.90		37.5	37.95	27	10	13	14											

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT SOIL INVESTIGATION PROGRAM				BORING LOG : DST(1)-04 sheet 1 of 4																	
Station : Wastewater Treatment Plant Site				Depth (m) : 38.5																	
Date commenced : 26th Aug 2000				Boring Type : AG-30																	
Date completed : 26th Aug 2000				Coordinate(m) X : 573902.15																	
Logged by : Hoang Tuan Minh				Y : 185065.35																	
Checked by : Pham Van Manh				Z : 1.31																	
				Underground water level (m) : -1.0																	
Depth (m)	Elevation (m)	Thickness (m)	LOG 1/100	SOIL DESCRIPTION	STANDARD PENETRATION TEST																
					Depth (m)		N	Blows/15cm			N										
					From	To		15	15	15	0	10	20	30	40	50					
0	1.31																				
1	1.00	0.31	1.00	Made ground: light brown ORGANIC CLAY	0.5	0.95	2	1	1	1											
2					1.5	1.95	0	0	0	0											
3				DST(1)-04-1 3.0 - 3.6	2.5	2.95	1	0	0.5	0.5											
4					3.6	4.05	2	0	1	1											
5					4.5	4.95	2	0	1	1											
6					5.5	5.95	2	0	1	1											
7				DST(1)-04-2 7.0 - 7.6	6.5	6.95	2	0	1	1											
8				(OH)	7.6	8.05	2	0	1	1											
9					8.5	8.95	2	1	1	1											
10					9.5	9.95	2	1	1	1											
11					10.5	10.95	2	1	1	1											
12				DST(1)-04-3 12.0 - 12.6	11.5	11.95	2	1	1	1											
13					12.6	13.05	2	1	1	1											
14					13.5	13.95	2	1	1	1											
15					14.5	14.95	2	1	1	1											
16					15.5	15.95	2	1	1	1											
17				DST(1)-04-4 17.0 - 17.6	16.5	16.95	2	1	1	1											
18					17.6	18.05	2	1	1	1											

*Note : Underground water level measured from ground surface.

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT SOIL INVESTIGATION PROGRAM				BORING LOG : DST(1)-05 sheet 1 of 5												
Station : Wastewater Treatment Plant Site		Depth (m) : 38.5		Date commenced : 24th Aug 2000		Boring Type : AG-30										
Date completed : 24th Aug 2000		Coordinate(m) X : 574269.86		Logged by : Hoang Tuan Minh		Y : 184896.56										
Checked by : Pham Van Manh		Z : 1.42		Underground water level (m) : -1.0												
Depth (m)	Elevation (m)	Thickness (m)	LOG 1/100	SOIL DESCRIPTION	STANDARD PENETRATION TEST											
					Depth (m)		N	Blows/15cm			N					
					From	To		15	15	15	0	10	20	30	40	50
0	1.42			Made ground: light brown ORGANIC CLAY												
1	0.70	0.72	0.70		0.5	0.95	2	1	1	1						
2					1.5	1.95	0	0	0	0						
3				DST(1)-05-1 3.0 - 3.6	2.5	2.95	1	0	0.5	0.5						
4					3.6	4.05	2	0	1	1						
5					4.5	4.95	2	0	1	1						
6					5.5	5.95	2	0	1	1						
7				DST(1)-05-2 7.0 - 7.6	6.5	6.95	2	1	1	1						
8				Very soft, high plasticity blackish grey ORGANIC CLAY.	7.6	8.05	2	1	1	1						
9					8.5	8.95	2	1	1	1						
10					9.5	9.95	2	1	1	1						
11					10.5	10.95	2	1	1	1						
12				DST(1)-05-3 12.0 - 12.6	11.5	11.95	2	1	1	1						
13					12.6	13.05	2	1	1	1						
14					13.5	13.95	2	1	1	1						
15					14.5	14.95	2	1	1	1						
16					15.5	15.95	2	1	1	1						
17				DST(1)-05-4 17.0 - 17.6	16.5	16.95	2	1	1	1						
18					17.6	18.05	2	1	1	1						

*Note : Underground water level measured from ground surface.

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT SOIL INVESTIGATION PROGRAM				BORING LOG : DST(1) - 05 sheet 2 of 5												
Depth (m)	Elevation (m)	Thickness (m)	LOG 1/100	SOIL DESCRIPTION	STANDARD PENETRATION TEST											
					Depth (m)		N	Blows/15cm			N					
					From	To		15	15	15	0	10	20	30	40	50
19				Very soft, high plasticity blackish grey ORGANIC CLAY.	18.5	18.95	3	1	1	2						
20					19.5	19.95	2	1	1	1						
21	21.0	-19.58	20.3		20.5	20.95	2	1	1	1						
22				DST(1)-05-5 22.0 - 22.6	21.5	21.95	2	1	1	1						
23					22.6	23.05	2	1	1	1						
24					23.5	23.95	2	1	1	1						
25					24.5	24.95	2	1	1	1						
26					25.5	25.95	3	1	1	2						
27				DST(1)-05-6 27.0 - 27.6	26.5	26.95	2	1	1	1						
28				Soft, high plasticity blackish grey ORGANIC CLAY.	27.6	28.05	3	1	1	2						
29					28.5	28.95	3	1	1	2						
30					29.5	29.95	2	1	1	1						
31					30.5	30.95	3	1	1	2						
32					31.5	31.95	2	1	1	1						
33					32.5	32.95	3	1	1	2						
34	33.4	-31.98	12.4		33.5	33.95	13	3	5	8						
35	35.00	-33.58	1.50	DST(1)-05-7 35.0 - 35.6	34.5	34.95	14	4	8	13						
36				Stiff, low plasticity, blueish grey SANDY CLAY	35.6	36.05	26	10	12	14						
37				Medium dense, white POORLY GRADED SAND	36.5	36.95	25	10	12	13						
38	38.50	-37.08	3.50		37.5	37.95	25	11	11	14						