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)	less (m)		LOG	SOIL DESCRIPTION	STANDARD PENETRATION TEST												
Dept	Elevat	Thickness		1/100		_					s/15cm		10	20 30		40	N	
19			OH Y		Very soft, high plasticity	From 18.5	To 18.95	2	15	15	15		10	20	30	40	30	
20.5	0-19.19	10.50	7/1		blackish grey ORGANIC CLAY.	19.5	19.95	2	1	1	1	•			ļ			
1	10-19.19	19.50	1//			20.5	20.95	2	1	1	1	*						
2				DST(1)-04-5		21.5	21.95	2	1	1	1	•		· · · · · · · · · · · · · · · · · · ·	ļ			
3						22.6	23.05	2	1	1	1	•						
4					6 Soft, high plasticity blac - kish grey ORGANIC CLAY.	23.5	23.95	2		1	1	•						
5	j.					24.5	24.95	2	1	1	1	•						
6			1/1/	DST(1) 04 6		25.5	25.95 26.95	2	1	1	1				ļ			
8			OH	ta .		27.6	28.05	2	1	1	1							
9				h 4		28.5	28.95	3	1	1	2	-						
o			1/1			29.5	29.95	2	1	1	1	•						
1						30.5	30.95	3	ı	1	2	•						
2		4				31.5	31.95	2	1	1	1							
3			1/1			32,5	32.95	3	1	1	2	1						
4	10-32.09 50-33.29			DST(1)-04-7	Stiff, low plasticity, white SANDY CLAY	33.5	33.95	13	4	5	8	<u>\</u>	1				-	
5	33.29	1.20	adli	37,0 - 34.0	SIGNATURE OF THE PROPERTY OF T	34.6	35.05	25	8	12	13			1				
6					Medium dense, white POO	35.5	35.95	26	9	12	14			1				
7			(SP)		RLY GRADED SAND	36.5	36.95	25	10	12	13			1				
8	50-37.19	3 90				37.5	37.95	27	10	13	14			4	ļ			

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													
																					Stat
Station : Wastewarr Treament Plant Site 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														
							Und	ergroun	d w	ater	leve	l (m): -1.	0							
Depth (m) Elevation (m)		Thickness (m)		LOG	SOIL DESCRIPTION	STANDARD PENETRATION TEST															
	Cep	eva	ickr	1	1/100		Dept	h (m)	N	Blov	vs/15	icm					N				
		Ш	Th				From	To		15	15	15	0 10	20	30	40	50				
o		1.31													ļ	ļ	ļ				
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 4		†	<u> </u>						
3			,		DST(1)-04-1		2.5	2.95	1	0	0.5	0.5									
1	Ų.						3.6	4.05	2	0	1	1	•								
5	1.6						4.5	4.95	2	0	1	1	•								
5							5.5	5.95	2	0	1	1	•			ļ					
7				1/1	DST(1)-04-2 7.0 - 7.6		6.5	6.95	2	0	1	1									
8				OH)		Very soft, high plasticity	7.6	8.05 8.95	2		1	1									
0						blackish grey ORGANIC CLAY.		9.95	2	1	1	1	•								
THE PERSON NAMED IN		4		1/1/			10.5	10.95	2	1	1	1	•	<u> </u>							
2					DST(1)-04-3		11.5	11.95	2	1	1	1		-							
3				1//	12.0 - 12.6		12.6	13.05	2	1	1	1	9								
4							13.5	13.95		1	1	1	•								
5				1/1/			14.5	14.95		1	1		•			-					
6							15.5	15.95					•			ļ					
7				1/1	DST(1)-04-4 17.0 - 17.6	1	16.5	16.95 18.05		1	1	1	3								

*Note: Underground water level measured from ground surface.

	BORING LOG: DST(1)-05 sheet 1 of 5																			
Station		Depth (m) : 38.5																		
Date com	Boring Type : AG-30																			
Date con	Coordinate(m) X : 574269.86																			
Date completed : 24th Aug 2000 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	SOIL DESCRIPTION		STANDARD PENETRATION TI						TES	TEST						
Cep	eva	ick	1	/100		Dept	h (m)	N	Blo	ws/15	cm						N			
	Ш	1				From	То		15	15	15	0 1	0 2	0 3	10 4	0	50			
0	1.42		7777777																	
1 0.70	0.72	0.70			Made ground: light brown ORGANIC CLAY	0.5	0.95	2	1	1	1	•								
2			//			1.5	1.95	0	0	0	0 •									
3		1	1/3	DST(1)-05-1 3.0 - 3.6		2.5	2.95	1	0	0.5	0.5									
4			//	3.0 - 3.0		3.6	4.05	2	0	1	1	•								
5		1	1/3			4.5	4.95	2	0	1	1	•								
6	2-					5.5	5.95	2	0	1	1	•								
7			1/3	DST(1)-05-2	Very soft, high plasticity	6.5	6.95	2	1	1	1	•								
8			(A)	7.0 - 7.0	blackish grey ORGANIC	7.6	8.05	2	1	1	1	•								
9					CLAT.	8.5	8.95	2	1	1	1	•								
ıo			//			9.5	9.95	2	1	1	1	•								
11			1/1			10.5	10.95	2	1	1	1	•								
12			//	DST(1)-05-1 12.0 - 12.6		11.5	11.95	2	1	1	1	•								
13			1//	12.0		12.6	13.05	2	1	1	1	•								
14			1/2			13.5	13.95	2	1	1	1	•								
15			//			14.5	14.95	2	1	1	1	•								
16			1/1			15.5	15.95	2	1	1	1	•								
17			//	DST(1)-05-4	1	16.5	16.95	2	1	1	1	•								
18			1/1			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												
(E) (E)				SOIL DESCRIPTION	STANDARD PENETRATION TEST														
Dept	Deptin (m)		Thickness	1	1/100	SUIL DESCRIPTION	Dep From	Depth (m) From To		N Blow		15	0	10	20	30	40	N 50	
19						Very soft, high plasticity	18.5	18.95	3	I	1	2	•						
20				ОН		blackish grey ORGANIC CLAY.	19.5	19.95	2	1	1	1	•						
21 2	1.0	-19.58	20.3				20.5	20.95	2	1	1	1	•	ļ					
22					DST(1)-05-	1	21.5	21.95	2	1	1	1	•						
3					22.0 - 22.6	,	22.6	23.05	2	1	1	1	•				-	-	
4							23.5	23.95	2	1	1	1	•				ļ		
.5							24.5	24.95	2	1	1	1	•				<u> </u>	-	
6							25.5	25.95	3	1	1	2	•				<u> </u>		
7	÷			CH CH		6 Soft, high plasticity blac - 6 kish grey ORGANIC	26,5	26.95	2	1	1	1	•				-	-	
28					27.0 - 27.0	CLAY.	27.6	28.05	3	1	1	2	•						
29				1/1			28.5	28.95	3	1	1	2	•				-		
30	- 10			1//			29.5	29.95	2	1	1	1	•						
31				1//			30.5	30.95	3	1	1	2	•					-	
32		ā		1/1		* 9	31.5	31,95	2	1	1	1	•						
33	13.4	-31.98	124	1//			32.5	32.95	3	1	1	2	1	ļ		!			
34	J.T	21,70	2.7	CT.		Stiff, low plasticity, blueish grey SANDY CLAY	33.5	33.95	13	3	5	8		}					
5 3	5,00	-33 58	1.50		DST(1)-05-	7	34.5	34.95	14	4	8	13		1		-			
36		-				Medium dense, white POO	35.6	36.05	26	10	12	14							
37				(SP)		RLY GRADED SAND	36.5	36.95	25	10	12	13			4				
38	e 50	37.09	3.50				37.5	37.95	25	11	11	14			•			-	