

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT SOIL INVESTIGATION PROGRAM					BORING LOG : DSS - 03 sheet 2 of 3															
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				
16				Loose, yellowish grey CLAYEY SAND	15.50	15.95	7	3	3	4										
17					16.60	17.05	8	4	4	4										
18	18.00-15.80	12.50		DSS-03-8	17.50	17.95	7	3	4	3										
19				18.0 - 18.6	18.60	19.05	9	4	4	5										
20				DSS-03-9	19.50	19.95	10	3	4	6										
21				20.0 - 20.6	20.60	21.05	12	5	6	6										
22				Medium dense, brownish grey SILTY SAND	21.50	21.95	11	5	6	5										
23					22.60	23.05	13	5	6	7										
24					DSS-03-10	23.50	23.95	15	5	7	8									
25					24.0 - 24.6	24.60	25.05	16	6	8	8									
26				DSS-03-11	25.50	25.95	16	7	8	8										
27	27.00-24.80	9.00		26.0 - 26.6	26.60	27.05	17	8	9	8										
28				Medium dense, yellowish grey poorly graded SAND with SILT	27.50	27.95	17	7	8	9										
29					DSS-03-12	28.60	29.05	16	8	8	8									
30	30.00-27.80	3.00			29.5 - 30.1	29.05	29.50	19	9	9	10									

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT SOIL INVESTIGATION PROGRAM					BORING LOG : DSS- 03 sheet 1 of 3															
Station : Inceptor Sewer Route					Depth (m) : 30.0															
Date commenced : 11st June 2000					Elevation (m) : 2.20															
Date completed : 12nd June 2000					Boring Type : XJ - 100															
Logged by : Nguyen Xuan Hong					Underground water level (m) : -1.2															
Checked by : Pham Van Manh																				
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	2.20																			
1				Ground made : Clayey sand gravelly sand with cobble of stone, concrete	0.50	0.95	15	5	7	8										
2	1.40	0.80	1.40	DSS-03-1	1.50	1.95	14	3	6	8										
3	3.00	0.80	1.60	2.0 - 2.6 Medium dense, brownish grey CLAYEY SAND	2.60	3.05	13	4	6	7										
4				DSS-03-2	3.50	3.95	12	4	5	7										
5				4.0 - 4.6 Stiff, high plasticity, brownish grey CLAY	4.60	5.05	12	5	6	6										
6	5.50	3.30	2.50	DSS-03-3	5.50	5.95	7	4	3	4										
7				6.0 - 6.6	6.60	7.05	7	3	4	3										
8				DSS-03-4	7.50	7.95	8	3	4	4										
9				8.0 - 8.6	8.60	9.05	9	3	4	5										
10				DSS-03-5	9.50	9.95	8	4	4	4										
11				10.0 - 10.6 Loose, yellowish grey CLAYEY SAND	10.60	11.05	8	3	4	4										
12				DSS-03-6	11.50	11.95	7	4	3	4										
13				12.0 - 12.6	12.60	13.05	7	3	4	3										
14				DSS-03-7	13.50	13.95	8	3	4	4										
15				14.0 - 14.6	14.60	15.05	7	4	3	4										

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 : DSS - 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
16			DSS-04-8 16.0 - 16.6	Medium dense, yellowish grey SILTY SAND	15.50	15.59	12	5	5	7							
17			DSS-04-9 18.0 - 18.6		16.60	17.05	11	4	5	6							
18			DSS-04-9 18.0 - 18.6		17.50	17.95	11	5	5	6							
19			DSS-04-10 20.0 - 20.6		18.60	19.05	19	4	9	10							
20			DSS-04-10 20.0 - 20.6		19.50	19.95	22	5	10	12							
21			DSS-04-11 24.0 - 24.6		20.60	21.05	21	5	9	12							
22			DSS-04-11 24.0 - 24.6		21.50	21.95	24	7	11	13							
23			DSS-04-11 24.0 - 24.6		22.60	23.05	28	7	13	15							
24			DSS-04-11 24.0 - 24.6		23.50	23.95	25	7	12	13							
25			DSS-04-11 24.0 - 24.6		24.60	25.05	26	7	12	14							
26			DSS-04-11 24.0 - 24.6		25.50	25.95	25	7	12	13							
27			DSS-04-11 24.0 - 24.6		26.60	27.05	23	7	11	14							
28			DSS-04-12 28.0 - 28.6		27.50	27.95	27	8	12	15							
29			DSS-04-13 30.0 - 30.6	28.60	29.05	27	8	13	14								
30			DSS-04-13 30.0 - 30.6	29.50	29.95	30	9	14	16								

THE DETAILED DESIGN STUDY ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT SOIL INVESTIGATION PROGRAM				BORING LOG : DSS- 04 sheet 1 of 4													
Station : Interceptor Sewer Route				Depth (m) : 40.0													
Date commenced : 13rd June 2000				Elevation (m) : 1.99													
Date completed : 14th June 2000				Boring Type : XJ - 100													
Logged by : Nguyen Xuan Hong				Underground water level (m) : -1.2													
Checked by : Pham Van Manh																	
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	1.99																
1	1.40	0.59	1.40		0.50	0.95	12	5	6	6							
2			CH	DSS-04-1 2.0 - 2.6	1.50	1.95	17	6	8	9							
3	3.00	-1.01	1.60		2.60	3.05	15	5	7	8							
4			CL	DSS-04-2 4.0 - 4.6	3.50	3.95	17	6	8	9							
5	5.00	-3.01	2.00		4.60	5.05	8	3	4	4							
6				DSS-04-3 6.0 - 6.6	5.50	5.95	7	3	4	3							
7					6.60	7.05	8	3	4	4							
8			SC	DSS-04-4 8.0 - 8.6	7.50	7.95	6	3	3	3							
9					8.60	9.05	7	3	3	4							
10				DSS-04-5 10.0 - 10.6	9.50	9.95	7	3	3	4							
11	11.00	-9.01	6.00		10.60	11.05	8	3	4	4							
12				DSS-04-6A 11.1 - 11.7													
13				DSS-04-6B 12.0 - 12.6													
14				DSS-04-7A 13.1 - 13.7	12.60	13.05	10	4	5	5							
15			SM	DSS-04-7B 14.0 - 14.6													
					14.60	15.05	11	4	5	6							

Note: Underground water level measured from ground surface.