AVERAGE VALUE OF PHYSICA - MECHANICAL PROPERTIES Layer 4: Stiff, low plasticity greenish grey SANDY CLAY (CL).

Table:4a

		···		Table : 4a							
No	Property		Sign	Average		Minimum	S D S S S S S S S S S S S S S S S S S S				
			-	value.	value	value	of test				
1	Sieve Analisis, % Passing		-								
	3/4" (19 mm)										
	1/2" (12.5 mm)										
	3/8" (9.5 mm)										
	#4 (4.75 mm)										
	#8 (2.36 mm)			100.0	100.0	100.0	2				
	#16 (1.18 mm)			99.8	99.8	99.7	. 2				
	#30 (0.6 mm)			98.7	99.2	98.2	2				
	#50 (0.3 mm)	•		92.9	96.9	88.8	2				
,	#100 (0.15 mm)			82.0	92.6	71.3	2				
	#200 (0.075 mm)			66.8	83.0	50.5	2				
	< 0.005 mm			39.4	47.7	31.1	2				
2	Natural moisture content	(%)	w.	15.93	16.38	15.48	2				
3	Natural unit weight	(g/cm ³)	γ	2.090	2.105	2.075	2				
4	Dry unit weight	(g/cm³)	γ _d	1.803	1.823	1.783	. 2				
5	Specific gravity		Gs	2.651	2.667	2.634	2				
6	Porosity		n	0.320	0.330	0.310	2				
7	Void ratio		e _o	0.470	0.496	0.445	2				
8	Degree saturation	(%)	S	89.90	91.60	88.10	2				
9	Liquid limit	(%)	LL	28.9	29.8	27.9	2				
10	Plastic limit	(%)	LP	15.5	15.7	15.3	2				
11	Plastic index	(%)	PI	13.4	14.1	12.6	2				
12	Water plasticity ratio	(%)	В	0.03	0.05	0.01	2				
13	Unconfined compression	(Kg/cm ²)	qu								
14	Compression index	(cm²/kg)	Сс								
15	Coefficient of consolidation	(cm ² /s)	Cv								
16	Preconsolidation pressure	(kg/cm ²)	Pc								
17	Coefficient of volumm compressibility	(cm ² /g)	Mv			-					
18	Permeability	(cm/sec)	k20								
		(-12,00)									

AVERAGE VALUE OF PHYSICA - MECHANICAL PROPERTIES Layer 4a: Medium dense, yellowish grey SILTY SAND (SM).

Table:5a

						Table	. Ja
No	Property		Sign	Average	Maximum		Number
				value.	value	value	of test
1	Sieve Analisis, % Passing						
	3/4" (19 mm)	47.00		100.0	100.0	100.0	5
	1/2" (12.5 mm)			99.9	100.0	99.7	5
	3/8" (9.5 mm)			99.5	100.0	97.3	5
	#4 (4.75 mm)			98.5	100.0	92.6	5
	#8 (2.36 mm)			97.9	100.0	89.5	5
	#16 (1.18 mm)			95.2	99.1	85.7	5
	#30 (0.6 mm)			77.1	98.1	66.9	5
	#50 (0.3 mm)			38.9	82.4	24.1	5
Ų	#100 (0.15 mm)			17.1	21.7	14.4	5
	#200 (0.075 mm)			12.8	17.6	9.2	5 .
4	< 0.005 mm			5.7	9.9	2.8	5
2	Natural moisture content	(%)	w	14.65	19.74	12.69	. 5
3	Natural unit weight	(g/cm³)	γ	2.001	2.182	1.863	5
4	Dry unit weight	(g/cm³)	7.1	1.748	1.929	1.556	5
5	Specific gravity		Gs	2.641	2.647	2.634	5
6	Porosity		n	0.340	0.410	0.270	5
7	Void ratio	•	eo	0.520	0.693	0.371	5
8	Degree saturation	(%)	S	75.90	93.50	63.00	5
9	Liquid limit	(%)	LL	20.4	26.0	17.5	3
10	Plastic limit	(%)	LP	15.6	18.4	13.2	3
11	Plastic index	(%)	PI	4.8	7.6	2.4	3
12	Water plasticity ratio	(%)	В	-0.28	0.18	-1.00	3
13	Unconfined compression	(Kg/cm ²)	qu				
14	Compression index	(cm²/kg)	Сс				
15	Coefficient of consolidation	(cm²/Kg)	Cv				
16	Preconsolidation pressure	(kg/cm²)	Pc				
17	Coefficient of volunm compressibility	(cm ² /g)	Mv				
18	Permeability	(cm/sec)	k20				
-							

2. BORING LOGS

		THE D	ETAILE	D DESIGN	STUDY ON H	O CHI MINH CITY	BC	DIN	NC.	- T	0	G	-		TT	— Т-	0	1
WATER ENVIRONMENT IMPROVEMENT PROJECT SOIL INVESTIGATION PROGRAM					BORING LOG: DUT-01 sheet 1 of 1													
Stat	tion		:	-													-	
Station : Thanh Da Pump Drainage Area Date commenced : 29th May 2000				Depth (m) : 40.0														
		pleted		30th Ma			Elevation (m) : 1.33											
			÷		-		Boring Type : XJ - 100											
Logged by : Nguyen Xuan Hong Checked by : Pham Van Manh				Underground water level (m): -1.5														
Depth (m)		Elevation (m)	Thickness(m)	LOG		SOIL DESCRIPTION	STANDARD PENETRATION TEST											
)ept	evat	ick.	1/100			Depth (m) N Blows/15cm N											
	_	ū	두				From	To	ı	15	15	15	0	10 -	20	30	40	50
0		1.33																
1	0.50	0.83	0.50	***		Ground made: Soft, blackis grey SANDY CLAY	h 0.50	0.95	1	i	0.5	0.5	•					
2					DUT-01-1 2.0 - 2.6	\	1.50	1.95	1	0	0.5	0.5						
3					2.0 - 2.0		2.60	3.05	0	0	0	0					-	
4					DUT-01-2 4.0 - 4.6		3.50	3.95	0	0	0	0 •						
5				///			4.60	5.05	0	0	0	0 •						
6					DUT-01-3 6.0 - 6.6		5.50	5.95	0	0	0	0				ļ		<u> </u>
7				1/2		Very soft, high plasticity,	6,60	7.05	0	0	0	0 .		ļ	ļ		ļ	
8						blackish grey ORGANIC CLAY		7.95						<u> </u>	ļ Ļ	<u> </u>	ļ	ļ
9							8.60		1			0.5		ļ	ļ			-
0					DUT-01-5 10.0 - 10.6			9.95				0.5		<u> </u>	ļ	<u> </u>	<u>.</u>	1
11								11.05						ļ	ļ		-	
12								13.05				1	•					
14			بقير		DUT-01-6		13.50	13.95	1	1	0.5	0.5			_			
15					14.0 - 14.6		14.60	15.05	2	i	1	1	-	<u> </u>			`	

^{*}Note: Underground water level measured from ground surface.