

SUMMARY OF LABORATORY TEST ON BORING

DRAINAGE PUMP STATION - VISSAN

Scale (m)	Boring number	Sample number	Depth (m)	Symbol	Soil class.	SAMPLE DESCRIPTION	SPT (N)	SIEVE ANALYSIS, % PASSING											Natural water content w (%)	Unit weight		Specific gravity Gs	Porosity n (%)	Void ratio e _o	Degree saturation S (%)	
								Inch												Natural γ (g/cm ³)	Dry γ _d (g/cm ³)					
								3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200									
								19	12.5	9.5	4.75	2.36	1.18	0.6	0.3	0.15	0.075	0.005								
mm																										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	
1	UV-02						0																			
2		02-1-0	1.6-2.0		OH	Very soft, high plasticity, blackish grey ORGANIC CLAY.	0									100	97.2	90.1	86.32	1.413	0.758	2.611	0.71	2.443	92.3	
3		02-1	2.5-3.1		OH	Very soft, high plasticity, blackish grey ORGANIC CLAY.	0									100	96.0	69.9	82.79	1.385	0.758	2.586	0.71	2.413	88.7	
4							0																			
5		02-1-1	4.6-5.0		OH	Very soft, high plasticity, blackish grey ORGANIC CLAY.	0									100	95.1	70.3	92.4	1.397	0.726	2.596	0.72	2.575	93.1	
6							0																			
7		02-2	6.5-7.1		OH	Very soft, high plasticity, blackish grey ORGANIC CLAY.	0								100	97.8	94.6	73.4	96.01	1.364	0.696	2.578	0.73	2.705	91.5	
8							0																			
9		02-2-1	8.6-9.0		OH	Very soft, high plasticity, blackish grey ORGANIC CLAY.	0									100	95.4	68.2	92.67	1.394	0.724	2.608	0.72	2.605	92.8	
10							0																			
11		02-3	10.5-11.1		OH	Very soft, high plasticity, blackish grey ORGANIC CLAY.	0									100	96.6	60.2	96.51	1.380	0.702	2.579	0.73	2.672	93.1	
12							0																			
13		02-3-1	12.6-13.0		OH	Very soft, high plasticity, blackish grey ORGANIC CLAY.	0									100	95.7	63.2	91.23	1.391	0.727	2.608	0.72	2.585	92.0	
14							1																			
15		02-4	14.5-15.1		CH	Stiff, high plasticity, brown spot green CLAY.	10					100	98.2	97.5	96.7	95	93.0	52.1	27.33	1.895	1.488	2.694	0.45	0.810	90.9	
16							11																			
17		02-4-1	16.6-17.0		CH	Stiff, high plasticity, brown spot green CLAY.	12								100	99.2	94.7	68.1	30.38	1.903	1.460	2.697	0.46	0.848	96.6	
18							13																			
19		02-5	18.5-19.1		CH	Stiff, high plasticity, brown spot green CLAY.	14									100	96.0	64.9	31.15	1.896	1.446	2.691	0.46	0.861	97.3	
20							15																			
21		02-5-1	20.6-21.0		CH	Stiff, high plasticity, brown spot green CLAY.	14									100	94.5	62.7	30.24	1.924	1.477	2.689	0.45	0.820	99.1	
22							12																			
23							13																			
24		02-6	23.5-24.1		SC	Medium dense, brown CLAYEY SAND.	14					100	86.5	84.4	65.9	34.8	25.7	12.1	20.95	1.852	1.531	2.661	0.42	0.738	75.6	
25							10																			
26		02-6-1	25.6-26.0		SC	Medium dense, brown CLAYEY SAND.	11					100	85.3	82.1	66.3	35.4	26.4	13.2	22.17	1.891	1.548	2.669	0.42	0.724	81.7	
27							12																			
28							10																			
29		02-7	28.5-29.1		SM	Medium dense, brown spot green SILTY SAND.	11					100	96.5	95.7	94.8	31.2	21.6	6.0	21.75	1.907	1.566	2.654	0.41	0.694	83.1	
30		02-7-1	29.6-30.0			Medium dense, brown spot green SILTY SAND.	10					100	93.4	92.7	91.4	32.5	22.8	7.2	22.18	1.934	1.583	2.661	0.41	0.681	86.7	