

4

4.1

가 ,

가 .

가

가

1994 , 6 12

가 ⁽²²⁾,

140 , 40

가

⁽¹¹⁾

2

53

4.1 4.4

5cm

38

5cm

15

4.1.1

5.1

4.2

1) Y11,Y12

Y11=0.6cm, Y12=0.4cm

2) Y13,Y15

가 10.75m

9.75m

가 3.0cm

가

E.P.S 9 (5.4m)

0.5cm

3) Y14,Y16

13.19m,

9.0m 6.0cm

가

(31.4m)

0.8cm

4) Y21,Y22,Y27,Y28

N=0 4

가 40m

Pack Drain

가 Y21=8.1cm,

Y 22=23.4cm E.P.S 9 11 (5.4 6.6m)

5) D11,D12 Sand Drain

가 E.P.S

D11=6.0cm, D12=5.0cm

6) Y25,Y26,Y31

E.P.S

7) Y51,Y52,Y53

(Pack Drain),

가 Y51=2.5cm, Y52=0.7cm, Y53=1.2cm

8) S41,S42,S43,S44

S41=3.8cm, S42=7.5cm, S43=0.6cm, S44=6.5cm가

9) S11,S12 5.0 6.0m,

11 14.0m

S11=3.7cm, S12=1.0cm

가

10) K01 J01 1994

(22)

4.1

NO.	NO.	(m)	(t/cm ³)	(m)	(t/cm ³)		(cm)	
1	Y11	5.97	1.8	14.0	2.5	T	0.6	preloading
2	Y12	7.94	1.8	12.0	4.45	T	0.4	preloading
3	Y13	9.75	1.8	7.30	2.5	T	3.0	-
4	Y14	9.41	1.8	13.1	1.25		6.0	-
5	Y15	10.75	0.91	7.30	4.37	T	0.5	EPS
6	Y16	13.19	1.8	13.1	4.25		0.8	PILE
7	Y21	8.56	1.8	40.1	4.18	T	8.1	-
8	Y22	10.16	1.8	40.1	2.19	T	23.4	-
9	Y23	9.951	1.8	9.0	4.45	T	0.9	preloading
10	Y24	8.878	1.8	5.0	3.85	T	0.3	preloading
11	Y25	7.13	0.71	35.0	3.84	T	0.0	EPS
12	Y26	8.45	0.95	33.0	4.15	T	0.0	EPS
13	Y27	8.40	0.76	40.1	5.11	T	0.0	EPS
14	Y28	9.60	0.67	40.1	4.13	T	0.0	EPS
15	Y31	7.50	0.73	25.2	4.49	T	0.0	EPS

4.1 ()

NO.	NO.	(m)	(t/cm ³)	(m)	(t/cm ³)		(cm)	
16	Y32	10.95	1.83	16.7	4.84		1.6	
17	Y33	10.84	1.83	16.0	4.84		1.0	
18	Y34	11.49	1.83	9.60	3.94		1.6	
19	Y51	9.35	1.90	11.4	2.1	T	2.5	
20	Y52	10.49	1.90	12.0	3.90		0.7	
21	Y53	7.09	1.90	15.8	3.2	T	1.2	
22	O11	8.4	1.8	8.0	1.96	T	0.3	
23	O12	7.05	1.8	4.8	1.96	T	0.4	
24	N11	5.45	1.8	9.0	1.6	T	3.6	
25	N12	5.45	1.8	9.6	1.6	T	3.9	
26	N13	7.25	1.8	9.5	1.5	T	1.5	
27	N14	6.14	1.8	15.7	2.5	T	1.7	
28	N21	6.35	1.8	12.2	1.8	T	1.5	
29	N22	6.0	1.8	11.9	1.85		1.2	
30	N23	6.5	1.8	14.4	2.0		1.0	

4.1 ()

NO.	NO.	(m)	(t/cm ³)	(m)	(t/cm ³)		(cm)	
31	N24	6.5	1.8	14.4	2.0	T	4.2	
32	N25	6.0	1.8	20.5	2.0	T	2.5	
33	N26	7.4	1.78	21.2	2.0	T	1.9	
34	D11	4.2	2.0	20.1	2.5	T	6.0	
35	D12	5.1	2.0	14.1	2.5	T	5.0	
36	S41	12.71	1.78	19.5	3.2		3.8	
37	S42	12.21	1.78	19.2	3.2		7.5	
38	S43	11.65	1.83	15.5	6.0		0.6	
39	S44	11.35	1.83	16.7	3.5		6.5	
40	S11	5.55	1.74	16.5	3.36	T	3.7	
41	S12	5.96	1.74	12.0	2.97	T	1.0	
42	K01	12.45	1.8	15.5	5.5		10.0	
43	K02	8.67	1.8	12.5	4.4		3.18	
44	K03	5.03	1.8	16.8	4		1.0	
45	S01	5.0	1.9	10.9	1.98	T	7.0	

4.1 ()

NO.	NO.	(m)	(t/cm ³)	(m)	(t/cm ³)		(cm)	
46	S02	7.3	1.9	13.3	2.38	T	23.95	
47	S03	4.1	1.9	24.6	3.46	T	1.0	
48	J01	8.54	1.8	28.8	1.55	T	22.25	
49	J02	11.0	1.8	26.3	0.62	T	9.50	
50	J03	8.54	1.8	29.3	0.83	T	19.75	
51	R01	7.30	2.0	4.8	2.02	T	5.0	
52	N11	7.0	1.8	13.5	2.0	T	3.0	SIG
53	S71	10.68	1.8	6	2.02	T	-	PILE

4.2

4.2(a) 4.2(d)
 5m ,
 5m 40m . 1.0 4.0t/cm² 가
 Pack Drain,Sand Drain,Sand
 Compaction Pile

4.2

		(m)	(t/m ³)	(t/m ²)	()	
D11		4.2	2.0	0	30	
		2.4	1.95	0	35	
		20.1	1.511	2.5	0	
		-	1.97	2.0	35	
D12		5.1	2.0	0	30	
		1.4	1.95	0	35	
		14.1	1.5	2.5	0	
		-	1.97	2.0	35	
Y11		5.97	1.8	0	28	
		6.8	1.85	0	25	
		14.0	1.72	2.5	0	
	Gravel	-	2.0	-	38	
Y12		7.94	1.8	0	28	
		12.0	1.74	4.45	0	
	Gravel	-	2.0	-	38	
Y13		9.75	1.8	0	25	
		4.1	1.8	0	30	
		7.3	1.72	2.5	0	
		0.6	1.95	2.0	38	
Y14		9.41	1.8	0	25	
		2.9	1.8	0	30	
		13.1	1.7	1.25	0	
	Gravel	6.4	1.95	0	38	
		-	2.05	5.0	35	
Y15	EPS	10.75	0.91	0	30	
		4.1	1.8	0	30	
		7.3	1.81	4.37	0	
		0.6	1.95	5.0	38	

4.2 ()

		(m)	(t/m ³)	(t/m ²)	()	
Y16		13.19	1.8	0	30	
		2.9	1.8	0	30	
		13.1	1.8	4.25	0	
	Gravel	6.4	1.95	-	38	
		-	2.05	5.0	40	
Y21		8.56	1.8	0	28	
	1	25.0	1.69	3.5	0	
	2	15.1	1.72	5.3	0	
	Gravel	-	2.0	-	40	
Y22		10.16	1.8	0	28	
	1	25.0	1.69	2.0	0	
	2	15.1	1.72	2.5	0	
	Gravel	-	2.0	-	40	
Y25	EPS	7.13	0.71	0	30	
		2.50	1.75	0	23	
		35.0	1.74	3.84	0	
	Gravel	-	2.1	0	38	
Y26	EPS	8.45	0.95	0	30	
		2.5	1.75	0	25	
		33	1.74	4.15	0	
	Gravel		2.1	0	38	
Y27	EPS	8.40	0.76	0	30	
	1	25.0	1.69	5.0	0	
	2	15.1	1.72	5.3	0	
	Gravel	-	2.0	-	40	
Y28	EPS	9.6	0.67	0	30	
	1	25.0	1.69	3.9	0	
	2	15.1	1.72	4.5	0	
	Gravel	-	2.0	-	40	
Y31	EPS	7.5	0.73	0	30	
	Sand	4.8	1.75	0	28	
		25.2	1.72	4.49	0	
	Sand	15.5	1.82	0	30	

4.2 ()

		(m)	(t/m ³)	(t/m ²)	()	
Y51		9.35	1.9	0	30	
	Sand	13.3	1.844	2.1	19	
		11.4	1.74	2.1	0	
		-	1.91	3.2	25	
Y52		10.49	1.9	0	30	
	Sand	11.8	1.85	2.1	19	
		12.0	1.785	3.9	0	
		-	1.91	3.2	26	
Y53		7.09	1.9	0	30	
	Sand	10.5	1.86	3.6	19	
		15.8	1.787	3.2	0	
		-	1.91	3.2	25	
S41		12.71	1.775	0	30	
		19.5	1.625	3.2	0	
	Gravel	-	2.05	0	38	
S42		12.21	1.775	0	30	
		19.2	1.625	3.2	0	
	Gravel	-	2.05	0	38	
S43		11.65	1.827	0	30	
		15.5	1.75	6.0	0	
	Sand	1.9	1.9	0	35	
	Gravel	-	2.1	-	38	
S44		11.35	1.827	0	30	
		16.7	1.7	3.5	0	
	Sand	2.3	1.9	0	35	
S11		5.55	1.74	0	25	
	Gravel	1.3	1.92	0	35	
	1	5.70	1.65	1.6	0	
	2	6.50	1.72	3.5	0	
	3	4.30	1.78	5.5	0	
	Sand	8.70	1.92	0	35	

4.2 ()

		(m)	(t/m ³)	(t/m ²)	()	
S12		5.96	1.74	0	25	
	1	7.3	1.45	1.6	0	
	2	5.7	1.72	4.2	0	
		5.2	1.82	3.5	19	
	Sand	11.3	1.92	0	35	
K1		12.45	1.8	0	30	
		0.89	1.8	0	25	
	1	10.0	1.67	3.2	0	
	2	8.7	1.76	7.4	0	
		-	1.9	2.0	40	
K2		8.67	1.8	0	30	
	1	5.2	1.67	3.6	0	
	2	12.5	1.76	5.2	0	
	Gravel	-	1.95	0	38	
K3		7.38	1.8	0	30	
		17.0	1.67	4.0	0	
	Gravel	-	1.95	0	38	
S1		5.0	1.8	0	28	
		5.5	1.78	0	30	
		11.0	1.55	1.98	0	
		13.0	1.73	3.0	25	
		-	2.1	5.0	35	
S2		7.5	1.9	0	25	
		18.0	1.77	2.38	0	
		11.2	1.91	3.0	25	
		-	2.1	5.0	35	
S3		4.1	1.8	0	30	
		19.0	1.67	3.46	0	
		10.5	1.73	3	25	
		-	2.1	5	35	

4.2 ()

		(m)	(t/m ³)	(t/m ²)	()	
J1		8.54	1.8	0	30	
		6.0	1.78	0	28	
		28.8	1.67	1.55	2	
	Gravel	8	1.95	0	38	
		-	2.1	5.0	35	
J2		8.56	1.8	0	30	
		3.5	1.78	0	28	
		24.2	1.67	0.62	7	
	Gravel	6.3	1.95	0	38	
		-	2.1	5.0	35	
J3		8.54	1.8	0	30	
		2.0	1.78	0	28	
		26.0	1.67	0.83	5	
	Gravel	4.0	1.95	0	38	
		-	2.1	5.0	35	
R1		8.0	1.8	0	30	
		2.0	1.78	0	28	
		4.8	1.58	2.02	0	
	Sand	10.5	1.83	0	28	
		-	2.1	5	35	

4.2.1

1) Y

가
가 .
가 14.329km

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가 .

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2) N

14

(CRETACEDUS)

(BULGUGS

A SERIES)

(HORNBLLENDE GRANITE)

(QUATERNARY)

(ALL

UVIUM)

.

가

3) D

가

가

4

(SC,SM)

N=2/30

50/30

N=1/30 2/30