

LAMPIRAN

DRILLING LOG

HOLE NO : BM-01

PROJECT : PT Prima Arta Nusa
LOCATION : Rancaskek

DEPTH : 35.50 m.
COORDINATE :

GWL : 2.85 m

DEPTH (m)	DATE	SOIL / ROCK		SAMPLE DEPTH (m)	SPT				STRENGTH TEST			ATTERBERG LIMITS					γ_s 9/m ³	Gs	e _s
		SYMBOL	DESCRIPTION		N _{SPT}	0	20	40	60	TYPE	C kg/cm ²	q _u kg/cm ²	0	20	40	60			
0			Timbunan, coklat tua																
1			Lempung kepasiran kelanauan, coklat tua kemerah-merahan, konsistensi lunak																
2			Pasir, abu-abu kemerahan, konsistensi sangat lepas	2.00	1 1 3														
2.45				2.45	151515														
3	19 Agustus 2008																		
4				4.00	1 1 1														
4.45				4.45	151515														
5																			
6			Lempung kelanauan, abu-abu tua, konsistensi sangat lunak hingga sedang	6.00	1 1 2														
6.45				6.45	151515														
7																			
8				8.00	1 2 3														
8.45				8.45	151515														
9																			
10				10.00	2 3 3														
10.45				10.45	151515														
11	20 Agustus 2008		Organik, kelanauan, coklat tua, konsistensi sedang	12.00	2 3 4														
12.45				12.45	151515														
13																			
14			Lanau kelepungan, coklat kehitaman, konsistensi sedang hingga teguh	14.00	2 4 4														
14.45				14.45	151515														
15																			
16				16.00	3 4 5														
16.45				16.45	151515														
17			Pasir halus kelanauan, putih, konsistensi sedang																
18			Lempung kepasiran, coklat tua, konsistensi keras	18.00	9 17 21														
18.45				18.45	15 15 15														
19	21 Agustus 2008																		
20			Lempung kepasiran, abu-abu kehijauan, konsistensi sangat legun	20.00	7 10 13														
20.45				20.45	15 15 15														

REMARKS : 0 TO 10 % : TRACE
10 TO 20 % : LITTLE
20 TO 35 % : SOME
35 TO 50 % : AND

MOB
SPT

○ WATER CONTENT, %
● PLASTIC LIMIT, %
△ LIQUID LIMIT, %

DRILLING LOG

HOLE NO : BM-01

PROJECT : PT. Prima Arta Nusa
 LOCATION : Rancaekek

DEPTH : 35.50 m.
 COORDINATE :

GWL : 2.85 m

DEPTH (m)	DATE	SOIL / ROCK		SAMPLE DEPTH (m)	SPT				STRENGTH TEST				ATTERBERG LIMITS					T _v (min)	U _s	P _v
		SYMBOL	DESCRIPTION		N _{SPT}	0	20	40	60	TYPE	C (kg/cm ²)	φ (°)	q _c (kg/cm ²)	0	20	40	60			
22.00	21 Agustus 2006	[Symbol]	Lempung kapur, abu-abu kehijauan, konsistensi sangat leguh	22.00	2	0	0	0												
22.45				15																15
24.00	21 Agustus 2006	[Symbol]	Lempung kapur, abu-abu kehijauan, konsistensi sangat leguh	24.00	5	12	12	12												
24.45				16																16
26.00	22 Agustus 2006	[Symbol]	Pasir, putih kekuningan, kepadatan sedang hingga sangat padat	26.00	12	28	40	60												
26.45				15																15
28.00	22 Agustus 2006	[Symbol]	Pasir, putih kekuningan, kepadatan sedang hingga sangat padat	28.00	8	7	7	7												
28.45				15																15
30.00	23 Agustus 2006	[Symbol]	Lempung kapur, abu-abu kehijauan, konsistensi sangat leguh	30.00	7	30	35	60												
30.38				15																15
32.00	23 Agustus 2006	[Symbol]	Batu pasir, coklat kehijauan, konsistensi sangat padat	32.00	11	25	37	60												
32.45				15																15
34.00	23 Agustus 2006	[Symbol]	Pasir lempungan kekuningan, coklat muda kekuningan, sangat padat	34.00	12	25	45	60												
34.45				15																15
35.00	23 Agustus 2006	[Symbol]	Pasir lempungan kekuningan, coklat muda kekuningan, sangat padat	35.00	20	35	45	60												
35.45				15																15
36.00			End Of Boring																	

REMARKS: 0 TO 10 % : TRACE
 10 TO 25 % : LITTLE
 25 TO 50 % : SOME
 50 TO 75 % : MUCH

[Symbol] UDS
 [Symbol] SPT

○ WATER CONTENT %
 ● PLASTIC LIMIT %
 ▲ LIQUID LIMIT %

DRILLING LOG										HOLE NO : BM-02									
PROJECT : PT Prima Arta Nusa		DEPTH : 35.50 m		GWL : 5.60 m															
LOCATION : Rancaekak		COORDINATE :																	
DEPTH (m)	DATE	SOIL / ROCK		SPT				STRENGTH TEST				ATTERBERG LIQ - S				γ _s (kN/m ³)	C _u	e _s	
		SYMBOL	DESCRIPTION	SAMPLE DEPTH (m)	N ₆₀	U	25	40	60	TYPE	C (kg/cm ²)	φ ^o	Q (kg/cm ²)	20	40				60
1																			
2			Lempung, coklat tua, konsistensi sedang	2.00 2.45	2 2 2 191010														
4			Lempung kapur, abu-abu tua kebiruan, konsistensi sedang	4.00 4.45	2 2 2 191010				TS4UJ	0.77	0.20						1.00	2581	0.60
6	25 Agustus 2008		Lempung kapur, abu-abu tua kebiruan, konsistensi sedang	6.00 6.45	2 2 2 191010				TS4UJ	0.77	0.20								
8			Lempung kapur, abu-abu tua kebiruan, konsistensi sedang	8.00 8.45	2 2 2 191010				TS4UJ	0.77	0.20								
10			Lempung kapur, abu-abu tua kebiruan, konsistensi sedang	10.00 10.45	2 2 2 191010				TS4UJ	0.77	0.20								
12			Lempung kapur, abu-abu tua kebiruan, konsistensi sedang	12.00 12.45	2 2 2 191010				TS4UJ	0.77	0.20								
14	25 Agustus 2008		Organik kelabu, coklat tua, konsistensi lunak hingga leleh	14.00 14.45	2 2 2 191010				TS4UJ	0.77	0.20								
16			Organik kelabu, coklat tua, konsistensi lunak hingga leleh	16.00 16.45	2 2 2 191010				TS4UJ	0.77	0.20								
18			Organik kelabu, coklat tua, konsistensi lunak hingga leleh	18.00 18.45	2 2 2 191010				TS4UJ	0.77	0.20								
20	27 Agustus 2008		Lempung kapur, abu-abu tua kebiruan, konsistensi sedang	20.00 20.45	2 2 2 191010				TS4UJ	0.77	0.20								

REMARKS: 0 TO 10% TRACE
10 TO 20% LITTLE
20 TO 30% SOME

LIQS WATER CONTENT, %
 PLASTICITY, %
 ...

DRILLING LOG										HOLE NO : BM-02					
PROJECT : PT Prima Arta Nusa			DEPTH : 35.50 m.			GWL : 5.60 m									
LOCATION : Rancebek			COORDINATE :												
DEPTH (m)	DATE	SOIL / ROCK	DEPTH (m)	SPT			STRENGTH TEST			ATTERBERG LIMITS				G _s	e _v
				N ₆₀	C	Q	TYPE	σ ₁ (MPa)	σ ₃ (MPa)	σ ₃ (MPa)	w _L	w _p	U _c		
21	27 Agustus 2006	Lempung lempuran, abu-abu ke, konsistensi lemas	22.00	15	15	15									
22			22.45	15	15	15									
23		Lempung lempuran, coklat kehitaman, konsistensi sedang	24.00	52	52	52									
24			24.45	52	52	52									
25	28 Agustus 2006	Lempung lempuran, abu-abu kehijauan, konsistensi sangat lemas	25.00	8	8	8									
26			25.45	8	8	8									
27		Pasir sekonditer, silte, kuning keemasan konsistensi padat	28.00	15	15	15									
28			28.50	15	15	15									
29		Lempung lempuran konsistensi lemas	30.00	15	15	15									
30			30.40	15	15	15									
31		Lempung lempuran, coklat, konsistensi lemas	32.00	18	18	18									
32			32.35	18	18	18									
33	28 Agustus 2006	Pasir sekonditer, coklat keabu-abuan konsistensi sangat padat	34.00	28	28	28									
34			34.50	28	28	28									
35		Lempung lempuran abu-abu lemas, konsistensi lemas													
36		End Of Boring													

SQUARES : 1/1000 TRACT
 1/10000 TITLE
 1/100000 SCALE
 1/100000000

WATER CONTENT, %
 LIQUID LIMIT, %
 PLASTICITY INDEX, %

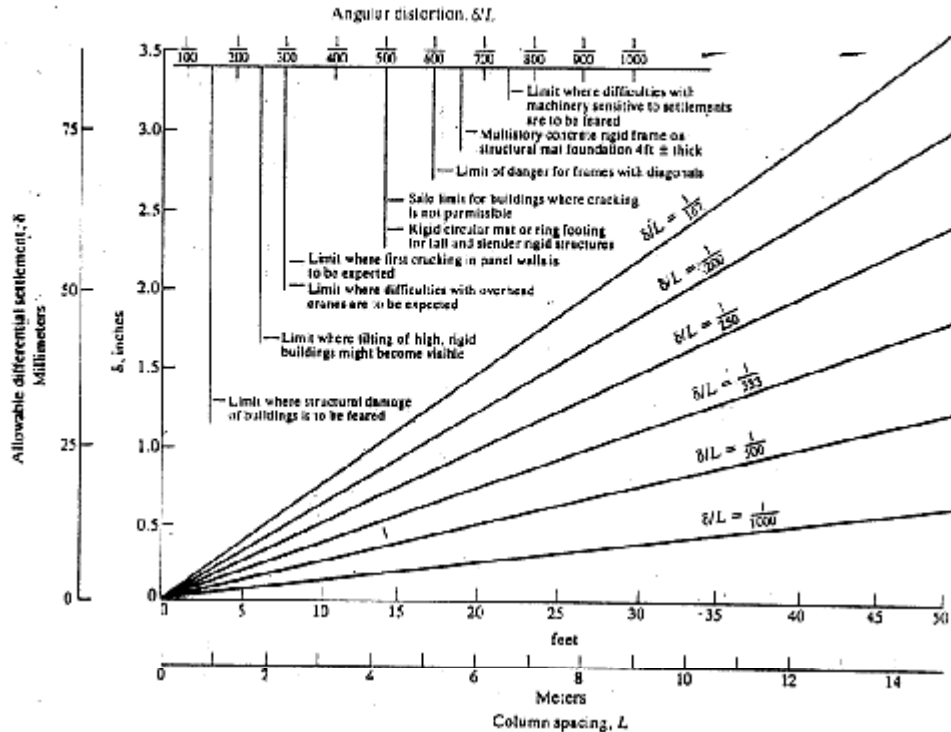


Fig. 5.59 Tolerable settlements for buildings. (Bjerrum, 1963; U.S. Navy, 1982.)

TABLE 5.13 LIMITING SETTLEMENTS FOR STRUCTURES*.

Type of Movement	Limiting Factor	Maximum Allowable Settlement or Differential Movement
Total settlement	Drainage	6 to 12 in
	Access	12 to 24 in
	Probability of nonuniform settlement	
Tilting	Masonry-walled structure	1 to 2 in
	Framed structures	2 to 4 in
	Smokestacks, silos, mats	3 to 12 in
	Stability against overturning	Depends on height and weight
	Tilting of smokestacks, towers	$0.004h$
	Rolling of trucks, etc.	$0.01L$
	Stacking of goods	$0.01L$ ($\sim 1/100$)
	Machine operation—cotton loom	$0.003L$
	Machine operation—turbogenerator	$0.0002L$
	Crane rails	$0.003L$
Differential movement	Drainage of floors	$0.01L$ to $0.02L$
	High continuous brick walls	$0.0005L$ to $0.001L$ ($\sim 1/300$)
	One-story brick mill building, wall cracking	$0.001L$ to $0.02L$
	Plaster cracking (gypsum)	$0.001L$ ($1/600$)
	Reinforced-concrete building frame	$0.0025L$ to $0.004L$ ($\sim 1/160$ to $1/170$)
	Reinforced-concrete building curtain walls	$0.003L$
	Steel frame, continuous	$0.002L$
	Simple steel frame	$0.005L$

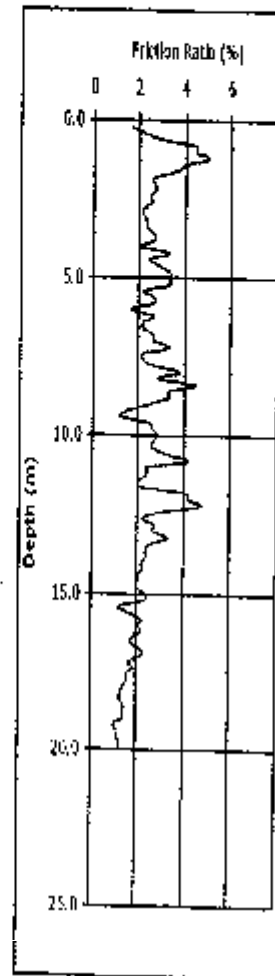
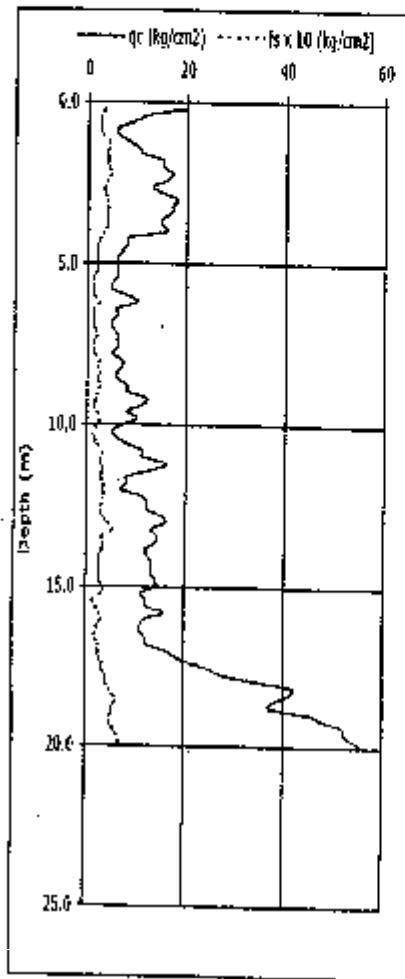
*After Sowers (1962), Perloff and Barton (1976, p. 617).

Note: L = clearance between adjacent columns that settle different amounts, or between any two points that settle differently. Higher values of allowable settlement are for regular settlements and more robust structures.

DUTCH CONE PENETRATION TEST

Project : PT Prima Artha Nusa
Coordinate X :
Coordinate Y :
Ground Level :
Sounding No. : S-6

Date : 20 Agustus 2006
Depth of Sounding : 20.00 m
Ground Water Level : 3.00 m
Operator : Darno cs
Checked by : FF



DUTCH CONE PENETRATION TEST

Project : PT Prima Artha Nusa
 Coordinate X :
 Coordinate Y :
 Ground Level :
 Sounding No. : S-7

Date : 21 Agustus 2006
 Depth of Sounding : 20.00 m
 Ground Water Level : 3.00 m
 Operator : Darmo cs
 Checked by : FF

