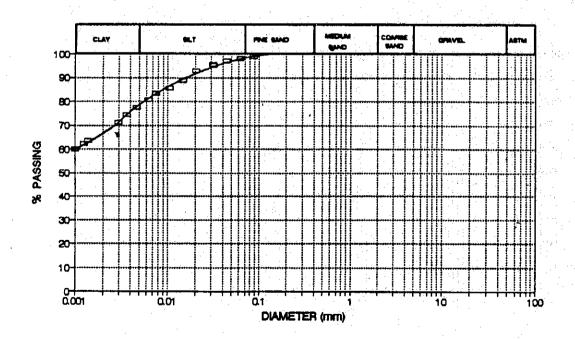
GRAIN SIZE ANALYSIS

Project:	Subsidence in Bangkok Vicinity Location: Minburi	٠, -
Borehole No.;	A Depth (m) 1200-128 128 Test No.: AH-6	1
Soli Description	: Tested By: Date: 25-1-93	

SIEVE /	WALYSIS
	Parcent
Opening	Finer
(mm) 4.76	(%)
200	
0.84	84.
0.59	
0.42	
0.30 0.15	and a state
0.07	

HYDROMETER ANALYSIS Particle Percent Size Finer (ririt) (%) 0.0678 0.0624 96.08 0.0443 97.19 0.0317 95.42 0.0316 95.71 0.0203 93.05 0.0147 88.92 0.0106 85.67 0.0076 83.31 0.0062 80.94 0.0047 77.71 0.0036 74.75 0.0029 71.21 0.0014 63.53 0.0013 62.35 0,0010 60,28



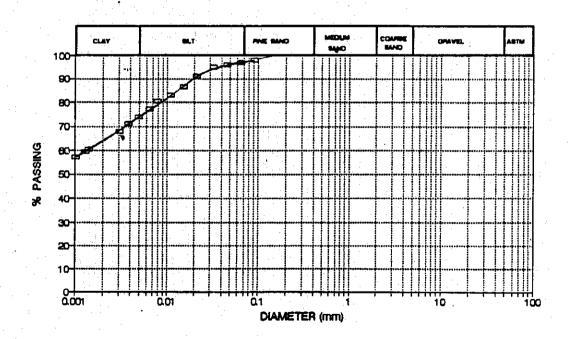
GRAIN SIZE ANALYSIS

Project:	Subsk	dence in Bangko	k Vicinity	 Location:	Minburt	4			
Borehole No.:	<u>A</u>	Depth (m)	14.00-14.80	 Sample No.:			Test No.:	AH-7	1 1 1 1 1
Soil Description	າ:			 Tested By:			Date:	25.1.9	3

SIEVE ANALYSIS

SIEVE A	WALYSIS
Opening (mm)	Parcent Finer (%)
4,76	
2.00	
0.84	
0.59	7 114
0.42	e de la companya del companya de la companya del companya de la co
0.30	
0.15	
0.07	
	No.

Particle	Percent
Size	Finer
(mm)	(%)
0.0914	98.33
0.0651	97.04
0.0462	96.07
0.0328	95,10
0.0326	95.42
0.0211	91,23
0.01 53	86.72
0.0110	83.17
0.0078	80.59
0.0065	77.37
0.0049	74.16
0.0038	71.26
0.0030	68.04
0.0014	60,63
0.0013	59.66
0.001 0	57.40



ASIAN INSTITUTE OF TECHNOLOGY

GEOTECHNICAL AND TRANSPORTATION ENGINEERING DIVISION

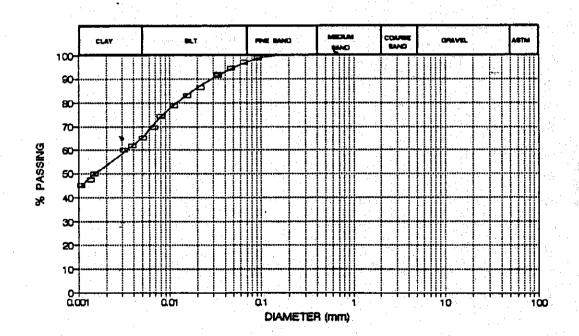
GRAIN SIZE ANALYSIS

Project:	Subsi	idence in Bangi	kok Vicinity		Location:		
Borehole No.:	Α	Depth (m)	16.00-16.80	<u>. 191</u>	Sample No.:	Test No.:	AH-8
Soil Description	1:				Tested By:	Date:	25-1-93

SIEVE ANALYSIS

	Parcent
Opening	Finer
(IT)(T))	(%)
4.76	
200	
0.84	
0.59	
0.42	
0.30	
0.15	
0.07	
2 / 198	

TTTOTTOTTE	2117442141
Particle	Percent
Size	Finer
(mm)	(%)
0.0919	98.72
0.0655	97.08
0.0468	94.78
0.0336	91.48
0.0335	9214
0.0217	86,55
0.0156	83,26
0.0112	78,98
0.0080	74.70
0.0067	69.76
0.0061	65.17
0.0039	61.88
0,0031	60.23
0.001 5	50.04
0.0014	47.40
0,0011	45.10



GRAIN SIZE ANALYSIS

Project: Su	bsidence in Bangi	kok Vicinity	Location:	Minburl		
Borehole No.: A	Depth (m)	18,00-18,8	Sample No.:		Test No.:	AH-9
Soil Description:			Tested By:		Date:	25-1-93

SIEVE ANALYSIS

SIEVE /	WALTOO
	Percent
Opening	Finer
(13)(11)	(%)
4.76	100.00
200	100.00
0.84	100.00
0.59	99.90
0.42	99.90
0.30	99.70
0.15	43.00
0.07	18.70

Particle: Percent Size: Finer (mm) (%) 0.0917 18.55 0.0659 17.94 17.33 0.0473 0.0339 16.72 0.0338 16.85 0.0219 15.93 0.0156 15.51 15.02 0.0112 0.0079 14.84 0.0065 14.29 0.0049 13.87 0.0038 13.26

0.0031

0.0014

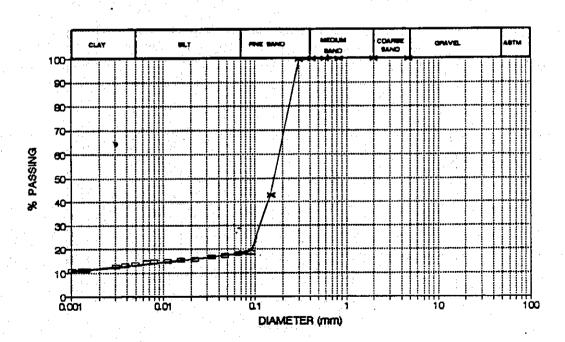
0.0013

0,0010

12.71 11.31

11.19

10.83



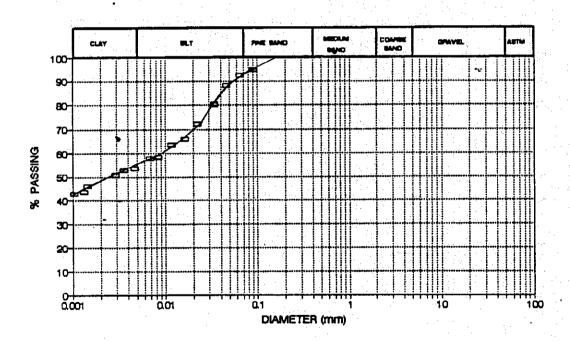
GRAIN SIZE ANALYSIS

Project:	Subsidence in Bangkok	Vicinity Location	on: <u>Minburl</u>		
Borehole No.:	A Depth (m) 3	1.0-320 Sampl	8 No.:	Test No.:	AH-55
Soil Description		Tested	By:	Date:	4-3-93

SEVE ANALYSIS

SEVEA	NALTSIS
Орегипа	Parcent Finer
(mm) 4.76	(%)
200	
0.84	
0.59	
0.42	
0.30	
0.15 0.07	
0.07	

HUNONE	CIT PO CETOR
Particle	Percent
::::Size	Finer
(साम)	(%)
0.0899	94.85
0.0643	92.74
0.0468	88.22
0.0342	80.69
0.0343	80.09
0.0225	72.26
0.0163	66.24
0.0117	63.53
0.0064	58.71
0.0069	58.11
0.0047	53.87
0.0036	52.97
0.0029	50.86
0.0014	46.05
0.0013	43.64
0.0010	43.04



GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity Location: Minburl

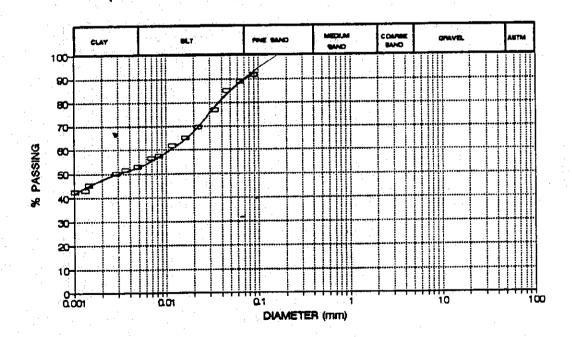
Borehole No.: A Depth (m) 33.0-34.0 Sample No.: Test No.: AH-56

Soil Description: Tested By: Date: 4-3-93

CIEVE ANALYSIS

SIEVE A	NALYSIS
	Percent Finer
Operaing (mm)	(%)
4.76	
200	
0.84	
0.59	
0.42	
0.30	
0.15	
0.07	

LIDIONE ICH SOCTOR			
Particle	Percent		
Size	Finer		
(mm)	(%)		
0.0881	91.94		
0.0634	89.15		
0.0459	85.25		
0.0339	77.17		
0.0339	77.17		
0.0223	69.93		
0.01 61	65.19		
0.0116	61.85		
0.0063	57.67		
0,0068	56.56		
0.0048	52.94		
0,0036	51.80		
0.0029	50.13		
0.0014	45.39		
0.0013	43.17		
0,0010	42.61		
0.0000	10.71		



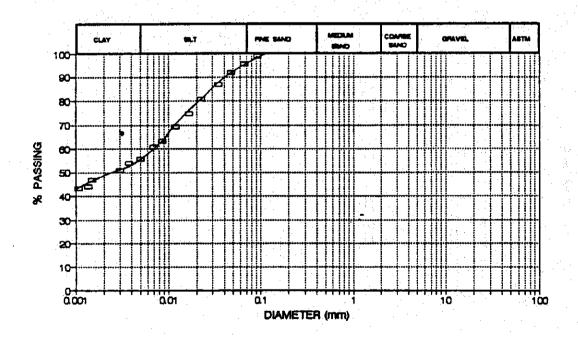
GRAIN SIZE ANALYSIS

Project: Subsi	dence in Bangko	ok Vicinity	<u>.</u>	Location:	Minburl		
Borehole No.: A	Depth (m)	35,00-36,00	340	Sample No.:		Test No.:	AH-57
Soil Description:			36	Tested By:		Date:	4-3-93

SIEVE ANALYSIS

SIEVEA	NALYSIS	_
Opening	Percent Finer	
(111(111)	(%)	
4.76		
200		
0.84		
0.59		
0.42		
0.30		
0.15		٦
0.07		٦
		٦
		٦
		٦

TITOTIONAL	WITT WE TO TO
Particle	Percent
Size	Finer
(सामा)	(%)
0.0928	98.82
0.0667	95,64
0.0479	9213
0.0347	87.03
0.0347	87.03
0.0226	80.97
0.01 64	74.91
0.0118	69.50
0.0066	63.44
0.0071	60.89
0.0050	55.79
0.0037	54.17
0.0030	50.99
0.001 5	46.84
0.0014	44.29
0.0011	43.34



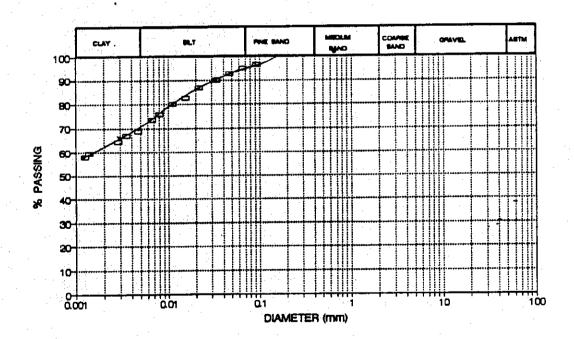
GRAIN SIZE ANALYSIS

Project: St	ibsidence in Bangi	cok Vicinity	<i>i</i> .	Location:	Minburl		
Borehole No.: A		60.0-61.0		Sample No.:		Test No.:	AH-58
Soli Description:	1 (1)			Tested By:		Date:	4-3-93

SIEVE ANALYSIS

SIEVE ANALYSIS		
	Percent	
Opening	Finer	
(mm)	(%)	
4.76		
200		
0.84		
0.59		
0.42		
0.30		
0.15		
0.07		

Particle	Percent
:::Size	Finer
(mm)	(%)
0.0923	96.78
0.0658	95.17
0.0470	92.91
0.0337	90.01
0.0337	90.33
0.0216	87.11
0.01 56	82.59
0.0111	80.33
0.0080	75.81
0,0066	73.56
0.0047	68,72
0.0035	67.08
0.0028	64.50
0.0014	59.66
0.0013	58.05
0.0010	56.44



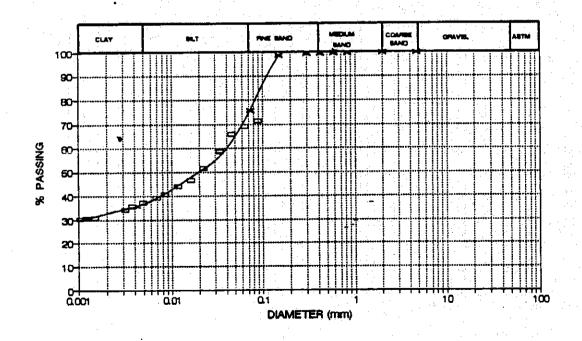
GRAIN SIZE ANALYSIS

Project: Subsidence in Bangi	kok Vicinity L	ocation: Minburi		
Borehole No.: A Depth (m)		ample No.:	Test No.:	AH-110
Soil Description:	1	ested By:	Date:	5-4-93

SIEVE ANALYSIS

SIEVEA	NALYSIS
	Percent
Opening	Firet
(mm)	(96)
4.76	100.00
2.00	100.00
0.84	99.80
0.59	99.70
0.42	99.60
0.30	99.60
0.15	98.70
0.07	75.70
	<u>.</u> .
in the second	
	4.00

Particle	Percent
Size	Finer
(साम)	(%)
0.0881	71.54
0.0633	69.28
0,0458	65.90
0.0339	58.67
0.0338	69.13
0.0224	51.68
0.0162	46.71
0.0117	44.01
0.0064	40.85
0.0069	39.27
0.0049	37.24
0.0037	35.88
0.0032	34.30
0.001 5	31.15
0.0012	30.69
0.0011	30,47



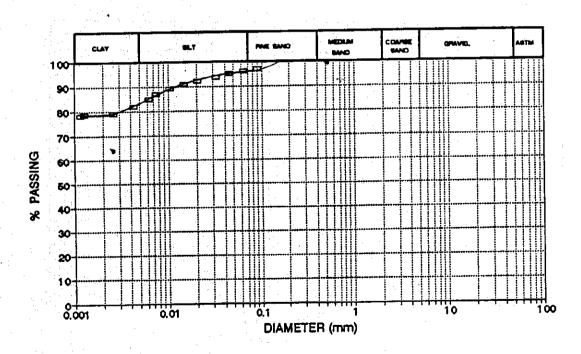
GRAIN SIZE ANALYSIS

Project: S	ubsidence in Bangki	ok Vicinity	Location:	Minburi		
	Depth (m)	78.0-79.0	Sample No.:		Test No.:	AH-59
Borehole No.: A	Борот улу		Tested By:	100	Date:	4-3-93
Soil Description:	entra effective and a second	·				

SIEVE ANALYSIS

SIEVE ANALYSIS					
	Percent :::				
nenina	Firter				
	(%)				
4.76					
200					
0.84					
0.07					
	11.3				
	pening (mm) 4.76				

Particle	Percent
Stze	Finer
(mm)	(%)
0.0892	97.01
0.0634	96.11
0.0451	96.22
0.0321	93.73
0.0321	93.73
0.0206	92.24
0.01 46	91,05
0,0104	89.27
0.0074	87.19
0,0061	85.10
0.0043	82.13
0.0026	79.12
0.0013	78.82
0,0012	78.23
0.0009	77.63



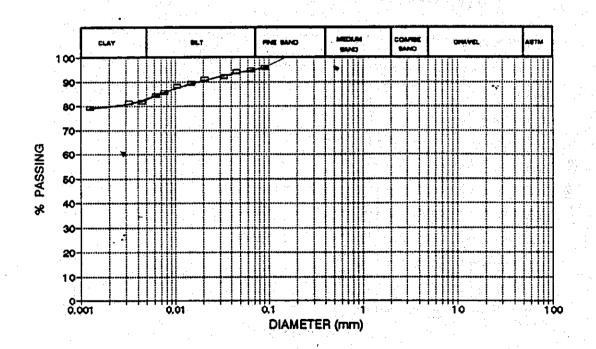
GRAIN SIZE ANALYSIS

Project:	Subsidence in Bangkok Vicinity	Location: Minburi	
Borehole No.:	A Depth (m) 81.00-82.00	Sample No.:	Test No.: AH-60
Soil Description		Tested By:	Date: 4-3-93

CIEVE ANALYSIS

	Percent
Opening	Finer
(mm)	(%)
4.76	
2.00	g Park Land Street
0.84	
0.59	Sept. 1
0,42	
0.30	
0.15	
0.07	
11	

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Construction of the Constr
Particle	Percers
Size	Finer
(FIWIN)	(%)
0.0907	96.03
0.0645	95.10
0.0458	94.18
0.0327	92.32
0.0327	92.32
0.0208	91.40
0.01 48	89.54
0.0106	88.31
0.0076	85.84
0.0062	84.60
0.0044	81.82
0.0032	81.79
0.0013	79.32
0.0009	78,71



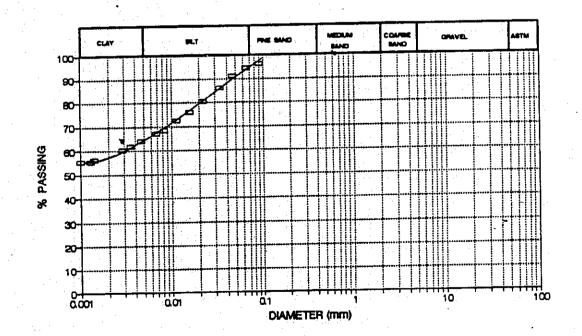
GRAIN SIZE ANALYSIS

	Subsidence in Bang	rate Vicinity	Location:	Minburi		·	
		84.0-85.0	Sample No.:		Test No.:	AH-61	
Borehole No.:			Tested By:		Date:	4-3-93	
Sall Description	** **	7 × 2	leated by.				_

SIEVE ANALYSIS

SIEVE ANALYSIS				
	Percent			
Opening	Finer			
(mm)	(%)			
4.76				
200				
0.84				
0.59				
0.42				
0.30				
0.15				
0.07				
l:				

Particle	Percent
Size	Finer
(mm)	(%)
0.0897	96.38
0.0641	94.63
0.0461	91.42
0.0335	86.45
0.0336	86.16
0.0219	80.61
0.01 58	75.94
0.0114	72.43
0,0062	68.63
0.0067	67.17
0.0046	64.23
0.0035	61.89
0.0028	60.43
0.0014	56.35
0,001 3	55.48
0.0010	55.48

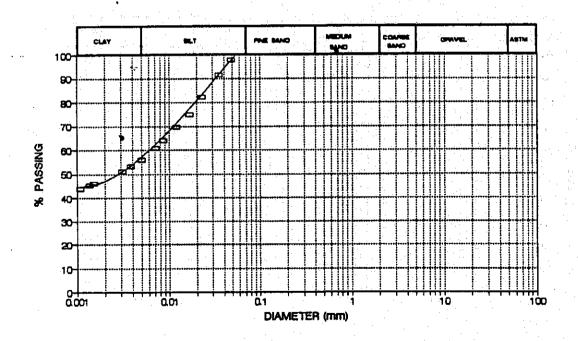


GRAIN SIZE ANALYSIS

Project: Subs	Idence in Bangkok Vicinity	 Location:	Minburi		
Borehole No.: A	Depth (m) 65.0-86.0	Sample No.:		Test No.:	AH-62
Soil Description:		Tested By:		_ Date:	4-3-1993

	Percent
Opening	Firer
(חודו)	(%)
4.76	
200	
0.84	
0.69	
0.42	
0.30	20 TEM A
0.15	
0.07	

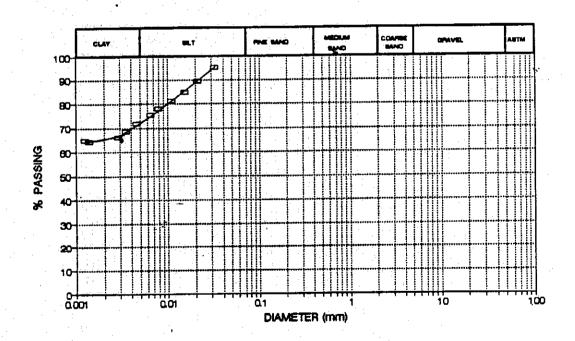
::::Size:::::	rine
(mm)	(%)
0.0487	97.80
0.0352	91.57
0.0352	91.57
0.0230	82.42
0.01 67	75.09
0.0120	69.60
0.0086	64.10
0.0071	60.81
0.0050	56.04
0.0038	53.11
0.0031	51.28
0.0015	46.15
0.0014	45.42
0.0011	43,96
	7 33 1



GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity	Location: Minburi	<u> </u>	
Borehole No.: A Depth (m) 96.0-97.0	Sample No.:	Test No.:	AH-63
Soil Description:	Tested By:	Date:	4-3-1993

HYDROMETER ANALYSIS				
Particle	Percent			
Size	Finer			
(mm)	(%)			
0.0323	95,43			
0.0323	95.43			
0.0211	89.44			
0.01 52	85.03			
0.0109	81.57			
0.0078	78.10			
0,0065	75.58			
0.0045	72.12			
0.0035	68.66			
0.0028	66.14			
0.0014	64.56			
0.0013	64.88			
0.0010	64.88			



GRAIN SIZE ANALYSIS

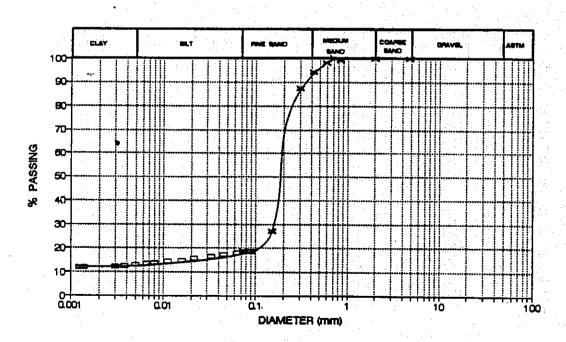
Project:	Subsi	dence in Bang	kok Vicinity	_ Location:	Minburl		
Borehole No.:	Α	Depth (m)	10200-1026	Sample No.:		Test No.:	AH-10
Soil Description	31,	Light of		Tested By:		Date:	3-2-93

SIEVE ANALYSIS

1.0	SEVE	₩	.1313
			Percent
	Opening:		Finer
***	(mm)		(%)
200	4.76	1.9	100.00
81.7	2.00		99.90
8	0.84		99.10
1.00	0.59		96.20
	0.42		94.30
£, 1,	0.30		87.40
12.5	0.15	4 37	27.10
	0.07		18.80
		1	
	444		
ż	1.00	1 5	
ν.		1	
3			
:			

		1	

Particle	Percent
Size	Finer
(mm)	(%)
0.0892	18.37
0.0639	17.90
0,0459	17.31
0.0332	16.43
0.0332	16.37
0.0214	15.72
0.01 56	14.79
0.0112	14.37
0.0080	13.78
0.0066	13.43
0.0049	1296
0.0038	12,37
0.0030	1207
0.0014	11,96
0.0013	11.90
0.0010	1237



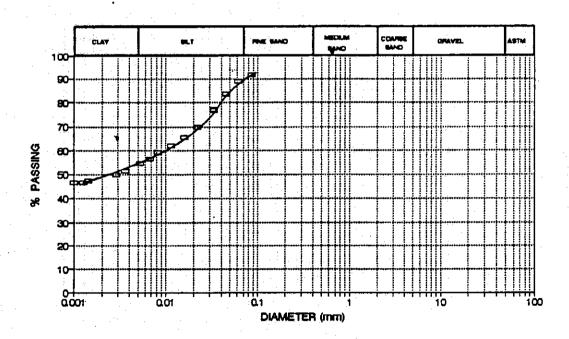
GRAIN SIZE ANALYSIS

Project: Sub	sidence in Bangko	k Vicinity	Location:	Minburi		<u> </u>
Borehole No.: A	Depth (m)	118.00-119.0	Sample No.:		Test No.:	AH-1,1
Soil Description:			Tested By:		Date:	3-2-93

SIEVE ANALYSIS

SIEVE ANALYSIS					
	Percent				
Opening	Finer				
(mm)	(%)				
4.76					
200					
0.84					
0.59					
0.42					
0.30	·				
0.15					
0.07					
	. 1				

	r a si a missioni di la cina di
Particle	Percent
Size	Finer
(mm)	(%)
0.0864	91.86
0.0622	89.05
0.0453	83,71
0.0332	77.25
0.0332	76.97
0.0218	69.95
0.01 59	66.75
0.0114	6210
0,0082	59.29
0.0068	56.76
0.0053	54.79
0.0036	51.41
0.0029	50.01
0.0014	47.48
0.0013	46.64
0.0010	46.64

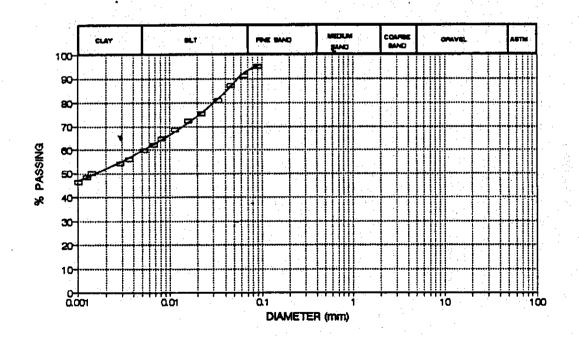


GRAIN SIZE ANALYSIS

Project:	Subsidence in Bangk	ok Vicinity	Location: _	Minburi		
Borehole No.:	A Depth (m)	122.6-123.3	Sample No.:	14. S. C. S.	Test No.:	AH-12
Soil Description			Tested By:		Date:	3-2-93

SIEVE A	NALYSIS
Opening	Percent Finer
(mm)	(%)
4.76	
200	
0.84 0.59	
0.42	
0.30	
0.15	
0.07	

HYDROMET	ER ANALYSIS
Particle	Percent
Size	Finer
(त्याया)	(%)
0.0694	95.03
0.0644	91.32
0.0465	87.29
0.0338	81.10
0.0338	81.10
0.0222	75.55
0.01 59	72.46
0.0114	68.74
0.0082	65.03
0.0068	62.24
0.0053	59.76
0.0036	56.03
0,0029	54.18
0.0014	50.16
0.0013	48,60
0.0010	46.44

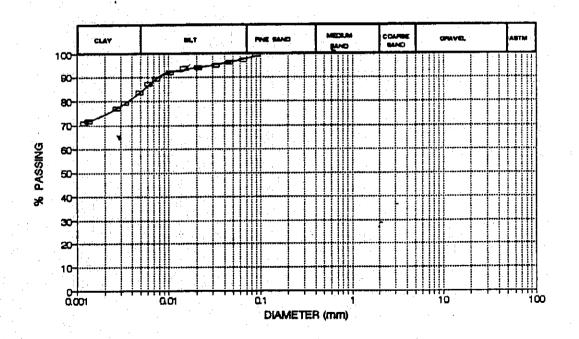


GRAIN SIZE ANALYSIS

Project:	Subsidence in Bangk	ok Vicinity	Location:	Minburl		
Borehole No.:	A Depth (m)	154-154.8	Sample No.:		Test No.:	AH-13
Soil Description			Tested By:		Date:	3-2-93

SIEVE ANALYSIS						
Opening	Percent Finer					
(mm)	(%)					
4.76						
2.00						
0.84						
0.59						
0.42						
0.30	11					
0.15						
0.07						

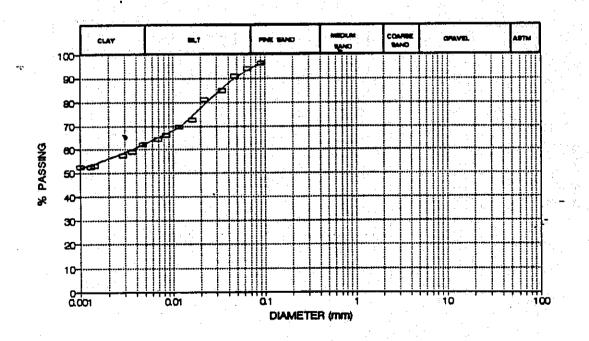
HIDHORICICH AVACIOIO					
Particle	Percent				
Size	Finer				
(mm)	(%)				
0,0896	99.72				
0.0640	97.43				
0.0455	96.45				
0.0324	95.14				
0.0324	95.14				
0.0206	94.16				
0.0146	93.83				
0,0104	92.20				
0.0074	89.25				
0.0061	87.29				
0.0049	83.71				
0.0033	79.46				
0.0027	77.17				
0.0013	71.95				
0.0012	70.97				
0.0010	70.97				



GRAIN SIZE ANALYSIS

Prolect:	Subsidence	e in Bangko	k Vicinity	L	ocation:	Minburi			
Borehole No.:	A Dep	ith (m)	162-163	s	ample No.:			Test No.:	AH-64
Soll Description	!			T	ested By:			Date:	4-3-93

HYDROMETER ANALYSIS					
Particle Size	Percent Finer				
(mm)	(%)				
0.0907	96.33				
0.0649	94.22				
0.0467	90.91				
0.0340	85.19				
0,0341	84.89				
0.0219	81.28				
0.0161	72.85				
0.0116	69.84				
0.0083	66.23				
0.0068	64.42				
0,0047	61.99				
0.0036	58,98				
0.0029	57.17				
0.0014	52.97				
0.0013	52.67				
0.0010	5236				



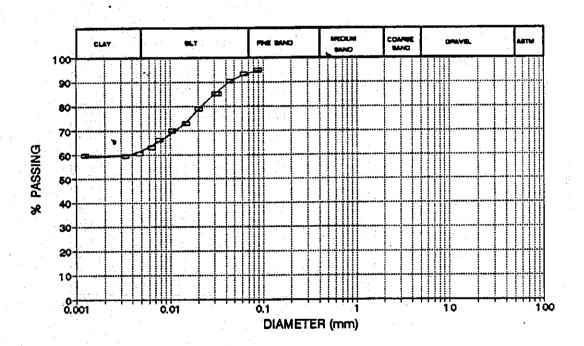
GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity	Location:	· <u> </u>		<u>, 1</u>
Borehole No. A Depth (m) 180.0-181.0	Sample No.:		Test No.:	AH-65
Soli Description:	Tested By:	WY	Date:	5-2-1993

SIEVE ANALYSIS

SIEVE ANALYSIS							
	Percerit						
Opening (mm)	Finer (%)						
4.76	(0) (00000000) /0000000						
200							
0.84							
0.59							
0.42							
0.30							
0.07							

Particle	Percent
Size	Finer
(mm)	(%)
0.0881	95.10
0.0629	93.38
0.0453	90.50
0.0329	85.33
0.0329	85.33
0.0311	85,33
0.0204	79.01
0.0149	72.98
0.01 07	70.11
0.0077	66.37
0.0064	63.21
0.0048	60.62
0.0033	59.47
0.0013	59,86
0.0010	57.90



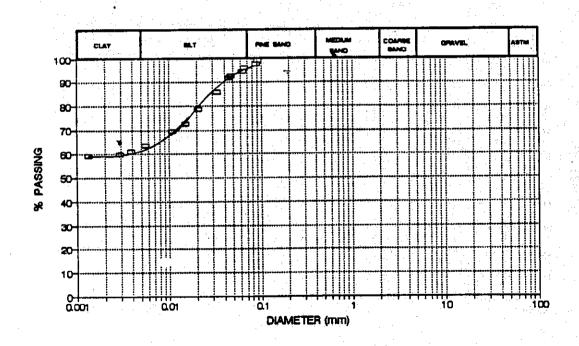
GRAIN SIZE ANALYSIS

Project:	Subsidence in Bangk	ok Vicinity	Location: N	MNBURI		
Borehole No.:	A Depth (m)	235-236	Saraple No.:		Test No.:	AH-66
Soil Description	1:		Tested By: <u>V</u>	<u>~</u>	Date:	5-2-1993

SEVE ANALYSIS

SIEVE ANALYSIS						
	Percent					
Opening	Firer					
(mm)	(%)					
4.76						
200	gis Britis a L					
0.84						
0.59						
0.42						
0.30						
0.15						
0.07						

HYDROMETER ANALYSIS Particle: Percent Size Faner (%) (min) 99,19 0.0917 95.94 0.0659 92.68 0.0473 0.0875 97.63 0.0629 94.72 0.0463 91.80 0.0331 85.68 0.0330 85.97 0.0206 78.69 0.0150 72.86 0.0108 69.65 0.0095 13,99 63.53 0.0066 61.20 0.0039 59.74 0.0029 59.45 0.0014



GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity Location: MINBURI

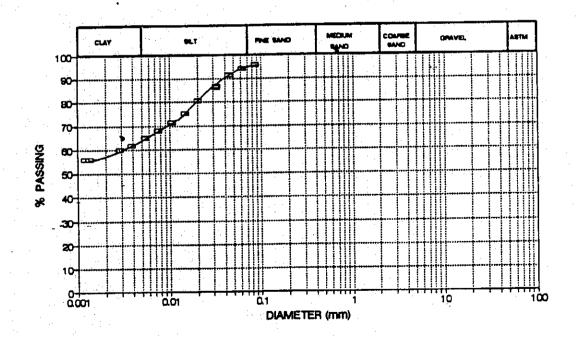
Borehole No.: A Depth (m) 277-278 Sample No.: Test No.: AH-67

Soil Description: Tested By: WY Date: 5-2-1 993

SIEVE ANALYSIS

SIEVE ANALYSIS						
Орепіпа (пип)	Percent Finer (%)					
4.76						
200						
0.84						
0.59						
0.42						
0.30						
0,15						
0.07						

LI DUCINE LELLANCE AND					
Particle	Percent				
Size	Finer				
(mm)	(%)				
0.0865	95.86				
0.0617	94.43				
0.0444	91.57				
0.0323	86.41				
0.0322	86.70				
0.0200	80.69				
0.0145	75.26				
0.01 05	71.54				
0.0076	68.10				
0.0054	65.24				
0.0038	61.81				
0.0029	60.09				
0.0013	56.08				
0.0012	56.08				
0,0009	56.08				
0.0009	56.37				

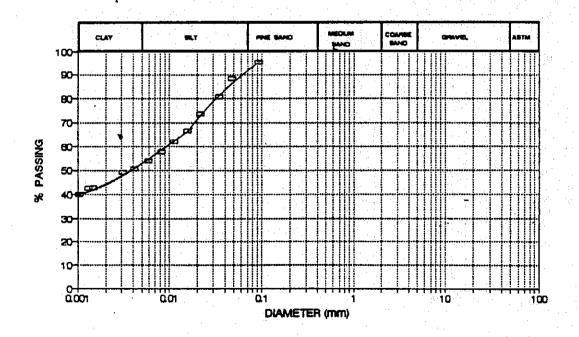


GRAIN SIZE ANALYSIS

Project:	Subsid	dence in Banç	kok Vicinity		Location:	MINBURI	i Alfred III de Transport Alfred James (1871) e 189	
Borehole No.:	A	Depth (m)	287.5-288	24	Sample No.:	<u> </u>	Test No.:	AH-68
Soil Description	1:	Filesoff (1.7	Tested By:	WY	Date:	5-2-1993

SIEVE A	NALYSIS
	Percert
Орепіпід	Finer
(mm)	(%)
4.76	
200	
0.84	\$1.50
0.59	
0.42	
0.30	1.00
0.15	
0.07	
	(1)
	and the second
15 - 15 - 15 - 15 - 15 - 15 - 15 - 15 -	
*, 2 3. v	

Particle	Percent	
Size	Finer	
(mm)	(%)	
0.0922	95.31	
0.0476	88.32	
0.0348	81.01	
0,0348	81.01	
0.0216	74.03	
0.01 58	66.72	
0.0114	62.27	
0.0082	57.82	
0.0069	54 .01	
0.0041	50.83	
0.0031	49.24	
0.001 5	42.89	
0.001 3	42.57	
0.001 0	40.03	
0.001 0	37.17	

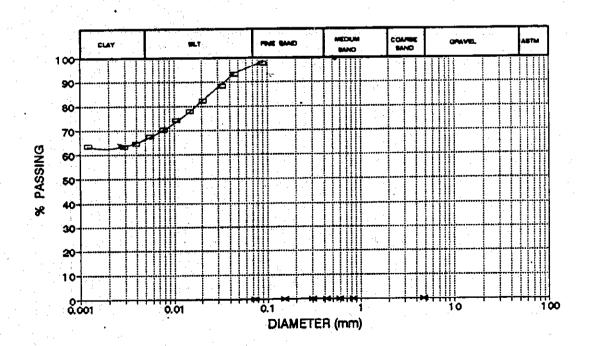


GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity	Location:	MINBURI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Sample No.:		Test No.:	AH-69
Soil Description:	Tested By:	WY	Date:	5-2-1993

SIEVE	NALTOID
	Percent
Opening	Finer
(FIETO)	(%)
4.76	
0.84	
0.59	
0.42	
0.30	
0.15	
0.07	
	1.

Particle	Percent
Size	Finer
(mm)	(%)
0.0693	97.60
0.0458	93.16
0.0333	88.13
0.0332	88.43
0.0206	82.22
0.0149	78.08
0.0107	74.23
0.0077	70.39
0.0055	67.43
0,0039	64.47
0,0029	63.29
0.0008	64.47
0.0012	63.59
0.0009	65.06
0,0009	64.18



GRAIN SIZE ANALYSIS

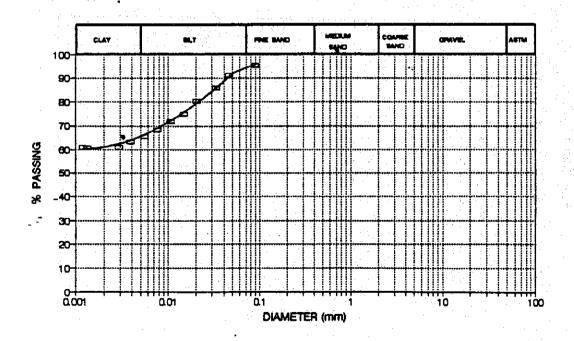
Project: Subsidence in Bangkok Vicinity Location: MINBURI

Borehole No.: A Depth (m) 304-304.8 Sample No.: Test No.: AH-70

Soil Description: Tested By: WY 8-3-93 5-2-1993

SIEVE A	NALYSIS
	Percent
Opening	Finet
(mm)	(%)
4.76	
200	
0.84	
0.59	
0.42	
0.30	
0.15	
0,07	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	and the state of the

HYDROMETER ANALYSIS		
Particle	Percent	
Size	Finer	
(mm)	(%)	
0.0885	95.54	
0.0454	91.20	
0.0330	85.99	
0.0330	85.99	
0.0204	80.49	
0,0149	74.99	
0.0107	72.09	
0.0077	68.62	
0.0055	65.72	
0.0039	63.40	
0.0029	61.09	
0.0013	60.80	
0.0012	61.09	
0.0009	62.25	
0.0009	61.09	



GRAIN SIZE ANALYSIS

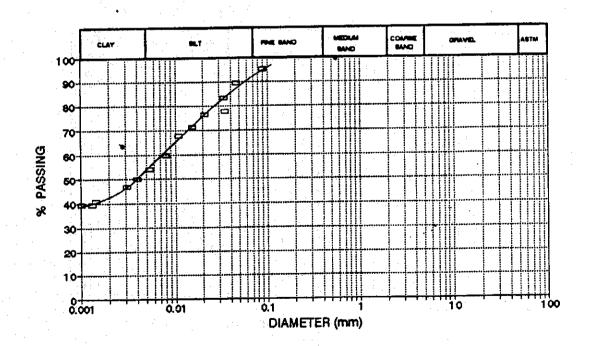
Project: Subsidence in Bangkok Vicinity Location: MiNBURI

Borehole No.: A Depth (m) 320.4-321 Sample No.: Tested By: WY Date: 11-3-1993

SIEVE ANALYSIS

	Percent
Opening	Finer
(11810)	(%)
4.76	
0.84	
0.59	
0.42	
0.30	<u> </u>
0.15	I
0.07	
19 19 19 19 19 19 19 19 19 19 19 19 19 1	

والتا فيتنفس بالمرافق المساورة	
Particle	Percent
Size	Finer
(mm)	(%)
0.0902	95,33
0.0465	89.58
0.0339	83.22
0.0348	77.77
0.0211	76,56
0.0153	71.42
0.0110	67.79
0.0080	59.92
0,0053	54.17
0.0040	49.93
0.0031	46.91
0.0014	40.85
0.0013	39.34
0.0010	39.34
0.0010	38.13



GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity Location: MINBURI

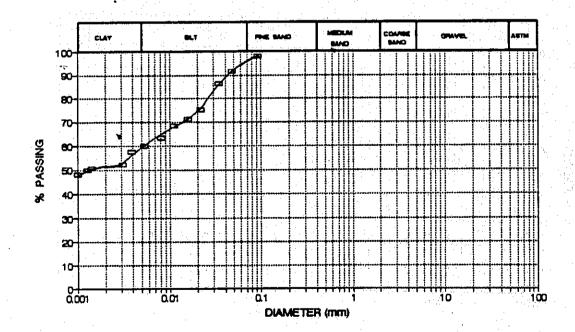
Borehole No.: A Depth (m) 325.2-325.7 Sample No.: Test No.: AH-72

Soil Description: Tested By: WY Date: 11-5-1993

SIEVE ANALYSIS

	NALYSIS Percerit
Operang	Finer
(mm)	(%)
4.76	
200	
0.84	
0.59	The second
0.42	
0.30	
0.15	
0.07	
	25 T 9 T
	10 <u>10 10 10 10 10 10 10 10 10 10 10 10 10 1</u>
er de esta a fillada	

HYDROMETER ANALYSIS		
Particle	Percent	
Size	Finer	
(mm)	(%)	
0.0918	98.24	
0.0474	91.90	
0.0343	86.51	
0.0217	75.42	
0.01.57	71.30	
0.0112	68,45	
0.0081	63.38	
0.0053	60.21	
0.0039	57.68	
0.0031	52.29	
0.0014	50.70	
0.0013	50.07	
0.0010	48.17	
0,0010	48.80	



GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity Location: MiNBUR!

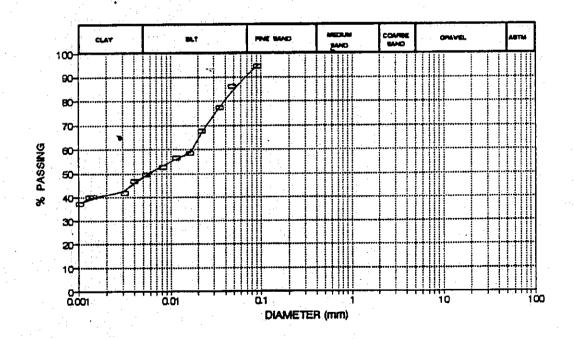
Borehole No.: A Depth (m) 347,2-348 Sample No.: Test No.: AH-73

Soil Description: Tested By: WY Date: 11-3-1993

SIEVE ANALYSIS

SIEVE ANALYSIS		
Opening	Percent Finer (%)	
(mm): 4,76	10-00-00(1/9) 100-001	
2.00		
0.84		
0.59		
0.42		
0.30		
0.15		
0.07		
1,34,44,1		
<u> </u>		

Particle	Percent
Size	Finer
(mm)	(%)
0.0912	94.54
0.0475	86.17
0.0349	77.49
0,0349	77.49
0.0220	67.57
0.0162	58.58
0.0115	56.41
0.0083	52.69
0.0054	49.59
0.0040	47.11
0,0031	41.85
0.0014	40.30
0.0013	39.99
0,0010	37.20
0.0010	37.20



GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity Location: MINBURI

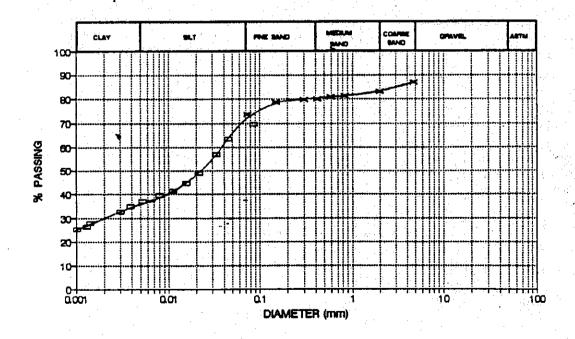
Borehole No.: A Depth (m) 363-364 Sample No.: Test No.: AH-74

Soil Description: Tested By: WY Date: 11-3-1993

SIEVE ANALYSIS

	UVALTOIS
	Percent
Opening	Fire
(mm)	(%)
4.76	87.00
200	83,30
0.84	81.50
0.59	80.80
0.42	80.30
0.30	79.90
0.15	79.00
0.07	73.70

HYDROMETER ANALYSIS Particle: Percent Finer Size (mm) (%) 0.0860 69.77 63,63 0.0451 57.50 0.0333 57.08 0.0334 0.0213 48.84 0.0155 44.61 0.0111 41.44 0.0080 39.53 37.00 0.0052 0,0039 34.88 0.0030 32.77 0.0014 27.91 0.0013 26.43 25.37 0.0010 0.0010 24.31



GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity Location: MiNBURI

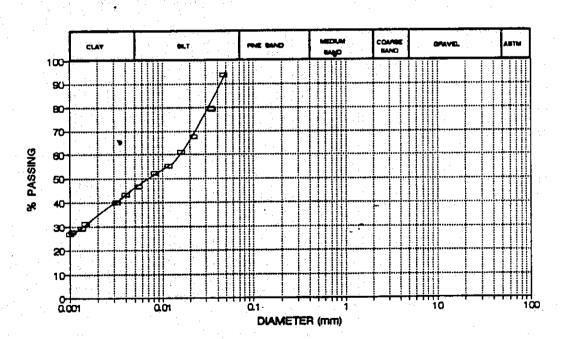
Borehole No.: A Depth (m) 377-378 Sample No.: Test No.: AH-75

Soil Description: Tested By: WY Date: 11-3-1993

SIEVE ANALYSIS

SIEVE /	NALYSIS
	Percent
Opening	Finer
	(%)
(mm)	
4.76	
2.00	
0.84	\$ 10 m
0.59	
0.42	
0,30	the second
0.15	
0.07	
1.1	
V ₁ .	

Particle Size (mm)	Percent Finer (%)
	+j+1
0.0468	94.06
0.0346	79.28
0.0345	79.90
0.0220	67.60
0.01 60	61.15
0.0116	55.31
0.0083	52.24
0.0055	46.71
0.0040	43.33
0.0032	39,95
0.0015	31.34
0.0014	29.19
0,0011	27.66
0.0010	26.73

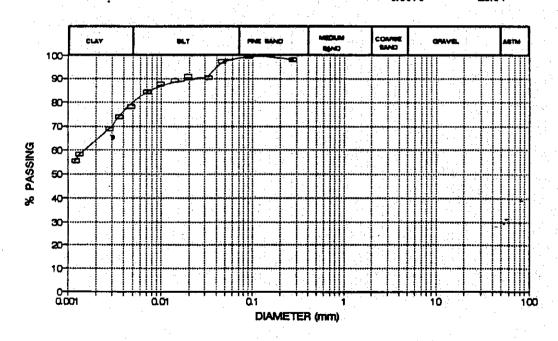


GRAIN SIZE ANALYSIS

Project:	Subsid	ence in Bangk	ok Vicinity	_ Location:	MINBURI		
Borehole No.:	A	Depth (m)	395,0-396,0	Sample No.:		Test No.:	AH-76
Soil Description	1:			Tested By:		Date:	11-3-1993

SIEVE A	NALYSIS
Opening	Percent Finer
(mm)	(%)
4.76	
200	
0.84	
0.59	
0.42	
0.30	
0.18	
0.07	14 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	V ₂ , 10 (10)
And the second second	

HIDHOME	EU WAT I OR		
Particle	Percent		
Size	Finer		
(mm)	(%)		
0.0912	99.61		
	Nagara da		
0.0461	97.32		
0.0327	90.65		
0.0196	90.96		
0.0139	89.42		
0.0100	87.58		
0.0072	84.50		
0.0048	78.36		
0.0036	74.06		
0.0028	69.14		
0.0013	58,39		
0.0012	55.62		
0.0010	52.85		
0.0009	51.32		
0.0010	29.54		



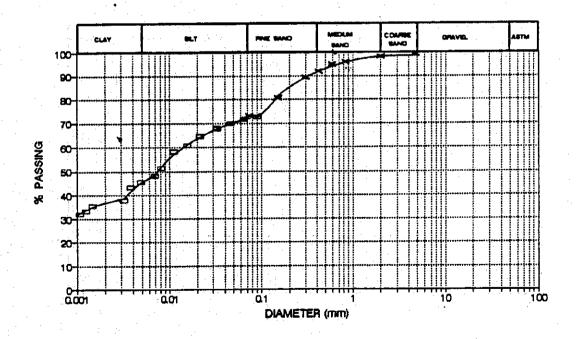
GRAIN SIZE ANALYSIS

Project:	Subsidence in Bangi	ok Vicinity	Location:	MINBURI		·
Borehole No.:			Sample No.:		Test No.:	AH-77
Soil Description	1;		Tested By:		Date:	11-3-1993

SIEVE ANALYSIS

SIEVEA	NALYSIS
	Percent
Opening	Finer
(mm)	(%)
4.76	99.40
200	98.50
0.84	96,00
0.59	95.10
0.42	92.10
0.30	89.50
0.15	81.00
0.07	73.10
	1
Terms of	
1 1 1	
1 1 4 1	
1 But 1	

Particle	Percent
Size	Finer
(mm)	(%)
0.0903	72.81
0.0644	71.67
0.0461	70.07
0.0331	67.78
0,0330	68.24
0.0214	64.57
0.01 55	60.91
0,0111	58.39
0.0062	51.52
0,0068	48.09
0.0049	45.80
0.0037	43.51
0.0032	37.78
0.001 5	35.49
0.0012	33.20
0.001 1	32.06



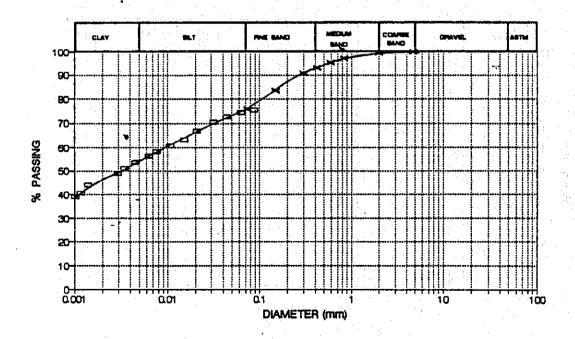
GRAIN SIZE ANALYSIS

Project:	Subst	dence in Bangk	tok Vicinity	Location:	MINBURI	<u>jird Palot</u>	
Borehole No.:	Α	Depth (m)	433.25-433.40	Sample No.:		_ Test No.:	AH-78
Soil Description	1:			Tested By:		_ Date:	5-4-1993

SIEVE ANALYSIS

SIEVE	INALY 515
Opening (mm)	Percent Finer (%)
4.76	100.00
200	99.60
0.84	97.10
0.69	95.40
0.42	93.00
0,30	90.80
0,15	83.80
0.07	76.00
100	

Particle	Percent
Size	Finer
(mm)	(%)
0.0874	
0,062	3 74.41
0.044	72.75
0.032	70.39
0.031	70.86
0.020	7 67.08
0,01 5	63,31
0.010	7 60.71
0.007	7 58.34
0.006	4 56.46
0.004	6 53.62
0.003	5 51.26
0,003	0 48.90
0.001	4 44.19
0,001	2 40.63
0.001	38.98



GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity Location: MINBURI

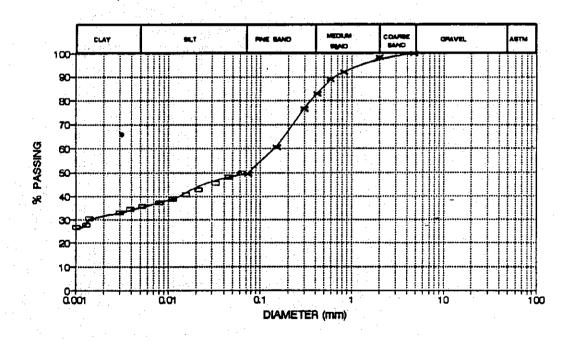
Borehole No.: A Depth (m) 444.0-445.0 Sample No.: Test No.: AH-79

Soil Description: Tested By: Date: 11-3-1993

SIEVE ANALYSIS

SIEVE ANALYSIS		
	Percent	
Opening	Finer	
(mm)	(%)	
4.76	100.00	
2.00	98.40	
0.84	92.20	
0.59	89.10	
0.42	82.90	
0.30	76.60	
0.15	60.50	
0.07	49.50	
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
4		

··· Particle ···	Percent
Size	Finer
(mm)	(%)
0.0629	49.91
0.0454	48.08
0.0329	45.79
0.0329	45.79
0.0214	43.04
0.01 54	40.75
0,0111	38,92
0.0080	37.39
0.0052	35.71
0.0039	34,34
0.0030	32.97
0.0014	30.52
0.0013	27.47
0.0010	26.56
0.0010	26.71



GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity	Location: MINBURI	
Borehole No.: A Depth (m) 456.0-456.8	Sample No.:	Test No.: AH-80
Soil Description:	Tested By:	Date: <u>17-3-1993</u>

SIEVE ANALYSIS

440000000000000000000000000000000000000	Percent
Operating:	Finer
(mm)	(%)
4.76	100.00
2.00	99.90
0.84	98,20
0.59	97.10
0.42	95.10
0.30	93.00
0.15	87.00
0.07	19,30
	to the second second

HYDROMETER ANALYSIS Particle Percent Finer Size (%) (मामा) 0.0639 19.00 0.0461 18.22 17.25 0.0334 17.37 0.0333 0.0217 16.23 0.0156 15.44 0.0113 14.42 13,45 0.0082 12.37 0.0056 0.0039 11.58 10.74 0.0031 0.0015 8.63

0.0014

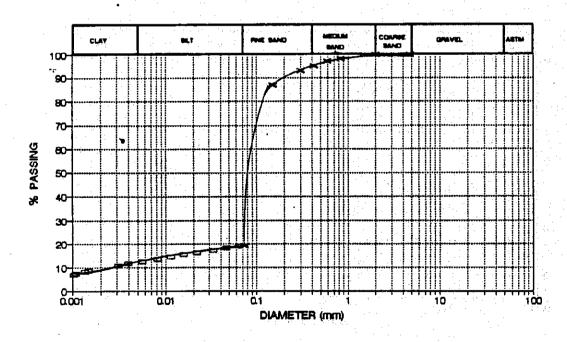
0.0011

0.0010

8.14

7.42

6,94



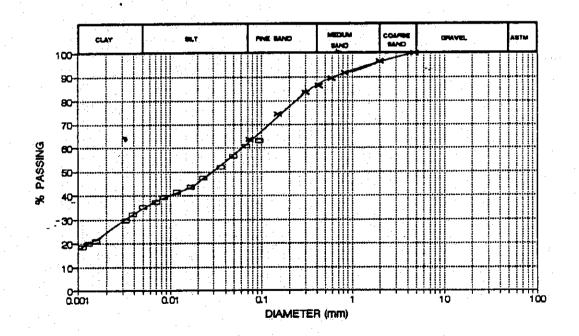
GRAIN SIZE ANALYSIS

Project:	Subsidence in Bangko	ok Vicinity	Location:	MINBURI		
Borehole No.:	A Depth (m)	468.7-468.8	Sample No.:		Test No.:	AH-81
Soil Description	n:	-	Tested By:		Date:	5-4-1993

SIFVE ANALYSIS

SIEVE	NALYSIS
	Percent
Opening	Finer
(mm)	(%)
4.76	100.00
2.00	96.70
0.84	91.90
0.59	89.50
0.42	86.50
0.30	83.60
0.15	74.40
0.07	63,50
	A Ja
	9.8

HYDROMETER ANALYSIS Particle: Percent Size Finer (%) (inini): 0.0939 63.14 0,0673 60.90 0.0490 56.43 0.0355 51.95 0.0388 51.95 47.47 0.0230 43.66 0.0166 41.65 0.0119 39,41 0.0085 0.0070 37.39 35.15 0.0050 32.24 0.0038 29.56 0.0033 21.06 0.0016 0.0013 19.93 18.58 0,0011

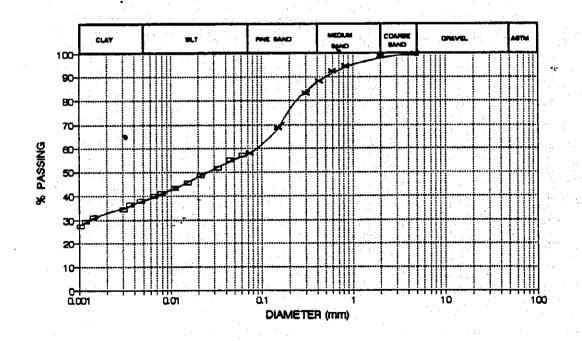


GRAIN SIZE ANALYSIS

Project:	Subsidence	in Bangko	k Vicinity	Location:	MINBURI	akir rela		
Borehole No.:	A Depl	tı (m)	475.4-476.47	Sample No.:	14岁年3年	Te	st No.:	AH-82
Soil Description	1:			Tested By:		Dai	ie:	5-4-1993

SIEVE ANALYSIS						
	Percent					
Opening	Finer					
(mm)	(%)					
4.76	100.00					
200	98,90					
0.84	94,70					
	92.50					
0.59						
0.42	88.20					
0.30	83.30					
0.15	68.90					
0.07	58.00					
100						
and the first						

Particle Size (mm)	Percent Finer (%)
0.0620	67.45
0.0448	55.16
0.0327	51.65
0.0326	51.82
0.0212	48.66
0.01 54	45.50
0.0111	43.39
0.0079	41.28
0.0065	40.23
0.0047	38.12
0.0036	36.36
0.0030	34.61
0.0014	31.28
0.0012	29.34
0.0010	27.41



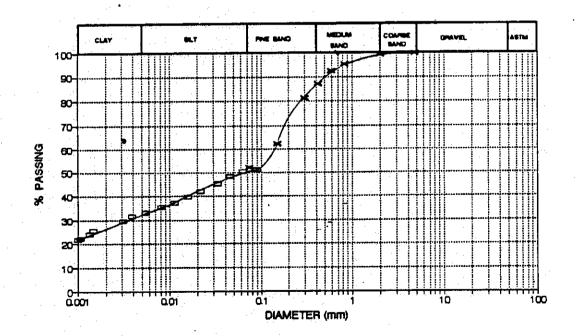
GRAIN SIZE ANALYSIS

Project:	Subsidence in B	angkok Vicinity	Location:	MINBURI		
Borehole No.;			Sample No.:		Test No.:	AH-83
Soil Description	i: 8		Tested By:		Date:	17-3-1993

SIEVE ANALYSIS

SIEVE	ANT I SIS
	Percent
Opening	Finer
(mm)	(%)
4.76	100.00
200	99.60
0.84	95.40
0.59	92.50
0.42	87,30
0.30	81.60
0.15	62.50
0.07	52.20
<u> </u>	

Particle	Percent
Size	Finer
(mm)	(%)
0.0882	51,34
0.0630	50.41
0,0456	48.24
0.0333	45.15
0.0333	45.31
0.0217	42.21
0.01 57	39.74
0,0113	37.42
0.0081	35.56
0.0055	33.24
0.0039	31.69
0,0031	29.68
0.0015	25.51
0.0013	24.28
0.0011	22.42
0.0010	21.80



GRAIN SIZE ANALYSIS

Project: Su	ibsidence in Bang	kok Vicinity	Location:	MINBURI		
Borehole No.: A	Depth (m)	492.2-492.8	Sample No.:		Test No.:	AH-84
Soil Description:	To Market		Tested By:		Date:	17-3-1993

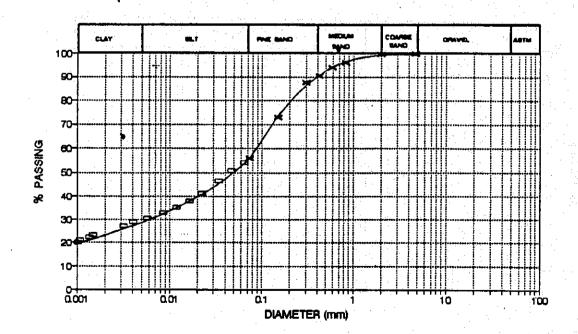
SIEVE ANALYSIS

Operating	Percent Firer
(17177)	(%)
4,76	100,00
2.00 0.84	99.80 96.20
0.59	94.10
0.42	90,70
0.30	87.60
0.15	73.00
0.07	55.90

HYDROMETER ANALYSIS Particle Percent Size Finer (mm) (%) 0.0641 54.34 0.0467 51.13 0.0342 46,68 0.0342 46.68 41.33 0.0225 0.0163 37,95 0.0118 35.27 0.0084 32.96 0.0057 30.29 0.0040 29.03 0.0032 27.25 0.0015 23.52 0.0014 22,45 0.0011 21.02

0.0010

20.13



GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity Location: MINBURI

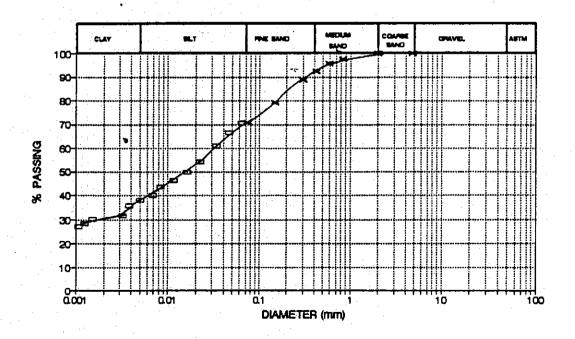
Borehole No.: A Depth (m) 500.75-500.85 Sample No.: Test No.: AH-85

Soil Description: Tested By: Date: 5-4-1993

SIEVE ANALYSIS

SIEVE A	MALYSIS
	Percent
Opening	Finer
(mm)	(%)
4.76	100.00
200	99.90
0.84	97.70
0.59	95.60
0.42	92.40
0.30	89.00
0.15	79.30
0.07	71.00

COURSE WATER CO.	
Particle	Percent
Size	Fl∩er
(mm)	(%)
0.0634	70.87
0.0461	66.78
0.0338	61.10
0.0338	61.10
0.0223	54.29
0.0161	49.97
0.0116	46.56
0.0083	43.61
0.0069	40.20
0.0050	38.16
0.0038	35.89
0.0032	31.57
0.001.5	30.22
0.0012	28.39
0.0011	27.26



ASIAN INSTITUTE OF TECHNOLOGY

GEOTECHNICAL AND TRANSPORTATION ENGINEERING DIVISION

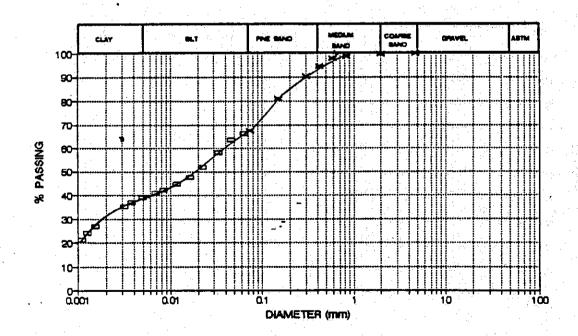
GRAIN SIZE ANALYSIS

Project:	Subside	ence in Bang	kok Vicinity	L	ocation:	MINBURI	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	10000	
Borehole No.:	Α	Depth (m)	504.6-504.7	<u> </u>	Sample No.:		Test	No.:	AH-86
Soil Description	<u> </u>	3 10 10 1			ested By:		Date	:	5-4-1993

CHEVE ANALYSIS

Percent
Fires
(%)
100.00
99.70
98.70
97.80
94.70
90.50
81.10
67.80
†

HYDROMETER ANALYSIS Percent Particle: Finer Size (mm) (%) 0.0638 66,60 0.0460 63,81 0.0338 58.22 0.0338 58,44 51.99 0.0223 47.69 0.0161 44.90 0.0116 0.0083 4232 0.0068 41.03 0.0049 39.10 0.0037 36.95 35.23 0.0032 0.0015 26,86 0.0013 24.28 0.0011 21.48

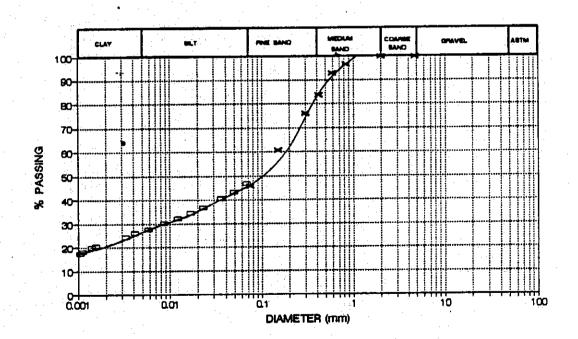


GRAIN SIZE ANALYSIS

Project:	Subsk	dence in Bangki	ok Vicinity	Location:	MINBURI	4 14 1	
Borehole No.:	A	Depth (m)	508,5-509.0	Sample No.:		Test No.:	AH-87
Soil Description	1:			Tested By:		Date:	17-3-1993

SIEVE ANALYSIS Rercent Opening Finer. (%) (mm) 100.00 4.76 99.90 200 96,80 0,84 92.90 0.59 83.50 0.42 0.30 75.90 0.15 60.70 46,00 0.07

HYDROMETER ANALYSIS Percent Particle Finer Size (%) (mm) 0.0672 46.90 0.0492 43,24 0.0356 40.54 40.70 0.0232 36.88 0.0167 34.66 0.0121 3212 0.0087 30.21 0.0059 27,82 26,07 0.0042 24.32 0.0033 0.001 5 20.67 19.87 0.0014 0.0011 18,28 0.0011 17.49



ASIAN INSTITUTE OF TECHNOLOGY

GEOTECHNICAL AND TRANSPORTATION ENGINEERING DIVISION

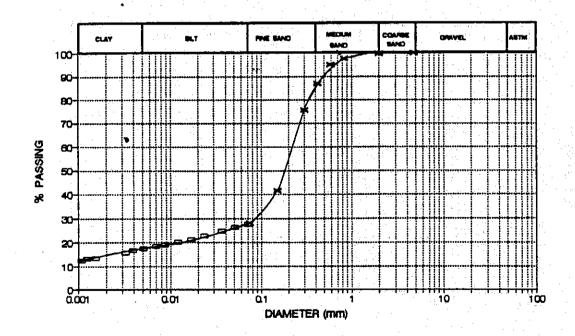
GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity Location: MINBURI
Borehole No.: A Depth (m) 509.65-509.72 Sample No.: Test No.: AH-88
Soil Description: Tested By: Date: 5-4-1 993

SIEVE ANALYSIS

SIEVE	WALYSIS
Operano	Percent Finet
(mm)	(%)
4.76	100.00
200	99.70
0.84	97.60
0.59	95.10
0.42	87.30
0.30	75.80
0.15	41.60
0,07	28.10
	40000

HYDROMET	ER ANALYSIS
Particle	Percent
Size	Finer
(27(77))	(%)
0.0706	27.55
0.0506	26.38
0.0363	24.85
0.0363	24.97
0.0236	22.74
0.0168	21,45
0.01 20	20.28
0.0066	18.99
0.0070	18.64
0.0050	17.47
0,0038	16.76
0.0032	1 5.83
0.001 5	13.37
0.0013	13.13
0.0011	1231



ASIAN INSTITUTE OF TECHNOLOGY

GEOTECHNICAL AND TRANSPORTATION ENGINEERING DIVISION

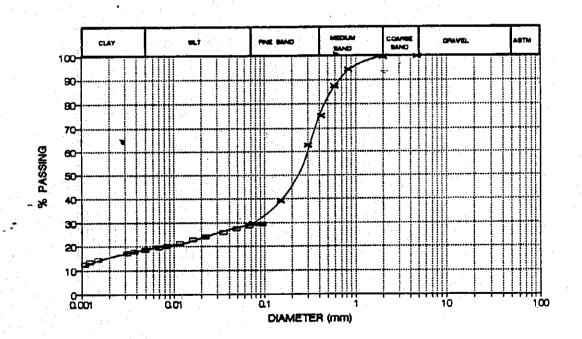
GRAIN SIZE ANALYSIS

Prolect:	Subsidence in Bang	kok Vicinity	Location:	MINBURI	:	
Borehole No.:		51 4.9-51 5.0	Sample No.:		Test No.:	AH-89
Soil Description	1:		Tested By:		Date:	5-4-1993

SIEVE ANALYSIS

SIEVE	UVAL TOIO
	Percent
Opening	Finer
(17197)	(%)
4.76	100.00
2.00	99.80
0.84	94,30
0.59	87.40
0.42	75.20
0.30	62.80
0.15	39.50
0.07	29.80
	4
1 14	

Particle	Percent
Size	Finer
(mm)	(%)
0.0939	29.47
0.0670	28.74
0.0483	27.38
0.0348	25,81
0.0348	25.81
0.0225	24.25
0,01 62	22.68
0.0116	21.32
0.0083	20.07
0.0069	19.54
0.0049	18.50
0.0037	17.66
0.0032	16.93
0.001 5	14.32
0.0012	13.38
0.0011	12.54



GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity Location; MINBURI

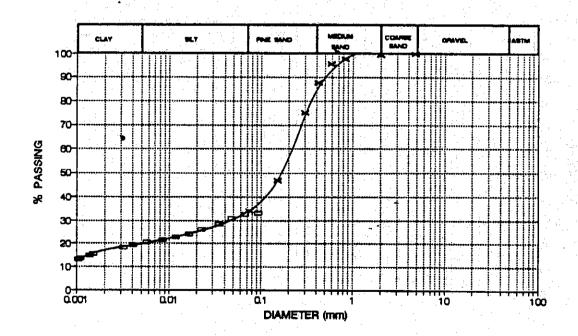
Borehole No.: A Depth (m) 525.0-526.0 Sample No.: Test No.: AH-90

Soil Description: Tested By: Date: 17-3-1993

SENTE ANAI VOIS

<u> 4171. – </u>	SIEVE A	WALYSIS
		Percent
	perang	Finer
	(111(11))	(%)
	4.76	99.90
715	200	99.60
	0.84	97.70
	0.59	95.60
	0.42	87,60
- i,	0.30	75.30
	0.16	47.10
100	0.07	34.30
j .	2.45	

HYDROMETER ANALYSIS Percent Size Forer (%) (11111) 0.0924 33,30 0.0659 32.76 0.0477 31.15 0.0350 28.47 0.0350 26.57 0.0228 26.21 0.0165 24.17 0.0119 22.77 0.0065 21.70 0,0058 20.41 0.0041 19.44 0.0032 18.26 0.0015 15.58 0.0014 14.82 0.0011 13.43 0.0010 1289



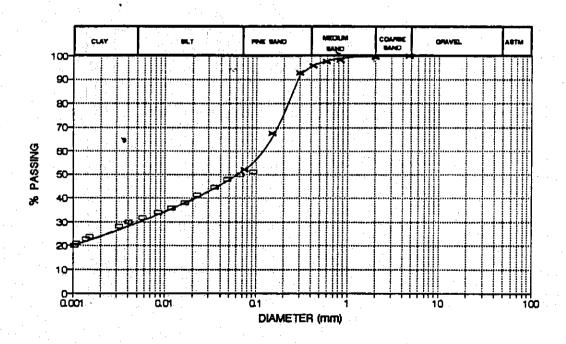
GRAIN SIZE ANALYSIS

Project: Subsidence in Bangkok Vicinity Location: MINBURI Borehole No.: A Depth (m) 530.3-530.8 Sample No.: Test No.: AH-91 Soil Description: Tested By: Date: 17-3-1993

SIEVE ANALYSIS

Percent Operang Farer (MITT) (%) 4.76 99.90 2.00 99.60 0.84 98.30 0.59 97.60 0.42 95.80 0.30 92.80	
(mm) (%) 4.76 99.90 2.00 99.60 0.84 96.30 0.59 97.60 0.42 95.80 0.30 92.80	
4,76 99,90 2,00 99,60 0,84 98,30 0,59 97,60 0,42 95,80 0,30 92,80	
2.00 99.60 0.84 98.30 0.59 97.60 0.42 95.80 0.30 92.80	
0.84 98.30 0.59 97.60 0.42 95.80 0.30 92.80	
0.59 97.60 0.42 95.80 0.30 92.80	· ·
0.42 95.80 0.30 92.80	· ·
0.30 92.80	
I to a structure of the company of	
0.1 5 67.70	
0.07 52.20	7

COMBANIAN CO	A Derego No.
Particle	Percent
Size	Finer
(mm)	(%)
0.0923	51.34
0.0661	50.00
0.0476	47.98
0.0347	44.61
0.0347	44.61
0.0226	41.24
0.01 64	38.04
0.0118	35.69
0.0064	34.00
0.0067	31.65
0.0040	29.96
0.0032	28.28
0.001 5	23.90
0.0014	22.73
0.0011	21.04
0.0010	20.03

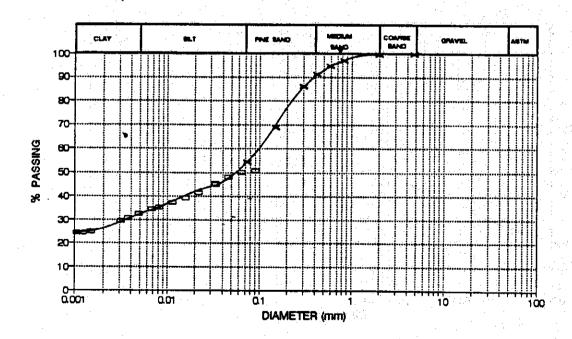


GRAIN SIZE ANALYSIS

Project:	Subsid	dence in Bang	kok Vicinity	Location:	MINBURI		
Borehole No.:	Α	Depth (m)	531.75-531.85	Sample No.:		Test No.:	AH-92
Soil Description	l:			Tested By:		Date:	5-9-1993

SIEVE ANALYSIS Percent Operang Finer (mm) (%) 4.76 100.00 200 99.70 0.84 97.20 0.59 94.90 0.42 91.30 0.30 86.30 0.15 69.20 0.07 54.70

HYDROMET	TER ANALYSIS
Particle	Percent
Size	Fører
(mm)	(%)
0.0893	51.01
0.0637	50.23
0.0460	48.20
0.0335	45.24
0.0334	45,55
0.0219	41.65
0.01 58	39.31
0.0114	37.28
0.0082	35.41
0.0067	34,63
0.0048	32.29
0.0037	30.73
0.0031	29.33
0.001 5	24.97
0.0012	24.33
0.0011	24.34



ATTERBERG LIMITS TEST

Project:	Subsidence in Bang	kok Vicinity	Location:		<u> </u>		
Borehole No.:	A-1/3 Depth (m	Sample No.:	UD-1A	Test No.:	A-5		
Soil Description:			Tested By:	WY	Date:	17-1-1993	
		a k Wanjada a ugul	NATURAL WA	TER CONTENT	PLAST	IC LIMIT	
Container No.	er des Autori			-	15	73	
Weight of Contai	ner	g		."	3.26	3.17	
Weight of Wet So	oil + Container	g			9.55	9.38	
Weight of Dry So	il + Container	g			7.53	7.38	
Weight of Water		g			2.02	2.00	
Weight of Dry So		g			4.27	4.21	
Water Content		%			47.3	47.5	
Average Water C	ontent	%			47,4		
LIQUID LIMIT							
Number of Blows	3	15	20	25	33		
Container No.		2	37	6	12		

	"1:7:1:2:1:2:1:2:2:1:2:1:2:2:1:2:2:1:2:2:1:2:2:1:2:2:1:2:2:1:2:2:1:2:2:1:2:2:1:2:2:1:2:2:1:2:2:1:2:2:1:2:2:1:2		· · · · · · · · · · · · · · · · · · ·		
Number of Blows	15	20	25	33	
Container No.	2	37	6	12	
Weight of Container	5.46	5,25	5.43	5.45	
Weight of Wet Soil + Container g	22.66	22.95	21.76	21.46	
Weight of Dry Soil + Container g	13.61	13.72	13.33	13.28	
Weight of Water g	9,05	9.23	8.43	8.18	
Weight of Dry Soil g	8.15	8.47	7.90	7.83	-
Water Content %	111.0	109.0	106.7	104.5	
			and the last of th		

Nat. Water Content	=		%											
Liquid Limit, LL	=	106	8 %			1167						П		
Plastic Limit, PL	=	47	4 %											
Plasticity Index, Pl		59	.4 %		· ·	112		·····			 	17		
Liquidity Index, LI	=				tent (%)	. 1		R						
Remarks:					Vater Con	108	**************************************	7						
					>	104				<u> </u>		+	-	
				1,,1,		100)		_	<u> </u>		1 1	100	,
		Asi Tan			.:		•	Nu	mber of l	Blows				•

ATTERBERG LIMITS TEST

Project: Subsidence in Bangkok	Vicinity	Location:		· 自由	
Borehole No.: A-1/3 Depth (m) 4.0	00-5.00	Sample No.:	UD-2A	Test No.:	A-6
Soil Description:		Tested By:	WY	Date:	17-1-1993
The Markey was in the Copyria	Allegerich <mark>I</mark>	NATURAL WA	TER CONTENT	PLAST	IC LIMIT
Container No.				209	4
Weight of Container g			Table 1	3.19	3.35
Weight of Wet Soil + Container g				10.32	10.70
Weight of Dry Soil + Container g				8.00	8.29
Weight of Water g				2.32	2.41
Weight of Dry Soil g				4.81	4.94
Water Content %				48.2	48.8
Average Water Content %				48.5	
LIQUID LIMIT Number of Blows	***** 17 **		lesesses and a second		
Container No.		21	27	34	
Weight of Container g	5.50	5.48	90 5,43	<u>2</u> 5.41	
Weight of Wet Soil + Container g	20.32	21,35	20.12	20.80	
Weight of Dry Soil + Container g	12.64	13.15	12.58	12.94	
Weight of Water g	7.68	8.20	7.54	7.86	
Weight of Dry Soil g	7.14	7.67	7.15	7.53	
Water Content %	107.6	106.9	105.5	104.4	
Nat. Water Content = %			and the second		· 医电流压剂 静

ATTERBERG LIMITS TEST

Project:	Subsidence in Bangkok Vicinity	Location:	<u> </u>		
Borehole No.:	A-1/3 Depth (m) 6.00-7.00	Sample No.:	UD-3A	Test No.:	A-7
Soil Description:		Tested By:	WY	Date:	16-1-1993

	NATURAL WATER CONTENT	PLASTIC LIMIT			
Container No.		77 80			
Weight of Container g		3.20 3,17			
Weight of Wet Soil + Container g		9.63 9.21			
Weight of Dry Soil + Container g		7.15 7.21			
Weight of Water g		2.48 2.00			
Weight of Dry Soil g		3.95 4.04			
Water Content %		62.8 49.5			
Average Water Content %		56.1			

LIQUID LIMIT

Number of Blows	47	36	29	19	
Container No.	62	6	71	66	
Weight of Container g	5,09	5.43	5.43	5.43	
Weight of Wet Soil + Container g	22.55	18.42	20.70	20.74	
Weight of Dry Soil + Container g	13.27	11.48	12.46	12.42	
Weight of Water g	9.28	6.94	8.24	8.32	
Weight of Dry Soil g	8.18	6.05	7.03	6.99	
Water Content %	113.4	114.7	117.2	119.0	

			112	Number of Blows	100
Remarks:		Water S.	116		
Liquidity Index, LI =	•	nteut (%)	2		
Plasticity Index, PI =	Control of the contro		120		
Pleatic Limit, PL =	000000000000000000000000000000000000000	- 1 2 3			
Liquid Limit, LL =	117.5 %		124		
Nat. Water Content =	= 1000000000000000000000000000000000000				

ATTERBERG LIMITS TEST

Subsidence in Bangkok Vicinity Location:

Project:

Borehole No.: A-1/3 Depth (m) s	.00-9.00	Sample No.:	UD-4A	Test No.:	A-8
Soil Description:		Tested By:		Date:	16-1-1993
		NÁTURAL WA	TER CONTENT	PLAST	TIC LIMIT
Container No.					30
Weight of Container g			* * * * * * * * * * * * * * * * * * * *	3.13	3.18
Weight of Wet Soil + Container g				11.00	10.91
Weight of Dry Soil + Container g				8.73	8.68
Weight of Water g				2.27	2.23
Weight of Dry Soil g				5.60	5,50
Water Content 9				40.5	40.5
Average Water Content %	•			40.5	
LIQUID LIMIT					
Number of Blows	20	26	38	46	
Container No	A	24	00		

Number of Blows	20	26	38	46	
Container No.	4	34	90	2	
Weight of Container g	5.45	5.43	5.40	5.38	
Weight of Wet Soil + Container g	18.21	18.90	21.72	19.18	
Weight of Dry Soil + Container g	12.16	12.57	14.16	12.86	
Weight of Water g	6.05	6.33	7.56	6.32	
Weight of Dry Soil g	6.71	7.14	8.76	7.48	
Water Content %	90.2	88.7	86.3	84.5	

Nat. Water Content	=	4444	9	6		T								1	3 37	an telah Tana kecil
Liquid Limit, LL	=	80	3.8 9			1	96	Γ		Γ	Ī	i	Π	T	П	
Plastic Limit, PL	=) 5 %			1									9	
Plasticity Index, Pl	=		3.3 %			ء ا										
Liquidity Index, LI	=					(S)	92				1	!	1			
Remarks:						Water Con	88			A						
					·	³										
			-]					7	\				
		e e e e e e e e e e e e e e e e e e e					84 1	0		Numbe	of Bio	***		- • - 	10	Ю
													4 2			

ATTERBERG LIMITS TEST

Project:	Subsidence in Bungi	kok Vicinity	Location:			
Borehole No.:	A-1/3 Depth (m)	10.00-11.00	Sample No.:	UD-5A	Test No.:	A-9
Soil Description:			Tested By:	WY	Dute:	17-1-1993
			NATURAL WA	TER CONTENT	PLAST	TIC LIMIT
Container No.			12		3	23
Weight of Contai	iner	g	<u> </u>		3.77	3.75
Weight of Wet So	oil + Container	g		100	12.10	12.21
Weight of Dry Sc	oil + Container	g		-	10.06	10.15
Weight of Water		g			2,04	2.06
Weight of Dry Sc	ااد	g			6.29	6.40
Water Content	A Commence of the Commence of	%	Î		32.4	32.2
Average Water C	ontent	%			32,3	
LIQUID LIMIT						
Number of Blows	8	15	21	28	35	
Container No.		41	2	4	59	
Weight of Contai	iner g	5.45	4.64	4,68	5.46	
141-1-1 4 141-4 C-	11: 1 0 1 - 1 2	04.04		04.00	04.40	

		A CONTRACTOR OF THE CONTRACTOR			
Weight of Container g	5.45	4.64	4.68	5.46	
Weight of Wet Soil + Container g	24.04	24.85	24.03	24.46	
Weight of Dry Soil + Container g	16.09	16.32	15.94	16.58	
Weight of Water g	7.95	8.53	8.09	7.88	
Weight of Dry Soil g	10.64	11.68	11.26	11.12	
Water Content %	74.7	73.0	71.8	70.9	
Nat. Water Content =	%		er er		

Nat. Water Content	=		· %				1 10 1	**					
Liquid Limit, LL	==	72.3	%			77	<u> </u>]
Plastic Limit, PL	=	32.3	%			- 1							1.5
Plasticity Index, Pl	=	40.0	%		% #	75		<u> </u>				TT	1
Liquidity Index, LI	=			\$ **	i i	1							
Remarks:					Water Con	73							
				<u> </u>		71	******************************	<u> </u>					
						69 10		Numb	er of Bloo	MS	++	16	00

ATTERBERG LIMITS TEST

Project:	Subsidence in Bangkok Vicinity Location:
Borehole No.:	A-1/3 Depth (m) 12.00-13.00 Sample No.; UD-6A Test No.; A-10
Soil Description:	Tested By: WY Date: 17-1-1993

	<u> </u>	NATURAL WAT	ER CONTENT	PLAST	IC LIMIT
Container No.	2 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4			1	80
Weight of Container g				3.31	3.17
Weight of Wet Soil + Container g		40,70		10.27	10.63
Weight of Dry Soil + Container g				8.72	8.94
Weight of Water g				1.55	1.69
Weight of Dry Soil g				5.41	5.77
Water Content %				28.7	29.3
Average Water Content %				29.0	

LIQUID LIMIT

LIQUID LIMIT					
Number of Blows	15	29	38	49	
Container No.	2	131	5	4	
Weight of Container g	5.42	4.65	5.43	4.67	
Weight of Wet Soil + Container g	25.77	21.56	22.60	22.28	
Weight of Dry Soil + Container g	15.70	13.50	14.58	14.17	
Weight of Water g	10.07	8.06	8.02	8.11	
Weight of Dry Soil g	10.28	8.85	9.15	9.50	
Water Content %	98.0	91.1	87.7	85.4	

Liquidity Index, Li	=	53.5		ontent (%)	96						
Remarks:		 · · ·	 	Water	92	-	•				
	· · · · · ·	 		1	88		********	.			-

ATTERBERG LIMITS TEST

Project:	Subsidence in Bangi	kok Vicinity	Location:		<u> </u>	
Borehole No.:	A-1/3 Depth (m)	14.00-15.00	Sample No.:	UD-7A	Test No.:	A-11
Soil Description:			Tested By:	WY	Date:	17-1-1993
			NATURAL WA	TER CONTENT	PLAST	IC LIMIT
Container No.					1	38
Weight of Contai	 	9			3.79	3.61
Weight of Wet So		9			10.04	9.72
Weight of Dry So		9			8.44	8.14
Weight of Water	· · · · · · · · · · · · · · · · · · ·	g			1.60	1.58
Weight of Dry So		g			4.65	4.53
Water Content		%			34.4	34.9
Average Water C	ontent	%			34.6	
LIQUID LIMIT						
Number of Blows	5	15	21	28	34	
Container No.		62	57	32	66	
Weight of Contai			5.44	5.44	5.45	
Weight of Wet So	oil + Container g	23.73	23.83	23.27	23.35	
Weight of Dry Sc	oil + Container g	15.13	15.29	15.10	15.31	
Weight of Water		8.60	8.54	8.17	8.04	4 .
Weight of Dry So		·	9.85	9.66	9.86	
Water Content	%	89.5	86,7	84.6	81.5	
			Tage 1			
Nat. Water Content	= :::::::::::::::::::::::::::::::::::::	%	94			
Liquid Limit, LL	= 85.0	%				
Plastic Limit, PL	= 34.6	 				
Plasticity Index, Pl	= 50.3	%	<u>8</u> 8	3		
Liquidity Index, LI	=		Ĭ			
			Water Content (%)		.hhtt	
Remarks:			Na te			
] 7 82			
\$ 200						
			78 10	1		

ATTERBERG LIMITS TEST

Project:	Subsidence in Bangkok Vicinity	Location:	riki itan kecabaran Hebara dalam i	
Borehole No.:	A-1/3 Depth (m) 16.00-17.00	Sample No.:	UD-8A Test No.:	A-12
Soil Description:		Tested By:	WY Date:	17-1-1993

11、15、1基础的建筑。13、1等等文件。	NATURAL WAT	ER CONTENT	PLAST	IC LIMIT
Container No.			1	7
Weight of Container g			3.32	3.18
Weight of Wet Soil + Container g	A STATE OF THE STA		9.61	9.64
Weight of Dry Soil + Container g	4 1 2		8.22	8.55
Weight of Water g			1.39	1.09
Weight of Dry Soil g			4.90	5.37
Water Content %	f the		28.4	20.3
Average Water Content %			24.3	

LIQUID LIMIT

LIQUID LIMIT					
Number of Blows	48	40	30	16	
Container No.	2	41	32	66	
Weight of Container g	4.62	5.45	5.46	5.45	
Weight of Wet Soil + Container g	22.85	25,41	23.07	22.00	
Weight of Dry Soil + Container g	15.79	17.59	16.07	15.20	
Weight of Water g	7.06	7.82	7.00	6.80	10.47 \$4.47 \$4.4. <u>1.77</u> \$
Weight of Dry Soil g	11.17	12.14	10.61	9.75	18 (43° 2,414,15)
Water Content %	63.2	64.4	66.0	69.7	

	-							Numb	er of Blo	ywe				
		* * * * * * * * * * * * * * * * * * *		6.		69)	 		-	-	-	10) XO
		· · · · · · · · · · · · · · · · · · ·	:											 1 34
]	65		-						
Remarks:		·			Water	67	***************************************							
				1::	8	-								
Liquidity Index, LI	=				ntent (9	69-		J	ļ	ļ				
Pleaticity Index, Pl	=	42.8			8	<u> </u>								
Plastic Limit, PL	=	24.3		:	1	71								
Liquid Limit, LL	=	67.1	%	٠.		73					T		П	1
Nat. Water Content	_ =		%							1. 1.			Jar.	Į te.

ATTERBERG LIMITS TEST

Project:	Subsidence in Bang	kok Vicinity	Location:		100	
Borehole No.:	A-1/1 Depth (m)	102.00-102.60	Sample No.:	UD-C-1A	Test No.:	A-4
Soil Description:			Tested By:	WY	Date:	5-2-1993
			NATURAL WA	TER CONTENT	PLAS	FIC LIMIT
Container No.				·	32	86
Weight of Contai	iner	g			3.29	3.16
Weight of Wet So	oil + Container	g			11.55	11.32
Weight of Dry Sc	oil + Container	g			10.32	10.10
Weight of Water		g			1.23	1.22
Weight of Dry Sc	oil and the state of the state	G)			7.03	6.94
Water Content		%			17.5	17.6
Average Water C	ontent	%			17.5	
						, <u> </u>

LIQUID LIMIT

Number of Blows	16	21	27	35	
Container No.	66	2	6	4	
Weight of Container g	5.42	5.37	5.46	4.66	
Weight of Wet Soil + Container g	21.88	21.36	21.76	21.65	
Weight of Dry Soil + Container g	16.60	16.35	16.75	16.57	
Weight of Water g	5.28	5.01	5.01	5.08	
Weight of Dry Soil g	11.18	10.98	11.29	11.91	
Water Content %	47.2	45.6	44.4	42.7	

Nat. Water Content = 44.0 %							
Liquid Limit, LL = 44.7 %	50	7					
Pleastic Limit, PL = 17.5 %	48						
Plasticity Index, PI = 27.1 %							
Liquidity Index, LI = 0.98]) 46	-					
Remarks:	Mater Con						
	42						
	1						
	10 Number of Blows						

ATTERBERG LIMITS TEST

Project: Subsidence in Bangko	k Vicinity	Location:	医医乳腺激素的	a sa kitaba k			
Borehole No.: A-1/1 Depth (m) 1	18.00-119.00	Sample No.:	UD-C-2A	Test No.:	A-3		
Soil Description:		Tested By:	WY	Date:	5-2-1983 FIC LIMIT		
		NATURAL WAT	TER CONTENT	PLAS1			
Container No.				1	64		
Weight of Container g				3.31	3.19		
Weight of Wet Soil + Container g				9.58	10.91		
Weight of Dry Soil + Container g				8.59	9.68		
Weight of Water g				0.99	1.23		
Weight of Dry Soil g				5.28	6.49		
Water Content %				18.8	19.0		
Average Water Content %				18,9			
LIQUID LIMIT							
Number of Blows	15	23	28	35			
Container No.	37	71	15	40			
Weight of Container g	5.27	5.58	5.44	5,53			
Weight of Wet Soil + Container g	20.26	20.99	20.81	20.23			
Weight of Dry Soil + Container g	15.06	15.92	15.71	15.49			
Weight of Water g	5.20	5.07	5.10	4.74			
Weight of Dry Soil g	9.79	10.34	10.27	9.96			
Water Content %	53.1	49.0	49.7	47.6			

					10		Numbe	of Blo	THE			10	16
	· .				45								
] *	47-			1					
Remarks:			•	Water Cor	49	***************************************						i.	
Liquidity Index, LI	=			ntent (%)	51-		ļ						
Plasticity Index, Pl	=	30.8		1 ଛ	53	<u></u>	ļ				-		
Plastic Limit, PL	=	18.9		 1	55 -		<u> </u>						
Liquid Limit, LL	=	49,6	%	 1			T				7]
Nat. Water Content	=		%							1 .			