### List of Figures for Chapter 2

Fig.2.1-1	Topographic Survey Area
Fig.2.2-1	Location of Project Site
Fig.2.2-2	Location Map of Borehole and Ground Resistivity Test
Fig.2.2-3	Arrangement of UD-Sampling Equipment
Fig.2.2-4	Arrangement of UD-Piston Sampling Equipment
Fig.2.2-5	Standard Penetration Test
Fig.2.2-6	Schematic Drawing of Field Permeability Test (Constant Head)
Fig.2.2-7	Schematic Drawing of Observation Well
Fig.2.2-8	Cross Section of Observation Well
Fig.2.2-9	Wenner Arrangement
Fig.2.2-10 (1)	Boring Log
Fig.2.2-10 (2)	Boring Log
Fig.2.2-10 (3)	Boring Log
Fig.2.2-10 (4)	Boring Log
Fig.2.2-10 (5)	Boring Log
Fig.2.2-10 (6)	Boring Log
Fig.2.2-10 (7)	Boring Log
Fig.2.2-10 (8)	Boring Log
Fig.2.2-10 (9)	Boring Log
Fig.2.2-10 (10)	Boring Log
Fig.2.2-11	Location of Geological Cross Section
Fig.2.2-12 (1)	Geological Profile
Fig.2.2-12 (2)	Geological Profile
Fig.2.2-12 (3)	Geological Profile
Fig.2.2-12 (4)	Geological Profile
Fig.2.2-12 (5)	Geological Profile
Fig.2.2-12 (6)	Geological Profile
Fig.2.3-1	Location of Hun Sen Spillway Dam
Fig.2.3-2	Daily Water Level at Hun Sen Weir during 16 September 2000 – 28 February 2001

Fig.2.3-3	Daily Water Level at Prey Treng Pond during 16 September 2000 – 28 February 2001
Fig.2.3-4	Linear Regression of Qmeasure VS. CONST*SUM (DEL_L*DEL_H^1.5)
Fig.2.3-5	Linear Regression of Qmeasure VS. Qcalculate (ANOTHER FORMULAE)
Fig.2.3-6	Linear Regression of Qmeausre VS. Qcalculate (Cd = 0.9987)
Fig.2.3-7	Daily Water Discharge at Hun Sen Weir during 16 September 2000 – 28 February 2001
Fig.2.3-8	Daily Water Discharge at Prey Treng Pond during 16 September 2000 – 28 February 2001
Fig.2.3-9	Variation Curve of Ground Water Observation
Fig.2.4-1	Area of Bathyumetric Survey
Fig.2.5-1	Location of Borehole Drilling Offshore
Fig.2.5-2	Flow Chart of Offshore Boring Work
Fig.2.5-3 (1)	Arrangement of UD-Piston Sampling Equipment
Fig.2.5-3 (2)	Arrangement of UD-Piston Sampling Equipment
Fig.2.5-4	Arrangement of Standard Penetration Test Equipment
Fig.2.5-5	Boring Log of Offshore Borehole
Fig.2.5-6	Boring Log of Offshore Borehole
Fig.2.5-7(1)	Boring Log of Offshore Borehole
Fig.2.5-7(2)	Boring Log of Offshore Borehole
Fig.2.5-8	Boring Log of Offshore Borehole
Fig.2.5-9 (1)	Geological Profile
Fig.2.5-9 (2)	Geological Profile
Fig.2.5-9 (3)	Geological Profile
Fig.2.5-9 (4)	Geological Profile
Fig.2.6-1	Location of Predicting Tide Gauge Station in Thailand
Fig.2.6-2	Sea-level Fluctuation at CCGT Project Site during 19 November to 25 December 2000
Fig.2.6-3	Comparison of Sea-Level Fluctuation at CCGT Project Site and Sibanoukville Port, 19 Nov. – 25 Feb. 2000

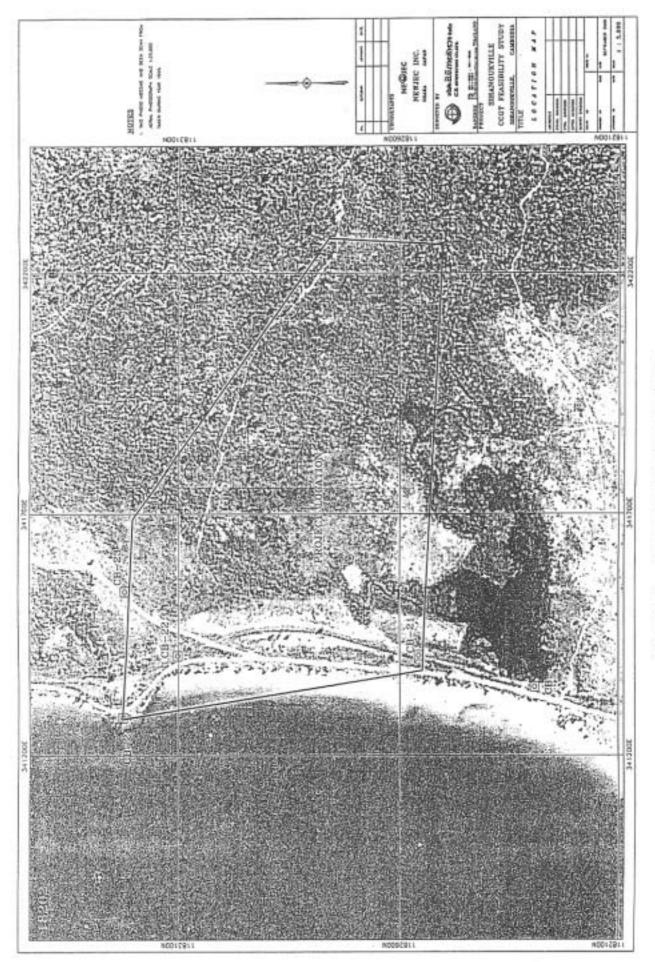
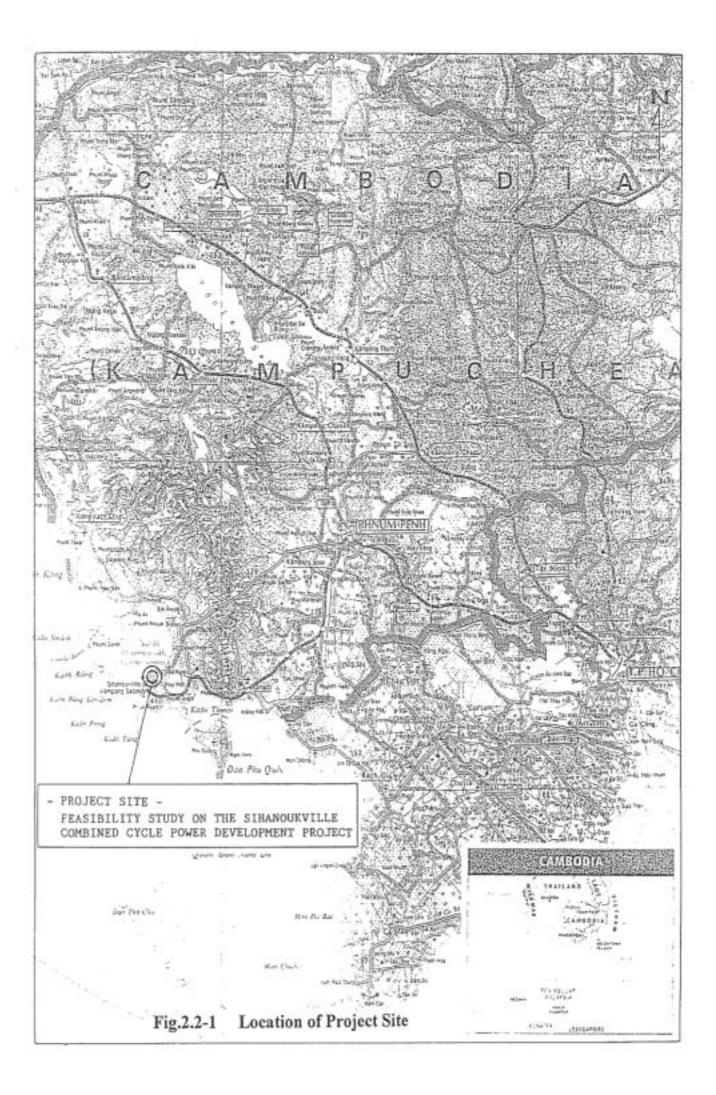
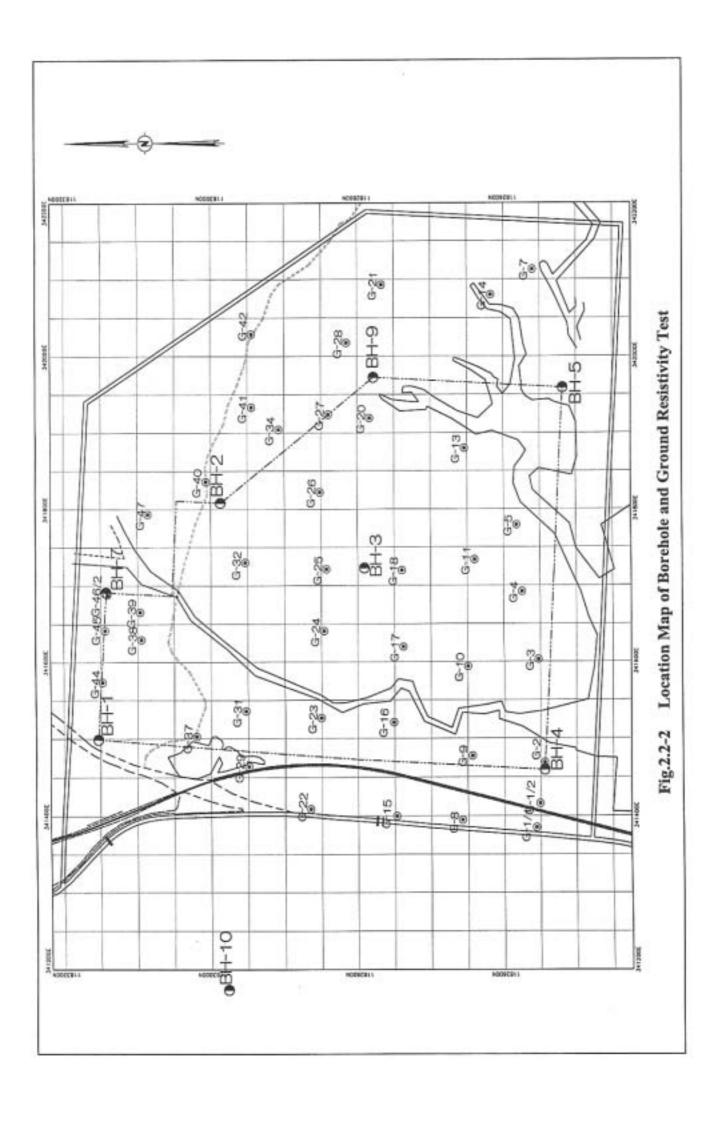
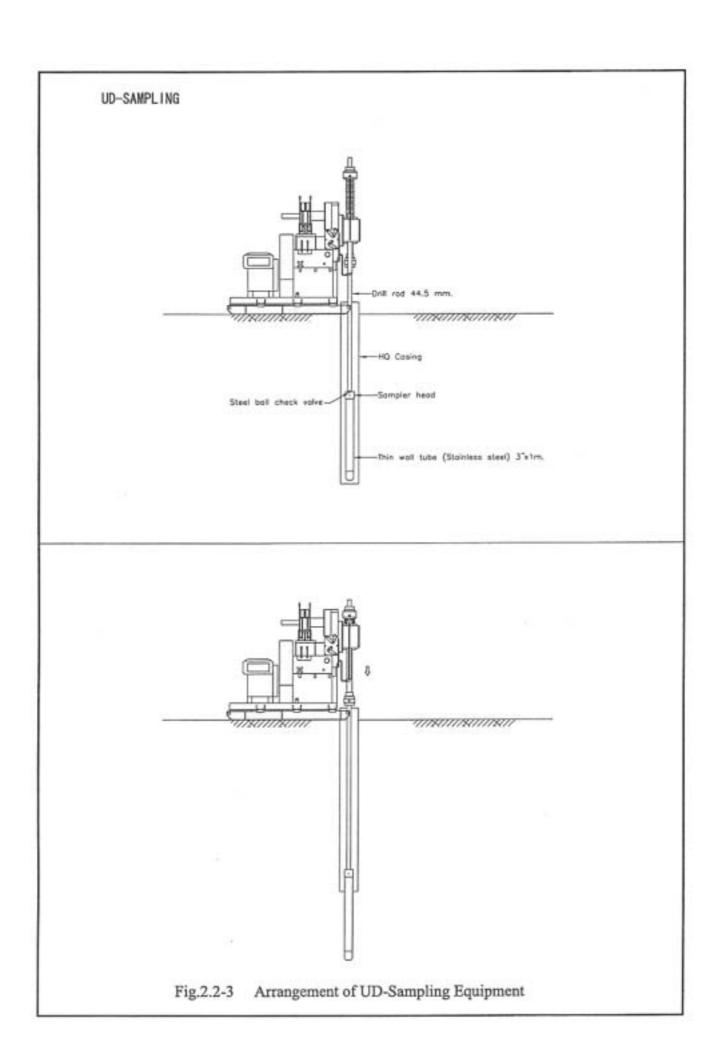
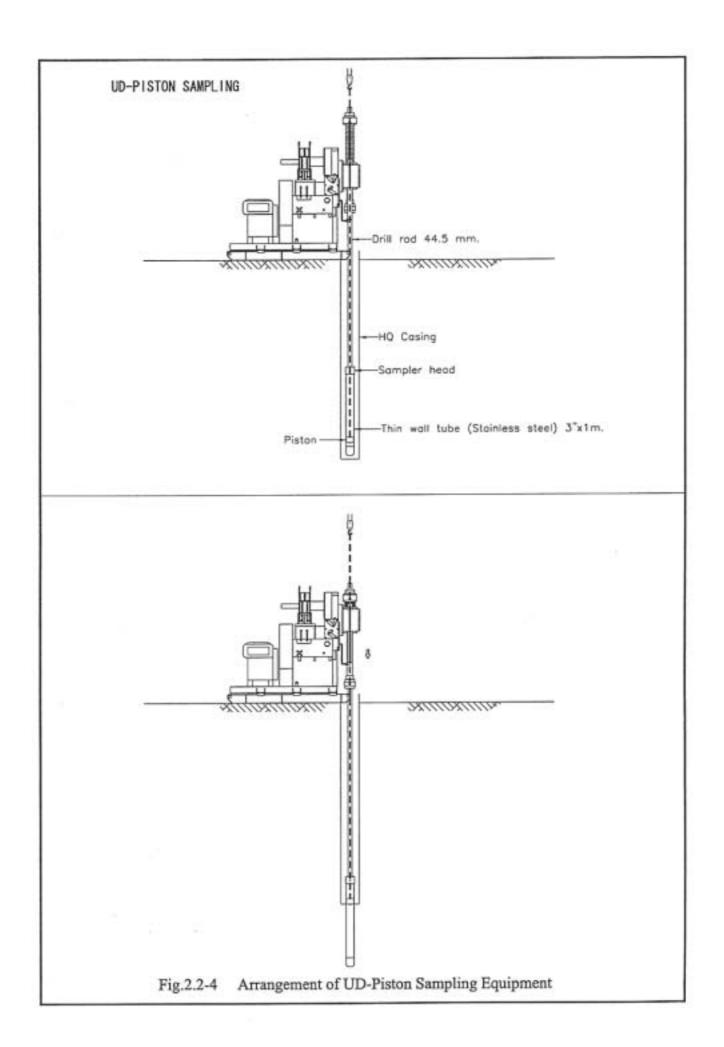


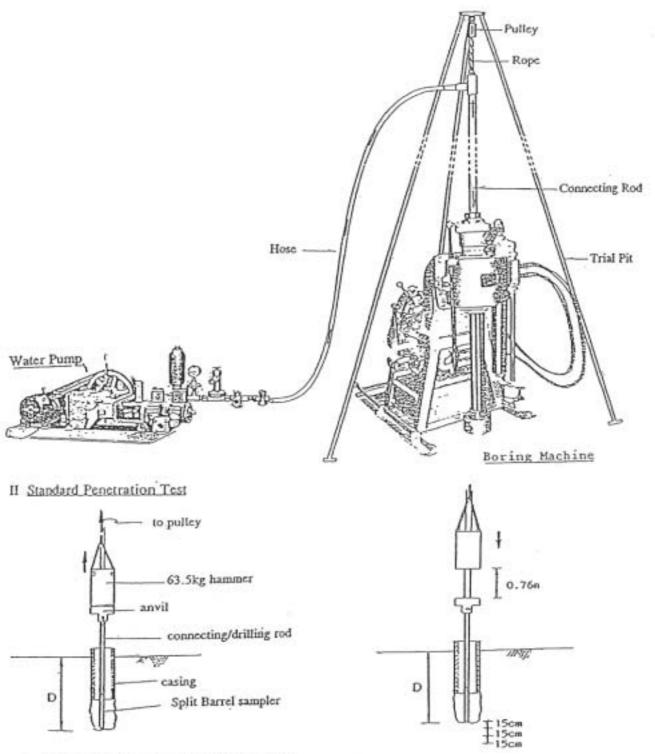
Fig.2.1-1 Topographic Survey Area











- a) The drilling bit is replaced by a Split Barrel Sampler and a hammer and anvil arrangement is mounted on top of the connecting/drilling rod.
- b) The test begins by elevating the hammer to 0.76m above the anvil. This distance is ensured by a trip mechanism that releases the hammer automatically upon reaching that height. The energy from the impact forces the rod, hence the sampler, into the soil. The N values are thus the sum of the number o blows by the hammer to drive the sampler 15cm-45cm from depth D.

Fig.2.2-5 Standard Penetration Test

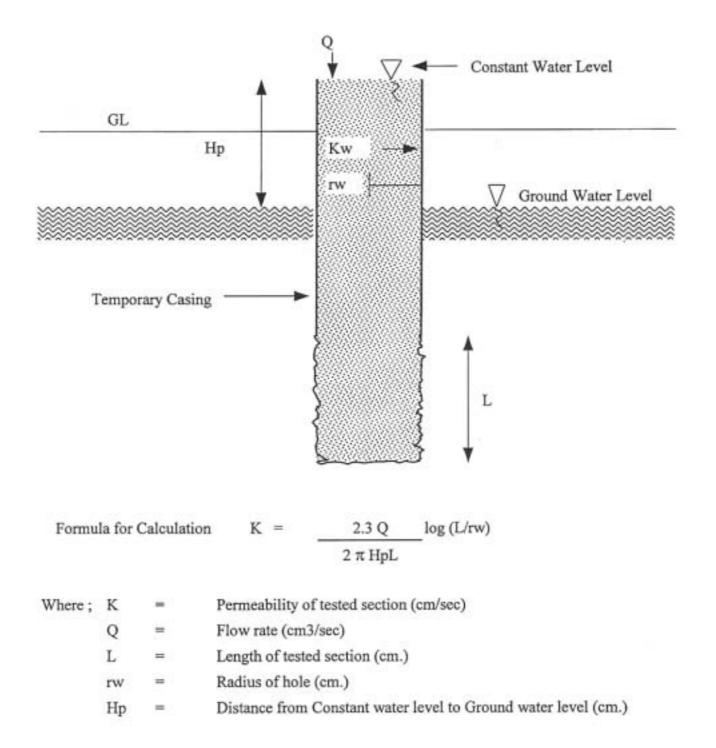
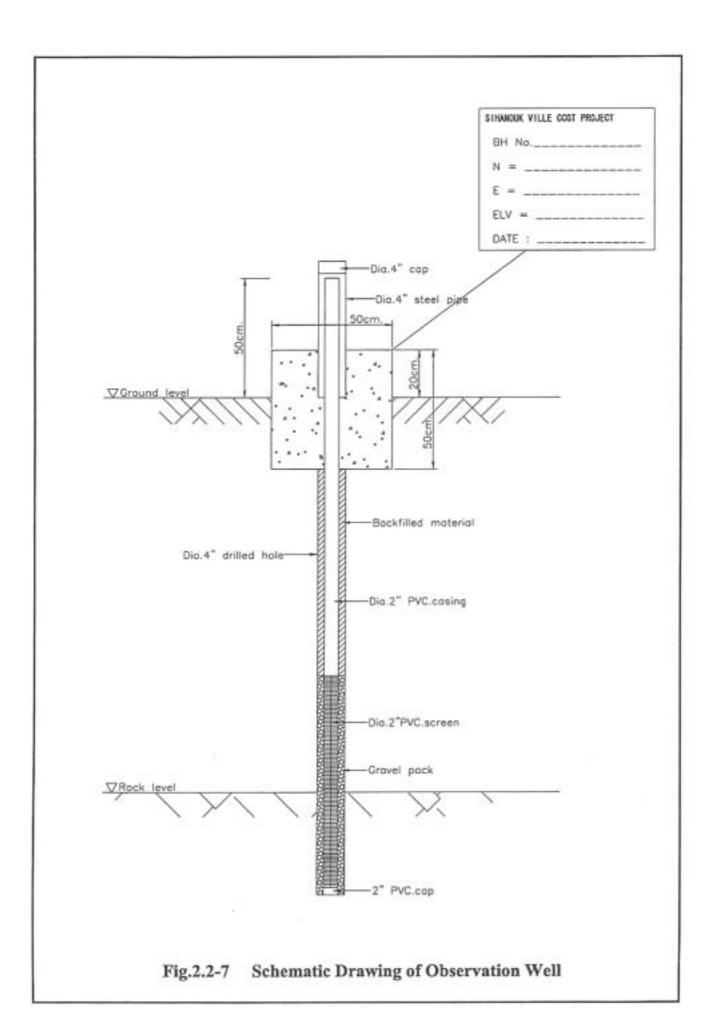


Fig.2.2-6 Schematic Drawing of Field Permeability Test (Constant Head)



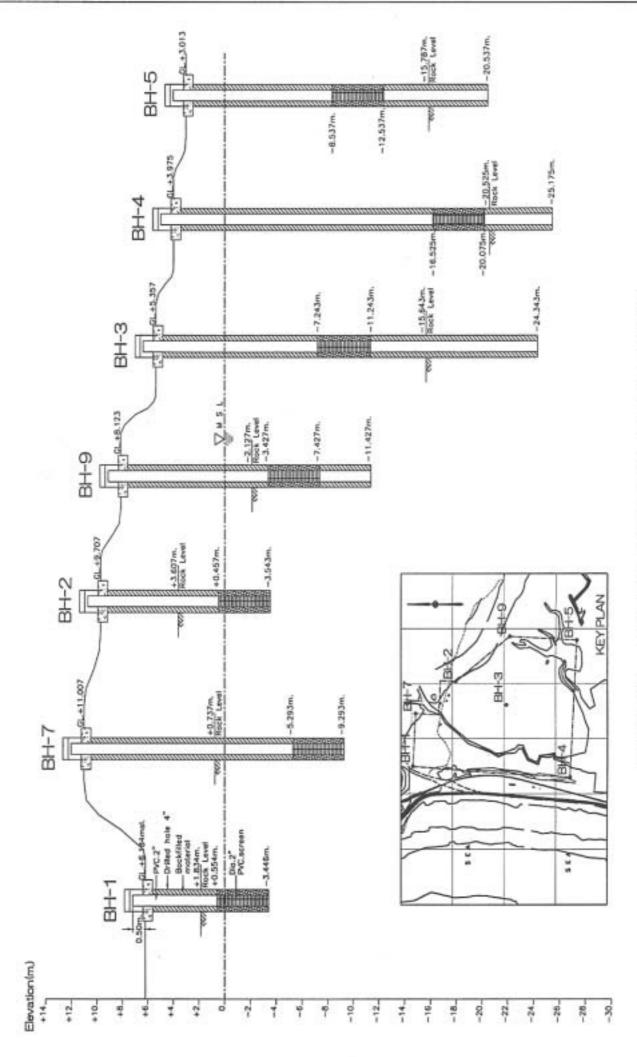
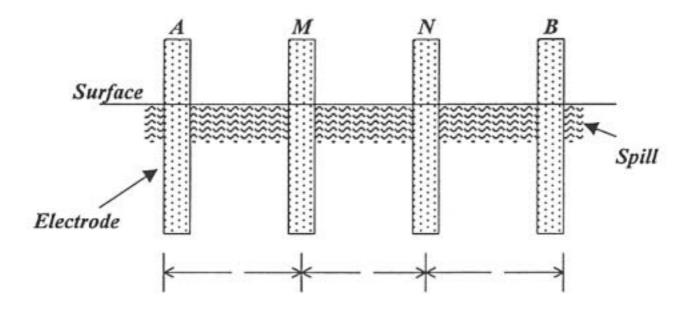


Fig.2.2-8 Cross Section of Observation Well



a = 1, 5, 10, 20, 30, 40, 50, 70, 90 and 110 m

Fig.2.2-9 Wenner Arrangement

CTAM TONE CO. LTD.	DODING LOC	BORING NO.	1
SIAM TONE CO., LTD.	I amount of the second of the		OF 1
PROJECT : SIHANOUKVILLE CCGT	Coordinates: N_1,183,153.43 E_341,491.58	Water Level:	Flooding) 0 m
LOCATION: SIHANOUKVILLE CAMBODIA	Ground Elevation: 7.459 ms	Starting Date:	19/09/00
CLIENT : NEWJEC INC.	Max.DrillingDepth: 13.25 r	n Finishing Date	20/09/00

Depth (m)	- Graphic Log	Soil Description	Sampling Method	Sample No.	Recovery (cm.)	RQD (%)	X + 10 60 60 60 60 60 60 60 60 60 60 60 60 60	Total Unit Weight  (Ton/m³)	SPT N Blow Count (Blow/ft)	
7.459	msi.		U			Н	7777	-17	7.7.7.	T
-										Ť
1-		and water as well as well as	SS	1	23				95	Ť
		SANDY CLAY, yellowish gray to dark to	SS	2	21				1	Ť
2-		yellowish brown, medium to stiff, trace	SS	3	32				1.:	1
	1//	some weathered sandstone fragment.	SS	4	30				71.	T
3-	1//		SS	5	26				15	T
			SS	6	27					T
4-	12.2	4.35 m.	SS	7	20					>5
5-		SANDSTONE, yellowish brown to grayish	С	1	30/120					+
6-		brown, moderately to highly weathered, poor rock quality.  6.65 m.	С	2	90/110					Ī
-		6.93 III.	С	3	88/88					I
7-		SANDSTONE, yellowish gray to medium	_		100					I
		light gray, slightly weathered, very fine to			9					I
8-		medium grain, well sorted, high fractured	C	4	140/140					1
		rock.								Ī
9-		9.63 m.	C	5	20,07					Ι
10-	1	300 300								I
		END OF BOREHOLE AT DEPTH 9.63 M.								L
. T	]				1					1
1-	1									1
	1									T
2-	1									T
_	1									Ī
3-	1									T
										Ť
14-						*****				Ť
-								1-1-		Ť
15-	6 1							1-1-		t
-	1							-		÷
16-						-		-		+
-	1					-				+
17-		es es						-		1
-		-								1
18-				1						_
										1
19-	] [									T
-	1				1			1	1 1 1 1	-

### SIAM TONE CO., LTD. BORING LOG SHEET 1 OF 1 Coordinates: N\_1,182,966.631 E\_341,808.293 LOCATION: SIHANOUKVILLE CAMBODIA CLIENT: NEWJEC INC. BORING NO. 2 SHEET 1 OF 1 Coordinates: N\_1,182,966.631 E\_341,808.293 Cround Elevation: 9.707 msl. Max.DrillingDepth: 13.25 m Finishing Date: 02/10/00

(m) yadao 9.707	Sraphic Log	Soil Description	Sampling Method	Sample No.	Recovery (cm.)	RQD (%)	American ame	- La Total Unit Weight - La (Ton/m³)	SPT N Blow Co (Blow/	unt ft)
1-		SILTY SAND, yellowish gray to reddish	SS	1	38				94	
2-		brown, very loose to medium, very fine to fine sand.	SS SS	3	36 25 30				0 16	
3-		3.50 m.	SS	5	25				06	
4-		SILTY CLAY, light grayish brown, soft to stiff, trace to some fragment of weathered sandstone	SS	7	30				211	士
5-		SAND, light yellowish gray, fine to medium sand, medium dense.	SS SS SS	9	25					>50 >50
6— 7—		SILTY SAND, yellowish brown, very dense, very fine to fine sand.	ss C	10	1755 SEI/OI					Ħ
8-		6.10 m/	С	2	40/110					Ħ
9—		SANDSTONE, reddish brown, to light gray moderately to highly weathered, high fractured rock.  9.75 m.	С	3	75/120					
10-		333 114	С	4	D6/06			i		+
11-		SANDSTONE, light yellowish gray to light gray, moderately to slightly weathered, fine to medium grain.	С	5	130/130					H
12-		13.25 m.	С	6	130/130					
14-		END OF BOREHOLE AT DEPTH 13.25 M.								H
15-										
17—										H
18-										
19-										++

Fig.2.2-10 (2) Boring Log

### SIAM TONE CO., LTD. BORING LOG BORING NO. 3 PROJECT : SIHANOUKVILLE CCGT Coordinates : N\_1,182,790.000 E\_341,722.000 Water Level: \_0\_m LOCATION : SIHANOUKVILLE CAMBODIA Ground Elevation: +5.357 msl. Starting Date: 15/10/00 CLIENT : NEWJEC INC. Max, DrillingDepth: \_29.70\_m Finishing Date: 18/10/00

S Depth (m)	Graphic Log	Soil Description	Sampling Method	Sample No.	Recovery (cm.)	RQD (%)	A House Live (N) A House Live A House Live Light Live Light Live 1 House Live	Total Unit Weight (Ton/m³)	SPT N Blow Count (Blow/ft)
1.337	THISI.			+		Н	1101011	110	
1-			SS	1	25				10
		SAND, brown to brownish black,	SS	2	10				9 28
2-		very fine to fine sand, well sorted, subrounded to rounded, slightly plastic	SS	3	25				J 28
3-		and high organic material, loose.	SS	4	25				0(1)
-		(UD-1:5.00 - 6.00m)	SS	5	40				25
4-			SS	6	26				J 24
	13443	4.50 m.	SS	7	23				
_	1//		SS	8	٠				911
,_		CLAYEY SAND, yellowish gray, very	SS	9	10			1	122
5-	///	fine to medium sand, well sorted, subrounded to angular, loose.	SS	10	-				do
	1/2	subrounded to angular, loose.	SS	11	28				7 22
7	99	7.00 m.	SS	12	45				
	1.7.2		SS	13					26
3-	222		SS		35				0 18
,	922		SS	15					18 36
	922	27 [	SS		18				130
2	22		SS	17	8				0 0
)_	25/3		SS	18					32
		SILTY SAND, very light gray to yellowish gray,	SS	19	1000				Q 23
	964	very fine to medium sand, well sorted,	SS		10				120
-	220	subrounded to angular, loose to dense.	SS		15				1
	1000	0.00	SS	100	2				2 18
2-	3/3/		SS	23	12				11
	994		SS	24	15			1	9 10
3-	200		SS	25	45				1
	16/6		SS	26	0				914
1	19.9	14.50 m.	SS	27	20				17
	1111		55	28	30				
5-	9.00	CLAY, light gray to reddish brown, very stiff.	SS	29	15				
-	48 40 - 400		SS	30	10				
5-	6 d Q 8 6 8 8 9 8 8 9 8 9 9 9 9 9 8 9 8 9 8 9	15.00 m/	SS	31	5	Н			
	0,0,0		SS	32	5				
7-	0.00	38	SS	33	5		-		
-	0.0.0	GRAVELLY SAND, laterite, reddish brown,	SS	34	6			-	
B-	0.00	hard and light inweight, filled with clay	SS	35	5			-	
-	0,0,0	material	SS	36	-	$\vdash$		1	
9-	0 0 0 0	-	SS	37	10	H		-	
- 9	0.0.0		SS	38	_				>

Fig.2.2-10 (3) Boring Log

### 3 BORING NO. SIAM TONE CO., LTD. **BORING LOG** SHEET 2 OF 2 Coordinates: N\_1,182,790.000 PROJECT: SIHANOUKVILLE CCGT Water Level: \_\_0\_\_m E 341,722.000 LOCATION: SIHANOUKVILLE CAMBODIA Ground Elevation: +5.357 msl. Starting Date: 15/10/00 CLIENT : NEWJEC INC. Finishing Date: 18/10/00 Max.DrillingDepth: 29.70 m

(m) Hdead +5.357	Graphic Log	Soil Description	Sampling Method	Sample No.	Recovery (cm.)	RQD (%)	X + 100 40 60 80	Total Unit Weight	Blow	T N Count ow/ft)
+3,337		CONCLIVAND Living of the bound	SS	39	10			111	11.1.	>50
-	0.000	GRAVELLY SAND, laterite, reddish brown, hard and light inweight, filled with clay	SS	40	7	Н		-		>50
21 —	177	material. 21.00 m	SS	41	10	$\Box$		-		>50
	1//	CLAYEY SAND, pale to reddish brown,	SS	42		Н		1		>50
22 —		very fine to fine sand, subangular to angular, dense.	С	1	110/150	0				111
23 —		21.80 m./		1	110		-1-1-1-			1-1-1-
24 —		SANDSTONE, light yellowish brown to	С	2	30/150	-0-				
		light brown, very fine to medium grain, compose of quartz, Feldspar	C	3		0			-	
25 —		and mafic mineral, quartz grain size	-34	1	40/40				1	
26 —		increasing with depth, well graded, subangular to subrounded, interbeded with light gray clay at 23.00 - 23.10,	С	4	100/150	11.75				
27 —		23.40 - 24.60, 26.00 - 26.50 and 28.35 - 28.70 m., weathering decrease	С	5	140/150	0				
28 —		with depth, high fractured rock in 90, 85, 70, 20, 10 and subholizontal to	_	H	7	Н		-	-	
29 —		core axis, some fractures are coated by iron oxide.  29.70 m.	С	6	110/150	a				
30 —		END OF BOREHOLE AT DEPTH 29.70 M.								
31 —							1111			
32 —						H				
33 —						П				
34 —										
										-
35 —						H				
-					1			-		
36 —						-				1-1-1-
								-		-
37		64				-		-		
_								-		-
38 —					- 1	-				
					1					
39 —										1-1-1-
	p				1					1 1

## SIAM TONE CO., LTD. BORING LOG PROJECT: SIHANOUKVILLE CCGT LOCATION: SIHANOUKVILLE CAMBODIA CLIENT: NEWJEC INC. BORING NO. 4 SHEET 1 OF 2 Coordinates: N\_1,182,544.000 E\_341,459.000 Ground Elevation: +3.975 msl. Max.DrillingDepth: 29.15 m Finishing Date: 24/10/00

Depth (m)	Graphic Log	Soil Description	Sampling Method	Sample No.	Recovery (cm.)	RQD (%)	X (54) 60 60 80	Total Unit Weight	SPT N Blow Count (Blow/ft) 39 29 39 49 59
.975	mst.		V)			Н	71111		
-						H			
1-			SS	1	10	Н			97
-		CAND willowish serve to Ealst serve years	SS	2	15	Н			- 48
2		SAND, yellowish gray to light gray, very fine to fine sand, loose.	SS	3	25	П			410
-			SS	4	25				914
-1			SS	5	30				0 28
-		4.00 m.	SS	6	30				20
-	7373	CTITY CAND dark house floo cond	SS	7	30	П			1
_	199	SILTY SAND, dark brown, fine sand, non-plastic, high organic material,	SS	8	16				\$17
-	3333	loose to medium dense.	SS	9	35	3			614
		5.00 m/	SS	10	30				23
-			SS	11	12				J23
_		SAND, yellowish gray to light gray, very fine to fine sand, loose.	SS	12	15				123
-		very fine to fine sand, loose.	SS	13	11				J 22
T		8.00 m.	SS	14	10				2
-	7.7.	SANDY CLAY, light gray, fine sand, low	SS	15	30	П			I'a
Ξ	1//	plastic, medium stiff. (UD-1: 8.00 - 9.00 m.)	SS	16	45				26
)—	7070	(UD-1: 8.00 - 9.00 m.) 9.00 m.	SS	17	15				624
Ī	100		SS	18	16				25
)—			SS	19	15				20
1	22		SS	20	15				622
	1//		SS	21	16				1 121
J	1000		SS	22	10				
-	1994	SILTY SAND, yellowish gray to dark	SS	23	15				I,
Ī	1224	gray, fine sand, fine gravel, well graded, loose to medium loose.	SS	24	10				30
-	122	g,	SS	25	13				30_
	1223		SS	26	16	П			
-	199		SS	27		-			010
-	1///		SS	28	16			T	111
-	1//	16.00 m.	SS	29	20			1	111
-	199	CTUTY CAND II 14 1 T-14	SS	30	-		1111		
-	72	SILTY SAND, yellowish gray to light gray, fine sand, loose.	SS	31			TITI		95
	1.70	17.00 m.	SS		30		7777		0
7—	1000		SS	1000	В			1	
-		SAND, light gray, very fine to medium sand, well sorted, subangular to rounded,	SS	-	10				1
3-		donce	SS		27			-	034
-	22	Oerise. 18.00 m.	SS		23	_			<b>Q</b> 27
9-	1//	CLAYEY SAND, light gray, fine sand,	SS	-	45	_			23
	1:7:7	plastic, medium dense.	SS	-	32	_		-	7 630

Fig.2.2-10 (5) Boring Log

## SIAM TONE CO., LTD. BORING LOG PROJECT: SIHANOUKVILLE CCGT LOCATION: SIHANOUKVILLE CAMBODIA CLIENT: NEWJEC INC. BORING NO. 4 SHEET 1 OF 2 Coordinates: N\_1,182,544.000 E\_341,459.000 Ground Elevation: +3.975 msl. Max.DrillingDepth: 29.15 m Finishing Date: 24/10/00

Depth (m)	Graphic Log	Soil Description	Sampling Method	Sample No.	Recovery (cm.)	RQD (%)	X (54) 60 60 80	Total Unit Weight	SPT N Blow Count (Blow/ft) 39 29 39 49 59
.975	mst.		V)			Н	71111		
-						H			
1-			SS	1	10	Н			97
-		CAND willowish serve to Ealst serve years	SS	2	15	Н			- 48
2		SAND, yellowish gray to light gray, very fine to fine sand, loose.	SS	3	25	П			410
-			SS	4	25				914
-1			SS	5	30				0 28
-		4.00 m.	SS	6	30				20
-	7373	CTITY CAND dark house floo cond	SS	7	30	П			1
_	199	SILTY SAND, dark brown, fine sand, non-plastic, high organic material,	SS	8	16				\$17
-	3333	loose to medium dense.	SS	9	35	3			614
		5.00 m/	SS	10	30				23
-			SS	11	12				J23
_		SAND, yellowish gray to light gray, very fine to fine sand, loose.	SS	12	15				123
-		very fine to fine sand, loose.	SS	13	11				J 22
T		8.00 m.	SS	14	10				2
-	7.7.	SANDY CLAY, light gray, fine sand, low	SS	15	30	П			I'a
Ξ	1//	plastic, medium stiff. (UD-1: 8.00 - 9.00 m.)	SS	16	45				26
)—	7070	(UD-1: 8.00 - 9.00 m.) 9.00 m.	SS	17	15				624
Ī	100		SS	18	16				25
)—			SS	19	15				20
1	22		SS	20	15				622
	1//		SS	21	16				1 121
J	1000		SS	22	10				
-	1994	SILTY SAND, yellowish gray to dark	SS	23	15				I,
Ī	1224	gray, fine sand, fine gravel, well graded, loose to medium loose.	SS	24	10				30
-	122	g,	SS	25	13				30_
	1223		SS	26	16	П			
-	199		SS	27		-			010
-	1///		SS	28	16			T	111
-	1//	16.00 m.	SS	29	20			1	111
-	199	CTUTY CAND II 14 1 T-14	SS	30	-		1111		
-	72	SILTY SAND, yellowish gray to light gray, fine sand, loose.	SS	31			TITI		95
	1.70	17.00 m.	SS		30		7777		0
7—	1000		SS	1000	В			1	
-		SAND, light gray, very fine to medium sand, well sorted, subangular to rounded,	SS	-	10				1
3-		donce	SS		27			-	034
-	22	Oerise. 18.00 m.	SS		23	_			<b>Q</b> 27
9-	1//	CLAYEY SAND, light gray, fine sand,	SS	-	45	_			23
	1:7:7	plastic, medium dense.	SS	-	32	_		-	7 630

Fig.2.2-10 (5) Boring Log

### 4 BORING NO. SIAM TONE CO., LTD. **BORING LOG** SHEET 2 0F 2 Coordinates: N1,182,544.000 PROJECT: SIHANOUKVILLE CCGT Water Level: 2.40 m E 341,459.000 LOCATION: SIHANOUKVILLE CAMBODIA Starting Date: 21/10/00 Ground Elevation: +3.975 msl. CLIENT : NEWJEC INC. Finishing Date: 24/10/00 Max.DrillingDepth: 29.15 m

(m) thdead .355	Graphic Log	Soil Description	Sampling Method	Sample No.	Recovery (cm.)	RQD (%)	September Septem	" Total Unit Weight " (Ton/m³)	SPT N Blow Count (Blow/ft) 10 20 30 40 50
10.010	7:7:7	CLAYEY SAND, light gray, fine sand,	55	39	35	Н		1	17
-	经对	medium dense.	SS	40				1-1-1	-48
21 -		20.50 m.	55	41	-	-		-	p14
-		SANDY CLAY, brownish gray, sitff.	SS	42	-	-			9.34
22 -		1 1	SS	43	-	Н		-	- 4-33
-		21.00 m./	55	44	1	H		-	230
23 -		SAND light gray way fine to medium	-			Н			>50
-		SAND, light gray, very fine to medium sand, size increasing with depth, well	55	45		H			>50
24 -		sorted, angular to rounded, dense to	55	46	-	H		-	50 0
-	77777	very dense. 24.50 m.	SS	47	_	-			>50
25 -		CLAY, brown, hard, clay and greenish	SS	48	1				
_		gray, with layer of siltstone. 25.75 m.	С	1	55/5				
26 —		23.73 111:	C	2	90/06				
_		SILTSTONE, greenish gray, slightly			_				
27 —		weathered to fresh and interbeded	C	3	150/150				
21		with mudstone; brown to light brown,	-		158				
20		with mudstone; brown to light brown, hard. Fracture planes incline about 90				П			
28 —		to core axis and rough.	C	4	2				
				Ι'	150/150	H		1	
29 —		29.15 m.		+	-	H			
-	1	THE OF BODE IOLE AT BEST LOS AS A			П	H			
30 —	1	END OF BOREHOLE AT DEPTH 29,15 M.						-	
-						-		-	
31 -									
-						-			
32 -						-		-	
								-	
33 —									
-									
24									
34 —									
20									
35 —									
_						-			
36 —									
-								-	
37 -		+1				-		-	
_		520						1	
38 —							1111		
39 —									
33									
-						1			

Fig.2.2-10 (6) Boring Log

## SIAM TONE CO., LTD. BORING LOG PROJECT: SIHANOUKVILLE CCGT LOCATION: SIHANOUKVILLE CAMBODIA CLIENT: NEWJEC INC. BORING NO. 5 SHEET 1 OF 2 Coordinates: N 1,182,518.102 E 341,958.978 Ground Elevation: +3.013 msl. Max.DrillingDepth: 23.55 m Finishing Date: 12/10/00

Depth (m)	Soil Description	Sampling Method	Sample No.	Recovery (cm.)	RQD (%)	X Process Control (Age) 20 00 00 00 00 00 00 00 00 00 00 00 00	Lu Total Unit Weight	SPT N Blow Count (Blow/ft)
1-1//	SILTY SAND, yellowish gray, very fine to medium sand, well graded, subrounded to rounded, loose.	SS	1	30				948
2 932	2.00 m.	SS	2	30				21
*_		SS	3	10				67
3—		SS	4	35				2-10
<b>"</b> ]	SAND, light brownish gray, fine to coarse	SS	5	20				L10
4-	sand, well graded, subrounded to rounded, loose to medium dense.	SS	6	21				6
		SS	7	-				I a
- 3000	5,00 m.	SS	8	10				D14
5	SILTY SAND, yellowish gray, very fine to	SS	9	26	- 1	1 1 1 1		6
. 13/3	medium sand, very loose to medium	SS		_				J2
6-1//	dense. (UD-5 : 6.00 - 7.00 m.)	SS	11	45				. \$ 5
. VIII	CLAY II TO THE TOTAL	55		40				17
7-(///	CLAY, medium gray, soft to medium dense.	SS	13	45		11.11		723
		SS	14	5			Training.	
8—	7.50 m/	55	15	32		1111		12
	SAND, dark gray, very fine to medium	SS	16	27		THE		23
9—	sand, well graded, subrounded, loose	SS	17	12		1111		634
. <b>.</b>	to very dense. 10.00 m.	SS	18	8				
0		SS	19	10		TIT		35
		SS	20	30		1 1 1 1		37
1-1//		SS	21	15				J <sub>36</sub>
-V:/:		SS	22	17			1	18 4 m 2 m 12 18 18 18 18 18 18 18 18 18 18 18 18 18
2-1//		SS	23	35				636
700		SS	24	40				Ø8
3-1//	SILTY SAND, light yellowish gray, very	SS	25	40			1	38
7/3/3	fine to medium sand, subrounded,	SS	26	25		1117		
4-13/3	loose to very dense.	SS	27	30		+	1-1-	
-10/07		SS	100	25	-		-	p 33
5-1//		SS	100	23		++++	-	b31
-199		SS	-	35			-	625
6-1//		SS		15	-			0
-13/3	18.00 m.	SS	1	25	-		-	Q 25
7-19/2				-	-			430
-19/9/	CLAYEY SAND, grayish brown, trace	SS		22			-	8.36
8 1/4	of sandstone fragmet, very dense.	SS	4	15				
1//	18.90 m.	SS		25				
0	$\vdash$	SS	36	30				
9—	SANDSTONE, medium gray, highly weathered rock. 20.00 m.	С	1	91/120	16.66			

Fig.2.2-10 (7) Boring Log

# SIAM TONE CO., LTD. BORING LOG BORING NO. 5 SHEET 2 OF 2 PROJECT: SIHANOUKVILLE CCGT LOCATION: SIHANOUKVILLE CAMBODIA CLIENT: NEWJEC INC. BORING NO. 5 SHEET 2 OF 2 Water Level: 1.50 m Starting Date: 09/10/00 Max.DrillingDepth: 23.55 m Finishing Date: 12/10/00

(m) pepth (m)	Graphic Log	Soil Description	Sampling Method	Sample No.	R	RQD (%)	20 40 104 EVEL 104	Total Unit Weight	SPT N Blow Count (Blow/ft) 10 20 30 40 50
21 —			С	2	100/100	80			
- 22 —		SANDSTONE, medium gray, moderate to slightly weathered rock, very fine to medium in grain, fracture plane incline about 90 to core axis coated by Silica.	С	3	100/100	100			
23 —		about 90° to core axis coated by Silica.  23.55 m.	С	4	155/155	100			
24 —		END OF BOREHOLE AT DEPTH 23.55 M.							
25 —									
26 —									
27 — - 28 —									
_ 29 —									
30 —									
31-									
32 —	N I					-			
33 —									
34 —									
85 —									
86 —									
37 — —		202							
88 —									
39 —						-			

### SIAM TONE CO., LTD. BORING LOG PROJECT: SIHANOUKVILLE CCGT LOCATION: SIHANOUKVILLE CAMBODIA CLIENT: NEWJEC INC. BORING NO. 7 SHEET 1 OF 1 Coordinates: N\_1,183,142,967 E\_341,691.314 Ground Elevation: 11.007 msl. Max.DrillingDepth: 20.30 m Finishing Date: 27/09/00

Depth (m)	Graphic Log	Soil Description	Sampling Method	Sample No.	Recovery (cm.)	RQD (%)	The state of the s	- A Total Unit Weight	SPT N Blow Count (Blow/ft)
	933								
1-		l l			20	Н		-	95
-	1994	SILTY SAND, yellowish brown to brownish gray, very loose to medium dense, very fine to medium sand, well graded.	SS	2		H		-	43
2-	1000		SS	3	-				-95
+	10/01		SS	4	-				95
-	1000		SS	5		H		-	> 19
-	224		SS	6	-			-	-φ-10
1	1///		SS	7	45	Н			-010
-	100		SS	8	35			-	216
5-	6/6/4		SS	9	31	-	-	-	924
-	9/3		SS	10		Н		-	9 29
5-	220		SS	11	_	Н		-	20
-	1.1.1		SS	12	_				-9 B
7-	1000		SS		30	Н			φ9
-	9/3/4		SS		45			-	0.0
3-	990		SS		45			-	- 99
-	11111	8.45 m.	SS	1	10	-			99
9—		SILTY CLAY, yellowish brown, stiff, trace, some weathered sandstone, fragment.	SS	17				-	910
-	(11)	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SS		45	_		-	914
)—	744A	10.00 m.	SS		20			-	
i-		SILTY SAND, light yellowish gray, very fine to fine sand, very dense.	С	1	0/150	-			
!— -			С	2	80/08				
3-				-	0				
-				1	051/0	$\vdash$			
1-			C	3	150/	-		-	
- -		SANDSTONE, light yellowish gray to light gray highly weathered from -10.27 to -15.15 m. and moderately to slightly weathered from -15.15 m. to -20.30 m., high fractured rock, some thin bed of gravelly sandstone interbeded.	С	4	87/130				
5-			С	5	77/100	E			
7-			С	6	135/145				
B-			С	7	90/80				
9-		END OF BOREHOLE AT DEPTH 20.30 M.	С	8	150/150	_			

Fig.2.2-10 (9) Boring Log

## SIAM TONE CO., LTD. BORING LOG SHEET 1 OF 1 Coordinates: N\_1,182,777.746 E 341,972.666 COORDING NO. 9 SHEET 1 OF 1 COORDING NO. 9 SHEET 1 OF 1

C Depth (m)	Graphic Log	Soil Description	Sampling Method	Sample No.	Recovery (cm.)	RQD (%)	X Water Code  X Water Water Code  X 0,000 E0  20 40 60 80	La Total Unit Weight La (Ton/m³)	Blow (Bl	PT N Count ow/ft)
2,143	HIGH.	F- 17 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011 - 011	-	-						
		CAND Eabt are to becomish grow your		-					0.7	
1-		SAND, light gray to brownish gray, very fine to fine sand, very loose to loose.	SS	1	15				D 10	
			SS	2	35				0.9	
2-	13333	2.50 m.	SS	3	22				0-10-	
ς -	7575		SS	4	40				1	
3-	100	SILTY SAND, yellowish gray, soft to medium.  SS 4 40 SS 5 40 SS 6 24 SS 7 17 SS 8 45 SS 9 40 SS 10 37		1	_				I	
. 7	3/3		SS	6	24				II.	
4-	99				17				I.	
	1									
5-	136		-		0.77				II.	
_	13/3								-05	
6-	199		SS	11	37				1.	
	998	7.00 m.			1				1	8
7-	16/6			-	-					P 32
. 7	6/6/	GRAVELLY SAND, reddish brown,	SS		_					6-31
8-	1/3/3		SS							A-30
-	2/1	9.00 m.	SS	16	25				0	/
9-	10000	CAND brownish army fine to medium	SS	17	37					41
· -		grain sand.		18	45					
10-	Constitution .	10.25 m.	55	19	-			-		
	<b></b>									111
1-										
-			- 11	-	-					
12-	ŧ									
-								1		
13-				1	Н					
- 10		SANDSTONE, highly weathered sandstone to moderately weathered sandstone,			П		7111			
14-		topped rock is highly weathered, remaining			L			1		-
		is medium to coarse sand, fresh rock light				$\vdash$		++	1	
15-		gray, high fracture with clay and silt filled.			ь	-		-		
_				1	⊢	-		-	-1-1-	
16-						-		-	-	
177	<b>!</b>				L			-		-
17-		. 7				_				
.,		ea - 24								1
10		· careeres								
18-		19.55 m.								
						-				
19-		END OF BOREHOLE AT DEPTH 19.55 M.			Г					
-	Timilian.	Y PUR OF BOWEHOLE WI DELLU 13:33 Id"						1	-	

Fig.2.2-10 (10) Boring Log