

## **ATTACHMENT-2**

8 Drilling Logs

## EXPLANATION OF DRILLING WORK

### 1. Core Drilling/PVC holes(WT series)

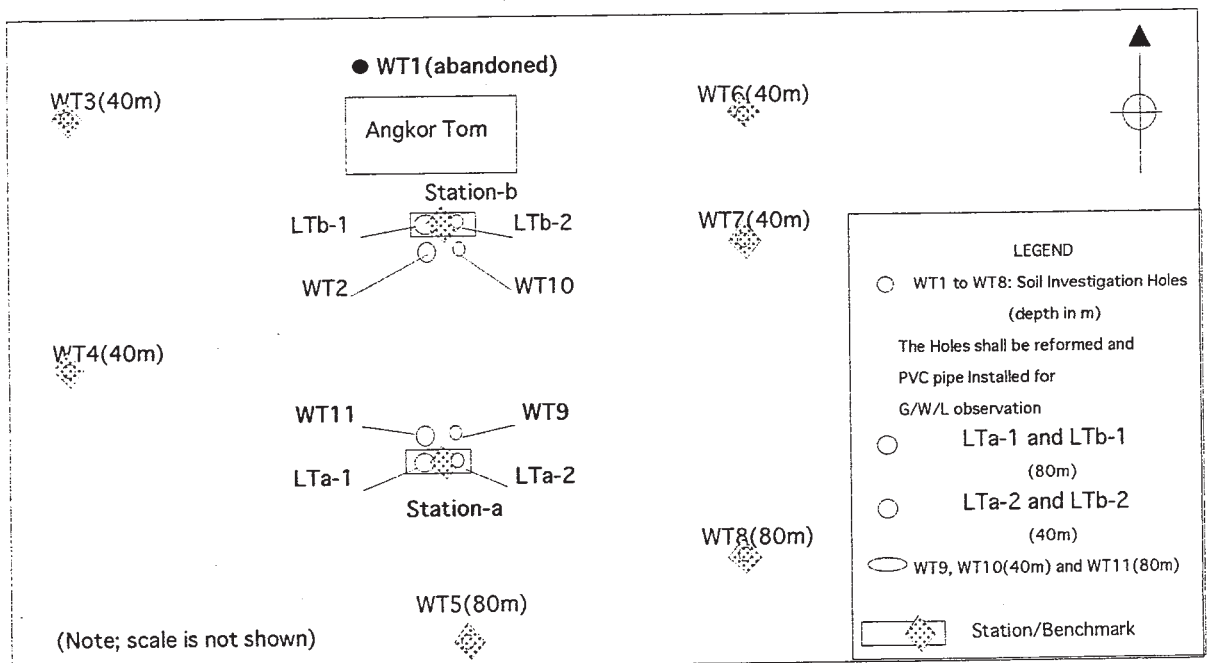
Note:△mark is not yet completed. ●mark is compiled in Appendix

Well No.	Soil Laboratory Test	SPT	Depth (m)	Logging	Casing (Dia.) 6"	Water Sample	Remarks
WT-1	△	35	90	●	-	-	Abandoned for the Station-a site.
WT-2	△	41	95	●	PVC	-	Pumping Test is not yet
WT-3	●	40	80	●	PVC	△	Installation of Observation Hut is not yet.
WT-4	●	34	80	●	PVC	△	Installation of Observation Hut is not yet.
WT-5	△	38	110	●	PVC	△	Installation of Observation Hut is not yet.
WT-6	●	41	80	●	PVC	△	Installation of Observation Hut is not yet.
WT-7	●	42	90	●	PVC	△	Installation of Observation Hut is not yet.
WT-8	△	33	95	●	PVC	△	Installation of Observation Hut is not yet.
WT-9	-	-	-	-	PVC	-	Pumping Test is not yet
WT-10	-	-	-	-	PVC	-	Pumping Test is not yet
WT-11	-	-	-	●	PVC	-	Pumping Test is not yet
<b>Total</b>		<b>304</b>	<b>720m</b>	<b>9 Holes</b>	<b>532</b>	<b>4/(6)</b>	<b>6sites for Observation Hut(not yet)</b>

### 2. Construction of Land Subsidence Monitoring Wells

Well No.	Drilling Dia.	Depth (m)	Drilling Dia.	Depth (m)	Bottom Cap	Casing Length (m)	Screen Length (m)	Sliding Unit	Centralizer Casing pipe Inner pipe	Inner Tube Length (m)	Cement Basket/Shoe	Water Sample
LTa-1	17-1/2"	6	12-1/4"	74	1	72	8.3	1	7 7	85	1 1	△
LTa-2	17-1/2"	3	12-1/4"	37	1	36	8.3	1	3 3	45	1 1	△
LTb-1	17-1/2"	6	12-1/4"	74	1	72	8.3	1	7 7	85	1 1	△
LTb-2	17-1/2"	3	12-1/4"	37	1	36	8.3	1	3 3	45	1 1	△
<b>Subtotal</b>	17-1/2"	(=18m)	12-1/4"	(=222m)	4	216m	33	4	20pcs/20p	260m	4pcs/4pcs	4
<b>Spare</b>						24m	0	0	-	37m	-	-
<b>Total</b>	17-1/2"	(=18m)	12-1/4"	(=222m)	4	240m	33	4	20pcs/20pc	297m	4pcs/4pcs	4

### Schematic Location Map of Drilling Points



DRILL LOG

HOLE NO. WT1

SHEET NO. 1 OF 2

PROJECT		Siem Reap Water Supply		DEPTH(m)	90	ELEVATION(m)		27.04		
SITE		Angkor Thom	COORDINATION	X:	Y:	INCLINATION:90°		RIG	THS-88	
AVERAGE CORE RECOVERY			96%	DATE	30/3/97 - 7/4/97		DRILLED	SiamTone	LOGGED	Suzumura
DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.7 N-value	Spontaneous(mV) Short normal( $\Omega/m$ ) Long normal( $\Omega/m$ ) Natural Gamma(cps)		
	2		Clayey Sand		Light reddish gray fine clayey sand. Medium plasticity. Loose.	XX				
	4	Brown fine sand. Medium plasticity. Loose.								
	6		Sand		Light yellowish gray pebble with sandy clay matrix.	XX				
	8	5-7m; Light brownish gray fine sand. Well sorted. Slightly consolidated.								
	10									
	12	11.8-13.0m; Very hard sand derived from Diluvium.								
	14									
	16									
	18		Clayey sand with Hard Clay (stone) Boulders		18.2-18.45m; White clayey medium sand. Very hard.	XX				
	20									
	22	21.2-24.3m; Hard clayey sand.								
	24	Gray medium sand. Loose.								
	26									
	28	28.3-29.0m; Hard sandy clay.								
	30		Clayey Sandstone		Gray coarse sand. Loose.	XX				
	32	Below 31.0m; Yellowish brawn with light pinkish parts medium sandstone.								
	34									
	36	Cylindric core.								
	38	41.8-50m; Gray to pale brawn with yellowish parts, medium clayey sandstone. Cylindric core.								
	40									
	42	Light yellowish brown, medium to coarse sand (stone). Poorly graded.								
	44	Pale brown in parts. Medium sand (stone). Very dense. Clindrical Core.								
	46		Core loss			XX				
	48									
	50									

DRILL LOG

HOLE NO. WT1

SHEET NO. 2 OF 2

PROJECT		Siem Reap Water Supply		DEPTH(m)		90		ELEVATION(m)		27.04	
SITE		Angkor Thom		COORDINATION		X: Y:		INCLINATION		RIG THS-88	
AVERAGE CORE RECOVERY		96%		DATE		30/3/97 - 7/4/97		DRILLED		SiamTone LOGGED Suzumura	
DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T	Spontaneous(mV) Short normal( $\Omega/m$ ) Long normal( $\Omega/m$ ) Natural Gamma(cps)			
	52		Clayey Sandstone with Boulders from Bedrock		Light yellowish brown, medium to coarse, poorly graded sand (stone).						
	54					Pale brown with yellowish brown boulders at 53 - 59m.					
	56					Medium sand(stone). Very dense.					
	58					Cylindrical Core.					
	60					57.0-58.0m: Core loss.					
	62					Red, completely weathered big boulder, derived from old surface of bed rock at 62-65m.					
	64				Light brown, medium to coarse, poorly graded sand (stone).						
	66		Laterite (Old Surface Soil)		Red completely weathered medium sandstone.						
	68					Light brown medium to coarse, sandstone. Poorly graded. Easy to break by hand press.					
	70		Decomposed Sandstone		Brown, medium grain, poorly graded, decomposed sandstone. Partly yellowish light brown claystone at 72.8m.						
	72										
	74										
	76										
	78		Sandstone		Purplish brown, medium to coarse sandstone. RQD:8%.						
	80					Purplish brown sandstone. Grain size: 2-20mm. Hard sandstone. RQD:36 - 55%.					
	82										
	84										
	86					Purplish brown, medium to coarse sandstone. RQD:28 - 40%					
	88										
	89.30				END OF HOLE						
	92										
	94										
	96										
	98										
	1.00										

Note; ----> Sampling Points(Laboratory data are not completed).

DRILL LOG

HOLE NO. WT2

SHEET NO. 1 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	95	ELEVATION(m)	21.54			
SITE	Angkor Wat	COORDINATION	X:	Y:	INCLINATION:90°	RIG	THS-88		
AVERAGE CORE RECOVERY		93%	DATE	8/4/97 - /4/97		DRILLED	SiamTone	LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value			Ω/m					
							0	10	20	30	40	50	0	100	200
	2		Clayey Sand		0~2.4m: Slightly organic. Dark brown sand.		X	X	X	X	X	0	50mV	Ω/m	
	4		Sand		2.4~5.5m: Pale reddish, m. to c sand. Loose.		X	X	X	X	X				
	6				5.5~11.0m: Alternation of yellowish brown, consolidated sand and pale reddish loose sand.		X	X	X	X	X	X			
	8							X	X	X	X	X			
	10							X	X	X	X	X			
	12		Clayey Sand(stone)		Light reddish, medium to very coarse sand. Loose.		X	X	X	X	X				
	14							X	X	X	X	X			
	16							X	X	X	X	X			
	18							X	X	X	X	X			
	20		Sand		Clayey sand(stone) with some clay. Moderate to very hard silt sand (stone). Partly very consolidated. Loose sand.		X	X	X	X	X				
	22							X	X	X	X	X			
	24		Clayey Sand(stone)		22~24.4m: Core Loss.										
	26														
	28		Sand		Pale reddish gray, moderately consolidated clayey sand. Moderately hard.		X	X	X	X	X				
	30							X	X	X	X	X			
	32		Clayey Sand(stone)		Pale reddish gray, medium to coarse sand. Loose.		X	X	X	X	X				
	34							X	X	X	X	X			
	36		Sand		31.2~31.5m: Slightly consolidated sand. Loose. Partly some clay.		X	X	X	X	X				
	38							X	X	X	X	X			
	40		Clayey Sand(stone)		Loose sand. Medium to coarse.		X	X	X	X	X				
	42							X	X	X	X	X			
	44		Sand		Loose sand. Medium to coarse.		X	X	X	X	X				
	46							X	X	X	X	X			
	48		Clayey Sandstone		38~41.7m: Loose, reddish coarse sand.		X	X	X	X	X				
	50							X	X	X	X	X			
					41.7~44.4m: Boulder of clayey sand(stone) derived from lower layer.		X	X	X	X	X				
					Yellowish brown, medium sandstone.		X	X	X	X	X				
					Brown medium to coarse, poorly graded. Very loose.		X	X	X	X	X				
					Below 46m; yellowish brown, sandstone with clay matrix. Very dense.		X	X	X	X	X				
					49~52m: clayey matrix dominant.		X	X	X	X	X				

DRILL LOG

HOLE NO. WT2

SHEET NO. 2 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	95	ELEVATION(m)	21.54			
SITE	Angkor Wat	COORDINATION	X:	Y:	INCLINATION	RIG	THS-88		
AVERAGE CORE RECOVERY		93%	DATE	8/4/97 - /4/97		DRILLED	SiamTone	LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value	Electrical Resistivity		
								Spontaneous(mV)	Short normal( $\Omega/m$ )	Long normal( $\Omega/m$ )
	52		Clayey Sandstone to Claystone		All cylindric core. White gray medium sandstone.					
	54									
	56									
	58									
	60									
	62									
	64		Siltstone		Gray to white clayey sandstone. Cylindric core.					
	66									
	68									
	70		Clayey Sandstone		72~73m: Red patch of laterite.					
	72									
	74		Claystone		Claystone. Cylindric core.					
	76									
	78		Weathered Volcanic Rock		Purplish dark brown, highly weathered andesite. Moderately weak matrix with rock fragments. 80~80.65m and 81~84m: Very frequently develop joints with randomly. RQD: 0%.					
	80									
	82									
	84									
	86		Andesite		79~84m: Clay of highly weathered red, volcanic rock. RQD: 50~60%. Dark red porphyritic andesite with plagioclase crystalline. 92~92.4m and 93~94m: Fractured along red coating cracks(altered). RQD: 20-30%. Very thin calcite veins (t=0.1 to 0.3cm) are developed frequently.					
	88									
	90									
	92									
	94									
	96				END OF HOIE					
	98									
	100									

Note; ---> Sampling Points(Laboratory data are not completed)

DRILL LOG

HOLE NO. WT3

SHEET NO. 1 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	80	ELEVATION(m)	16.47			
SITE	Ph Kouk Phnou Sch.	COORDINATION	X:	Y:	INCLINATION:90°	RIG	THS-88		
AVERAGE CORE RECOVERY		86.5%	DATE	28/4/97 - 1/5/97		DRILLED	SiamTone	LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value	Spontaneous(mV)	Long normal( $\Omega/m$ )	Natural Gamma(cps)
	2		Silty sand		0~1.5m: Organic, brown and gray, fine sand.					
	4			1.5~7m: Brown, Fine sand. Loose to dense.						
	6									
	8					Brown m. to c. sand. Loose. 7.0-9.3m and 9.3~10.8m: Boulders of silty sand.				
	10					10.0~11.5m: Core loss.				
	12		Clayey to silty Sand (stone)		11.5~20.6m: Pale brown silty sand. Slightly plasticity.					
	14					At.17.4;17.8m,19.6m;19.9m and 20.6~22m, red laterite layers are intercalated.				
	16									
	18									
	20									
	22		Sandy Claystone		Laterite patches at 20.6~22m. 20.6~26.1m: Light gray claystone. High plasticity. Reddish brown with 40cm intervals					
	24					Light gray claystone. Very dense. Clindric core. High plasticity.				
	26									
	28					Light gray with pinkish spotted, claystone. Hard. Red bands are developed by 10cm interval with 3cm wide. All cylindric core.				
	30									
	32									
	34					High plasticity. All cylindric core.				
	36									
	38					Pale gray claystone with red to pink bands. All cylindric core.				
	40									
	42		Claystone		Pale gray sandy claystone. 41.9~48.0m: Pele gray sandy clayestone. 48~49m: Pale gray siltstone. All cylindric core.					
	44									
	46									
	48					49.5-51m core loss.				
	50									

DRILL LOG

HOLE NO. WT3

SHEET NO. 2 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	80	ELEVATION(m)	16.47			
SITE	Ph Kouk Phnou Sch.	COORDINATION	X:	Y:	INCLINATION	RIG	THS-88		
AVERAGE CORE RECOVERY		86.5%	DATE	28/4/97 - 1/5/97		DRILLED	SiamTone	LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value	Geophysical Data			
								Spontaneous(mV)	Long normal( $\Omega/m$ )	Natural Gamma(cps)	
	52	-35.0		5/6/6	Basal Gravels with green clay.						
	54		Laterite (Old Surface Soil)		51.1~54m: Completely weathered and decomposed sandstone.						
	56		Altered Sandstone		54~58.3m: Highly weathered and altered sandstone.						
	58				Core loss at 49.5~51m and 57~58.3m.						
	60		Weathered Granodiorite		58.3~66m: Marginal facies of granodiorite intrusion.						
	62					Vertical and 60 dipping calcite veins at 63.76~66m and 69-70m.					
	64										
	66					Zenolith facies at 66~68m with brecciated/welded dark green rock (shale or sandstone origine).					
	68		Granodiorite		R.Q.D: 48 to 98%.						
	70										
	72										
	74										
	76										
	78										
	80	-63.9									
	82					End of Hole					
	84										
	86										
	88										
	90										
	92										
	94										
	96										
	98										
	100										

Note; → Sampling Points(Laboratory results are listed in Appendix 7).



DRILL LOG

HOLE NO. WT4

SHEET NO. 1 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	80	ELEVATION(m)	13.55			
SITE	Ph Kham, Srok Puork	COORDINATION	X:	Y:	INCLINATION:90°	RIG	THS-88		
AVERAGE CORE RECOVERY		78.1%	DATE	5/5/97 - 9/5/97		DRILLED	SiamTone	LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value	Spontaneous(mV) Short normal( $\Omega/m$ ) Long normal( $\Omega/m$ ) Natural Gamma(cps)
	2		Silty sand		Grayish brown silty sand. Loose.			 0 50mV
	4		Sand		Brown, fine sand. Very loose.			
	6							
	8				Light yellowish brown, fine sand.			
	10		Silty sand		Loose. Medium dense. Cylindric core.			
	12				Core loss at 11.0~11.7m and 12~14.2m.			
	14							
	16				14.2~26.5m: Light gray m. to c. sand. Consolidated.			
	18		Silt(stone)		All cylindric core.			
	20				Light gray medium sand(stone). Hard and cylindric core.			
	22				23-26.5m: Core loss.			
	24				22.4m: Laterite.			
	26				26.5-29.5m: Gray silty clay.			
	28		Clayey Sand(stone)		Light pinkish gray, clayey sand(stone). Cylindric core.			
	30				33.0~33.7m: Core loss.			
	32							
	34				Clay lense from old surface. Gravelly. Slight plasticity.			
	36							
	38				Lighy gray with yellowish brown patches, silty to sandy claystone. Highly plasticity.			
	40							
	42		Sandy Claystone		39.0~42.5m: Light gray claystone. No coarse matrix. All cylindric core.			
	44							
	46				42.5~54.55m: Light gray sandy claystone.			
	48				Gravelly claystone at 46~46.8 m.			
	50				Light gray sandy to silty clay stone. All cylindric core.			

DRILL LOG

HOLE NO. WT4

SHEET NO. 2 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	80	ELEVATION(m)	13.55			
SITE	Ph Kham, Srok Puork	COORDINATION	X:	Y:	INCLINATION	RIG	THS-88		
AVERAGE CORE RECOVERY		78.1%	DATE	5/5/97 - 9/5/97		DRILLED	SiamTone	LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value	Geophysical Data					
								Spontaneous(mV)	Short normal( $\Omega/m$ )	Long normal( $\Omega/m$ )	Natural Gamma(cps)		
	52				50~51.5m: Reddish light gray claystone.								
	54				All clindric core.								
	56			→	Weathered boulder at 53~54.5m.								
	58			→	Light reddish laterite.								
	60		Claystone with Boulders		Gray, sandy claystone at 61.2~61.5m.								
	62				Laterite(Red claystone) at 58.4~59.1m								
	64				All cylindric core.								
	66				70.7m: Laterite patches.								
	68				Basal gravels at 71.7m.								
	70												
	72												
	74				Light green to gray, decomposed rock(Old surface soil).								
	76		Weathered Tuff		Weathered altered, rhyolitic tuff with light green clay matrix.								
	78				Highly fractured.								
	80				79~80m: Core loss. RQD: 8%.								
	82				End of hole 80.00m.								
	84												
	86												
	88												
	90												
	92												
	94												
	96												
	98												
	100												

Note; → Sampling Points(Laboratory results are listed in Appendix 7).

DRILL LOG

HOLE NO. WT5

SHEET NO. 1 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	100	ELEVATION(m)	15.01			
SITE	Water Treatment Plant	COORDINATION	X:	Y:	INCLINATION:90°	RIG	THS-88		
AVERAGE CORE RECOVERY		79.1%	DATE	12/4/97 - 20/4/97		DRILLED	SiamTone	LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value	Spontaneous(mV) Short normal(Ω/m) Long normal(Ω/m) Natural Gamma(cps)	
	2		Silty Sand		Dark gray, partly brown, fine sand. Organic.			0	0
	4		Sand		Brown, fine to medium sand. Loose.			0	0
	6			8.0~8.8m: Yellowish brown, f. to m. sand. Cylindric core.				0	0
	8			Light gray, slightly yellowish fine to medium sand. Dense. Loose.				0	0
	10			Silty Sand		Pale yellowish brown clayey sand. Cylindrical core. Pale brown to slightly red fine sand. Loose. 16-18m: Cylindric core. Medium sand.			0
	12							0	0
	14							0	0
	16							0	0
	18		Clayey sand(stone)		Reddish brown f. to m.sand. Cylindric core at 20~21m, 22~23m and 26~27m. Light gray sand(stone). Medium dense. Pale reddish gray clayey sand. Cylindric core. Pale reddish brown fine to medium sand. Loose. 29~30m: Pale brown fine sand. Cylindric core. 31~33.5m: Yellowish brown clayey sand. Medium to fine grains. Cylindrical core. Pale yellowish brown m. to c. sand(stone). Cylindric core. 40~41.6m: Yellowish brown coarse sand(stone). Consolidated. High dense. 42~43m: Yellowish gray clay sand(stone). Cylindrical core. Pale red, f. to m. sand. Loose.			0	0
	20							0	0
	22							0	0
	24							0	0
	26							0	0
	28							0	0
	30							0	0
	32							0	0
	34							0	0
	36							0	0
	38		Siltstone		Gray to dark brown fine sandstone. Cylindric core.			0	0
	40							0	0
	42							0	0
	44	-30.0		Silty Claystone					0
	46							0	0
	48							0	0
	50							0	0

DRILL LOG

HOLE NO. WT5

SHEET NO. 2 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	100	ELEVATION(m)	15.01			
SITE	Water Treatment Plant	COORDINATION	X:	Y:	INCLINATION	RIG	THS-88		
AVERAGE CORE RECOVERY		79.1%	DATE	12/4/97 - 20/4/97		DRILLED	SiamTone	LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value	Geophysical Data						
								Spontaneous(mV)	Short normal( $\Omega/m$ )	Long normal( $\Omega/m$ )	Natural Gamma(cps)			
	52		Silty Sandstone		51~54.0m: Pale gray siltstone to fine sandstone. Slightly soft.									
	54		Clayey Sandstone											
	56		Sandstone		54.0~60.0m: Pale brown to light gray sandstone. Very hard. Cylindric core.									
	58		Sandstone											
	60													
	62		Claystone		White to pale gray hard claystone. Cylindric core.									
	64													
	66				Brown, partly orangish brown, fine to coarse sandstone. Very dense. All cylindric core.									
	68		Sandstone											
	70													
	72				72~81m: Light gray siltstone to claystone. Brown, partly reddish brown, siltstone.									
	74													
	76		Siltstone											
	78													
	80		Siltstone		81~83.3m: Brown clayey sandstone. Decomposed.									
	82													
	84		Claystone to Siltstone		83.3~87.3m: Gray claystone to siltstone. Cylindric core. Hard and high dense.									
	86	-72.2												
	88													
	90		Clayey Siltstone		87.3~92.15m: Light gray to gray, siltstone. Very hard and high dense. All cylindric core.									
	92													
	94													
	96				Puplish brown, hard sandstone. RQD: 22%.									
	98		Sandstone											
	100	-85.0												

Note; ---▶ Sampling Points(Laboratory data are not completed). END OF HOLE

DRILL LOG

HOLE NO. WT6

SHEET NO. 1 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	80	ELEVATION(m)	32.56			
SITE	TaKOS Primary Sch.	COORDINATION	X:	Y:	INCLINATION:90°	RIG	THS-88		
AVERAGE CORE RECOVERY		82.12%	DATE	23/4/97 - 27/4/97		DRILLED	SiamTone	LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value	Spontaneous(mV) Short normal( $\Omega/m$ ) Long normal( $\Omega/m$ ) Natural Gamma(cps)
	2		Sand		Brown, fine sand.			
	4	Yellowish brown sand. Slightly stiff. Cylindric core.						
	6	Brown, gravelly sand. Loose.						
	8		Silty Sand		Light gray sand. Loose.			
	10	5.4~7.2m and 8.0m: Light yellowish gray silty sand with coarse grains. Stiff.						
	12	7.2~11m: Coarse reddish sand.						
	14	11~12.4m: Gray f. sand.						
	16		Gravelly Sand		12.4~140m: Pale yellowish, gray silty sand(stone).			
	18	14~15.7m: Pale reddish gray sand. Loose.						
	20	15.7~17m: Pale gray clayey sand(stone). Cylindric core.						
	22		Silty Sand		Gray, m. to c. gravelly sand. Medium dense.			
	24	20.2~21m and 22.7~23m: Pale gray clayey sand(stone). Boulders from lower layer.						
	26		Sandy Clay(stone)		21.0~22.7m and 23.0~24.0m Pale reddish gray m. sand.			
	28	24~27.2m: Light gray well consolidated m. sand(stone). Clindric core.						
	30	Light gray with brown to red patches sandy clay(stone). Hard.						
	32		Gravelly Sand(stone)		27.2m~32m: Yellowish brown very hard sandy clay(stone). All cylindric core. Red laterite at 28.4~28.7m and 29.5m.			
	34	Pale reddish gray m.to c. sand. Very dense with gravels of 1~2cm dia.						
	36		Sandy Claystone		Light gray sandy claystone. Red latetite patches at 28.4~28.7m and 29.5m. Pale yellowish gray sandy claystone. High plasticity. Hard.			
	38	Red latetite patches at 35.2m, 38.2m and, 39.3m.						
	40	High plasticity. Hard.						
	42	Pale yellowish gray sandy claystone.						
	44	41.4~41.7m: Soft.						
	46	Mostly cylindric core.						
	48							
	50							

DRILL LOG

HOLE NO. WT6

SHEET NO. 2 OF 2

PROJECT		Siem Reap Water Supply		DEPTH(m)	80	ELEVATION(m)	32.56
SITE		TaKOS Primary Sch.	COORDINATION	X:	Y:	INCLINATION	
AVERAGE CORE RECOVERY		82.12%	DATE	23/4/97 - 27/4/97		DRILLED	SiamTone
			LOGGED				Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	N-value	Spontaneous(mV) Short normal( $\Omega/m$ ) Long normal( $\Omega/m$ ) Natural Gamma(cps)
	52		Sandy Claystone		Brown with pinkish red patches claystone.			
	54				Low plasticity. Semi-consolidated. 52.4~53.3m: Red laterite patches in light gray claystone. All cylindrical core.			
	56		Old Surface Soil		51~52m: Sand dominant red laterite layer.			
	58				54.8m: Basal gravels.			
	60		Shale		Yellowish brown old surface soil (semi-consolidated. High Plasticity. Very stiff.			
	62				58.3~59.5m: Core loss.			
	64				Weathered brown shale.			
	66				65.5~80m: Gray to dark gray shale.			
	68				Slightly weathered.			
	70				Thin calcite veins at 71.5~75.0m.			
	72				RQD: 70-80%.			
	74				RQD: 10% at 74.5~75m.			
	76				Highly Weathered(brown col.) shale			
	78				Bedding plane is 25 dip.			
	80			RQD: 70~80%.				
	82							
	84							
	86							
	88							
	90							
	92							
	94							
	96							
	98							
	100							

Note; Sampling Points(Laboratory results are listed in Appendix 7).

DRILL LOG

HOLE NO. WT7

SHEET NO. 1 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	80	ELEVATION(m)	26.89
SITE	Pradak Primary Sch.	COORDINATION	X:	Y:	INCLINATION:90°	RIG
AVERAGE CORE RECOVERY		81.9%	DATE	22/4/97 - 25/4/97	DRILLED	SiamTone
					LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value	Spontaneous(mV)	Short normal( $\Omega/m$ )	Long normal( $\Omega/m$ )	Natural Gamma(cps)
	2		Silty Sand		Brownish gray, f. to m. sand. Very loose.			0 50mV			
	4				Light gray sand. Loose.						
	6				4.4~5m and 6~7m: Boulder of light gray, gravelly to silty sand(Stone).						
	8										
	10			Silt(stone)	11~12m: Silty to clayey sand.						
	12			Sand	13.1~13.6m and 14.0~15.0m: Boulder of light gray clayey sand(stone).						
	14			Silt(stone)	light gray m. to c.sand. Loose.						
	16			Sand							
	18			Silt(stone)	16~17, 18.5~19m and 19.5~20m: Boulders of clayey sand (stone).						
	20			Sand							
	22		Silt(stone)		21.0~27.4m: White silt(stone) All cyclic core. Medium plasticity.						
	24										
	26										
	28			Coarse Sand	27.4~30.9m: Clay(stone)with very coarse grains containing.						
	30		Sandy Clay(stone)		White to light gray, sandy claystone with very coarse grains.						
	32										
	34		Sandy Claystone		Light gray sandy claystone.						
	36				35.2m: Red patch(laterite).						
	38				37.1m: Limonite. Cylindric core.						
	40				Light gray with pinkish brown patches, sandy claystone. High plasticity. Hard. All cylindric core.						
	42										
	44				43.2m: Red patch(laterite).						
	46										
	48				Light gray sandy claystone . All cylindric core. Hard. High plasticity.						
	50										

DRILL LOG

HOLE NO. WT7

SHEET NO. 2 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	80	ELEVATION(m)	26.89			
SITE	Pradak Primary Sch.	COORDINATION	X:	Y:	INCLINATION	RIG	THS-88		
AVERAGE CORE RECOVERY		81.9%	DATE	22/4/97 - 25/4/97		DRILLED	SiamTone	LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value	Geophysical Data			
								Spontaneous(mV)	Short normal( $\Omega/m$ )	Long normal( $\Omega/m$ )	Natural Gamma(cps)
	52		Sandy Claystone		55-56.6m: Core loss.						
	54	56.6m and 59.3m~59.5m: Red laterite.									
	56	Light gray sandy claystone.									
	58	All cylindrical core. High plasticity.									
	60	61-63m: Core loss.									
	62	63m, 63.8m, 64-64.2m and 64.5-65m: Red laterite intercalated.									
	64	Gray claystone.									
	66	Greenish gray claystone									
	68	65.2m and 65.5m: Red laterite layer (t=5cm) intercalated.									
	70	Old Surface Soil			Yellowish brown, completely weathered soil of old surface.						
	72	Weathered Shale with Sandstone Intercalation		Moderately weathered shale and sandstone.							
	74			30 dip with gray thin sandstone bedding(t=1~2cm).							
	76	Slightly weathered Shale with Sandstone Intercalation		RQD: 10%.							
	78										
	80										
	82			End of hole							
	84										
	86										
	88										
	90										
	92										
	94										
	96										
	98										
	100										

Note; —▶ Sampling Points(Laboratory results are listed in Appendix 7).



DRILL LOG

HOLE NO. WT8

SHEET NO. 1 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	95	ELEVATION(m)	17.91			
SITE	Ph Tram Neak	COORDINATION	X:	Y:	INCLINATION:90°	RIG	THS-88		
AVERAGE CORE RECOVERY		79.4%	DATE	15/4/97 - 19/4/97		DRILLED	SiamTone	LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value	— Spontaneous(mV) — Short normal( $\Omega/m$ ) — Long normal( $\Omega/m$ ) — Natural Gamma(cps)
	2		Silty Sand		Dark gray, partly brown, fine silty sand. Organic.			
	4				Reddish brown coarse sand. Loose.			
	6							
	8				8.0~10m: Light gray medium sand. High dense.			
	10		Coarse Sand		Light reddish gray, coarse sand.			
	12							
	14				14.4~14.8m: Boulder.			
	16				16.2-17m: Boulder from lower layer(pale brown sandstone).			
	18							
	20				17.8~20m: Boulder of light gray clayey sand(stone). Very high dense.			
	22		Silty Sand (stone)		Light and yellowish silty sand.			
	24							
	26				25~26m and 28~29m: Loose.			
	28				Light brown clayey sand.			
	30		Sand (stone)					
	32				34~35m: Fine to medium sand. Very dense.			
	34							
	36		Clayey sandstone		Yellowish brown fine to medium sandstone. Very dense.			
	38				All cylindric core.			
	40							
	42				Light gray sandstone with clay matrix.			
	44							
	46				44.7m: Laterite (t=10m).			
	48		Sandy Claystone		Light yellowish to reddish brown sandy claystone.			
	50				49.5~50m: Red laterite patches contains.			

DRILL LOG

HOLE NO. WT8

SHEET NO. 2 OF 2

PROJECT	Siem Reap Water Supply		DEPTH(m)	95	ELEVATION(m)	17.91			
SITE	Ph Tram Neak	COORDINATION	X:	Y:	INCLINATION	RIG	THS-88		
AVERAGE CORE RECOVERY		79.4%	DATE	15/4/97 - 19/4/97		DRILLED	SiamTone	LOGGED	Suzumura

DATE	DEPTH	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	CORE RECOVERY (%)	S.P.T N-value	— Spontaneous(mV) — Short normal( $\Omega/m$ ) — Long normal( $\Omega/m$ ) — Natural Gamma(cps)
	52				50~57.4m: Sandy claystone.			
	54		Sandy Claystone	---	All cylindric core.			
	56	57.4~58m: Sandstone.						
	58				60.7~61.1m and 61.7~62m: Laterite.			
	60			---				
	62				64~65m: Gravelly sandstone.			
	64				Brown partly orangish gray f. to m. sandstone.			
	66							
	68							
	70		Sandstone		72.0~75.2m: Light gray gravelly sandstone.			
	72				All cylindric core.			
	74				Stable sandstone.			
	76							
	78		Gravelly Sandstone	---	Pale yellowish gray, gravelly sandstone. Clayey matrix.			
	80	Very high dense.						
	82		Sandy Claystone	---	Light yellow claystone. Hard.			
	84				Light yellowish brown with reddish brown spots, siltstone. Very high dense.			
	86		Siltstone	---	86.3-88.55m: Light gray sandy claystone to siltstone.			
	88							
	90		Weathered Tuff Breccia	---	Pale gray to green highly weathered tuff breccia.			
	92	Moderately weak.						
	94		Tuff Breccia	---	Moderately fresh, green tuff breccia. Partly purplish brown color and coarse matrix. RQD:27%.			
	96				92-95m: RQD 50%.			
	98				END OF HOLE			
	100							

Note; ---▶ Sampling Points(Laboratory data are not completed).