

STS INSTRUMENTS COMPANY LIMITED

SUMMARY OF TEST RESULTS

PROJECT ก่อสร้างสะพานข้ามแยก ณ ระนอง												LOCATION เขตคลองเตย กรุงเทพมหานคร										
DATE 28/11/2018			BORING No. BH-1				JOB No. 61327					BY CA			OBSERVED W.L. -1.43 m.							
SAMPLE No.	DEPTH		WATER CONTENT %	ATTERBERG LIMIT			WET UNIT WEIGHT t/m ³	SIEVE ANALYSIS					CLASSIFICATION	UNDRAINED SHEAR STRENGTH t/m ²							STANDARD PENETRATION(N) (blow/ft)	
	M.			%				% FINER						UNCONFINED		TORVANE		UU	POCKET PENETRATION			
	FROM	TO		LL.	PL.	PI.		No. 3/8"	No. 4	No. 10	No. 40	No. 200		SHEAR		SHEAR		TEST				
													Qu/2	Qu'/2	Qv	Qv'	Su	1/2Qp				
SS-01	1.50	1.90	13.3					100	99	95	71	20	SM							24		
SS-02	3.00	3.45	49.4							100	99	99	CH						2.5	4		
ST-03	4.50	5.00	59.3				1.61						CH	1.17	0.61	1.70			0.5			
ST-04	6.00	6.50	51.0				1.69						CH	1.75	0.28	1.50			0.5			
ST-05	7.50	8.00	58.5	69.5	22.8	46.7	1.63			100	99	92	CH	1.62	0.47	1.60		2.43	0.5			
ST-06	9.00	9.50	75.4				1.57						CH	2.86	0.57	2.25			0.8			
ST-07	10.50	11.00	76.1				1.58						CH	2.71	0.47	2.25			0.8			
ST-08	12.00	12.50	59.5	70.7	28.3	42.4	1.68					100	CH	2.98	0.61	2.21		2.80	1.3			
ST-09	13.50	14.00	58.9				1.69						CH	3.53	0.70	2.25			1.3			
ST-10	15.00	15.50	51.9				1.72						CH	3.89	0.80	2.80			1.8			
SS-11	16.50	16.95	26.9				1.98						CH	11.00					11.3	18		
SS-12	18.00	18.45	31.6	72.3	30.6	41.7							CH						5.0	14		
SS-13	19.50	19.95	25.0				2.03						CH	14.98					10.0	16		
SS-14	21.00	21.45	19.7				2.08						CH						13.8	25		
SS-15	22.50	22.95	20.8				2.10						CH						18.8	31		
SS-16	24.00	24.45	24.0				2.04			100	99	96	CH						15.0	25		
SS-17	25.50	25.95		(No Recovery)									(SM)							56		
SS-18	27.00	27.45	23.0							100	99	35	SM							53		
SS-19	28.50	28.95	21.8							100	99	24	SM							28		
SS-20	30.00	30.45	24.1				2.03			100	99	96	CH						18.8	30		
SS-21	31.50	31.95	24.6				2.04						CH	15.41					22.5+	36		

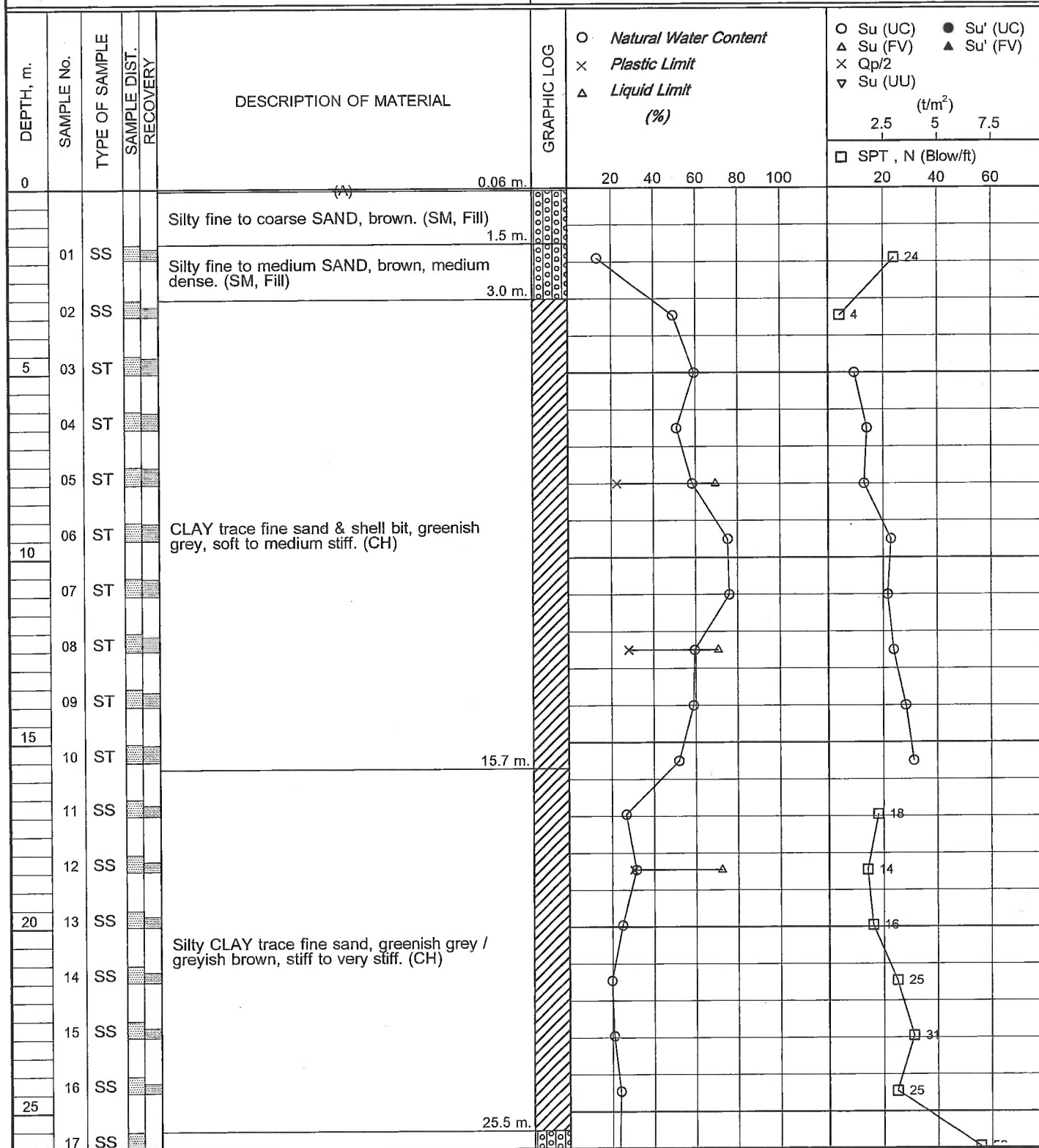
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SAMPLE No.	DEPTH		WATER CONTENT %	ATTERBERG LIMIT			WET UNIT WEIGHT t/m ³	SIEVE ANALYSIS					CLASSIFICATION	UNDRAINED SHEAR STRENGTH t/m ²						STANDARD PENETRATION(N) (blow/ft)	
	M.			%				% FINER						UNCONFINED	TORVANE		UU	POCKET PENETRATION			
	FROM	TO		LL.	PL.	PI.		No. 3/8"	No. 4	No. 10	No. 40	No. 200		SHEAR	SHEAR		TEST				
													Qu/2	Qu'/2	Qv	Qv'	Su	1/2Qp			
SS-22	33.00	33.45	26.2				1.94						CH						13.8	25	
SS-23	34.50	34.95	28.4	62.8	25.7	37.1	2.01						CH						15.0	29	
SS-24	36.00	36.45	21.8				1.96						CH						15.0	26	
SS-25	37.50	37.95	20.2										CH						22.5+	41	
SS-26	39.00	39.45	21.2				2.12				100	96	CH						22.5+	38	
SS-27	40.50	40.95	17.7								100	65	CL							61	
SS-28	42.00	42.45	23.2							100	99	26	SC							59	
SS-29	43.50	43.95	19.5								100	27	SM							71	
SS-30	45.00	45.30	19.3							100	77	13	SM							50/6"	
SS-31	46.50	46.95	16.4										SM							73	
SS-32	48.00	48.45	12.8							100	55	19	SM							72	
SS-33	49.50	49.95	16.1										SM							43	
SS-34	51.00	51.45	10.4					100	99	90	39	17	SM							31	
SS-35	52.50	52.95		(No Recovery)									(SM)							30	
SS-36	54.00	54.45	13.0										SM							39	
SS-37	55.50	55.95	14.7					100	99	99	62	16	SM							63	
SS-38	57.00	57.45	23.2				2.03	100	99	97	88	68	CL							14	
SS-39	58.50	58.95	11.3					100	97	92	54	17	SM							78	
SS-40	60.00	60.45	22.0					100	99	97	46	13	SM							45	

LOCATION : เขตคลองเตย กรุงเทพมหานคร

GRAPHIC LOG	○ <i>Natural Water Content</i>	○ Su (UC)	● Su' (UC)
	× <i>Plastic Limit</i>	△ Su (FV)	▲ Su' (FV)
	△ <i>Liquid Limit</i>	× Qp/2	▽ Su (UU)
	(%)		(t/m ²)
	20 40 60 80 100	2.5 5 7.5	
		□ SPT, N (Blow/ft)	20 40 60



WL. -1.43 m. *24 Hrs.
After Boring*

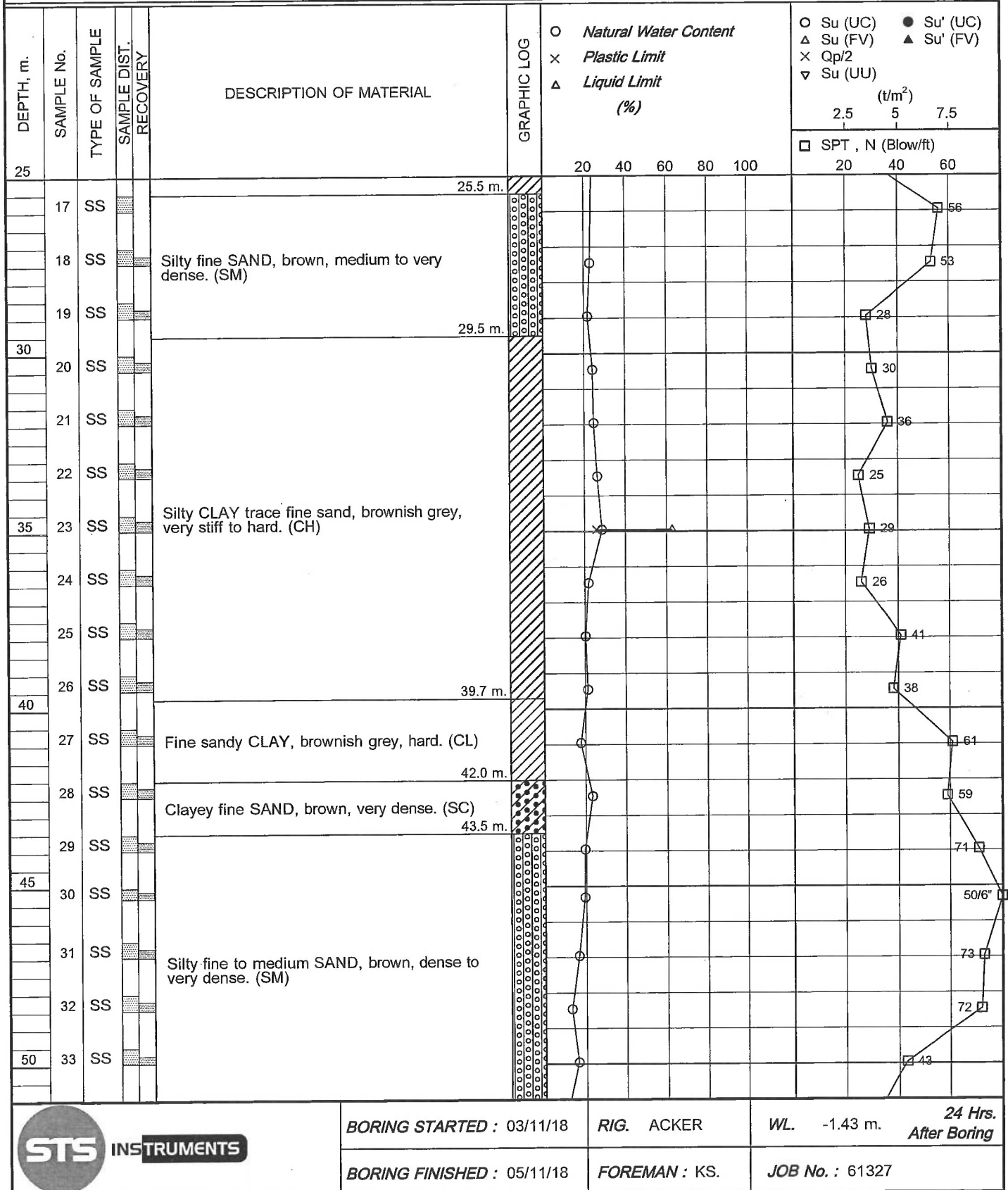
JOB No. : 61327

LOG OF BORING No. BH-1

PROJECT : ก่อสร้างสะพานข้ามแยก ณ ระนอง

LOCATION : เขตคลองเตย กรุงเทพมหานคร

CLIENT :



LOG OF BORING No. BH-1						
PROJECT : ก่อสร้างสะพานข้ามแยก ณ ระนอง				LOCATION : เขตคลองเตย กรุงเทพมหานคร		
CLIENT :						
DEPTH, m.	SAMPLE No.	TYPE OF SAMPLE	SAMPLE DIST. RECOVERY	DESCRIPTION OF MATERIAL	GRAPHIC LOG	○ <i>Natural Water Content</i> × <i>Plastic Limit</i> △ <i>Liquid Limit (%)</i> ○ Su (UC) ● Su' (UC) △ Su (FV) ▲ Su' (FV) × Qp/2 ▽ Su (UU) (t/m²) 2.5 5 7.5 □ SPT, N (Blow/ft) 20 40 60
50						
	34	SS		Silty fine to medium SAND, brown, dense to very dense. (SM)		
	35	SS				
	36	SS				
55	37	SS				
				56.5 m.		
	38	SS		Fine sandy CLAY, grey, stiff. (CL)		
	39	SS		58.5 m.		
60	40	SS		Silty fine to medium SAND, grey, dense to very dense. (SM)		
				(A) Brick block worm.		
				END OF BORING		
65						

	BORING STARTED : 03/11/18	RIG. ACKER	WL. -1.43 m.	24 Hrs. After Boring
	BORING FINISHED : 05/11/18	FOREMAN : KS.	JOB No. : 61327	