

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MRW - 27**PROJECT: **Pasig-Marikina River Channel Imp. Proj.**LOCATION: **R. Side Offshore, Sto. Niño, Marikina**ID: **BMRW-27** DATE DRILLED: **16 - 17 January 2001**GROUND ELEV.
(MLLW = Zero Datum) **+ 10.713**STATION NO.: **14 + 515**WEATHER: **FAIR**DEPTH OF WATER: **1.80** m.DATE MEASURED: **16 Jan. 2001**TIME MEASURED: **9:00 AM**COORDINATES: **1619981.500** N, **509470.650** E

SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE) 10 20 30 40 50	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE			
						15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN %	4	10	40	200
SS-1	100		GC		Sandy Clayey GRAVEL; grayish brown; 61% angular to sub-angular gravel; 13% sand and 26% high plasticity clay; MEDIUM DENSE.	5	6	8		30	55	30	2.65				39	38	34	28
SS-2	89					6	9	9												
SS-3	100				Sandy Silty CLAY; grayish brown; 6% sub-angular to sub-rounded gravel; 34% fine to coarse sand; 60% high plasticity clay; VERY STIFF.	7	8	15		28	63	36	2.61				94	87	77	60*
SS-4	89					18	18	12												
SS-5	89					7	7	7												
SS-6	89		CH		Gravelly Sandy CLAY; grayish brown; 18-29% sub-rounded to angular gravel; 26-35% coarse to fine sand; 45-47% high plasticity clay; VERY STIFF.	8	8	8		37	74	46	2.63				71	62	52	45
SS-7	89					7	8	7		38	75	48	2.63				82	68	57	47
SS-8	89					6	9	10												
SS-9	89				Sandy Silty CLAY; grayish brown; 11% fine sand; 4% gravel; 80% high plasticity clay; VERY STIFF.	8	11	13		36	75	50	2.61				96	94	91	80*
SS-10	89					8	12	13												
SS-11	83		SM		Gravelly Silty SAND; yellowish brown to brown; 9-20% gravel; 44-62% coarse to fine sand; 29-36% non-plastic silt; VERY DENSE.	50 30	15			48			2.64				80	69	52	38
SS-12	67					50 30	15			36			2.63				91	75	49	29
CR-1	42			12	Tuffaceous SANDSTONE; light gray; contains gravel-sized pumice clasts; moderately weathered; broken; Moderately SOFT.	CORING									42.382	1.618				
CR-2	50		ST	15		CORING									57.716	2.064				
CR-3	47			14		CORING									23.299	1.670				
SS-13	89		SM		Silty SAND; brownish gray; non plastic silt; 10% medium sand; 65% fine sand; DENSE.	15	18	18		58			2.63				100	90	25	
SS-14	89					13	15	18												
CR-4	35		ST	0	Tuffaceous SANDSTONE; light gray; contains gravel-sized pumice clasts; moderately weathered; broken; SOFT.	CORING														
CR-5	26			0		CORING														
SS-15	89		SM		Silty SAND; brownish gray; 18% coarse sand; 35% medium fine sand; 28% fine sand; 18% non-plastic silt; DENSE.	16	21	22		54			2.63				99	81	46	18

End of Borehole (20.00 m)

BASIC TECHNOLOGY AND MANAGEMENT CORPORATION
2nd Floor Prudential Bank Building,
1377 A. Mabini St., Ermita, Manila

MACHINE: **ACKER ACE**
DRILLER: **J. MADERA**
I. LUENGAS
SUPERVISOR: **M. ESTAUURA**
M. VILLAFUERTE

LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
W/ HYDROMETER ANALYSIS

Figure 5-3-3 (196/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MRW-28**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**
 LOCATION: **R. Side Offshore, Malanday, Marikina**
 NO: **BMRW-28** DATE DRILLED: **18 - 19 January 2001**

GROUND ELEV.
 (MLLW = Zero Datum) **+ 11.295**
 STATION NO.: **15 + 100**
 WEATHER: **FAIR**

DEPTH OF WATER: **1.50** m.
 DATE MEASURED: **18 Jan. 2001**
 TIME MEASURED: **8:00 AM**

COORDINATES: **16 20515.750** N, **509674.755** E

SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)					NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE			
						15 cm	15 cm	15 cm	10	20	30	40	50			LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN N. %	4	10	40	200
SS-1	89				Sandy CLAY; grayish brown; 34-40% fine sand; 59-65% low to medium plasticity clay; STIFF.	2	4	6						37		48	24	2.61				100	99	65*
SS-2	89					4	4	6																
SS-3	89					2	5	6						35		44	20	2.61				100	99	59*
SS-4	78					6	6	6																
SS-5	100			CL		3	5	8																
SS-6	89				Sandy CLAY; brown; 31% fine sand; 68% medium plasticity clay; VERY STIFF.	10	13	17						41		47	21	2.61				100	99	68*
SS-7	93					7	9	11																
SS-8	89				Sandy CLAY; brown; 23% medium to fine sand; 69% medium plasticity clay; VERY STIFF to HARD.	14	14	16																
SS-9	89					12	13	15						36		45	22	2.61			96	92	80	69*
SS-10	78					7	10	22																
SS-11	93				Silty SAND; brown; 42% medium sand; 39% fine sand; 15% non-plastic silt; DENSE to VERY DENSE.	14	20	26																
SS-12	89					15	24	27						19				2.63			99	96	54	15
SS-13	100					21	29	5																
SS-14	71			SM	Silty SAND; gray; 5% gravel; 33% medium sand; 33% fine sand with only 5% coarse sand; 24% non-plastic silt; DENSE to VERY DENSE.	19	27	5																
SS-15	82					14	16	26						28				2.63			95	90	57	24
SS-16	86					22	25	5																
SS-17	91				End of Borehole (16.88 m)	30	40	3																
SS-18																								
SS-19																								
SS-20																								



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I. LUENGAS
 SUPERVISOR: **M. ESTAURA**
M. VILLAFUERTE

LEGEND:



SS - SPLIT SPOON SAMPLE
 WS - WASH SAMPLE
 UDS - UNDISTURBED SAMPLE
 CR - CORE SAMPLE
 * - HYDROMETER ANALYSIS

Figure 5-3-3 (197/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 1a

PROJECT: Pasig-Marikina River Channel Imp. Proj.

GROUND ELEV.
(MLLW = Zero Datum) + 12.710

DEPTH OF WATER: 1.00 m.

LOCATION: Right Bank, Roxas Bridge, Manila

STATION NO.: 0 + 725

DATE MEASURED: 05 Dec. 2000

BH NO: BR-1 DATE DRILLED: 27 Nov. - 02 Dec. 2000

WEATHER: FAIR

TIME MEASURED: 8:00 AM

COORDINATES: 1614338.547 N, 496310.213 E

DEPTH, m	SAMPLE NO.	RECOVERY (%)	SAMPLE LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE) 10 20 30 40 50	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE				
							15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN W _L , %	4	10	40	200	
1	SS-1	100		SM		Silty SAND; brown; 60% fine to medium sand with 9% coarse sand and 9% gravel; 20% non-plastic silt; DENSE.	9	16	20		22			2.63			91	82	56	22		
2	SS-2	44		SW		Gravelly SAND; dark gray; coarse to medium sand with sub-angular gravel and small amount of fine sand and non-plastic silt; MED. DENSE.	8	20	20													
3	SS-3	78		SM		Silty SAND; dark gray; 52% fine to medium sand with 11% coarse sand and 10% gravel; 30% non-plastic fines; MEDIUM DENSE.	13	13	8					2.63			93	82	59	30		
4	SS-4	44		SM			8	27	8		48											
5	SS-5	56					2	5	5													
6	SS-6	100					2	1	1													
7	UDS-1	100					PRESSED				46	1.54	73	49	2.60	Cc 0.465 Pc 1.450	0.62	2.29	100	99	99	90*
8	SS-7	100					1	1	1		75		74	45	2.60				100	99	98	
9	SS-8	100					1	1	1													
10	UDS-2	100					PRESSED				65	1.51	74	53	2.60	Cc 0.880 Pc 1.600				100	98*	
11	SS-9	100					1	2	1													
12	SS-10	100		CH		Silty CLAY; dark gray; 90-98% very high plasticity clay; contains some shell fragments; VERY SOFT to SOFT.	1	1	1		74		72	57	2.60	Cc 0.650 Pc 0.550			97	96	92	90
13	UDS-3	100					PRESSED				79	1.49	80	54	2.60	0.1113	7.429	97	94	92	88*	
14	SS-11	100					1	0	1													
15	SS-12	100					1	0	1													
16	SS-13	100					1	2	1		90		77	53	2.60			98	94	92	88	
17	SS-14	100					3	2	2													
18	SS-15	100					7	2	2													
19	SS-16	100					2	2	1		97		79	56	2.60			100	99	98	97	
20	SS-17	100				Poorly Graded SAND; dark gray; 71% fine sand; 19% non-plastic fines; 9% medium sand; DENSE to VERY DENSE.	3	14	15													



BASIC TECHNOLOGY AND MANAGEMENT CORPORATION
2nd Floor Prudential Bank Building,
1377 A. Mabini St., Ermita, Manila

MACHINE: ACKER ACE

DRILLER: R. DAWI

SUPERVISOR: M. ESTAURA

LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
* W/ HYDROMETER ANALYSIS

Figure S-3-3 (198/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 1b

PROJECT: Pasig-Marikina River Channel Imp. Proj.GROUND ELEV.
(MLLW = Zero Datum) + 12.710DEPTH OF WATER: 1.00 m.LOCATION: Right Bank, Roxas Bridge, ManilaSTATION NO.: 0 + 725DATE MEASURED: 05 Dec. 2000BH NO: BR-1 DATE DRILLED: 27 Nov. - 02 Dec. 2000WEATHER: FAIRTIME MEASURED: 8:00 AMCOORDINATES: 1614338.547 N, 496310.213 E

DEPTH, m	SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE)	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE			
							15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN %	4	10	40	200
21	SS-18	67		SP		Poorly Graded SAND; dark gray; 71% fine sand; 19% non-plastic fines; 9% medium sand; DENSE to VERY DENSE.	8	20	25												
22	SS-19	44					6	13	26			54			2.63			100	99	90	19
23	SS-20	44					20	22	32												
24	SS-21	100				Gravelly SAND; dark gray; sub-angular gravel with coarse sand and shell fragments; VERY DENSE.	42	32	18/5												
25	SS-22	44		CH		Silty CLAY; creamy brown; 75-90% medium to high plasticity clay; 6-14% fine sand; presence of pea-size gravel; VERY DENSE.	16	24	30			56	63	42	2.60			98	97	95	89
26	SS-23	44					9	25	27												
27	SS-24	33					20	26	30												
28	SS-25	44					18	24	37			47	53	28	2.61			94	92	90	76
29	SS-26	56		SM		Silty SAND; light brown; 82% fine to coarse sand; 16% silty fines; traces of gravel; VERY DENSE.	23	25	27												
30	SS-27	44					28	30	25			28			2.63			98	81	35	16
31						END OF BOREHOLE (30.00 m)															
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39																					
40																					



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LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
W/ HYDROMETER ANALYSIS

Figure 5-3-3 (199/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 2a

PROJECT: Pasig-Marikina River Channel Imp. Proj.

GROUND ELEV.
(MLLW = Zero Datum) + 12.550

DEPTH OF WATER: 0.50 m.

LOCATION: Right Bank, Quezon Bridge, Manila

STATION NO.: 2 + 475

DATE MEASURED: 01 Dec. 2000

BH NO: BR-2 DATE DRILLED: 28 Nov. - 01 Dec. 2000

WEATHER: FAIR

TIME MEASURED: 8:00 AM

COORDINATES: 1614217.918 N, 497987.773 E

DEPTH, m	SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE) 10 20 30 40 50	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE			
							15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN %, %	4	10	40	200
1	SS-1	56		SW	SM	Gravelly SAND; brownish gray; 67% fine to coarse sand; 22% sub-angular gravel; 11% slightly plastic fines; higher N-Value at 2m depth (could be due to gravel concentration); LOOSE to DENSE.	3	2	2		43				2.63			78	61	29	11
2	SS-2	67		SW	SM		3	13	16												
3	SS-3	56					3	3	1												
4	SS-4	89		SC		Clayey SAND; dark gray; sand-clay mixtures with 11% sub-angular gravel; VERY LOOSE.	1	0	1		61				2.62			89	80	62	48
5	SS-5	44		SC			1	1	1												
6	SS-6	67					1	1	1												
7	SS-7	78		SM		Silty SAND; dark gray; 70% fine to medium sand with some coarse sand and gravel and 19% silt; MEDIUM DENSE.	8	9	10		29				2.63			97	89	60	19
8	SS-8	67					6	10	14												
9	SS-9	44		CH		Silty CLAY; dark gray; 80-93% very high plasticity clay and 10-19% fine to coarse sand; VERY SOFT.	1	1	0												
10	SS-10	67		CH			1	0	0		63	74	40	2.61				99	91	85	80
11	UDS-1	56					PRESSED				59	1.53	81	56	2.60	0.65	8.57	100	99	97	93*
12	SS-11	67		SM		Silty SAND; dark gray; mostly fine sand with non-plastic silt; MEDIUM DENSE.	6	9	3												
13	SS-12	67					3	1	0												
14	UDS-2	100				Silty CLAY; dark gray; 90-92% very high plasticity silty clay with 10% fine to coarse sand; VERY SOFT.	PRESSED				108	1.40	79	51	2.60						
15	SS-13	89					1	0	1		94		77	52	2.60						
16	SS-14	89		CH			2	0	2												
17	SS-15	89					3	0	2												
18	SS-16	89				Sandy CLAY; dark gray; 60% high plasticity clayey fines with 35% fine sand and traces of shell fragments; VERY SOFT to FIRM.	2	1	2		53		66	44	2.61						
19	SS-17	89					4	4	5												
20	SS-18	89				Silty CLAY; (same description below)	4	5	9												



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MACHINE: ACKER ACE

DRILLER: E. RIEZA

SUPERVISOR: M. Estaura

LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
* - HYDROMETER ANALYSIS

Figure 5-3-3 (200/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 2b

PROJECT: Pasig-Marikina River Channel Imp. Proj.GROUND ELEV.
(MLLW = Zero Datum) + 12.550DEPTH OF WATER: 0.50 m.LOCATION: Right Bank, Quezon Bridge, ManilaSTATION NO.: 2 + 475DATE MEASURED: 01 Dec. 2000BH NO: BR-2 DATE DRILLED: 28 Nov. - 01 Dec. 2000WEATHER: FAIRTIME MEASURED: 8:00 AMCOORDINATES: 1614217.918 N, 497987.773 E

DEPTH, m	SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE) 10 20 30 40 50	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE			
							15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN %	4	10	40	200
21	SS-19	89		CH		Silty CLAY; greenish gray; 75% medium to high plasticity clay; 15% pea-size gravel and 10% fine to coarse sand; STIFF to VERY STIFF.	10	8	5		39	59	33	2.61				85	82	80	75
22	SS-20	89					13	10	11												
23	SS-21	67					9	12	18												
24	SS-22	67				Sandy CLAY; yellowish brown; 57% medium to high plasticity clayey fines; 14% fine sand; traces of gravel; VERY STIFF.	13	8	12		35	53	28	2.62				95	95	89	75
25	SS-23	67		SM		Silty SAND; brown; 70% fine to medium sand with some coarse sand and sub-angular gravel; 26% non-plastic silt; MEDIUM DENSE to VERY DENSE.	11	18	24												
26	SS-24	89					10	11	16												
27	SS-25	89					9	11	15		27			2.63				96	88	51	26
28	SS-26	89					13	18	29												
29	SS-27	56					41	35	15/5												
30	SS-28	44					39	38	12/8												
31						End of Boring (30.00 m)															
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39																					
40																					



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LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
* W/ HYDROMETER ANALYSIS

Figure 5-3-3 (201/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 3a

PROJECT: Pasig-Marikina River Channel Imp. Proj.GROUND ELEV.
(MLLW = Zero Datum) + 14.360DEPTH OF WATER: 0.85 m.LOCATION: Right Bank, M. Atienza, MalacañangSTATION NO.: 4 + 720DATE MEASURED: 29 Nov. 2000BH NO: BR-3 DATE DRILLED: 25 - 29 November 2000WEATHER: FAIRTIME MEASURED: 8:00 AMCOORDINATES: 1614415.166 N, 499695.435 E

DEPTH, m	SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE) 10 20 30 40 50	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE					
							15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN M, %	4	10	40	200		
1	SS-1	67		CH		Sandy CLAY; brown; 77% medium to high plasticity clay with 20% fine to medium sand; SOFT.	2	2	2								99	97	89	77			
2	SS-2	67						2	2	1													
3	SS-3	67						3	4	7													
4	UDS-1	67						Sandy CLAY; dark gray; 83% medium to high plasticity clay with 15% fine sand and shell fragments; SOFT.	PRESSED				59	1.55	58	33	2.61	Cc 0.285 0.20	Pc 0.940 8.00	100	99	98	83*
5	SS-4	67		SM			2	2	6														
6	SS-5	67						4	2	2													
7	SS-6	67						4	6	2													
8	SS-7	67						Silty SAND; dark gray; 67% fine to coarse sand; 23% low plasticity clayey silt; 10% gravel with shell fragments; SOFT to FIRM.	2	2	2		50			2.63			90	79	50	23	
9	SS-8	67						3	1	1													
10	SS-9	67		CH			2	1	1														
11	SS-10	67						7	5	4		46	70	49	2.60				100	99	94		
12	SS-11	67						6	3	2													
13	SS-12	67						2	3	2													
14	SS-13	67						3	2	2		73	80	49	2.60			100	99	98	96		
15	SS-14	67						Silty CLAY; dark gray; 90-99% very high plasticity silty clay with very little amount of sand particles; FIRM to STIFF.	2	2	2												
16	SS-15	67						3	4	5													
17	SS-16	78						2	2	1		87	79	40	2.60			97	95	94	90		
18	SS-17	67						4	3	3													
19	SS-18	78						3	3	2													
20	SS-19	67						3	2	2		60	78	51	2.60						100	98	



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LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
W/ HYDROMETER ANALYSIS

Figure 5-3-3 (202/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 3b

PROJECT: Pasig-Marikina River Channel Imp. Proj.

GROUND ELEV.
(MLW = Zero Datum) + 14.360

DEPTH OF WATER: 0.85 m.

LOCATION: Right Bank, M. Atienza, Malacañang

STATION NO.: 4 + 720

DATE MEASURED: 29 Nov. 2000

BH NO: BR-3 DATE DRILLED: 25 - 29 November 2000

WEATHER: FAIR

TIME MEASURED: 8:00 AM

COORDINATES: 1614415.166 N, 499695.435 E

DEPTH, m	SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE)	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE			
							15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN %	4	10	40	200
21	SS-20	67		CH		Silty CLAY; dark gray; 90-99% very high plasticity clay with very little amount of sand particles; FIRM to STIFF.	3	2	2												
22	SS-21	67		CH			4	4	4												
23	SS-22	67		CH			2	3	3		65	76	50	2.60				100	99	97	
24	SS-23	56		CH			2	5	13												
25	SS-24	67		CH			3	4	3												
26	SS-25	67		CH			5	4	6		56	73	48	2.60				100	99	99	
27	SS-26	56		SM		Silty SAND; dark gray; 78% sand (mostly medium size) with 7% gravel and 15% non-plastic silt; STIFF to VERY STIFF.	8	6	7												
28	SS-27	67		SM			7	7	7												
29	SS-28	78		SM			10	7	9		27			2.63				93	75	26	15
30	SS-29	78		SM			10	12	14												
31	CR-1	50		TS	47	Tuffaceous SANDSTONE; brown to dark gray; gravelly; broken rock cores; VERY HARD.	CORING														
32	CR-2	50		TS	50		CORING														
33	CR-3	50		TS	50		CORING														
34	CR-4	50		TS	49		CORING														
35	CR-5	57		SS	48	SILTSTONE; dark gray; broken cores; VERY HARD.	CORING														
36						END OF BOREHOLE (35.00 m)															
37																					
38																					
39																					
40																					



BASIC TECHNOLOGY AND MANAGEMENT CORPORATION
2nd Floor Prudential Bank Building,
1377 A. Mabini St., Ermita, Manila

MACHINE: ACKER ACE

DRILLER: R. ANDO

SUPERVISOR: M. Estaura

LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
* W/ HYDROMETER ANALYSIS

Figure 5-3-3 (203/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 4

PROJECT: Pasig-Marikina River Channel Imp. Proj.LOCATION: R. Bank, PUP Compound, Sta. MesaBH NO: BR-4 DATE DRILLED: 29 Nov. - 02 Dec. 2000GROUND ELEV.
(MLLW = Zero Datum) + 14.340STATION NO.: 6 + 065WEATHER: FAIRDEPTH OF WATER: 1.10 m.DATE MEASURED: 02 Dec. 2000TIME MEASURED: 8:00 AMCOORDINATES: 1614310.188 N, 501010.741 E

DEPTH, m	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE) 10 20 30 40 50	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/ccs	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE			
							15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN %, %	4	10	40	200
1	SS-1	22		SM		Silty SAND; dark gray; 29% slightly plastic silt; 55% fine to coarse sand; 15% gravel with shell fragments; LOOSE.	3	4	5		39				2.63			84	64	39	29
2	SS-2	89		CH		Silty CLAY; dark gray; 89-90% high plasticity silty clay with 8-9% fine sand; SOFT.	1	1	2												
3	SS-3	78					1	1	1												
4	SS-4	78					1	1	1		63		72	39	2.60			100	99	98	89
5	SS-5	78					1	1	1		80		83	55	2.60			99	98	98	90*
6	SS-6	22		SP		Gravelly SAND; dark gray; 80% fine sand with about 10 - 15% gravel and little fines; VERY DENSE.	22	35	10												
7	CR-1	27		TS	15	Tuffaceous SANDSTONE; dark gray; medium grained; fairly cemented; broken cores; HARD.	CORING														
8	CR-2	37			18		CORING				34	1.85				62.6205	1.425				
9	CR-3	60			40		CORING														
10	CR-4	47			30		CORING														
11	CR-5	47		SS	30	SILTSTONE; brown to dark gray; fine grained; fairly cemented; broken cores; HARD.	CORING														
12	CR-6	67			45		CORING														
13						End of Borehole (15.00 m)															
14																					
15																					
16																					
17																					
18																					
19																					
20																					



**BASIC TECHNOLOGY AND
MANAGEMENT CORPORATION**
2nd Floor Prudential Bank Building,
1377 A. Mabini St., Ermita, Manila

MACHINE: ACKER ACE
DRILLER: I. ANDOYO
SUPERVISOR: M. VILLAFUERTE

LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
* W/ HYDROMETER ANALYSIS

Figure 5-3-3 (204/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 5a

PROJECT: Pasig-Marikina River Channel Imp. Proj.

GROUND ELEV.
(MLLW = Zero Datum) + 14.120

DEPTH OF WATER: 3.80 m.

LOCATION: Right Bank, Punta, Sta. Ana, Manila

STATION NO.: 8 + 825

DATE MEASURED: 28 Nov. 2000

H NO: BR-5 DATE DRILLED: 25 - 28 November 2000

WEATHER: FAIR

TIME MEASURED: 8:00 AM

COORDINATES: 1612820.544 N, 501015.177 E

SAMPLE NO.	RECOVERY (%)	SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE) 10 20 30 40 50	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE			
							15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN M, %	4	10	40	200
1	SS-1	100		CH		Sandy CLAY; brown; 79% high plasticity clay with 15% fine sand; FIRM.	3	3	3		34		62	39	2.61			100	98	94	79
2	UDS-1	100		CL		Sandy to Gravelly CLAY; dark gray; 66% medium to low plasticity clay; 15% fine sand and 13% gravel; FIRM.	PRESSED				41	1.71	45	19	2.61	Cc 0.270	Pc 1.430	87	84	81	66*
3	SS-2	100				Fine SAND; dark gray; 62-92% fine sand; 4-9% medium to coarse sand and 0-14% gravel; with little non-plastic silty fines; LOOSE to MEDIUM DENSE.	4	5	4												
4	SS-3	100					4	6	4												
5	SS-4	89					5	4	5		35				2.64			86	82	77	15
6	SS-5	89		SP			5	4	6												
7	SS-6	78					4	4	4												
8	SS-7	89					5	4	3		33				2.63			100	96	4	
9	SS-8	89					7	6	5												
10	SS-9	89					6	6	5												
11	SS-10	56		SW		Gravelly SAND; dark gray; 84% well-graded sand; 10% gravel; 6% non-plastic fines; MEDIUM DENSE.	7	10	12		15				2.63			90	71	65	6
12	SS-11	100					8	10	13												
13	SS-12	100		CH		Sandy to Silty CLAY; gray; 64-91% high plasticity silty clay with 6-20% fine sand; presence of coarse sand and gavel; VERY SOFT to FIRM.	1	0	1							Cc 0.940	Pc 1.590				
14	UDS-2	100					PRESSED				65	1.43	56	30	2.61	0.25	9.14	95	86	84	64*
15	SS-13	100					2	3	3		94		73	48	2.60			100	99	97	91
16	SS-14	100				Fine to MEDIUM SAND; dark gray; 77% fine to medium sand with 14% non-plastic silt and 8% coarse sand; MEDIUM DENSE.	9	8	8												
17	SS-15	100		SP			7	9	10												
18	SS-16	100					8	8	10		33				2.63			99	91	56	14
19	SS-17	89				Silty SAND; dark gray to gray; fine to coarse sand with shell fragments; MEDIUM DENSE to LOOSE.	7	9	7												
20	SS-18	89		SM			6	4	2												



**BASIC TECHNOLOGY AND
MANAGEMENT CORPORATION**
2nd Floor Prudential Bank Building,
1377 A. Mabini St., Ermita, Manila

MACHINE: KANO

DRILLER: J. MOGUL

SUPERVISOR: M. Estaura

LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
W/ HYDROMETER ANALYSIS

Figure 5-3-3 (205/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 5b

PROJECT: Pasig-Marikina River Channel Imp. Proj.GROUND ELEV.
(MLLW = Zero Datum) + 14.120DEPTH OF WATER: 3.80 m.LOCATION: Right Bank, Punta, Sta. Ana, ManilaSTATION NO.: 8 + 825DATE MEASURED: 28 Nov. 2000WEATHER: FAIRTIME MEASURED: 8:00 AMBH NO: BR-5 DATE DRILLED: 25 - 28 November 2000COORDINATES: 1612820.544 N, 501015.177 E

DEPTH, m	SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE)	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE			
							15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN %	4	10	40	200
21	SS-19	100		SP SM		Silty Fine SAND; dark gray; 50% fine sand; 43% medium plasticity silty fines; MEDIUM DENSE.	5	7	6		56		46	20	2.62			100	97	93	43
22	SS-20	100		CH		Sandy CLAY; dark gray; 67% high plasticity clay with 33% fine sand; STIFF.	6	6	5												
23	SS-21	100					5	6	5												
24	SS-22	100					7	6	8		37		59	32	2.61					100	67
25	SS-23	100		CL		Sandy to Silty CLAY; dark gray; 53-58% low to medium plasticity clay with 39-42% fine sand; VERY STIFF to HARD.	8	7	9												
26	SS-24	100					9	8	10												
27	SS-25	100					8	9	18		42		43	19	2.61			100	99	97	58
28	SS-26	100					19	18	13												
29	SS-27	100					13	16	17												
30	SS-28	100					17	20	23		81		44	18	2.62			100	97	53	
31						END OF BOREHOLE (30.00 m)															
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39																					
40																					



BASIC TECHNOLOGY AND MANAGEMENT CORPORATION
2nd Floor Prudential Bank Building,
1377 A. Mabini St., Ermita, Manila

MACHINE: ACKER ACEDRILLER: J. MOGULSUPERVISOR: M. Estaura

LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
* W/ HYDROMETER ANALYSIS

Figure 5-3-3 (206/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 6

PROJECT: Pasig-Marikina River Channel Imp. Proj.

GROUND ELEV.
(MLLW = Zero Datum) + 13.610

DEPTH OF WATER: 1.00 m.

LOCATION: R. Bank, Castañeda, Namayan, Manila

STATION NO.: 10 + 625

DATE MEASURED: 23 Nov. 2000

WEATHER: FAIR

TIME MEASURED: 2:00 PM

BH NO: BR-6 DATE DRILLED: 21 - 28 November 2000

COORDINATES: 1612650.473 N, 501780.126 E

DEPTH, m	SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE)	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE			
							15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN %	4	10	40	200
1	SS-1	33		SM		Silty SAND; brown; very fine sand with some medium and coarse sand gravel; 44% non-plastic silt; VERY LOOSE.	1	1	2		27				2.63			89	82	71	44
2	SS-2	33					1	1	2												
3	SS-3	33					1	1	2												
4	SS-4	44		SP		Silty Fine SAND; dark gray; 70% fine sand with 29% non-plastic silt; VERY LOOSE to LOOSE.	2	2	2		30				2.63			100	99	29	
5	SS-5	33					3	3	4												
6	SS-6	22					3	4	4												
7	SS-7	33		GW		Sandy GRAVEL; dark gray; 50% sub-angular gravel; 37% medium to coarse sand; MEDIUM DENSE.	5	6	9		10				2.64			50	28	13	6
8	SS-8	22					5	13	8												
9	SS-9	44					6	8	8												
10	SS-10	67		SC		Clayey SAND; gray to greenish gray; sand-clay mixture with 24% sub-angular gravel; MEDIUM DENSE.	5	6	6		25				2.64			76	63	51	40
11	SS-11	67					6	6	8												
12	SS-12	67					6	7	9												
13	SS-13	22		GM		Sandy GRAVEL; light gray; angular gravel with coarse sand; MEDIUM DENSE.	11	6	11		16				2.65			52	42	33	25
14	SS-14	11					16	35	15												
15	CR-1	17			7		CORING														
16	CR-2	25			20		CORING														
17	CR-3	30			33		CORING														
18	CR-4	25			20		CORING														
19	CR-5	20			10		CORING														
20	CR-6	20			18	End of Borehole (20.00 m)	CORING														



BASIC TECHNOLOGY AND MANAGEMENT CORPORATION
2nd Floor Prudential Bank Building,
1377 A. Mabini St., Ermita, Manila

MACHINE: ACKER ACE
DRILLER: R. DAWI
SUPERVISOR: M. VILLAFUERTE

LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
* - HYDROMETER ANALYSIS

Figure 5-3-3 (207/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 7a

PROJECT: Pasig-Marikina River Channel Imp. Proj.

LOCATION: Right Bank, Pinatubo St., (near Guadalupe)

BH NO: BR-7 DATE DRILLED: 20 - 24 November 2000

GROUND ELEV.
(MLLW = Zero Datum) + 14.823

STATION NO.: 14 + 275

WEATHER: FAIR

DEPTH OF WATER: 0.85 m.

DATE MEASURED: 24 Nov. 2000

TIME MEASURED: 7:30 AM

COORDINATES: 1611298.657 N, 504681.567 E

DEPTH, m	SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE) 10 20 30 40 50	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE				
							15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN %	4	10	40	200	
1	SS-1	78		SW		Gravelly SAND; dark gray; 53% coarse to medium sand; with traces of fine sand and 37% gravel; VERY LOOSE to LOOSE.	5	5	3					2.65			64	21	11	5		
2	SS-2	100		SW			4	3	1													
3	SS-3	100		SW			2	3	3													
4	SS-4	100		CH		CLAY; brown; 88-96% high plasticity clay with 4-7% fine sand; FIRM.	2	2	1		47	64	40	2.60					100	96		
5	UDS-1	100					PRESSED				47	1.55	62	43	2.60	Cc 0.395 Pc 0.900	0.54	4.00	100	96	95	88*
6	SS-5	89		GP		Poorly Graded GRAVEL; dark gray; mixture of 41% gravel and 43% coarse sand with 12% non-plastic silt and shell fragments; DENSE.	10	11	13													
7	SS-6	78		GP			9	11	14													
8	SS-7	67					11	12	12		21			2.64			59	16	13	12		
9	SS-8	78				Gravelly Silty SAND; dark gray; 79% well-graded sand; 9% gravel; 12% non-plastic fines; MEDIUM DENSE.	7	6	6													
10	SS-9	67					8	9	10													
11	SS-10	67		SM SW			9	10	11		17			2.63			91	79	49	12		
12	SS-11	67				Silty Gravelly SAND; gray; 65% well graded sand; 20% gravel and 15% non-plastic silt; VERY SOFT to FIRM.	12	15	15													
13	SS-12	100					11	17	18													
14	SS-13	100					12	16	20		13			2.63			80	63	38	15		
15	SS-14	67					6	10	14													
16	SS-15	67		SM SP		Fine to MEDIUM SAND; dark gray; 56% fine to medium sand with 38% non-plastic silt and 4% coarse sand; MEDIUM DENSE.	8	12	16													
17	SS-16	78					9	13	15		34			2.63			98	94	76	38		
18	SS-17	89					7	13	13													
19	SS-18	67					11	16	18													
20	SS-19	78		SP		Silty SAND; dark gray to gray; fine to coarse sand with shell fragments; MEDIUM DENSE to LOOSE.	19	27	23		28			2.63			98	97	88	12		



BASIC TECHNOLOGY AND MANAGEMENT CORPORATION
2nd Floor Prudential Bank Building,
1377 A. Mabini St., Ermita, Manila

MACHINE: ACKER ACE

DRILLER: J. MADERA

SUPERVISOR: M. Estaura

LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
W/ - HYDROMETER ANALYSIS

Figure S-3-3 (208/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 7b

PROJECT: Pasig-Marikina River Channel Imp. Proj.

GROUND ELEV.
(MLLW = Zero Datum) + 14.823

DEPTH OF WATER: 0.85 m.

LOCATION: Right Bank, Pinatubo St., (near Guadalupe)

STATION NO.: 14 + 275

DATE MEASURED: 24 Nov. 2000

WEATHER: FAIR

TIME MEASURED: 7:30 AM

BH NO: BR-7 DATE DRILLED: 20 - 24 November 2000

COORDINATES: 1611298.657 N, 504681.567 E

DEPTH, m	SAMPLE NO.	RECOVERY (%)	SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) (N-VALUE) 10 20 30 40 50	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST STRENGTH kg/cm ²	STRAIN W, %	SIEVE ANALYSIS % PASSING SIEVE			
								15 cm	15 cm	15 cm				LIQUID LIMIT, %	PLASTICITY INDEX, %				4	10	40	200
21	SS-20	89			SM		Silty Fine SAND; (Same as above); MEDIUM DENSE.	14	15	10												
22	SS-21	89			SP		Fine to MEDIUM SAND; dark gray; over 90% fine to medium sand with shell fragments; vevry little fines; MEDIUM DENSE to DENSE.	11	14	24												
23	SS-22	89				10		18	20				21			2.63		99	94	71	2	
24	SS-23	89				13	19	20														
25	SS-24	89					Fine SAND; dark gray; over 90% fine sand with shell fragments; little fines; DENSE.	12	23	24												
26	SS-25	89						12	24	25		31			2.63			100	98	6		
27							END OF BOREHOLE (26.00 m)															
28																						
29																						
30																						
31																						
32																						
33																						
34																						
35																						
36																						
37																						
38																						
39																						
40																						



BASIC TECHNOLOGY AND MANAGEMENT CORPORATION
2nd Floor Prudential Bank Building,
1377 A, Mabini St., Ermita, Manila

MACHINE: ACKER ACE

DRILLER: J. MADERA

SUPERVISOR: M. Estaura

LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
* W/ HYDROMETER ANALYSIS

Figure 5-3-3 (209/221) BORING LOGS (PHASE I)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BR - 8

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**GROUND ELEV.
(MLLW = Zero Datum) **+ 14.229**DEPTH OF WATER: **1.30** m.LOCATION: **Right Bank, Rodriguez, Pineda**STATION NO.: **16 + 185**DATE MEASURED: **17 Nov. 2000**WEATHER: **FAIR**TIME MEASURED: **7:00 AM**BOH NO: **BR-8** DATE DRILLED: **17 November 2000**COORDINATES: **1610695.673** N, **506453.532** E

DEPTH, m		SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)					NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/cc	ATTERBERG LIMITS		SPECIFIC GRAVITY	UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE			
								15 cm	15 cm	15 cm	(N-VALUE)							LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN %	4	10	40	200
											10	20	30	40	50											
1		SS-1	100		CH		Silty CLAY; brown; 88% medium to high plasticity clay; 11% very fine sand; SOFT.	2	2	2					34		59	38	2.60				100	99	88	
2		SS-2	100					1	2	2																
3		SS-3	100					2	1	2																
4		SS-4	100		CL		Sandy CLAY; dark gray; 84% medium plasticity clay; 16% fine sand; VERY SOFT.	1	1	1					48		46	26	2.60				100	84		
5		SS-5	78			12		7	8																	
6		SS-6	67			10		16	16																	
7		SS-7	67			13	10	10						15				2.64			87	81	46	15		
8		SS-8	67			9	12	10																		
9		SS-9	67			16	17	15																		
10		SS-10	56		SP	11	12	17						21				2.63			92	81	61	15		
11		SS-11	56			11	12	16																		
12		SS-12	67			8	13	18																		
13		SS-13	67			16	17	23							20				2.64			91	82	63	17	
14		SS-14	67			17	20	20																		
15		SS-15	67			13	17	20																		
16		SS-16	67			13	15	25							23				2.63			94	84	65	1	
17		SS-17	67			8	19	23																		
18							End of Borehole (17.00 m)																			
19																										
20																										



BASIC TECHNOLOGY AND MANAGEMENT CORPORATION
2nd Floor Prudential Bank Building,
1377 A. Mabini St., Ermita, Manila

MACHINE: **ACKER ACE**
DRILLER: **I. ANDOYO**
SUPERVISOR: **M. VILLAFUERTE**

LEGEND:



SS - SPLIT SPOON SAMPLE
WS - WASH SAMPLE
UDS - UNDISTURBED SAMPLE
CR - CORE SAMPLE
* - HYDROMETER ANALYSIS

Figure 5-3-3 (210/221) BORING LOGS (PHASE I)