

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 36**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**  
 LOCATION: **L. Bank, Calumpang, Marikina**  
 NO: **BMLL-36** DATE DRILLED: **21 - 23 December 2000**

GROUND ELEV. (MLLW = Zero Datum) **+ 14.634**  
 STATION NO.: **12 + 140.00**  
 WEATHER: **FAIR**

DEPTH OF WATER: **1.20** m.  
 DATE MEASURED: **22 Dec. 2000**  
 TIME MEASURED: **9:00 AM**

COORDINATES: **1617662.500** N, **509999.950** 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	(N-VALUE)							LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm <sup>2</sup>	STRAIN %	4	10	40	200
SS-1	67		CH		Sandy CLAY; brown; 13-15% fine sand; 79-85% high plasticity clay; FIRM To VERY SOFT.	4	3	2						32	58	35	2.60		99	99	98	85		
SS-2	67					1	1	1																
SS-3	67				Gravelly SAND; grayish brown; sub-rounded gravel; fine to coarse sand; non-plastic silty fines; DENSE.	1	1	1						28	57	34	2.61		99	98	94	75		
SS-4	44		SW			9	10	12																
SS-5	78					10	14	14																
SS-6	100					2	4	6						37	61	36	2.60		99	98	97	9		
SS-7	100					10	12	12																
SS-8	100					8	13	15																
SS-9	56					7	8	13						26	63	42	2.60		100	99	98	5		
SS-10	100					8	13	16																
SS-11	67				Silty CLAY; brown to gray; 84 - 95% high plasticity silty clay; traces of fine sand; STIFF To HARD.	10	12	15																
SS-12	100		CH			9	13	16							30	63	42	2.60		97	95	93		
SS-13	100					4	8	12																
SS-14	100					5	5	8																
SS-15	100					6	12	18							34	67	39	2.60					100	
SS-16	100					8	14	17																
SS-17	100					13	10	20																
SS-18	100					8	10	14							38	65	37	2.60					100	99
SS-19	100					6	13	18																
SS-20	100					End of Borehole (20.00 m)	10	12	16															

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

MACHINE: **ACKER ACE**  
 DRILLER: **J. DAWI**  
 SUPERVISOR: **M. ESTAURA**  
**M. VILLAFUERTE**


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

図5-3-3 (71/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 37**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**

GROUND ELEV. (MLLW = Zero Datum) **+ 14.450**

DEPTH OF WATER: **1.25** m

LOCATION: **L. Bank, Sta. Elena, Marikina**

STATION NO.: **12 + 350**

DATE MEASURED: **21 Dec. 2000**

NO: **BMLL-37** DATE DRILLED: **19 - 20 December 2000**

WEATHER: **FAIR**

TIME MEASURED: **11:00 AM**

COORDINATES: **1617886.100 N, 510052.750 E**

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 <sup>2</sup>	STRAIN %	4	10	40	200
SS-1	100	[Symbol]	CH		Sandy CLAY; brown; 11% fine sand; 88% high plasticity clay; VERY SOFT.	2	2	1	10	20	30	40	50	23	67	47	2.60			100	99	99	8	
SS-2	100	[Symbol]	CH			1	0	0																
SS-3	100	[Symbol]	CH			1	0	0						23	70	49	2.60			100	99	8		
SS-4	67	[Symbol]	GC		Clayey GRAVEL; brownish gray; approximately low plasticity clayey fines; sub-angular gravel; LOOSE to MEDIUM DENSE.	7	4	3																
SS-5	67	[Symbol]	GC																					
SS-6	100	[Symbol]	CH		Silty CLAY; grayish brown; 89% high plasticity silty clay with 11% fine to coarse sand; VERY STIFF to HARD.	9	8	11						18	66	45	2.60			100	97	93		
SS-7	100	[Symbol]	CH			9	13	19																
SS-8	100	[Symbol]	CH			5	6	9																
SS-9	100	[Symbol]	CH		Sandy CLAY; grayish brown to brown; 19% fine sand with little amount of medium sand; 76% high plasticity clay; VERY STIFF.	5	7	10						18	61	39	2.61			100	99	95		
SS-10	100	[Symbol]	CH			6	7	14																
SS-11	100	[Symbol]	CH			7	8	13																
SS-12	86	[Symbol]	SP		Silty Gravelly SAND; grayish brown; 36% sub-angular gravel; 45% medium to coarse sand with traces of fine sand; 10% non-plastic silt; VERY DENSE.	22	31	5						13			2.65			64	42	19		
SS-13	61	[Symbol]	SM			19	40	3																
SS-14	65	[Symbol]	SM			20	45	5																
SS-15	71	[Symbol]	CH		Sandy CLAY; brown; 12% fine sand; 87% high plasticity clay; HARD.	25	35	5						23	64	44	2.60			100	99			
SS-16	78	[Symbol]	CH			18	20	30																
					End of Borehole (16.00 m)																			

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 DRILLER: **J. DAWI**  
 SUPERVISOR: **M. ESTAURA**

LEGEND:  
 [Symbol] SS - SPLIT SPOON SAMPLE  
 [Symbol] WS - WASH SAMPLE  
 [Symbol] UDS - UNDISTURBED SAMPLE  
 [Symbol] CR - CORE SAMPLE  
 [Symbol] \* W/ HYDROMETER ANALYSIS

図5-3-3 (72/221) 柱状図 (フェーズI実施分)

**FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS** *MLL - 38*

**PROJECT:** Pasig-Marikina River Channel Imp. Proj.  
**LOCATION:** L. Bank, Sta. Elena, Marikina  
**BH NO:** BMLL-38 **DATE DRILLED:** 17 - 19 December 2000

**GROUND ELEV.** (MLLW = Zero Datum) + 14.793  
**STATION NO.:** 12 + 650  
**WEATHER:** FAIR

**DEPTH OF WATER:** 0.90 m  
**DATE MEASURED:** 19 Dec. 2000  
**TIME MEASURED:** 12:00 NN

**COORDINATES:** 1618191.125 N, 509999.750 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 <sup>2</sup>	STRAIN M, %	4	10	40	200	
							10	20	30	40	50															
1	SS-1	100	[Symbol]	CH		Sandy CLAY; brown to dark gray; 25-36% fine sand; 64-75% high plasticity clay; VERY SOFT.	1	0	1	10	20	30	40	50	34	50	31	2.61							100	6
2	SS-2	67	[Symbol]		1		0	0	10	20	30	40	50													
3	SS-3	100	[Symbol]		2		1	1	10	20	30	40	50	40	61	40	2.61								100	7
4	SS-4	100	[Symbol]		2	1	1	10	20	30	40	50														
5	SS-5	100	[Symbol]		2	1	1	10	20	30	40	50														
6	SS-6	100	[Symbol]		3	4	6	10	20	30	40	50	69	76	49	2.60								100	99	98
7	SS-7	100	[Symbol]		6	9	14	10	20	30	40	50														
8	SS-8	100	[Symbol]		7	13	21	10	20	30	40	50														
9	SS-9	100	[Symbol]		4	6	13	10	20	30	40	50	30	73	46	2.60								100	99	98
10	SS-10	100	[Symbol]		8	12	12	10	20	30	40	50														
11	SS-11	100	[Symbol]		5	7	10	10	20	30	40	50														
12	SS-12	100	[Symbol]		5	5	8	10	20	30	40	50	9	69	49	2.60								99	98	97
13	SS-13	71	[Symbol]	18	27	12	10	20	30	40	50															
14	SS-14	60	[Symbol]	12	10	23	10	20	30	40	50															
15	SS-15	100	[Symbol]	25	5	25	10	20	30	40	50	12			2.64								53	38	27	
16	SS-16	56	[Symbol]	22	12	28	10	20	30	40	50															
17	SS-17	60	[Symbol]	20	10	30	10	20	30	40	50															
18	SS-18	60	[Symbol]	20	10	30	10	20	30	40	50															
19						End of Borehole (17.80 m)																				



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**MACHINE:** ACKER ACE  
**DRILLER:** J. DAWI  
**SUPERVISOR:** M. ESTAURA

**LEGEND:**

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

図5-3-3 (13/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 39**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**  
 LOCATION: **L. Bank, Sta. Elena, Marikina**  
 BH NO: **BMLL-39** DATE DRILLED: **15 - 16 December 2000**

GROUND ELEV. (MLLW = Zero Datum) **+ 14.727**  
 STATION NO.: **12 + 810.00**  
 WEATHER: **FAIR**  
 COORDINATES: **1618372.500 N, 509981.100**

DEPTH OF WATER: **2.50**  
 DATE MEASURED: **16 Dec. 2000**  
 TIME MEASURED: **4:00 PM**

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		
							15 cm	15 cm	15 cm	(N-VALUE)							LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm <sup>2</sup>	STRAIN %	4	10	40
1	SS-1	67	[Symbol]	CH		Sandy CLAY; brown; 15% fine sand with traces of gravel and little amount of coarse to medium sand; 69% high plasticity clay; SOFT.	2	2	2	10	20	30	40	50	37	55	33	2.62		93	90	84		
2	SS-2	78	[Symbol]	SM		Gravelly Silty SAND; gray; 42% non-plastic silt; 30% coarse to medium sand with traces of fine sand and 12% sub-rounded gravel; MEDIUM DENSE To LOOSE.	10	5	9															
3	SS-3	78	[Symbol]				2	1	3						29			2.65		88	73	58		
4	SS-4	100	[Symbol]				2	2	2															
5	SS-5	100	[Symbol]			Silty CLAY; gray; 87% high plasticity silty clay with traces of gravel and little amount of coarse sand; STIFF To FIRM.	2	3	2															
6	SS-6	100	[Symbol]				5	5	9						43	64	31	2.61		93	89	88		
7	SS-7	100	[Symbol]				2	3	2															
8	SS-8	100	[Symbol]	CH			2	2	2															
9	UDS-1	100	[Symbol]				PRESSED								43	1.71	64	42	2.60	Cc 0.355	Pc 1.890		100	
10	SS-9	89	[Symbol]			Silty CLAY; gray to dark gray; 93-98% high plasticity silty clay with little amount of fine sand; FIRM To VERY STIFF.	2	2	2						45		68	43	2.60		100	99	98	
11	UDS-2	100	[Symbol]				PRESSED								50	1.71	62	41	2.61	Cc 0.295	Pc 1.440	98	97	96
12	SS-10	100	[Symbol]				2	2	3															
13	SS-11	67	[Symbol]				14	14	12															
14	SS-12	67	[Symbol]				12	11	8						14			2.64		76	49	34		
15	SS-13	100	[Symbol]				4	6	12															
16	SS-14	44	[Symbol]	GP		Silty Gravelly SAND; gray to dark gray; 24-28% sub-rounded gravel; 27-39% coarse sand; 15-21% medium sand; 10-22% fine; 6-12% non-plastic silt; MEDIUM DENSE To VERY DENSE.	14	25	27															
17	SS-15	44	[Symbol]	GM			12	24	27						13			2.64		72	40	20		
18	SS-16	44	[Symbol]				18	25	25															
19	SS-17	44	[Symbol]				19	22	24															
20	SS-18	44	[Symbol]			End of Borehole (20.00 m)	15	18	27						13			2.64		76	37	16		

**BTA** BASIC TECHNOLOGY AND MANAGEMENT CORPORATION  
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 SUPERVISOR: **M. ESTAURA**  
**M. VILLAFUERTE**

LEGEND:  
 [Symbol] SS - SPLIT SPOON SAMPLE  
 [Symbol] WS - WASH SAMPLE  
 [Symbol] UDS - UNDISTURBED SAMPLE  
 [Symbol] CR - CORE SAMPLE  
 [Symbol] \* WI - HYDROMETER ANALYSIS

図5-3-3 (74/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 40**

PROJECT: Pasig-Marikina River Channel Imp. Proj.  
 LOCATION: L. Bank, Sta. Elena, Marikina  
 BOREHOLE NO: BMLL-40 DATE DRILLED: 15 - 16 December 2000

GROUND ELEV. (MLLW = Zero Datum) + 14.930  
 STATION NO.: 13 + 200  
 WEATHER: FAIR  
 COORDINATES: 1618737.750 N, 509905.750 E

DEPTH OF WATER: 2.10  
 DATE MEASURED: 16 Dec. 2000  
 TIME MEASURED: 8:00 AM

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					
							15 cm	15 cm	15 cm	(N-VALUE)							LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm <sup>2</sup>	STRAIN %	4	10	40			
1	SS-1	100	[Symbol]	CH		Sandy CLAY; dark brown to dark gray; 20-38% fine sand; 62-79% high plasticity clay; FIRM to STIFF.	1	3	4									2.61						100			
2	SS-2	100	[Symbol]		2		3	4																			
3	SS-3	100	[Symbol]		3		3	3												28	61	37	2.61			100	99
4	SS-4	100	[Symbol]		3		5	4																			
5	SS-5	100	[Symbol]		5		4	5																			
6	SS-6	100	[Symbol]		4		5	6												11	51	28	2.61			100	100
7	SS-7	100	[Symbol]		3		5	3																			
8	SS-8	100	[Symbol]		3		5	3																			
9	SS-9	100	[Symbol]		2		2	3												18	73	55	2.60				100
10	SS-10	100	[Symbol]		3		4	3																			
11	SS-11	100	[Symbol]		3		3	3																			
12	SS-12	100	[Symbol]	ML		Sandy SILT; dark gray; 32% medium to fine sand with traces of coarse sand and sub-angular gravel; 52% low plasticity silt; LOOSE.	3	3	4									18			2.62			92	84	64	
13	SS-13	100	[Symbol]		3		3	5																			
14	SS-14	100	[Symbol]	SM		Silty Gravelly SAND; dark gray; 19% coarse sand; 27% medium sand; 10% fine sand; 26% sub-angular gravel with 18% non-plastic silt; DENSE.	8	18	20																		
15	SS-15	78	[Symbol]		16		17	23											10			2.63			74	55	28
16						End of Borehole (15.00 m)																					

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 DRILLER: J. MOGOL  
 SUPERVISOR: M. ESTAURA  
M. VILLAFUERTE

LEGEND:  

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

図5-3-3 (75/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 41**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**

GROUND ELEV. (MLLW = Zero Datum) **+ 15.359**

DEPTH OF WATER: **3.30** m

LOCATION: **L. Bank, Sto. Niño, Marikina**

STATION NO.: **13 + 550**

DATE MEASURED: **19 Dec. 2000**

BH NO: **BMLL-41** DATE DRILLED: **19 - 20 December 2000**

WEATHER: **FAIR**

TIME MEASURED: **12:00 NN**

COORDINATES: **1619092.205** N, **509823.100** E

DEPTH, m	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	(N-VALUE)							LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm <sup>2</sup>	STRAIN %	4	10	40
1	SS-1	100	[Symbol]	CH		Sandy CLAY; brown; 30-31% fine sand; 69-70% high plasticity clay; FIRM.	2	2	3	10	20	30	40	50	38	60	38	2.61					100	70
2	SS-2	100	[Symbol]	CH			3	2	3															
3	SS-3	100	[Symbol]	CH			3	3	3						40	62	39	2.61					100	61
4	SS-4	93	[Symbol]	GW		Sandy GRAVEL; brown; sub-angular gravel; fine to coarse sand; MEDIUM DENSE.	15	18	12															
5	SS-5	67	[Symbol]	CH		Sandy CLAY; 31% fine sand; 69% high plasticity clay; FIRM.	13	16	12															
6	SS-6	100	[Symbol]	CH			2	3	4						44	63	39	2.61					100	6
7	SS-7	89	[Symbol]	CH			8	9	11															
8	SS-8	67	[Symbol]	CH			8	8	10															
9	SS-9	56	[Symbol]	SM		Silty SAND; gray; 11-14% non-plastic silt; 4-14% coarse sand; 25-39% medium sand; 24-51% fine sand with traces of gravel; MEDIUM DENSE to DENSE.	9	10	14						14			2.63			91	77	38	
10	SS-10	89	[Symbol]	SM			13	8	10															
11	SS-11	67	[Symbol]	SM			10	14	15															
12	SS-12	67	[Symbol]	SM			10	15	20						21			2.63			91	87	62	
13	SS-13	56	[Symbol]	SM			18	18	19															
14	SS-14	67	[Symbol]	SM			19	21	24															
15	SS-15	44	[Symbol]	SM		Silty Gravelly SAND; gray; 19% non-plastic silt; 32% sub angular gravel; 41% fine to medium sand with traces of coarse sand; VERY DENSE.	22	30	10						16			2.64			68	60	41	
16						End of Borehole (14.95 m)																		



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 SUPERVISOR: **M. ESTAURA**  
**M. VILLAFUERTE**

LEGEND:

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

図5-3-3 (76/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 42**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**  
 LOCATION: **L. Bank, Sto. Niño, Marikina**  
 BH NO: **BMLL-42** DATE DRILLED: **18 - 20 December 2000**

GROUND ELEV. (MLLW = Zero Datum) **+ 14.701**  
 STATION NO.: **13 + 850**  
 WEATHER: **FAIR**  
 COORDINATES: **1619349.950 N, 509735.500 E**  
 DEPTH OF WATER: **4.45** m.  
 DATE MEASURED: **21 Dec. 2000**  
 TIME MEASURED: **8:00 AM**

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 <sup>2</sup>	STRAIN M, %	4	10	40	200
1	SS-1	78	[Symbol]	SM		Silty SAND; brown; 32% non-plastic silt; 62% fine sand with traces of medium sand; LOOSE.	2	2	2					26				2.63					100	94	32
2	SS-2	78	[Symbol]				2	2	3																
3	SS-3	56	[Symbol]	ML		Sandy SILT; brown; 41% fine sand; 57% low plasticity silt; FIRM.	2	2	3					39				2.61					100	98	57
4	SS-4	100	[Symbol]	SW		Gravelly SAND; brown; fine to medium sand; sub-rounded gravel; LOOSE.	2	2	2																
5	SS-5	67	[Symbol]	CH		Sandy CLAY; grayish brown; 36% fine with traces of medium sand; 58% high plasticity clay; VERY STIFF.	3	3	3																
6	SS-6	100	[Symbol]				12	14	15					30	56	35	2.61					99	98	94	58
7	SS-7	33	[Symbol]				12	12	13																
8	SS-8	67	[Symbol]				12	13	15																
9	SS-9	67	[Symbol]	GM		Gravelly SAND; brownish gray; 17% non-plastic silt; 14 - 17% sub-angular gravel; 9 - 14% coarse sand; 18 - 34% medium sand; 26 - 34% fine sand; MEDIUM DENSE.	13	12	15					19				2.64				83	69	51	17
10	SS-10	56	[Symbol]				7	7	9																
11	SS-11	56	[Symbol]				7	7	9																
12	SS-12	78	[Symbol]				12	14	15					14				2.63				86	77	43	17
13	SS-13	100	[Symbol]				15	18	20																
14	SS-14	100	[Symbol]	SM		Silty SAND; gray; 23% coarse sand; 50% medium sand; 12% fine sand; with traces of non-plastic silt and gravel; DENSE to VERY DENSE.	18	21	23																
15	SS-15	95	[Symbol]				28	30	12					13				2.63				93	70	20	8
16	SS-16	95	[Symbol]				33	31	12																
17						End of Borehole (15.97 m)																			

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

MACHINE: **ACKER ACE**  
 DRILLER: **R. CASCAYAN**  
**I. LUENGAS**  
 SUPERVISOR: **M. ESTAURA**

LEGEND:  
 [Symbol] SS - SPLIT SPOON SAMPLE  
 [Symbol] WS - WASH SAMPLE  
 [Symbol] UDS - UNDISTURBED SAMPLE  
 [Symbol] CR - CORE SAMPLE  
 [Symbol] \* W/ HYDROMETER ANALYSIS

図5-3-3 (77/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 43**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**  
 LOCATION: **L. Bank, Sto. Niño, Marikina**  
 NO: **BMLL-43** DATE DRILLED: **20 - 21 December 2000**

GROUND ELEV. (MLLW = Zero Datum) **+ 13.989**  
 STATION NO.: **14 + 115**  
 WEATHER: **FAIR**  
 COORDINATES: **1619623.750 N, 509638.450 E**

DEPTH OF WATER: **3.20** m.  
 DATE MEASURED: **20 Dec. 2000**  
 TIME MEASURED: **5:30 PM**

SAMPLE NO.	RECOVERY (%) SAMPLE	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	10	20	30	40	50			LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm <sup>2</sup>	STRAIN %	4	10	40	200	
SS-1	100		ML		Sandy SILT; brown; 44-49% fine sand; 51% non-plastic silt; FIRM.	4	2	2					28				2.63			99	98	95	51		
SS-2	100					2	2	3																	
SS-3	89					4	4	3							38				2.62					100	51
SS-4	96					2	3	3																	
SS-5	84		SM		Silty SAND; gray; 23% non-plastic silt; 30% medium fine sand; 45% fine sand; LOOSE to MEDIUM DENSE.	4	4	5																	
SS-6	78					4	6	6							17				2.63		99	98	68	23	
SS-7	44					7	8	7																	
SS-8	49					9	8	9																	
SS-9	56					10	15	17							12				2.64		80	60	31	15	
SS-10	33					11	14	16																	
SS-11	84		GW		Silty SAND; gray; 13% non-plastic silt; 17% coarse sand; 54% medium sand; 16% fine sand; DENSE.	12	11	13																	
SS-12	44					15	17	18							13				2.64		100	83	29	15	
SS-13	51					14	19	21																	
SS-14	63					22	29	10																	
SS-15	50					21	30	10							14				2.64		51	38	22	10	
End of Borehole (14.95 m)																									

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

MACHINE: **ACKER ACE**  
 DRILLER: **J. MOGOL**  
 SUPERVISOR: **M. ESTAURA**  
**M. VILLAFUERTE**






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

図5-3-3 (78/221) 柱状図 (フェーズI実施分)



FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 44**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**

GROUND ELEV. (MLLW = Zero Datum) **+ 13.450**

DEPTH OF WATER: **1.50** m.

LOCATION: **L. Bank, Sto. Niño, Marikina**

STATION NO.: **14 + 420**

DATE MEASURED: **23 Dec. 2000**

BH NO: **BMLL-44** DATE DRILLED: **22 - 23 December 2000**

WEATHER: **FAIR**


TIME MEASURED: **7:00 AM**

COORDINATES: **1619884.250 N, 509542.250 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 <sup>2</sup>	STRAIN %	4	10	40	200
1	SS-1	100	[Symbol]	CH		Sandy CLAY; brown; 16% fine sand with little amount of medium sand; 79% high plasticity clay; STIFF.	3	8	5						47	63	43	2.61			99	99	95	79	
2	SS-2	100	[Symbol]	SM		Silty SAND; dark brown; 22% non-plastic silt; 68% fine sand with little amount of medium sand; MEDIUM DENSE.	5	7	7																
3	SS-3	100	[Symbol]	GP		Sandy GRAVEL; dark brown; sub-rounded gravel with fine to medium sand; non-plastic silt; DENSE.	8	7	9						22			2.63			98	96	90	22	
4	SS-4	67	[Symbol]				10	15	16																
5	SS-5	100	[Symbol]				3	3	7																
6	SS-6	100	[Symbol]	SM		Silty SAND; yellowish brown; 40% non-plastic silt; 9% coarse sand; 48% medium to fine sand; MEDIUM DENSE to DENSE.	7	8	7						73			2.63			97	88	66	41	
7	SS-7	100	[Symbol]				9	15	19																
8	SS-8	56	[Symbol]				17	23	21																
9	SS-9	56	[Symbol]			Silty Gravelly SAND; brown; 34% sub-angular gravel; 11% coarse sand; 22% medium sand; 14% fine sand; 19% non-plastic silt; VERY DENSE.	18	25	28						14			2.63			66	55	33	1	
10	SS-10	40	[Symbol]				20	28	30																
11	SS-11	27	[Symbol]				17	26	27																
12	SS-12	33	[Symbol]	GM		Silty Sandy GRAVEL; brown; 19% coarse to medium sand; 13% fine sand; 49% sub-rounded gravel with 19% non-plastic silt; VERY DENSE.	19	28	26						11			2.65			51	42	32	1	
13	SS-13	33	[Symbol]				21	28	27																
14	SS-14	22	[Symbol]				23	27	25																
15	SS-15	33	[Symbol]				20	25	28																
16						End of Borehole (15.00 m)																			

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

MACHINE: **ACKER ACE**  
 DRILLER: **J. MOGOL**  
 SUPERVISOR: **M. ESTAURA**  
**M. VILLAFUERTE**

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

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 45**

PROJECT: Pasig-Marikina River Channel Imp. Proj.  
 LOCATION: L. Bank, Sto. Niño, Marikina  
 BOREHOLE NO.: BMLL-45 DATE DRILLED: 22 - 23 December 2000

GROUND ELEV. (MLLW = Zero Datum) + 15.109  
 STATION NO.: 14 + 680  
 WEATHER: FAIR  
 COORDINATES: 1620233.100 N, 509536.750 E  
 DEPTH OF WATER: 3.00 m.  
 DATE MEASURED: 23 Dec. 2000  
 TIME MEASURED: 7:00 AM

SAMPLE NO.	RECOVERY (%) SAMPLE	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	10	20	30	40	50			LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm <sup>2</sup>	STRAIN N, %	4	10	40	200	
SS-1	100		SM		Silty SAND; brown; 38% non-plastic silty fines; 56% fine sand with traces of medium sand; LOOSE.	4	4	4							30			2.63				100	94	38	
SS-2	89		CH		Sandy CLAY; brown; 21% fine sand; 79% high plasticity clay; SOFT To STIFF.	3	3	3																	
SS-3	100			2		2	2									22	64	43	2.61				100	79	
SS-4	100			3	4	5																			
SS-5	100			4	6	8	Silty CLAY; brownish gray to dark gray; 91% high plasticity silty clay with little amount of medium fine to fine sand; STIFF to VERY STIFF.																		
SS-6	100			8	9	10										27	70	44	2.60	100	98	95	91		
SS-7	100			8	14	14																			
SS-8	100		5	9	15																				
SS-9	100				Sandy CLAY; brownish gray to brown; 17% coarse to medium fine sand; 16% fine sand with traces gravel; 59% high plasticity clay; VERY STIFF.	12	13	11							24	55	36	2.61			92	83	75	59	
SS-10	100				Sandy CLAY; brown to dark brown; 12 - 14% fine sand with little amount of medium sand; 80-81% high plasticity clay; HARD.	10	8	11																	
SS-11	100					9	12	12																	
SS-12	100					14	17	26							19	53	32	2.61			100	99	95	81	
SS-13	100					26	28	30																	
SS-14	100				20	26	30																		
SS-15	100				26	29	31							20	57	37	2.61			99	97	92	86		
SS-16	100				26	28	31																		
7					End of Borehole (16.00 m)																				

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

MACHINE: ACKER ACE  
 DRILLER: R. CASCAYAN  
 I. LUENGAS  
 SUPERVISOR: M. ESTAURA

LEGEND:

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

図5-3-3 (80/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLW - 1a**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**  
 LOCATION: **Napindan Floodgate, Napindan, Pasig**  
 BH NO: **BMLW-1** DATE DRILLED: **13 - 15 March 2001**

GROUND ELEV. (MLLW = Zero Datum) **+ 6.580**  
 STATION NO.: **00 + 100**  
 WEATHER: **FAIR**

DEPTH OF WATER: **4.00** m  
 DATE MEASURED: **15 Mar. 2001**  
 TIME MEASURED: **4:30 PM**

COORDINATES: **1610100.500** N, **507128.750** E

DEPTH, m	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	ROD	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 <sup>2</sup>	STRAIN %	4	10	40	200
1	SS-1	100		SW		Gravelly SAND; brownish gray; 22% sub-rounded to sub-angular gravel; 23% fine sand; 24% coarse and 27% med. sand, w/ little amount of non-plastic silt; MEDIUM DENSE.	2	5	7	10	20	30	40	50	47			2.64		78	54	27	4		
2	SS-2	100		SM		Silty SAND; dark brown to brown; 13% coarse sand; 36% medium sand; 45% fine sand; contains little amount of sub-angular to angular gravel; 5% non-plastic silt; presence of some wood fragments; MEDIUM DENSE TO VERY DENSE.	9	6	6																
3	SS-3	100						30	50	5						34			2.64		99	86	50	5	
4	SS-4	100						20	50	5															
5	SS-5	78						10	15	17															
6	SS-6	78		SW SM		Silty Gravelly SAND; dark brown to dark gray; 25% sub-rounded to sub-angular gravel; 16-30% coarse sand; 24-35% medium sand; 8-30% fine sand; contains about 2-5% non-plastic silt; presence of shell fragment; DENSE TO MEDIUM DENSE.	6	11	12						31			2.64		75	59	35	5		
7	SS-7	67						18	10	11															
8	SS-8	67						13	9	10															
9	SS-9	78						5	5	7						11			2.64		75	45	10	2	
10	SS-10	67						5	6	6															
11	SS-11	78						2	4	6															
12	SS-12	78		SM		Silty SAND; dark gray to brown; 19% coarse sand; 43% medium sand; 29% fine sand; contains little amount of sub-angular to angular, fine gravel and non-plastic silt; presence of shell fragments; VERY LOOSE TO VERY DENSE.	3	3	3					15			2.63		96	77	34	5			
13	SS-13	50				Tuffaceous SANDSTONE; brown; medium grained; moderately weathered; SOFT.	25	50	5																
14	CR-1	23		TS	0	Tuffaceous SANDSTONE; light gray; contains occasional granules and pebbles with interbed of tuff; moderately weathered; SOFT.	CORING																		
15	CR-2	23			18	Tuffaceous SANDSTONE; light gray; contains occasional granules and pebbles with interbed of tuff; moderately weathered; SOFT.	CORING			7	1.69			35.995	1.648										
16	CR-3	27			0	Tuffaceous SANDSTONE; light brown; highly weathered; broken; SOFT.	CORING																		
17	CR-4	34			0	Tuffaceous SANDSTONE; light brown; highly weathered; broken; SOFT.	CORING																		
18	SS-14	67		MH		Sand SILT; brown; 10% medium sand; 15% fine sand; 7% coarse sand with traces of sub-angular to angular gravel; 60% high plasticity silt. HARD.	12	15	32					38	54	31	2.62		92	85	75	60			
19	SS-15	89		SM SW		Gravelly Silty SAND; brown; 18% sub-angular to angular gravel; 25% non-plastic silt; 11% coarse; 15% medium sand; 31% fine sand; DENSE TO VERY DENSE.	13	20	21																
20	SS-16	56						15	28	29						30			2.64		82	71	56	25	

**BASIC TECHNOLOGY AND MANAGEMENT CORPORATION**  
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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

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLW - 1b**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**  
 LOCATION: **Napindan Floodgate, Napindan, Pasig**  
 BH NO: **BMLW-1** DATE DRILLED: **13 - 15 March 2001**

GROUND ELEV. (MLLW = Zero Datum) **+ 6.580**  
 STATION NO.: **00 + 100**  
 WEATHER: **FAIR**  
 COORDINATES: **1610100.500 N, 507128.750 E**

DEPTH OF WATER: **4.00** m  
 DATE MEASURED: **15 Mar. 2001**  
 TIME MEASURED: **4:30 PM**

DEPTH, m	SAMPLE NO.	RECOVERY (%) SAMPLE	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	10	20	30	40	50			LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm <sup>2</sup>	STRAIN W, %	4	10	40	200
21	SS-17	89		SW		Gravelly SAND; grayish brown; 24% coarse sand; 27% medium sand with small amount of fine sand; 44% sub-angular to angular gravel; VERY DENSE.	14	30	32						29			2.65		56	32	5	1		
21						END OF BOREHOLE (21.00 m)																			
22																									
23																									
24																									
25																									
26																									
27																									
28																									
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40																									



**BASIC TECHNOLOGY AND MANAGEMENT CORPORATION**  
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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

図5-3-3 (82/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLW - 2a**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**  
 LOCATION: **San Jose, Pasig City**  
 BOREHOLE NO.: **BMLW-2** DATE DRILLED: **09 - 10 March 2001**

GROUND ELEV. (MLLW = Zero Datum) **+ 11.883**  
 STATION NO.: **00 + 450**  
 WEATHER: **FAIR**  
 COORDINATES: **1610188.750 N, 507582.250 E**

DEPTH OF WATER: **2.00** m  
 DATE MEASURED: **09 Mar. 2001**  
 TIME MEASURED: **9:00 AM**

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 <sup>2</sup>	STRAIN %, %	4	10	40	200
1	SS-1	89	[Symbol]	CH		Sandy CLAY; dark brown to gray; 21% fine sand; 8% medium to coarse sand; 70% high plasticity clay; VERY SOFT.	1	0	0	10	20	30	40	50	81	73	52	2.61		99	97	91	71		
2	SS-2	89	[Symbol]				1	0	0																
3	SS-3	89	[Symbol]	SW SM		Silty Gravelly SAND; gray; 19% coarse sand; 24% medium sand; 13% fine sand; 38% sub-angular to sub-rounded gravel w/ 6% non-plastic silt. MEDIUM DENSE.	4	5	7						11			2.65		62	43	19	6		
4	SS-4	78	[Symbol]				4	5	5																
5	SS-5	22	[Symbol]	SW		Gravelly SAND; gray; 27% sub-angular to sub-rounded gravel with 4% non-plastic silt; 31% coarse sand; 26% medium sand; 12% fine sand; MEDIUM DENSE.	6	14	12																
6	SS-6	22	[Symbol]				6	13	10						10			2.65		73	42	16	4		
7	SS-7	33	[Symbol]				6	7	14																
8	SS-8	29	[Symbol]				6	10	12																
9	SS-9	56	[Symbol]				6	3	4						24			2.63		100	99	78	11		
10	SS-10	89	[Symbol]	SM SW			4	4	5																
11	SS-11	78	[Symbol]				6	7	7																
12	SS-12	89	[Symbol]				8	10	16						22			2.63		94	85	33	8		
13	SS-13	56	[Symbol]				9	11	12																
14	SS-14	56	[Symbol]				9	12	12																
15	SS-15	78	[Symbol]				9	11	12						14			2.66		55	44	22	7		
16	SS-16	44	[Symbol]				10	4	6																
17	SS-17	44	[Symbol]				6	6	8																
18	SS-18	89	[Symbol]	CH		Silty CLAY; brown; 7% fine to coarse sand; 93% high plasticity clay; STIFF TO VERY STIFF.	6	7	9						38	56	35	2.60		100	96	96	9		
19	SS-19	89	[Symbol]				5	6	9																
20	SS-20	89	[Symbol]				6	7	8																

**BASIC TECHNOLOGY AND MANAGEMENT CORPORATION**  
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 1377 A. Mabini St., Ermita, Manila

MACHINE: **ACKER ACE**  
 DRILLER: **E. RIEZA**  
 SUPERVISOR: **M. VILLAFUERTE**

LEGEND:  
 [Symbol] SS - SPLIT SPOON SAMPLE  
 [Symbol] WS - WASH SAMPLE  
 [Symbol] UDS - UNDISTURBED SAMPLE  
 [Symbol] CR - CORE SAMPLE  
 [Symbol] \* W/ HYDROMETER ANALYSIS

図5-3-3 (83/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS MLW - 2b

PROJECT: Pasig-Marikina River Channel Imp. Proj.  
LOCATION: San Jose, Pasig City  
BOREHOLE NO.: BMLW-2 DATE DRILLED: 09 - 10 March 2001  
GROUND ELEV. (MLLW = Zero Datum) + 11.883  
STATION NO.: 00 + 450  
WEATHER: FAIR  
COORDINATES: 1610188.750 N, 507582.250 E  
DEPTH OF WATER: 2.00 m  
DATE MEASURED: 09 Mar. 2001  
TIME MEASURED: 9:00 AM

DEPTH, m	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	ROD	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 <sup>2</sup>	STRAIN W, %	4	10	40	20		
21	SS-21	89	[Symbol]			Silty CLAY; brown; 99% high plasticity clay; VERY STIFF.	6	7	9														
22	SS-22	89	[Symbol]	CH		Sandy CLAY; brown; 11% fine to coarse sand with very little amount of gravel; 87% high plasticity clay; HARD.	9	16	17														
23	SS-23	89	[Symbol]				9	17	18														
24	SS-24	89	[Symbol]			Silty SAND; brownish gray; 29% non-plastic silt with traces of gravel; 13% coarse sand; 24% medium sand; 25% fine sand; HARD.	9	11	14									98	96	93	87		
24	SS-25	100	[Symbol]	SM			50							35	54	31	2.61						
24						END OF BOREHOLE (24.70 m)											2.63						
25																							
26																							
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	<b>BASIC TECHNOLOGY AND MANAGEMENT CORPORATION</b>	MACHINE: ACKER ACE	LEGEND:	
	2nd Floor Prudential Bank Building, 1377 A. Mabini St., Ermita, Manila	DRILLER: E. RIEZA		SS - SPLIT SPOON SAMPLE
		SUPERVISOR: M. VILLAFUERTE		WS - WASH SAMPLE
				UDS - UNDISTURBED SAMPLE

図5-3-3 (84/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLW - 3a**

PROJECT: Pasig-Marikina River Channel Imp. Proj.

GROUND ELEV. (MLLW = Zero Datum) + 9.946

DEPTH OF WATER: 1.50 m

LOCATION: Kapasigan, Pasig City

STATION NO.: 00 + 950

DATE MEASURED: 06 Mar. 2001

BH NO: BMLW-3 DATE DRILLED: 06 - 07 March 2001

WEATHER: FAIR

TIME MEASURED: 7:00 AM

COORDINATES: 1610663.750 N, 507768.250 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 <sup>2</sup>	STRAIN %	4	10	40	200														
1	SS-1	56		CH		Sandy CLAY; dark gray; 13-14% fine sand; 86-87% high plasticity clay; VERY SOFT TO SOFT.	1	0	0																														
2	SS-2	78					1	0	0																														
3	SS-3	100					1	2	1																														
4	SS-4	67		GW	GM	Sandy GRAVEL; gray; coarse to medium sand; rounded to sub - rounded gravel; traces of non- plasticity silt; MEDIUM DENSE.	3	4	5																														
5	UDS-1	100				CLAY; gray; 99% high plasticity; FIRM.	PRESSED																																
6	SS-5	78		CH		Sandy CLAY; gray; 28% coarse to fine sand; 72% high plasticity clay; FIRM TO SOFT.	6	2	3																														
7	SS-6	100					4	1	2																														
8	SS-7	100					2	2	2																														
9	SS-8	78		SM	SW	Gravelly Silty SAND; gray, 12% rounded to sub-rounded gravel; 22% non-plastic silt; 66% well-graded sand; MEDIUM DENSE.	5	5	4																														
10	SS-9	100		CH		CLAY; dark brownish gray; 96% high plasticity clay w/ little amount of sand; STIFF.	8	4	6																														
11	SS-10	78					10	10	11																														
12	SS-11	67		SM		Silty SAND; dark gray to grayish, white; coarse to fine sand; non-plastic silty fines; contains appreciable amount of sub-angular gravel; MEDIUM DENSE.	9	9	10																														
13	SS-12	78					11	12	13																														
14	SS-13	100					4	4	5																														
15	SS-14	100					4	5	6																														
16	SS-15	100		CH		CLAY; gray; 99% high plasticity clay; STIFF.	5	6	6																														
17	SS-16	100					4	5	7																														
18	SS-17	100					5	6	8																														
19	SS-18	100					5	6	6																														
20	SS-19	100		MH		Sandy SILT; gray; contains little amount of gravel; 29% fine to coarse sand; 69% high plasticity silt; STIFF.	6	6	6																														

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

MACHINE: ACKER ACE  
 DRILLER: A. TENERIFE  
 SUPERVISOR: M. VILLAFUERTE

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

図5-3-3 (85/221) 柱状図 (フェーズI実施分)