

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLW - 25**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**
 LOCATION: **L. Side Offshore, Sto. Niño, Marikina**
 NO: **BMLW-25** DATE DRILLED: **11 - 12 January 2001**

GROUND ELEV.
 (MLLW = Zero Datum) **+ 10.196**
 STATION NO.: **13 + 495**
 WEATHER: **FAIR**

DEPTH OF WATER: **2.45** m
 DATE MEASURED: **11 Jan. 2001**
 TIME MEASURED: **11:00 AM**

COORDINATES: **1619025.100** N, **509815.500** 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 ²	STRAIN W, %	4	10	40	20
SS-1	56		CH		Sandy CLAY; gray; 12% fine sand, 86% high plasticity clay; VERY SOFT.	1	0	1	10	20	30	40	50	67	73	46	2.60			100	99	98	86	
SS-2	78		CH		Sandy CLAY; brownish gray; 7% gravel; 36% fine sand with traces of gravel and coarse sand; contains little amount of medium to fine sand; 49% high plasticity clay; STIFF	2	3	7																
SS-3	89		SM		Silty SAND; brownish gray; 33% non-plastic silt; 62% fine sand w/ little amount of medium sand; DENSE.	5	6	6						31	53	31	2.63			93	88	85	45	
SS-4	89		SM			11	16	14						26			2.63			100	95	3		
SS-5	89		GP		Gravelly SAND; brownish gray; 9-22% non-plastic silt; 9-37% angular gravel; 6-23% coarse sand; 14-49% medium sand; 4-32% fine sand; MEDIUM DENSE.	3	5	6						22			2.63			91	82	33	9	
SS-6	89		GM			7	7	7						17			2.64			73	65	35	16	
SS-7	89		GM			7	7	9																
SS-8	89		GM			6	7	9						22			2.63			86	80	42	10	
SS-9	89		GM			7	10	11						7			2.64			63	40	26	22	
SS-10	89		CH		Sandy CLAY; gray; 12% fine sand with traces of coarse to fine sand; contains little amount of gravel; 68% high plasticity clay; MEDIUM DENSE.	7	8	12						40	59	37	2.61			97	88	80	68	
SS-11	89		GM		Sandy GRAVEL; gray; 7% non-plastic silt; 32% coarse to fine sand; 61% sub-angular to rounded gravel; MEDIUM DENSE.	6	9	13																
SS-12	89		GM			15	13	12						9			2.65			39	27	15	7	
SS-13	44		GW			18	20	18																
SS-14	44		GM		Sandy GRAVEL; gray; traces of non-plastic silt; 14-15% coarse sand; 12-14% medium sand with 7% fine sand; DENSE TO VERY DENSE.	14	15	28																
SS-15	44		GM			15	21	27						6			2.64			43	28	14	7	
SS-16	44		GM			18	20	27																
SS-17	43		GM			18	35	16/5						6			2.65			37	23	11	4	
					End of Borehole (16.90 m)																			

BTA 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. ESTAURA**
M. VILLAFUERTE

LEGEND:

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

図5-3-3 (116/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLW - 26**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**
 LOCATION: **L. Side Offshore, Sto. Niño, Marikina**
 BOREHOLE NO.: **BMLW-26** DATE DRILLED: **12 - 15 January 2001**

GROUND ELEV. (MLLW = Zero Datum) **+ 10.975**
 STATION NO.: **13 + 975**
 WEATHER: **FAIR**

DEPTH OF WATER: **1.55** m
 DATE MEASURED: **12 Jan. 2001**
 TIME MEASURED: **2:00 PM**

COORDINATES: **1619478.250** N, **509689.250** E

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 ²	STRAIN M. %	4	10	40	20	
SS-1	100			CH	Silty CLAY; grayish brown to brownish gray; 91-92% high plasticity silty clay w/ traces of medium to fine sand; FIRM TO STIFF.	2	2	2	10	20	30	40	50	40	53	32	2.60					100	95	91	
SS-2	89					3	4	5																	
SS-3	89					2	4	4						40	56	35	2.60					100	99	92	
SS-4	89			SM	Silty SAND; gray; 14% non-plastic silt; 11% medium sand; 75% fine sand; MEDIUM DENSE.	5	4	6																	
SS-5	89					7	6	6									2.63					100	89	1	
SS-6	89			SP SM	Silty Gravelly SAND; gray; 8-10% non-plastic silt; 19-38% sub-rounded to angular gravel; 12-15% coarse sand, 21-38% medium fine sand 18-21% fine sand; MEDIUM DENSE.	5	6	8						15			2.64					81	69	31	11
SS-7	89					5	6	9																	
SS-8	89					9	7	8																	
SS-9	78					12	12	13						12			2.65					62	47	26	8
SS-10	56					10	16	18																	
SS-11	100				Silty Gravelly SAND; gray; contains appreciable amount of non-plastic silt; sub-rounded to angular gravel; fine to coarse sand; DENSE TO VERY DENSE.	11	29	21/5																	
SS-12	100					Gravelly Silty SAND; gray; 17% angular and sub rounded gravel; 34% non-plastic silt, 46% fine sand; MEDIUM DENSE .	19	14	10						79			2.63				83	81	80	3
SS-13	78			GW	GRAVEL; gray; sub rounded to sub-angular VERY DENSE.			13																	
SS-13	78					19	37	2						1			2.66				3	1	1	1	
SS-14	78			GP GM	Sandy GRAVEL; gray; 10% non-plastic silt 10% coarse sand, 14% medium w/ traces of fine, 57% angular gravel. DENSE.	12	19	24						9			2.66				43	33	19	1	
SS-15	67			SM	Silty SAND; gray; 20% non-plastic silt; 45% medium sand; 19% fine sand with traces of gravel and coarse sand; VERY DENSE.		50	15						16			2.64				92	84	39	2	
SS-15	67					31																			
SS-16	51			GP GM	Silty Sandy GRAVEL; brown; 12% non-plastic silt; 9% medium sand with traces of coarse and fine sand; 61% angular to sub-rounded gravel; VERY DENSE .			27/5																	
SS-16	51					19	23	5																	
SS-17	50						50	15						6			2.66				39	30	21	1	
SS-17	50					32																			
					End of Borehole (16.85 m)																				

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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
 W/ - HYDROMETER ANALYSIS

図5-3-3 (117/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLW - 27**

PROJECT: Pasig-Marikina River Channel Imp. Proj.
LOCATION: L. Side Offshore, Sto. Niño, Marikina
NO: BMLW-27 **DATE DRILLED:** 16 - 17 January 2001

GROUND ELEV. (MLLW = Zero Datum) + 11.395
STATION NO.: 14 + 515
WEATHER: FAIR
COORDINATES: 1619979.900 N, 509511.100 E

DEPTH OF WATER: 1.55 m.
DATE MEASURED: 12 Jan. 2001
TIME MEASURED: 2:00 PM

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, %	4	10	40	200		
SS-1	89		CL		Silty CLAY; gray; low to medium plasticity silty clay; FIRM.	2	3	3		41		45	22	2.60						100	99*	
SS-2	89		CH		Sandy CLAY; gray; 10-44% fine sand; 56-90% high plasticity clay; FIRM.	2	3	4		35				2.62						100	56	
SS-3	89			2		2	2		38			2.62								100	56	
SS-4	89			2		3	4		39	53	34	2.61								100	72*	
SS-5	89			3		2	3															
SS-6	89			1		2	3		45	55	34	2.60									100	90*
SS-7	89		SM		Silty SAND; gray; 46% non-plastic silt; 54% fine sand; LOOSE TO MEDIUM DENSE.	2	4	4		35				2.63						100	46	
SS-8	89			2	4	13																
SS-9	100			50	32	7		50			2.64					73	55	31	17			
SS-10	100			50	22	10		50														
SS-11	100		15	50			37			2.62					97	87	65	42				
CR-1	35		ST		SANDSTONE; brown; highly weathered; SOFT.	CORING																
SS-12	56		GM		Silty Sandy GRAVEL; brown; 14% non-plastic silt; 10% coarse sand; 13% medium sand; 12% fine sand; 51% sub-angular gravel; DENSE.	16	19	20		46				2.64		49	39	26	14			
SS-13	78			19	20	18																
SS-14	100		ML		Sandy SILT; brownish gray 14% medium sand; 25% fine sand w/ little amount of coarse sand; 57% non-plastic silt; HARD.	30	46	4		36				2.62		99	96	82	57			
SS-15	100		SM		Silty Gravelly SAND; grayish brown; 22% non-plastic silt; 31% sub-angular gravel; 13% coarse sand; 18% medium sand; 16% fine sand; VERY DENSE.	28	41	4		48				2.64		69	56	38	22			
SS-16	100			50		14																
End of Borehole (15.69 m)																						

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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 (118/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS MLW - 28

OBJECT: Pasig-Marikina River Channel Imp. Proj.
CATION: L. Side Offshore, Malanday, Marikina
NO: BMLW-28 **DATE DRILLED:** 17 - 19 January 2001

GROUND ELEV. (MLLW = Zero Datum) + 11.130
STATION NO.: 15 + 100
WEATHER: FAIR

DEPTH OF WATER: 1.80 m.
DATE MEASURED: 17 Jan. 2001
TIME MEASURED: 2:20 PM

COORDINATES: 1620481.100 N, 509699.250 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 ²	STRAIN %	4	10	40	200	
						10	20	30	40	50															
SS-1	89	[Symbol]	CH		Sandy CLAY; gray; 12% fine sand; 87% high plasticity clay; FIRM TO STIFF.	2	3	4						39	66	44	2.60				100	99	87*		
SS-2	89	[Symbol]				5	6	6																	
SS-3	89	[Symbol]	CL		Sandy CLAY; brown; 33% fine sand; 65% low plasticity clay. VERY STIFF.	7	7	9						34	44	23	2.61			99	99	98	65*		
SS-4	89	[Symbol]				7	7	10																	
SS-5	89	[Symbol]				7	8	10																	
SS-6	89	[Symbol]			Silty SAND; brown; 31% non-plastic silt; 66% fine sand with little amount of medium sand; MEDIUM DENSE TO DENSE.	9	12	13						31			2.63			100	97	31			
SS-7	89	[Symbol]				11	15	26																	
SS-8	100	[Symbol]	SM		Silty Gravelly SAND; brown; 12% non-plastic silt; 15% sub-angular gravel; 18% coarse sand; 39% medium sand; 16% fine sand; VERY DENSE TO DENSE.	20	27	23/13																	
SS-9	89	[Symbol]				12	15	11						19			2.64			85	67	28	12		
SS-10	89	[Symbol]				10	17	18																	
SS-11	89	[Symbol]			Silty SAND; brown; 20% sub-angular gravel; 31% non-plastic silt; 14% coarse sand; 22% medium sand; 13% fine sand; DENSE.	6	15	16						29			2.64			80	66	44	31		
SS-12	56	[Symbol]	GW GM		Gravelly SAND; brown; 39% sub-angular gravel; 27% coarse sand, 18% medium sand; 10% fine sand with 6% non-plastic silt; VERY DENSE TO DENSE.	23	30	20/10						10			2.65			61	34	16	6		
SS-13	33	[Symbol]				16	19	28																	
SS-14	44	[Symbol]	SM		Silty SAND; brown; non-plastic silt; fine to coarse sand. DENSE.	14	17	19																	
SS-15	44	[Symbol]	GW		Sandy GRAVEL; brown; 16% coarse sand; 15% medium sand with traces of non-plastic silt and fine sand; 57% sub-angular gravel; DENSE.	17	24	26						11			2.65			43	27	12	4		
SS-16	52	[Symbol]	CH		Sandy CLAY; gray; 32% fine sand with traces of medium sand; 61% high plasticity clay; HARD.	13	23	27/14						53	63	42	2.61			100	93	61			
End of Borehole (15.99 m)																									

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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 (119/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS MRL - 8

PROJECT: Pasig-Marikina River Channel Imp. Proj.	GROUND ELEV. (MLLW = Zero Datum) <u>+ 14.236</u>	DEPTH OF WATER: <u>2.30</u> m.
LOCATION: Right Bank, Ugong Sur, Pasig City	STATION NO.: <u>2 + 000</u>	DATE MEASURED: <u>28 Feb. 2001</u>
BH NO: BMRL-8 DATE DRILLED: 28 February 2001	WEATHER: <u>FAIR</u>	TIME MEASURED: <u>7:00 AM</u>
COORDINATES: <u>1611,711.100</u> N, <u>507,931.250</u> 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/ccs	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 W, %	4	10	40	200			
1	SS-1	89		CH		Silty CLAY; gray; 94% high plastic clay; traces of fine sand; SOFT.	1	0	1						74	84	59	2.60								100	94*	
2	SS-2	100				Gravelly SAND; brownish gray; 43% gravel; with little amount of non-plastic silt; 24% coarse sand; 21% medium sand; 10% fine sand; VERY DENSE.	1	1	0																			
3	SS-3	89		SW				5	20	30																		
4	SS-4	83						50								57			2.65									
5	CR-1	38		Ts	12		Sandy TUFF; gray; highly weathered; moderately; HARD.	CORING																				
6	CR-2	45			0	SANDSTONE; brown; completely weathered; VERY SOFT.	CORING																					
7	CR-3	34			0		CORING																					
8	CR-4	29			0		CORING																					
9	CR-5	57		ST	0		SANDSTONE; brownish gray; completely weathered; VERY SOFT.	CORING																				
10	CR-6	69			14		SANDSTONE; gray; coarse grain sandstone; moderately weathered; HARD.	CORING																				
11	CR-7	62			62	CORING																						
12	CR-8	54			44	CORING								7	1.49			37.026	2.148									
13	CR-9	27		CG	18	Tuffaceous CONGLOMERATE; light gray with occasional gravel size pumice; moderately weathered; HARD.	CORING																					
14	CR-10	28		ST	0	SANDSTONE; light gray; medium grain; highly weathered; Moderately HARD.	CORING																					
15	CR-11	25		CG	11	Tuffaceous CONGLOMERATE; light gray; with occasional gravel size pumice; highly weathered; Moderately HARD.	CORING																					
16						End of Borehole (15.00 m)																						



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

LEGEND:



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

図5-3-3 (120/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS MRL - 9

PROJECT: Pasig-Marikina River Channel Imp. Proj. GROUND ELEV. (MLLW = Zero Datum) + 15.668 DEPTH OF WATER: 2.20 m.
 LOCATION: R. Bank, Ugong Sur, Pasig City STATION NO.: 2 + 365 DATE MEASURED: 28 Feb. 2001
 BH NO: BMRL-9 DATE DRILLED: 28 Feb. - 01 March 2001 WEATHER: FAIR TIME MEASURED: 8:00 AM
 COORDINATES: 1612,013.750 N, 508,165.100 E

DEPTH, m	SAMPLE NO.	RECOVERY (%)	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												
							15 cm	15 cm	15 cm	(N-VALUE)							LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN %	4	10	40	200									
1	SS-1	78				Silty SAND; brownish gray; 36% non-plastic silt; 59% fine sand with traces of medium sand; SOFT.	1	1	3									2.83																
2	SS-2	78		SM		Silty SAND; grayish brown; 14% non-plastic silt; 25% medium sand; 55% fine sand; with little amount of gravel and coarse sand; VERY LOOSE TO LOOSE.	1	1	2																									
3	SS-3	89					1	2	1									2.83																
4	SS-4	100					3	4	5																									
5	SS-5	100					1	1	2																									
6	SS-6	100		CH		Sandy CLAY; gray; 10% fine sand; 90% high plasticity organic clay; SOFT TO VERY SOFT.	2	1	1																									
7	SS-7	100					1	1	2																									
8	SS-8	100					1	1	0																									
9	SS-9	100		CL		Sandy CLAY; gray; 47% fine sand; 53% medium plasticity clay; STIFF.	2	5	8																									
10	SS-10	100					5	5	7																									
11	SS-11	100		ML		Sandy SILT; grayish brown; 10% medium sand; 52% non-plastic silt; STIFF TO VERY STIFF.	6	8	7																									
12	SS-12	100					7	7	12																									
13	SS-13	100					8	8	5																									
14	SS-14	100				Silty CLAY; dark gray; 92% high plasticity silty clay; traces of fine sand; STIFF.	5	6	6																									
15	SS-15	100					4	8	7																									
16	SS-16	100		CH			4	5	6																									
17	SS-17	100				Sandy CLAY; yellowish gray; 15% fine sand with traces of medium sand; 72% high plasticity clay; VERY STIFF TO HARD.	8	12	13																									
18	SS-18	100					13	17	22																									
19	SS-19	100				Silty CLAY; light brown; 96% high plasticity silty clay with little amount of fine sand; VERY STIFF.	9	13	14																									
20	SS-20	100				End of Borehole (20.00 m)	12	12	10																									



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 SUPERVISOR: M. ESTAURA

LEGEND:

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

図5-3-3 (121/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MRL - 10**

PROJECT: Pasig-Marikina River Channel Imp. Proj. **GROUND ELEV.** (MLLW = Zero Datum) + 12.985 **DEPTH OF WATER:** 2.80 m.
LOCATION: R. Bank, Ugong Sur, Pasig City **STATION NO.:** 2 + 765.00 **DATE MEASURED:** 20 Feb, 2001
BH NO: BMRL-10 **DATE DRILLED:** 20 February 2001 **WEATHER:** FAIR **TIME MEASURED:** 4:00 PM
COORDINATES: 1612,287.100 N, 508,446.250 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) 10 20 30 40 50							LIQUID LIMIT, %	PLASTICITY INDEX, %		STRENGTH kg/cm ²	STRAIN %	4	10	40	200
1	SS-1	100		CH		Sandy CLAY; grayish brown; 22% fine sand; traces of medium sand; with little amount of gravel and coarse sand; 64% high plasticity clay; VERY SOFT.	1	0	0					44	75	54	2.61			97	95	86	84*		
2	SS-2	100		SM		Silty SAND; brownish gray; 38% non-plastic silt; 58% fine sand; with little amount of coarse and medium sand; VERY LOOSE TO MEDIUM DENSE.	1	1	2																
3	SS-3	100			2		3	2							29			2.63			100	98	86	38	
4	SS-4	100			1		2	2																	
5	SS-5	100			6		6	6																	
6	SS-6	100		CH		Sandy CLAY; gray; 10% fine sand; 86% high plasticity clay; SOFT TO FIRM.	2	1	1					37	68	44	2.60			99	97	96	86*		
7	SS-7	100			1		2	2																	
8	SS-8	100			2		3	5																	
9	SS-9	100			1		3	3							56	74	42	2.60			99	97	95	92*	
10	SS-10	100			2		3	4																	
11	SS-11	88			3		4	4																	
12	SS-12	100			3		3	5							24	58	38	2.61			100	99	70*		
13	SS-13	100			5		6	8																	
14	SS-14	100			4		4	5																	
15	SS-15	100			3		3	4							34	74	51	2.60						100	84*
16	SS-16	100		2	2	5																			
17	SS-17	100		2	3	5																			
18	SS-18	100		5	7	8							33	69	41	2.61			92	92	90	88*			
19	SS-19	100		7	8	9																			
20	SS-20	100				End of Borehole (20.00 m)	17	24	29				22	73	51	2.80						100	88*		

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

図5-3-3 (122/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MRL - 11**

PROJECT: Pasig-Marikina River Channel Imp. Proj.
LOCATION: R. Bank, Ugong Norte, Pasig City
BH NO: BMRL-11 **DATE DRILLED:** 21 February 2001

GROUND ELEV. (MLLW = Zero Datum) + 11.656
STATION NO.: 3 + 150
WEATHER: FAIR

DEPTH OF WATER: 1.20 m.
DATE MEASURED: 21 Feb. 2001
TIME MEASURED: 5:00 PM

COORDINATES: 1812,605.100 N, 508,649.100 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
1	SS-1	100		CH		Silty CLAY; dark gray; 87% high plastic clay with little amount of medium sand; with traces of fine sand; VERY SOFT TO SOFT.	1	1	0	10	20	30	40	50	69	69	45	2.60			100	99	96	87*
2	SS-2	100					1	1	2															
3	SS-3	100		SM		Silty SAND; dark gray; 22% non-plastic silt; 14% sub-rounded gravel; 17% coarse sand; 23% medium sand; 24% fine sand; STIFF TO SOFT.	4	5	7						22			2.64			86	69	46	22
4	SS-4	100					1	2	1															
5	SS-5	67		GW		Sandy GRAVEL; dark gray; with little amount of non-plastic silt; 13% coarse sand; with traces of medium sand; with little amount of fine sand; 72% sub-rounded gravel; DENSE TO MEDIUM DENSE.	15	17	19						8			2.66			28	15	8	2
6	SS-6	89					5	5	9															
7	SS-7	78					8	11	16															
8	SS-8	100				Silty CLAY; dark gray to dark brown gray; 93% high plasticity clay; with little amount of coarse to fine sand; VERY STIFF TO SOFT.	5	6	6															
9	SS-9	100					1	2	2						59	70	40	2.80			100	98	95	93*
10	SS-10	89		CH			2	2	2															
11	SS-11	100					1	2	2															
12	SS-12	89				Sandy CLAY; dark gray to dark brown gray; with little amount of medium sand; 12-33% fine sand; 65-88% high plasticity clay; STIFF.	2	3	3						27	59	37	2.81			100	96	85*	
13	SS-13	100					2	3	4															
14	SS-14	69					4	4	6															
15	SS-15	100					2	4	5						29	66	45	2.80			100	88*		
16	SS-16	89					3	4	3															
17	SS-17	100				Silty CLAY; dark brown gray; 95-98% high plasticity clay; with little amount of medium sand and fine sand; STIFF TO VERY STIFF.	5	5	7															
18	SS-18	89		CH			8	10	13						25	88	46	2.80			100	89*		
19	SS-19	100					4	5	5															
20	SS-20	100				End of Borehole (20.00 m)	6	8	10						27	65	42	2.80			100	89	96	95*



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
 LDS - UNDISTURBED SAMPLE
 CR - CORE SAMPLE
 W/ HYDROMETER ANALYSIS

図5-3-3 (123/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS MRL - 12

PROJECT: Pasig-Marikina River Channel Imp. Proj.	GROUND ELEV. (MLLW = Zero Datum) + 12.424	DEPTH OF WATER: 1.65 m.
LOCATION: R. Bank, Ugong Norte, Pasig City	STATION NO.: 3 + 380	DATE MEASURED: 24 Feb. 2001
BH NO: BMRL-12 DATE DRILLED: 23 - 24 February 2001	WEATHER: FAIR	TIME MEASURED: 10:20 AM
COORDINATES: 1612,818.750 N, 508,718.100 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															
1	SS-1	100	▨	CH		Sandy CLAY; dark gray; 35% fine sand; 64% high plasticity clay; VERY SOFT.	1	1	0						53	89	49	2.81																						
2	SS-2	100	▨	CH		Sandy CLAY; dark gray to dark brownish Gray; 11% sub-angular gravel; traces of coarse sand; 15% medium sand; 19% fine sand; 47% high plasticity clay; SOFT.	1	0	1																															
3	SS-3	100	▨	CH			1	2	1						47	58	35	2.83						89	81	68	47													
4	SS-4	100	▨	CH			1	2	2																															
5	SS-5	100	▨	CH			1	2	2																															
6	SS-6	100	▨	CH		Sandy CLAY; dark gray; 15% gravel; traces of wood fragment; 10% fine sand; 73% high plasticity clay; FIRM.	2	2	2						68	65	43	2.82								85	84	83	73											
7	SS-7	100	▨	CH		Sandy CLAY; dark gray; with little amount of medium sand; 32% fine sand; 66% high plasticity clay, STIFF.	2	2	3																															
8	SS-8	100	▨	CH			1	2	4																															
9	SS-9	100	▨	CH			2	3	6						37			2.81										100	98	96										
10	SS-10	100	▨	CH			1	2	4						78	84	56	2.80										100	99	96	93									
11	SS-11	100	▨	CH			3	3	4																															
12	SS-12	100	▨	CH		Silty CLAY; dark gray to brownish gray; 93-99% high plasticity clay; traces of fine sand; FIRM TO VERY STIFF.	2	3	4						45	47	22	2.80											100	99	96									
13	SS-13	100	▨	CH			4	3	3																															
14	SS-14	100	▨	CH			2	4	4																															
15	SS-15	100	▨	CH			4	5	6						54	52	31	2.80											100	99	99	99								
16	SS-16	100	▨	CH			5	7	9																															
17	SS-17	100	▨	CH			9	10	14																															
18	SS-18	100	▨	CH			10	11	13						39	53	33	2.80																						
19	SS-19	100	▨	CH			10	11	11																															
20	SS-20	100	▨	CH			End of Borehole (20.00 m)	10	13	11					35	61	37	2.80											99	98	97	98								

	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 * WW - HYDROMETER ANALYSIS
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図5-3-3 (124/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MRL - 13**

PROJECT: Pasig-Marikina River Channel Imp. Proj. **GROUND ELEV.** (MLLW = Zero Datum) + 12.845 **DEPTH OF WATER:** 1.00 m.
LOCATION: R. Bank, Ugong Norte, Pasig City **STATION NO.:** 3 + 650 **DATE MEASURED:** 24 Feb. 2001
BH NO: BMRL-13 **DATE DRILLED:** 24 - 26 February 2001 **WEATHER:** FAIR **TIME MEASURED:** 10:00 AM
COORDINATES: 1613,084.500 N, 508,789.100 E

DEPTH, m	SAMPLE NO.	RECOVERY (%)	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 ²	STRAIN %	4	10	40	200
1	SS-1	67				Fine to Medium SAND; gray to dark greenish gray; with traces of coarse sand; 5-11% medium sand; 79-93% fine sand; with little amount of non-plastic silt; VERY LOOSE.	1	0	0						35			2.63		99	83	82	3		
2	SS-2	67		SP			1	0	0																
3	SS-3	67					1	0	0						40			2.63		100	98	94	1		
4	SS-4	89				Clayey GRAVEL; brownish gray to gray; 38% high plasticity clay; 11% coarse sand; with little amount of medium sand; traces of fine sand; 40% sub-angular gravel; VERY SOFT TO VERY STIFF.	2	1	1																
5	SS-5	67					1	1	0																
6	SS-6	60		GC			1	0	0						28	84	42	2.64		80	49	45	38		
7	SS-7	78					1	0	4																
8	SS-8	78					4	5	10																
9	SS-9	88					6	3	5						48	81	38	2.60		100	89	86*			
10	SS-10	89					8	2	2																
11	SS-11	89				Silty CLAY; dark gray to dark brownish gray; 96-98% high plasticity clay; with little amount of fine sand; STIFF.	2	3	3																
12	SS-12	89		CH			2	3	3						60	85	44	2.60		100	99	99	88*		
13	SS-13	67					3	1	1																
14	SS-14	78				3	1	1																	
15	SS-15	89				5	7	7						38	59	37	2.80		100	98	98*				
16	SS-16	100			SW	Gravelly SAND; dark gray; 13% sub-rounded gravel; with little amount of non-plastic silt; 22% coarse sand; 32% medium sand; 31% fine sand; VERY DENSE.	12	50	10					34			2.64		87	65	33	2			
17	SS-17	100					50	11																	
18						End of Borehole (16.66 m)																			



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

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

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MRL - 14**

PROJECT: Pasig-Marikina River Channel Imp. Proj.
LOCATION: R. Bank, Rosario, Pasig
BH NO: BMRL-14 **DATE DRILLED:** 02 - 03 March 2001
GROUND ELEV. (MLLW = Zero Datum): + 15.412
STATION NO.: 3 + 925
WEATHER: FAIR
DEPTH OF WATER: 2.50 m.
DATE MEASURED: 02 Mar. 2001
TIME MEASURED: 8:00 AM
COORDINATES: 1613,334.250 N, 508,823.250 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 ²	STRAIN %, N	4	10	40	200	
1	SS-1	33		SM		Silty SAND; grayish brown; 25% non-plastic silt; with little amount of medium sand; 72% fine sand; VERY SOFT.	1	0	1	10	20	30	40	50	40			2.63			100	87	25			
2	SS-2	100		CH		Sandy CLAY; greenish gray to gray; little amount of medium sand; 21% fine sand; 76% high plasticity clay; SOFT TO STIFF.	2	1	2						47	56	33	2.61			100	97	76*			
3	SS-3	100					3	6	4																	
4	SS-4	89		SM		Silty SAND; gray; 21% non-plastic silt; 13% medium sand; 66% fine sand; STIFF.	2	3	6						30			2.63			100	87	21			
5	SS-5	100				Sandy CLAY; dark brown gray; 13% fine sand; 87% high plasticity clay; FIRM.	1	2	2										Cc 0.290	Pc 1.590						
6	UDS-1	100					PRESSED								34	1.73	73	48	2.61	0.978	4.571			100	87*	
7	SS-6	100					2	1	3						50		55	30	2.61			100	97	93	90*	
8	UDS-2	100				Silty CLAY; dark brown gray; 92 - 96% high plasticity clay; with little amount of coarse sand and medium sand; traces of fine sand; FIRM.	PRESSED								50	1.73	64	40	2.60	1.608	4.000	99	99	98	92*	
9	SS-7	100		CH			2	2	3											Cc 0.390	Pc 0.900					
10	UDS-3	100					PRESSED								50	1.73	69	47	2.61	0.900	16.571	100	99	99	96*	
11	SS-8	100					3	3	4																	
12	SS-9	100				Sandy CLAY; dark brown-gray to brown; with little amount of coarse sand and medium sand; 13-15% fine sand; 82-84% high plasticity clay; STIFF TO VERY STIFF.	5	6	7						35		61	40	2.60					100	99	84*
13	SS-10	100					4	7	8																	
14	SS-11	89					25	11	12																	
15	SS-12	89					5	5	8						31		77	57	2.61			100	98	95	82*	
16	SS-13	89		CL		Clayey SAND; brown; 46% low plasticity; with little amount of gravel; traces of coarse sand; 17% medium sand; 26% fine sand; VERY STIFF.	5	7	8																	
17	SS-14	89					8	10	12																	
18	SS-15	89					8	12	16						21		45	25	2.63			95	89	72	48	
19	SS-16	89		CH		Silty CLAY; brown; 88% high plasticity clay; with little amount of gravel and coarse sand and medium sand; traces of fine sand; VERY STIFF.	10	13	16																	
20	SS-17	89				End of Borehole (20.00 m)	10	13	17						36		62	37	2.61			97	96	84	89*	



BASIC TECHNOLOGY AND MANAGEMENT CORPORATION
 2nd Floor Prudential Bank Building,
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MACHINE: ACKER ACE
DRILLER: P. CAPINA
SUPERVISOR: M. ESTAURA

LEGEND:

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

図5-3-3 (126/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MRL - 15**

PROJECT: Pasig-Marikina River Channel Imp. Proj.		GROUND ELEV. (MLLV = Zero Datum) <u>+ 15.614</u>		DEPTH OF WATER: <u>2.50</u> m.	
LOCATION: R. Bank, Rosario Bridge, Rosario Pasig		STATION NO.: <u>4 + 150</u>		DATE MEASURED: <u>01 Mar. 2001</u>	
BH NO: BMRL-15 DATE DRILLED: 16 Feb. - 01 March 2001		WEATHER: <u>FAIR</u>		TIME MEASURED: <u>12:00 PM</u>	
		COORDINATES: <u>1613,549.990</u> N, <u>508,788.750</u> 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 ²	STRAIN %	4	10	40	200		
1	SS-1	33		CL		Clayey SAND; grayish brown; 41% low plasticity clay; with little amount of medium sand; 54% fine sand; VERY SOFT.	1	0	0																		
2	SS-2	89												58	43	14	2.63										
3	UDS-1	100		CH		Silty CLAY; dark brownish gray; 90-91% high plasticity clay; with little amount of coarse sand and medium sand; traces of fine sand; SOFT TO FIRM.	PRESSED							73	1.57	72	47	2.61									
4	SS-3	89												69	70	39	2.60										
5	SS-4	100																									
6	SS-5	33		SM		Silty SAND; gray; 14% non-plastic silt; traces of sub-angular gravel; 40% coarse sand; 28% medium sand; 13% fine sand; VERY STIFF.	10	11	13					13													
7	SS-6	100		CH		Silty CLAY; gray; 91% high plasticity clay; with little amount of medium sand and fine sand; FIRM.	3	3	5					45	62	41	2.60										
8	SS-7	44		SM		Silty SAND; gray; 14% non-plastic silt; 26% coarse sand; 40% medium sand; 20% fine sand; VERY STIFF.	5	7	9					15													
9	SS-8	100		CH		Sandy CLAY; gray; 11-27% fine sand; 73-88% medium to high plasticity clay; FIRM.	2	2	2					48	53	33	2.60										
10	UDS-2	100					PRESSED							42	1.69	49	28	2.61									
11	SS-9	67		SM		Silty SAND; brownish gray to dark gray; 12% non-plastic silt; 20% sub-rounded gravel; with traces of coarse sand; 45% medium sand; 16% fine sand; STIFF TO FIRM.	9	9	4					25													
12	SS-10	100																									
13	SS-11	89																									
14	SS-12	100												39	68	37	2.61										
15	SS-13	100																									
16	SS-14	100		CH		Silty CLAY; gray to brown; 93-99% high plasticity clay; with little amount of gravel and coarse to fine sand; STIFF TO VERY STIFF.	7	9	13																		
17	SS-15	100												45	70	37	2.60										
18	SS-16	100																									
19	SS-17	100																									
20	SS-18	100				End of Borehole (20.00 m)	4	5	8					54	89	38	2.60										



BASIC TECHNOLOGY AND MANAGEMENT CORPORATION
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MACHINE: ACKER ACE
DRILLER: P. CAPINA
SUPERVISOR: M. ESTAURA

LEGEND:

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

図5-3-3 (127/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MRL - 16**

PROJECT: Pasig-Marikina River Channel Imp. Proj.	GROUND ELEV. (MLLW = Zero Datum) + 15.865	DEPTH OF WATER: 2.00 m.
LOCATION: R. Bank, Ugong Norte, Pasig City	STATION NO.: 4 + 320	DATE MEASURED: 12 Feb. 2001
BH NO: BMRL-16 DATE DRILLED: 11 - 12 February 2001	WEATHER: FAIR	TIME MEASURED: 11:30 AM
COORDINATES: 1613,715.100 N, 508,752.850 E		

DEPTH, m	SAMPLE NO.	RECOVERY (%)	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 ²	STRAIN %	4	10	40	200	
1	SS-1	100	[Symbol]				2	2	2	10	20	30	40	50	62	65	43	2.60			98	98	97	86*		
2	SS-2	88	[Symbol]				2	3	2																	
3	SS-3	89	[Symbol]			Sandy CLAY; dark brown to dark gray; with little amount of gravel and medium sand; 11-22% fine sand; 77-89% high plasticity clay; SOFT TO FIRM.	3	2	2						39	55	32	2.60					100	88*		
4	SS-4	89	[Symbol]				3	3	3																	
5	UDS-1	100	[Symbol]				PRESSED								38	1.72	52	29	2.62	0.210	3.429	100	98	77*		
6	SS-5	100	[Symbol]	CH			4	3	3																	
7	SS-6	89	[Symbol]				4	4	4						41	57	31	2.60					100	85*		
8	SS-7	88	[Symbol]				5	4	5																	
9	SS-8	88	[Symbol]			Silty CLAY; dark brownish gray; 96% high plasticity clay; with little amount of coarse to fine sand; FIRM TO STIFF.	5	5	6																	
10	SS-9	89	[Symbol]				3	3	5						59	56	38	2.60					100	89	97	98*
11	SS-10	100	[Symbol]				5	7	6																	
12	SS-11	100	[Symbol]	SW		Gravelly SAND; dark brownish gray; 36% gravel; 12% non-plastic silt; 23% coarse sand; 19% medium sand; 10% fine sand; VERY DENSE.	10	28	10						38			2.64				64	41	22	12	
13	CR-1	86	[Symbol]	LT	30	Lapilli TUFF; buff to creamy white; highly weathered; lapilli concretions present and abundant in a clayey silty tuffaceous matrix; HARD.	CORING								28	1.35				28.049	1.302					
14	CR-2	92	[Symbol]	ST	00	Tuffaceous SANDSTONE; buff to creamy white; highly weathered; lapilli concretions abundant in a silty-coarse sand tuffaceous matrix; shattered; HARD.	CORING																			
15	CR-3	72	[Symbol]		48		CORING																			
16						End of Borehole (15.00 m)																				


 <p>BASIC TECHNOLOGY AND MANAGEMENT CORPORATION 2nd Floor Prudential Bank Building, 1377 A. Mabini St., Ermita, Manila</p>	MACHINE: ACKER ACE	<p>LEGEND:</p> <ul style="list-style-type: none"> SS - SPLIT SPOON SAMPLE WS - WASH SAMPLE UDS - UNDISTURBED SAMPLE CR - CORE SAMPLE W/ HYDROMETER ANALYSIS
	DRILLER: R. CASCAYAN JIMENEZ	
	SUPERVISOR: M. ESTAURA	

図5-3-3 (128/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS MRL - 17

PROJECT: Pasig-Marikina River Channel Imp. Proj. **GROUND ELEV.** (MLLW = Zero Datum) + 17.756 **DEPTH OF WATER:** 2.00 m.
LOCATION: Green Meadows, Pasig City **STATION NO.:** 4 + 800 **DATE MEASURED:** 11 Feb. 2001
BH NO: BMRL-17 **DATE DRILLED:** 10 - 11 February 2001 **WEATHER:** FAIR **TIME MEASURED:** 5:00 PM
COORDINATES: 1614,199.850 N, 508,655.250 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		UNCONFINED COMP. TEST		SIEVE ANALYSIS % PASSING SIEVE					
							15 cm	15 cm	15 cm	(N-VALUE) 10 20 30 40 50					LIQUID LIMIT, %	PLASTICITY INDEX, %	SPECIFIC GRAVITY	STRENGTH kg/cm ²	STRAIN %	4	10	40	200					
1	UDS-1	100	[Symbol]	CH		Sandy CLAY; gray; 4% fine sand; 89% high plasticity clay; VERY SOFT.																						
2	UDS-2	100	[Symbol]	CH		Sandy CLAY; gray; 3% coarse sand; traces of medium to fine sand; with little amount of gravel; 89% plasticity clay; VERY SOFT.																						
3	SS-1	78	[Symbol]	GM		Sandy GRAVEL; dark gray; 10% medium sand; 11% fine sand; traces of coarse sand; 10% non-plastic silt; DENSE.	18	20	19																			
4	SS-2	67	[Symbol]	GC			17	19	20																			
5	SS-3	100	[Symbol]	GC		Clayey GRAVEL; brownish gray; 10% coarse sand; traces of medium and fine sand; 37% high plasticity clay; 42% angular gravel; MEDIUM DENSE.	16	13	12																			
6	SS-4	100	[Symbol]				8	7	7																			
7	SS-5	100	[Symbol]	CH		Silty CLAY; dark brownish gray; 93% high plasticity silty clay; with little amount of coarse to fine sand; STIFF.	5	7	4																			
8	SS-6	100	[Symbol]	CH			6	6	7																			
9	SS-7	100	[Symbol]				5	5	4																			
10	SS-8	100	[Symbol]				6	7	6																			
11	SS-9	100	[Symbol]	CH		Gravelly CLAY; dark brownish gray; 11% fine sand; traces of medium sand; 23% sub-angular gravel; 61% high plasticity clay; VERY STIFF.	10	12	12																			
12	SS-10	100	[Symbol]	CH			11	13	15																			
13	SS-11	89	[Symbol]				12	12	14																			
14	SS-12	100	[Symbol]	CH		Sandy CLAY; dark gray; 21% fine sand with traces of gravel and coarse to medium sand; 64% high plasticity clay; HARD.	20	30	20																			
15	SS-13	64	[Symbol]				21	28	9																			
16	CR-1	20	[Symbol]	CG		Tuffaceous CONGLOMERATE; brownish gray; hard; broken; moderately to highly weathered; Moderately HARD.																						
17						END OF BOREHOLE (16.00 m)																						
18																												
19																												
20																												



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

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 (129/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS MRL - 18

PROJECT: Pasig-Marikina River Channel Imp. Proj.

GROUND ELEV. (MLLW = Zero Datum) + 13.725
STATION NO.: 5 + 050

DEPTH OF WATER: 1.00 m.
DATE MEASURED: 09 Feb. 2001

LOCATION: R. Bank, Ugong, Pasig City

WEATHER: FAIR

TIME MEASURED: 4:00 PM

NO: BMRL-18 DATE DRILLED: 09 February 2001

COORDINATES: 1614,451.100 N, 508,702.100 E

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 ²	STRAIN %	4	10	40	200					
1	UDS-1	100		CH		Sandy CLAY; gray, 45% fine sand; with little amount of medium sand; 50% high plasticity clay with shell fragments; VERY SOFT.					54	1.69	57	35	2.62	Cc 0.440	Pc 1.150									
						Silty CLAY; gray; 90% high plasticity silty clay with traces of gravel size shell fragments; VERY SOFT.	PRESSED																			
2	UDS-2	100		GP SP		Sandy GRAVEL; gray; 71% sub-angular gravel with traces coarse to fine sand and non-plastic silt; VERY DENSE.					60	1.59	62	40	2.60	Cc 0.455	Pc 0.940									
						Gravelly SAND; gray; 25% non-plastic silt; 28% sub-angular gravel; 17% coarse sand; 17% medium sand; 13% fine sand; VERY DENSE.	PRESSED																			
3	SS-1	63		SP		CONGLOMERATE; grayish brown; moderately weathered; broken matrix; moderately HARD.																				
											21				2.65											
4	SS-2	68		SP		CONGLOMERATE; grayish brown; to buff moderately to highly weathered; moderately HARD.																				
											19				2.64											
5	CR-1	96		CG	72	SANDSTONE; light gray; well cemented fresh to slightly weathered; HARD.						23	1.61				100.707	3.158								
											30	1.58					83.591	2.691								
6	CR-2	76		ST	32	SANDSTONE; buff highly to completely weathered; broken; VERY SOFT.						16	1.63				171.481	4.902								
											19	1.63					169.595	4.865								
7	CR-3	59		ST	25	SANDSTONE; buff poorly cemented; completely weathered; VERY SOFT.						23	1.67				78.225	2.671								
											19	1.67					134.728	4.425								
8	CR-4	47		ST	47	CONGLOMERATE; grayish brown; moderately weathered broken; HARD.						22	1.65				91.712	2.688								
9	CR-5	37		CG	37	CONGLOMERATE; grayish brown; moderately weathered broken; HARD.																				
10	CR-6	42		CG	0	CONGLOMERATE; grayish brown; moderately weathered broken; HARD.																				
11	CR-7	30		CG	30	CONGLOMERATE; grayish brown; moderately weathered broken; HARD.																				
12	CR-8	19		CG	13	CONGLOMERATE; grayish brown; moderately weathered broken; HARD.																				
13	CR-9	18		CG	0	CONGLOMERATE; grayish brown; moderately weathered broken; HARD.																				
14	CR-10	30		CG	30	CONGLOMERATE; grayish brown; moderately weathered broken; HARD.																				
15	CR-11	44		CG	0	CONGLOMERATE; grayish brown; moderately weathered broken; HARD.																				
16						End of Borehole (15.00 m)																				



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