

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 8**

PROJECT: Pasig-Marikina River Channel Imp. Proj.
 LOCATION: Caniogan, Pasig City
 DATE DRILLED: 01 March 2001
 GROUND ELEV. (MLLW = Zero Datum) + 10.460
 STATION NO.: 2 + 000
 WEATHER: FAIR
 COORDINATES: 1611675.250 N, 508005.750 E
 DEPTH OF WATER: 2.00 m.
 DATE MEASURED: 01 Mar. 2001
 TIME MEASURED: 8:00 AM

| DEPTH (m) | 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 |
| | | | | | | | 10 | 20 | 30 | 40 | 50 | | | | | | | | | | | | | | |
| 89 | | | | SC | | Clayey SAND; dark gray; 47% high plasticity clay; 49% fine sand, VERY SOFT. | 1 | 0 | 0 | | | | | 57 | 59 | 36 | 2.63 | | | 99 | 98 | 96 | 47 | | |
| 89 | | | | CH | | Sandy CLAY; darkgray; 64% high plasticity clay; 34% fine sand; VERY SOFT. | 1 | 0 | 0 | | | | | | | | | | | | | | | | |
| 89 | | | | | 1 | | 0 | 0 | | | | | | | 62 | 63 | 43 | 2.61 | | | 99 | 99 | 98 | 64 | |
| 89 | | | | | | 1 | 0 | 1 | | | | | | | | | | | | | | | | | |
| 100 | | | | CH | | Silty CLAY; dark gray, 92-96% high plasticity silty clay with little amount of fine sand. SOFT | 1 | 1 | 2 | | | | | 141 | 79 | 58 | 2.60 | | | | | 100 | 96 | | |
| 89 | | | | | 1 | | 2 | 1 | | | | | | | 62 | 73 | 48 | 2.61 | | | 98 | 96 | 94 | 92 | |
| 100 | | | | | | | Sandy CLAY; gray; 81% high plasticity clay; 17% fine sand; 2% medium sand; FIRM. | PRESSED | | | | | | | 48 | 1.66 | 55 | 28 | 2.60 | 0.866 | 13.143 | | 100 | 98 | 81 |
| 100 | | | | CH | | Sandy CLAY; gray; 60% high plasticity clay; 31% fine to medium sand; contains little amount of gravel; VERY STIFF. | 3 | 4 | 4 | | | | | | | | | | | | | | | | |
| 78 | | | | | | | 7 | 13 | 15 | | | | | | 60 | 62 | 41 | 2.62 | | | 93 | 91 | 77 | 60 | |
| 89 | | | | SM | | Silty SAND; brown; 15% coarse sand, 32% medium sand; 24% fine sand; 23% non-plastic with traces sub-angular gravel. V. DENSE. | 22 | 50 | | | | | | 50 | | | 2.63 | | | 94 | 79 | 47 | 23 | | |
| 24 | | | | ST | 0 | Tuffaceous SANDSTONE; Brownish gray; highly weathered coarse-grained, SOFT. | CORING | | | | | | | | | | | | | | | | | | |
| 44 | | | | Tf | 16 | TUFF; brown; moderately weathered; moderately hard w/ interbed of tuffaceous conglomerate. | CORING | | | | | | | | | | | | | | | | | | |
| 57 | | | | | 0 | | CORING | | | | | | | | | | | | | | | | | | |
| 53 | | | | ST | 24 | Tuffaceous SANDSTONE; light gray; very coarse grained with pea to pebble-sized pumice clast; highly weathered and broken; Moderately HARD. | CORING | | | | | | | 10 | 0.93 | | | | 16.197 | 1.872 | | | | | |
| 55 | | | | | 19 | | CORING | | | | | | | 9 | 1.34 | | | | 15.710 | 1.429 | | | | | |
| | | | | | | END OF BOREHOLE (15.00 m) | | | | | | | | | | | | | | | | | | | |

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

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 (42/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 9a**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**
 LOCATION: **Maybunga, Pasig City**
 DATE DRILLED: **27 - 28 February 2001**
 GROUND ELEV. (MLLW = Zero Datum) **+ 10.195**
 STATION NO.: **2 + 365**
 WEATHER: **FAIR**
 COORDINATES: **1611961.100 N, 508210.750 E**
 DEPTH OF WATER: **2.00** m.
 DATE MEASURED: **27 Feb. 2001**
 TIME MEASURED: **3:00 PM**

| 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 |
| SS-1 | 89 | | CL | | Sandy CLAY; grayish brown to gray; 62-76% low to high plasticity clay; 3-11% med. sand, 16- 21% fine sand; FIRM. | 3 | 4 | 3 | | | | | | 45 | 44 | 23 | 2.62 | | | 94 | 89 | 78 | 62 | |
| SS-2 | 89 | | | | | 3 | 3 | 3 | | | | | | | | | | | | | | | | |
| SS-3 | 89 | | | | | 5 | 4 | 4 | | | | | 38 | 57 | 35 | 2.61 | | | | 100 | 97 | 76 | | |
| SS-4 | 89 | | SM | | Silty SAND; gray; 21% medium sand; 61% fine sand; 18% non-plastic silt; DENSE To MEDIUM DENSE. | 12 | 13 | 14 | | | | | 22 | | | 2.63 | | | | 100 | 79 | 18 | | |
| SS-5 | 89 | | | | | 4 | 4 | 5 | | | | | | | | | | | | | | | | |
| SS-6 | 89 | | | | Silty CLAY; gray; 95-96% high plasticity silty clay with little amount of fine sand. VERY SOFT. | 2 | 1 | 1 | | | | | 49 | 65 | 42 | 2.60 | | | | 100 | 99 | 96 | | |
| UDS-1 | 100 | | CH | | | PRESSED | | | | | | | 62 | 1.57 | 65 | 42 | 2.60 | Cc 0.440 | Pc 0.740 | 100 | 99 | 98 | 95 | |
| UDS-2 | 100 | | | | Sandy CLAY; gray; 88% high plasticity clay; 10% fine sand; SOFT. | PRESSED | | | | | | | 44 | 1.59 | 55 | 34 | 2.60 | Cc 0.500 | Pc 1.620 | 100 | 99 | 98 | 88 | |
| SS-7 | 89 | | | | | 1 | 2 | 1 | | | | | | | | | | | | | | | | |
| UDS-3 | 100 | | CL | | Gravelly CLAY; gray; 65% low plasticity clay; 20% sub-angular gravel with traces of coarse to fine sand; SOFT to STIFF. | PRESSED | | | | | | | 43 | 1.55 | 43 | 21 | 2.62 | Cc 0.440 | Pc 1.020 | 80 | 75 | 73 | 65 | |
| SS-8 | 89 | | | | | 4 | 6 | 9 | | | | | | | | | | | | | | | | |
| SS-9 | 89 | | CH | | Silty CLAY; gray; 95% high plasticity silty clay with little amount of fine sand; FIRM to VERY STIFF. | 2 | 2 | 3 | | | | | 39 | 66 | 44 | 2.60 | | | | 100 | 100 | 95 | | |
| SS-10 | 89 | | | | | 3 | 7 | 9 | | | | | | | | | | | | | | | | |
| SS-11 | 89 | | SM | | Silty SAND; gray; 57% fine sand with little amount of med. sand; 39% non-plastic silt; MEDIUM DENSE. | 5 | 10 | 10 | | | | | 32 | | | 2.63 | | | | 100 | 96 | 39 | | |
| SS-12 | 89 | | | | | 3 | 2 | 3 | | | | | 56 | 63 | 40 | 2.60 | | | | 100 | 99 | 98 | | |
| SS-13 | 89 | | | | Silty CLAY; dark gray; 98% high plasticity silty clay; FIRM | 4 | 4 | 4 | | | | | | | | | | | | | | | | |
| SS-14 | 89 | | CH | | | 3 | 3 | 4 | | | | | | | | | | | | | | | | |
| SS-15 | 89 | | | | | 4 | 5 | 6 | | | | | 36 | 54 | 30 | 2.61 | | | | 100 | 98 | 92 | 83 | |
| SS-16 | 89 | | | | Silty CLAY; dark gray; 83% high plasticity clay; 6% medium sand; 9% fine sand; STIFF to VERY STIFF. | 5 | 6 | 8 | | | | | | | | | | | | | | | | |
| SS-17 | 89 | | | | | 7 | 9 | 10 | | | | | | | | | | | | | | | | |

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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
 W/ HYDROMETER ANALYSIS

図5-3-3 (43/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 9b**

PROJECT: Pasig-Marikina River Channel Imp. Proj. GROUND ELEV. (MLLW = Zero Datum) + 10.195 DEPTH OF WATER: 2.00 m.
 LOCATION: Maybunga, Pasig City STATION NO.: 2 + 365 DATE MEASURED: 27 Feb. 2001
 BOREHOLE NO.: BMLL-9 DATE DRILLED: 27 - 28 February 2001 WEATHER: FAIR TIME MEASURED: 3:00 PM
 COORDINATES: 1611961.100 N, 508210.750 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 % | 4 | 10 | 40 | 200 |
| 18 | 89 | | CH | | Silty CLAY; dark gray; 90% high plasticity silty clay w/ traces of fine sand; VERY STIFF. | 6 | 7 | 9 | 10 | 20 | 30 | 40 | 50 | 40 | 52 | 28 | 2.60 | | | 100 | 99 | 90* | | |
| | | | | | END OF BOREHOLE (21.00 m) | | | | | | | | | | | | | | | | | | | |

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 SUPERVISOR: M. Estaura

LEGEND:
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 CR - CORE SAMPLE
 * W/ HYDROMETER ANALYSIS

図5-3-3 (44/221) 柱状図 (フェーズI実施分)

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

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

GROUND ELEV. (MLLW = Zero Datum) **+ 10.415**

DEPTH OF WATER: **2.00** m.

LOCATION: **Maybunga, Pasig City**

STATION NO.: **3 + 150**

DATE MEASURED: **21 Feb. 2001**

WEATHER: **FAIR**

TIME MEASURED: **1:00 PM**

PROJECT NO.: **BMLL-11** DATE DRILLED: **20 - 21 February 2001**

COORDINATES: **1612581.251** N, **508715.655** E

| 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 | |
| 100 | | CH | | Silty CLAY; brownish gray; 93-90% high plasticity silty clay; VERY SOFT. | 1 | 0 | 0 | | | | | | 70 | 75 | 51 | 2.61 | | | 99 | 98 | 97 | 93* | | |
| 89 | | | | | 1 | 0 | 0 | | | | | | | | | | | | | | | | | |
| 67 | | | | | 1 | 0 | 0 | | | | | | 61 | 67 | 45 | 2.60 | | | | | 100 | 98* | | |
| 67 | | | | Sandy CLAY; dark gray; 19% fine sand with shell and little of gravel and coarse to medium sand; 74% high plasticity clay. SOFT | 8 | 1 | 1 | | | | | | | | | | | | | | | | | |
| 78 | | | | | 1 | 0 | 2 | | | | | | | | | | | | | | | | | |
| 89 | | | | | 2 | 1 | 2 | | | | | | 40 | 62 | 39 | 2.62 | | | 97 | 95 | 93 | 74* | | |
| 100 | | GC | | Clayey GRAVEL; dark gray; 62% angular gravel; 32% high plasticity clay; VERY LOOSE. | PRESSED | | | | | | | | 19 | 1.51 | 52 | 28 | 2.65 | Cc 0.440 | Pc 1.600 | 38 | 34 | 34 | 32 | |
| 90 | | CH | | Sandy CLAY; dark gray; 85% high plasticity clay; 5% fine sand with traces of gravel and shell fragments; VERY SOFT to FIRM | PRESSED | | | | | | | | 47 | 1.62 | 53 | 29 | 2.60 | Cc 0.280 | Pc 1.700 | 91 | 91 | 90 | 85* | |
| 89 | | | | | 3 | 2 | 3 | | | | | | | | | | | | | | | | | |
| 90 | | SM | | Silty SAND; dark gray; 41% coarse to fine sand with equal amount of non-plastic silt; 18% angular gravel & shell fragments; VERY LOOSE. | PRESSED | | | | | | | | 33 | 1.81 | | 2.64 | Cc 0.195 | Pc 1.080 | 82 | 54 | 49 | 41 | | |
| 56 | | | | Silty SAND; dark gray; 45% fine sand with little amount of gravel and coarse to medium sand; 45% non-plastic silt; MEDIUM DENSE. | 5 | 9 | 10 | | | | | | 29 | | | 2.63 | | | 97 | 93 | 90 | 45 | | |
| 56 | | | | | 6 | 7 | 10 | | | | | | | | | | | | | | | | | |
| 89 | | | | | 3 | 5 | 3 | | | | | | | | | | | | | | | | | |
| 89 | | | | Silty CLAY; brownish gray to brown; 97% high plasticity silty clay; FIRM To STIFF. | 2 | 3 | 3 | | | | | | 38 | 63 | 38 | 2.60 | | | | | 100 | 97* | | |
| 89 | | | | | 4 | 5 | 7 | | | | | | | | | | | | | | | | | |
| 89 | | CH | | | 4 | 4 | 6 | | | | | | | | | | | | | | | | | |
| 89 | | | | | 10 | 16 | 15 | | | | | | 32 | 73 | 46 | 2.60 | | | | | 100 | 99 | 98* | |
| 89 | | | | Silty CLAY; brownish gray to brown; 96-98% high plasticity silty clay; HARD. | 4 | 15 | 17 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | 50 | | | | | | | | | | | | | | | | | | |
| 89 | | | | End of Borehole (20.00 m) | 26 | 13 | | | | | | | | | | | | | | | | | | |
| 89 | | | | | 8 | 11 | 12 | | | | | | 32 | 67 | 35 | 2.60 | | | | | 99 | 98 | 97 | 96* |

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 SUPERVISOR: **M. VILLAFUERTE**

LEGEND:

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

図5-3-3 (46/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 12**

PROJECT: Pasig-Marikina River Channel Imp. Proj.
 LOCATION: Maybunga, Pasig City
 DATE DRILLED: 23 February 2001
 GROUND ELEV. (MLLW = Zero Datum) + 9.461
 STATION NO.: 3 + 380
 WEATHER: FAIR
 DEPTH OF WATER: 2.00 m.
 DATE MEASURED: 23 Feb. 2001
 TIME MEASURED: 5:00 PM
 COORDINATES: 1612798.540 N, 508778.869 E

| 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 |
| 44 | | | ML | | Sandy CLAY; brownish gray; 51% low plasticity clay; 48% fine sand; VERY SOFT. | 1 | 0 | 0 | 10 | 20 | 30 | 40 | 50 | 50 | | | | 2.62 | | | 100 | 99 | 51* | |
| 44 | | | CH | | Silty CLAY; brownish gray; 93% high plasticity silty clay with little amount of medium to fine sand. VERY SOFT to SOFT. | 1 | 0 | 0 | | | | | | | | | | | | | | | | |
| 62 | | | | | | 2 | 1 | 2 | | | | | | 72 | 68 | 44 | 2.61 | | | 100 | 99 | 97 | 93* | |
| 67 | | | SM | | Silty SAND; dark gray; 33% medium sand; 30% fine sand with little amount of sub-angular gravel and coarse sand; 27% non-plastic silt; MEDIUM DENSE. | 3 | 5 | 5 | | | | | | | | | | | | | | | | |
| 67 | | | | | | 5 | 6 | 2 | | | | | | | | | | | | | | | | |
| 78 | | | | | | 4 | 5 | 5 | | | | | | 38 | | | 2.64 | | | 94 | 90 | 57 | 27 | |
| 100 | | | | | Silty CLAY; dark gray; 91% high plasticity silty clay with little amount medium fine to fine sand; SOFT. | PRESSED | | | | | | | | 37 | 1.72 | 53 | 31 | 2.60 | Cc 0.475 | Pc 1.490 | 100 | 94 | 91* | |
| 100 | | | | | Sandy CLAY; dark gray; 73% high plasticity clay; 25% fine sand; SOFT. | PRESSED | | | | | | | | 34 | 1.74 | 65 | 37 | 2.61 | Cc 0.455 | Pc 2.130 | 100 | 99 | 98 | 73* |
| 89 | | | | | | 1 | 2 | 2 | | | | | | 66 | | 69 | 43 | 2.61 | | | 100 | 99 | 97 | 94* |
| 100 | | | | | | PRESSED | | | | | | | | 62 | 1.58 | 64 | 42 | 2.61 | Cc 0.525 | Pc 0.840 | 99 | 97 | 96 | 91* |
| 89 | | | | | | 5 | 5 | 5 | | | | | | | | | | | | | | | | |
| 89 | | | CH | | Silty CLAY; dark gray; 91-94% high plasticity silty clay with little amount of fine sand; STIFF. | 5 | 3 | 5 | | | | | | 36 | | 62 | 41 | 2.60 | | | 99 | 98 | 96 | 92* |
| 89 | | | | | | 2 | 3 | 3 | | | | | | | | | | | | | | | | |
| 89 | | | | | | 3 | 4 | 4 | | | | | | | | | | | | | | | | |
| 89 | | | | | | 4 | 5 | 7 | | | | | | 37 | | 63 | 33 | 2.60 | | | 99 | 97 | 95 | 94* |
| 89 | | | | | | 4 | 4 | 6 | | | | | | | | | | | | | | | | |
| 67 | | | | | Silty CLAY; dark gray; 95% high plasticity silty clay with traces of fine sand; VERY STIFF. | 8 | 11 | 13 | | | | | | | | | | | | | | | | |
| 67 | | | | | | 8 | 11 | 13 | | | | | | 34 | | 59 | 41 | 2.60 | | | 99 | 99 | 97 | 95* |
| 89 | | | | | Sandy CLAY; brown; 84% high plasticity clay; 12% fine sand with little amount of coarse to medium sand; VERY STIFF. | 7 | 9 | 12 | | | | | | | | | | | | | | | | |
| 89 | | | | | End of Borehole (20.00 m) | 6 | 9 | 10 | | | | | | 28 | | 54 | 32 | 2.61 | | | 100 | 98 | 96 | 84* |

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 SUPERVISOR: M. VILLAFUERTE


LEGEND:

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

図5-3-3 (47/221) 柱状図 (フェーズI実施分)

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

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**
 LOCATION: **Rosario, Pasig City**
 DATE DRILLED: **24 - 25 February 2001**
 GROUND ELEV. (MLLW = Zero Datum) **+ 8.986**
 STATION NO.: **3 + 650**
 WEATHER: **FAIR**
 COORDINATES: **1613064.701 N, 508852.135 E**
 DEPTH OF WATER: **3.80** m.
 DATE MEASURED: **24 Feb. 2001**
 TIME MEASURED: **1:00 PM**

| 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 |
| | | | | | | 10 | 20 | 30 | 40 | 50 | | | | | | | | | | | | | | |
| S-1 | 89 | | CL | | Sandy CLAY; dark brownish gray; 59% low to medium plasticity clay w/ little amt. of gravel; 35% fine sand; VERY SOFT. | 1 | 0 | 0 | | | | | | 37 | 47 | 28 | 2.62 | | | 95 | 95 | 94 | 59* | |
| S-2 | 100 | | SM | | Silty SAND; dark gray; 63% fine sand; 35% non-plastic silt; MEDIUM DENSE. | 3 | 5 | 6 | | | | | | 30 | | | 2.63 | | | | 100 | 98 | 35 | |
| S-3 | 89 | | | | | 11 | 10 | 9 | | | | | | | | | | | | | | | | |
| S-4 | 89 | | | | Silty CLAY; dark gray to dark brownish gray; 94% high plasticity silty clay with little amount sand and traces of shell and wood fragments. VERY STIFF To HARD. | 11 | 10 | 12 | | | | | | | | | | | | | | | | |
| S-5 | 100 | | | | | 11 | 13 | 19 | | | | | | | | | | | | | | | | |
| S-6 | 100 | | | | | 10 | 8 | 13 | | | | | | 67 | 70 | 42 | 2.60 | | | 99 | 98 | 96 | 94* | |
| S-7 | 100 | | | | | 5 | 5 | 6 | | | | | | | | | | | | | | | | |
| S-8 | 100 | | | | Silty CLAY; dark gray to dark brownish gray; 87% high plasticity silty clay with 10% fine to medium sand; contains shell and wood fragments. HARD to STIFF. | 7 | 5 | 5 | | | | | | | | | | | | | | | | |
| S-9 | 100 | | | | | 6 | 6 | 5 | | | | | | 84 | 64 | 37 | 2.60 | | | 99 | 97 | 92 | 87* | |
| S-10 | 100 | | CH | | | 7 | 6 | 7 | | | | | | | | | | | | | | | | |
| S-11 | 89 | | | | Silty CLAY; dark gray to dark brownish gray; 99% high plasticity silty clay; traces of shell and wood fragments; STIFF. | 6 | 5 | 6 | | | | | | | | | | | | | | | | |
| S-12 | 89 | | | | | 6 | 6 | 6 | | | | | | 53 | 70 | 40 | 2.60 | | | | | 100 | 99* | |
| S-13 | 89 | | | | Sandy CLAY; dark brownish gray; high plasticity clay; fine sand; VERY STIFF. | 9 | 8 | 9 | | | | | | | | | | | | | | | | |
| S-14 | 89 | | | | | 9 | 9 | 9 | | | | | | | | | | | | | | | | |
| S-15 | 89 | | | | Silty CLAY; dark brownish gray; 95%, high plasticity silty clay with little amount of fine sand. STIFF. | 7 | 5 | 6 | | | | | | 41 | 69 | 39 | 2.60 | | | | | 100 | 99 | 95* |
| S-16 | 89 | | | | Sandy CLAY; dark brownish gray; 82% high plasticity clay; 17% fine to medium sand; VERY STIFF. | 9 | 7 | 9 | | | | | | | | | | | | | | | | |
| S-17 | 89 | | | | | 8 | 8 | 8 | | | | | | 36 | 54 | 30 | 2.61 | | | 100 | 99 | 93 | 82* | |
| END OF BOREHOLE (17.00 m) | | | | | | | | | | | | | | | | | | | | | | | | |

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

MACHINE: **ACKER ACE**
 DRILLER: **P. MADERA**
 SUPERVISOR: **M. VILLAFUERTE**


LEGEND:

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

図5-3-3 (48/221) 柱状図 (フェーズI実施分)

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

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

GROUND ELEV. (MLLW = Zero Datum) **+ 10.469**

DEPTH OF WATER: **1.50** m.

LOCATION: **Marikina River, River Bank Right**

STATION NO.: **3 + 925**

DATE MEASURED: **27 Feb. 2001**

NO: **BMLL-14** DATE DRILLED: **19 - 27 March 2001**

WEATHER: **FAIR**

TIME MEASURED: **11:00 AM**

COORDINATES: **1613323.905** N, **508895.026** E

| SAMPLE NO. | RECOVERY (%) | LOG SYMBOL | CLASSIFICATION | RCD | 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 |
| SS-1 | 67 | | CH | | Sandy CLAY; dark gray; 89% high plasticity clay; 10% fine sand; VERY SOFT. | 1 | 0 | 0 | | | | | | 74 | 79 | 58 | 2.60 | | | 100 | 99 | 99 | 89 | |
| SS-2 | 67 | | CH | | Silty CLAY; dark gray; 100% plasticity silty clay. VERY SOFT. | 1 | 0 | 0 | | | | | | | | | | | | | | | | |
| SS-3 | 78 | | SM | | Silty Gravelly SAND; dark gray; 47% fine to coarse sand; 40% sub-rounded gravel; 13% non-plastic silt; MEDIUM DENSE. | 1 | 0 | 1 | | | | | | 82 | 75 | 51 | 2.60 | | | | | | 100 | |
| SS-4 | 58 | | SM | | Silty CLAY; dark gray; 95% high plasticity silty clay with decayed wood. STIFF. | 3 | 8 | 13 | | | | | | 12 | | | 2.65 | | | 60 | 52 | 33 | 13 | |
| SS-5 | 100 | | CH | | Sandy CLAY; brownish gray; coarse to fine sand with shell fragments; medium to high plasticity. FIRM. | 5 | 5 | 6 | | | | | | 66 | 75 | 43 | 2.60 | | | 100 | 99 | 96 | 95 | |
| SS-6 | 100 | | CH | | | 3 | 4 | 3 | | | | | | | | | | | | | | | | |
| SS-7 | 100 | | CH | | | 3 | 3 | 5 | | | | | | | | | | | | | | | | |
| SS-8 | 89 | | CH | | | 3 | 4 | 4 | | | | | | 56 | 66 | 37 | 2.60 | | | 100 | 99 | 98 | 95 | |
| SS-9 | 100 | | CH | | Silty CLAY; dark greenish gray to dark brownish gray; 92-95% high plasticity silty clay with traces of fine sand and decayed wood and shell fragments. FIRM To STIFF. | 4 | 4 | 4 | | | | | | | | | | | | | | | | |
| SS-10 | 100 | | CH | | | 3 | 3 | 3 | | | | | | | | | | | | | | | | |
| SS-11 | 100 | | CH | | | 3 | 3 | 4 | | | | | | 63 | 80 | 59 | 2.60 | | | 99 | 99 | 98 | 92 | |
| SS-12 | 100 | | CH | | | 3 | 4 | 5 | | | | | | | | | | | | | | | | |
| SS-13 | 100 | | CH | | | 4 | 4 | 5 | | | | | | | | | | | | | | | | |
| SS-14 | 100 | | CH | | Silty CLAY; brownish gray; 85% high plasticity silty clay; 12% fine to coarse sand with very little amount of gravel; VERY STIFF. | 8 | 10 | 11 | | | | | | 35 | 80 | 55 | 2.61 | | | 97 | 94 | 90 | 85 | |
| SS-15 | NR | | SP SM | | No. Recovery | 13 | 50 | 12 | | | | | | | | | | | | | | | | |
| SS-16 | 78 | | SM | | Fine SAND; brownish gray; 72% fine sand and 19% medium sand; 9% non-plastic silt. DENSE. | 11 | 12 | 14 | | | | | | 30 | | | 2.63 | | | 100 | 81 | 9 | | |
| SS-17 | 78 | | CH | | | 16 | 24 | 26 | | | | | | | | | | | | | | | | |
| SS-18 | 78 | | CH | | Silty CLAY; light creamy brown; 92% high plasticity silty clay with little amount of medium to fine sand. HARD. | 18 | 28 | 25 | | | | | | | | | | | | | | | | |
| SS-19 | 78 | | CH | | | 21 | 24 | 27 | | | | | | 48 | 68 | 43 | 2.60 | | | 100 | 96 | 9 | | |
| | | | | | END OF BOREHOLE (19.00 m) | | | | | | | | | | | | | | | | | | | |

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 (49/221) 柱状図 (フェーズI実施分)

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

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

GROUND ELEV. (MLLW = Zero Datum) **+ 10.895**

DEPTH OF WATER: **0.45** m.

LOCATION: **L. Bank, Rosario, Pasig**

STATION NO.: **4 + 150**

DATE MEASURED: **06 Jan. 2001**

DATE DRILLED: **06 January 2001**

WEATHER: **FAIR**

TIME MEASURED: **5:30 PM**

COORDINATES: **1613566.217** N, **508859.280** 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 | |
| S-1 | 44 | | SP | | Silty Gravelly SAND; brown; 31% coarse to medium sand; 32% fine sand; 26% sub-rounded gravel; 11% non-plastic silty fines; well-graded; LOOSE. | 3 | 3 | 5 | 10 | 20 | 30 | 40 | 50 | 12 | | | | 2.65 | | 74 | 58 | 43 | 11 | | |
| S-2 | 78 | | | | | 2 | 3 | 5 | | | | | | | | | | | | | | | | | |
| S-3 | 100 | | | | | 2 | 2 | 2 | | | | | | 51 | 63 | 39 | 2.60 | | | | | | 100 | 95* | |
| S-4 | 100 | | CH | | Silty CLAY; brown to brownish gray; 93-95% high plasticity clay; traces of fine sand; SOFT. | 1 | 2 | 2 | | | | | | | | | | | Cc 0.480 | Pc 0.590 | | | | | |
| DS-1 | 78 | | | | | PRESSED | | | | | | | | 50 | 1.61 | 70 | 49 | 2.60 | | | | | 100 | 99 | 93 |
| SS-5 | 100 | | | | | 1 | 2 | 1 | | | | | | | | | | | | | | | | | |
| SS-6 | 78 | | ML | | Sandy Gravelly SILT; brownish gray; 63% non-plastic silt; 23% sub-rounded gravel; 14% coarse to fine sand; STIFF. | 2 | 3 | 9 | | | | | | 36 | | | | 2.64 | | | 77 | 73 | 69 | 63 | |
| SS-7 | 67 | | | | | 7 | 6 | 8 | | | | | | | | | | | | | | | | | |
| SS-8 | 100 | | | | | 1 | 1 | 2 | | | | | | | | | | | | | | | | | |
| UDS-2 | 100 | | | | | PRESSED | | | | | | | | 59 | 1.51 | 65 | 39 | 2.60 | Cc 0.730 | Pc 1.940 | 98 | 97 | 94 | 88* | |
| SS-9 | 100 | | | | Silty CLAY; brownish gray; traces of fine sand; 79-97% high plasticity clay; traces of gravel at depth 10-11 meters; SOFT to FIRM. | 2 | 2 | 4 | | | | | | 64 | | 58 | 37 | 2.61 | | | 92 | 91 | 85 | 79 | |
| SS-10 | 100 | | | | | 3 | 3 | 3 | | | | | | | | | | | | | | | | | |
| UDS-3 | 100 | | | | | PRESSED | | | | | | | | 37 | 1.60 | 68 | 45 | 2.60 | Cc 0.475 | Pc 1.630 | 100 | 98 | 96 | 90* | |
| SS-11 | 100 | | CH | | | 3 | 3 | 3 | | | | | | | | | | | | | | | | | |
| SS-12 | 100 | | | | | 2 | 2 | 4 | | | | | | 79 | | 84 | 57 | 2.59 | | | 100 | 99 | 99 | 97 | |
| SS-13 | 100 | | | | Silty CLAY; brownish gray; high plasticity; STIFF. | 5 | 6 | 6 | | | | | | | | | | | | | | | | | |
| SS-14 | 100 | | | | | 5 | 5 | 8 | | | | | | | | | | | | | | | | | |
| SS-15 | 100 | | | | Sandy Silty CLAY; grayish brown; 50% high plasticity clay; 49% fine to coarse sand; VERY STIFF. | 7 | 8 | 10 | | | | | | 31 | | 53 | 31 | 2.62 | | | 99 | 91 | 77 | 50 | |
| SS-16 | 100 | | | | | 8 | 9 | 9 | | | | | | | | | | | | | | | | | |
| SS-27 | 100 | | | | End of Borehole (20.00 m) | 8 | 10 | 12 | | | | | | | | | | | | | | | | | |

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

MACHINE: **ACKER ACE**
 DRILLER: **J. DAWI**
D. BAYON
 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 - 18**

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

GROUND ELEV. (MLLW = Zero Datum) **+ 8.655**

DEPTH OF WATER: **2.50** m

LOCATION: **Maybunga, Pasig City**

STATION NO.: **5 + 050**

DATE MEASURED: **08 Feb. 2001**

WEATHER: **FAIR**

TIME MEASURED: **8:00 AM**

NO: **BMLL-18** DATE DRILLED: **08 February 2001**

COORDINATES: **1614442.650** N, **508762.750** 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 |
| | | | | | | 10 | 20 | 30 | 40 | 50 | | | | | | | | | | | | | | |
| SS-1 | 89 | | CH | | Sandy CLAY; dark gray; 14% fine sand; 84% high plasticity clay. SOFT. | 1 | 1 | 2 | | | | | 49 | 60 | 39 | 2.60 | | | | 100 | 99 | 98 | 84 | |
| SS-2 | 89 | | | | Sandy CLAY; brownish gray; 14% sub-angular gravel, 26% fine sand; traces of medium sand; 49% high plasticity clay. STIFF TO HARD. | 4 | 5 | 5 | | | | | | | | | | | | | | | | |
| SS-3 | 67 | | | | | | 10 | 20 | 30 | | | | | 45 | 63 | 41 | 2.63 | | | | 86 | 84 | 75 | 4 |
| CR-1 | 94 | | LT | 58 | Sandy TUFF; light gray; well cemented; slightly weathered; broken; VERY HARD. | CORING | | | | | | | 12 | 1.64 | | | | | 133.75 | | | | | |
| CR-2 | 97 | | | 52 | | CORING | | | | | | | | 14 | 1.66 | | | | 158.12 | | | | | |
| CR-3 | 93 | | | 93 | Sandy TUFF; light gray to light brown; slightly to highly weathered; broken; HARD. | CORING | | | | | | | | 17 | 1.69 | | | | 89.34 | | | | | |
| CR-4 | 96 | | | 96 | Lapilli TUFF; brown; moderately weathered; HARD. | CORING | | | | | | | | 16 | 1.58 | | | | 97.98 | | | | | |
| CR-5 | 99 | | | 66 | | CORING | | | | | | | | 14 | 1.62 | | | | 57.64 | | | | | |
| CR-6 | 95 | | | 44 | Lapilli TUFF; brownish, gray, slightly to moderately weathered; broken; HARD. | CORING | | | | | | | | 11 | 1.85 | | | | 132.56 | | | | | |
| CR-7 | 91 | | | 48 | | CORING | | | | | | | | | | | | | | | | | | |
| CR-8 | 45 | | | 25 | | CORING | | | | | | | | 15 | 1.72 | | | | 127.24 | | | | | |
| CR-9 | 82 | | | 0 | | CORING | | | | | | | | | | | | | | | | | | |
| CR-10 | 71 | | | 0 | Lapilli TUFF; brownish gray; highly weathered; generally broken; HARD. | CORING | | | | | | | | | | | | | | | | | | |
| CR-11 | 80 | | | 16 | | CORING | | | | | | | | | | | | | | | | | | |
| CR-12 | 82 | | | 18 | | CORING | | | | | | | | 18 | 1.70 | | | | 76.11 | 2.140 | | | | |
| | | | | | 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: **R. DAWI**
 SUPERVISOR: **M. ESTAURA**

LEGEND:

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

図5-3-3 (53/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 19**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**
 LOCATION: **PBM Steel, Mangahan, Pasig City**
 ID NO: **BMLL-19** DATE DRILLED: **05 - 06 February 2001**

GROUND ELEV. (MLLW = Zero Datum) **+ 9.784**
 STATION NO.: **5 + 400**
 WEATHER: **FAIR**

DEPTH OF WATER: **1.00** m
 DATE MEASURED: **06 Feb. 2001**
 TIME MEASURED: **8:00 AM**

COORDINATES: **1614798.123** N, **508756.562** 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 | | | |
|------------|------------------------|------------|----------------|-----|---|-------------|-------|-------|---------------------------------|--|--|--|--|---------------------------|-------------------------|------------------|---------------------|------------------|-----------------------------|----------|----------------|----|----|-----|
| | | | | | | 15 cm | 15 cm | 15 cm | (N-VALUE) | | | | | | | LIQUID LIMIT, % | PLASTICITY INDEX, % | | STRENGTH kg/cm ² | STRAIN % | 4 | 10 | 40 | 200 |
| SS-1 | 89 | | SW SM | | Silty Gravelly SAND; grayish brown; 36% sub-angular gravel; 51% coarse to fine sand w/ 13% non-plastic fines. MEDIUM DENSE. | 5 | 4 | 6 | | | | | | 11 | | | | 2.65 | | | 64 | 32 | 20 | 1 |
| SS-2 | 89 | | | | Silty Gravelly SAND; grayish brown; 38% sub-angular gravel; 54% coarse to fine sand w/ 8% non-plastic fines. DENSE. | 10 | 20 | 25 | | | | | | 15 | | | | 2.66 | | | 62 | 41 | 20 | |
| CR-1 | 20 | | ST | 0 | SANDSTONE; dark brown; completely weathered; broken; SOFT. | CORING | | | | | | | | | | | | | | | | | | |
| CR-2 | 50 | | | 0 | TUFFACEOUS Sandstone; light gray; slightly weathered; broken. HARD. | CORING | | | | | | | | | | | | | | | | | | |
| CR-3 | 61 | | | 56 | Conglomerate; brown; completely to lightly weathered, broken. HARD. | CORING | | | | | | | | 21 | 2.12 | | | 140.79 | | | | | | |
| CR-4 | 37 | | | 12 | | CORING | | | | | | | | | | | | | | | | | | |
| CR-5 | 46 | | | 0 | | CORING | | | | | | | | 21 | 1.64 | | | 105.19 | | | | | | |
| CR-6 | 40 | | CG | 33 | Conglomerate; brown; completely to lightly weathered, broken; HARD. | CORING | | | | | | | | | | | | | | | | | | |
| CR-7 | 43 | | | 23 | | CORING | | | | | | | | | | | | | | | | | | |
| CR-8 | 45 | | | 28 | | CORING | | | | | | | | | | | | | | | | | | |
| CR-9 | 36 | | | 0 | | CORING | | | | | | | | | | | | | | | | | | |
| CR-10 | 33 | | | 0 | Conglomerate; grayish brown; completely weathered; HARD | CORING | | | | | | | | | | | | | | | | | | |
| CR-11 | 24 | | | 0 | | CORING | | | | | | | | | | | | | | | | | | |
| CR-12 | 40 | | Ss | 0 | SILTSTONE; reddish brown; completely weathered; broken. SOFT. | CORING | | | | | | | | | | | | | | | | | | |
| CR-13 | 47 | | ST | 0 | SANDSTONE; brownish gray; moderately to highly weathered; SOFT. | CORING | | | | | | | | | | | | | | | | | | |
| | | | | | 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: **CASCAYAN**
 SUPERVISOR: **M. ESTAURA**

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

図5-3-3 (54/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **MLL - 20**

PROJECT: **Pasig-Marikina River Channel Imp. Proj.**
 LOCATION: **L. Bank, Manggahan, Pasig**
 NO: **BMLL-20** DATE DRILLED: **01 - 02 February 2001**

GROUND ELEV. (MLLW = Zero Datum) **+ 15.025**
 STATION NO.: **5 + 700**
 WEATHER: **FAIR**
 COORDINATES: **1615014.410 N, 508871.221 E**

DEPTH OF WATER: **0.60** m
 DATE MEASURED: **01 Feb. 2001**
 TIME MEASURED: **1:00 PM**

| 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 SIEV | | | |
|------------|------------------------|------------|----------------|-----|---|--|-------|-------|---------------------------------|--|--|--|--|---------------------------|-------------------------|------------------|---------------------|------------------|-----------------------------|----------|-------------------------------|-------|----|-----|
| | | | | | | 15 cm | 15 cm | 15 cm | (N-VALUE) | | | | | | | LIQUID LIMIT, % | PLASTICITY INDEX, % | | STRENGTH kg/cm ² | STRAIN % | 4 | 10 | 40 | 200 |
| SS-1 | 100 | | SM | | Silty SAND; gray; 1-11% coarse sand; 16-22% medium sand; 40-68% fine sand; 15- 27% non-plastic silt; LOOSE to MEDIUM DENSE. | 3 | 4 | 3 | | | | | | 27 | | | 2.63 | | | 100 | 99 | 83 | 1 | |
| SS-2 | 100 | | | | | Silty Gravelly SAND, gray; 26% sub-angular gravel; 11% coarse sand; 25% medium sand; 19% fine sand; 19% non-plastic silt; DENSE. | 6 | 7 | 7 | | | | | | 25 | | | 2.63 | | | 100 | 89 | 67 | 2 |
| SS-3 | 100 | | | | | | 12 | 17 | 28 | | | | | | 37 | | | 2.64 | | | 74 | 63 | 38 | 1 |
| CR-1 | 35 | | TS | 0 | Tuffaceous SANDSTONE; gray; medium to fine-grained; moderately weathered; broken; Moderately HARD. | CORING | | | | | | | | | | | | | | | | | | |
| CR-2 | 56 | | | 20 | | CORING | | | | | | | | | | | | | | | 95.069 | 4.228 | | |
| CR-3 | 60 | | | 0 | | CORING | | | | | | | | | | | | | | | | | | |
| CR-4 | 78 | | | 55 | | CORING | | | | | | | | | | | | | | | 99.529 | 4.571 | | |
| CR-5 | 50 | | LT | 0 | Lapilli TUFF; light gray; abundant lapilli deposits; moderately to highly weathered; broken; Moderately HARD. | CORING | | | | | | | | | | | | | | | | | | |
| CR-6 | 48 | | | 0 | | CORING | | | | | | | | | | | | | | | | | | |
| CR-7 | 68 | | | 12 | | CORING | | | | | | | | | | | | | | | 65.321 | 3.125 | | |
| CR-8 | 28 | | | 0 | | CORING | | | | | | | | | | | | | | | | | | |
| CR-9 | 22 | | | 0 | | CORING | | | | | | | | | | | | | | | | | | |
| CR-10 | 72 | | TS | 11 | Tuffaceous SANDSTONE; gray; medium to fine-grained; moderately weathered; broken; Moderately HARD. | CORING | | | | | | | | | | | | | | | 106.40 | 4.741 | | |
| CR-11 | 82 | | | 73 | | CORING | | | | | | | | | | | | | | | 109.75 | 4.780 | | |
| CR-12 | 97 | | | 50 | | CORING | | | | | | | | | | | | | | | 109.55 | 4.690 | | |
| CR-13 | 60 | | | 0 | | CORING | | | | | | | | | | | | | | | | | | |
| | | | | | End of Borehole (16.00 m) | | | | | | | | | | | | | | | | | | | |

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

MACHINE: **ACKER ACE**
 DRILLER: **R. CASCAYAN JEMENEZ**
 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 (55/221) 柱状図 (フェーズI実施分)