

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BL - 2a

PROJECT: Pasig-Marikina River Channel Imp. Proj.
 LOCATION: Left Bank, Calle Cristobal, Manila
 BH NO: BL-2 DATE DRILLED: 25 - 28 November 2000

GROUND ELEV. (MLLW = Zero Datum) + 12.860
 STATION NO.: 3 + 785
 WEATHER: FAIR

DEPTH OF WATER: 1.40 m
 DATE MEASURED: 28 Nov. 2000
 TIME MEASURED: 8:00 AM

COORDINATES: 1613635.702 N, 499080.328 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 | 22 | ○ | GW | | Sandy GRAVEL; dark gray; 56% sub-angular gravel; 40% coarse to medium sand; MEDIUM DENSE. | 7 | 11 | 17 | 10 | 20 | 30 | 40 | 50 | 10 | | | | 2.63 | | | 44 | 12 | 4 | 3 |
| 2 | SS-2 | 44 | ○ | ML | | Sandy SILT; gray; low plasticity silt with appreciable amount of fine sand; VERY LOOSE. | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| 3 | SS-3 | 44 | ○ | | | | 1 | 1 | 2 | | | | | | | | | | | | | | | | |
| 4 | SS-4 | 22 | ○ | SP | | Fine SAND; gray; 70% fine sand; 13% medium sand; 16% non-plastic silt; LOOSE to MEDIUM DENSE. | 2 | 4 | 5 | 28 | | | | | 28 | | | | 2.63 | | 100 | 99 | 86 | 16 | |
| 5 | SS-5 | 44 | ○ | | | | 3 | 5 | 6 | | | | | | | | | | | | | | | | |
| 6 | SS-6 | 56 | ○ | | | | 1 | 1 | 2 | | | | | | | | | | | | | | | | |
| 7 | SS-7 | 22 | ○ | | | | 1 | 1 | 1 | 60 | | | | | 60 | 77 | 46 | 2.60 | | 99 | 97 | 96 | 91 | | |
| 8 | SS-8 | 44 | ○ | | | | 1 | 0 | 1 | | | | | | | | | | | | | | | | |
| 9 | SS-9 | 44 | ○ | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| 10 | SS-10 | 56 | ○ | | | | 1 | 1 | 2 | 62 | | | | | 62 | 58 | 29 | 2.60 | | 96 | 92 | 89 | 84 | | |
| 11 | SS-11 | 44 | ○ | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| 12 | SS-12 | 67 | ○ | CH | | Sandy CLAY; dark gray; 84% high plasticity silty clay with about 15% fine to coarse sand; FIRM. | 1 | 3 | 2 | | | | | | | | | | | | | | | | |
| 13 | SS-13 | 56 | ○ | | | | 2 | 2 | 3 | 45 | | | | | 45 | 57 | 31 | 2.60 | | 99 | 94 | 91 | 84 | | |
| 14 | SS-14 | 56 | ○ | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| 15 | SS-15 | 44 | ○ | | | | 1 | 0 | 1 | | | | | | | | | | | | | | | | |
| 16 | SS-16 | 67 | ○ | | | | 1 | 1 | 2 | 74 | | | | | 74 | 74 | 51 | 2.60 | | 100 | 99 | 97 | 92 | | |
| 17 | SS-17 | 78 | ○ | | | | 1 | 2 | 1 | | | | | | | | | | | | | | | | |
| 18 | SS-18 | 78 | ○ | | | | 2 | 1 | 1 | | | | | | | | | | | | | | | | |
| 19 | SS-19 | 78 | ○ | | | | 2 | 1 | 2 | 74 | | | | | 74 | 76 | 53 | 2.60 | | 99 | 98 | 98 | 98 | | |
| 20 | SS-20 | 56 | ○ | | | | 1 | 1 | 2 | | | | | | | | | | | | | | | | |

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

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






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

図5-3-3 (11/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BL - 2b

PROJECT: Pasig-Marikina River Channel Imp. Proj.
 LOCATION: Left Bank, Calle Cristobal, Manila
 BH NO: BL-2 DATE DRILLED: 25 - 28 November 2000

GROUND ELEV. (MLLW = Zero Datum) + 12.860
 STATION NO.: 3 + 785
 WEATHER: FAIR
 COORDINATES: 1613635.702 N, 499080.328 E

DEPTH OF WATER: 1.40 m.
 DATE MEASURED: 28 Nov. 2000
 TIME MEASURED: 8:00 AM

| DEPTH, m | SAMPLE NO. | RECOVERY (%) | LOG SYMBOL | CLASSIFICATION | RQD | DESCRIPTION | BLOWS (SPT) | | | STANDARD PENETRATION TEST (SPT) (N-VALUE) | NATURAL MOIST. CONTENT, % | TOTAL UNIT WEIGHT, g/cc | ATTERBERG LIMITS | | SPECIFIC GRAVITY | UNCONFINED COMP. TEST | | SIEVE ANALYSIS % PASSING SIEVE | | | | | | | | | | | | | | | | |
|----------|------------|--------------|------------|----------------|-----|---|---|--|-------|---|---------------------------|-------------------------|------------------|---------------------|------------------|-----------------------------|-------------|--------------------------------|----|----|-----|----|----|------|-----|----|----|----|--|--|-----|----|--|--|
| | | | | | | | 15 cm | 15 cm | 15 cm | | | | LIQUID LIMIT, % | PLASTICITY INDEX, % | | STRENGTH kg/cm ² | STRAIN W, % | 4 | 10 | 40 | 200 | | | | | | | | | | | | | |
| 21 | SS-21 | 67 | [Symbol] | CH | | Silty CLAY; dark gray; 91% very high plasticity silty clay with about 10% sand; SOFT to FIRM. | 1 | 2 | 2 | 10 20 30 40 50 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | SS-22 | 78 | [Symbol] | | 1 | | 2 | 3 | 70 | | | | | | | | | | | | | 73 | 51 | 2.60 | 100 | 99 | 99 | 91 | | | | | | |
| 23 | SS-23 | 67 | [Symbol] | | 2 | | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | SS-24 | 67 | [Symbol] | | 3 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | SS-25 | 56 | [Symbol] | | 2 | 2 | 3 | Sandy CLAY; dark gray; 64% medium to high plasticity silty clay with 36% very fine sand; FIRM. | 37 | | | | | | | | | | | | | 51 | 24 | 2.61 | | | | | | | 100 | 64 | | |
| 26 | SS-26 | 44 | [Symbol] | | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | SS-27 | 44 | [Symbol] | 2 | 3 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | SS-28 | 67 | [Symbol] | 3 | 4 | 7 | Sandy CLAY; dark gray; 69% very high plasticity clayey fines with about 30% fine sand; STIFF. | 41 | 70 | 46 | 2.61 | | | | | | | 100 | 98 | 69 | | | | | | | | | | | | | | |
| 29 | SS-29 | 67 | [Symbol] | 2 | 3 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | SS-30 | 67 | [Symbol] | 3 | 3 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | SS-31 | 56 | [Symbol] | 3 | 5 | 8 | Sandy CLAY; dark gray; 61% medium plasticity clay with 37% very fine sand; STIFF. | 41 | 49 | 23 | 2.61 | | | | | | | 99 | 99 | 98 | 61 | | | | | | | | | | | | | |
| 32 | SS-32 | 67 | [Symbol] | 3 | 4 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | SS-33 | 56 | [Symbol] | 3 | 4 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | SS-34 | 22 | [Symbol] | SP SW | | Garvelly SAND; dark gray; 55% fine to coarse sand; 34% sub-angular gravel; 11% silt; DENSE to VERY DENSE. | 9 | 21 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | SS-35 | 33 | [Symbol] | | 11 | | 22 | 32 | 18 | | | 2.64 | | | | | | | | 66 | 57 | 41 | 11 | | | | | | | | | | | |
| 36 | | | | | | End of Boring (35.00 m) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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 DRILLER: I. ANDOYO
 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 (12/221) 柱状図 (フェーズ1実施分)

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

PROJECT: Pasig-Marikina River Channel Imp. Proj. **GROUND ELEV.** (MLLW = Zero Datum) + 13.910 **DEPTH OF WATER:** 2.40 m.
LOCATION: Left Bank, Nagtahan Br., Pandacan, Mta. **STATION NO.:** 5 + 070 **DATE MEASURED:** 27 Nov. 2000
BH NO: BL-3 **DATE DRILLED:** 25 - 27 November 2000 **WEATHER:** FAIR **TIME MEASURED:** 7:00 AM
COORDINATES: 1614190.724 N, 500030.680 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 | | | | |
|----------|------------|--------------|------------|----------------|-----|---|-------------|-------|-------|---------------------------------|----|----|----|---------------------------|-------------------------|------------------|------|------------------|-----------------------|---------------------|-----------------------------|----------|----|-----|----|
| | | | | | | | 15 cm | 30 cm | 45 cm | (N-VALUE) | 10 | 20 | 30 | | | 40 | 50 | | LIQUID LIMIT, % | PLASTICITY INDEX, % | STRENGTH kg/cm ² | STRAIN % | 4 | 10 | 40 |
| 1 | SS-1 | 44 | | GM | | Sandy GRAVEL; brownish gray; 43% angular gravel; 34% fine to coarse sand; 23% non-plastic fines; LOOSE. | 2 | 3 | 6 | | | | | 16 | | | | 2.65 | | | 57 | 50 | 38 | 23 | |
| 2 | SS-2 | 44 | | SM | | Silty SAND; dark gray; fine sand and silt with some gravel; VERY LOOSE. | 1 | 0 | 0 | | | | | | | | | | | | | | | | |
| 3 | SS-3 | 44 | | CH | | Silty CLAY; dark gray; medium to high plasticity clay with fine sand; VERY STIFF. | 22 | 16 | 2 | | | | | | | | | | | | | | | | |
| 4 | SS-4 | 44 | | | | Gravelly SAND; dark gray; 66% fine to coarse sand; 17% sub-angular gravel; 17% non-plastic fines; MEDIUM DENSE. | 1 | 5 | 7 | | | | | 23 | | | | 2.64 | | | 83 | 74 | 44 | 17 | |
| 5 | SS-5 | 44 | | SM | | Silty SAND; dark gray; 56% fine sand; 19% medium sand and 21% non-plastic silt; MEDIUM DENSE. | 7 | 10 | 12 | | | | | | | | | | | | | | | | |
| 6 | SS-6 | 56 | | | | | 7 | 7 | 10 | | | | | | | | | | | | | | | | |
| 7 | SS-7 | 44 | | | | Coarse SAND; dark gray; with traces of sub-angular gravel and shell fragments; MEDIUM DENSE. | 8 | 10 | 11 | | | | | 20 | | | | 2.63 | | | 99 | 96 | 77 | 21 | |
| 8 | SS-8 | 44 | | SP | | | 7 | 6 | 4 | | | | | | | | | | | | | | | | |
| 9 | SS-9 | 89 | | | | Gravelly to Sandy CLAY; dark gray to gray; 45-72% high plasticity clay with 9-31% gravel and 10-24% fine to coarse sand; VERY SOFT. | 1 | 0 | 0 | | | | | | | | | | | | | | | | |
| 10 | SS-10 | 22 | | | | | 0 | 0 | 2 | | | | | 37 | | | | 2.63 | | | 69 | 61 | 60 | 45 | |
| 11 | SS-11 | 22 | | CH | | 1 | 0 | 0 | | | | | | | | | | | | | | | | | |
| 12 | UDS-1 | 33 | | | | PRESSED | | | | | | | 45 | 1.46 | 62 | 36 | 2.61 | | Cc 0.855 | Pc 0.970 | 77 | 71 | 69 | 67* | |
| 13 | SS-12 | 89 | | | | 1 | 1 | 0 | | | | | | | | | | | | | | | | | |
| 14 | UDS-2 | 100 | | | | PRESSED | | | | | | | 49 | 1.52 | 59 | 32 | 2.61 | | Cc 0.910 | Pc 0.850 | 91 | 83 | 80 | 72* | |
| 15 | SS-13 | 89 | | SP | | Coarse to MEDIUM SAND; gray; 68% sand; 18% gravel; 14% silt; LOOSE. | 7 | 5 | 2 | | | | 25 | | | | 2.63 | | | 82 | 49 | 23 | 14 | | |
| 16 | SS-14 | 89 | | CH | | Silty CLAY; gray; high plasticity clay; with shell fragments; SOFT. | 5 | 1 | 2 | | | | | | | | | | | | | | | | |
| 17 | SS-15 | 56 | | | | Sandy GRAVEL; brownish gray; 42% coarse to fine sand; 45% sub-angular gravel; 13% non-plastic silt; MEDIUM DENSE to VERY DENSE. | 6 | 10 | 9 | | | | | | | | | | | | | | | | |
| 18 | SS-16 | 56 | | GM | | | 12 | 8 | 13 | | | | | 23 | | | | 2.65 | | | 55 | 36 | 20 | 13 | |
| 19 | SS-17 | 44 | | | | 39 | 43 | 7 | | | | | | | | | | | | | | | | | |
| 20 | SS-18 | 16 | | | | 25 | 41 | 9/14 | | | | | | | | | | | | | | | | | |

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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 (13/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BL - 3b

PROJECT: Pasig-Marikina River Channel Imp. Proj.
LOCATION: Left Bank, Nagtahan Br., Pandacan, Mla.
BH NO: BL-3 **DATE DRILLED:** 25 - 27 November 2000

GROUND ELEV. (MLW = Zero Datum) + 13.910
STATION NO.: 5 + 070
WEATHER: **FAIR**

DEPTH OF WATER: 2.40 m.
DATE MEASURED: 27 Nov. 2000
TIME MEASURED: 7:00 AM

COORDINATES: 1614190.724 N, 500030.680 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 | | 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 | | | |
| 21 | CR-1 | 37 | ●●●●● | TS | 37 | Tuffaceous SANDSTONE; brown; medium grained; moderately cemented; broken cores; HARD. | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | CORING | | | | | | | | | | | | | | | | | | | | |
| 23 | CR-2 | 30 | ●●●●● | TS | 30 | Silty SAND; brownish gray; fine sand with non-plastic silt; HARD. | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | CORING | | | | | | | | | | | | | | | | | | | | |
| 24 | SS-19 | 11 | | SM | | End of Boring (23.67 m) | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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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 (14/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **BL - 4**

PROJECT: Pasig-Marikina River Channel Imp. Proj. **GROUND ELEV.** (MLLW = Zero Datum) + 12.780 **DEPTH OF WATER:** 1.20 m.
LOCATION: Left Bank, Beata Ext., Pandacan, Manila **STATION NO.:** 7 + 280 **DATE MEASURED:** 27 Nov. 2000
BH NO: BL - 4 **DATE DRILLED:** 25 - 27 Nov. 2000 **WEATHER:** FAIR **TIME MEASURED:** 7:00 AM
COORDINATES: 1613610.233 N, 501225.447 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 M, % | 4 | 10 | 40 | 200 |
| 1 | SS-1 | 56 | [Symbol] | CH | | Sandy CLAY; dark gray; 61% medium to high plasticity clayey fines; 22% fine sand, 17% medium to coarse sand and gravel; FIRM to VERY STIFF. | 11 | 12 | 14 | | | | | 34 | | 56 | 37 | 2.62 | | 94 | 90 | 83 | 61 | | |
| 2 | SS-2 | 67 | [Symbol] | | | Silty CLAY; dark gray; medium to high plasticity clayey fines; SOFT. | 12 | 4 | 2 | | | | | | | | | | | | | | | | |
| 3 | SS-3 | 100 | [Symbol] | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| 4 | SS-4 | 78 | [Symbol] | | | | 9 | 8 | 11 | | | | 24 | | | | 2.63 | | 100 | 96 | 41 | 2 | | | |
| 5 | SS-5 | 78 | [Symbol] | SP | | Medium to Fine SAND; dark gray; 77-94% medium to fine sand; 4-20% coarse sand; MEDIUM DENSE To DENSE. | 8 | 10 | 10 | | | | | | | | | | | | | | | | |
| 6 | SS-6 | 78 | [Symbol] | | | | 14 | 14 | 8 | | | | | | | | | | | | | | | | |
| 7 | SS-7 | 67 | [Symbol] | | | | 11 | 11 | 12 | | | | 18 | | | | 2.63 | | 99 | 79 | 27 | 2 | | | |
| 8 | SS-8 | 87 | [Symbol] | | | | 12 | 14 | 20 | | | | | | | | | | | | | | | | |
| 9 | SS-9 | 44 | [Symbol] | GM | | Silty to Sandy GRAVEL; gray; sub-angular gravel mixed with sand and silt; VERY DENSE. | 20 | 30 | 10 | | | | | | | | | | | | | | | | |
| 10 | CR-1 | 10 | [Symbol] | SS | 7 | SILTSTONE; brown; fine grained; fairly cemented; broken cores; HARD. | CORING | | | | | | | | | | | | | | | | | | |
| 11 | CR-2 | 20 | [Symbol] | | 12 | | CORING | | | | | | | | | | | | | | | | | | |
| 12 | CR-3 | 25 | [Symbol] | | 15 | | CORING | | | | | | | | | | | | | | | | | | |
| 13 | | | [Symbol] | TS | | Tuffaceous SANDSTONE; brown; medium grained; moderately cemented; broken cores; HARD. | | | | | | | | | | | | | | | | | | | |
| 14 | CR-4 | 67 | [Symbol] | | 42 | | CORING | | | | | | 31 | 1.60 | | | 9.359 | 0.986 | | | | | | | |
| 15 | CR-5 | 100 | [Symbol] | SS | 52 | SILTSTONE; brown; fine grained; fairly cemented; broken cores; HARD. | CORING | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | End of Borehole (15.00 m) | | | | | | | | | | | | | | | | | | | |

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DRILLER: R. DAWI
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LEGEND:

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

図5-3-3 (15/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **BL - 5a**

PROJECT: Pasig-Marikina River Channel Imp. Proj. **GROUND ELEV.** (MLLW = Zero Datum) + 13.290 **DEPTH OF WATER:** 4.00 m.
LOCATION: Left Bank, Lambingan Br., Sta. Ana, Mla. **STATION NO.:** 9 + 925 **DATE MEASURED:** 22 Nov. 2000
BH NO: BL-5 **DATE DRILLED:** 21 - 22 November 2000 **WEATHER:** FAIR **TIME MEASURED:** 2:00 PM
COORDINATES: 1613200.727 N, 501933.024 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 | 67 | [Symbol] | CH | | Sandy CLAY; grayish brown; 47% medium to high plasticity clayey fines; 29% fine to coarse sand; 24% gravel; SOFT To FIRM. | 3 | 5 | 3 | | | | | 24 | 59 | 33 | 2.64 | | | 76 | 68 | 58 | 47 | | |
| 2 | SS-2 | 67 | [Symbol] | CH | | | 4 | 3 | 4 | | | | | | | | | | | | | | | | |
| 3 | SS-3 | 67 | [Symbol] | SM | | Silty Fine SAND; dark gray; 72% fine sand; 11% medium sand; 14% non-plastic silt; LOOSE. | 2 | 3 | 6 | | | | | | | | | | | | | | | | |
| 4 | SS-4 | 56 | [Symbol] | SM | | | 3 | 3 | 3 | | | | | 30 | | | 2.63 | | | 99 | 97 | 86 | 14 | | |
| 5 | SS-5 | 67 | [Symbol] | SM | | | 5 | 3 | 8 | | | | | | | | | | | | | | | | |
| 6 | SS-6 | 67 | [Symbol] | SP | | Fine to Medium SAND; dark gray; 73% fine to medium sand; 13% non-plastic silt; 8% coarse sand and 6% gravel; LOOSE TO MEDIUM DENSE. | 5 | 7 | 6 | | | | | | | | | | | | | | | | |
| 7 | SS-7 | 67 | [Symbol] | SP | | | 3 | 5 | 7 | | | | | 23 | | | 2.63 | | | 94 | 86 | 62 | 13 | | |
| 8 | SS-8 | 67 | [Symbol] | SP | | | 1 | 3 | 6 | | | | | | | | | | | | | | | | |
| 9 | SS-9 | 67 | [Symbol] | SW | | | 13 | 14 | 14 | | | | | | | | | | | | | | | | |
| 10 | SS-10 | 67 | [Symbol] | SW | | Gravelly SAND; dark gray; 68% well-graded sand; 29% gravel; very little fines; MEDIUM DENSE. | 10 | 10 | 12 | | | | | 14 | | | 2.64 | | | 71 | 45 | 15 | 3 | | |
| 11 | SS-11 | 67 | [Symbol] | SW | | | 7 | 11 | 11 | | | | | | | | | | | | | | | | |
| 12 | SS-12 | 67 | [Symbol] | SW | | | 2 | 2 | 2 | | | | | | | | | | | | | | | | |
| 13 | UDS-1 | 100 | [Symbol] | SW | | | PRESSED | | | | | | | 91 | 1.34 | 81 | 52 | 2.60 | 0.16 | 8.00 | 97 | 92 | 91 | 88* | |
| 14 | SS-13 | 67 | [Symbol] | CH | | Silty CLAY; dark gray; 88-91% very high plasticity clay with about 9% fine to coarse sand and traces of gravel and shell fragments; FIRM TO VERY STIFF towards the bottom layer. | 4 | 3 | 3 | | | | | | | | | | | | | | | | |
| 15 | SS-14 | 67 | [Symbol] | CH | | | 3 | 2 | 2 | | | | | | | | | | | | | | | | |
| 16 | SS-15 | 67 | [Symbol] | CH | | | 2 | 2 | 3 | | | | | | | | | | | | | | | | |
| 17 | SS-16 | 67 | [Symbol] | CH | | Silty CLAY (same as above) VERY STIFF | 10 | 14 | 16 | | | | | 93 | 80 | 45 | 2.60 | | | 100 | 99 | 97 | 91 | | |
| 18 | SS-17 | 67 | [Symbol] | SM | | Silty SAND; dark gray; fine to coarse sand with shell fragments and non-plastic silt; DENSE. | 11 | 13 | 25 | | | | | | | | | | | | | | | | |
| 19 | CR-1 | 45 | [Symbol] | ST | 15 | SILTSTONE; brown; fine grained; moderately cemented; broken core; HARD. | CORING | | | | | | | | | | | | | | | | | | |
| 20 | CR-2 | 39 | [Symbol] | ST | 23 | | CORING | | | | | | | 31 | 1.62 | | | | | 46.14 | 1.48 | | | | |

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

MACHINE: ACKER ACE
DRILLER: R. ANDO
SUPERVISOR: M. Estaura

LEGEND:
 [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 (16/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS BL - 5b

PROJECT: Pasig-Marikina River Channel Imp. Proj.
LOCATION: Left Bank, Lambingan Br., Sta. Ana, Mla.
BH NO: BL-5 **DATE DRILLED:** 21 - 22 November 2000

GROUND ELEV. (MLLW = Zero Datum) + 13.290
STATION NO.: 9 + 925
WEATHER: FAIR
DEPTH OF WATER: 4.00 m
DATE MEASURED: 22 Nov. 2000
TIME MEASURED: 2:00 PM
COORDINATES: 1613200.727 N, 501933.024 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 W, % | 4 | 10 | 40 | 200 | |
| 21 | CR-3 | 44 | | SS | 0 | SILTSTONE; brown; fine-grained; moderately cemented; broken core; HARD. | CORING | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | End of Boring (21.00 m) | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---|---|------------------------|---|
|  | BASIC TECHNOLOGY AND MANAGEMENT CORPORATION | MACHINE: ACKER ACE | LEGEND:  SS - SPLIT SPOON SAMPLE  WS - WASH SAMPLE  UDS - UNDISTURBED SAMPLE  CR - CORE SAMPLE  W/ HYDROMETER ANALYSIS |
| | 2nd Floor Prudential Bank Building, 1377 A. Mabini St., Ermita, Manila | DRILLER: R. ANDO | |
| | | SUPERVISOR: M. Estaura | |

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **BL - 6**

PROJECT: Pasig-Marikina River Channel Imp. Proj.
LOCATION: Left Bank, Mabini St., Poblacion Makati
BH NO: BL - 6 **DATE DRILLED:** 22 - 23 Nov. 2000

GROUND ELEV.
 (MLLW = Zero Datum) + 12.923
STATION NO.: 12 + 955
WEATHER: F A I R

DEPTH OF WATER: 0.75 m
DATE MEASURED: 23 Nov. 2000
TIME MEASURED: 4:15 PM

COORDINATES: 1611162.445 N, 503385.667 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 | 20 |
| 1 | SS-1 | 67 | [Symbol] | CH | | Sandy CLAY; brown to dark gray; 59% medium to high plasticity clay with 31% fine sand and 10% medium to coarse sand; FIRM To VERY STIFF. | 7 | 8 | 8 | | | | | | 35 | | 52 | 28 | 2.62 | | | 100 | 97 | 90 | 56 |
| 2 | SS-2 | 78 | [Symbol] | | | | 4 | 3 | 2 | | | | | | | | | | | | | | | | |
| 3 | SS-3 | 78 | [Symbol] | | | | 4 | 5 | 5 | | | | | | | | | | | | | | | | |
| 4 | SS-4 | 67 | [Symbol] | GM | | Sandy GRAVEL; dark gray; 49% sub-angular gravel with 31% fine to coarse sand and 20% non-plastic silt; DENSE. | 15 | 50 | | | | | | | 38 | | | | 2.63 | | | 51 | 43 | 33 | 20 |
| 5 | SS-5 | 78 | [Symbol] | | | | 25 | 50 | | | | | | | | | | | | | | | | | |
| 6 | CR-1 | 100 | [Symbol] | | 100 | | CORING | | | | | | | | | | | | | | | | | | |
| 7 | CR-2 | 100 | [Symbol] | | 100 | | CORING | | | | | | | | | | | | | | | | | | |
| 8 | CR-3 | 100 | [Symbol] | LT | 100 | Lapilli TUFF; light brown to yellowish brown; medium to coarse grained; well cemented; solid cores; VERY HARD. | CORING | | | | | | | | | | | | | | | | | | |
| 9 | CR-4 | 100 | [Symbol] | | 100 | | CORING | | | | | | | | 24 | 1.77 | | | 18.50 | 1.44 | | | | | |
| 10 | CR-5 | 100 | [Symbol] | | 100 | | CORING | | | | | | | | | | | | | | | | | | |
| 11 | CR-6 | 100 | [Symbol] | | 100 | | CORING | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | End of Boring (10.55 m) | | | | | | | | | | | | | | | | | | | |



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

MACHINE: ACKER ACE
DRILLER: I. ANDOYO
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 (18/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS **BL - 7**

PROJECT: Pasig-Marikina River Channel Imp. Proj.
 LOCATION: Left Bank, West Rembo, Makati
 BH NO: BL - 7 DATE DRILLED: 22 - 23 Nov. 2000

GROUND ELEV. (MLLW = Zero Datum) + 17.415
 STATION NO.: 15+ 255
 WEATHER: FAIR
 COORDINATES: 1610995.762 N, 505572.421 E

DEPTH OF WATER: 4.80 m
 DATE MEASURED: 23 Nov. 2000
 TIME MEASURED: 7:30 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 ² | STRAIN W, % | 4 | 10 | 40 | 200 | |
| 1 | SS-1 | 55 | | SM | | Silty SAND; dark brown; 43% fine to coarse sand; 23% gravel; 34% non-plastic silt; MEDIUM DENSE. | 5 | 10 | 7 | 10 | 20 | 30 | 40 | 50 | 18 | | | | 2.64 | | | 77 | 67 | 51 | 3 | |
| 1.5 | SS-2 | 11 | | | | | 50 | 8 | | | | | | | | | | | | | | | | | | |
| 2 | SS-3 | 11 | | TS | | Tuffaceous SANDSTONE; light to dark brown; fine to medium grained, moderately cemented; broken cores; HARD. | 50 | 9 | | | | | | | | | | | | | | | | | | |
| 3.5 | CR-1 | 100 | | | 80 | | | | | | | | | | | | | | | | | | | | | |
| 4 | CR-2 | 30 | | | 20 | | | | | | | | | | | | | | | | | | | | | |
| 4.5 | CR-3 | 25 | | | 20 | | | | | | | | | | | | | | | | | | | | | |
| 5 | SS-4 | 44 | | SP | | Gravelly SAND; dark brown; about 50% coarse sand with 40% sub-angular gravel; VERY DENSE. | 15 | 50 | 5 | | | | | | | | | | | | | | | | | |
| 6 | CR-4 | 71 | | | 47 | | | | | | | | | | | | | | | | | | | | | |
| 7 | CR-5 | 90 | | | 85 | | | | | | | | | | | | | | | | | | | | | |
| 8 | CR-6 | 90 | | | 80 | | | | | | | | | | 24 | 1.73 | | | | | 44.82 | 2.35 | | | | |
| 10 | CR-7 | 91 | | TS | 82 | Tuffaceous SANDSTONE; dark brown to yellowish brown; medium to coarse grained; well cemented; moderately fractured cores; VERY HARD to HARD. | | | | | | | | | | | | | | | | | | | | |
| 12 | CR-8 | 30 | | | 20 | | | | | | | | | | | | | | | | | | | | | |
| 14 | CR-9 | 70 | | | 47 | | | | | | | | | | | | | | | | | | | | | |
| 15.36 | CR-10 | 25 | | | 12 | | | | | | | | | | | | | | | | | | | | | |
| 15.36 | End of Borehole (15.36 m) | | | | | | | | | | | | | | | | | | | | | | | | | |

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

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

LEGEND:

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

図5-3-3 (19/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BL - 8

PROJECT: Pasig-Marikina River Channel Imp. Proj.
 LOCATION: Left Bank, Napindan Flood Gate, Pasig
 BH NO: BL - 8 DATE DRILLED: 10 December 2000

GROUND ELEV. (MLLW = Zero Datum) + 7.700
 STATION NO.: 0 + 400
 WEATHER: FAIR
 COORDINATES: 1610157.687 N, 507538.111 E

DEPTH OF WATER: 3.50 m.
 DATE MEASURED: 10 Dec. 2000
 TIME MEASURED: 7:00 AM

| DEPTH, m | SAMPLE NO. | RECOVERY (%) | LOG SYMBOL | CLASSIFICATION | RQD | DESCRIPTION | BLOWS (SPT) | | | STANDARD PENETRATION TEST (SPT) (N-VALUE) | NATURAL MOIST. CONTENT, % | TOTAL UNIT WEIGHT, g/cc | ATTERBERG LIMITS | | SPECIFIC GRAVITY | UNCONFINED COMP. TEST | | SIEVE ANALYSIS % PASSING SIEVE | | | |
|----------|------------|--------------|------------|----------------|-----|--|-------------|-------|-------|---|---------------------------|-------------------------|------------------|---------------------|------------------|-----------------------------|-------------|--------------------------------|----|----|-----|
| | | | | | | | 15 cm | 15 cm | 15 cm | | | | LIQUID LIMIT, % | PLASTICITY INDEX, % | | STRENGTH kg/cm ² | STRAIN W, % | 4 | 10 | 40 | 200 |
| 1 | SS-1 | 89 | [Symbol] | SW | | Gravelly SAND; gray; 50-69% well graded sand with 29-47% gravel; very little fines; LOOSE to MEDIUM DENSE. | 1 | 5 | 4 | | 12 | | | 2.64 | | | 71 | 46 | 12 | 2 | |
| 2 | SS-2 | 89 | [Symbol] | SW | | | 3 | 2 | 2 | | | | | | | | | | | | |
| 3 | SS-3 | 89 | [Symbol] | ML | | Clayey SILT; brownish gray; low plasticity silt with fine sand and traces of gravel; VERY STIFF. | 11 | 9 | 6 | | 9 | | | 2.65 | | | 53 | 31 | 12 | 3 | |
| 4 | SS-4 | 78 | [Symbol] | ML | | | 4 | 7 | 11 | | | | | | | | | | | | |
| 5 | SS-5 | 89 | [Symbol] | CH | | | 6 | 8 | 8 | | | | | | | | | | | | |
| 6 | SS-6 | 89 | [Symbol] | CH | | Sandy CLAY; grayish brown; 60 - 86% medium to high plasticity clay with 14 - 31% fine to coarse sand and traces of gravel; VERY STIFF. | 5 | 5 | 10 | | 40 | | | 2.64 | | | 91 | 78 | 67 | 60 | |
| 7 | SS-7 | 89 | [Symbol] | CH | | | 6 | 7 | 9 | | | | | | | | | | | | |
| 8 | SS-8 | 89 | [Symbol] | CH | | | 7 | 9 | 8 | | | | | | | | | | | | |
| 9 | SS-9 | 89 | [Symbol] | CH | | | 8 | 8 | 9 | | 29 | 58 | 29 | 2.61 | | | 100 | 99 | 97 | 86 | |
| 10 | SS-10 | 78 | [Symbol] | SM | | | 7 | 8 | 11 | | | | | | | | | | | | |
| 11 | SS-11 | 78 | [Symbol] | SM | | Silty SAND; brown; 63% very fine sand with 15% non-plastic silty fines; 16% medium sand and 5% gravel; MEDIUM DENSE To DENSE. | 8 | 12 | 13 | | | | | | | | | | | | |
| 12 | SS-12 | 78 | [Symbol] | SM | | | 9 | 13 | 20 | | 29 | | | 2.64 | | | 95 | 84 | 78 | 15 | |
| 13 | SS-13 | 44 | [Symbol] | SM | | | 15 | 16 | 34 | | | | | | | | | | | | |
| 14 | CR-1 | 20 | [Symbol] | ST | 0 | SANDSTONE; brown; fine grained; generally broken; HARD. | CORING | | | | | | | | | | | | | | |
| 15 | CR-2 | 20 | [Symbol] | ST | 0 | | CORING | | | | | | | | | | | | | | |
| 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: P. MADERA
 SUPERVISOR: M. Estaura

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

図5-3-3 (20/22) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BL - 9a

PROJECT: Pasig-Marikina River Channel Imp. Proj.
 LOCATION: Left Bank, Vargas Bridge, Pasig City
 BH NO: BL-9 DATE DRILLED: 12 - 14 November 2000

GROUND ELEV. (MLLW = Zero Datum) + 13.736
 STATION NO.: 1 + 325
 WEATHER: FAIR

DEPTH OF WATER: 0.75 m.
 DATE MEASURED: 14 Nov. 2000
 TIME MEASURED: 12:00 NN

COORDINATES: 1611031.716 N, 507843.905 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 W, % | 4 | 10 | 40 | 200 | |
| 1 | SS-1 | 33 | | GM | | Sandy GRAVEL; brown to gray; 37% sub-angular gravel; 33% fine to coarse sand; 30% non-plastic fines; VERY DENSE. | 4 | 9 | 50 | | | | | | | | | | 2.63 | | | 63 | 52 | 44 | 30 | |
| 2 | SS-2 | 33 | | SW | | Fine To Coarse SAND; gray; well-graded with some gravel; LOOSE. | 5 | 3 | 2 | | | | | | | | | | | | | | | | | |
| 3 | SS-3 | 33 | | | | | 2 | 4 | 2 | | | | | | | | | | | | | | | | | |
| 4 | SS-4 | 33 | | SW | | Gravelly SAND; gray; 46% well-graded sand with 40% sub-angular gravel; 14% non-plastic silty fines; VERY LOOSE To MEDIUM DENSE. | 2 | 1 | 1 | | | | 14 | | | | | | 2.64 | | | 60 | 47 | 28 | 14 | |
| 5 | SS-5 | 67 | | GW | | | 4 | 9 | 2 | | | | | | | | | | | | | | | | | |
| 6 | SS-6 | 33 | | | | | 2 | 2 | 2 | | | | | | | | | | | | | | | | | |
| 7 | SS-7 | 44 | | SW | | Gravelly SAND; dark gray; 69% coarse to medium sand; 28% gravel; with little amount of non-plastic silt; MEDIUM DENSE to LOOSE. | 12 | 11 | 12 | | | | | | | | | | | 2.63 | | | 72 | 35 | 3 | 2 |
| 8 | SS-8 | 100 | | | | | 4 | 3 | 4 | | | | | | | | | | | | | | | | | |
| 9 | SS-9 | 100 | | | | | 4 | 2 | 2 | | | | | | | | | | | | | | | | | |
| 10 | UDS-1 | 100 | | | | | PRESSED | | | | | | 39 | 1.73 | 71 | 47 | 2.61 | | | Cc 0.455 | Pc 1.930 | 100 | 93 | 83 | 76* | |
| 11 | SS-10 | 100 | | | | | 2 | 2 | 2 | | | | 48 | | 63 | 39 | 2.60 | | | | | 99 | 98 | 98 | 92 | |
| 12 | UDS-2 | 100 | | CH | | | PRESSED | | | | | | 50 | 1.62 | 67 | 38 | 2.60 | | | Cc 0.625 | Pc 1.650 | 100 | 99 | 98 | 98* | |
| 13 | SS-11 | 100 | | | | Silty CLAY; dark gray; 76-98% very high plasticity clay with little amount of very fine sand; FIRM. | 2 | 3 | 3 | | | | | | | | | | | | | | | | | |
| 14 | UDS-3 | 100 | | | | | PRESSED | | | | | | 55 | 1.52 | 71 | 44 | 2.60 | | | Cc 1.060 | Pc 2.170 | 100 | 91 | 90 | 89 | |
| 15 | SS-12 | 100 | | | | | 3 | 2 | 2 | | | | | | | | | | | | | | | | | |
| 16 | SS-13 | 100 | | | | | 4 | 2 | 2 | | | | 77 | | 74 | 50 | 2.61 | | | | | 100 | 98 | 95 | 91* | |
| 17 | SS-14 | 100 | | | | | 3 | 2 | 2 | | | | | | | | | | | | | | | | | |
| 18 | SS-15 | 100 | | | | | 3 | 3 | 3 | | | | | | | | | | | | | | | | | |
| 19 | SS-16 | 100 | | | | | 2 | 3 | 3 | | | | 51 | | 64 | 37 | 2.61 | | | | | 100 | 98 | 85 | | |
| 20 | SS-17 | 67 | | GW | | Sandy GRAVEL; dark gray; angular gravel with coarse to medium sand; (Tuffaceous Sandstone); VERY DENSE. | 50 | 10 | | | | | | | | | | | | | | | | | | |

BTA 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 (21/221) 柱状図 (フェーズI実施分)

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

PROJECT: Pasig-Marikina River Channel Imp. Proj.
LOCATION: Left Bank, Vargas Bridge, Pasig City
BH NO: BL-9 **DATE DRILLED:** 12 - 14 November 2000

GROUND ELEV. (MLLW = Zero Datum) + 13.736
STATION NO.: 1 + 325
WEATHER: FAIR

DEPTH OF WATER: 0.75 m.
DATE MEASURED: 14 Nov. 2000
TIME MEASURED: 12:00 NN

COORDINATES: 1611031.716 N, 507843.905 E

| 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 ² | STRAIN % | 4 | 10 | 40 | 200 | | | |
| 21 | CR-1 | 50 | [Symbol] | TS | 48 | Tuffaceous SANDSTONE; dark gray; medium to coarse grained; well-cemented; HARD. | | | | | | | | | | | | | | | | | | | | | | |
| 22 | CR-2 | 50 | [Symbol] | | 46 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | End of Boring (22.00 m) | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

MACHINE: ACKER ACE
DRILLER: 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 (22/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

BL - 10a

PROJECT: Pasig-Marikina River Channel Imp. Proj.

GROUND ELEV. (MLLW = Zero Datum) + 15.581

DEPTH OF WATER: 5.70 m.

LOCATION: Left Bank, Antonio Dr., Maybunga, Pasig

STATION NO.: 3 + 275

DATE MEASURED: 14 Nov. 2000

BH NO: BL-10 DATE DRILLED: 11 - 14 November 2000

WEATHER: FAIR

TIME MEASURED: 10:00 AM

COORDINATES: 1612670.611 N, 508777.181 E

| DEPTH, m | SAMPLE NO. | RECOVERY (%) | 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 W, % | 4 | 10 | 40 | 200 | |
| 1 | SS-1 | 67 | | SW | | Gravelly SAND; light brown; 66% well-graded sand; 24% gravel; 10% non-plastic fines; MEDIUM DENSE. | 14 | 15 | 8 | | | | | 2.64 | | | 76 | 54 | 27 | 10 | | |
| 2 | SS-2 | 33 | | | | Sandy GRAVEL; brown; 59% sub-angular gravel; with 28% coarse to medium sand; little amount of non-plastic fines; VERY LOOSE TO LOOSE. | 1 | 1 | 0 | | | | | | | | | | | | | |
| 3 | SS-3 | 44 | | | | | 1 | 2 | 3 | | | | | | | | | | | | | |
| 4 | SS-4 | 44 | | GW | | | | 2 | 3 | 3 | | | | | 2.65 | | | 41 | 24 | 13 | 9 | |
| 5 | SS-5 | 44 | | | | | | 3 | 3 | 2 | | | | | | | | | | | | |
| 6 | SS-6 | 33 | | | | | | 2 | 3 | 2 | | | | | | | | | | | | |
| 7 | SS-7 | 44 | | GM | | Sandy GRAVEL; gray; 42% sub-angular gravel; 38% fine to coarse sand; 20% non-plastic fines; MEDIUM DENSE. | 8 | 7 | 5 | | | | | 2.64 | | | 58 | 47 | 31 | 20 | | |
| 8 | SS-8 | 89 | | | | | 11 | 7 | 5 | | | | | | | | | | | | | |
| 9 | SS-9 | 67 | | | | Gravelly SAND; gray to brown; 67% fine to coarse sand with 26% sub-angular gravel; 7% non-plastic fines; MEDIUM DENSE TO DENSE. | 8 | 26 | 20 | | | | | | | | | | | | | |
| 10 | SS-10 | 56 | | SW | | | | 8 | 10 | 16 | | | | | 2.65 | | | 74 | 54 | 20 | 7 | |
| 11 | SS-11 | 56 | | | | | | 15 | 19 | 21 | | | | | | | | | | | | |
| 12 | SS-12 | 56 | | | | | | 17 | 21 | 23 | | | | | | | | | | | | |
| 13 | SS-13 | 89 | | | | Silty CLAY; gray; 87-94% very high plasticity clay with about 5-12% fine medium sand; FIRM. | 3 | 3 | 3 | | | | | | | | 100 | 99 | 98 | 94 | | |
| 14 | SS-14 | 89 | | | | | | 5 | 2 | 2 | | | | | | | | | | | | |
| 15 | UDS-1 | 56 | | | | | | PRESSED | | | | | | | | | | | | | | |
| 16 | SS-15 | 89 | | CH | | | 3 | 3 | 3 | | | | | | | | | | | | | |
| 17 | UDS-2 | 56 | | | | | PRESSED | | | | | | | | | | | | | | | |
| 18 | SS-16 | 89 | | | | Sandy CLAY; gray; 74-79% medium to high plasticity clayey fines with 20-26% very fine sand; STIFF. | 2 | 4 | 6 | | | | | | | | | | | | | |
| 19 | SS-17 | 89 | | | | | 3 | 4 | 4 | | | | | | | | | | | | | |
| 20 | SS-18 | 89 | | | | | 4 | 4 | 4 | | | | | | | | | | | | | |



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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
W/ HYDROMETER ANALYSIS

図5-3-3 (23/221) 柱状図 (フェーズI実施分)

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS BL - 10b


PROJECT: Pasig-Marikina River Channel Imp. Proj.
 LOCATION: Left Bank, Antonio Dr., Maybunga, Pasig
 BH NO: BL-10 DATE DRILLED: 11 - 14 November 2000

GROUND ELEV. (MLLW = Zero Datum) + 15.581
 STATION NO.: 3 + 275
 WEATHER: FAIR

DEPTH OF WATER: 5.70 m.
 DATE MEASURED: 14 Nov. 2000
 TIME MEASURED: 10:00 AM

COORDINATES: 1612670.611 N, 508777.181 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 %, M | 4 | 10 | 40 | 200 | | | | |
| 21 | UDS-3 | 56 | ■ | | | | PRESSED | | | | | | | | | | | | | | | | | | | | | | |
| 22 | SS-19 | 89 | ■ | | | | 4 | 5 | 3 | 10 | 20 | 30 | 40 | 50 | 38 | 68 | 46 | 2.60 | | | | | | | | 100 | 99 | | |
| 23 | SS-20 | 78 | ■ | | | | 8 | 10 | 13 | 10 | 20 | 30 | 40 | 50 | | | | | | | | | | | | | | | |
| 24 | SS-21 | 78 | ■ | CH | | Silty CLAY; gray to yellowish brown; 96-99% very high plasticity clay with very little or no fine sand; STIFF to VERY STIFF and HARD. | 8 | 10 | 10 | 10 | 20 | 30 | 40 | 50 | | | | | | | | | | | | | | | |
| 25 | SS-22 | 89 | ■ | | | | 7 | 12 | 14 | 10 | 20 | 30 | 40 | 50 | 35 | 72 | 46 | 2.60 | | | | | | | 100 | 99 | 96 | | |
| 26 | SS-23 | 78 | ■ | | | | 13 | 18 | 18 | 10 | 20 | 30 | 40 | 50 | | | | | | | | | | | | | | | |
| 27 | SS-24 | 89 | ■ | | | | 7 | 9 | 13 | 10 | 20 | 30 | 40 | 50 | | | | | | | | | | | | | | | |
| 28 | SS-25 | 89 | ■ | | | | 9 | 13 | 17 | 10 | 20 | 30 | 40 | 50 | 36 | 70 | 44 | 2.60 | | | | | | | | | | 100 | 99 |
| 29 | SS-26 | 89 | ■ | | | | 8 | 10 | 12 | 10 | 20 | 30 | 40 | 50 | | | | | | | | | | | | | | | |
| 30 | SS-27 | 80 | ■ | GM | | Sandy GRAVEL; brown; 43% coarse to fine sand with 44% sub-angular gravel; 13% non-plastic fines; VERY DENSE. | 48 | 50 | 9 | 10 | 20 | 30 | 40 | 50 | 13 | | | 2.65 | | | | | | | 56 | 41 | 22 | 13 | |
| 31 | SS-28 | 33 | ■ | | | | 50 | 10 | | 10 | 20 | 30 | 40 | 50 | | | | | | | | | | | | | | | |
| 32 | SS-29 | 89 | ■ | | | | 24 | 13 | 17 | 10 | 20 | 30 | 40 | 50 | | | | | | | | | | | | | | | |
| 33 | SS-30 | 89 | ■ | CH | | Silty CLAY; greenish gray; 98% very high plasticity clay with 2% fine to medium sand; VERY STIFF | 11 | 13 | 16 | 10 | 20 | 30 | 40 | 50 | 42 | 61 | 40 | 2.60 | | | | | | | 100 | 99 | 98 | | |
| 34 | SS-31 | 89 | ■ | | | | 10 | 13 | 14 | 10 | 20 | 30 | 40 | 50 | | | | | | | | | | | | | | | |
| 35 | SS-32 | 67 | ■ | | | | 10 | 14 | 14 | 10 | 20 | 30 | 40 | 50 | 51 | 67 | 43 | 2.60 | | | | | | | | | | 100 | 98 |
| 36 | | | | | | End of Boring (35.00 m) | | | | | | | | | | | | | | | | | | | | | | | |



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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 (24/221) 柱状図 (フェーズI実施分)

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

PROJECT: Pasig-Marikina River Channel Imp. Proj.
 LOCATION: Left Bank, Litton Mills, Manggahan, Pasig
 BH NO: BL - 11 DATE DRILLED: 09 - 10 Dec. 2000

GROUND ELEV. (MLLW = Zero Datum) + 7.990
 STATION NO.: 4 + 900
 WEATHER: F A I R

DEPTH OF WATER: 2.50 m
 DATE MEASURED: 10 Dec. 2000
 TIME MEASURED: 7:50 AM

COORDINATES: 1614296.587 N, 508760.641 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 W, % | 4 | 10 | 40 | 200 |
| 1 | SS-1 | 89 | | CH | | Sandy CLAY; gray; 83% very high plasticity clay with 16% very fine sand; VERY SOFT. | 1 | 0 | 0 | 10 | 20 | 30 | 40 | 50 | 71 | 76 | 55 | 2.61 | | | 100 | 99 | 99 | 8 | |
| 2 | SS-2 | 89 | | CH | | Sandy CLAY; dark gray; 63% high plasticity clay with 19% fine to coarse sand and 18% gravel; FIRM. | 1 | 0 | 0 | | | | | | | | | | | | | | | | |
| 3 | SS-3 | 89 | | CH | | Sandy CLAY; dark gray; 63% high plasticity clay with 19% fine to coarse sand and 18% gravel; FIRM. | 11 | 2 | 3 | | | | | | 51 | 59 | 35 | 2.61 | | | 82 | 76 | 69 | 6 | |
| 4 | SS-4 | 89 | | SM | | Silty SAND; yellowish brown; 75% fine to coarse sand; 23% non-plastic silt; VERY DENSE. | 19 | 30 | 20 | | | | | | | | | | | | | | | | |
| 5 | SS-5 | 100 | | SM | | Silty SAND; yellowish brown; 75% fine to coarse sand; 23% non-plastic silt; VERY DENSE. | 50 | | 7 | | | | | | 48 | | | 2.63 | | | 98 | 64 | 42 | 2 | |
| 6 | CR-1 | 72 | | TS | 50 | Tuffaceous SANDSTONE; gray; medium grained; moderately weathered; HARD. | CORING | | | | | | | | 28 | 1.70 | | | 149.286 | 3.808 | | | | | |
| 7 | CR-2 | 50 | | ST | 45 | SILTSTONE; light brown; fine grained; broken cores; HARD. | CORING | | | | | | | | | | | | | | | | | | |
| 8 | CR-3 | 30 | | | 24 | | CORING | | | | | | | | | | | | | | | | | | |
| 9 | CR-4 | 60 | | | 51 | | CORING | | | | | | | | 35 | 1.68 | | | 54.62 | 1.841 | | | | | |
| 10 | CR-5 | 75 | | LT | 64 | Lapilli TUFF; brown; medium to coarse grained; moderately cemented; HARD. | CORING | | | | | | | | 23 | 1.90 | | | 76.929 | 2.253 | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | CR-6 | 53 | | | 42 | | CORING | | | | | | | | | | | | | | | | | | |
| 13 | CR-7 | 67 | | | 54 | | CORING | | | | | | | | | | | | | | | | | | |
| 14 | | | | TS | | Tuffaceous SANDSTONE; dark gray; medium grained; well cemented; solid cores; VERY HARD. | | | | | | | | | | | | | | | | | | | |
| 15 | CR-8 | 75 | | | 60 | | CORING | | | | | | | | 27 | 1.91 | | | 132.004 | 3.181 | | | | | |
| 16 | | | | | | End of Borehole (15.00 m) | | | | | | | | | | | | | | | | | | | |



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 W/ HYDROMETER ANALYSIS

図5-3-3 (25/221) 柱状図 (フェーズI実施分)