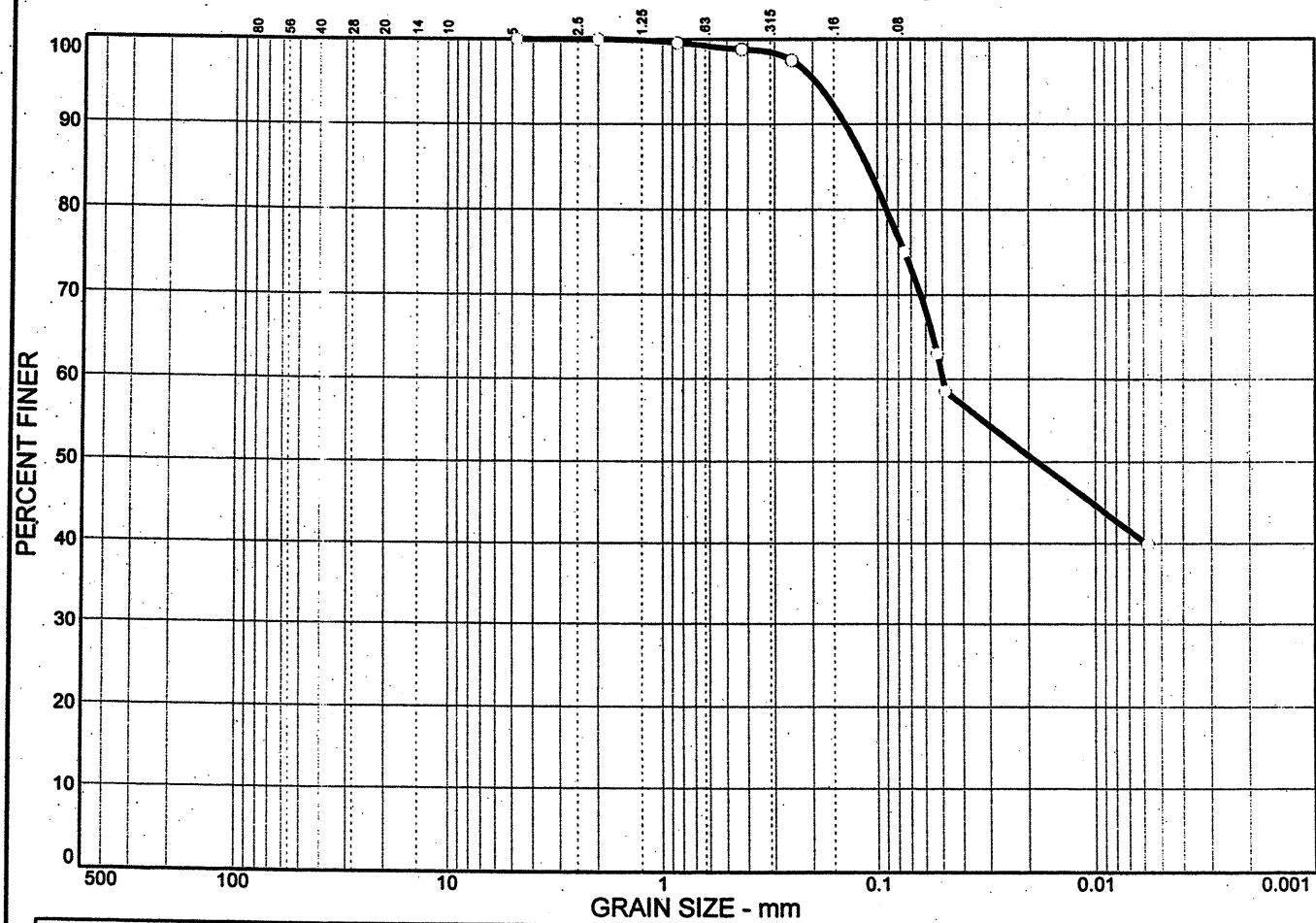


Particle Size Distribution Report



| | | | | |
|-----------|----------|--------|--------|--------|
| % COBBLES | % GRAVEL | % SAND | % SILT | % CLAY |
| 0.0 | 0.0 | 37.0 | | 63.0 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|------------|---------------|----------------|--------------|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.6 | | |
| #40 | 98.8 | | |
| #60 | 97.5 | | |
| #200 | 75.0 | | |
| #270 | 63.0 | | |

Soil Description

PL= 21 **Atterberg Limits** PI= 36
 LL= 57

Coefficients

D₈₅= 0.111 D₆₀= 0.0499 D₅₀= 0.0183
 D₃₀= D₁₅= D₁₀=
 C_u= C_c=

Classification

USCS= ND AASHTO= A-7-6(27)

Remarks

ND=NOT DETERMINED
 SPECIFIC GRAVITY IS ASSUMED

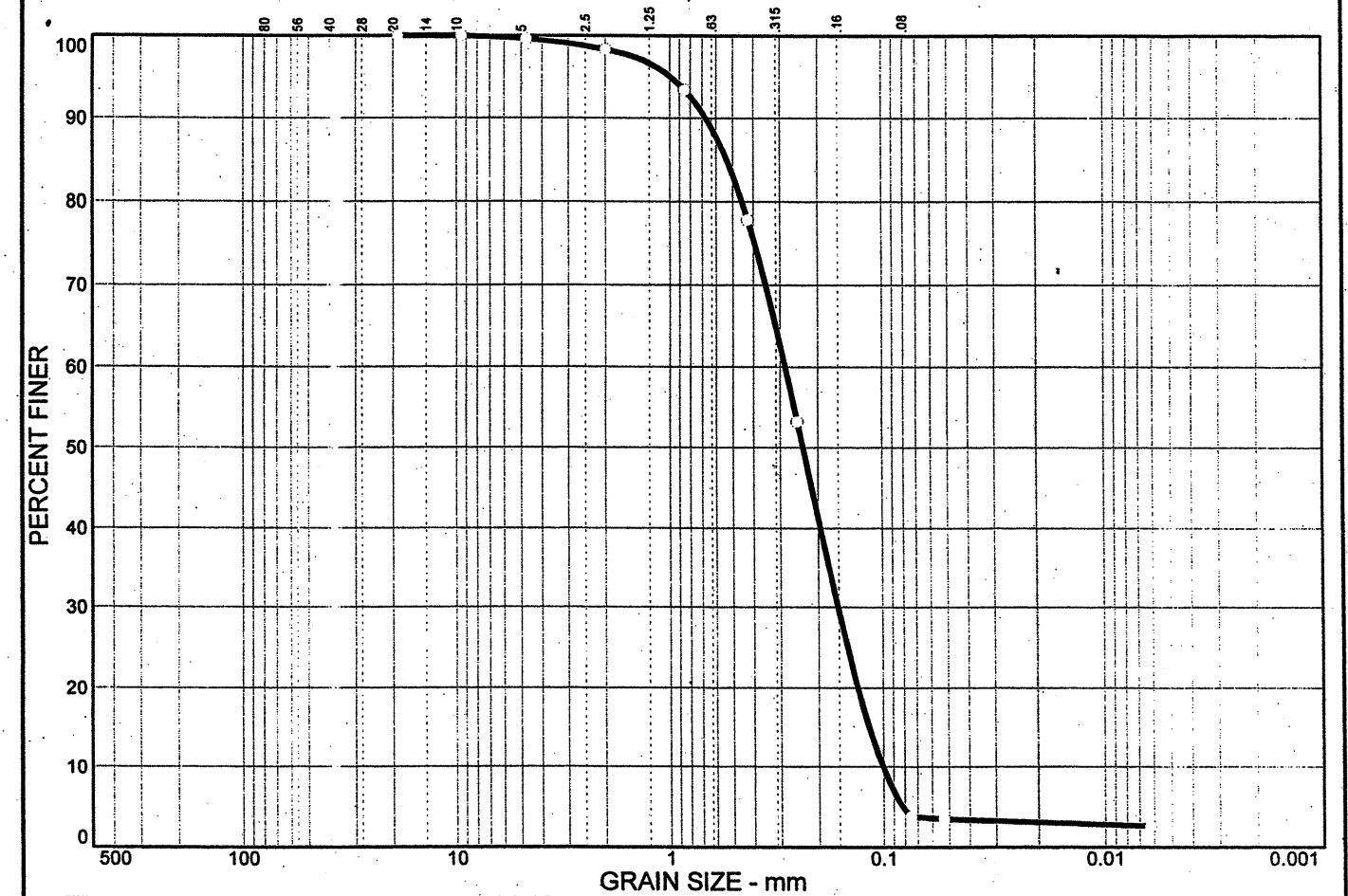
* (no specification provided)

Sample No.: SS-16 Source of Sample: Date: 5/14/04
 Location: B1-A RL SS-16 Elev./Depth: 22.29-22.74

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Client: NCDOT
 Project: DUAL BRIDGES ON NC 87 OVER REEDY MEADOW SWAMP
 Project No: 6468-04-0650

Particle Size Distribution Report



| | | | | |
|-----------|----------|--------|--------|--------|
| % COBBLES | % GRAVEL | % SAND | % SILT | % CLAY |
| 0.0 | 1.7 | 94.8 | | 3.5 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|------------|---------------|----------------|--------------|
| 19.0 mm. | 100.0 | | |
| 9.50 mm. | 100.0 | | |
| #4 | 99.6 | | |
| #10 | 98.3 | | |
| #20 | 93.4 | | |
| #40 | 77.8 | | |
| #60 | 53.2 | | |
| #200 | 3.8 | | |
| #270 | 3.5 | | |

Soil Description

PL= NP **Atterberg Limits** PI= NP
 LL= 20

Coefficients

D₈₅= 0.536 D₆₀= 0.285 D₅₀= 0.235
 D₃₀= 0.161 D₁₅= 0.116 D₁₀= 0.101
 C_u= 2.84 C_c= 0.91

Classification

USCS= ND AASHTO= A-3

Remarks

NP=NON-PLASTIC; ND=NOT DETERMINED
 SPECIFIC GRAVITY IS ASSUMED

* (no specification provided)

Sample No.: S-1 Source of Sample: Date: 5/14/04
 Location: CHANNEL BED S-1 Elev./Depth: 0.00-0.15 M

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