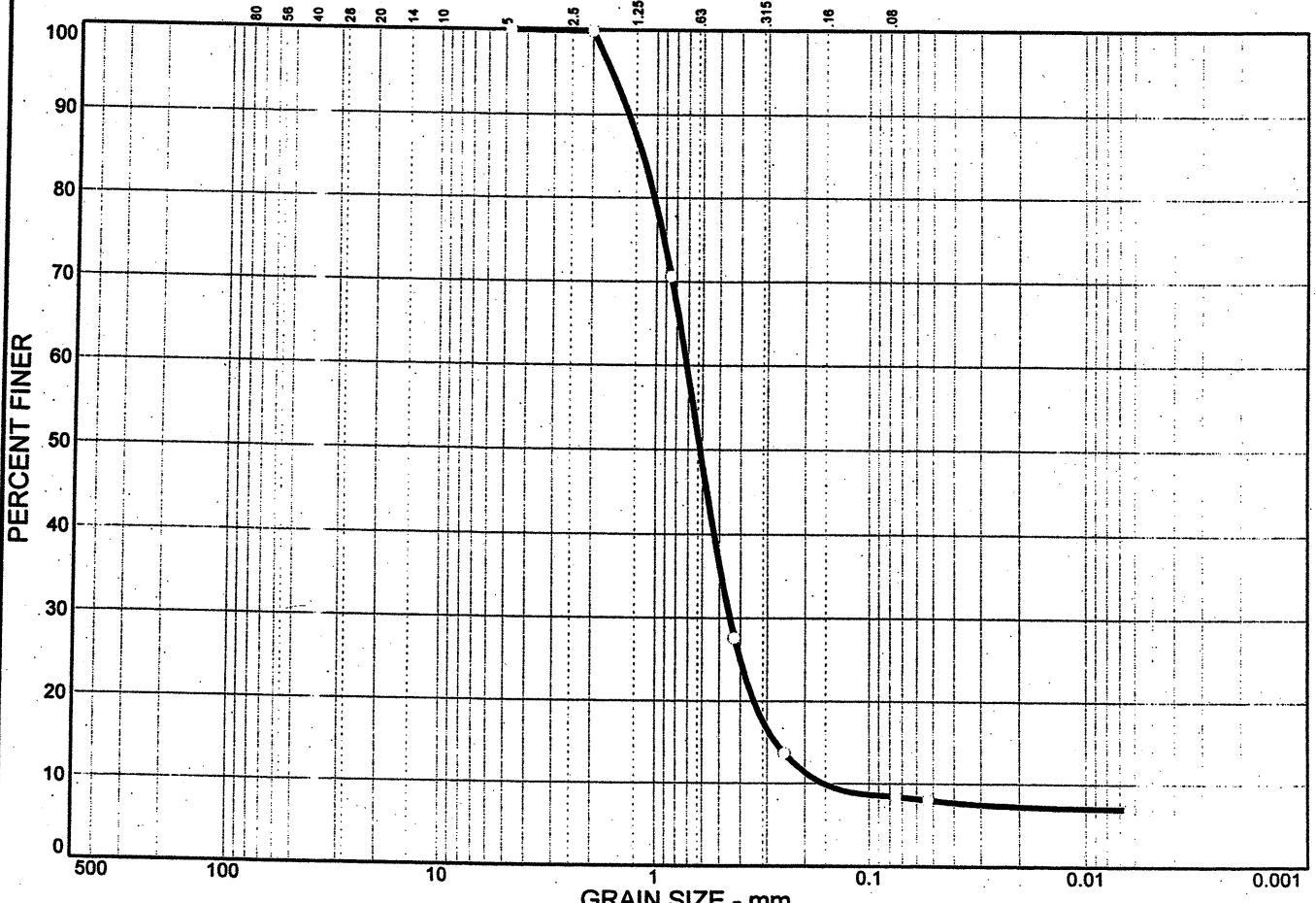


### Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.1	91.9	8.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	99.9		
#20	70.6		
#40	27.6		
#60	13.7		
#200	8.4		
#270	8.0		

**Soil Description**

PL= 13      Atterberg Limits      LL= 26      PI= 13

Coefficients

D<sub>85</sub>= 1.17      D<sub>60</sub>= 0.716      D<sub>50</sub>= 0.617  
D<sub>30</sub>= 0.446      D<sub>15</sub>= 0.274      D<sub>10</sub>= 0.164  
C<sub>u</sub>= 4.36      C<sub>c</sub>= 1.69

Classification

USCS= ND      AASHTO= A-2-6(0)

Remarks

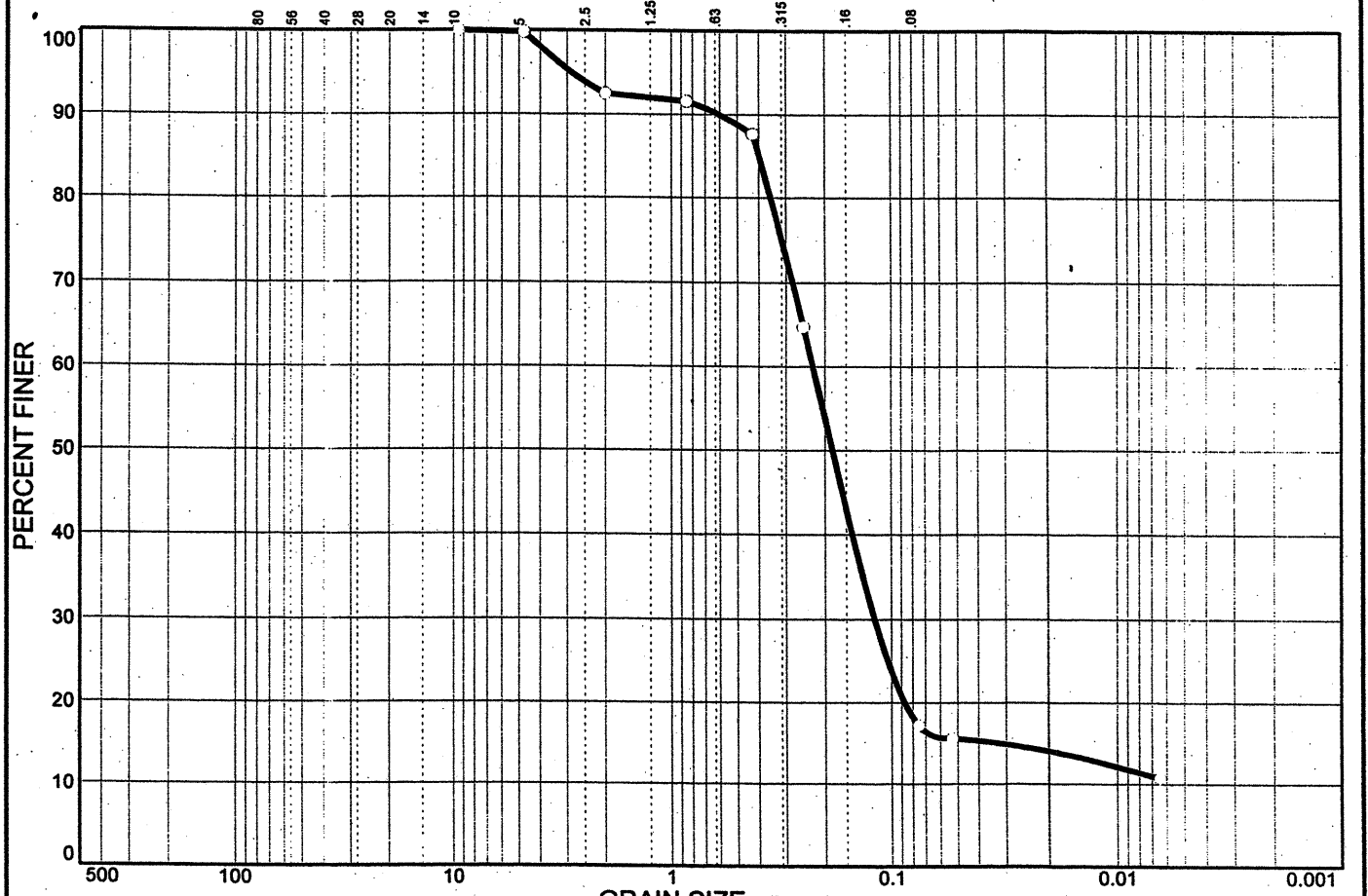
ND=NOT DETERMINED  
SPECIFIC GRAVITY IS ASSUMED

\* (no specification provided)

Sample No.: SS-14      Source of Sample:      Date: 5/14/04  
Location: B1-A RL SS-14      Elev./Depth: 13.17-13.62

<b>MACTEC</b> <b>ENGINEERING &amp; CONSULTING, INC.</b>	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	7.5	76.9	15.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
9.50 mm.	100.0		
#4	99.8		
#10	92.5		
#20	91.6		
#40	87.6		
#60	64.7		
#200	17.2		
#270	15.6		

**Soil Description**

PL= NP      Atterberg Limits      LL= 20      PI= NP

Coefficients

D<sub>85</sub>= 0.399      D<sub>60</sub>= 0.227      D<sub>50</sub>= 0.185  
D<sub>30</sub>= 0.119      D<sub>15</sub>= 0.0316      D<sub>10</sub>=  
C<sub>u</sub>=      C<sub>c</sub>=

Classification

USCS= ND      AASHTO= A-2-4(0)

Remarks

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

\* (no specification provided)

Sample No.: SS-15      Source of Sample:      Date: 5/14/04  
Location: B1-A RL SS-15      Elev./Depth: 17.73-18.18

<b>MACTEC</b> <b>ENGINEERING &amp; CONSULTING, INC.</b>	Client: NCDOT
	Project: DUAL BRIDGES ON NC 87 OVER REEDY MEADOW SWAMP
	Project No: 6468-04-0650