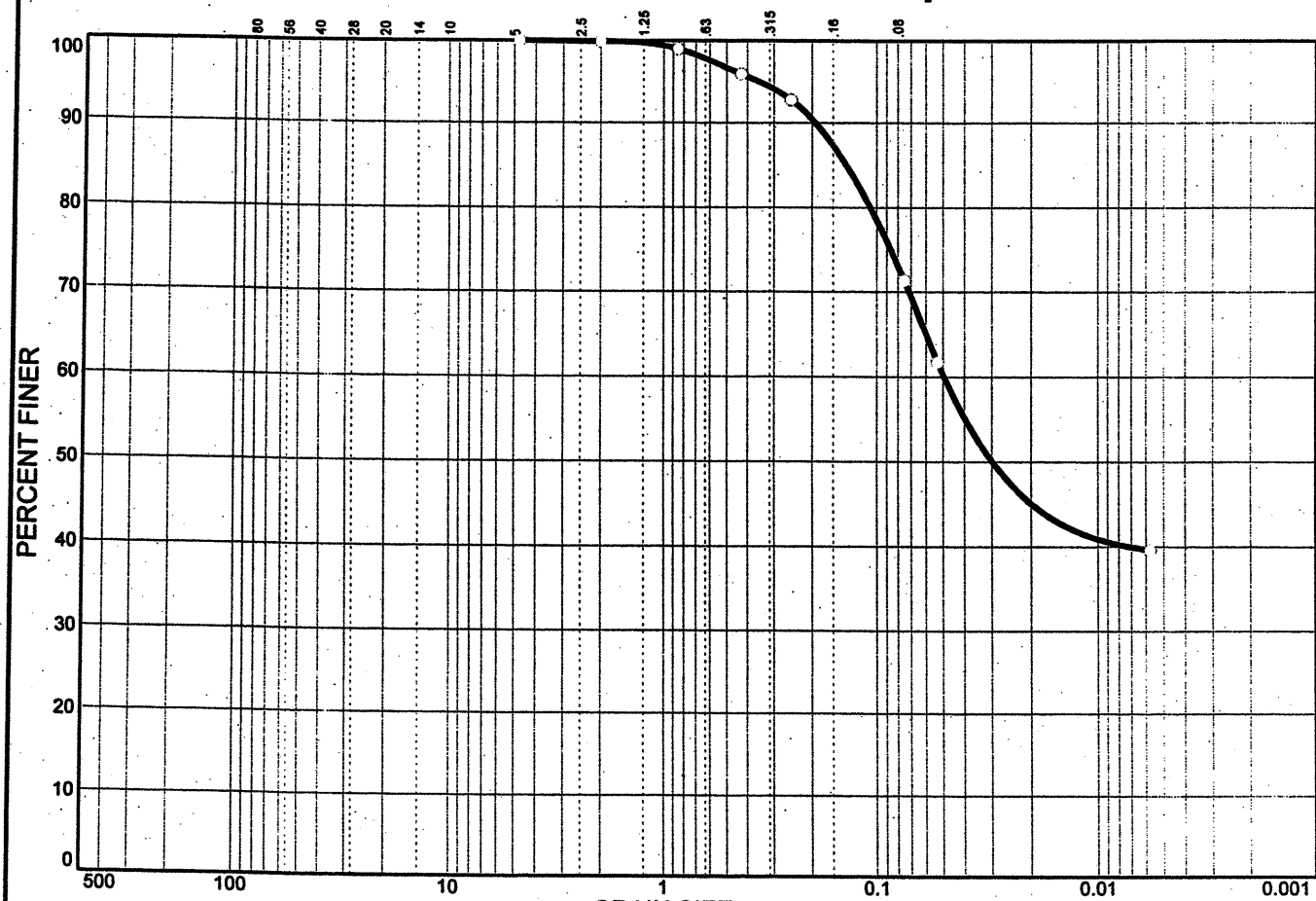


### Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.1	38.2	61.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	99.9		
#20	99.0		
#40	95.9		
#60	92.7		
#200	71.3		
#270	61.7		

**Soil Description**

PL= 19      **Atterberg Limits**      PI= 30  
 LL= 49

**Coefficients**

D<sub>85</sub>= 0.139      D<sub>60</sub>= 0.0496      D<sub>50</sub>= 0.0298  
 D<sub>30</sub>=              D<sub>15</sub>=              D<sub>10</sub>=  
 C<sub>u</sub>=              C<sub>c</sub>=

**Classification**

USCS= ND      AASHTO= A-7-6(20)

**Remarks**

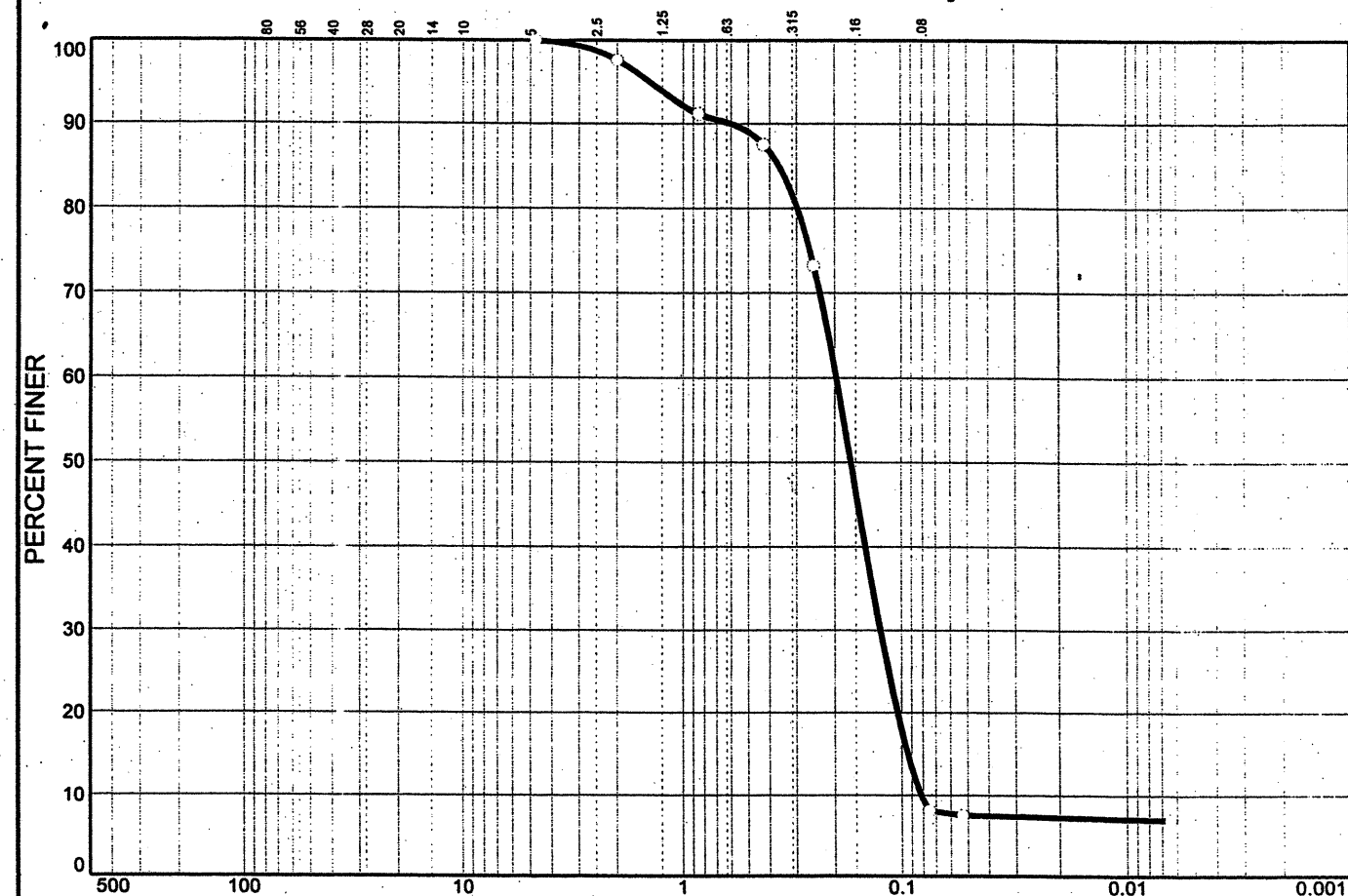
ND=NOT DETERMINED  
 SPECIFIC GRAVITY IS ASSUMED

\* (no specification provided)

Sample No.: SS-9      Source of Sample:      Date: 5/14/04  
 Location: B1-A LL SS-9      Elev./Depth: 7.04-7.49 M

<b>MACTEC</b> ENGINEERING & CONSULTING, INC.	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	2.4	90.1	7.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	97.6		
#20	91.1		
#40	87.5		
#60	73.2		
#200	8.1		
#270	7.5		

**Soil Description**

PL= NP      **Atterberg Limits**      PI= NP  
 LL= 21

**Coefficients**

D<sub>85</sub>= 0.363      D<sub>60</sub>= 0.197      D<sub>50</sub>= 0.168  
 D<sub>30</sub>= 0.124      D<sub>15</sub>= 0.0938      D<sub>10</sub>= 0.0816  
 C<sub>u</sub>= 2.41      C<sub>c</sub>= 0.96

**Classification**

USCS= ND      AASHTO= A-3

**Remarks**

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

\* (no specification provided)

Sample No.: SS-10      Source of Sample:      Date: 5/14/04  
 Location: B2-A LL SS-10      Elev./Depth: 3.14-3.59 M

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