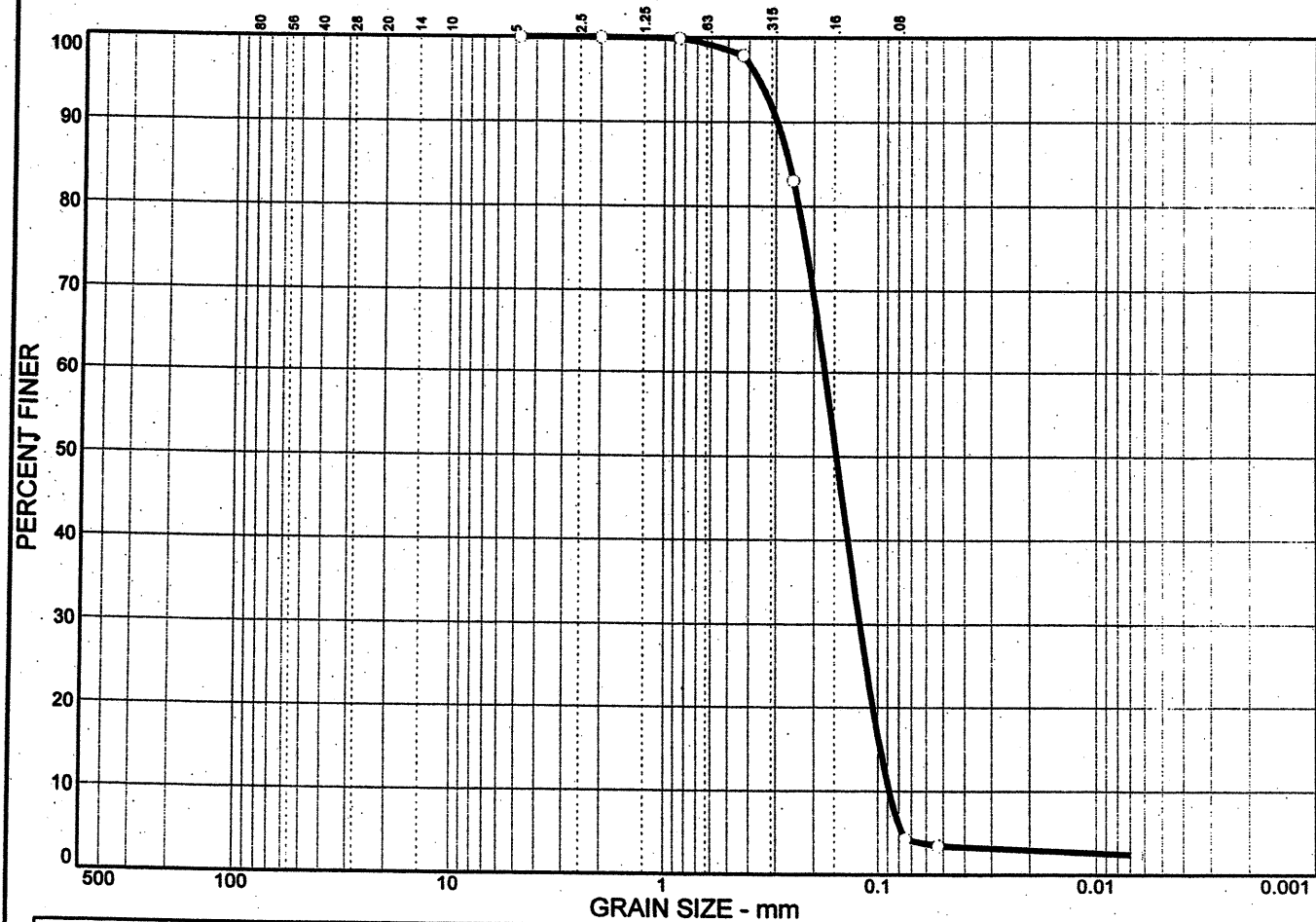


### Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	96.6	3.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	100.0		
#20	99.9		
#40	97.9		
#60	83.0		
#200	4.2		
#270	3.4		

**Soil Description**

PL= NP      Atterberg Limits      PI= NP  
 LL= 21

Coefficients  
 D<sub>85</sub>= 0.261      D<sub>60</sub>= 0.177      D<sub>50</sub>= 0.156  
 D<sub>30</sub>= 0.122      D<sub>15</sub>= 0.0975      D<sub>10</sub>= 0.0886  
 C<sub>u</sub>= 2.00      C<sub>c</sub>= 0.94

Classification  
 USCS= ND      AASHTO= A-3

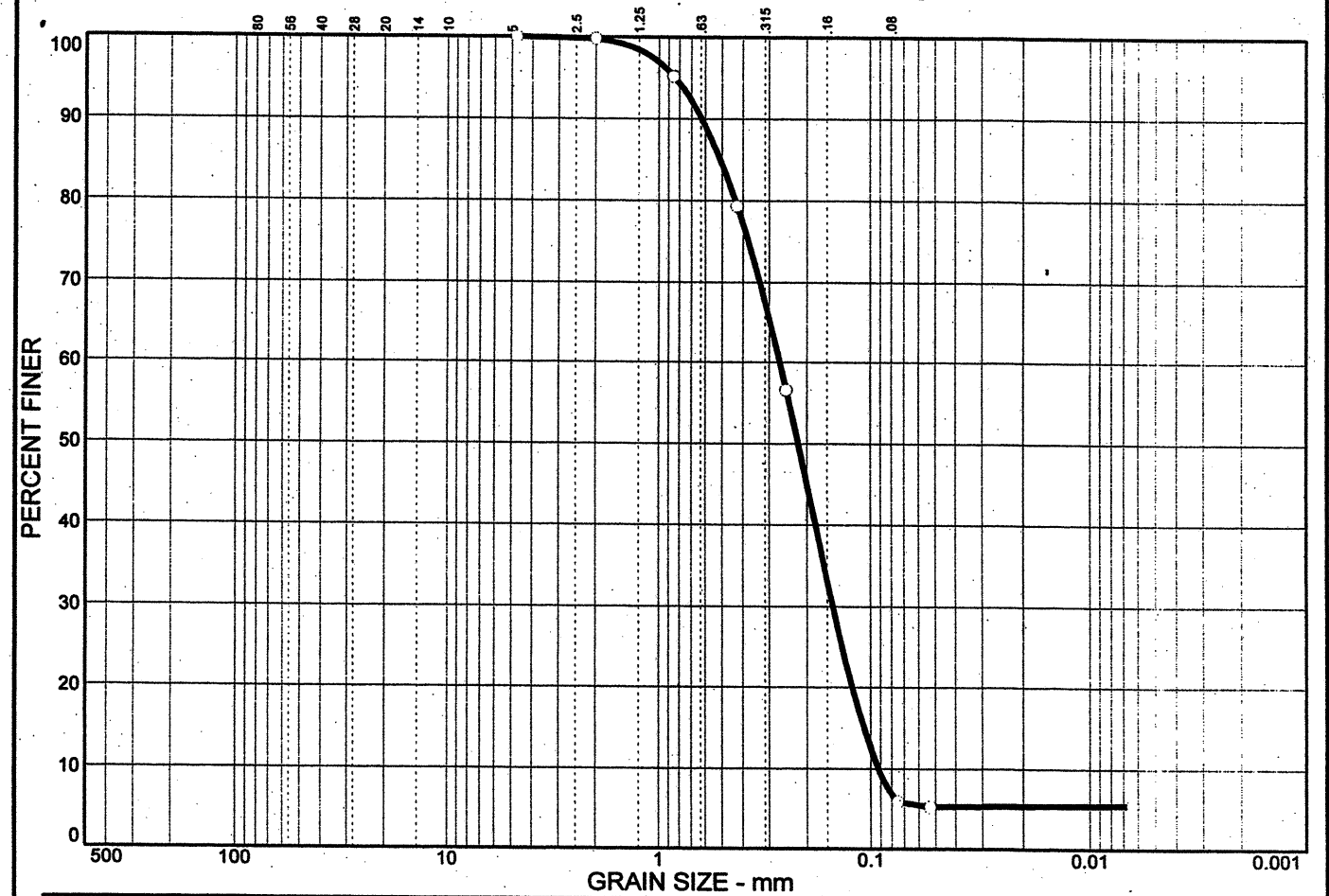
Remarks  
 NP=NON-PLASTIC; ND=NOT DETERMINED  
 SPECIFIC GRAVITY IS ASSUMED

\* (no specification provided)

Sample No.: SS-1      Source of Sample:      Date: 5/14/04  
 Location: EB1-A LL SS-1      Elev./Depth: 2.10-2.55 M

<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	0.2	94.6	5.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	99.8		
#20	95.2		
#40	79.3		
#60	56.6		
#200	5.8		
#270	5.2		

**Soil Description**

PL= NP      Atterberg Limits      PI= NP  
 LL= 21

Coefficients  
 D<sub>85</sub>= 0.511      D<sub>60</sub>= 0.268      D<sub>50</sub>= 0.220  
 D<sub>30</sub>= 0.150      D<sub>15</sub>= 0.108      D<sub>10</sub>= 0.0924  
 C<sub>u</sub>= 2.90      C<sub>c</sub>= 0.91

Classification  
 USCS= ND      AASHTO= A-3

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

\* (no specification provided)

Sample No.: SS-2      Source of Sample:      Date: 5/14/04  
 Location: EB1-A LL SS-2      Elev./Depth: 5.50-5.95 M

<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	