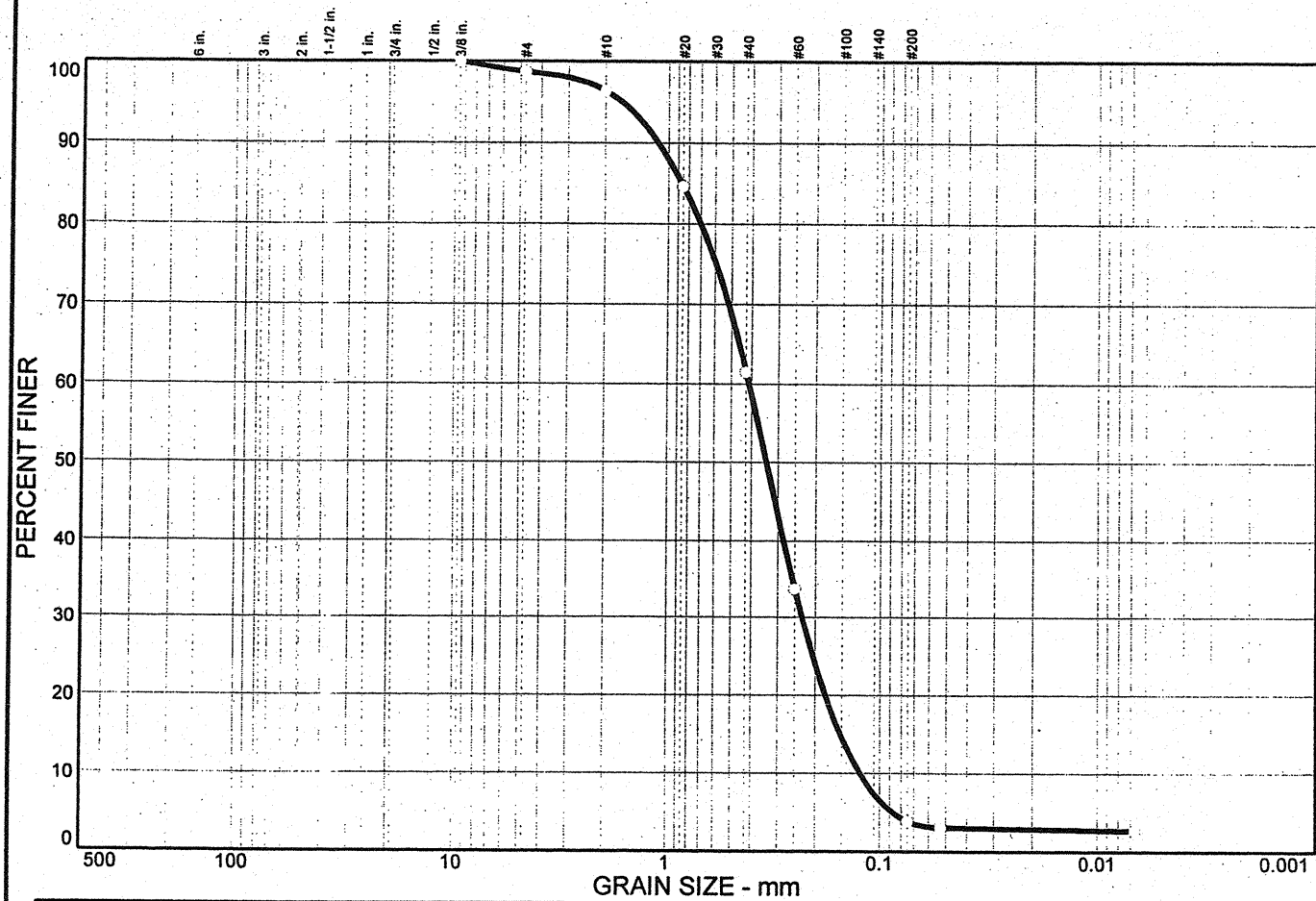


### Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	3.7	93.3	3.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375 in.	100.0		
#4	98.7		
#10	96.3		
#20	84.7		
#40	61.5		
#60	33.7		
#200	3.8		
#270	3.0		

**Soil Description**

PL= NP      **Atterberg Limits**      LL= 9      PI= NP

**Coefficients**

D<sub>85</sub>= 0.862      D<sub>60</sub>= 0.412      D<sub>50</sub>= 0.340  
 D<sub>30</sub>= 0.231      D<sub>15</sub>= 0.152      D<sub>10</sub>= 0.124  
 C<sub>u</sub>= 3.33      C<sub>c</sub>= 1.05

**Classification**

USCS= ND      AASHTO= A-3

**Remarks**

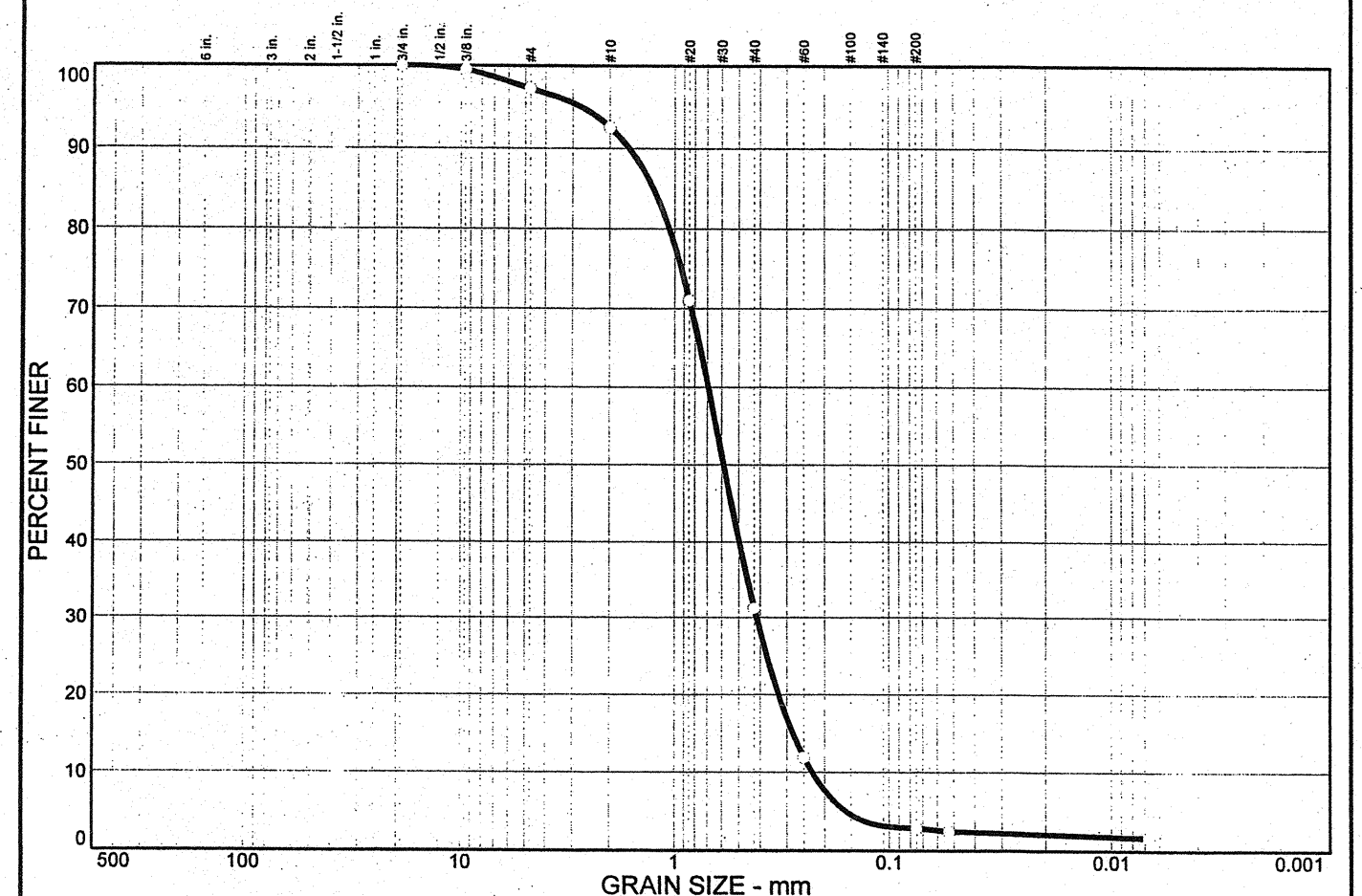
NP=NON-PLASTIC, ND=NOT DETERMINED  
 SPECIFIC GRAVITY IS ASSUMED

\* (no specification provided)

Sample No.: SS-34      Source of Sample:      Date: 1/12/04  
 Location: EB-2 SS-34      Elev./Depth: 17.7-18.9'

<b>MACTEC</b> ENGINEERING & CONSULTING, INC.	Client: NCDOT Project: Currituck and Knott's Island Ferry Basins
	Project No: 6468-03-0470      Plate

### Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	7.5	90.1	2.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75 in.	100.0		
.375 in.	99.5		
#4	97.2		
#10	92.5		
#20	71.0		
#40	31.2		
#60	11.9		
#200	2.8		
#270	2.4		

**Soil Description**

PL= NP      **Atterberg Limits**      LL= 16      PI= NP

**Coefficients**

D<sub>85</sub>= 1.26      D<sub>60</sub>= 0.693      D<sub>50</sub>= 0.588  
 D<sub>30</sub>= 0.415      D<sub>15</sub>= 0.282      D<sub>10</sub>= 0.229  
 C<sub>u</sub>= 3.03      C<sub>c</sub>= 1.08

**Classification**

USCS= ND      AASHTO= A-1-b

**Remarks**

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

\* (no specification provided)

Sample No.: SS-35      Source of Sample:      Date: 1/12/04  
 Location: EB-2 SS-35      Elev./Depth: 32.4-33.9'

<b>MACTEC</b> ENGINEERING & CONSULTING, INC.	Client: NCDOT Project: Currituck and Knott's Island Ferry Basins
	Project No: 6468-03-0470      Plate