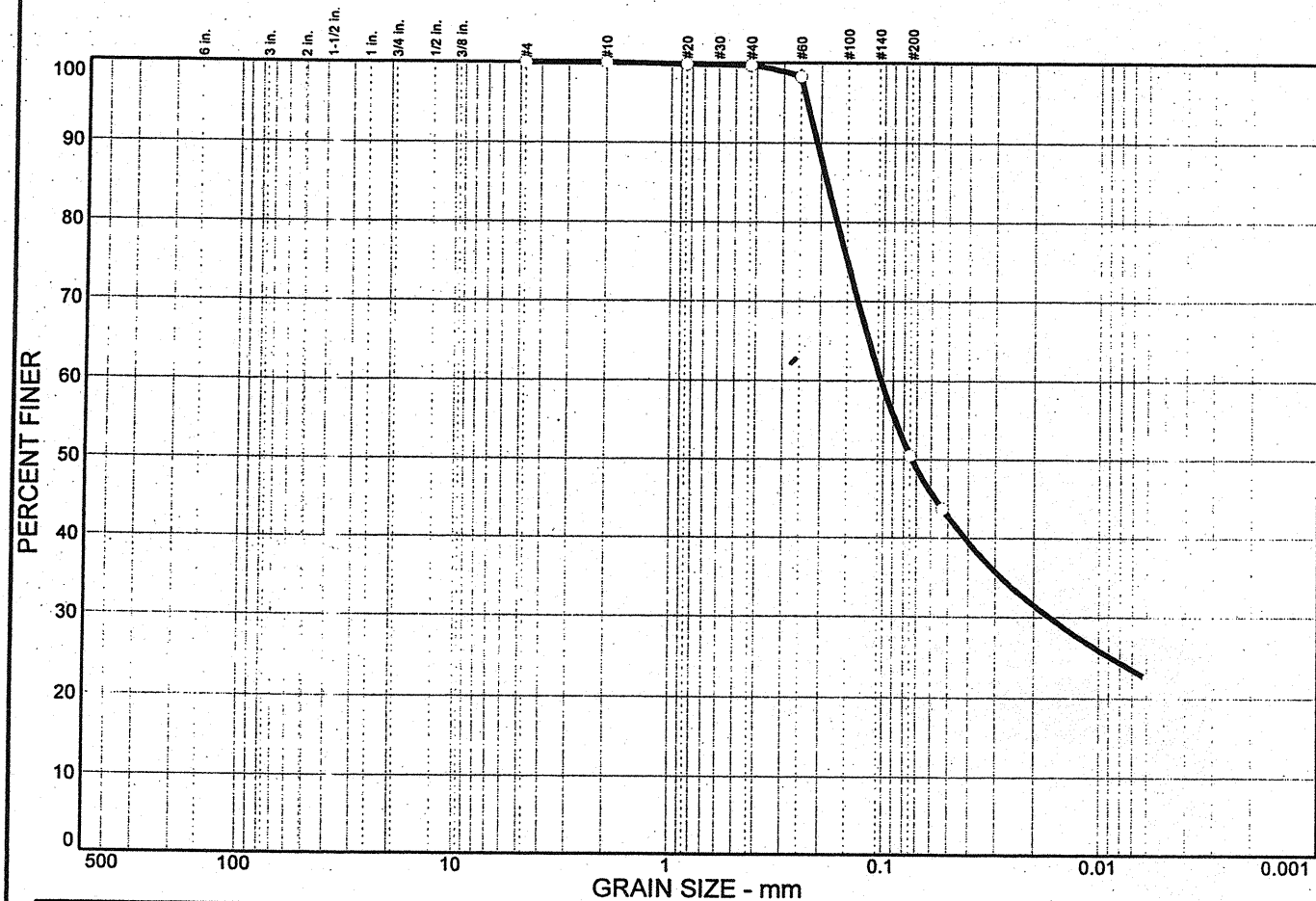


### Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	56.3	43.7	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	100.0		
#20	99.8		
#40	99.7		
#60	98.3		
#200	50.5		
#270	43.7		

**Soil Description**

PL= 14      **Atterberg Limits**      LL= 25      PI= 11

**Coefficients**

D<sub>85</sub>= 0.187      D<sub>60</sub>= 0.103      D<sub>50</sub>= 0.0735  
 D<sub>30</sub>= 0.0169      D<sub>15</sub>=      D<sub>10</sub>=  
 C<sub>u</sub>=      C<sub>c</sub>=

**Classification**

USCS= ND      AASHTO= A-6(2)

**Remarks**

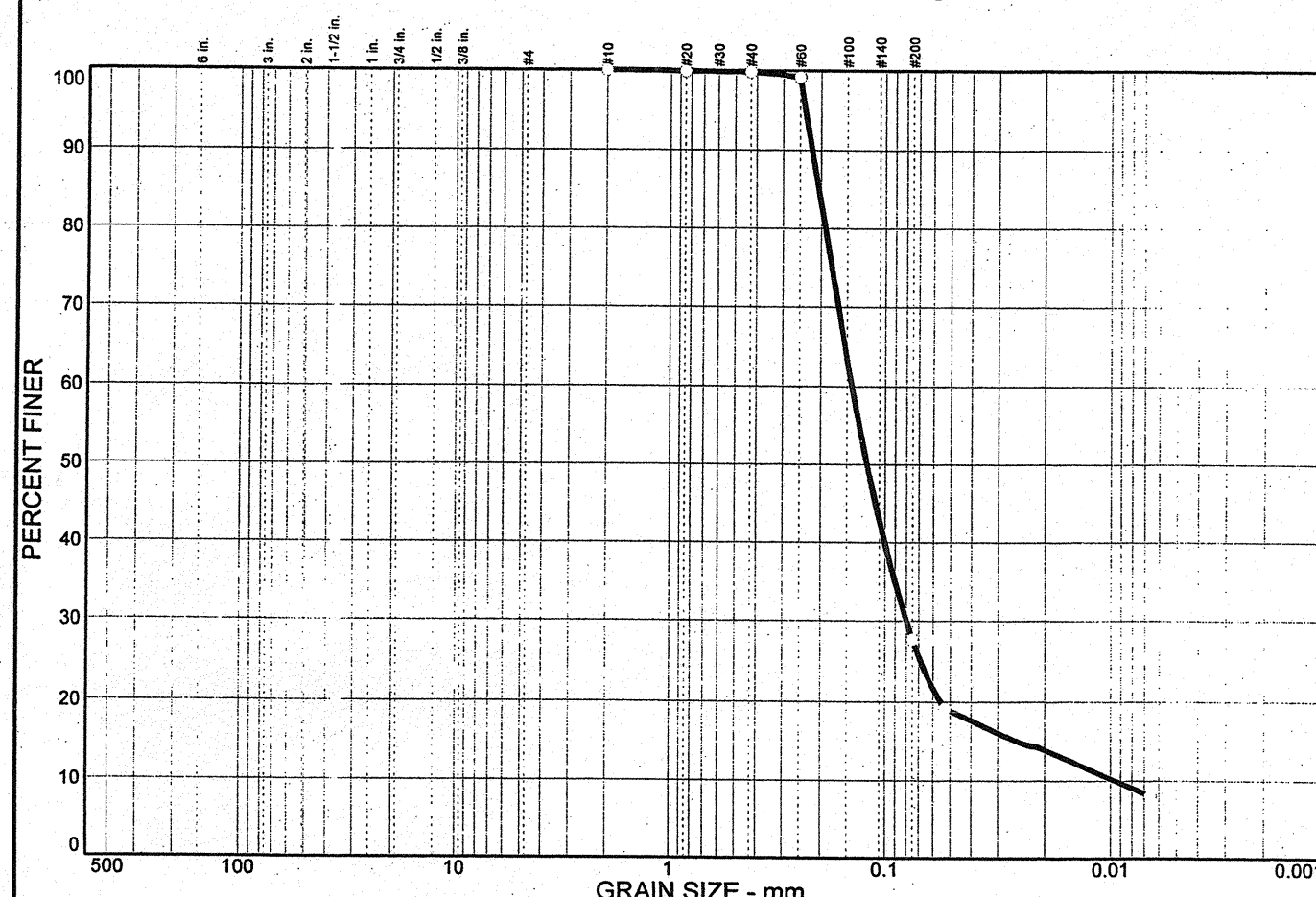
ND=NOT DETERMINED  
 SPECIFIC GRAVITY IS ASSUMED

\* (no specification provided)

Sample No.: SS-11      Source of Sample:      Date: 1/12/04  
 Location: B-1 SS-11      Elev./Depth: 71.8-73.3'

<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	0.0	80.8	19.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#10	100.0		
#20	99.9		
#40	99.8		
#60	99.2		
#200	27.7		
#270	19.2		

**Soil Description**

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

**Coefficients**

D<sub>85</sub>= 0.205      D<sub>60</sub>= 0.142      D<sub>50</sub>= 0.121  
 D<sub>30</sub>= 0.0800      D<sub>15</sub>= 0.0242      D<sub>10</sub>= 0.0096  
 C<sub>u</sub>= 14.88      C<sub>c</sub>= 4.72

**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-12      Source of Sample:      Date: 1/12/04  
 Location: B-1 SS-12      Elev./Depth: 76.8-78.3'

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