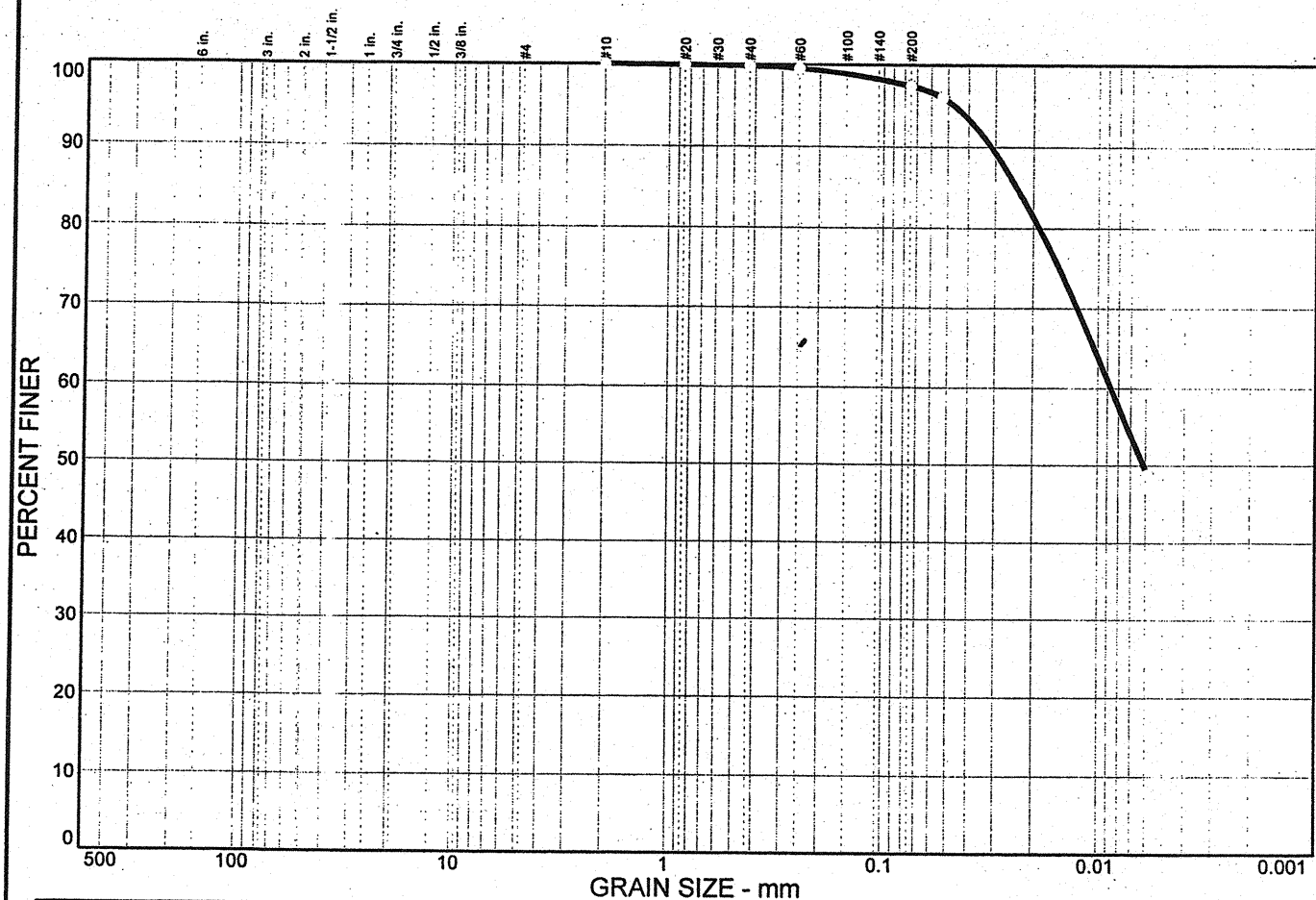


### Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	4.0	96.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#10	100.0		
#20	99.9		
#40	99.8		
#60	99.5		
#200	97.4		
#270	96.0		

**Soil Description**

**Atterberg Limits**  
 PL= 22      LL= 54      PI= 32

**Coefficients**  
 D<sub>85</sub>= 0.0237      D<sub>60</sub>= 0.0087      D<sub>50</sub>= 0.0061  
 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(35)

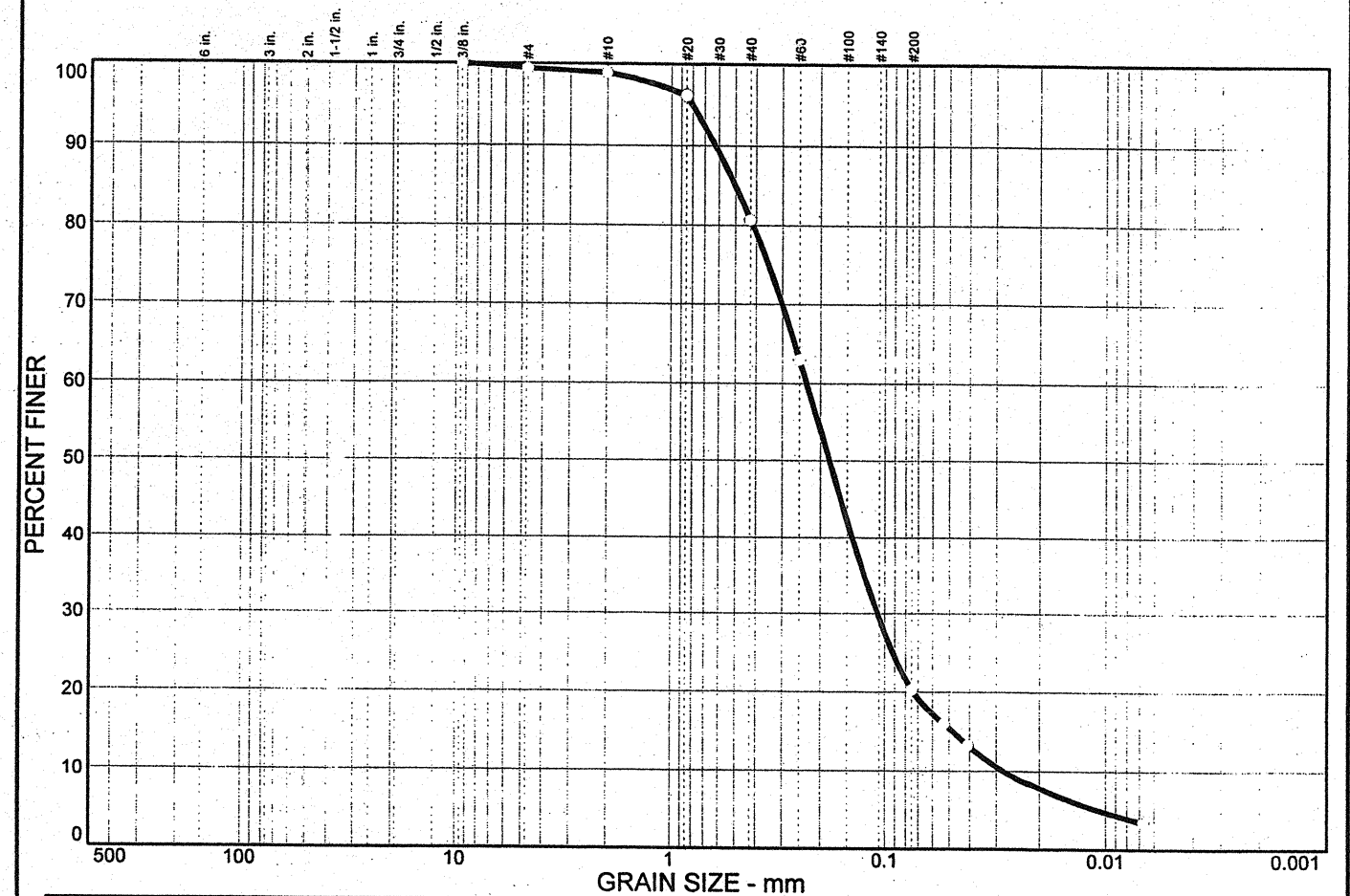
**Remarks**  
 ND=NOT DETERMINED  
 SPECIFIC GRAVITY IS ASSUMED

\* (no specification provided)

Sample No.: SS-13      Source of Sample:      Date: 1/12/04  
 Location: B-1 SS-13      Elev./Depth: 86.8-88.3'

<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	1.1	82.9	16.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375 in.	100.0		
#4	99.4		
#10	98.9		
#20	96.2		
#40	80.7		
#60	63.0		
#200	20.3		
#270	16.0		

**Soil Description**

**Atterberg Limits**  
 PL= NP      LL= 22      PI= NP

**Coefficients**  
 D<sub>85</sub>= 0.501      D<sub>60</sub>= 0.232      D<sub>50</sub>= 0.181  
 D<sub>30</sub>= 0.108      D<sub>15</sub>= 0.0481      D<sub>10</sub>= 0.0280  
 C<sub>u</sub>= 8.26      C<sub>c</sub>= 1.81

**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-14      Source of Sample:      Date: 1/12/04  
 Location: EB-1 SS-14      Elev./Depth: 7.3-8.8'

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