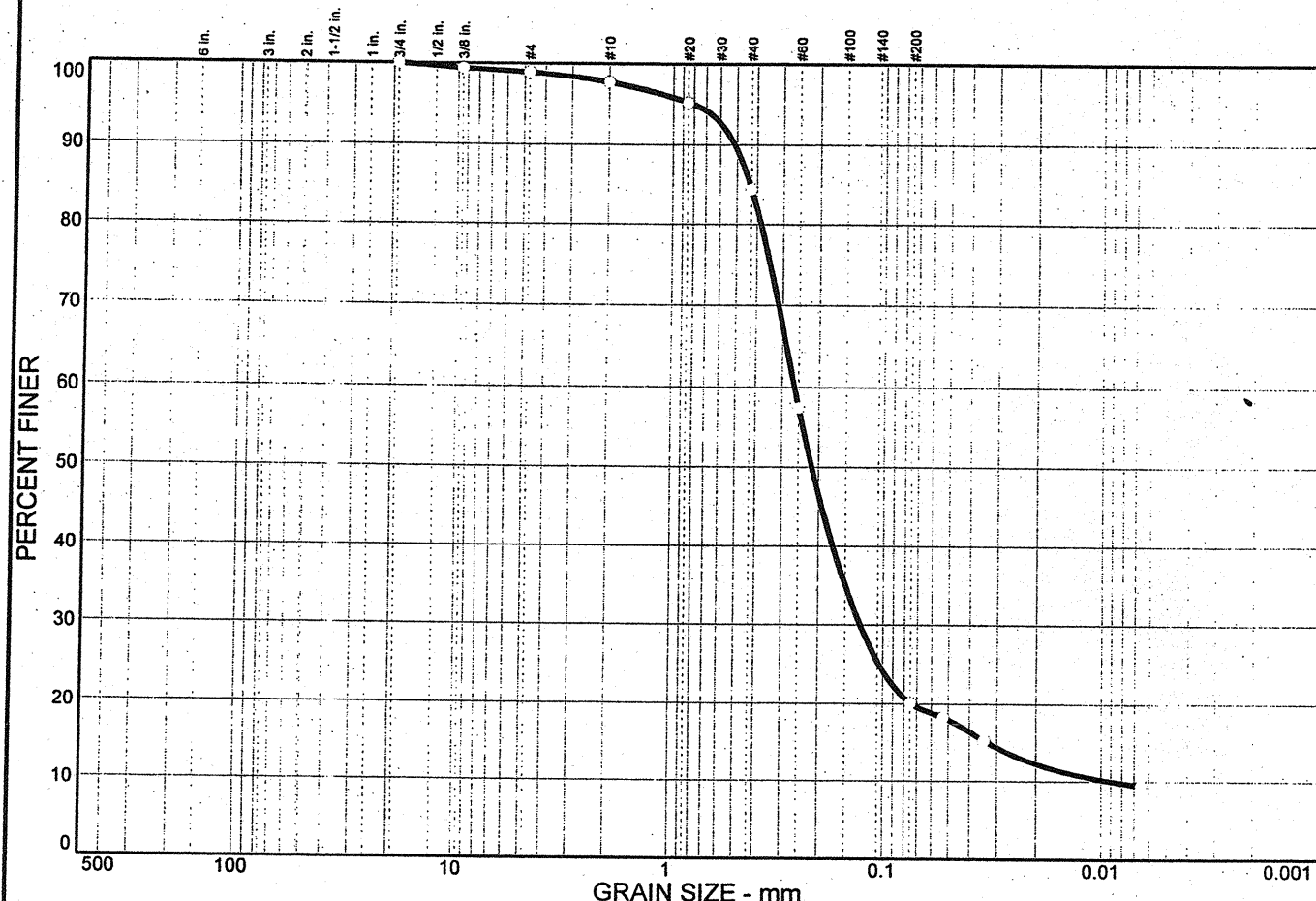


### Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	2.3	79.4	18.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75 in.	100.0		
.375 in.	99.4		
#4	98.9		
#10	97.7		
#20	95.2		
#40	84.4		
#60	57.4		
#200	20.1		
#270	18.3		

**Soil Description**

PL= NP      **Atterberg Limits**      PI= NP  
 LL= 17

**Coefficients**  
 D<sub>85</sub>= 0.432      D<sub>60</sub>= 0.262      D<sub>50</sub>= 0.216  
 D<sub>30</sub>= 0.128      D<sub>15</sub>= 0.0329      D<sub>10</sub>= 0.0091  
 C<sub>u</sub>= 28.92      C<sub>c</sub>= 6.84

**Classification**  
 USCS= ND      AASHTO= A-2-4(0)

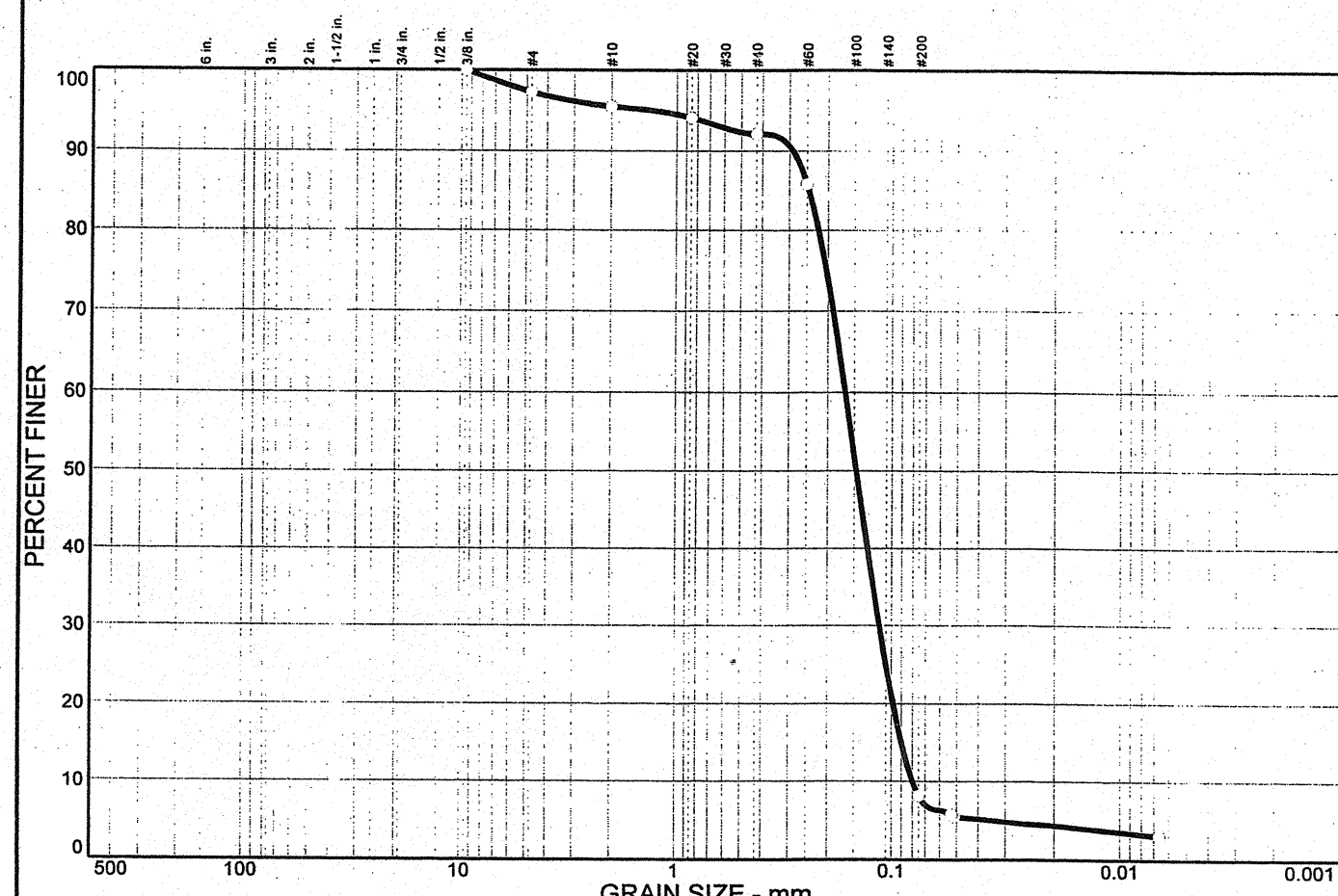
**Remarks**  
 NP=NON-PLASTIC, ND=NOT DETERMINED  
 SPECIFIC GRAVITY IS ASSUMED

\* (no specification provided)

Sample No.: SS-27      Source of Sample:      Date: 1/12/04  
 Location: BH-3 SS-27      Elev./Depth: 0.0-1.5'

<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	4.5	89.7	5.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375 in.	100.0		
#4	97.3		
#10	95.5		
#20	94.1		
#40	92.1		
#60	85.8		
#200	8.1		
#270	5.8		

**Soil Description**

PL= NP      **Atterberg Limits**      PI= NP  
 LL= 15

**Coefficients**  
 D<sub>85</sub>= 0.245      D<sub>60</sub>= 0.166      D<sub>50</sub>= 0.147  
 D<sub>30</sub>= 0.114      D<sub>15</sub>= 0.0903      D<sub>10</sub>= 0.0803  
 C<sub>u</sub>= 2.07      C<sub>c</sub>= 0.98

**Classification**  
 USCS= ND      AASHTO= A-3

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

\* (no specification provided)

Sample No.: SS-28      Source of Sample:      Date: 1/12/04  
 Location: BH-3 SS-28      Elev./Depth: 17.2-18.7'

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