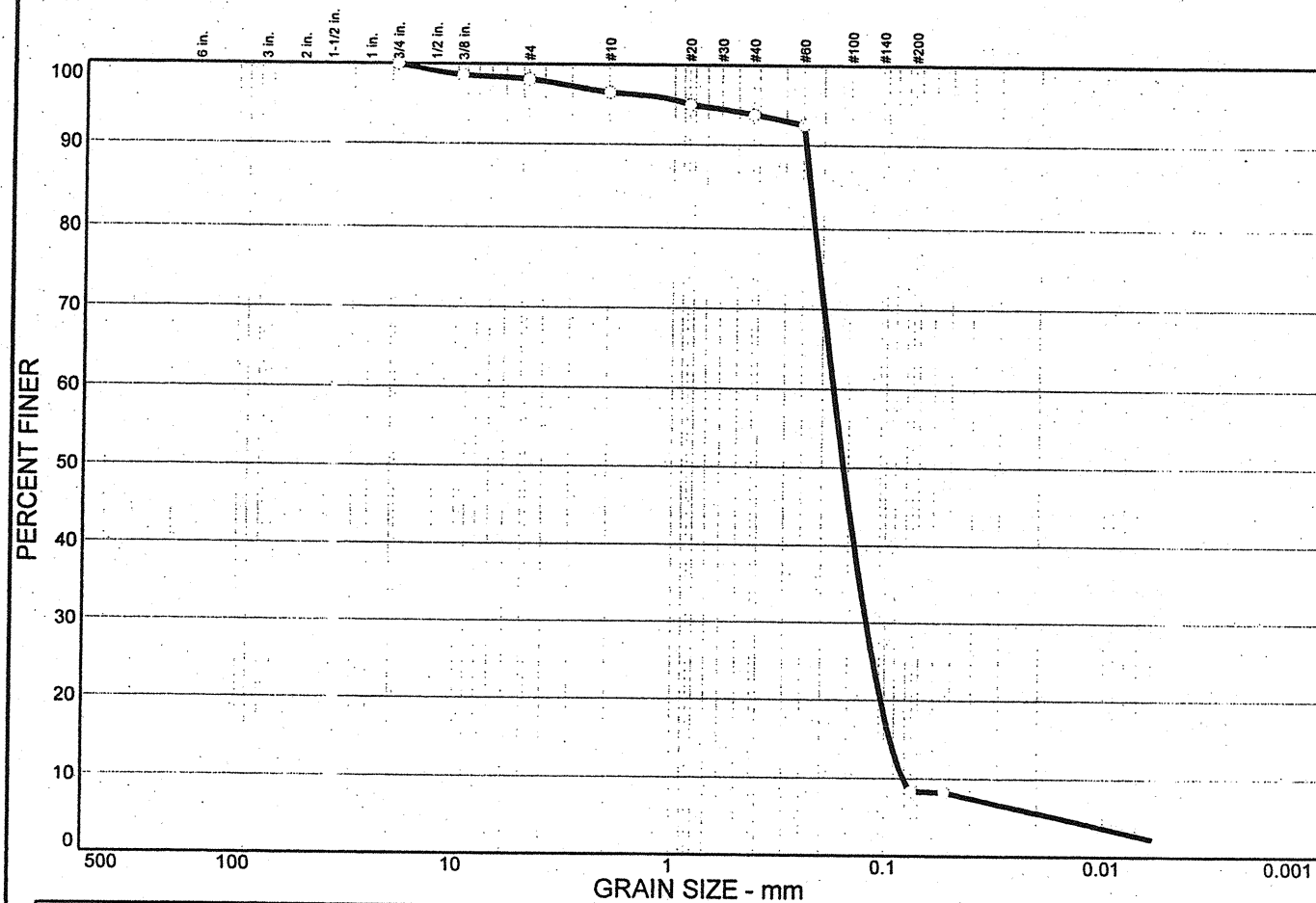


### Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	3.5	88.3	8.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75 in.	100.0		
.375 in.	98.6		
#4	98.1		
#10	96.5		
#20	95.0		
#40	93.8		
#60	92.5		
#200	8.3		
#270	8.2		

**Soil Description**

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

**Coefficients**

D<sub>85</sub>= 0.231      D<sub>60</sub>= 0.177      D<sub>50</sub>= 0.158  
 D<sub>30</sub>= 0.122      D<sub>15</sub>= 0.0939      D<sub>10</sub>= 0.0814  
 C<sub>u</sub>= 2.18      C<sub>c</sub>= 1.04

**Classification**

USCS= ND      AASHTO= A-3

**Remarks**

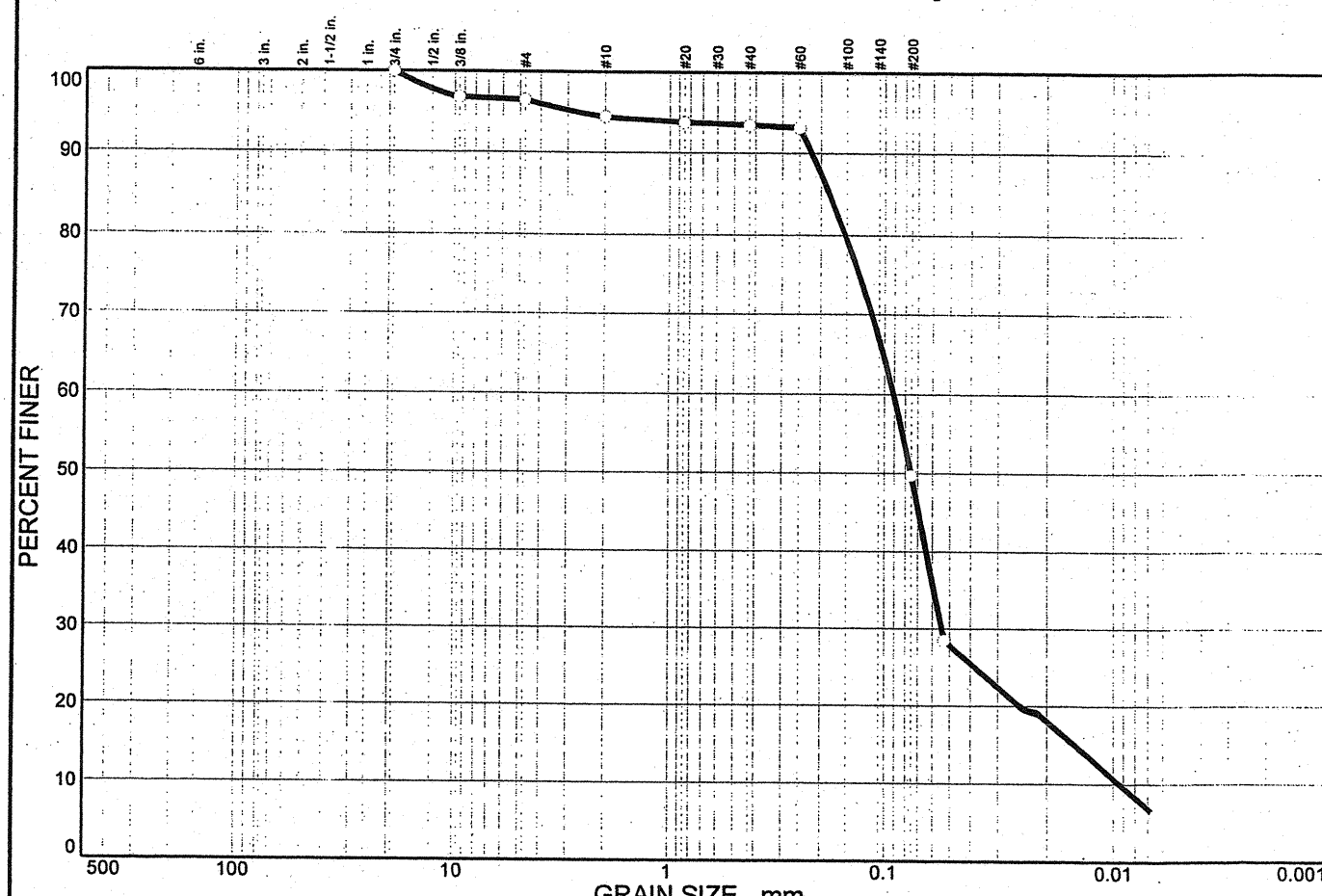
NP=NON-PLASTIC; ND=NOT DETERMINED  
 SPECIFIC GRAVITY IS ASSUMED

\* (no specification provided)

Sample No.: SS-21      Source of Sample:      Date: 1/12/04  
 Location: BH-1 SS-21      Elev./Depth: 12.4-15.9'

<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	5.6	65.9	28.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75 in.	100.0		
.375 in.	96.8		
#4	96.5		
#10	94.4		
#20	93.7		
#40	93.4		
#60	93.1		
#200	49.7		
#270	28.5		

**Soil Description**

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

**Coefficients**

D<sub>85</sub>= 0.182      D<sub>60</sub>= 0.0910      D<sub>50</sub>= 0.0754  
 D<sub>30</sub>= 0.0544      D<sub>15</sub>= 0.0150      D<sub>10</sub>= 0.0094  
 C<sub>u</sub>= 9.66      C<sub>c</sub>= 3.46

**Classification**

USCS= ND      AASHTO= A-4(0)

**Remarks**

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

\* (no specification provided)

Sample No.: SS-22      Source of Sample:      Date: 1/12/04  
 Location: BH-1 SS-22      Elev./Depth: 22.4-23.9'

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