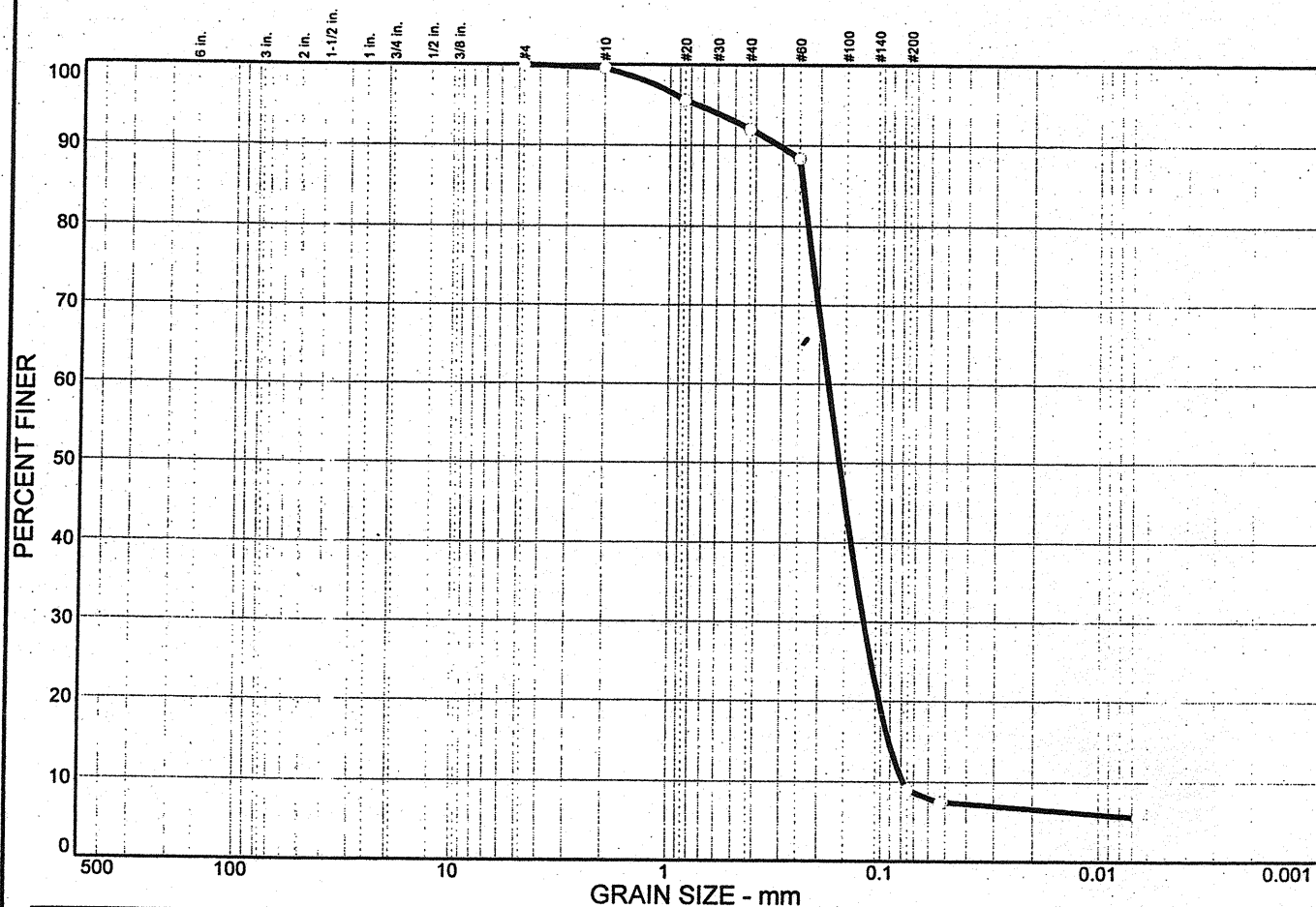


Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.4	92.2	7.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	99.6		
#20	95.6		
#40	92.0		
#60	88.4		
#200	9.0		
#270	7.4		

Soil Description

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

Coefficients

D₈₅= 0.241 D₆₀= 0.181 D₅₀= 0.160
 D₃₀= 0.121 D₁₅= 0.0915 D₁₀= 0.0785
 C_u= 2.30 C_c= 1.04

Classification

USCS= ND AASHTO= A-3

Remarks

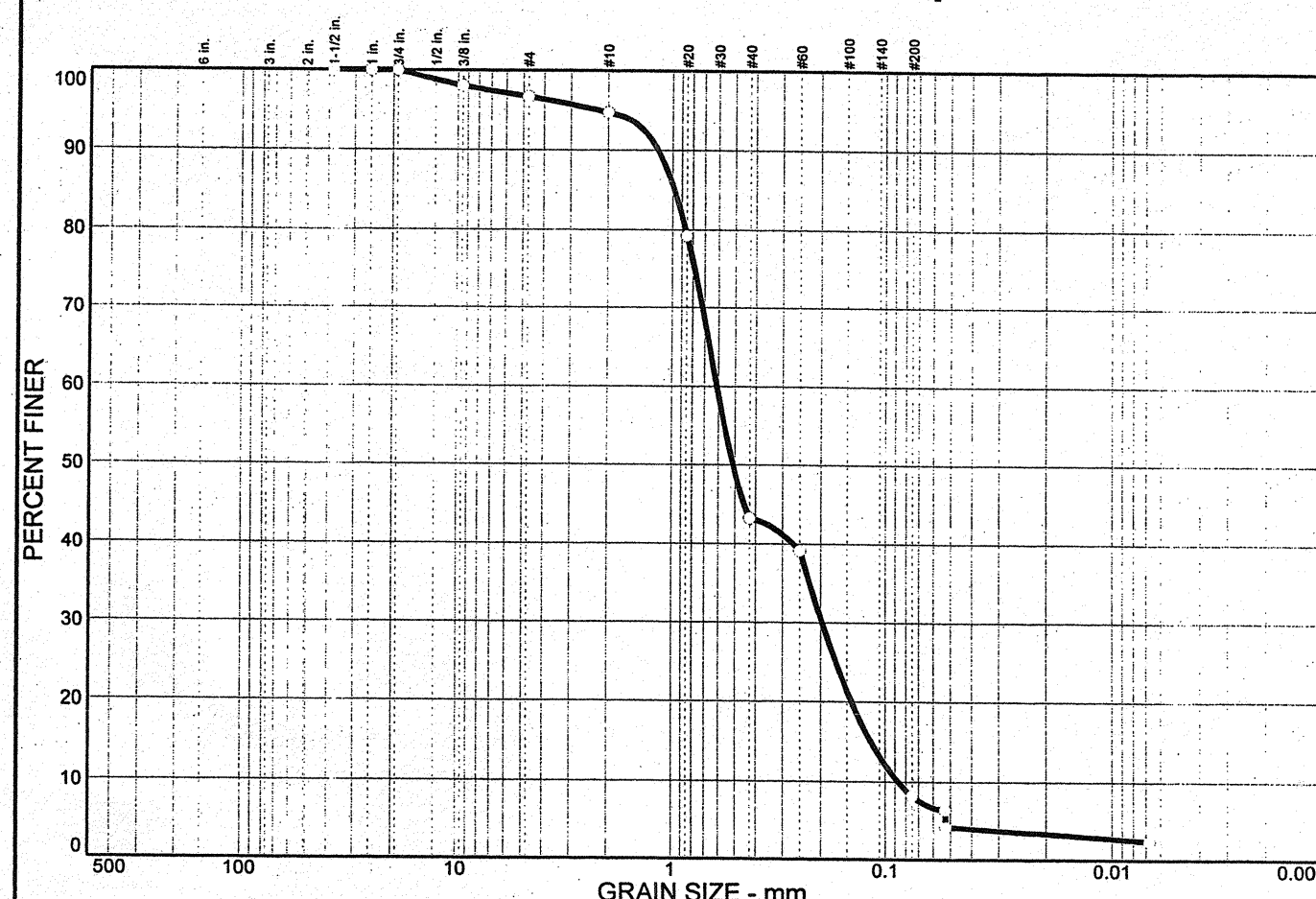
NP=NON-PLASTIC, ND=NOT DETERMINED
 SPECIFIC GRAVITY IS ASSUMED

* (no specification provided)

Sample No.: SS-15 Source of Sample: Date: 1/12/04
 Location: EB1-1 SS-15 Elev./Depth: 12.3-13.8'

MACTEC 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	5.3	88.3	6.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5 in.	100.0		
1 in.	100.0		
.75 in.	100.0		
.375 in.	98.1		
#4	96.7		
#10	94.7		
#20	79.2		
#40	43.2		
#60	39.1		
#200	8.2		
#270	6.4		

Soil Description

PL= NP **Atterberg Limits** PI= NP
 LL= 19

Coefficients

D₈₅= 0.978 D₆₀= 0.611 D₅₀= 0.511
 D₃₀= 0.197 D₁₅= 0.116 D₁₀= 0.0874
 C_u= 7.00 C_c= 0.73

Classification

USCS= ND AASHTO= A-1-b

Remarks

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

* (no specification provided)

Sample No.: SS-16 Source of Sample: Date: 1/12/04
 Location: EB-1 SS-16 Elev./Depth: 17.3-18.8

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