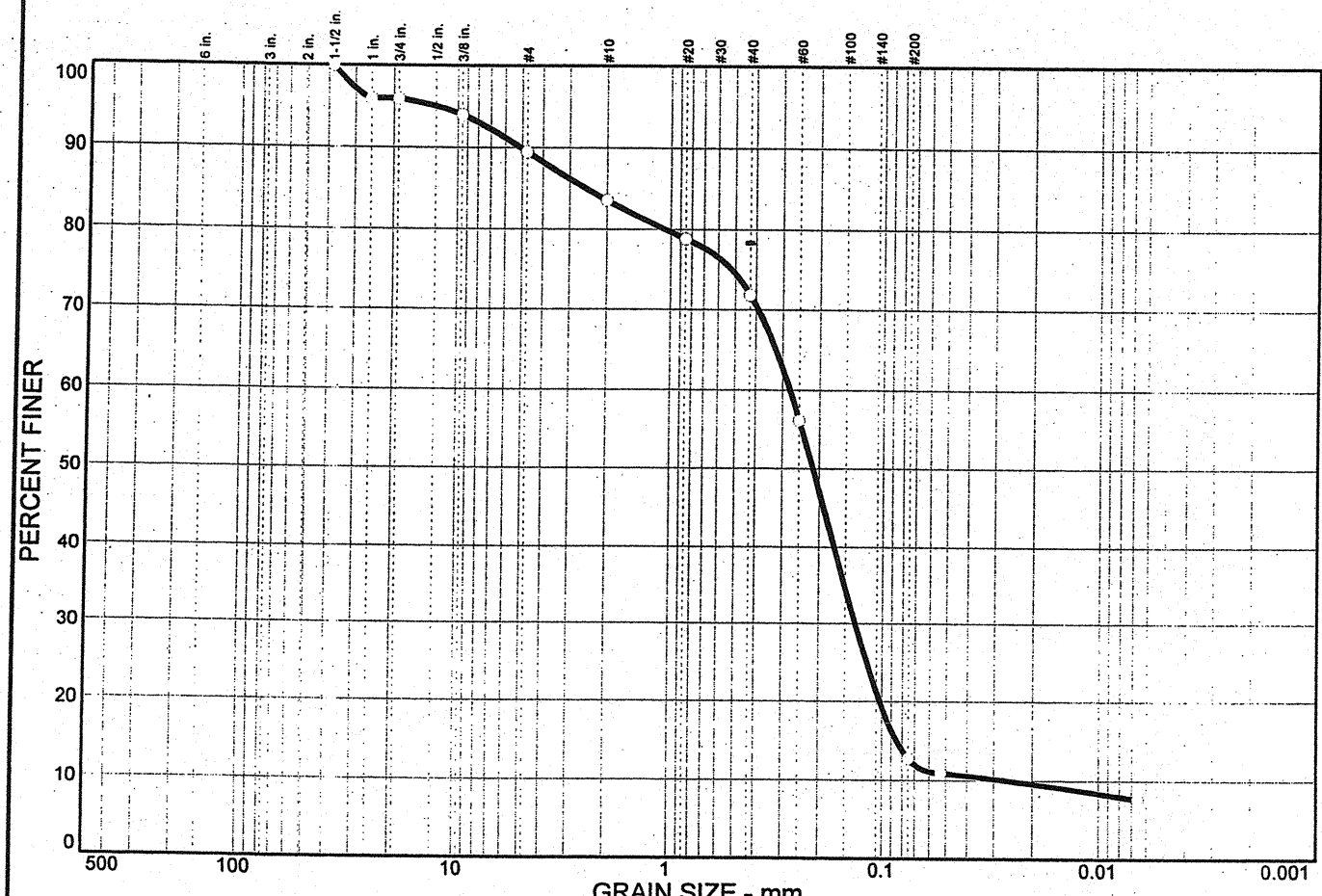


Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	16.4	72.7	10.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5 in.	100.0		
1 in.	95.9		
.75 in.	95.9		
.375 in.	93.9		
#4	89.5		
#10	83.6		
#20	78.8		
#40	71.8		
#60	56.2		
#200	12.7		
#270	10.9		

Soil Description

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

Coefficients

D₈₅= 2.49 D₆₀= 0.277 D₅₀= 0.214
 D₃₀= 0.135 D₁₅= 0.0853 D₁₀= 0.0268
 C_u= 10.35 C_c= 2.44

Classification

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

Remarks

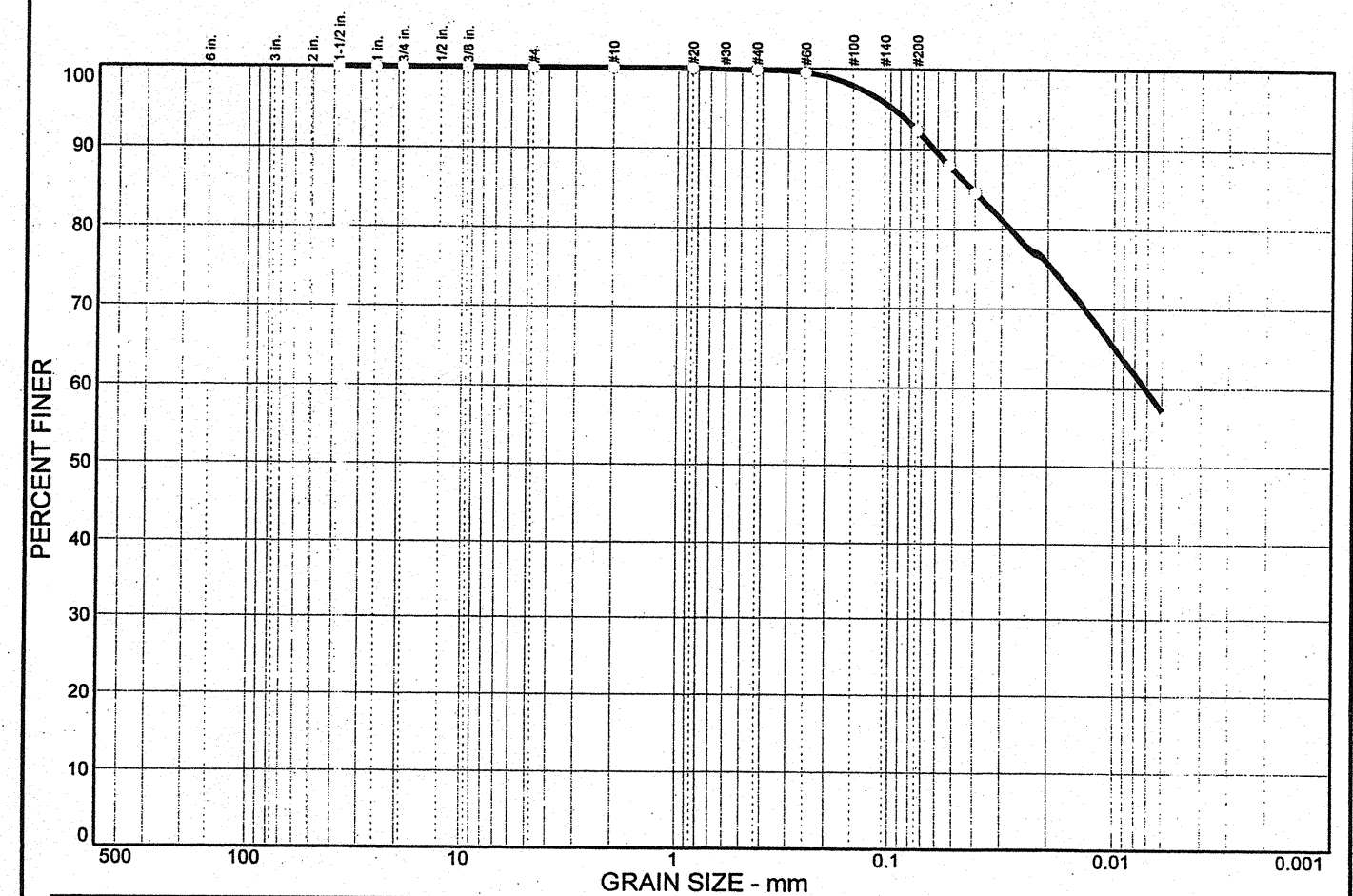
ND=NOT DETERMINED NP=NON PLASTIC
 SPECIFIC GRAVITY IS ASSUMED

* (no specification provided)

Sample No.: SS-17 Source of Sample: Date: 1/12/04
 Location: EB-1 SS-17 Elev./Depth: 27.3-28.8

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	0.0	11.9	88.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5 in.	100.0		
1 in.	100.0		
.75 in.	100.0		
.375 in.	100.0		
#4	100.0		
#10	100.0		
#20	100.0		
#40	99.8		
#60	99.5		
#200	92.4		
#270	88.1		

Soil Description

PL= 27 **Atterberg Limits** LL= 69 PI= 42

Coefficients

D₈₅= 0.0408 D₆₀= 0.0072 D₅₀=
 D₃₀= D₁₅= D₁₀=
 C_u= C_c=

Classification

USCS= ND AASHTO= A-7-6(44)

Remarks

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

* (no specification provided)

Sample No.: SS-18 Source of Sample: Date: 1/12/04
 Location: EB-1 SS-18 Elev./Depth: 37.3-38.8

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