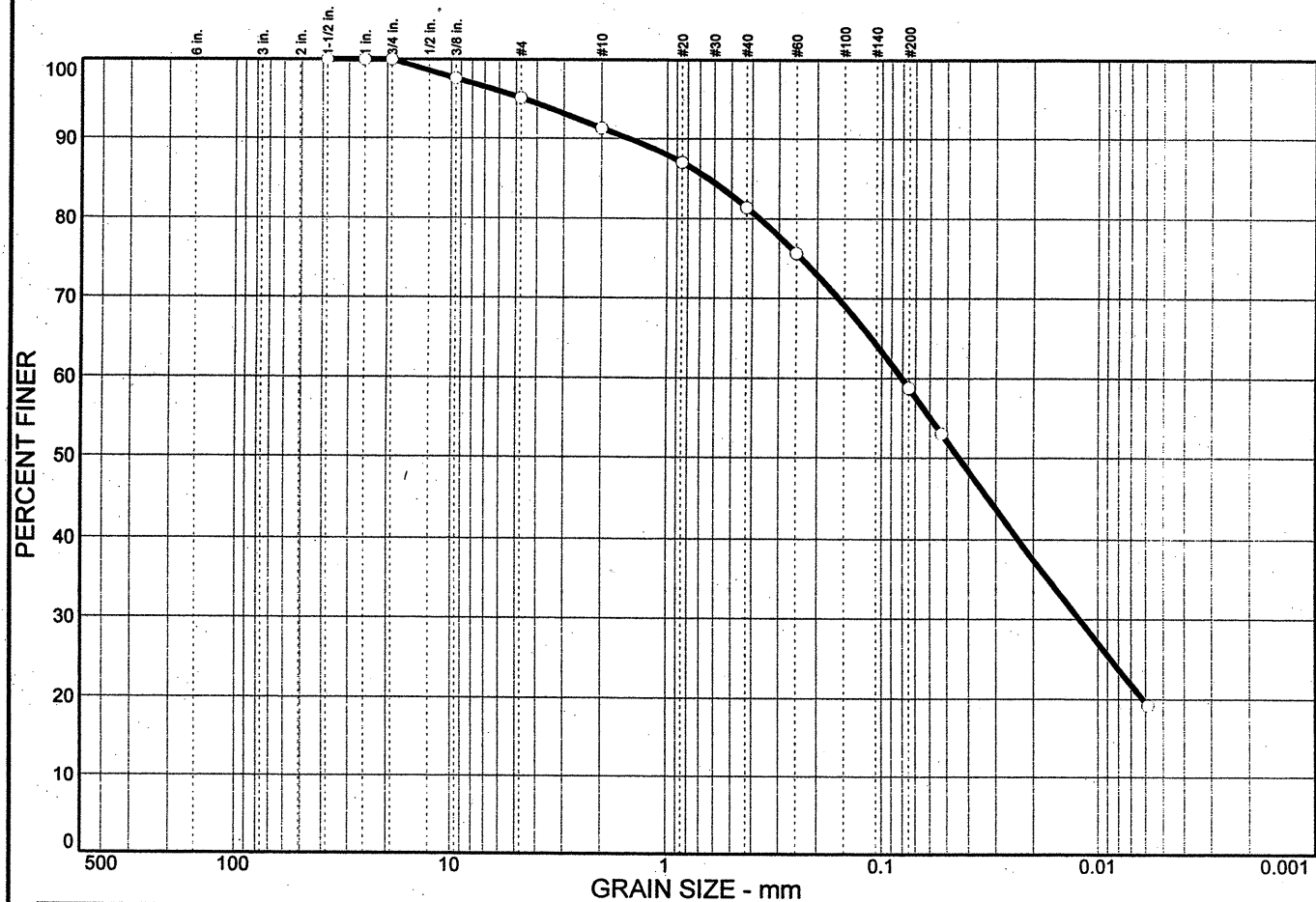


Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	8.7	38.3	53.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5 in.	100.0		
1 in.	100.0		
.75 in.	100.0		
.375 in.	97.6		
#4	95.1		
#10	91.3		
#20	87.0		
#40	81.4		
#60	75.6		
#200	58.8		
#270	53.0		

Soil Description

PL= 19 LL= 32 PI= 13

Atterberg Limits

Coefficients

D₈₅= 0.640 D₆₀= 0.0808 D₅₀= 0.0442
 D₃₀= 0.0122 C_c= D₁₀=
 C_u=

Classification

USCS= ND AASHTO= A-6(5)

Remarks

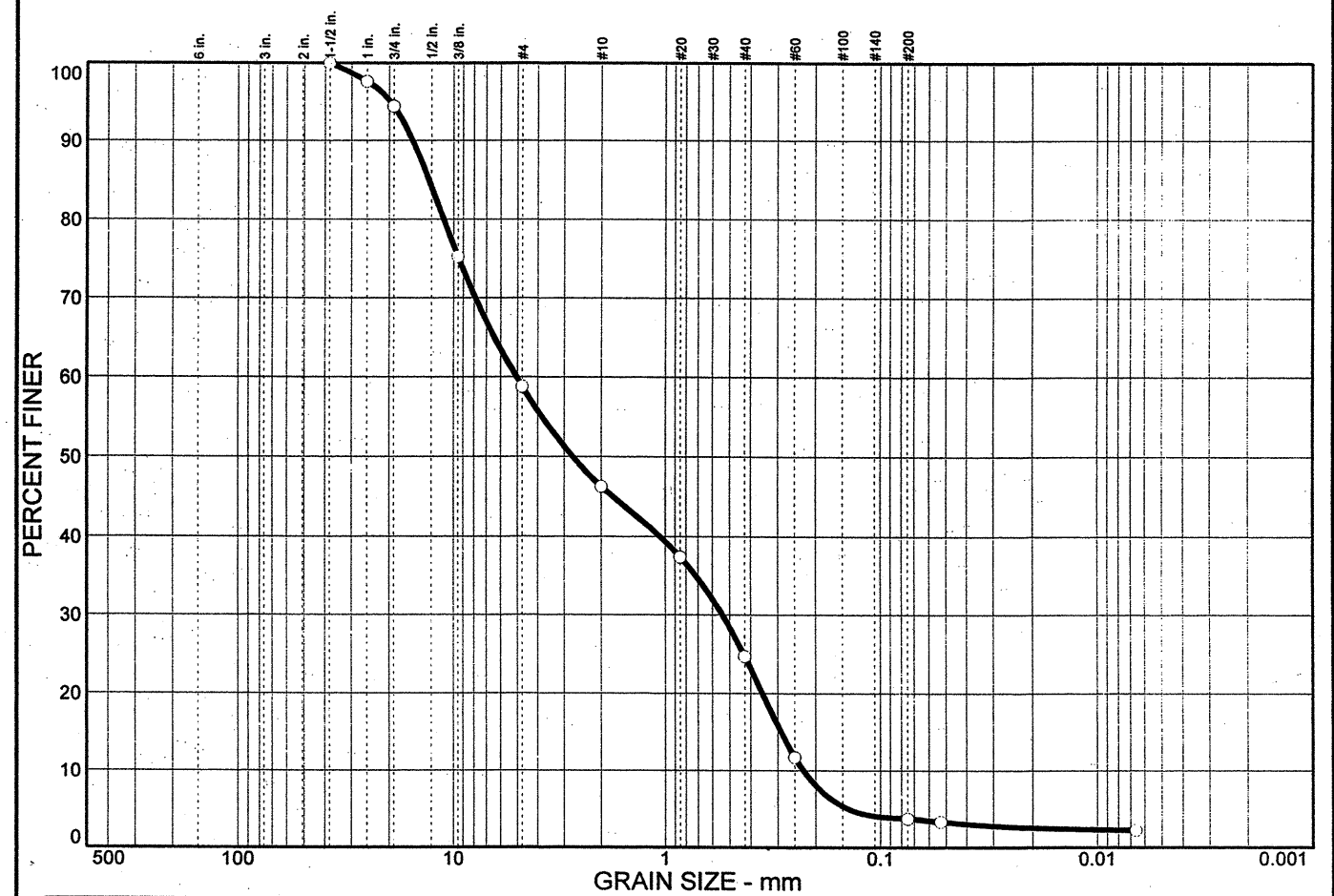
ND=NOT DETERMINED
 SPECIFIC GRAVITY IS ASSUMED
 F.M.=0.07

* (no specification provided)

Sample No.: SS-5 Source of Sample: Date: 4-18-03
 Location: EB2-A EB2-B Elev./Depth: 1.43-1.88

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	Project: BRIDGE ON SBL US 421 OVER BEAR CREEK
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Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	53.7	43.0	3.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5 in.	100.0		
1 in.	97.6		
.75 in.	94.4		
.375 in.	75.2		
#4	58.8		
#10	46.3		
#20	37.4		
#40	24.7		
#60	11.7		
#200	3.7		
#270	3.3		

Soil Description

PL= NP LL= 24 PI= NP

Atterberg Limits

Coefficients

D₈₅= 13.1 D₆₀= 5.06 D₅₀= 2.73
 D₃₀= 0.541 D₁₅= 0.290 D₁₀= 0.228
 C_u= 22.19 C_c= 0.25

Classification

USCS= ND AASHTO= A-1-a

Remarks

ND=NOT DETERMINED, NP=NON-PLASTIC
 SPECIFIC GRAVITY IS ASSUMED
 F.M.=0.72

* (no specification provided)

Sample No.: S-1 Source of Sample: Date: 4-18-03
 Location: CHANNEL Elev./Depth: ND

MACTEC ENGINEERING & CONSULTING, INC.	Client: NC DOT
	Project: BRIDGE ON SBL US 421 OVER BEAR CREEK
Project No: 6468-03-0124-05	Plate