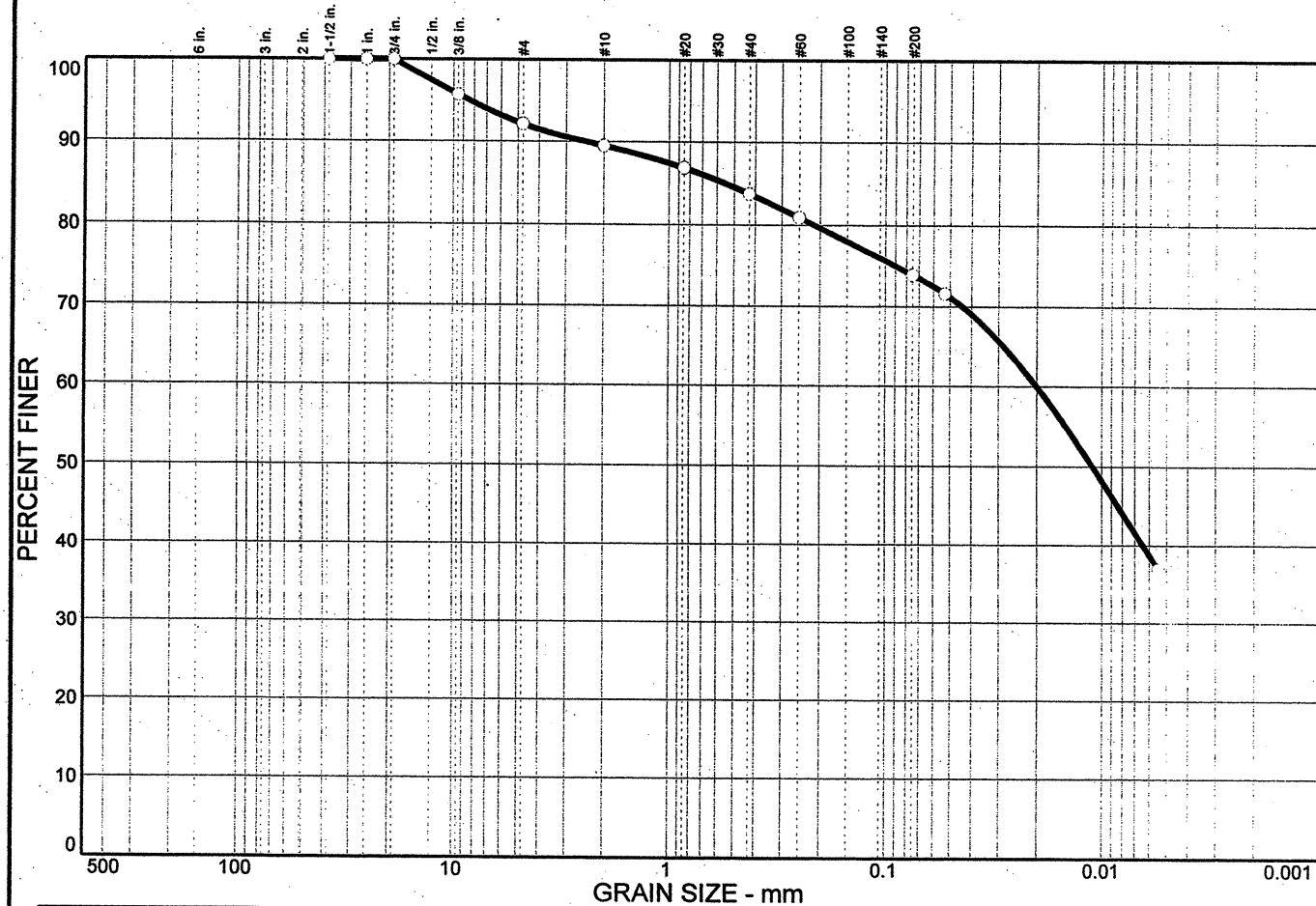


Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	10.5	17.9	71.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5 in.	100.0		
1 in.	100.0		
.75 in.	100.0		
.375 in.	95.7		
#4	92.1		
#10	89.5		
#20	86.9		
#40	83.8		
#60	80.9		
#200	73.9		
#270	71.6		

Soil Description
RED FINE TO COARSE SANDY CLAY

Atterberg Limits
PL= 21 LL= 36 PI= 15

Coefficients
D₈₅= 0.543 D₆₀= 0.0200 D₅₀= 0.0110
D₃₀= D₁₅= D₁₀=
C_u= C_c=

Classification
USCS= ND AASHTO= A-6(10)

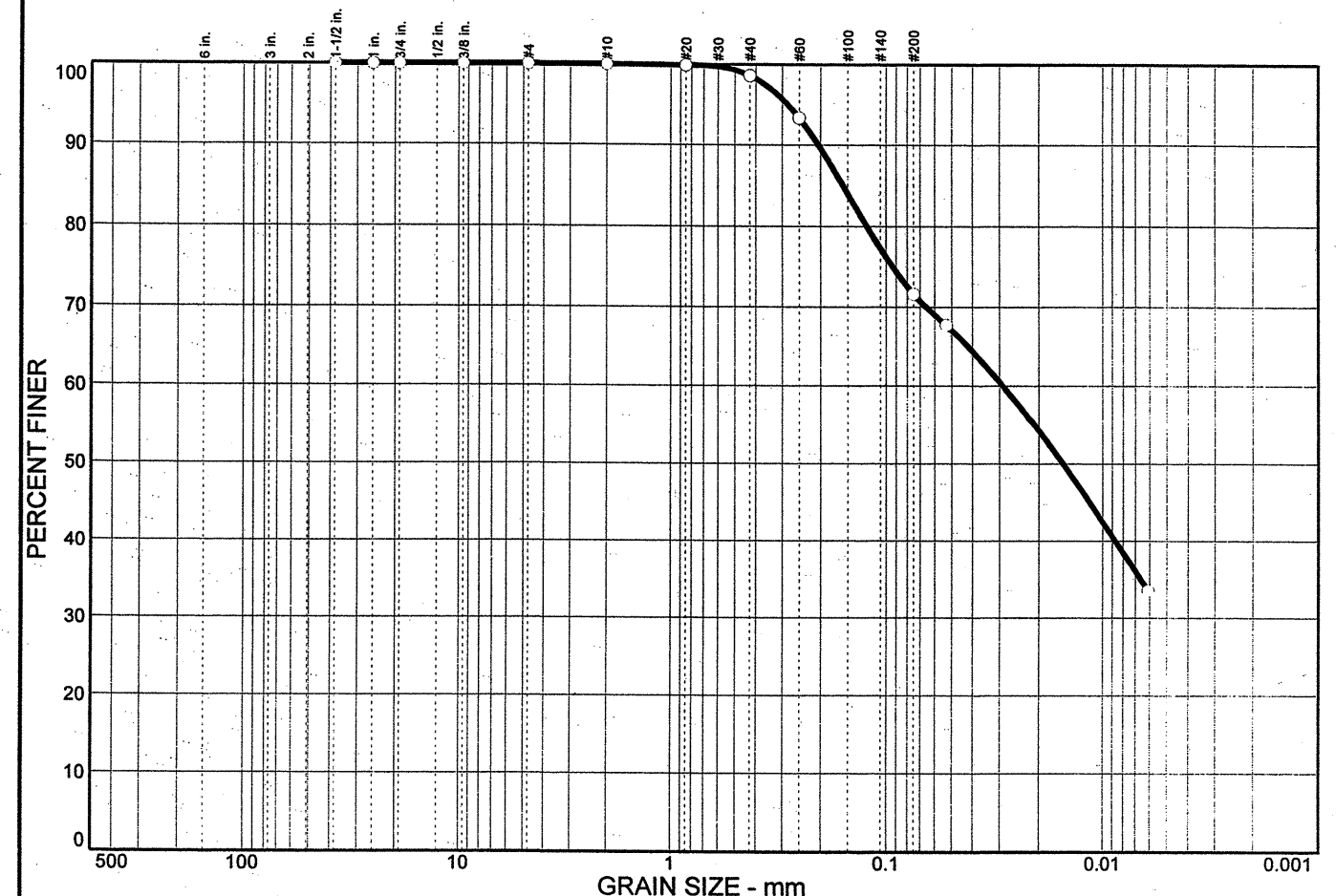
Remarks
ND=NOT DETERMINED
SPECIFIC GRAVITY IS ASSUMED
F.M.=0.12

* (no specification provided)

Sample No.: SS-1 Source of Sample: Date: 4-9-03
Location: EB1-B Elev./Depth: 0.00-0.45M

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	Project: BRIDGE ON SBL US 421 OVER BEAR CREEK
Project No: 6468-03-0124-05	Plate

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	32.3	67.7	

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	99.9		
#40	98.6		
#60	93.3		
#200	71.6		
#270	67.7		

Soil Description
TAN SANDY, CLAYEY SILT

Atterberg Limits
PL= 21 LL= 31 PI= 10

Coefficients
D₈₅= 0.157 D₆₀= 0.0289 D₅₀= 0.0154
D₃₀= D₁₅= D₁₀=
C_u= C_c=

Classification
USCS= ND AASHTO= A-4(6)

Remarks
ND=NOT DETERMINED
SPECIFIC GRAVITY IS ASSUMED

* (no specification provided)

Sample No.: SS-2 Source of Sample: Date: 4-9-03
Location: B1-A Elev./Depth: 1.10-1.55M

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