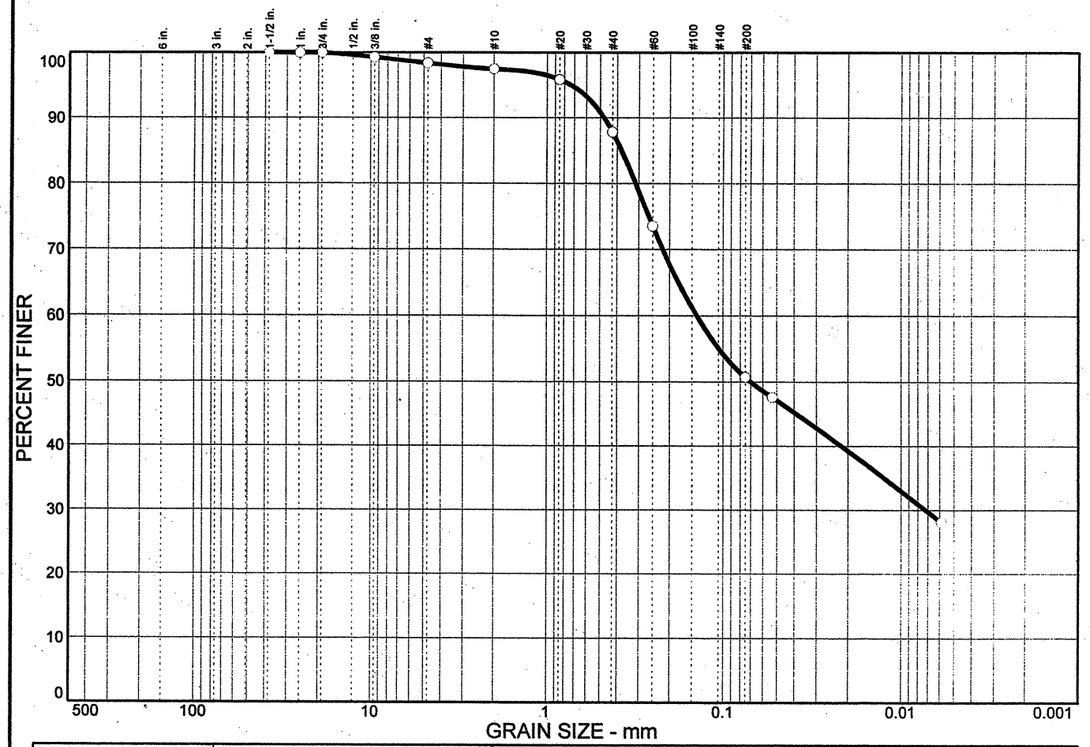
Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	2.5	49.9	47.6	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5 in.	100.0		
1 in.	100.0		
.75 in.	100.0		
.375 in.	99.3		
#4	98.4		
#10	97.5		
#20	95.9		
#40	87.8		
#60	73.5		
#200	50.7		
#270	47.6		

Soil Description

Atterberg Limits

PL= 18 LL= 24 PI= 6

Coefficients

D_{85}= 0.377 D_{60}= 0.140 D_{50}= 0.0699
D_{30}= 0.0072 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ND AASHTO= A-4(0)

Remarks

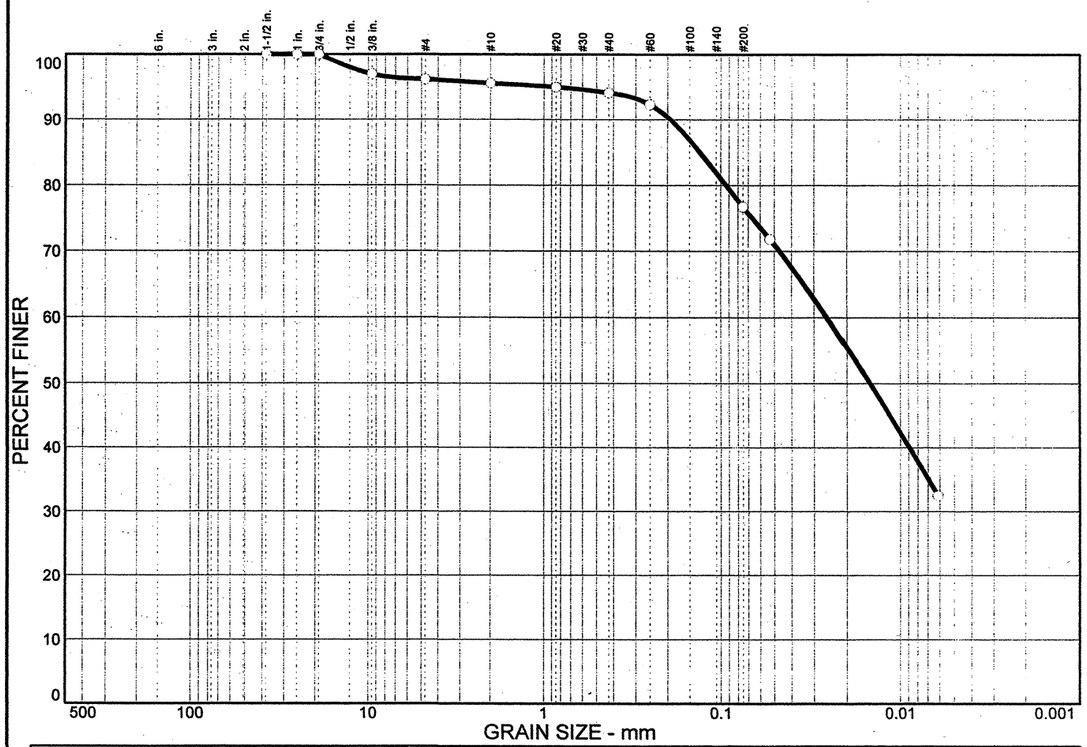
ND=NOT DETERMINED
SPECIFIC GRAVITY IS ASSUMED
F.M.=0.02

* (no specification provided)

Sample No.: SS-3 **Source of Sample:** **Date:** 4-18-03
Location: B1-B **Elev./Depth:** 1.32-1.77m

MACTEC ENGINEERING & CONSULTING, INC.	**Client:** NC DOT **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	4.4	23.8	71.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5 in.	100.0		
1 in.	100.0		
.75 in.	100.0		
.375 in.	97.0		
#4	96.2		
#10	95.6		
#20	95.0		
#40	94.1		
#60	92.3		
#200	76.7		
#270	71.8		

Soil Description

Atterberg Limits

PL= 18 LL= 27 PI= 9

Coefficients

D_{85}= 0.131 D_{60}= 0.0255 D_{50}= 0.0149
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ND AASHTO= A-4(5)

Remarks

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

* (no specification provided)

Sample No.: SS-4 **Source of Sample:** **Date:** 4-18-03
Location: B2-A **Elev./Depth:** 1.01-1.46

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