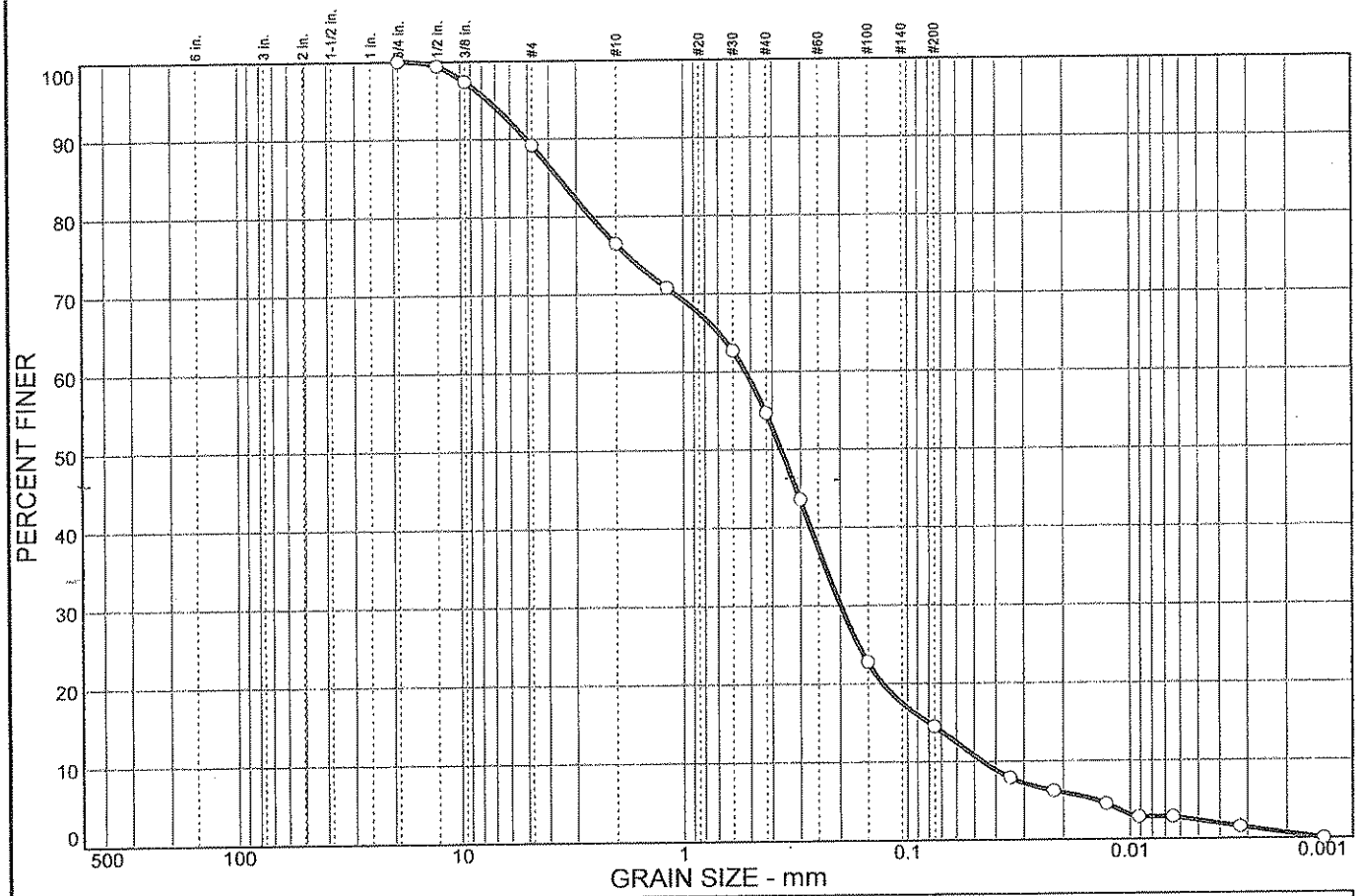
Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	11	13	22	40	12	2

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100		
1/2 in.	99		
3/8 in.	97		
#4	89		
#10	77		
#16	71		
#30	63		
#40	55		
#50	44		
#100	23		
#200	15		

* (no specification provided)

Soil Description

Silty sand

Atterberg Limits

PL= LL= PI= NP

Coefficients

D_{85}= 3.59 D_{60}= 0.525 D_{50}= 0.364
D_{30}= 0.198 D_{15}= 0.0796 D_{10}= 0.0456
C_u= 11.50 C_c= 1.64

Classification

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

Remarks

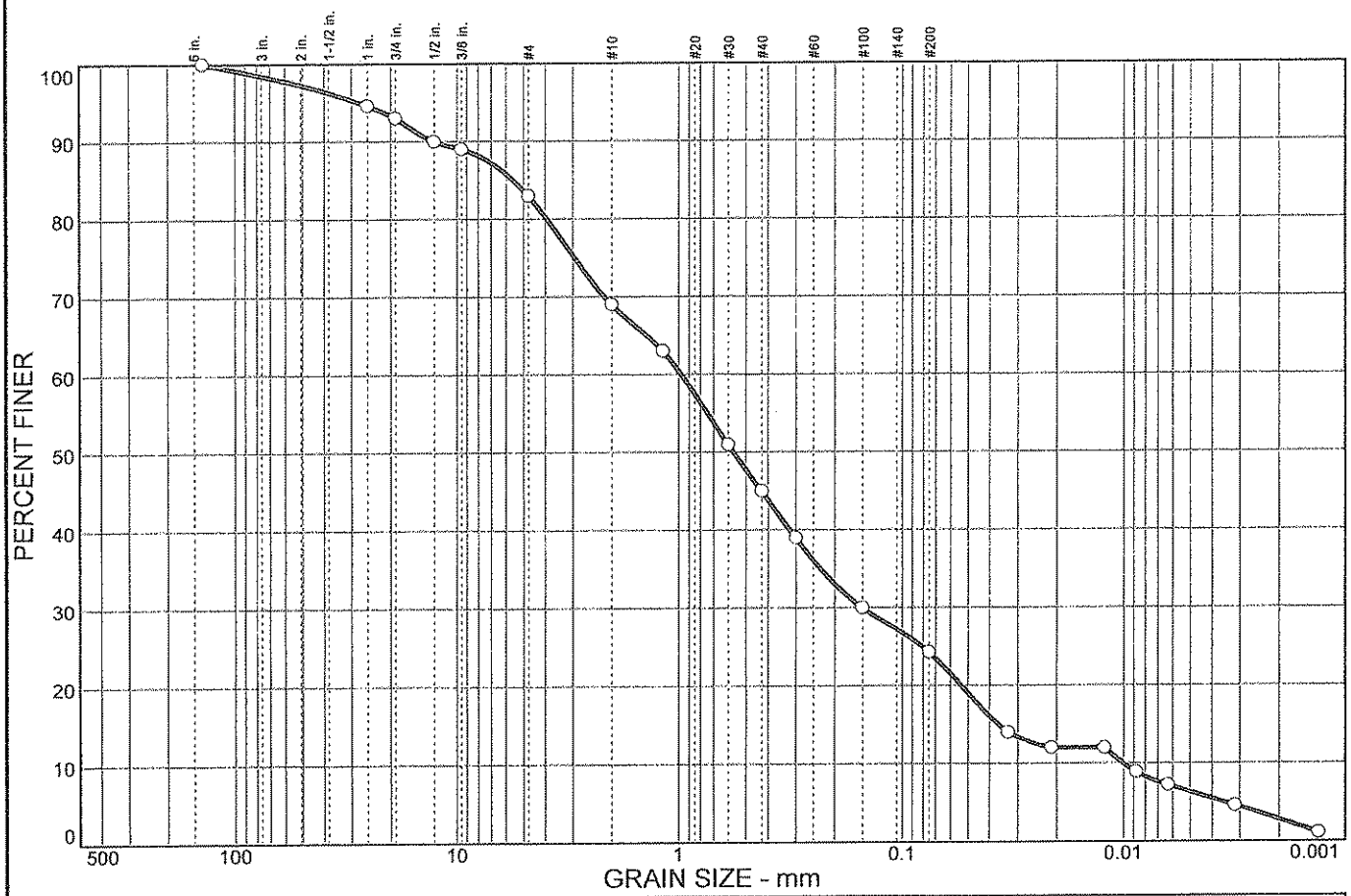
F.M.=2.13

Sample No.: **Source of Sample:** PAGW 14-25 **Date:** 7/6/07
Location: **Elev./Depth:**

CONVERSE CONSULTANTS

Client: Brown and Caldwell
Project:
Project No: 07-25480-01 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
2	5	10	14	24	21	18	6

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
11/2 in.	100		
1 in.	95		
3/4 in.	93		
1/2 in.	90		
3/8 in.	89		
#4	83		
#10	69		
#16	63		
#30	51		
#40	45		
#50	39		
#100	30		
#200	24		

* (no specification provided)

Soil Description

Clayey sand with gravel

Atterberg Limits

PL= 15 LL= 27 PI= 12

Coefficients

D_{85}= 5.55 D_{60}= 0.973 D_{50}= 0.568
D_{30}= 0.150 D_{15}= 0.0364 D_{10}= 0.0100
C_u= 97.39 C_c= 2.32

Classification

USCS= SC AASHTO= A-2-6(0)

Remarks

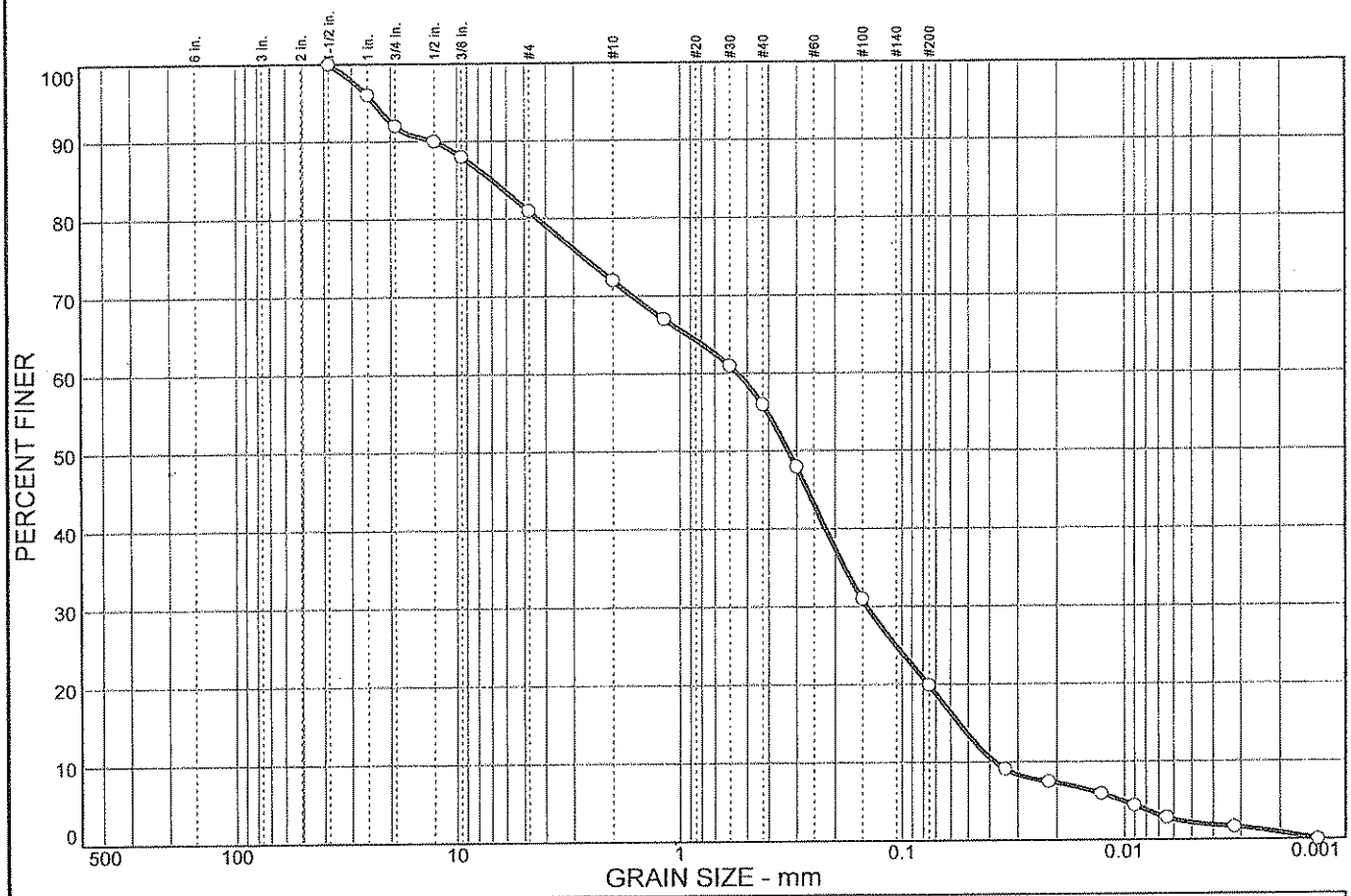
F.M.=2.52

Sample No.: **Source of Sample:** PAGW 14-53 **Date:** 7/6/07
Location: **Elev./Depth:**

CONVERSE CONSULTANTS

Client: Brown and Caldwell
Project:
Project No: 07-25480-01 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	8	11	9	16	36	18	2

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1-1/2 in.	100		
1 in.	96		
3/4 in.	92		
1/2 in.	90		
3/8 in.	88		
#4	81		
#10	72		
#16	67		
#30	61		
#40	56		
#50	48		
#100	31		
#200	20		

* (no specification provided)

Soil Description

Silty sand with gravel

Atterberg Limits

PL= LL= PI= Non-Plastic

Coefficients

D_{85}= 6.94 D_{60}= 0.551 D_{50}= 0.325
D_{30}= 0.143 D_{15}= 0.0549 D_{10}= 0.0376
C_u= 14.66 C_c= 0.98

Classification

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

Remarks

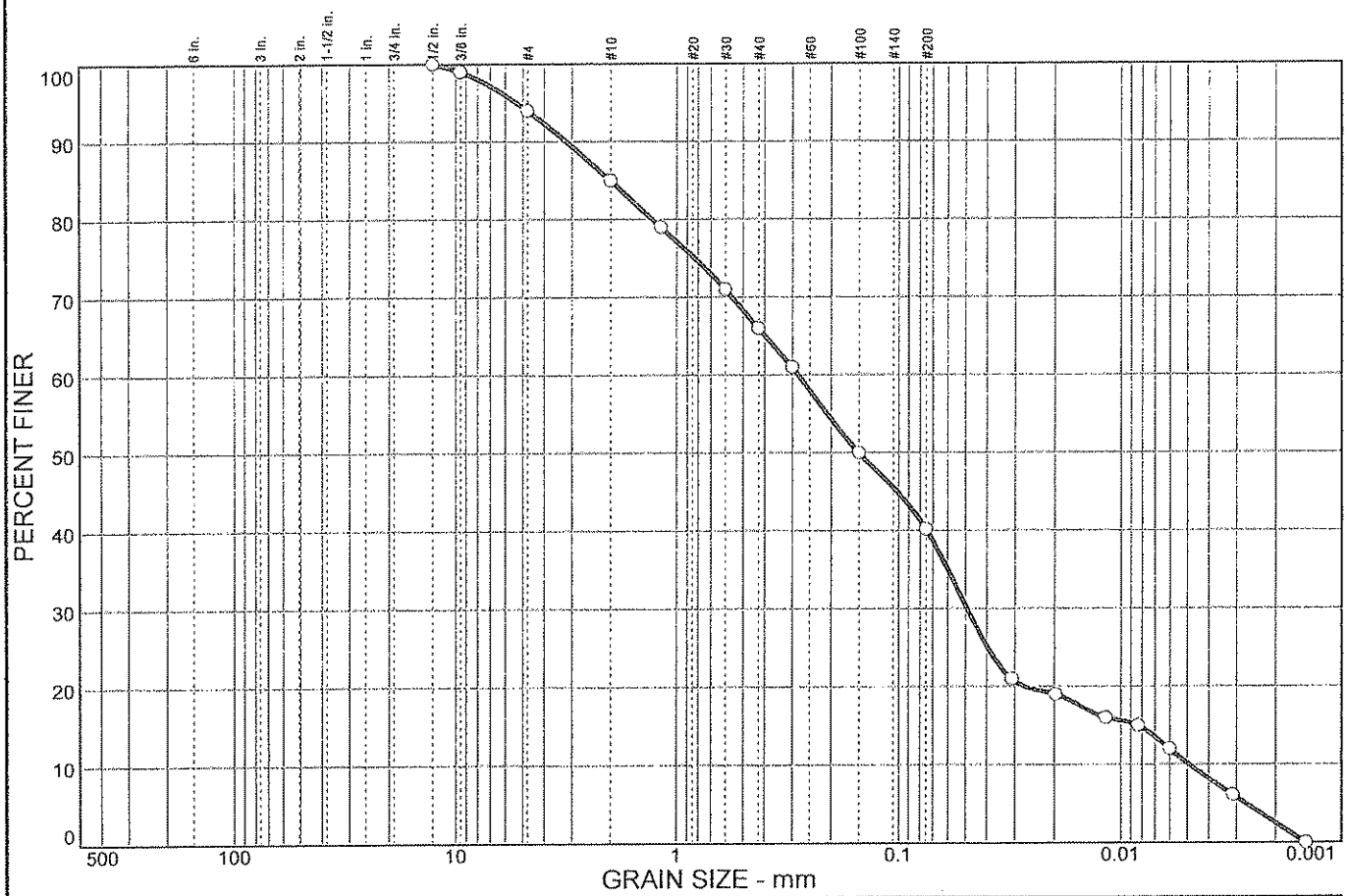
F.M.=2.32

Sample No.: **Source of Sample:** PAGW 17-15 **Date:** 7/6/07
Location: **Elev./Depth:**

CONVERSE CONSULTANTS

Client: Brown and Caldwell
Project:
Project No: 07-25480-01 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	6	9	19	26	30	10

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1/2 in.	100		
3/8 in.	99		
#4	94		
#10	85		
#16	79		
#30	71		
#40	66		
#50	61		
#100	50		
#200	40		

* (no specification provided)

Soil Description

Silty, clayey sand

Atterberg Limits

PL= 14 LL= 21 PI= 7

Coefficients

D_{85}= 2.00 D_{60}= 0.281 D_{50}= 0.150
D_{30}= 0.0489 D_{15}= 0.0083 D_{10}= 0.0049
C_u= 57.43 C_c= 1.74

Classification

USCS= SC-SM AASHTO= A-4(0)

Remarks

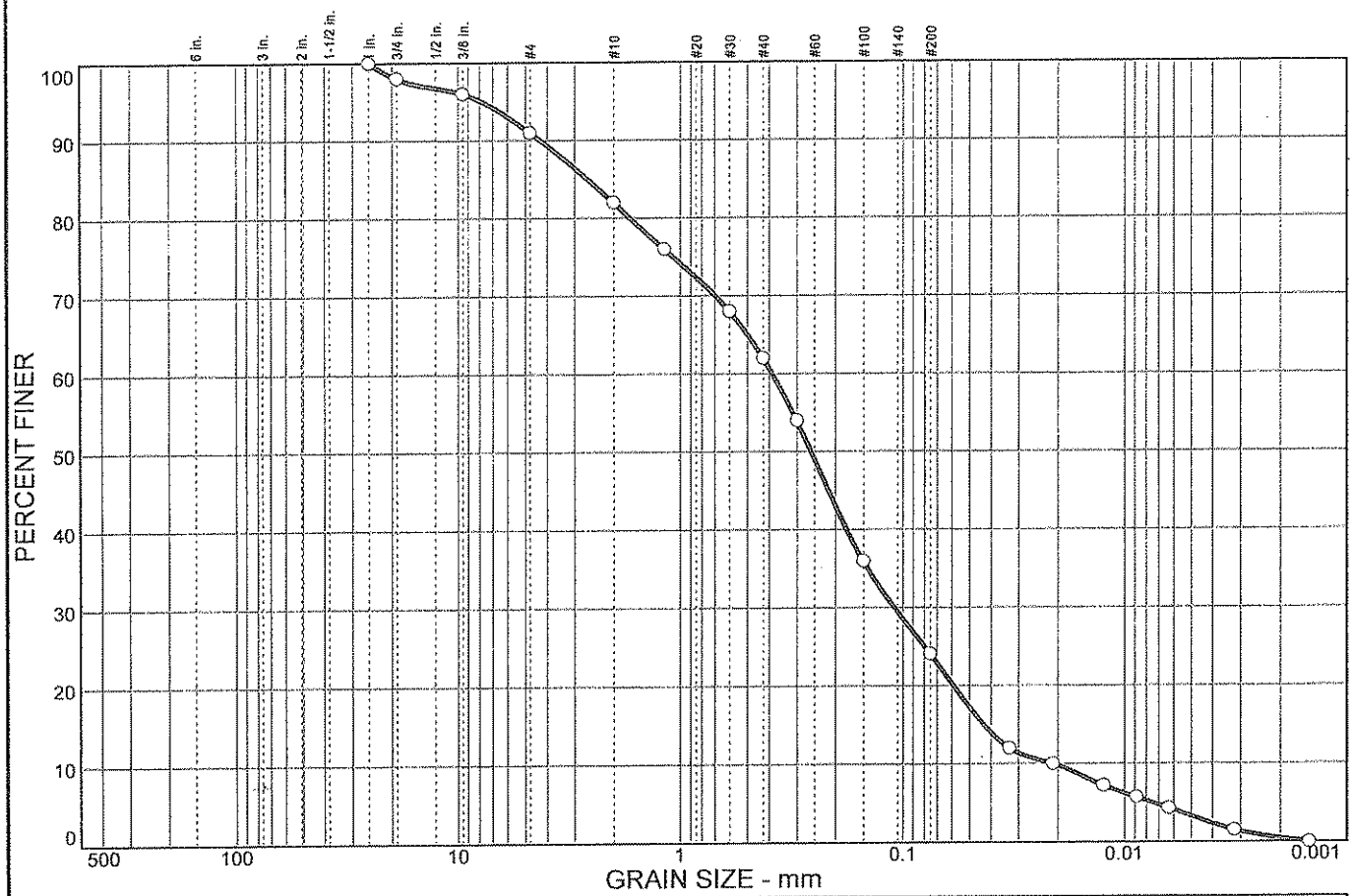
F.M.=1.46

Sample No.: **Source of Sample:** PAGW 17-54 **Date:** 7/6/07
Location: **Elev./Depth:**

CONVERSE CONSULTANTS

Client: Brown and Caldwell
Project:
Project No: 07-25480-01 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	2	7	9	20	38	21	3

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1 in.	100		
3/4 in.	98		
3/8 in.	96		
#4	91		
#10	82		
#16	76		
#30	68		
#40	62		
#50	54		
#100	36		
#200	24		

* (no specification provided)

Soil Description

Silty sand

Atterberg Limits

PL= LL= PI= Non-Plastic

Coefficients

D_{85}= 2.62 D_{60}= 0.386 D_{50}= 0.258
D_{30}= 0.109 D_{15}= 0.0429 D_{10}= 0.0210
C_u= 18.42 C_c= 1.46

Classification

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

Remarks

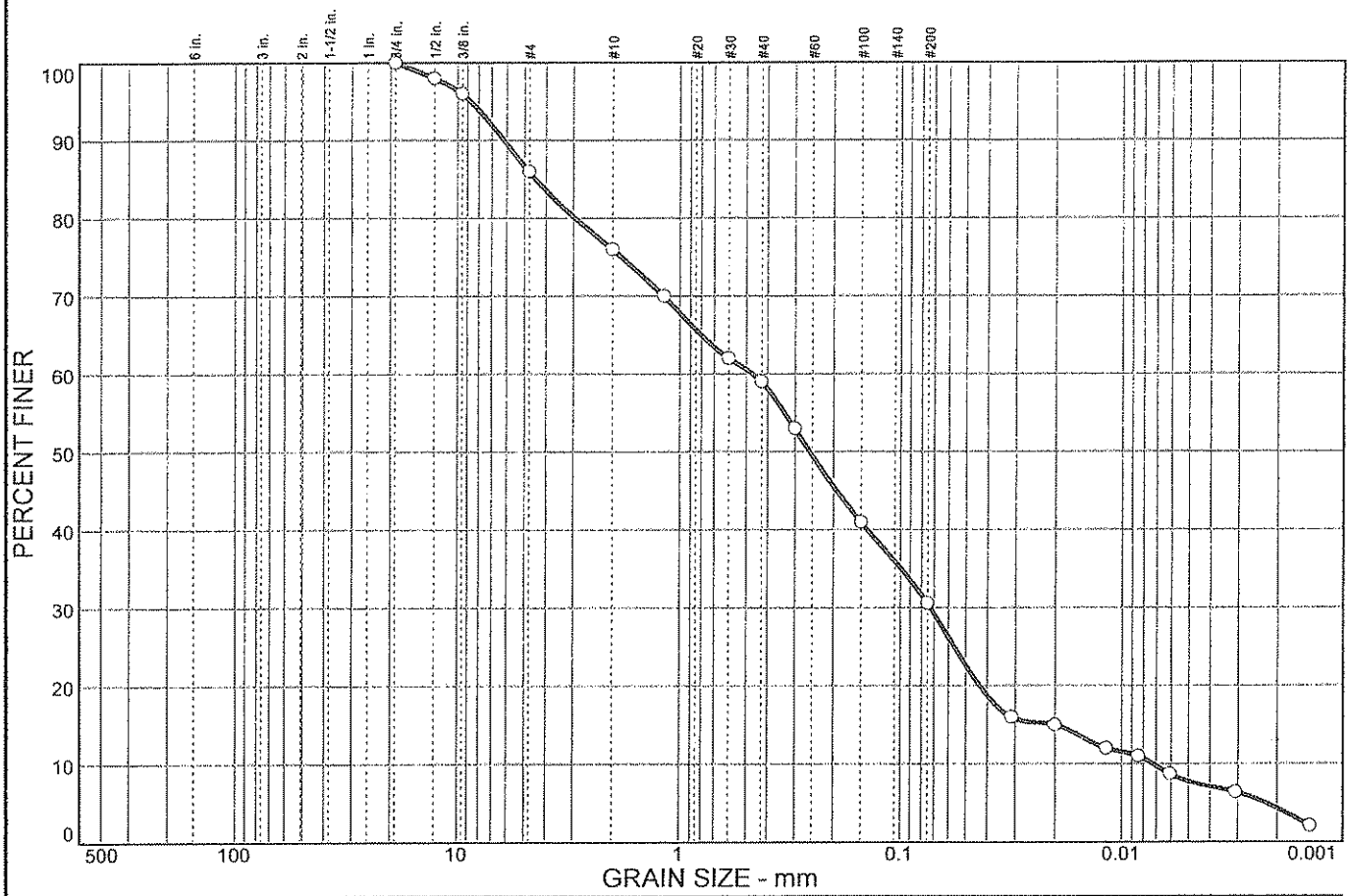
F.M.=1.81

Sample No.: **Source of Sample:** PAGW 21-16 **Date:** 7/6/07
Location: **Elev./Depth:**

CONVERSE CONSULTANTS

Client: Brown and Caldwell
Project:
Project No: 07-25480-01 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0	0	14	10	17	28	23	8

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4 in.	100		
1/2 in.	98		
3/8 in.	96		
#4	86		
#10	76		
#16	70		
#30	62		
#40	59		
#50	53		
#100	41		
#200	31		

* (no specification provided)

Soil Description

Silty, clayey sand

Atterberg Limits

PL= 14 LL= 19 PI= 5

Coefficients

D_{85}= 4.43 D_{60}= 0.466 D_{50}= 0.256
D_{30}= 0.0726 D_{15}= 0.0199 D_{10}= 0.0072
C_u= 64.68 C_c= 1.57

Classification

USCS= SC-SM AASHTO= A-2-4(0)

Remarks

F.M.=1.92

Sample No.: **Source of Sample:** PAGW 21-62 **Date:** 7/6/07
Location: **Elev./Depth:**

CONVERSE CONSULTANTS

Client: Brown and Caldwell
Project:
Project No: 07-25480-01 **Figure**