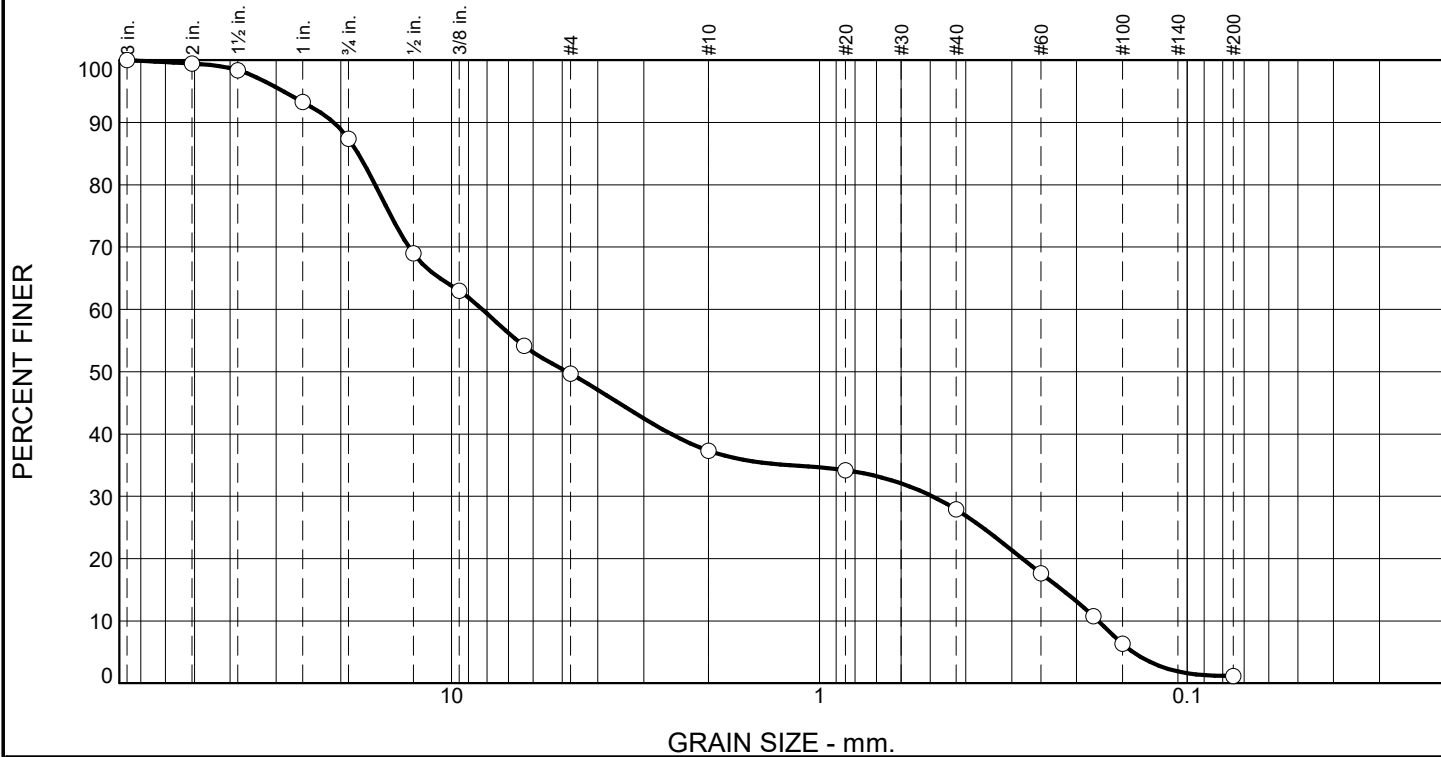


Particle Size Distribution Report



% +3"	% Gravel	% Sand		% Fines Silt
		Coarse	Fine	
0	63	9	27	1

Test Results (ASTM C 136 & ASTM C 117)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
3	100		
2	99		
1.5	98		
1	93		
3/4	87		
1/2	69		
3/8	63		
1/4	54		
#4	50		
#10	37		
#20	34		
#40	28		
#60	18		
#80	11		
#100	6		
#200	1.2		

* (no specification provided)

Material Description		
3" Minus Pitrun		
Atterberg Limits (ASTM D 4318)		
PL= NP	LL= NV	PI= NP
Classification		
USCS (D 2487)= GP	AASHTO (M 145)= A-1-a	
Coefficients		
D ₉₀ = 20.8724	D ₈₅ = 17.9320	D ₆₀ = 8.2481
D ₅₀ = 4.8597	D ₃₀ = 0.4934	D ₁₅ = 0.2189
D ₁₀ = 0.1745	C _u = 47.26	C _c = 0.17
Remarks		
Max Dry Density(ASTM D1557):139.7 pcf @ 7.3% moisture		
Date Received: 7/8/26 Date Tested: 7/10/26		
Tested By: Chris Mack, CET		
Checked By: Stefan Mack, PE		
Title: Engineer		

Source of Sample: FSG AGG
Sample Number: 26-339

Depth: on site

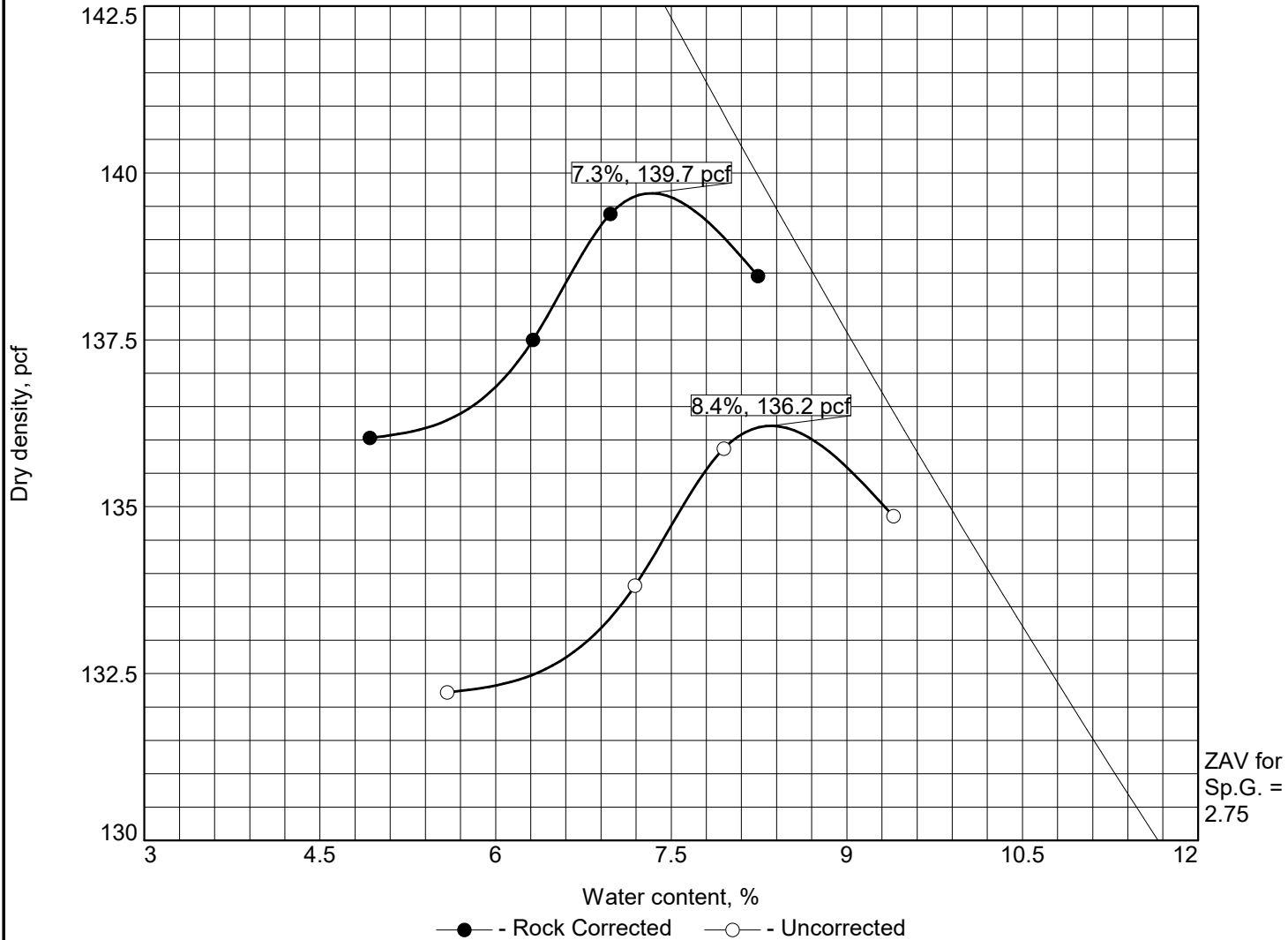
Date Sampled: 7/8/26

MAPPA TESTLAB
1956 Richardson Highway
North Pole, Alaska 99705

Client: Watterson Construction
Project: FNSB Animal Shelter
Fairbanks, Alaska
Project No:

Figure

COMPACTION TEST REPORT



Test specification: ASTM D 1557-12 Method C Modified
ASTM D4718-15 Oversize Corr. Applied to Each Test Point

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/4 in.	% < No.200
	USCS	AASHTO						
on site	GP	A-1-a		2.70	NV	NP	13	1.2

ROCK CORRECTED TEST RESULTS		MATERIAL DESCRIPTION
Maximum dry density = 139.7 pcf Optimum moisture = 7.3 %		3" Minus Pitrun
Project No. Client: Watterson Construction Project: FNSB Animal Shelter Fairbanks, Alaska ○ Source of Sample: FSG AGG Sample Number: 26-339		Remarks: specific gravity assumed
MAPPA TESTLAB 1956 Richardson Highway North Pole, Alaska 99705		
		Figure

Figure

Tested By: Ava White Checked By: Stefan Mack, PE