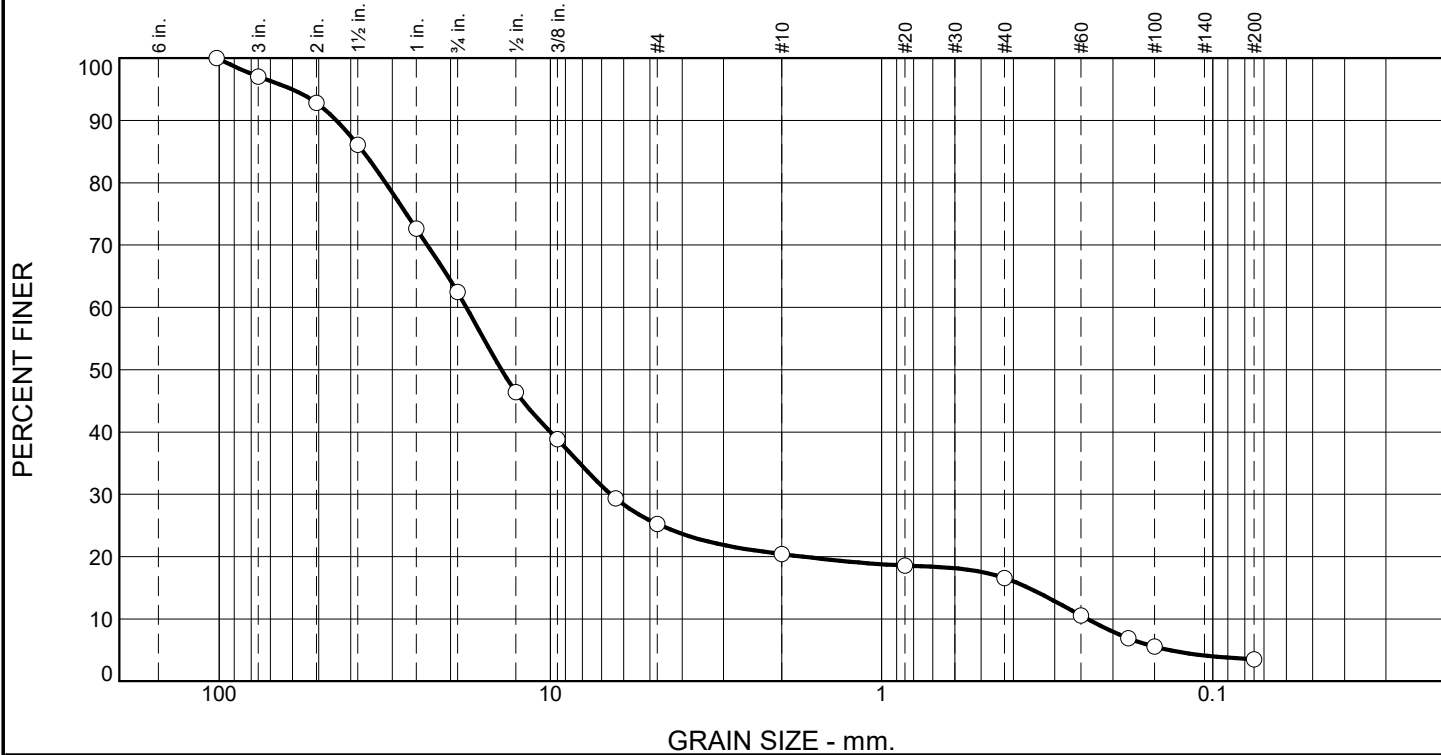


Particle Size Distribution Report



% +3"	% Gravel	% Sand		% Fines
		Coarse	Fine	Silt
3	77	3	13	4

Test Results (ASTM C 136 & ASTM C 117)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
4	100		
3	97		
2	93		
1.5	86		
1	73		
3/4	62		
1/2	46		
3/8	39		
1/4	29		
#4	25		
#10	20		
#20	19		
#40	17		
#60	11		
#80	7		
#100	6		
#200	3.5		

* (no specification provided)

Material Description		
4" Pitrun Gravel		
Atterberg Limits (ASTM D 4318)		
PL= NP	LL= NV	PI=
Classification		
USCS (D 2487)= GP	AASHTO (M 145)= A-1-a	
Coefficients		
D ₉₀ = 44.1614	D ₈₅ = 36.7172	D ₆₀ = 17.9131
D ₅₀ = 14.0394	D ₃₀ = 6.5633	D ₁₅ = 0.3603
D ₁₀ = 0.2395	C _u = 74.80	C _c = 10.04
Remarks		
Max Dry Density(ASTM D1557):150.9 pcf @ 4.5% moisture		
Date Received: 5/14/26		Date Tested: 5/21/26
Tested By: Sylvia Mack		
Checked By: Stefan Mack, PE		
Title: Engineer		

Source of Sample: Chesser pit
Sample Number: 26-129

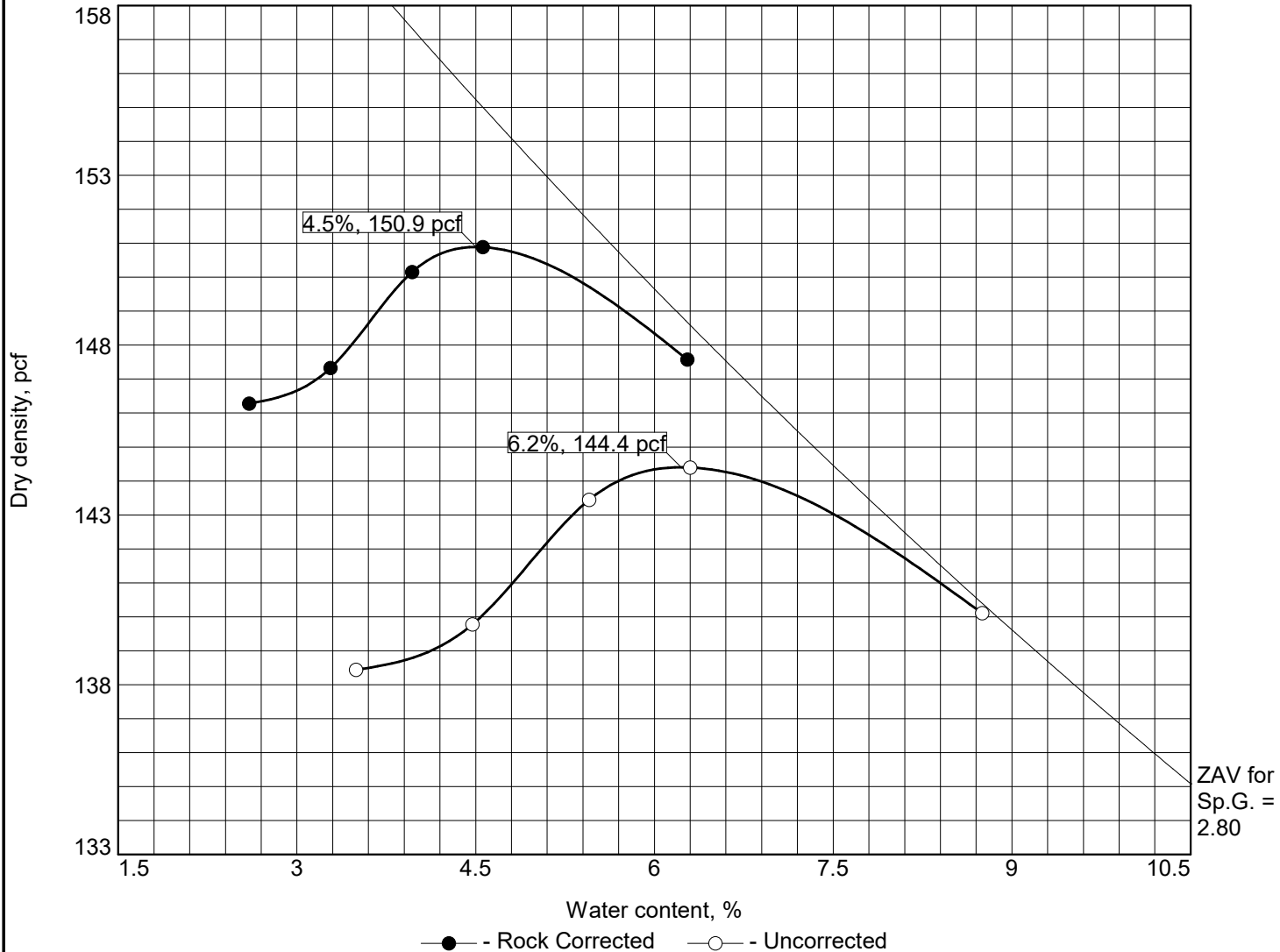
Date Sampled: 5/14/26

MAPPA TESTLAB
1956 Richardson Highway
North Pole, Alaska 99705

Client: Great Northwest
Project: 2026 Quality Control
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						
	GP	A-1-a		2.70	NV		30	3.5

ROCK CORRECTED TEST RESULTS		MATERIAL DESCRIPTION
Maximum dry density = 150.9 pcf Optimum moisture = 4.5 %		4" Pitrun Gravel
Project No. Client: Great Northwest Project: 2026 Quality Control Fairbanks, Alaska ○ Source of Sample: Chesser pit Sample Number: 26-129		Remarks: specific gravity assumed
MAPPA TESTLAB 1956 Richardson Highway North Pole, Alaska 99705		

Figure

Figure

Tested By: Sylvia Mack Checked By: Stefan Mack, PE