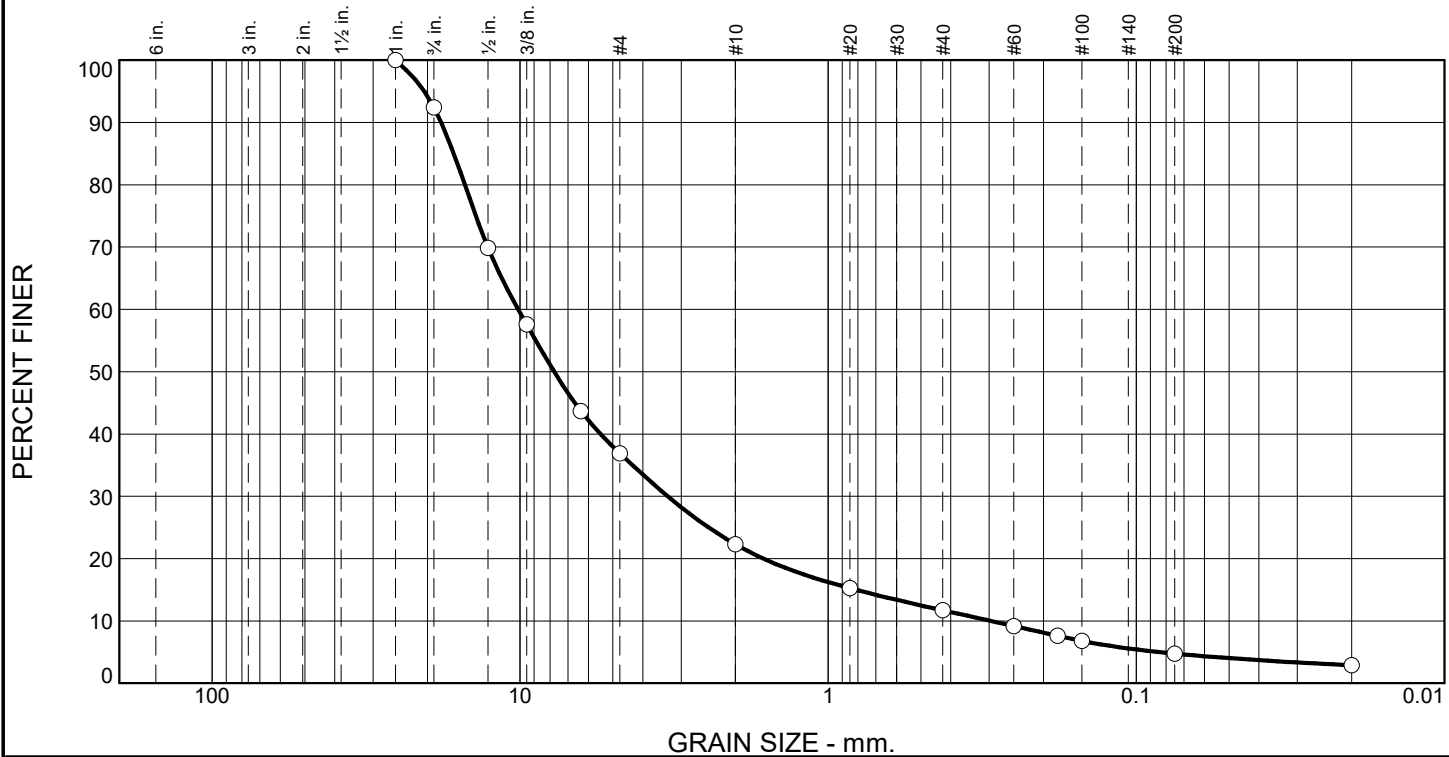


Particle Size Distribution Report



% +3"	% Gravel	% Sand		% Fines Silt
		Coarse	Fine	
0	78	10	7	5

Test Results (ASTM C 136 & ASTM C 117)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1	100		
3/4	92		
1/2	70		
3/8	58		
1/4	44		
#4	37		
#10	22		
#20	15		
#40	12		
#60	9		
#80	8		
#100	7		
#200	4.8		
.02mm	2.9		

* (no specification provided)

Material Description
existing subbase

Atterberg Limits (ASTM D 4318)
PL= NP LL= NV PI= NP

Classification
USCS (D 2487)= GP AASHTO (M 145)= A-1-a

Coefficients
D₉₀= 18.0562 D₈₅= 16.4477 D₆₀= 10.1489
D₅₀= 7.7452 D₃₀= 3.3161 D₁₅= 0.8125
D₁₀= 0.2968 C_u= 34.20 C_c= 3.65

Remarks
Max Dry Density(ASTM D1557):142.0 pcf @ 6.3% moisture

Date Received: 5/30/26 **Date Tested:** 5/31/26
Tested By: Chris Mack, CET
Checked By: Stefan Mack, PE
Title: Engineer

Location: PCC Pad 1160sqyrd 58deg 41'12.42"N 156deg 39'.22"W Sample#1
Sample Number: 26-171 **Depth:** 20.52 Elev

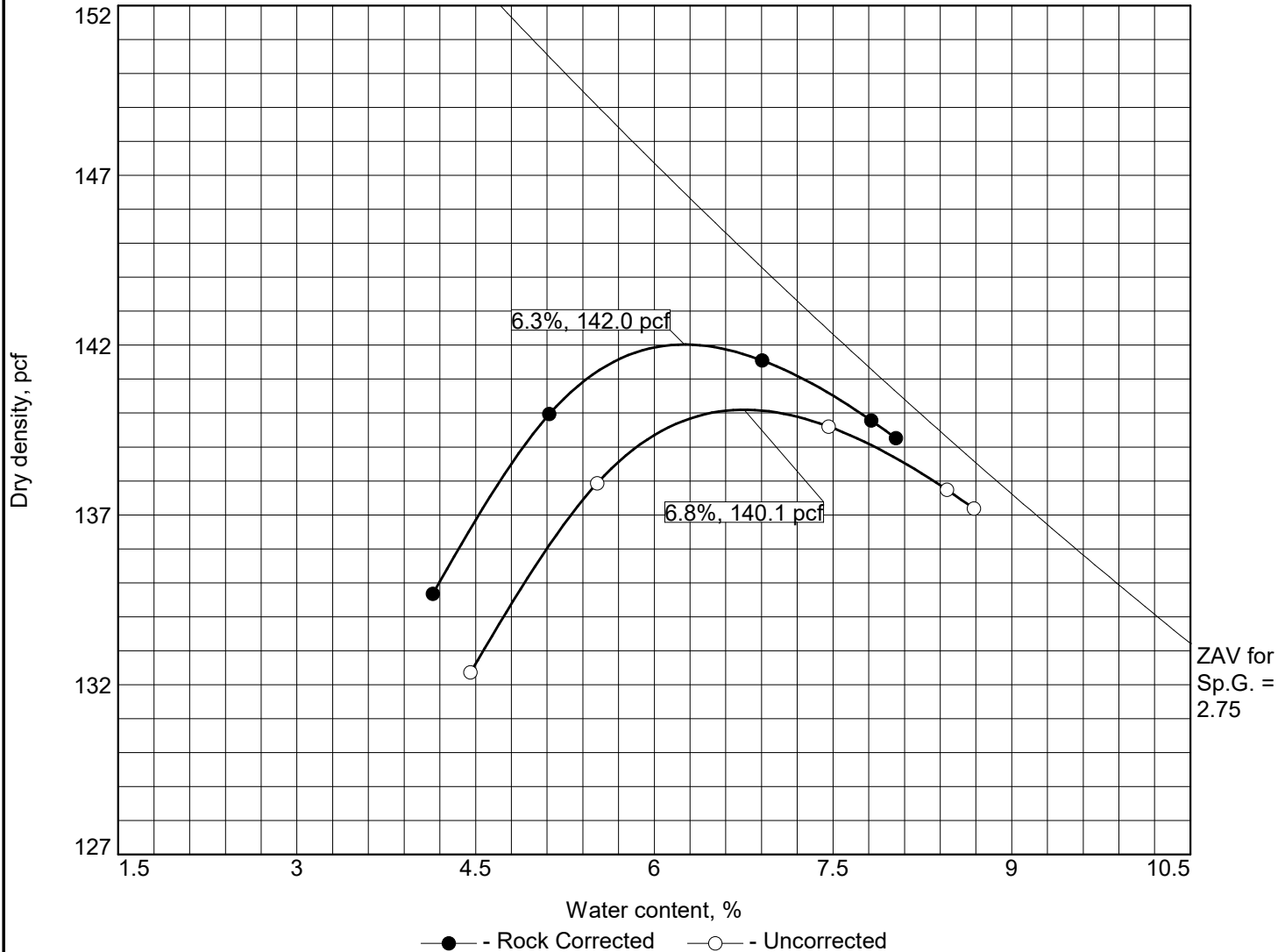
Date Sampled: 5/23/26

MAPPA TESTLAB
1956 Richardson Highway
North Pole, Alaska 99705

Client: HC Contractors
Project: Repair Runway Aprons
King Salmon, Alaska
Project No:

Figure

COMPACTION TEST REPORT For Curve No. 26-171



Test specification: ASTM D 698-12 Method C Standard
 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						
20.52 Elev	GP	A-1-a		2.70	NV	NP	8	4.8

ROCK CORRECTED TEST RESULTS		UNCORRECTED	MATERIAL DESCRIPTION
Maximum dry density = 142.0 pcf		140.1 pcf	existing subbase
Optimum moisture = 6.3 %		6.8 %	
Project No. Client: HC Contractors Project: Repair Runway Aprons King Salmon, Alaska Date: ○ Loc.: PCC Pad 1160sqyrd 58deg 41'12.42"N 156deg 39'.22"W Sample#1 MAPPA TESTLAB 1956 Richardson Highway North Pole, Alaska 99705			Remarks: specific gravity assumed Figure

Figure

Tested By: Chris mack, CET Checked By: Stefan Mack, PE