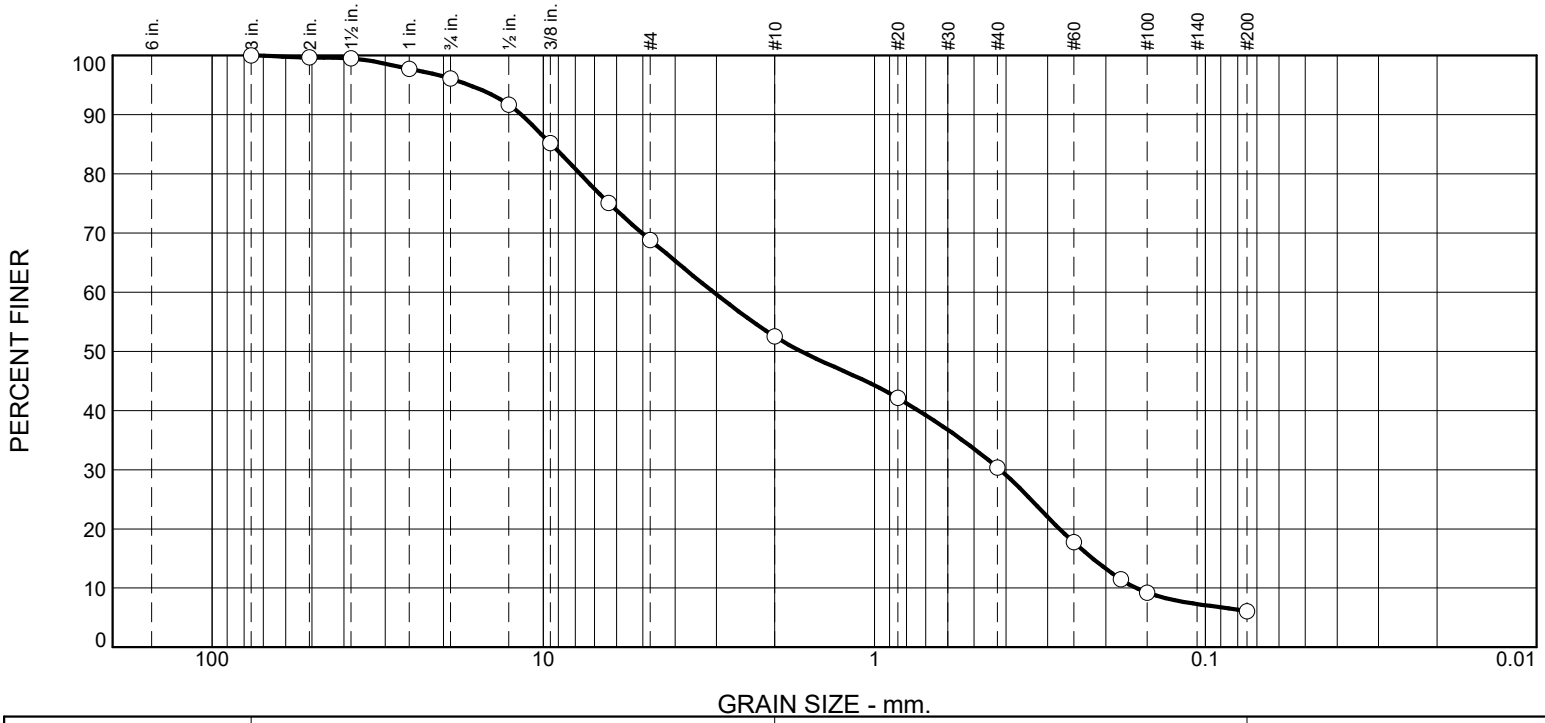
Particle Size Distribution Report



% +3"	% Gravel	% Sand		% Fines
		Coarse	Fine	Silt
0	47	23	24	6

Test Results (ASTM C117 & C136)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100		
2	100		
1.5	99		
1	98		
3/4	96		
1/2	92		
3/8	85		
1/4	75		
#4	69		
#10	53		
#20	42		
#40	30		
#60	18		
#80	11		
#100	9		
#200	6.1		

· (no specification provided)

Material Description

Existing Gravel (crushed material)
non-plasticity assumed

Sieve Test (ASTM C117 & C136)

Test Date: 5/8/26 **Technician:** Sylvia Mack

Test Notes

Max Dry Density = 132.5 pcf @ 8.6% moisture

Hydrometer Test

Test Date: _____ **Technician:** _____

Test Notes

Atterberg (ASTM D4318)

PL= NP **LL=** NV **PI=**

Coefficients

D_{90}= 11.6551 D_{85}= 9.4555
D_{60}= 3.0603 D_{50}= 1.6662
D_{30}= 0.4173 D_{15}= 0.2191
D_{10}= 0.1620
C_u= 18.89 C_c= 0.35

USCS (ASTM D2487)

SP-SM

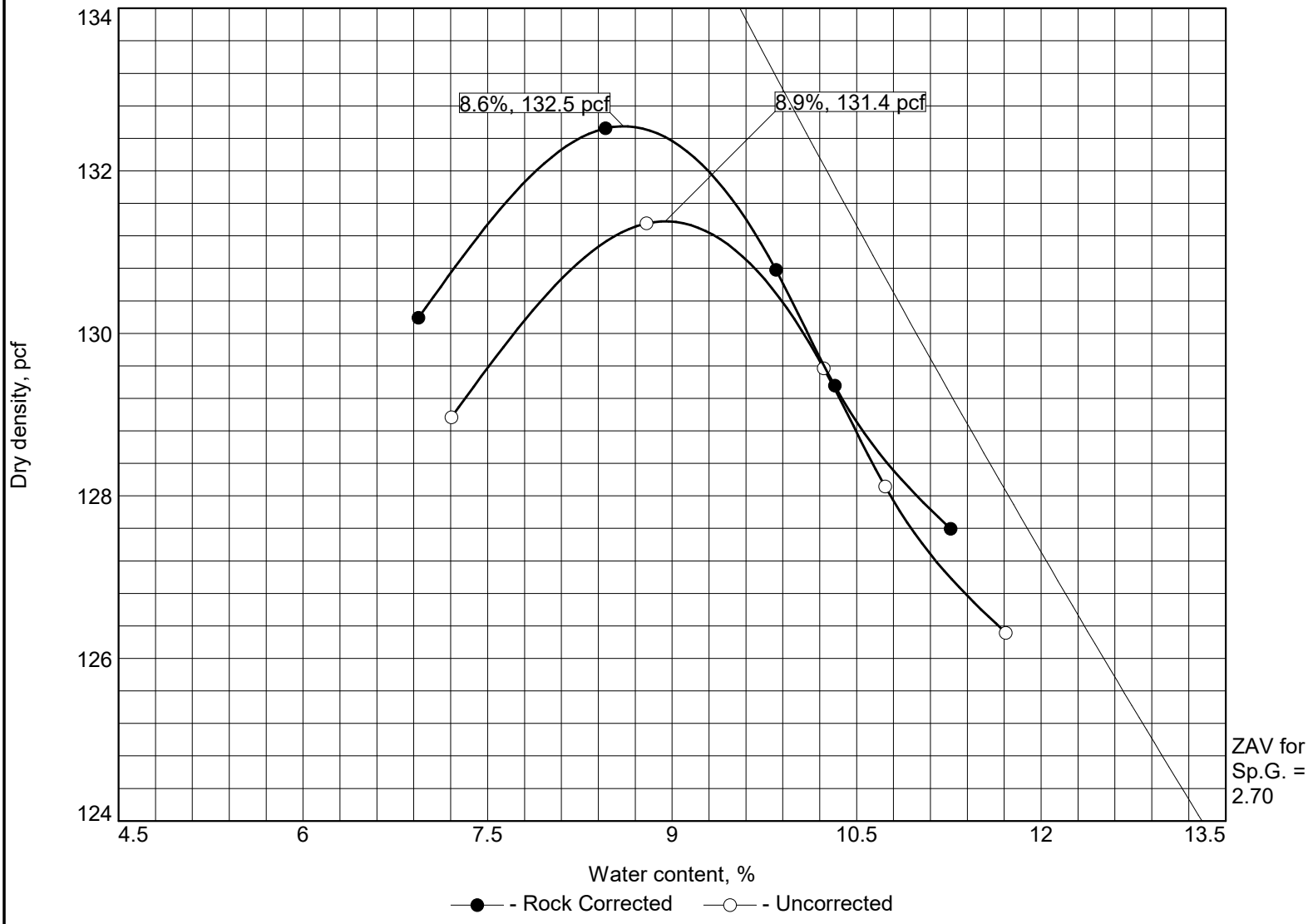
Date Sampled: 5/3/26
Date Received: 5/7/26
Checked By: Stefan Mack, PE
Title: Engineer

Location: North side Hanger, Doors 3&4 Centerline 6" north
Sample Number: 26-114 **Depth:** 0-4"

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. 26-114



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						
0-4"				2.7			4	6.1

ROCK CORRECTED TEST RESULTS

Maximum dry density = 132.5 pcf

Optimum moisture = 8.6 %

MATERIAL DESCRIPTION

Existing Gravel (crushed material)

Project No. **Client:** HC Contractors

Project: Repair Runway Aprons

King Salmon, Alaska **Date:** 5/7/26

○ **Loc.:** North side Hanger, Doors 3&4 Centerline 6" north **Sample No.:** 26-114

MAPPA TESTLAB
1956 Richardson Highway
North Pole, Alaska 99705

Remarks:
specific gravity assumed

Figure

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