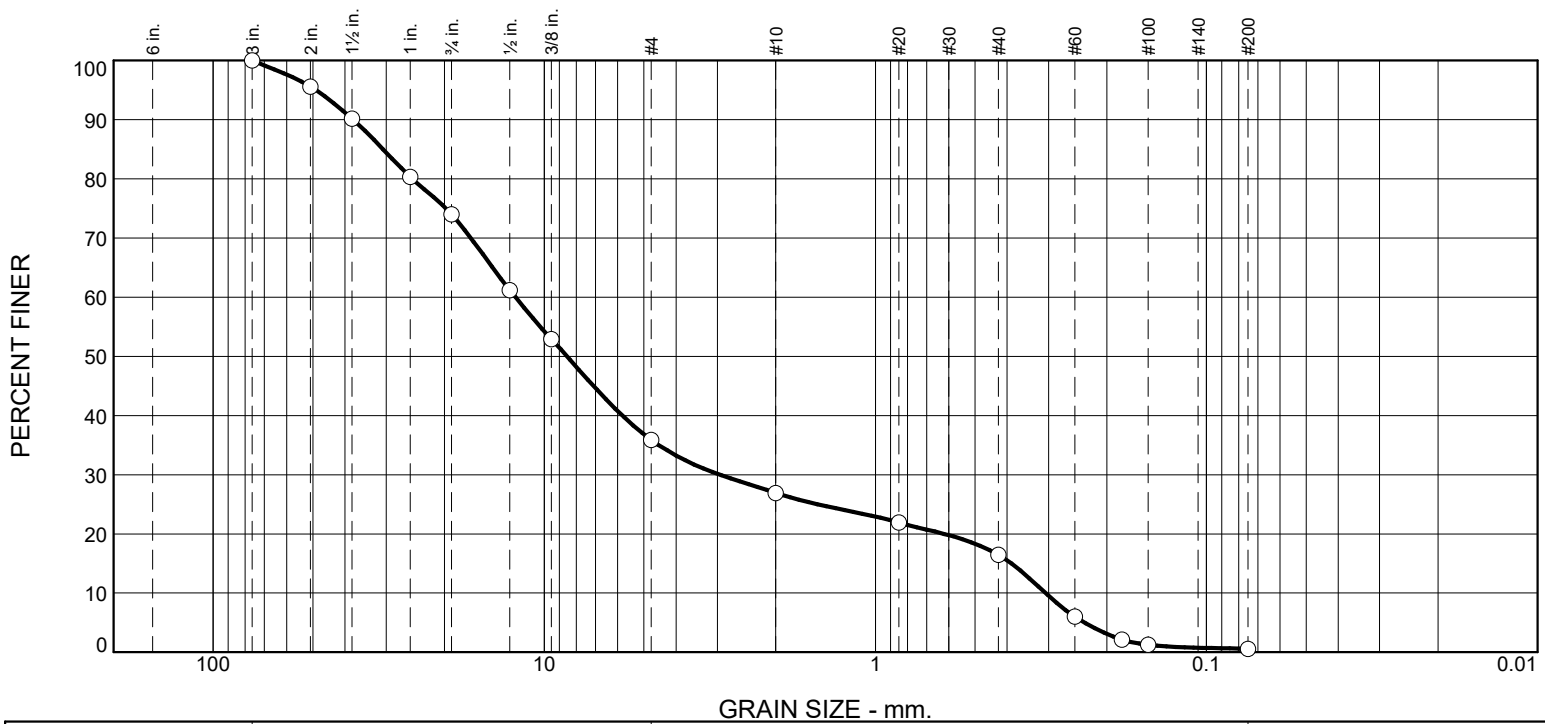


Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines
	Coarse	Fine	Coarse	Medium	Fine	
0	26	38	9	11	15	1

Test Results (ASTM C117 & C136)			
Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100		
2	96		
1.5	90		
1	80		
.75	74		
1/2	61		
.375	53		
#4	36	0-60	
#10	27		
#20	22		
#40	16		
#60	6		
#80	2		
#100	1		
#200	0.6	0-6	

Material Description

3" Gravel (Classified NFS)

Atterberg (ASTM D4318)

PL= NP LL= NV PI= NP

Sieve Test (ASTM C117 & C136)

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

Test Notes

Max Dry Density = 146.2 pcf @ 4.8% moisture

Hydrometer Test

Test Date: Technician:

Test Notes

Coefficients

D₉₀= 37.8014 D₈₅= 30.7146

D₆₀= 12.2188 D₅₀= 8.5457

D₃₀= 2.9518 D₁₅= 0.3879

D₁₀= 0.3061

C_u= 39.92 C_c= 2.33

USCS (ASTM D2487)

GW

Date Sampled: 5/7/26

Date Received: 5/7/26

Checked By: Stefan Mack, PE

Title: Engineer

· Classified Fill

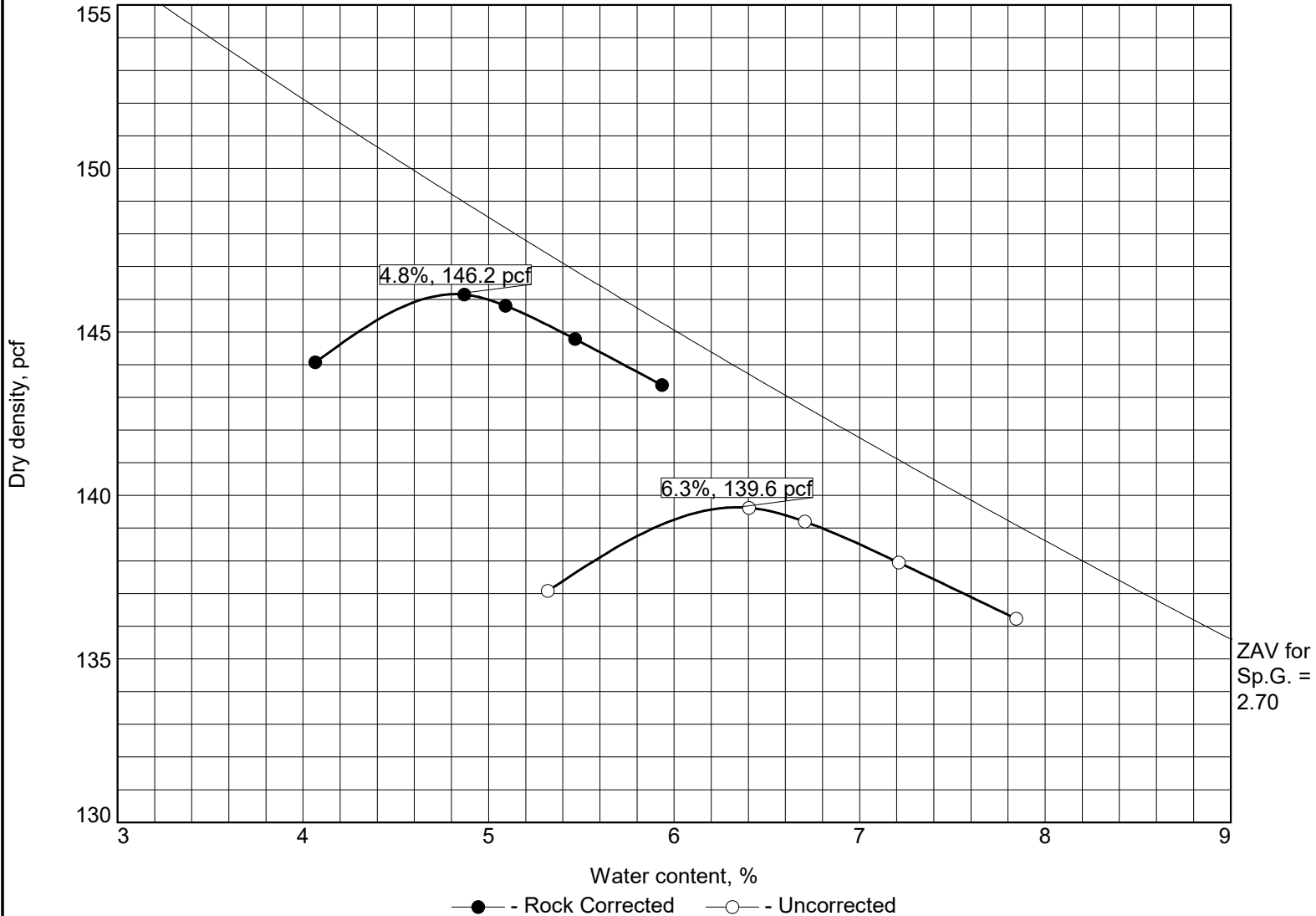
Source of Sample: Mullins Pit (GNI Stockpile)
Sample Number: 26-113

MAPPA TESTLAB
1956 Richardson Highway
North Pole, Alaska 99705

Client: Eklutna Construction & Maintenance, LLC
Project: EIE439 Fuels Management and Laboratory Facility
Eielson AFB, AK
Project No:

Figure

COMPACTION TEST REPORT for Curve No. 26-113



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						
	GW	A-1-a		2.7	NV		26	0.6

ROCK CORRECTED TEST RESULTS		MATERIAL DESCRIPTION
Maximum dry density = 146.2 pcf Optimum moisture = 4.8 %		3" Gravel (Classified NFS)
Project No. Client: Eklutna Construction & Maintenance, LLC Project: EIE439 Fuels Management and Laboratory Facility Eielson AFB, AK Date: 5/11/26 Source of Sample: Mullins Pit (GNI Stockpile) Sample Number: 26-113		Remarks: Specific Gravity Assumed
MAPPA TESTLAB 1956 Richardson Highway North Pole, Alaska 99705		
		Figure

Figure

Tested By: Sylvia Mack

Checked By: Stefan Mack, PE