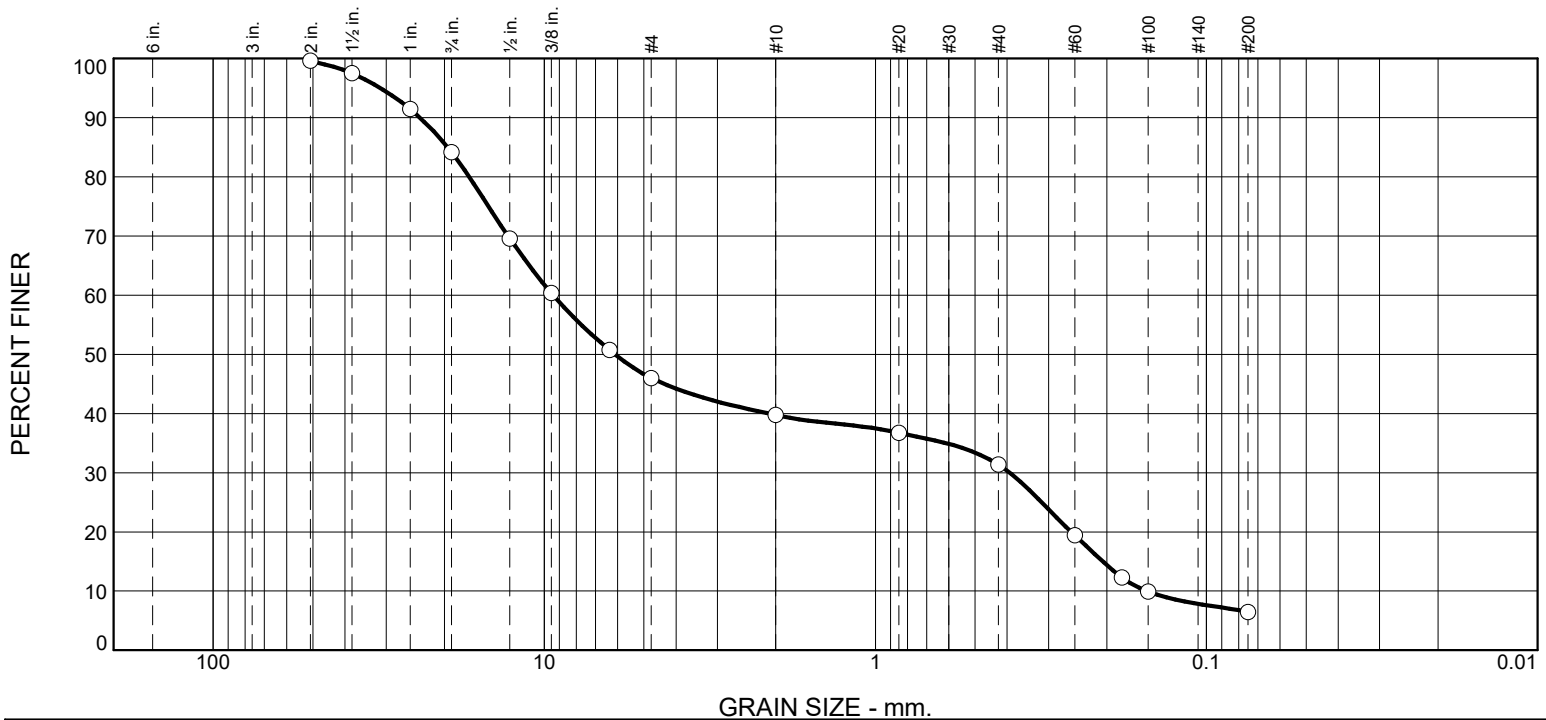


Particle Size Distribution Report



% +3"	% Gravel	% Sand		% Fines
		Coarse	Fine	Silt
		9	25	6

Test Results (ASTM C117 & C136)			
Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
2	100		
1.5	97		
1	91		
3/4	84		
1/2	70		
3/8	60		
1/4	51		
#4	46		
#10	40		
#20	37		
#40	31		
#60	19		
#80	12		
#100	10		
#200	6.5		

* (no specification provided)

Source of Sample: Birch hill stock pile
Sample Number: 26-453

Material Description

Existing poorly graded gravel with silt and sand

Sieve Test (ASTM C117 & C136)

Test Date: 8/28/26 Technician: Ava White

Test Notes

Max Dry Density(ASTM D1557): 140.8 pcf @ 6.3% moisture

Hydrometer Test

Test Date: Technician:

Test Notes

Atterberg (ASTM D4318)

PL= NP LL= NV PI= NP

Coefficients

D₉₀= 23.7657 D₈₅= 19.6121

D₆₀= 9.4063 D₅₀= 6.1232

D₃₀= 0.3927 D₁₅= 0.2059

D₁₀= 0.1512

C_u= 62.22 C_c= 0.11

USCS (ASTM D2487)

GP-GM

Date Sampled: 8/26/26

Date Received: 8/27/26

Checked By: Stefan Mack, PE

Title: Engineer

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North Pole, Alaska 99705

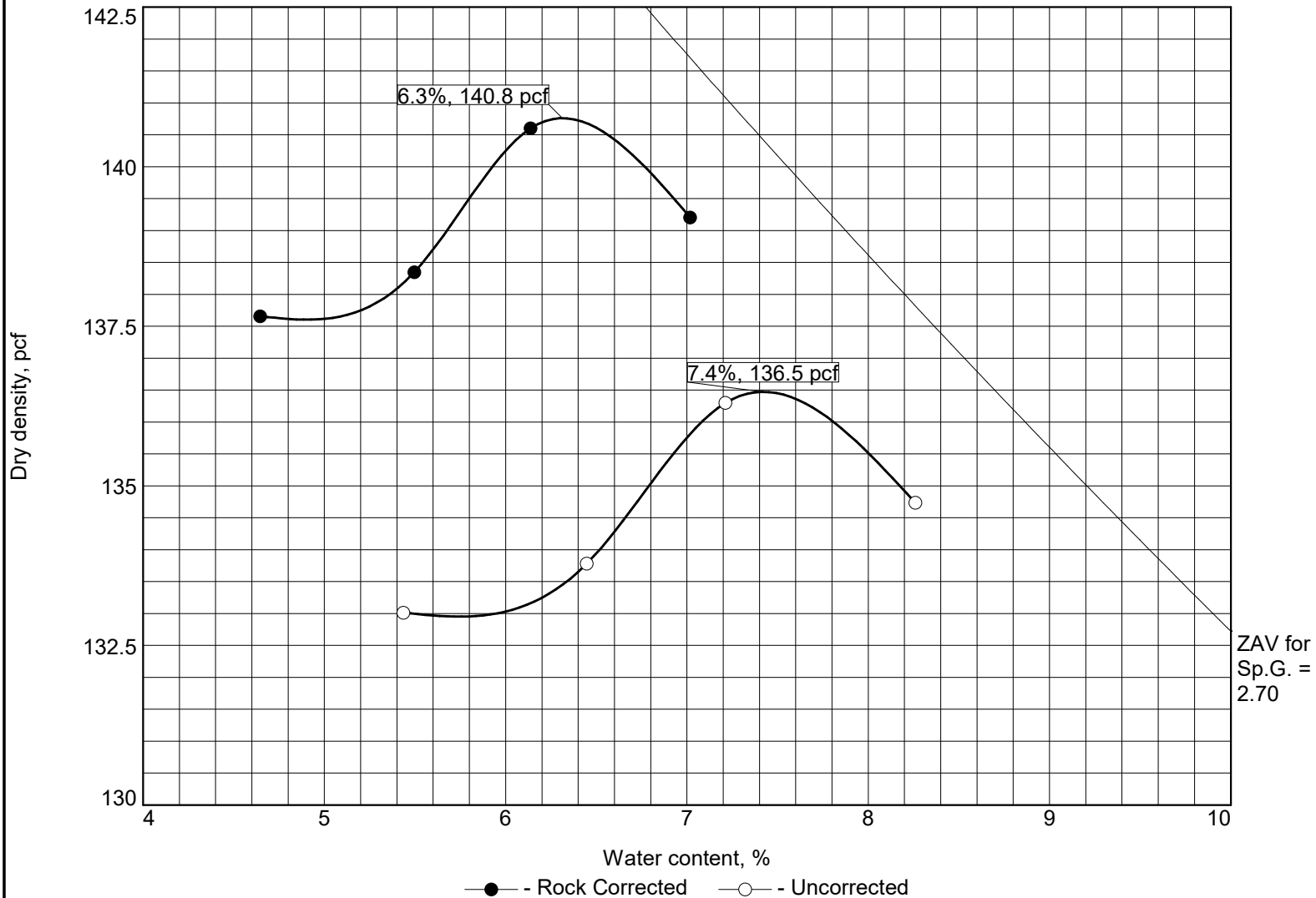
Client: Eklutna Construction & Maint

Project: FTW486B Birch Hill
Ft Wainwright, AK

Project No:

Figure

COMPACTION TEST REPORT for Curve No. 26-453



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-GM	A-1-b		2.7	NV	NP	16	6.5

ROCK CORRECTED TEST RESULTS		MATERIAL DESCRIPTION	
Maximum dry density = 140.8 pcf Optimum moisture = 6.3 %		Existing poorly graded gravel with silt and sand	
Project No. Client: Project: Ft Wainwright, AK Source of Sample: Eklutna Construction & Maint FTW486B Birch Hill Birch hill stock pile Date: Sample Number: 26-453		Remarks: specific gravity assumed	
MAPPA TESTLAB 1956 Richardson Highway North Pole, Alaska 99705		Figure	

Tested By: Bones White

Checked By: Stefan Mack, PE