



**ASTM D6938 In-Place Density and Water Content of Soil and
Soil-Aggregate by Nuclear Methods (Shallow Depth)**

Project: Eielson 430 Building
Eielson AFB, Ak
Client: Alcan Builders, Inc.

Project #: 2025-013
Date: 50/21/2025
Area Tested: Continuous footing/ Primary Power

Material / Source:
Pitrun/ Mullins 144.0

Gauge: Inatrotek 3500
Operator: Markus Mack
Ser: # 3599

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	pitrun	8"	1	Continuous Footing Northeast side of Building	148.8	5.3	141.3	144.0	98.1%	98%
2	pitrun	8"	1	Continuous Footing East side of Building	149.2	5.4	141.6	144.0	98.3%	98%
3	pitrun	6"	1	Primary Power (Abandoned) Backfill	140.9	6.0	132.9	144.0	92.3%	90%
4	pitrun	6"	1	Primary Power (Abandoned) Backfill	144.6	6.6	135.6	144.0	94.2%	90%
5	pitrun	8"	1	Continuous Footing Northeast side of Building	148.8	4.8	142.0	144.0	98.6%	98%
6	pitrun	8"	1	Continuous Footing East side of Building	149.5	5.3	142.0	144.0	98.6%	98%
7	pitrun	6"	2	Primary Power (Abandoned) Backfill	142.4	6.1	134.2	144.0	93.2%	90%
8	pitrun	6"	2	Primary Power (Abandoned) Backfill	140.5	6.5	131.9	144.0	91.6%	90%
9	pitrun	8"	2	Continuous Footing East side of Building	149.6	5.9	141.3	144.0	98.1%	98%
10	pitrun	8"	2	Continuous Footing East side of Building	149.7	5.2	142.3	144.0	98.8%	98%
11	pitrun	8"	2	Continuous Footing Northeast side of Building	148.8	4.9	141.8	144.0	98.5%	98%



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Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
12	pitrun	8"	2	Continuous Footing Northeast side of Building	148.1	4.3	142.0	144.0	98.6%	98%

Approved By: Stefan Mack Stefan Mack PE, Lab Manager

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