



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: May 27, 2025
Area Tested: Southeast Canopy footings backfill**

**Material / Source:
2" Minus/ Mullins 144.0**

**Gauge: Instrotek 3500 Ser: # 1748
Operator: John Trush**

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	2" Minus	6"	foot grade	Southeast Canopy footings backfill (see map)	147.3	5.8	139.2	144.0	96.7%	98%
2	2" Minus	6"	foot grade	Southeast Canopy footings backfill (see map)	148.7	6.0	140.3	144.0	97.4%	98%
3	2" Minus	6"	foot grade	Southeast Canopy footings backfill (see map)	150.3	6.1	141.7	144.0	98.4%	98%
4	2" Minus	6"	foot grade	Southeast Canopy footings backfill (see map)	148.6	6.0	140.2	144.0	97.4%	98%
5	2" Minus	6"	foot grade	Southeast Canopy footings backfill (see map) Retest #1	150.9	6.3	142.0	144.0	98.6%	98%
6	2" Minus	6"	foot grade	Southeast Canopy footings backfill (see map) Retest #4	150.0	6.0	141.5	144.0	98.3%	98%

Approved By: Stefan Mack Stefan Mack PE, Lab Manager