

**ASTM D6938 In-Place Density and Water Content of Soil and  
Soil-Aggregate by Nuclear Methods (Shallow Depth)****Project: FTW Building 3015  
Fort Wainwright, AK  
Client: Alcan Builders****Project #: 2025-003  
Date: May 7, 2025  
Area Tested: Tie-In Pit****Material / Source:**  
**Gravel / Exist                      142.9****Gauge: Instron 3500                      Ser: # 1019  
Operator: Ben Marth**

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	gravel	6"	2	Cell 1.1 Tie-in Pit	148.1	3.8	142.7	142.9	99.8%	95%
2	gravel	6"	3	Cell 1.1 Tie-in Pit	143.3	4.0	137.8	142.9	96.4%	95%
3	gravel	BS	1	Cell 1.1 Cell Grade	144.4	4.8	137.8	142.9	96.4%	95%
4	gravel	BS	1	Cell 1.1 Cell Grade	150.4	5.4	142.7	142.9	99.9%	95%
5	gravel	6"	1	Cell 1.2 Tie-in Pit	148.4	6.3	139.6	142.9	97.7%	95%
6	gravel	6"	1	Cell 1.2 Tie-in Pit	145.7	5.8	137.7	142.9	96.4%	95%
7	gravel	6"	1	Cell 1.3 Tie-in Pit	146.7	6.0	138.4	142.9	96.8%	95%
8	gravel	6"	1	Cell 1.3 Tie-in Pit	151.1	5.2	143.6	142.9	100.5%	95%