Mappa Inc

1956 Richardson Hwy
North Pole, AK 99705
(907) 488-1266

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 5, 2025
Area Tested: Trenches

Material / Source:
Gravel / Exist 142.9

Gauge: Instrotek 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 3.1 Tie-in Pit Trench	145.4	6.3	136.8	142.9	95.7%	95%
2	gravel	6"	2	Cell 3.1 Tie-in Pit Trench	147.3	7.5	137.0	142.9	95.9%	95%
3	gravel	6"	1	Cell 1.1 Trench	147.1	3.3	142.4	142.9	99.7%	95%
4	gravel	6"	1	Cell 1.1 Trench	143.3	5.3	136.1	142.9	95.2%	95%
5	gravel	6"	1	Cell 1.1 Bottom of excavation	145.7	5.0	138.8	142.9	97.1%	95%
6	gravel	6"	1	Cell 1.1 Bottom of excavation	145.2	5.9	137.1	142.9	95.9%	95%
7	gravel	6"	1	Cell 1.2 Trench	142.6	4.2	136.9	142.9	95.8%	95%
8	gravel	6"	1	Cell 1.2 Trench	146.8	6.3	138.1	142.9	96.6%	95%
9	gravel	6"	1	Cell 4.1 Trench	146.2	6.2	137.7	142.9	96.3%	95%
10	gravel	6"	1	Cell 4.1 Bottom of excavation	145.2	6.9	135.8	142.9	95.1%	95%
11	gravel	6"	1	Cell 1.3 Trench	147.3	7.8	136.6	142.9	95.6%	95%
12	gravel	6"	1	Cell 1.3 Trench	146.0	6.4	137.2	142.9	96.0%	95%

Approved By: *Stefan Mack* Stefan Mack PE, Lab Manager