



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

**Project: FTW484 Access Control Lighting & Generators
Fort Wainwright , AK
Client: Eklutna Construction & Maintenance**

**Project #: 2026-001
Date: May 21, 2026
Area Tested: Conduit Trench**

Material / Source:
3" Gravel/ Existing 143.3

**Gauge: Instron 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	exist gravel	6"	1	Conduit Trench backfill (see map)	145.5	6.9	136.1	143.3	95.0%	95%
2	exist gravel	6"	1	Conduit Trench backfill (see map)	143.7	5.3	136.5	143.3	95.2%	95%
3	exist gravel	6"	2	Conduit Trench backfill (see map)	143.1	4.6	136.8	143.3	95.5%	95%
4	exist gravel	6"	2	Conduit Trench backfill (see map)	144.0	4.8	137.4	143.3	95.9%	95%
5	exist gravel	6"	3	Conduit Trench backfill (see map)	145.1	4.9	138.3	143.3	96.5%	95%
6	exist gravel	6"	3	Conduit Trench backfill (see map)	145.0	3.7	139.8	143.3	97.6%	95%

