



**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: June 10, 2026
Area Tested: Light G24-30 to Light G04- 28**

Material / Source:
Existing/ Existing 120.9

Gauge: Instron 3500 Ser: # 1903
Operator: Markus Mack

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	exist	8"	1	Light G30 to Light G28	122.3	11.4	109.8	120.9	90.8%	90%
2	exist	8"	1	Light G30 to Light G28 Curb Island	124.8	8.0	115.6	120.9	95.6%	95%
3	exist	8"	2	Light G30 to Light G28	125.0	14.5	109.2	120.9	90.3%	90%
4	exist	8"	2	Light G30 to Light G28 Curb Island	123.9	6.6	116.2	120.9	96.1%	95%
5	exist	8"	3	Light G30 to Light G28	119.5	8.6	110.0	120.9	91.0%	90%
6	SC pitrun	8"	3	Light G30 to Light G28 Curb Island	120.4	4.5	115.2	120.9	95.3%	95%
7	exist	8"	1	Light G26 to Light G24	124.2	7.9	115.1	120.9	95.2%	90%
8	exist	8"	1	Light G24 to Light G04	120.7	7.6	112.2	120.9	92.8%	90%