

**ASTM D6938 In-Place Density and Water Content of Soil and
Soil-Aggregate by Nuclear Methods (Shallow Depth)****Project: FTW 405 Range Control
Fort Wainwright, AK
Client: Cornerstone General Contractors****Project #: 2025-091
Date: June 23, 2026
Area Tested: 500m Service Road****Material / Source:****Silty sand w/ gravel/ Range pit 110.5
Unclassified/ Existing 147.5****Gauge: Instron 3500
Operator: John Trush****Ser: # 1748**

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	Silty sand w/ gravel	8"	sub grade	500 m service Rd STA: 1+64	120.4	15.5	104.2	110.5	94.3%	92%
2	Silty sand w/ gravel	8"	sub grade	501 m service Rd STA: 4+48	126.4	16.8	108.2	110.5	97.9%	92%
3	unclassified fill	8"	sub grade	502 m service Rd STA: 6+90	144.7	3.5	139.8	147.5	94.8%	92%
4	Silty sand w/ gravel	8"	sub grade	503 m service Rd STA: 9+18	122.2	10.7	110.4	110.5	99.9%	92%

Approved By: Stefan Mack Stefan Mack PE, Lab Manager