

**ASTM D6938 In-Place Density and Water Content of Soil and
Soil-Aggregate by Nuclear Methods (Shallow Depth)****Project: Matson
Fairbanks, AK
Client: Watterson Construction****Project #: 2026-018
Date: July 2, 2026
Area Tested: Water Line****Material / Source:**
Silty sand/ Exist 117.0**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	Silty sand	10"	1	Water Line Backfill 8' South of Building	120.1	9.9	109.3	117.0	93.4%	95%
2	Silty sand	10"	2	Water Line Backfill 8' South of Building Retest #1	122.1	9.5	111.5	117.0	95.3%	95%
3	Silty sand	10"	3	Water Line Backfill 6' South of Building	122.9	10.0	111.7	117.0	95.5%	95%
4	Silty sand	10"	4	Water Line Backfill 5' South of Building	123.6	10.4	112.0	117.0	95.7%	95%