

**ASTM D6938 In-Place Density and Water Content of Soil and
Soil-Aggregate by Nuclear Methods (Shallow Depth)****Project: Fairbanks Temple
Fairbanks, AK
Client: Westland****Project #: 2025-110
Date: October 2, 2025
Area Tested: Ancillary Building****Material / Source:
Pitrun/ Van Horn 144.1****Gauge: Instron 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	pitrun	8	1	Ancillary Building (see map)	147.2	6.0	138.9	144.1	96.4%	95%
2	pitrun	8	1	Ancillary Building (see map)	151.8	7.6	141.1	144.1	97.9%	95%
3	pitrun	8	1	Ancillary Building (see map)	153.4	11.0	138.2	144.1	95.9%	95%
4	pitrun	8	1	Ancillary Building (see map)	146.9	7.0	137.3	144.1	95.3%	95%
5	pitrun	8	1	Ancillary Building (see map)	147.5	7.2	137.6	144.1	95.5%	95%
6	pitrun	8	2	Ancillary Building (see map)	150.1	8.2	138.7	144.1	96.3%	95%
7	pitrun	8	2	Ancillary Building (see map)	149.6	8.4	138.0	144.1	95.8%	95%
8	pitrun	8	2	Ancillary Building (see map)	150.1	7.4	139.8	144.1	97.0%	95%
9	pitrun	8	2	Ancillary Building (see map)	149.7	7.4	139.4	144.1	96.7%	95%
10	pitrun	8	2	Ancillary Building (see map)	149.4	8.1	138.2	144.1	95.9%	95%

Approved By: Stefan Mack Stefan Mack PE, Lab Manager