



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: September 18, 2025
Area Tested: Northwest Parking lot/ South Road**

**Material / Source:
Pitrun/ Van Horn 144.1**

**Gauge: Instrotek 3500 Ser: # 898
Operator: Wayne Harding**

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	pitrun	6	1	Northwest Parking lot (see map)	147.9	7.5	137.6	144.1	95.5%	95%
2	pitrun	6	1	Northwest Parking lot (see map)	147.2	6.3	138.5	144.1	96.1%	95%
3	pitrun	6	1	Northwest Parking lot (see map)	146.8	5.9	138.6	144.1	96.2%	95%
4	pitrun	6	1	Northwest Parking lot (see map)	146.1	5.2	138.9	144.1	96.4%	95%
5	pitrun	6	1	Northwest Parking lot (see map)	146.3	6.4	137.5	144.1	95.4%	95%
6	pitrun	6	1	Northwest Parking lot (see map)	147.5	6.2	138.9	144.1	96.4%	95%
7	pitrun	6	1	Northwest Parking lot (see map)	145.8	5.5	138.2	144.1	95.9%	95%
8	pitrun	6	1	Northwest Parking lot (see map)	149.3	6.7	139.9	144.1	97.1%	95%
9	pitrun	6	4	South Road (see map)	147.6	6.9	138.1	144.1	95.8%	95%
10	pitrun	6	4	South Road (see map)	146.3	6.1	137.9	144.1	95.7%	95%
11	pitrun	6	4	South Road (see map)	148.0	7.4	137.8	144.1	95.6%	95%
12	pitrun	6	4	South Road (see map)	146.3	6.1	137.9	144.1	95.7%	95%
13	pitrun	6	4	South Road (see map)	146.5	7.0	136.9	144.1	95.0%	95%
14	pitrun	6	4	South Road (see map)	148.5	6.7	139.2	144.1	96.6%	95%
15	pitrun	6	2	Northwest Parking lot (see map)	146.4	5.7	138.5	144.1	96.1%	95%
16	pitrun	6	2	Northwest Parking lot (see map)	148.5	6.8	139.0	144.1	96.5%	95%
17	pitrun	6	2	Northwest Parking lot (see map)	146.8	4.9	139.9	144.1	97.1%	95%
18	pitrun	6	2	Northwest Parking lot (see map)	147.0	5.7	139.1	144.1	96.5%	95%
19	pitrun	6	2	Northwest Parking lot (see map)	148.0	6.1	139.5	144.1	96.8%	95%



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20	pitrun	6	2	Northwest Parking lot (see map)	145.7	5.4	138.2	144.1	95.9%	95%
21	pitrun	6	2	Northwest Parking lot (see map)	146.8	5.8	138.8	144.1	96.3%	95%
22	pitrun	6	2	Northwest Parking lot (see map)	146.5	6.2	137.9	144.1	95.7%	95%

