



**ASTM D6938 In-Place Density and Water Content of Soil and
Soil-Aggregate by Nuclear Methods (Shallow Depth)**

Project: Tanana Village Clinic Replacement
Tanana Village, AK
Client: Ghemm Co.

Project #: 2025-031
Date: July 8, 2025
Area Tested: Southwest Entrance/ Parking lot

Material / Source:
Pitrun/ Tanana 140.0

Gauge: Instrotek 3500
Operator: Ben Marth
Ser: # 963

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	pitrun	12	1	Southwest Entrance Pad/West Edge	138.4	3.4	133.8	140.0	95.6%	95%
2	pitrun	12	1	Building Edge West	142.1	2.8	138.2	140.0	98.7%	95%
3	pitrun	12	1	Building Edge North	140.0	3.0	135.9	140.0	97.1%	95%
4	pitrun	12	1	East Parking lot	140.9	2.4	137.6	140.0	98.3%	95%
5	pitrun	12	1	East Parking lot	139.4	3.0	135.3	140.0	96.7%	95%
6	pitrun	12	2	West Parking lot	143.0	2.9	139.0	140.0	99.3%	95%
7	pitrun	12	2	West Parking lot	142.6	3.5	137.8	140.0	98.4%	95%
8	pitrun	12	1	Generator Pad	143.0	4.1	137.4	140.0	98.1%	95%
9	pitrun	12	1	Building Edge East	143.2	4.6	136.9	140.0	97.8%	95%
10	pitrun	12	1	Building Edge East	139.6	3.4	135.0	140.0	96.4%	95%
11	pitrun	12	2	Building Edge West	140.6	3.0	136.5	140.0	97.5%	95%
12	pitrun	12	2	Southwest Entrance Pad/West Edge	137.8	3.2	133.5	140.0	95.4%	95%
13	pitrun	12	3	West Parking lot	138.7	3.5	134.0	140.0	95.7%	95%
14	pitrun	12	3	West Parking lot	139.0	3.3	134.6	140.0	96.1%	95%
15	pitrun	12	2	East Parking lot	138.5	3.6	133.7	140.0	95.5%	95%
16	pitrun	12	2	East Parking lot	139.2	4.5	133.2	140.0	95.1%	95%
17	pitrun	12	2	Building Edge East	142.8	5.5	135.4	140.0	96.7%	95%
18	pitrun	12	2	Building Edge East	142.7	5.6	135.1	140.0	96.5%	95%

Approved By: Stefan Mack Stefan Mack PE, Lab Manager