



**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: June 5, 2026
Area Tested: Matson Building Pad

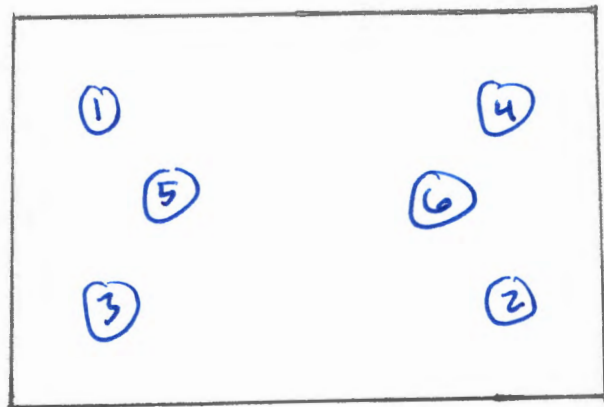
Material / Source:
1" minus/ FS+G AGG 139.1

Gauge: Instrotek 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	1" minus	8"	3	Matson Building Pad Backfill (see map)	142.7	7.1	133.2	139.1	95.8%	95%
2	1" minus	8"	3	Matson Building Pad Backfill (see map)	141.0	6.2	132.8	139.1	95.4%	95%
3	1" minus	8"	4	Matson Building Pad Backfill (see map)	142.5	6.4	133.9	139.1	96.3%	95%
4	1" minus	8"	4	Matson Building Pad Backfill (see map)	138.9	5.4	131.8	139.1	94.7%	95%
5	1" minus	8"	5	Matson Building Pad Backfill (see map)	140.9	6.2	132.7	139.1	95.4%	95%
6	1" minus	8"	5	Matson Building Pad Backfill (see map)	139.0	5.2	132.1	139.1	95.0%	95%
7	1" minus	8"	6	Matson Building Pad Backfill (see map)	141.9	6.0	133.9	139.1	96.2%	95%
8	1" minus	8"	6	Matson Building Pad Backfill (see map)	142.1	6.5	133.4	139.1	95.9%	95%
9	1" minus	8"	7	Matson Building Pad Backfill (see map)	141.9	6.5	133.2	139.1	95.8%	95%

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Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
10	1" minus	8"	7	Matson Building Pad Backfill (see map)	140.8	4.8	134.4	139.1	96.6%	95%
11	1" minus	8"	8	Matson Building Pad Backfill (see map)	143.6	5.9	135.6	139.1	97.5%	95%
12	1" minus	8"	8	Matson Building Pad Backfill (see map)	141.1	5.2	134.1	139.1	96.4%	95%



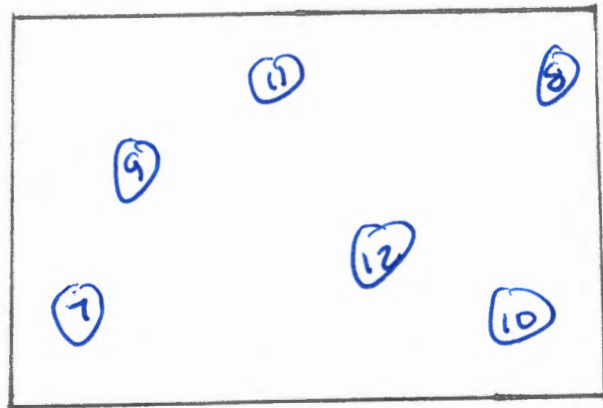
Old Rich and son Hwy

Watterson / mat son

Lift: 3, 4, 5

Date: 06/05/26

Tech: JT



Old Rich and son Hwy

Watterson / mat son

Lift: 6, 7, 8

Date: 06/05/26

Tech: JT