

**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 11, 2026
Area Tested: Parking Area Backfill**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"	2	Parking lot Area Backfill (see map)	142.1	7.5	132.2	139.1	95.0%	95%
2	1" minus	8"	2	Parking lot Area Backfill (see map)	144.8	7.6	134.6	139.1	96.7%	95%
3	1" minus	8"	2	Parking lot Area Backfill (see map)	144.5	9.0	132.6	139.1	95.3%	95%
4	1" minus	8"	2	Parking lot Area Backfill (see map)	144.3	8.5	133.0	139.1	95.6%	95%
5	1" minus	8"	2	Parking lot Area Backfill (see map)	143.5	8.1	132.7	139.1	95.4%	95%
6	1" minus	8"	2	Parking lot Area Backfill (see map)	145.0	8.9	133.1	139.1	95.7%	95%
7	1" minus	8"	2	Parking lot Area Backfill (see map)	144.3	8.6	132.9	139.1	95.5%	95%
8	1" minus	8"	2	Parking lot Area Backfill (see map)	143.0	7.2	133.4	139.1	95.9%	95%
9	1" minus	8"	2	Parking lot Area Backfill (see map)	142.4	7.5	132.5	139.1	95.2%	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"	2	Parking lot Area Backfill (see map)	143.1	7.4	133.2	139.1	95.8%	95%
11	1" minus	8"	2	Parking lot Area Backfill (see map)	141.8	7.0	132.5	139.1	95.3%	95%
12	1" minus	8"	2	Parking lot Area Backfill (see map)	142.4	7.2	132.8	139.1	95.5%	95%

RICHARDSON HIGHWAY

C201

STORM WATER
RETENTION BASIN
(439.00')

1.5' GRAVEL SHOULDER, TYP.

LANDSCAPE AREA, TYP.

R445.0'

R432.0'

R439.0'

TWO-WAY TRAFFIC AISLES

TWO-WAY TRAFFIC AISLES

PIPE YARD

CONCRETE
HARDSTAND, TYP
SEE DETAIL
SHEET C202

4" WHITE, TYP.

5' GRAVEL SHOULDER, TYP.

STORM WATER
RETENTION BASIN
(439.00')

OFFICE

8" CHAIN LINK FENCE
WITH (3) BARBED WIRE,
SEE SHEET C401

C-103 DETAILED SITE PLAN

WCE / MATSON 7/11/26 JT
Parking Area Lift 2