Mappa Inc

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

Project: FTW475 Front Gate
Fort Wainwright, AK
Client: Eklutna Construction

Project #: 2025-063
Date: July 25, 2025
Area Tested: Catch Basin

Material / Source:
Pitrun/ Metro 144.7
Existing/ Existing 143.3

Gauge: Instrotek 3500 **Ser: #** 3599
Operator: Markus Mack

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	pitrun	8"	1	Catch Basin Trench Backfill	146.1	5.8	138.1	144.7	95.4%	95%
2	pitrun	8"	2	Catch Basin Trench Backfill	145.1	5.3	137.8	144.7	95.2%	95%
3	exist	8"	4	Catch Basin North of Catch Basin	143.3	4.3	137.4	143.3	95.9%	95%
4	exist	8"	3	Catch Basin Trench Backfill	141.4	3.3	136.9	143.3	95.5%	95%
5	exist	8"	4	Catch Basin Trench Backfill	146.3	3.4	141.5	143.3	98.7%	95%

Approved By: *Stefan Mack* Stefan Mack PE, Lab Manager

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