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: FTW 405 Range Control
Fort Wainwright, AK
Client: Cornerstone General Contractors

Project #: 2025-091
Date: May 18, 2026
Area Tested: Classroom Building

Material / Source:
Gravel Pitrun/ West Pile 148.3

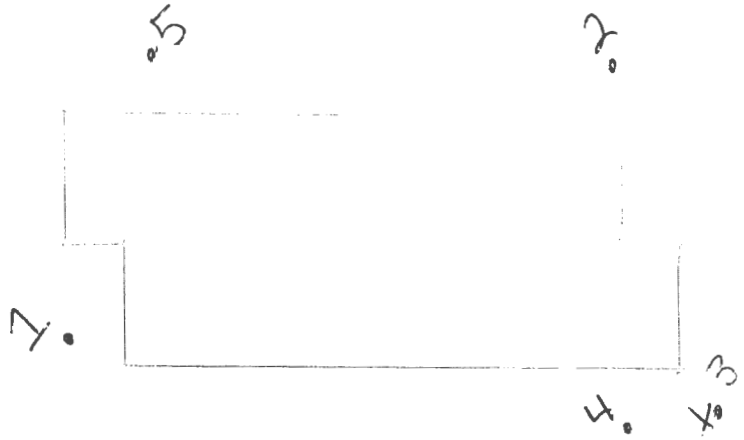
Gauge: Instrotek 3500 **Ser: #** 896
Operator: Wayne Harding

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	gravel	8"	foam subbase	Classroom Building (see map)	148.8	5.3	141.3	148.3	95.3%	95%
2	gravel	8"	foam subbase	Classroom Building (see map)	150.9	6.3	142.0	148.3	95.7%	95%
3	gravel	8"	foam subbase	Classroom Building (see map)	145.7	4.9	138.9	148.3	93.7%	95%
4	gravel	8"	foam subbase	Classroom Building (see map) #3 Retest	148.6	5.2	141.3	148.3	95.2%	95%
5	gravel	8"	foam subbase	Classroom Building (see map)	145.5	3.2	141.0	148.3	95.1%	95%

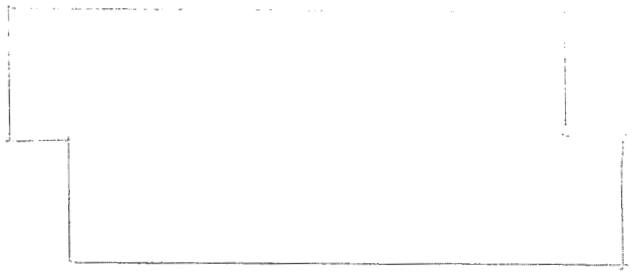
Approved By: *Stefan Mack* Stefan Mack PE, Lab Manager

Range Classroom 4 Tests/Lift
Approximately 1000 sf

Lift: Foam Subbase W. Harding
Date: 5/18/26



Lift:
Date:



Mark exact location of each density test (ASTM D6938)
For final footing and continuous footing lift, take density tests per plan

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