AS Engineering and Consulting LLC

Density Test Report

Date : 04/25/2026
Project No : 2023C159
Client Company : CW Matthews
Arrival Time : 04/25/2026
Onsite Hours : N/A

ASEC Report ID : 94234
Name of the Project : Airfield Repairs 2021-23
Project Location : HJAIA, Atlanta, GA
Weather : overcast
Departure Time : 04/25/2026
ASEC Technician Name : Russell Hendrix

Test Date	Test Number	Moisture Content (%)	Dry Density (pcf)	Proctor Number	Max. Dry Density (pcf)	Optimum Moisture (%)	Compaction (%)	Specified Compaction (%)	ASTM Test Method	Pass/Fail
04/25/2026	1	11.9	125.4	2026-118	124.3	8.9	100.9	90	D6938	Pass
Location : Area 4, Elv/Depth :- 1 foot below subgrade										
Comment : QA proctor used 128.98 DD/ 7.5% Moisture. Pass / agreed with QA										
Tested By : Russell Hendrix Gauge Serial No. : 38069										
04/25/2026	2	10.7	123.1	2026-118	124.3	8.9	99.0	90	D6938	Pass
Location : Area 4, Elv/Depth :- 1 foot below subgrade										
Comment : prooctor from QA used. Pass / agreed with QA 128.98 DD/ 7.5% Moisture										
Tested By : Russell Hendrix Gauge Serial No. :										
04/25/2026	retest 1	16	104.1	2026-111	119.3	10.6	87.3	90	D6938	Fail
Location : area 4, Elv/Depth :first lift										
Comment : fail / QA in agreement. QA recommending mixing GAB in soil to lower moisture.										
Tested By : Russell Hendrix Gauge Serial No. : 38069										
04/25/2026	Retest 2	9.8	117.7	2026-111	119.3	10.6	98.7	90	D6938	Pass
Location : area 4, Elv/Depth :first lift										
Comment : Pass after mixing with GAB. QA in agreement										
Tested By : Russell Hendrix Gauge Serial No. : 38069										

Remark: Test performed in general accordance with signatured referenced ASTM Method.

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PROCTOR DATA SUMMARY

TEST DATE	PROCTOR ID	MAX DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	PROCTOR TYPE	SOIL DESCRIPTION
04/24/2026	2026-111	119.3	10.6	Modified	Silty Sand with inclusion of gravel
04/28/2026	2026-118	124.3	8.9	Modified	M10 Stockpile
04/25/2026	2026-119	136.8	8.0	Modified	Graded Aggregate Base
04/26/2026	2026-120	130.9	6.0	Modified	Light brown sandy silt with gravel
05/06/2026	Field Proctor	110.4	17.1	Standard	M10 sand mixture
04/29/2026	2026-127	124.2	7.3	Modified	Light brown sandy silt with gravel