Density Test Report

ASEC Report ID : 80223
Name of the Project : Riverwood Retaining Wall
Project Location : Dallas
Weather : sunny
Departure Time : 04/17/2025
ASEC Technician Name : Russell Hendrix

Date : 04/17/2025
Project No : 2025C150
Client Company : Davidson Homes
Arrival Time : 04/17/2025
Onsite Hours :

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
04/17/2025	1	22.6	92.6	2025-021 SP	97.2	18.6	95.3	95	D6938	Pass
Location : Retaining wall North to South, Elv/Depth :4th lift Comment : Tested By : Russell Hendrix Gauge Serial No. : 29588										
04/17/2025	2	21.8	94.3	2025-021 SP	97.2	18.6	97.0	95	D6938	Pass
Location : North to South along retaining wall, Elv/Depth :4th lift Comment : Tested By : Russell Hendrix Gauge Serial No. : 29588										
04/17/2025	3	16	97.9	2025-015 SP	102.8	18.1	95.2	95	D6938	Pass
Location : North to South along retaining wall, Elv/Depth :4th lift Comment : Tested By : Russell Hendrix Gauge Serial No. : 29588										
04/17/2025	4	17.1	105.0	2025-015 SP	102.8	18.1	102.1	95	D6938	Pass
Location : North to South along retaining wall, Elv/Depth :4th lift Comment : Tested By : Russell Hendrix Gauge Serial No. : 29588										
04/17/2025	5	34.9	105.0	2025-015 SP	102.8	18.1	102.1	95	D6938	Pass
Location : North to South along retaining wall, Elv/Depth :4th lift Comment : Tested By : Russell Hendrix Gauge Serial No. : 29588										
04/04/2025	6	17.2	99.6	2025-015 SP	102.8	18.1	96.9	95	D6938	Pass
Location : Next lift, North to South, Elv/Depth :5th lift Comment : Tests 6-10 are next lift (same elevation) Tested By : Russell Hendrix Gauge Serial No. : 29588										
04/17/2025	7	15.7	113.7	2025-015 SP	102.8	18.1	95.6	95	D6938	Pass
Location : North to south, Elv/Depth :5th lift Comment : Tested By : Russell Hendrix Gauge Serial No. : 29588										
04/17/2025	8	18.5	98.1	2025-015 SP	102.8	18.1	95.4	95	D6938	Pass
Location : North to South along retaining wall, Elv/Depth :5th lift Comment : Tested By : Russell Hendrix Gauge Serial No. : 29588										
04/17/2025	9	19.4	89.7	2025-009 SP	89.2	25.2	100.6	95	D6938	Pass
Location : North to South along retaining wall, Elv/Depth :5th lift										

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Onsite Hours :

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
Comment :										
Tested By :			Russell Hendrix			Gauge Serial No. : 29588				
04/17/2025	10	15.9	93.6	2025-021 SP	97.2	18.6	96.3	95	D6938	Pass
Location : North to South along retaining wall, Elv/Depth :5th lift										
Comment :										
Tested By :			Russell Hendrix			Gauge Serial No. : 29588				

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

Kenneth Mosman

Kenneth Mosman

AS Engineering and Consulting LLC

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PROCTOR DATA SUMMARY

TEST DATE	PROCTOR ID	MAX DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	PROCTOR TYPE	SOIL DESCRIPTION
03/25/2025	2025-009 SP	89.2	25.2	Standard	Red Clayey SAND
03/27/2025	2025-015 SP	102.8	18.1	Standard	Brown Silty fine to medium SAND
04/17/2025	2025-018 SP	99.9	18.5	Standard	Brown Silty SAND
04/21/2025	2025-019 SP	95.8	21.5	Standard	Red Sandy CLAY
04/21/2025	2025-021 SP	97.2	18.6	Standard	Brown Silty SAND