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Report No: FDR:05322552-37

Issue No: 2

This report replaces all previous issues of this report signed on 04/03/2023

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Field Density Test Report

Client: TWIN STAR ENERGY
7671 SHAFFER PARKWAY
LITTLETON, CO 80127

CC: DAVE BLACK
JESSE YURAN
SATISH CHANDER

Project: 7-ELEVEN 12181 SLICEROO
PARKER, CO

Approved Signatory: Thomas Buck (Senior Project Consultant)
Date of Issue: 7/6/2023

Testing Details

Tested By:	Francisco Boyer	Date Tested:	3/29/2023
Field Methods:	ASTM D 6938	Test Mode:	Direct Transmission
Gauge Make/Model:	Troxler / 3430	Serial Number:	65501
Standard Count: Density:	2407		
Standard Count: Moisture:	680		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
05322552-3-S2	On-Site	poorly graded SAND	ASTM D 698 (A)	108.2	14.5

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	05322552-3-S2	8	120.1	12.8	-1.7	-2 to +2	106.5	98.4	≥95	A
2	D 6938	05322552-3-S2	8	121.9	13.1	-1.4	-2 to +2	107.8	99.6	≥95	A

Location

General Location: Sidewalk north area

Test No.	Location	Test Elev/Depth	Material/Layer
1	East corner	subgrade	Exposed subgrade
2	North east	subgrade	Exposed subgrade

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION B = COMPACTION PERCENTAGE DOES NOT COMPLY WITH SPECIFICATIONS C = MOISTURE DOES NOT COMPLY WITH SPECIFICATIONS