Kansas City Testing & Engineering, LLC
1141 Southwest Blvd.
Kansas City, KS 66103
Phone: 913-321-8100
https://www.kctesting.com

IN-PLACE DENSITY: K45995

CLIENT: CLAYTON PROPERTIES GROUP, INC.
DBA SUMMIT HOMES
120 SE 30TH ST
LEE'S SUMMIT, MO 64082

REPORT NO: K45995
REPORT DATE: 5/3/2022
SERVICE DATE: 5/3/2022

PROJECT: R20-21-214
OSAGE 3RD PLAT

AUTHORIZATION:
CONTRACTOR:

SERVICES: Perform in-place density and moisture content tests to determine the degree of field compaction.

Gauge

Type	Serial No.	Test Mode	Density Current	Density Previous	Moisture Current	Moisture Previous
TROXLER 3440	26934	Direct Transmission	1576		633	

Requirements

	Density Method	Density Specification	Moisture Method	Moisture Specification
A	ASTM D6938	>=95%	ASTM D3017	-2% / +3% of optimum

Test Proctors

No.	Test Type	Material	Optimum Moisture	Max Density	Reference
1	STANDARD PROCTOR ASTM D698, Method B	MODOT TYPE V BASEROCK	9.6%	134.6 pcf	K41774
2	STANDARD PROCTOR ASTM D698, Method B	GRAY-ORANGE MOTTLED SHALEY CLAY	19.7%	104.7 pcf	K44199

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Results

No.	Location	Probe Depth	Lift/Elev	Proctor	Field Moist.	Opt. Moist.	Moist. Result (Req.)	Dry Density (pcf)	Max Density (pcf)	Compaction %	Density Result (Req.)
1	Utility repair at intersection of SW OSAGE DR & SW RIVENGATE PL	12	-6' FG	2	26.0%	19.7%	Fail (A)	97.8	104.7	93%	Fail (A)
2	Utility repair at intersection of SW OSAGE DR & SW RIVENGATE PL	12	-7.5' FG	1	8.8%	9.6%	Pass (A)	134.7	134.6	100%	Pass (A)
3	Utility repair at intersection of SW OSAGE DR & SW RIVENGATE PL	12	-6.5' FG	1	9.1%	9.6%	Pass (A)	129.1	134.6	96%	Pass (A)
4	Utility repair at intersection of SW OSAGE DR & SW RIVENGATE PL	12	-6' FG	1	9.0%	9.6%	Pass (A)	136.4	134.6	101%	Pass (A)
5	Utility repair at intersection of SW OSAGE DR & SW RIVENGATE PL	12	-5.5' FG	1	9.5%	9.6%	Pass (A)	130.6	134.6	97%	Pass (A)
6	Utility repair at intersection of SW OSAGE DR & SW RIVENGATE PL	12	-4.5' FG	1	9.3%	9.6%	Pass (A)	128.5	134.6	95%	Pass (A)
7	Utility repair at intersection of SW OSAGE DR & SW RIVENGATE PL	12	-4' FG	1	8.1%	9.6%	Pass (A)	129.2	134.6	96%	Pass (A)
8	Utility repair at intersection of SW OSAGE DR & SW RIVENGATE PL	12	-3.5' FG	1	8.6%	9.6%	Pass (A)	130.2	134.6	97%	Pass (A)
9	Utility repair at intersection of SW OSAGE DR & SW RIVENGATE PL	12	-3' FG	1	9.4%	9.6%	Pass (A)	128.0	134.6	95%	Pass (A)
10	Utility repair at intersection of SW OSAGE DR & SW RIVENGATE PL	12	-2' FG	1	7.7%	9.6%	Pass (A)	134.2	134.6	100%	Pass (A)
11	Utility repair at intersection of SW OSAGE DR & SW RIVENGATE PL	12	-1.5' FG	1	7.9%	9.6%	Pass (A)	130.2	134.6	97%	Pass (A)
12	Utility repair at intersection of SW OSAGE DR & SW RIVENGATE PL	12	-1' FG	1	8.5%	9.6%	Pass (A)	130.8	134.6	97%	Pass (A)

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Additional Comments

Soil backfill tested (Test #1) was high in moisture content, so removed and crushed limestone baserock was used for remainder of backfill tested..

TECHNICIAN: PHILLIP ANDERSON
Project Manager

REPORT DISTRIBUTION:
HANNAH
TRAVIS RUF
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PROJECT MANAGER