



Alpha Omega Geotech, Inc
1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Soil Nuclear Gauge

Report Date: 05/08/2024
Test Method: ASTM D 6938

Client:

Ward Development
1120 NW Eagle Ridge Blvd
Grain Valley, MO 64029

Project:

230529
Lakewood Business Center Lot 1
NE Maguire Blvd
Lee's Summit, MO 64064

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min/Max Comp. (%)	Optimum Moisture Tolerance (%)	Remark
40		05/08/24	446351		GP-GM	6.4	143.7	7.4	137.1	147.2	6	95	95 / 102	-3 / 3	DP/MP
41		05/08/24	446351		GP-GM	6.4	143.7	6.7	139.8	149.2	6	97	95 / 102	-3 / 3	DP/MP
42		05/08/24	446351		GP-GM	6.4	143.7	4.4	142.0	148.3	6	99	95 / 102	-3 / 3	DP/MP
43		05/08/24	446351		GP-GM	6.4	143.7	5.7	139.2	147.1	6	97	95 / 102	-3 / 3	DP/MP
44		05/08/24	446351		GP-GM	6.4	143.7	7.9	138.9	149.9	6	97	95 / 102	-3 / 3	DP/MP
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
40	Base Fill: Pavement: Continuation of NE Maguire blvd						968.1			Humboldt / 5001c / 1669 / 04/07/2023			Marcus Barnes		
41	Base Fill: Pavement: 35 meters NW of previous test						968.1			Humboldt / 5001c / 1669 / 04/07/2023			Marcus Barnes		
42	Base Fill: Pavement: 35 meters NW of previous test						968.1			Humboldt / 5001c / 1669 / 04/07/2023			Marcus Barnes		
43	Base Fill: Pavement: 35 meters NW of previous test						968.1			Humboldt / 5001c / 1669 / 04/07/2023			Marcus Barnes		
44	Base Fill: Pavement: 35 meters NW of previous test						968.1			Humboldt / 5001c / 1669 / 04/07/2023			Marcus Barnes		
Remarks					Comments										
DP/MP: Density Pass / Moisture Pass					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Reviewed by: Jeff Marquez

05/08/2024