



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

Soil Nuclear Gauge

Report Date: 02/26/2024
Test Method: ASTM D 6938

Client:

Tailor Made Exteriors
1610 SE Hamblen Rd
Lee's Summit, MO 64081

Project:

230445
TM Fieldhouse
1600 SE Hamblen Rd
Lees Summit, MO 64081

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
1		02/22/24	445557		CL/CH	20.8	102.1	22.0	99.1	120.9	6	97	95 / 102	-1 / 3	DP/MP
2		02/22/24	445557		CL/CH	20.8	102.1	22.0	108.5	132.4	6	106	95 / 102	-1 / 3	DF/MP
3		02/22/24	445557		CL/CH	20.8	102.1	22.7	101.0	123.9	6	99	95 / 102	-1 / 3	DP/MP
4		02/22/24	445557		CL/CH	20.8	102.1	22.2	105.1	128.4	6	103	95 / 102	-1 / 3	DF/MP
5		02/24/24	445557		CL/CH	20.8	102.1	12.8	106.6	120.2	6	104	95 / 102	-1 / 3	DF/MF
6		02/24/24	445557		CL/CH	20.8	102.1	20.4	104.0	125.2	6	102	95 / 102	-1 / 3	DP/MP
7		02/24/24	445557		CL/CH	20.8	102.1	21.9	107.7	131.3	6	105	95 / 102	-1 / 3	DF/MP
8		02/24/24	445557		CL/CH	20.8	102.1	21.5	92.8	112.8	6	91	95 / 102	-1 / 3	DF/MP
Test Information															
Test #	Test Location							Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
1	Structural Fill: Building Pad: SE corner approximately 5' from east line and 10' from south end									Humboldt / 5001ez / 5055 / 04/07/2023			Chase Behler		
2	Structural Fill: Building Pad: NE corner approximately 5' from east line and 10' from south end									Humboldt / 5001ez / 5055 / 04/07/2023			Chase Behler		
3	Structural Fill: Building Pad: SE corner approximately 5' from east line and 10' from south end									Humboldt / 5001ez / 5055 / 04/07/2023			Chase Behler		
4	Structural Fill: Building Pad: NE corner approximately 5' from east line and 10' from south end									Humboldt / 5001ez / 5055 / 04/07/2023			Chase Behler		
5	Structural Fill: Building Pad: NE corner of pad approximately 20' from east end and 15' from north end									Humboldt / 5001ez / 5055 / 04/07/2023			Chase Behler		
6	Structural Fill: Building Pad: north end of fill approximately 10' from north end and 50' from east edge									Humboldt / 5001ez / 5055 / 04/07/2023			Chase Behler		
7	Structural Fill: Building Pad: SW edge of fill approximately 20' from south end									Humboldt / 5001ez / 5055 / 04/07/2023			Chase Behler		
8	Structural Fill: Building Pad: SE edge of fill approximately 10' from south end and 10' from east end									Humboldt / 5001ez / 5055 / 04/07/2023			Chase Behler		



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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.
DF/MP: Density Fail / Moisture Pass	1: 2nd lift
DF/MF: Density Fail / Moisture Fail	2: 2nd Lift
	3: 1st lift
	5: Nobody on site - no proctor.
	6: Nobody on site - no proctor
	7, 8: No proctor - nobody on site

Reviewed by: William Connelly,
02/26/2024