



# Compaction Test Report

Report #: SNG-000039  
 Test Method: D6938 / T310

Client:  
 Hunt Midwest  
 8300 NE Underground Dr STE 100  
 Kansas City, MO 64161-9736

Project:  
 022-01838  
 The Retreat at Hook Farms Second Plat  
 Lee's Summit, MO

Olathe  
 1700 East 123rd Street  
 Olathe, KS 66061  
 Phone: 913-829-0078 | Fax: 913-829-0258

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
490		07/06/22	85632 - 5% Portland Cement	A	CL-CH	19.6	101.7	18.6	96.7	114.7	6	95	95 / 103	-2 / 3	A
491		07/06/22	85632 - 5% Portland Cement	A	CL-CH	19.6	101.7	18.8	102.2	121.4	6	100	95 / 103	-2 / 3	A
492		07/06/22	85632 - 5% Portland Cement	A	CL-CH	19.6	101.7	19.2	96.2	114.7	6	95	95 / 103	-2 / 3	A
493		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	13.8	108.1	123.0	6	100	95 / 103	-2 / 3	A
494		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	15.0	110.6	127.2	6	103	95 / 103	-2 / 3	A
495		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	13.8	106.9	121.7	6	99	95 / 103	-2 / 3	A
496		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	16.3	111.1	129.2	6	103	95 / 103	-2 / 3	A
497		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	15.2	108.2	124.6	6	100	95 / 103	-2 / 3	A

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
490	Stabilized Subgrade: SW Heartland Rd, Cul de Sac	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
491	Stabilized Subgrade: SW Heartland Rd, Sta. 21+00	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
492	Stabilized Subgrade: SW Heartland Rd, Sta. 20+00	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
493	Stabilized Subgrade: SW Heartland Rd, Sta. 19+00	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew



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**Project:**  
022-01838  
The Retreat at Hook Farms Second Plat  
Lee's Summit, MO

494	Stabilized Subgrade: SW Heartland Rd, Sta. 18+00	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
495	Stabilized Subgrade: SW Heartland Rd, Sta. 17+00	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
496	Stabilized Subgrade: SW Heartland Rd, Sta. 16+00	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
497	Stabilized Subgrade: SW Heartland Rd, Sta. 15+00	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew

Remarks	Comments
A: Tests results comply with specifications	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.



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498		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	15.4	104.1	120.1	6	97	95 / 103	-2 / 3	A
499		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	13.8	109.5	124.6	6	102	95 / 103	-2 / 3	A
500		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	17.7	104.6	123.1	6	97	95 / 103	-2 / 3	A
501		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	15.9	102.0	118.2	6	95	95 / 103	-2 / 3	A
502		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	17.3	103.6	121.5	6	96	95 / 103	-2 / 3	A
503		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	17.6	104.1	122.4	6	97	95 / 103	-2 / 3	A
504		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	17.0	103.0	120.5	6	96	95 / 103	-2 / 3	A
505		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	17.3	103.0	120.8	6	96	95 / 103	-2 / 3	A

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
498	Stabilized Subgrade: SW Heartland Rd, Sta. 14+00	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
499	Stabilized Subgrade: SW Heartland Rd, Sta. 13+00	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
500	Stabilized Subgrade: SW Heartland Rd, Sta. 12+00	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
501	Stabilized Subgrade: SW Heartland Rd, Sta. 11+00	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew



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022-01838  
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Lee's Summit, MO

502	Stabilized Subgrade: SW Crown Dr, Sta. 13+50	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
503	Stabilized Subgrade: SW Crown Dr, Sta. 12+50	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
504	Stabilized Subgrade: SW Crown Dr, Sta. 11+50	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
505	Stabilized Subgrade: SW Crown Dr, Sta. 10+50	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew

Remarks	Comments
A: Tests results comply with specifications	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.



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506		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	17.6	103.1	121.2	6	96	95 / 103	-2 / 3	A
507		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	15.9	106.2	123.1	6	99	95 / 103	-2 / 3	A
508		07/06/22	101826 - 5% Cement	A	Shale	15.7	107.8	17.6	104.3	122.7	6	97	95 / 103	-2 / 3	A

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
506	Stabilized Subgrade: SW Heartland Court, Sta. 14+50	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
507	Stabilized Subgrade: SW Heartland Court, Sta. 13+50	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew
508	Stabilized Subgrade: SW Heartland Court, Sta. 12+50	0.0	Grade	Instrotek, Inc. / Explorer 3500 / 4655 / 04/05/2022	Mitchel, Matthew

Remarks	Comments
A: Tests results comply with specifications	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.

Stewart Legg  
 Project Manager