



# Compaction Test Report

Client:

Report #: SNG-000003  
 Test Method: D6938 / T310

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

Project:

020-3232  
 Hunt Midwest The Retreat at Hook Farms  
 Lee's Summit, MO

Olathe  
 1700 East 123rd Street  
 Olathe,  
 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
111		12/7/20	80181	B	CL	16.1	105.4	16.2	105.3	122.4	8	100	95 / 103	0 / 4	A
112		12/7/20	80181	B	CL	16.1	105.4	16.1	107.4	124.7	8	102	95 / 103	0 / 4	A
113		12/7/20	80181	B	CL	16.1	105.4	16.2	104.3	121.2	8	99	95 / 103	0 / 4	A
114		12/7/20	80181	B	CL	16.1	105.4	16.3	105.4	122.6	8	100	95 / 103	0 / 4	A
125		12/2/20	80181	B	CL	16.1	105.4	14.2	99.7	113.9	8	95	95 / 103	-2 / 2	A
126		12/2/20	80960	A	CL-CH	20.0	96.0	20.5	96.0	115.7	8	100	95 / 103	-2 / 2	A
127		12/2/20	80181	B	CL	16.1	105.4	15.5	100.2	115.7	8	95	95 / 103	-2 / 2	A
150		12/8/20	80181	B	CL	16.1	105.4	14.5	107.1	122.6	8	102	95 / 103	-2 / 2	A

## Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
111	Mass Grading: SW Red Barn Road, STA 11+50	-3.0	Grade	Instrotek / 3500 / 3978 / 2/28/2020	McClure, Rigby
112	Mass Grading: SW Red Barn Road, STA 11+50	-2.0	Grade	Instrotek / 3500 / 3978 / 2/28/2020	McClure, Rigby
113	Mass Grading: SW Red Barn Road, STA 10+30	-3.0	Grade	Instrotek / 3500 / 3978 / 2/28/2020	McClure, Rigby
114	Mass Grading: SW Red Barn Road, STA 10+30	-2.0	Grade	Instrotek / 3500 / 3978 / 2/28/2020	McClure, Rigby
125	Mass Grading: SW Red Barn Road, STA 17+70	-2.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
126	Mass Grading: SW Red Barn Road, STA 11+00	-4.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
127	Mass Grading: SW Red Barn Road, STA 10+00	-4.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
150	Mass Grading: SW Red Barn Road, STA 10+00	-1.0	Grade	InstroTek, Inc. / 3500 / 3008 / 9/9/2016	Armstrong, Caleb

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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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
151		12/8/20	80181	B	CL	16.1	105.4	15.1	108.2	124.5	8	103	95 / 103	-2 / 2	A
152		12/8/20	80181	B	CL	16.1	105.4	17.4	104.5	122.7	8	99	95 / 103	-2 / 2	A
153		12/8/20	80181	B	CL	16.1	105.4	16.1	107.4	124.7	8	102	95 / 103	-2 / 2	A

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
151	Mass Grading: SW Red Barn Road, STA 10+00	0.0	Grade	InstroTek, Inc. / 3500 / 3008 / 9/9/2016	Armstrong, Caleb
152	Mass Grading: SW Red Barn Road, STA 11+00	-1.0	Grade	InstroTek, Inc. / 3500 / 3008 / 9/9/2016	Armstrong, Caleb
153	Mass Grading: SW Red Barn Road, STA 11+00	0.0	Grade	InstroTek, Inc. / 3500 / 3008 / 9/9/2016	Armstrong, Caleb

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