



Compaction Test Report

Report #: SNG-000002
 Test Method: D6938 / T310

Client:
 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
16		11/19/20	80181	B	CL	16.1	105.4	19.6	100.2	119.8	8	95	95 / 103	0 / 4	A
17		11/19/20	80181	B	CL	16.1	105.4	20.0	100.5	120.6	8	95	95 / 103	0 / 4	A
18		11/19/20	80181	B	CL	16.1	105.4	18.7	102.4	121.5	8	97	95 / 103	0 / 4	A
19		11/19/20	80181	B	CL	16.1	105.4	19.8	100.2	120.0	8	95	95 / 103	0 / 4	A
20		11/19/20	80181	B	CL	16.1	105.4	18.5	100.6	119.2	8	95	95 / 103	0 / 4	A
57		11/30/20	80180	B	CL-CH	18.5	103.2	19.3	101.4	121.0	8	98	95 / 103	0 / 4	A
58		11/30/20	80180	B	CL-CH	18.5	103.2	19.5	101.3	121.1	8	98	95 / 103	0 / 4	A
59		11/30/20	80180	B	CL-CH	18.5	103.2	18.6	101.8	120.7	8	99	95 / 103	0 / 4	A

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
16	Mass Grading: SW Hearthstone Place, STA 13+00	-3.0	Grade	InstroTek, Inc. / 3500 / 1975 / 5/11/2017	Fisher, Nathan
17	Mass Grading: SW Hearthstone Place, STA 14+00	-5.0	Grade	InstroTek, Inc. / 3500 / 1975 / 5/11/2017	Fisher, Nathan
18	Mass Grading: SW Hearthstone Place, STA 15+00	-7.0	Grade	InstroTek, Inc. / 3500 / 1975 / 5/11/2017	Fisher, Nathan
19	Mass Grading: SW Hearthstone Place, STA 15+00	-6.0	Grade	InstroTek, Inc. / 3500 / 1975 / 5/11/2017	Fisher, Nathan
20	Mass Grading: SW Hearthstone Place, STA 16+00	-4.0	Grade	InstroTek, Inc. / 3500 / 1975 / 5/11/2017	Fisher, Nathan
57	Mass Grading: SW Hearthstone Place, STA 13+00	-2.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	McClure, Rigby
58	Mass Grading: SW Hearthstone Place, STA 14+00	-2.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	McClure, Rigby
59	Mass Grading: SW Hearthstone Place, STA 15+00	-2.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	McClure, Rigby

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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92		12/1/20	80181	B	CL	16.1	105.4	15.0	100.1	115.1	8	95	95 / 103	-2 / 2	A
93		12/1/20	80181	B	CL	16.1	105.4	17.6	103.1	121.2	8	98	95 / 103	-2 / 2	A
94		12/1/20	80181	B	CL	16.1	105.4	17.9	103.5	122.0	8	98	95 / 103	-2 / 2	A
95		12/1/20	80181	B	CL	16.1	105.4	17.1	101.6	119.0	8	96	95 / 103	-2 / 2	A
96		12/1/20	80181	B	CL	16.1	105.4	17.5	104.7	123.0	8	99	95 / 103	-2 / 2	A
97		12/1/20	80960	A	CL-CH	20.0	96.0	19.2	98.5	117.4	8	103	95 / 103	-2 / 2	A
98		12/1/20	80960	A	CL-CH	20.0	96.0	22.0	94.6	115.4	8	99	95 / 103	-2 / 2	A
99		12/1/20	80181	B	CL	16.1	105.4	17.2	105.8	124.0	8	100	95 / 103	-2 / 2	A

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
92	Mass Grading: SW Hearthstone Place, STA 13+00	-2.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
93	Mass Grading: SW Hearthstone Place, STA 13+00	-1.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
94	Mass Grading: SW Hearthstone Place, STA 13+00	0.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
95	Mass Grading: SW Hearthstone Place, STA 14+00	-3.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
96	Mass Grading: SW Hearthstone Place, STA 15+00	-4.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
97	Mass Grading: SW Hearthstone Place, STA 16+00	-2.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
98	Mass Grading: SW Hearthstone Place, STA 16+00	-1.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
99	Mass Grading: SW Hearthstone Place, STA 16+00	-1.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	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 #	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
100		12/1/20	80960	A	CL-CH	20.0	96.0	21.9	98.8	120.4	8	103	95 / 103	-2 / 2	A
101		12/1/20	80181	B	CL	16.1	105.4	16.2	103.2	119.9	8	98	95 / 103	-2 / 2	A
102		12/1/20	80181	B	CL	16.1	105.4	18.0	105.2	124.1	8	100	95 / 103	-2 / 2	A
103		12/1/20	80181	B	CL	16.1	105.4	14.8	108.8	124.9	8	103	95 / 103	-2 / 2	A
110		12/1/20	80181	B	CL	16.1	105.4	16.8	105.1	122.8	8	100	95 / 103	-2 / 2	A
115		12/7/20	80181	B	CL	16.1	105.4	16.2	102.5	119.1	8	97	95 / 103	0 / 4	A
116		12/7/20	80181	B	CL	16.1	105.4	17.7	107.0	125.9	8	102	95 / 103	0 / 4	A
117		12/7/20	80181	B	CL	16.1	105.4	17.1	103.8	121.5	8	98	95 / 103	0 / 4	A

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
100	Mass Grading: SW Hearthstone Place, STA 14+00	-2.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
101	Mass Grading: SW Hearthstone Place, STA 14+00	-1.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
102	Mass Grading: SW Hearthstone Place, STA 15+00	-3.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
103	Mass Grading: SW Hearthstone Place, STA 15+00	-2.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
110	Mass Grading: SW Hearthstone Place, STA 12+00	0.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
115	Mass Grading: SW Hearthstone Place, STA 17+00	-1.0	Grade	Instrotek / 3500 / 3978 / 2/28/2020	McClure, Rigby
116	Mass Grading: SW Hearthstone Place, STA 16+00	0.0	Grade	Instrotek / 3500 / 3978 / 2/28/2020	McClure, Rigby
117	Mass Grading: SW Hearthstone Place, STA 15+00	-1.0	Grade	Instrotek / 3500 / 3978 / 2/28/2020	McClure, Rigby

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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118		12/7/20	80181	B	CL	16.1	105.4	16.8	104.8	122.4	8	99	95 / 103	0 / 4	A
124		12/2/20	80960	A	CL-CH	20.0	96.0	20.0	98.6	118.3	8	103	95 / 103	-2 / 2	A
158		12/8/20	80181	B	CL	16.1	105.4	14.9	106.8	122.7	8	101	95 / 103	-2 / 2	A

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
118	Mass Grading: SW Hearthstone Place, STA 14+00	0.0	Grade	Instrotek / 3500 / 3978 / 2/28/2020	McClure, Rigby
124	Mass Grading: SW Hearthstone Place, STA 15+00	-1.0	Grade	Instrotek / 3500 / 3986 / 3/5/2020	Armstrong, Caleb
158	Mass Grading: SW Hearthstone Place, STA 15+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