

Soil Nuclear Gauge

Report #: SNG-000016

Report Date: 12/7/2020

Test Method: ASTM D 6938

Client:

Ajax Building Corporation
1080 Commerce Blvd.
Midway, FL 32343

Project:

10117-1020031.000
Columbia County Detention Facility Materials
Testing

Jacksonville, Florida

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 Comp. (%)	Remark
90		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	111.4	120.2	8	99	95	DP/MP
91		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.1	110.3	119.2	8	98	95	DP/MP
92		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.9	107.9	117.5	8	96	95	DP/MP
93		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.2	109.0	117.9	8	97	95	DP/MP
94		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.8	109.2	117.7	8	97	95	DP/MP
95		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.0	110.4	119.2	8	98	95	DP/MP
96		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	109.8	118.5	8	97	95	DP/MP
97		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.1	108.0	116.7	8	96	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
90	Structural Fill: Building Pad: Approx. 9/A19						171.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
91	Structural Fill: Building Pad: Approx. 9/A10						171.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
92	Structural Fill: Building Pad: Approx. 6/A7						171.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
93	Structural Fill: Building Pad: Approx. 6.5/A15						171.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
94	Structural Fill: Building Pad: Approx. 2/A15						171.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
95	Structural Fill: Building Pad: Approx. 2/A7						171.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
96	Structural Fill: Building Pad: Approx. 8/A18						172.2	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
97	Structural Fill: Building Pad: Approx. 10/A11						172.2	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
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.										

Should the areas tested be subject to rain, freezing, or other adverse conditions, prior to paving, concreting, etc, NOVA recommends re-evaluation.

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98		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.8	108.8	117.3	8	96	95	DP/MP
99		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	110.7	119.4	8	98	95	DP/MP
100		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.4	110.4	119.7	8	98	95	DP/MP
101		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.5	106.9	116.0	8	95	95	DP/MP
102		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.7	110.4	120.0	8	98	95	DP/MP
103		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	10.6	109.4	121.0	8	97	95	DP/MP
104		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	108.6	117.2	8	96	95	DP/MP
105		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.0	111.0	119.9	8	98	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
98	Structural Fill: Building Pad: Approx. 6.5/A8						172.2	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
99	Structural Fill: Building Pad: Approx. 6/A17						172.2	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
100	Structural Fill: Building Pad: Approx. 3/A6						172.2	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
101	Structural Fill: Building Pad: Approx. 2/A20						172.2	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
102	Structural Fill: Building Pad: Approx. 5.5/A16						173.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
103	Structural Fill: Building Pad: Approx. 9.5/A15						173.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
104	Structural Fill: Building Pad: Approx. 8.5/A7						173.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
105	Structural Fill: Building Pad: Approx. 5/A5						173.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
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.										

Should the areas tested be subject to rain, freezing, or other adverse conditions, prior to paving, concreting, etc, NOVA recommends re-evaluation.

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106		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.8	110.4	120.1	8	98	95	DP/MP
107		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.8	107.8	116.2	8	96	95	DP/MP
108		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.1	109.3	118.2	8	97	95	DP/MP
109		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	107.8	116.3	8	96	95	DP/MP
110		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	10.3	111.8	123.3	8	99	95	DP/MP
111		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.0	108.9	117.6	8	97	95	DP/MP
112		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.8	107.4	115.8	8	95	95	DP/MP
113		12/4/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.1	107.4	116.1	8	95	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
106	Structural Fill: Building Pad: Approx. 2/A7						173.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
107	Structural Fill: Building Pad: Approx. 3/A16						173.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
108	Structural Fill: Building Pad: Approx. 6/A15						173.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
109	Structural Fill: Building Pad: Approx. 10/A14						173.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
110	Structural Fill: Building Pad: Approx. 8/A8						173.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
111	Structural Fill: Building Pad: Approx. 6.5/A6						173.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
112	Structural Fill: Building Pad: Approx. 2.5/A8						173.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
113	Structural Fill: Building Pad: Approx. 2.5/A8						173.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
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.										

Electronically signed and sealed by William L. Lawrence, P.E., Senior Regional Engineer on Dec 11, 2020 using a Digital Signature.

Should the areas tested be subject to rain, freezing, or other adverse conditions, prior to paving, concreting, etc, NOVA recommends re-evaluation.

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