

Soil Nuclear Gauge

Report #: SNG-000014

Report Date: 12/3/2020

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
50		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	10.2	108.7	119.8	8	96	95	DP/MP
51		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	9.9	107.9	118.6	8	96	95	DP/MP
52		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	109.1	117.7	8	97	95	DP/MP
53		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.8	108.5	117.0	8	96	95	DP/MP
54		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.2	107.9	116.8	8	96	95	DP/MP
55		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.0	108.7	117.4	8	96	95	DP/MP
56		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.1	106.6	115.2	8	95	95	DP/MP
57		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	106.6	115.0	8	95	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
50	Structural Fill: Building Pad: Approx. 8/A14						166.3	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
51	Structural Fill: Building Pad: Approx. 4/A13						166.3	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
52	Structural Fill: Building Pad: Approx. 4/A21						166.3	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
53	Structural Fill: Building Pad: Approx. 8/A20						166.3	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
54	Structural Fill: Building Pad: Approx. 9/A6						167.1	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
55	Structural Fill: Building Pad: Approx. 4/A7						167.1	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
56	Structural Fill: Building Pad: Approx. 5/A12.5						167.1	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
57	Structural Fill: Building Pad: Approx. 8/A12.5						167.1	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.

Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.

Information provided herein is intended for the sole and exclusive use of our Client unless other written agreement is entered into by NOVA and other parties.

Other recipients are provided this document for information purposes only and use of said information shall be at their sole risk. Report shall not be reproduced, except in full, without prior written consent of the agency.

Soil Nuclear Gauge

Report #: SNG-000014

Report Date: 12/3/2020

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
58		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.1	106.7	115.3	8	95	95	DP/MP
59		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.4	111.0	120.3	8	98	95	DP/MP
60		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	108.6	117.2	8	96	95	DP/MP
61		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.8	109.8	118.4	8	97	95	DP/MP
62		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.1	109.4	118.3	8	97	95	DP/MP
63		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.0	110.1	118.9	8	98	95	DP/MP
64		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.2	106.7	115.5	8	95	95	DP/MP
65		12/2/20	P-3 STANDARD	D698 A	SP-SM	9.8	116.7	8.4	110.8	120.1	12	95	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
58	Structural Fill: Building Pad: Approx. 4/A20						167.1	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
59	Structural Fill: Building Pad: Approx. 7/A19						167.1	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
60	Structural Fill: Building Pad: Approx. 8.5/A17						167.9	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
61	Structural Fill: Building Pad: Approx. 8.5/A9						167.9	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
62	Structural Fill: Building Pad: Approx. 5.5/A8						167.9	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
63	Structural Fill: Building Pad: Approx. 3/A5						167.9	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
64	Structural Fill: Building Pad: Approx. 2/A18						167.9	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
65	Utility Trench Backfill: Storm Sewer: West storm drain line						175.0	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.

Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.

Information provided herein is intended for the sole and exclusive use of our Client unless other written agreement is entered into by NOVA and other parties.

Other recipients are provided this document for information purposes only and use of said information shall be at their sole risk. Report shall not be reproduced, except in full, without prior written consent of the agency.

Soil Nuclear Gauge

Report #: SNG-000014

Report Date: 12/3/2020

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
66		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.5	108.7	117.9	8	96	95	DP/MP
67		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.5	108.4	117.6	8	96	95	DP/MP
68		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.3	107.5	116.4	8	95	95	DP/MP
69		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.6	108.7	118.1	8	96	95	DP/MP
70		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.1	107.3	116.0	8	95	95	DP/MP
71		12/2/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.2	109.9	118.9	8	97	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
66	Structural Fill: Building Pad: Approx. 9/A20						168.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
67	Structural Fill: Building Pad: Approx. 9/A4						168.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
68	Structural Fill: Building Pad: Approx. 6/A8						168.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
69	Structural Fill: Building Pad: Approx. 5.5/A17						168.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
70	Structural Fill: Building Pad: Approx. 1.5/A4						168.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
71	Structural Fill: Building Pad: Approx. 2/A20						168.6	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 04, 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.

Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.

Information provided herein is intended for the sole and exclusive use of our Client unless other written agreement is entered into by NOVA and other parties.

Other recipients are provided this document for information purposes only and use of said information shall be at their sole risk. Report shall not be reproduced, except in full, without prior written consent of the agency.