

Soil Nuclear Gauge

Report #: SNG-000015
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
72		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.0	109.4	118.1	8	97	95	DP/MP
73		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.2	108.3	117.2	8	96	95	DP/MP
74		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	9.7	107.5	117.9	8	95	95	DP/MP
75		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	109.7	118.4	8	97	95	DP/MP
76		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.3	112.2	121.5	8	99	95	DP/MP
77		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.1	108.1	116.9	8	96	95	DP/MP
78		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.5	109.2	118.5	8	97	95	DP/MP
79		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	111.1	119.9	8	98	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
72	Structural Fill: Building Pad: Approx. 8.5/A16						169.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
73	Structural Fill: Building Pad: Approx. 8.5/A7						169.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
74	Structural Fill: Building Pad: Approx. 6/A15						169.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
75	Structural Fill: Building Pad: Approx. 5.5/A9						169.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
76	Structural Fill: Building Pad: Approx. 2/A5						169.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
77	Structural Fill: Building Pad: Approx. 2/A17						169.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
78	Structural Fill: Building Pad: Approx. 10/A18						170.2	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
79	Structural Fill: Building Pad: Approx. 9/A8						170.2	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.										

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80		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.8	110.3	118.9	8	98	95	DP/MP
81		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.3	108.3	117.3	8	96	95	DP/MP
82		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.4	110.8	120.1	8	98	95	DP/MP
83		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.0	108.4	117.1	8	96	95	DP/MP
84		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	9.3	107.3	117.3	8	95	95	DP/MP
85		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	9.1	109.5	119.5	8	97	95	DP/MP
86		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.8	108.8	118.4	8	96	95	DP/MP
87		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	108.5	117.1	8	96	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
80	Structural Fill: Building Pad: Approx. 6/A9						170.2	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
81	Structural Fill: Building Pad: Approx. 6/A20						170.2	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
82	Structural Fill: Building Pad: Approx. 2/A10						170.2	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
83	Structural Fill: Building Pad: Approx. 3/A17						170.2	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
84	Structural Fill: Building Pad: Approx. 8.5/A15						171.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
85	Structural Fill: Building Pad: Approx. 8.5/A8						171.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
86	Structural Fill: Building Pad: Approx. 6/A6						171.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
87	Structural Fill: Building Pad: Approx. 6.5/A16						171.0	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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88		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.0	112.0	121.0	8	99	95	DP/MP
89		12/3/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.6	107.6	116.8	8	95	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
88	Structural Fill: Building Pad: Approx. 3/A4						171.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
89	Structural Fill: Building Pad: Approx. 2/A14						171.0	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.										

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