

Soil Nuclear Gauge

Report #: SNG-000017
Report Date: 12/9/2020
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
114		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.4	107.4	116.4	8	95	95	DP/MP
115		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.6	109.4	118.8	8	97	95	DP/MP
116		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	108.6	117.2	8	96	95	DP/MP
117		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	110.2	118.9	8	98	95	DP/MP
118		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.7	107.5	116.9	8	95	95	DP/MP
119		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.1	107.3	116.0	8	95	95	DP/MP
120		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	11.3	107.4	119.5	8	95	95	DP/MP
121		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	11.6	106.9	119.3	8	95	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
114	Structural Fill: Building Pad: Approx. 7/A15						174.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
115	Structural Fill: Building Pad: Approx. 7/A6						174.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
116	Structural Fill: Building Pad: Approx. 5.5/A16						174.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
117	Structural Fill: Building Pad: Approx. 2/A9						174.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
118	Structural Fill: Building Pad: Approx. 2/A19						174.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
119	Structural Fill: Building Pad: Approx. 5/8						174.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
120	Structural Fill: Building Pad: Approx. 10/A17						174.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
121	Structural Fill: Building Pad: Approx. 9/A7						174.6	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.										

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122		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	10.5	109.2	120.7	8	97	95	DP/MP
123		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	9.2	107.5	117.4	8	95	95	DP/MP
124		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	10.4	107.2	118.3	8	95	95	DP/MP
125		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.8	108.7	117.2	8	96	95	DP/MP
126		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.8	107.8	116.2	8	96	95	DP/MP
127		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.1	108.3	117.1	8	96	95	DP/MP
128		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.9	108.2	116.7	8	96	95	DP/MP
129		12/7/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.8	108.4	116.9	8	96	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
122	Structural Fill: Building Pad: Approx. 6/A16						174.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
123	Structural Fill: Building Pad: Approx. 6/A8						174.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
124	Structural Fill: Building Pad: Approx. 3/A7						174.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
125	Structural Fill: Building Pad: Approx. 2/A18						174.6	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
126	Structural Fill: Building Pad: Approx. 9/A20						175.1	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
127	Structural Fill: Building Pad: Approx. 10/A8						175.1	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
128	Structural Fill: Building Pad: Approx. 5/A5						175.1	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
129	Structural Fill: Building Pad: Approx. 6/A15						175.1	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.										

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130		12/7/20	P-3 STANDARD	D698 A	SP-SM	9.8	116.7	11.8	112.4	125.7	12	96	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
130	Utility Trench Backfill: Storm Sewer: South storm water sewer line at entrance						177.0	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.