

Soil Nuclear Gauge

Report #: SNG-000021
Report Date: 12/17/2020
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
163		12/11/20	P-5 MODIFIED	D1557 A	SP-SM	10.5	112.5	12.1	107.6	120.6	12	96	95	DP
164		12/11/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	5.7	110.8	117.1	12	98	95	DP
165		12/11/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	5.0	108.0	113.4	12	96	95	DP
166		12/11/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	6.3	110.8	117.8	12	98	95	DP
167		12/11/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	4.5	109.3	114.2	12	97	95	DP
168		12/11/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	5.3	109.8	115.6	12	97	95	DP
169		12/11/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	4.9	109.6	115.0	12	97	95	DP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
163	Utility Trench Backfill: Storm Sewer: 1 ft from NW corner of D05						176.3	MSL	Troxler / 3440 / 26060 /			Louis Roberts		
164	Structural Fill: Building Pad: Column Line 10 and Column Line A-21						178.4	MSL	Troxler / 3440 / 26060 /			Louis Roberts		
165	Structural Fill: Building Pad: Column CL-3 And Column A~21						178.4	MSL	Troxler / 3440 / 26060 /			Louis Roberts		
166	Structural Fill: Building Pad: Column Line # 3 and Column Line # A-21						178.4	MSL	Troxler / 3440 / 26060 /			Louis Roberts		
167	Structural Fill: Building Pad: Column Line CL 6 and Column Line A 13						178.4	MSL	Troxler / 3440 / 26060 /			Louis Roberts		
168	Structural Fill: Building Pad: Column Line 5 and Column Line A 13						178.4	MSL	Troxler / 3440 / 26060 /			Louis Roberts		
169	Structural Fill: Building Pad: Column Line CL 5 and Column Line A 4						178.4	MSL	Troxler / 3440 / 26060 /			Louis Roberts		
Remarks				Comments										
DP: Density 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 23, 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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