

## Soil Nuclear Gauge

**Report #:** SNG-000002  
**Report Date:** 10/14/2020  
**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
4		10/13/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	6.4	113.0	120.2	12	100	100	DP
5		10/13/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	6.4	113.9	121.2	12	101	100	DP
6		10/13/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	6.4	112.9	120.1	12	100	100	DP
7		10/13/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	6.4	112.8	120.0	12	100	100	DP
8		10/13/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	6.4	112.5	119.7	12	100	100	DP
Test Information														
Test #	Test Location							Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician	
4	Subgrade Fill: Approximately 189 feet South from Northeast corner close to Inlet 10							176.3	MSL	Troxler / 3440 / 20185 /			Raymond Easley	
5	Subgrade Fill: Approximately 62 feet South from Northeast corner close to Inlet 10							176.3	MSL	Troxler / 3440 / 20185 /			Raymond Easley	
6	Subgrade Fill: Approximately 61 feet North from Northeast corner close to Inlet 10							174.3	MSL	Troxler / 3440 / 20185 /			Raymond Easley	
7	Subgrade Fill: Approximately 28 feet North from Northeast corner close to Inlet 10							175.3	MSL	Troxler / 3440 / 20185 /			Raymond Easley	
8	Subgrade Fill: Approximately 41 feet North from Northeast corner close to Inlet 10							176.3	MSL	Troxler / 3440 / 20185 /			Raymond Easley	
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 Oct 16, 2020 using a Digital Signature.