

Drive Cylinder

Report #: DC-000002
Report Date: 10/27/2020
Test Method: ASTM D2937

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 Class.	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Wet Density (pcf)	In Place Dry Density (pcf)	Percent Compaction	Min Comp. (%)	Remark
1		10/26/20	P-3 MODI	D1557 A	SP-SM	8.3	118.0	5.3	123.4	117.2	99	95	DP
2		10/26/20	P-3 MODI	D1557 A	SP-SM	8.3	118.0	5.8	123.8	117.0	99	95	DP
3		10/26/20	P-3 MODI	D1557 A	SP-SM	8.3	118.0	6.4	125.0	117.5	100	95	DP
4		10/26/20	P-3 MODI	D1557 A	SP-SM	8.3	118.0	6.2	124.1	116.8	99	95	DP
5		10/26/20	P-3 MODI	D1557 A	SP-SM	8.3	118.0	6.5	124.7	117.1	99	95	DP
6		10/26/20	P-3 MODI	D1557 A	SP-SM	8.3	118.0	6.6	124.4	116.7	99	95	DP
7		10/26/20	P-3 MODI	D1557 A	SP-SM	8.3	118.0	6.9	124.4	116.3	99	95	DP
Test Information													
Test #	Test Location				Elevation	Reference	Drive Cylinder ID	Weight of Cylinder (lb)	Top Diameter (in)	Bottom Diameter (in)	Cylinder Height (in)	Volume of Cylinder (cf)	Field Technician
1	Utility Trench Backfill: Sanitary Sewer: Over sanitary sewer pipe leading from Structure S04 into Structure S03				175.0	MSL	TLH-1587-2	0.216	1.890	1.880	2.000	0.0032	Raymond Easley
2	Utility Trench Backfill: Sanitary Sewer: Over sanitary sewer pipe leading from Structure S04 into Structure S03				174.0	MSL	TLH-1587-2	0.216	1.890	1.880	2.000	0.0032	Raymond Easley
3	Utility Trench Backfill: Sanitary Sewer: Over sanitary sewer pipe leading from Structure S04 into Structure S03				173.0	MSL	TLH-1587-2	0.216	1.890	1.880	2.000	0.0032	Raymond Easley
4	Utility Trench Backfill: Sanitary Sewer: Over Sanitary sewer pipe leading from Structure S03 to Structure S02				176.0	MSL	TLH-1587-2	0.216	1.890	1.880	2.000	0.0032	Raymond Easley
5	Utility Trench Backfill: Sanitary Sewer: Over Sanitary sewer pipe leading from Structure S03 to Structure S02				175.0	MSL	TLH-1587-2	0.216	1.890	1.880	2.000	0.0032	Raymond Easley
6	Utility Trench Backfill: Sanitary Sewer: Over Sanitary sewer pipe leading from Structure S03 to Structure S02				174.0	MSL	TLH-1587-2	0.216	1.890	1.880	2.000	0.0032	Raymond Easley
7	Utility Trench Backfill: Sanitary Sewer: Over Sanitary sewer pipe leading from Structure S03 to Structure S02				173.0	MSL	TLH-1587-2	0.216	1.890	1.880	2.000	0.0032	Raymond Easley
Remarks						Comments					Related Tests		
DP: Density Pass											Test #	Related Test #	Test Type

Should the areas represented by passing tests this date be subject to rain, freezing, or other adverse conditions, prior to paving, concreting, placing additional lifts of fill, etc., NOVA recommends re-evaluation.

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Electronically signed and sealed by William L. Lawrence,
P.E., Senior Regional Engineer on Oct 30, 2020 using a
Digital Signature.

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