



Cole Garner Geotechnical
 1070 West 124th Ave
 Suite 300
 Westminster, CO 80234
 Phone: 303.996.2999

Soil Nuclear Gauge

Report Date: 9/17/2019
Test Method: ASTM D 6938

Client:

KB Home Colorado Inc.
 7807 East Peakview Avenue, Suite 300
 Centennial, CO 80111

Project:

19.23.042
 Trails at Crowfoot
 Crowfoot Valley Road and Bayou Gulch Road
 Parker, CO

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)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
361		9/12/19	4514	A	A-2	13.3	118.3	15.1	112.2	8	95	95	DP/MP
362		9/12/19	4514	A	A-2	13.3	118.3	13.6	112.5	8	95	95	DP/MP
363		9/12/19	4514	A	A-2	13.3	118.3	13.4	113.0	8	96	95	DP/MP
364		9/12/19	4514	A	A-2	13.3	118.3	13.6	112.9	8	95	95	DP/MP
365		9/12/19	4514	A	A-2	13.3	118.3	15.0	113.1	8	96	95	DP/MP
366		9/12/19	5121	A	A-6	13.2	115.8	15.1	110.3	8	95	95	DP/MP
367		9/12/19	4532	A	A-7	17.3	107.0	18.3	101.3	8	95	95	DP/MP
368		9/12/19	4512	A	A-7	20.8	103.0	21.1	99.3	8	96	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
361	Utility Backfill: Sanitary Sewer: MH-25 to MH-22 Mock Orange Ave Staions: 12+85.69 to 10+95. Test: Mock Orange Ave Staions: 13+30	-5.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
362	Utility Backfill: Sanitary Sewer: MH-25 to MH-22 Mock Orange Ave Staions: 12+85.69 to 10+95. Test: Mock Orange Ave Staions: 13+35	-4.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
363	Utility Backfill: Sanitary Sewer: MH-25 to MH-22 Mock Orange Ave Staions: 12+85.69 to 10+95. Test: Mock Orange Ave Staions: 13+40	-3.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
364	Utility Backfill: Sanitary Sewer: MH-25 to MH-22 Mock Orange Ave Staions: 12+85.69 to 10+95. Test: Mock Orange Ave Staions: 13+45	-2.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
365	Utility Backfill: Sanitary Sewer: MH-25 to MH-22 Mock Orange Ave Staions: 12+85.69 to 10+95. Test: Mock Orange Ave Staions: 13+55	-1.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
366	Utility Backfill: Sanitary Sewer: MH-25 to MH-22 Mock Orange Ave Staions: 12+85.69 to 10+95. Test: Mock Orange Ave Staions: 13+60	0.0	FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
367	Utility Backfill: Sanitary Sewer: MH-24 to MH-23, Filing 15 SS Northeast Stations: 11+08.11 to 11+54.20. Test: MH-24 to MH-23, Filing 15 SS Northeast Stations: 11+15	-5.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
368	Utility Backfill: Sanitary Sewer: MH-24 to MH-23, Filing 15 SS Northeast Stations: 11+08.11 to 11+54.20. Test: MH-24 to MH-23, Filing 15 SS Northeast Stations: 11+17	-4.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez



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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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370		9/12/19	5121	A	A-6	13.2	115.8	15.0	109.9	8	95	95	DP/MP
371		9/12/19	4514	A	A-2	13.3	118.3	14.4	111.8	8	95	95	DP/MP
372		9/12/19	4514	A	A-2	13.3	118.3	14.1	112.2	8	95	95	DP/MP

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
369	Utility Backfill: Sanitary Sewer: MH-24 to MH-23, Filing 15 SS Northeast Stations: 11+08.11 to 11+54.20. Test: MH-24 to MH-23, Filing 15 SS Northeast Stations: 11+19	-3.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
370	Utility Backfill: Sanitary Sewer: MH-24 to MH-23, Filing 15 SS Northeast Stations: 11+08.11 to 11+54.20. Test: MH-24 to MH-23, Filing 15 SS Northeast Stations: 11+21	-2.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
371	Utility Backfill: Sanitary Sewer: MH-24 to MH-23, Filing 15 SS Northeast Stations: 11+08.11 to 11+54.20. Test: MH-24 to MH-23, Filing 15 SS Northeast Stations: 11+23	-1.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
372	Utility Backfill: Sanitary Sewer: MH-24 to MH-23, Filing 15 SS Northeast Stations: 11+08.11 to 11+54.20. Test: MH-24 to MH-23, Filing 15 SS Northeast Stations: 11+30	0.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez

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.