



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

Soil Nuclear Gauge

Report Date: 9/23/2019
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
399		9/20/19	4559	A	A-7	17.0	110.2	17.5	104.6	8	95	95	DP/MP
400		9/20/19	5121	A	A-6	13.2	115.8	13.6	112.0	8	97	95	DP/MP
401		9/20/19	5121	A	A-6	13.2	115.8	14.3	110.1	8	95	95	DP/MP
402		9/20/19	5121	A	A-6	13.2	115.8	13.9	114.7	8	99	95	DP/MP
403		9/20/19	5121	A	A-6	13.2	115.8	15.2	111.5	8	96	95	DP/MP
404		9/20/19	4559	A	A-7	17.0	110.2	17.1	105.7	8	96	95	DP/MP
405		9/20/19	5121	A	A-6	13.2	115.8	13.9	109.7	8	95	95	DP/MP
406		9/20/19	5121	A	A-6	13.2	115.8	15.2	110.9	8	96	95	DP/MP

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
399	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: Back-fill For MH-22 (10+00), 5' South	-9.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
400	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: Back-fill For MH-22 (10+00), 5' South	-7.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
401	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: Back-fill For MH-22 (10+00), 10' South	-5.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
402	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: Back-fill For MH-22 (10+00), 10' South	-3.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
403	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: Back-fill For MH-22 (10+00), 10' South	-1.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
404	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: SS Line Filing 15 SS North Station: 10+50	-7.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
405	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: SS Line Filing 15 SS North Station: 10+50	-5.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
406	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: SS Line Filing 15 SS North Station: 10+50	-3.0	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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407		9/20/19	5121	A	A-6	13.2	115.8	13.8	110.0	8	95	95	DP/MP
408		9/20/19	5121	A	A-6	13.2	115.8	14.6	115.8	8	100	95	DP/MP
409		9/20/19	5121	A	A-6	13.2	115.8	13.9	110.8	8	96	95	DP/MP
410		9/20/19	5121	A	A-6	13.2	115.8	13.6	114.5	8	99	95	DP/MP
411		9/20/19	5121	A	A-6	13.2	115.8	14.0	112.0	8	97	95	DP/MP
Test Information													
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician	
407	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: Service to Block 1 Lot 24						-3.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019			Rob Lopez	
408	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: Service to Block 1 Lot 24						-1.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019			Rob Lopez	
409	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: Service to Block 1 Lot 22						-6.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019			Rob Lopez	
410	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: Service to Block 1 Lot 22						-5.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019			Rob Lopez	
411	Utility Backfill: Sanitary Sewer: Filing 15 SS North Stations: 10+00.00 to 10+84.00 (MH-22 to MH-14). Test: Service to Block 1 Lot 22						-4.0	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.							