



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

Soil Nuclear Gauge

Report Date: 10/1/2019
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
458		9/30/19	4533	A	A-7	17.1	111.6	18.0	109.7	8	98	95	DP/MP
459		9/30/19	4533	A	A-7	17.1	111.6	17.9	110.4	8	99	95	DP/MP
460		9/30/19	4533	A	A-7	17.1	111.6	17.1	108.2	8	97	95	DP/MP
461		9/30/19	4533	A	A-7	17.1	111.6	17.4	111.0	8	99	95	DP/MP
462		9/30/19	4533	A	A-7	17.1	111.6	19.0	106.4	8	95	95	DP/MP
463		9/30/19	4533	A	A-7	17.1	111.6	17.4	106.8	8	96	95	DP/MP
464		9/30/19	4533	A	A-7	17.1	111.6	17.5	109.9	8	98	95	DP/MP
465		9/30/19	4533	A	A-7	17.1	111.6	18.0	109.4	8	98	95	DP/MP

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
458	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: 2' N of SS MH-27 Sta:10+99.25	-11.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
459	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: N of SS MH-27 Sta:11+02	-9.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
460	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: N of SS MH-27 Sta:11+04	-8.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
461	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: N of SS MH-27 Sta:11+04	-7.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
462	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: S of SS MH-29 Sta:13+55	-8.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
463	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: S of SS MH-29 Sta:13+55	-6.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
464	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: S of SS MH-29 Sta:13+56	-5.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
465	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: S of SS MH-29 Sta:13+57	-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.



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

Soil Nuclear Gauge

Report Date: 10/1/2019
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
466		9/30/19	4533	A	A-7	17.1	111.6	19.1	106.4	8	95	95	DP/MP
467		9/30/19	4533	A	A-7	17.1	111.6	17.1	108.6	8	97	95	DP/MP
468		9/30/19	4533	A	A-7	17.1	111.6	17.1	106.1	8	95	95	DP/MP
469		9/30/19	4533	A	A-7	17.1	111.6	17.3	108.2	8	97	95	DP/MP
470		9/30/19	4533	A	A-7	17.1	111.6	17.1	109.4	8	98	95	DP/MP
471		9/30/19	4533	A	A-7	17.1	111.6	17.1	110.2	8	99	95	DP/MP
Test Information													
Test #	Test Location						Elevation	Reference	Gauge			Field Technician	
466	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: S of SS MH-29 Sta:13+60						-2.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019			Rob Lopez	
467	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: S of SS MH-29 Sta:13+61						-0.5	Down from FG	Troxler / 3440 / 63528 / 2/1/2019			Rob Lopez	
468	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: S of SS MH-12 Sta:15+77.25						-13.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019			Rob Lopez	
469	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: S of SS MH-12 Sta:15+79						-11.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019			Rob Lopez	
470	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: Service to Block 1 Lot 5						-8.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019			Rob Lopez	
471	Utility Backfill: Sanitary Sewer: Filing 15 SS West STA: 9+50 to 15+50 Test: Service to Block 1 Lot 5						-6.0	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.							