



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

Soil Nuclear Gauge

Report Date: 9/26/2019
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
412		9/23/19	5121	A	A-6	13.2	115.8	15.0	113.4	8	98	95	DP/MP
413		9/23/19	5121	A	A-6	13.2	115.8	13.2	115.5	8	100	95	DP/MP
414		9/23/19	5121	A	A-6	13.2	115.8	15.2	113.7	8	98	95	DP/MP
415		9/23/19	5121	A	A-6	13.2	115.8	14.2	111.6	8	96	95	DP/MP
416		9/23/19	5121	A	A-6	13.2	115.8	15.2	110.1	8	95	95	DP/MP
417		9/23/19	5121	A	A-6	13.2	115.8	15.0	110.1	8	95	95	DP/MP
418		9/23/19	5121	A	A-6	13.2	115.8	15.2	112.2	8	97	95	DP/MP
419		9/23/19	5121	A	A-6	13.2	115.8	14.7	113.0	8	98	95	DP/MP

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
412	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-31 Rock Daisy St. Station: 11+06, 5' South	-12.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
413	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-31 Rock Daisy St. Station: 11+06, 5' South	-11.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
414	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-31 Rock Daisy St. Station: 11+06, 5' South	-10.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
415	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-31 Rock Daisy St. Station: 11+06, 5' South	-8.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
416	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-31 Rock Daisy St. Station: 11+06, 5' West	-6.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
417	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-31 Rock Daisy St. Station: 11+06, 5' West	-4.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
418	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-31 Rock Daisy St. Station: 11+06, 5' West	-3.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
419	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-30 Rock Daisy St. Station: 11+43, 5' North	-11.0	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.



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420		9/23/19	5121	A	A-6	13.2	115.8	14.8	114.2	8	99	95	DP/MP
421		9/23/19	5121	A	A-6	13.2	115.8	13.5	109.9	8	95	95	DP/MP
422		9/23/19	5121	A	A-6	13.2	115.8	14.2	113.0	8	98	95	DP/MP
423		9/23/19	5121	A	A-6	13.2	115.8	13.5	114.4	8	99	95	DP/MP
424		9/23/19	5121	A	A-6	13.2	115.8	15.2	113.1	8	98	95	DP/MP
425		9/23/19	5121	A	A-6	13.2	115.8	14.1	116.0	8	100	95	DP/MP

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
420	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-30 Rock Daisy St. Station: 11+43, 5' North	-10.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
421	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-30 Rock Daisy St. Station: 11+43, 5' North	-9.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
422	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-30 Rock Daisy St. Station: 11+43, 5' North	-8.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
423	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-30 Rock Daisy St. Station: 11+43, 5' North	-6.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
424	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-30 Rock Daisy St. Station: 11+43, 5' E	-4.0	Down from FG	Troxler / 3440 / 63528 / 2/1/2019	Rob Lopez
425	Utility Backfill: Sanitary Sewer: Rock Daisy St. STA: 11+00 to 12+00. Test- Back-fill for MH-30 Rock Daisy St. Station: 11+43, 5' E	-2.0	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.