



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

Bituminous Density

Report Date: 9/9/2020
 Test Method:

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	Test Location	Material	Mix Design	Thickness (in)	Max Density (pcf)	Max Density Source	In Place Density (pcf)	Probe Depth (in)	Percent Comp.	Min/Max Comp. (%)	Remark	Gauge SN	Technician
1		7/13/20	25 - Asphalt - Parking Lot - Drive Isle: West parking area on Mock Orange Ave East side of parking area	Bottom Lift	5493	3	156.0	Supplied Value	144.1	Backscatter	92	92 / 96		2133	Gus Sorge
2		7/13/20	25 - Asphalt - Parking Lot - Drive Isle: West parking area on Mock Orange Ave West side of parking area	Bottom Lift	5493	3	156.0	Supplied Value	145.1	Backscatter	93	92 / 96		2133	Gus Sorge
3		7/13/20	25 - Asphalt - Parking Lot - Drive Isle: West end drive lane of Mock Orange Ave	Bottom Lift	5493	3	156.0	Supplied Value	144.0	Backscatter	92	92 / 96		2133	Gus Sorge
4		7/13/20	25 - Asphalt - Parking Lot - Drive Isle: East side of west parking in drive lane of Mock Orange Ave.	Bottom Lift	5493	3	156.0	Supplied Value	143.0	Backscatter	92	92 / 96		2133	Gus Sorge
5		7/13/20	25 - Asphalt - Parking Lot - Drive Isle: Drive lane on Mock Orange Ave at Mock Orange Way	Bottom Lift	5493	3	156.0	Supplied Value	147.4	Backscatter	94	92 / 96		2133	Gus Sorge
6		7/13/20	25 - Asphalt - Parking Lot - Drive Isle: East parking area on north side of Mock Orange Ave	Bottom Lift	5493	3	156.0	Supplied Value	144.9	Backscatter	93	92 / 96		2133	Gus Sorge
7		7/13/20	25 - Asphalt - Parking Lot - Drive Isle: East parking area on north side of Mock Orange Ave in drive lane	Bottom Lift	5493	3	156.0	Supplied Value	145.2	Backscatter	93	92 / 96		2133	Gus Sorge



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8		7/13/20	25 - Asphalt - Parking Lot - Drive Isle: Drive lane in curve on Mock Orange Ave and Mock Orange Ct.	Bottom Lift	5493	3	156.0	Supplied Value	143.5	Backscatter	92	92 / 96		2133	Gus Sorge
9		7/13/20	25 - Asphalt - Parking Lot - Drive Isle: On Mock Orange Ave between Alpine Phlox and Mock Orange Ct. in drive lane	Bottom Lift	5493	3	156.0	Supplied Value	145.2	Backscatter	93	92 / 96		2133	Gus Sorge
10		7/13/20	25 - Asphalt - Parking Lot - Drive Isle: West side of Rock Daisy St. which runs east and west	Bottom Lift	5493	3	156.0	Supplied Value	144.5	Backscatter	93	92 / 96		2133	Gus Sorge
11		7/13/20	25 - Asphalt - Parking Lot - Drive Isle: East side of Rock Daisy St. which runs east and west near Alpine Phlox St.	Bottom Lift	5493	3	156.0	Supplied Value	145.3	Backscatter	93	92 / 96		2133	Gus Sorge
12		8/11/20	25 - Asphalt - Roadway: Paving at Mock Orange Ave: Adjacent to Lot 22 Block 1	Top Lift	5462	2	156.1	Supplied Value	147.9	Backscatter	95	92 / 96		65677	Bela Pattiasina
13		8/11/20	25 - Asphalt - Roadway: Paving at Mock Orange Ave: Adjacent to Lot 3 Block 2	Top Lift	5462	2	156.1	Supplied Value	147.3	Backscatter	94	92 / 96		65677	Bela Pattiasina
14		8/11/20	25 - Asphalt - Roadway: Paving at Mock Orange Ave: Adjacent to Lot 24 Block 1	Top Lift	5462	2	156.1	Supplied Value	147.1	Backscatter	94	92 / 96		65677	Bela Pattiasina
15		8/11/20	25 - Asphalt - Roadway: Paving at Mock Orange Ave: Adjacent to Lot 26 Block 1	Top Lift	5462	2	156.1	Supplied Value	146.0	Backscatter	94	92 / 96		65677	Bela Pattiasina



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16		8/11/20	25 - Asphalt - Roadway: Paving at Mock Orange Ave: Adjacent to Track 1	Top Lift	5462	2	156.1	Supplied Value	147.1	Backscatter	94	92 / 96		65677	Bela Pattiasina
17		8/11/20	25 - Asphalt - Roadway: Paving at Rock Daisy Street: street West end	Top Lift	5462	2	156.1	Supplied Value	145.3	Backscatter	93	92 / 96		65677	Bela Pattiasina
18		8/11/20	25 - Asphalt - Roadway: Paving at Rock Daisy Street: street middle	Top Lift	5462	2	156.1	Supplied Value	144.6	Backscatter	93	92 / 96		65677	Bela Pattiasina
19		8/11/20	25 - Asphalt - Roadway: Paving at Rock Daisy Street: street East end	Top Lift	5462	2	156.1	Supplied Value	145.1	Backscatter	93	92 / 96		65677	Bela Pattiasina
Remarks								Comments							
								Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter"							
Gauge Information															
Gauge SN	Make	Model	Density Count	Moisture Count	Standard Count Date	Last Calibration Date	Last Calibrated By								
2133	Instrotek	Explorer 3500	2959	402	7/13/20	6/18/18	Instrotek								
65677	Troxler	3440	2137	681	8/11/20	6/21/18	Instrotek								