



Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 5/3/2021
Sample: 7452

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

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

Sample Details

Set #:	24	Technician:	Phil Aranda	Batched:	10:20 MDT
Specimen Size:	4" X 8"	Cast By:	Phil Aranda	Sampled:	11:12 MDT
Specimens In Set:	5	Date Cast:	04/02/21	Cast:	11:23 MDT
Truck / Ticket #:	136 / 84608193	Sampled From:	Chute	Truck Empty:	
Contractor:	PEI	Placement Method:	Chute	Placement Time:	

Location

Placement Location: 30 - Other Flatwork
Location Details: Crosspans at intersections of: Red Cosmos St & Red Cosmos Ct, Red Cosmos St & Rose Heath Ln, Red Cosmos St & Rose Heath Rd, Red Cosmos Pt & Zinnia Ct
Sample Location / Notes: Crossspan at intersections of Red Cosmos St & Red Cosmos Ct

Batch Log

Supplier:	Aggregate Industries	Mix Design:	7456120	Strength:	4500 (psi)
On-Site Admixtures:	20.00 Gal Water (10 yd ³)			Air:	5.0 - 8.0 (%)
				Slump:	3 - 5 (in)

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	5 (ASTM C143)	Plastic Unit Weight:	137.0 (lb/ft ³) (ASTM C138)
Air Temperature (F):	65	Concrete Temp (F):	72 (ASTM C1064)	Air Content:	8.0 (ASTM C231)
				Load Volume:	10 (yd ³)

Lab Test Results

Testing Lab: Cole Garner Westminster, 1070 W 124th Avenue, Suite 300, Westminster, CO, 80234

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
24-1	7	04/09/21	2 / 5	4.00	12.57	46,500	3,700	3		N
24-2	28	04/30/21	2 / 26	4.00	12.57	58,070	4,620	3	PS	N
24-3	28	04/30/21	2 / 26	4.00	12.57	58,110	4,620	5	PS	N
24-4	28	04/30/21	2 / 26	4.00	12.57	60,590	4,820	3	PS	N
24-5	28 H	04/30/21	2 / 26							

Test Age Average Strengths (psi): 28 Day - 4690

Capping Methods

PS: The break result meets or exceeds 100% of the required strength. Tested By: Mitchell Ellsmore (1,2,3,4,5)	N: Unbonded Caps (ASTM C1231)
Checked In : 04/04/2021 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6