

Client: Todd Nordstrom
 Nordstrom Commercial Builders
 1755 Liggett Road
 Castle Rock, CO 80109

South Chambers Road & Hess Road Project

Report Date: Dec 21, 2021
 Work Order Date: Nov 22, 2021

Work Order No.: 21-4164.Concrete.0034; ver: 3
 Reviewed by: Tyeson Weston

Concrete

Concrete Contractor: Nordstrom Commercial Builders
 Placement Method: Tailgated
 Total Quantity Placed: 10 yd³
 Placement Location: Sidewalk at intersection of Sliceroo Dr and Hess Rd, see attachment

Performed by: Ben Roberts
 Finish Method: Hand Finished
 Weather: Sunny

On-site Notifications, Specification, and Mix Information

On-Site Notification(s)	Item / Structure Type	Test	Specified	Mix Design
Todd Nordstrom with Nordstrom Commercial Builders	Sidewalk / Curb and Gutter	Air Content (%)	5 to 8	-
		Slump (in)	2 to 4	-
	Aggregate Industries 7456122	Unit Weight (pcf)	-	-
		Comp. Strength (psi)	4500	-

Sampling (ASTM C172 / AASHTO R60 / CDOT CP61)

Sample No.	Location	Sampled From	Quantity (yd ³)	Truck No.	Ticket No.	Batch Time	Test Time	Air Temp. (°F)	Water Added (gal)
33	Location 1	Point of Delivery	10	9221	62319174	6:25 AM	7:18 AM	55	15

Field Tests (ASTM C138, C143, C231, and C1064 / AASHTO T119, T121, and T152)

Sample No.	Concrete Temp. (°F)	Slump (in)	Air Cont. (%)	Meas. Vol. (ft ³)	Empty Meas. (lb)	Full Meas. (lb)	Unit Wt. (pcf)	Lab Samples Cast
33	70	4	6.2	.249	7.94	43.23	141.7	Yes

Compressive Strength (ASTM C31 and C39 / AASHTO T22 and T23)

Sample No.	Lab ID	Age (d)	Diameter (in)	Area (in ²)	Fracture Type	Max. Load (lb-f)	Corrected Strength (psi)	Strength at Acceptance (psi)
33	C4080	7	4.00	12.57	2 / Cone & Split	63,260	5,030	-
	C4081	28	4.00	12.57	2 / Cone & Split	73,880	5,880	5,880
	C4082	28	4.00	12.57	5 / Side	69,120	5,500	5,500
	C4083	28	4.00	12.57	5 / Side	68,570	5,460	5,460
Average Compressive Strength (psi):							5,610	

Results apply only to the specific items and locations referenced and at the time of testing, observations or special inspections. Unless noted otherwise, specimens were received in adequate condition. Compressive strength specimens, if tested, were capped in accordance with ASTM C1231 or ASTM C617, as applicable. This report should not be reproduced, except in full, without the written permission of GROUND Engineering Consultants, Inc.

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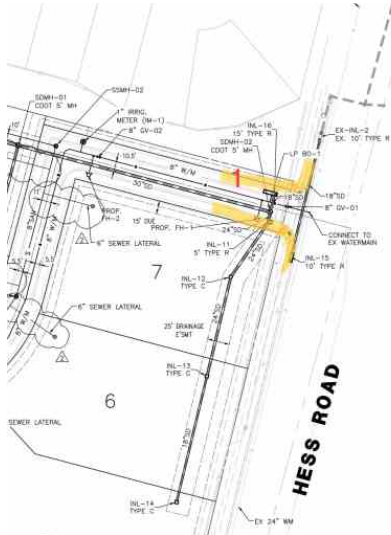
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Photos



Area in yellow represents work area, red number represents test location



Sidewalk placement

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