

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

South Chambers Road & Hess Road Project

Report Date: Dec 22, 2021
 Work Order Date: Nov 23, 2021

Work Order No.: 21-4164.Concrete.0036; ver: 3
 Reviewed by: Tyeson Weston

Concrete

Concrete Contractor: NCB LLC
 Placement Method: Tailgated
 Total Quantity Placed: 8 yd³
 Placement Location: ADA Ramp entrance from Sliceroo Dr to Hess STA 11+00 - 10+50, L of CL
 Comments: Refer to storm plans for stationing

Performed by: Davonte Fuller
 Finish Method: Trowel Finished|Hand Finished
 Weather: Partly Sunny|Mostly Cloudy

On-site Notifications, Specification, and Mix Information

Item / Structure Type	Test	Specified	Mix Design
Sidewalk / Curb and Gutter	Air Content (%)	5 to 8	-
	Slump (in)	2 to 4	-
Mix Placed	Unit Weight (pcf)	-	-
Concrete Direct 7456122	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)
35	STA 10+60, L of CL	Point of Placement	8	160	62319318	2:40 PM	3:45 PM	70	0

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
35	78	3	6.5	.250	8.62	44.15	142.1	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)
35	C4105	7	4.00	12.57	5 / Side	60,840	4,840	-
	C4106	28	4.00	12.57	3 / Columnar	70,790	5,630	5,630
	C4107	28	4.00	12.57	5 / Side	74,670	5,940	5,940
	C4108	28	4.00	12.57	5 / Side	70,910	5,640	5,640
Average Compressive Strength (psi):								5,740

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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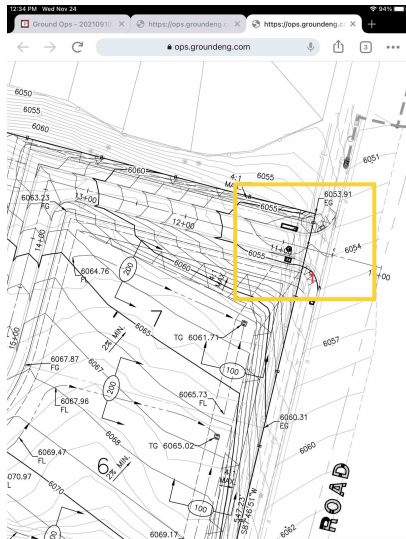
Photos



Pouring the ADA Ramp and hand finishing



Location of cylinder samples opposite the ADA Ramp



Test location AdA Ramp

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