

Client: Dave Gish  
 Widefield School District 3  
 1820 Main Street  
 Colorado Springs, CO 80911

## Webster Elementary School Addition & Alterations

Report Date: May 9, 2023  
 Work Order Date: Apr 10, 2023

Work Order No.: 22-8500.Concrete.0051; ver: 3  
 Reviewed by: Josiah Johnson

### Concrete

Concrete Contractor: Gonzalez Concrete  
 Placement Method: Tailgated  
 Total Quantity Placed: 7.50 yd<sup>3</sup>  
 Placement Location: Forebays and storm detention channel  
 Comments: No mix design provided. Air and slump specifications provided by Steve Buellesbach with Nunn Construction. Air 5-8%, Slump 2.5-5".

Performed by: Nick Davidson  
 Finish Method: Vibrated- Internally|Hand Finished|Trowel Finished  
 Weather: Sunny

### On-site Notifications, Specification, and Mix Information

On-Site Notification(s)	Item / Structure Type	Test	Specified	Mix Design
Steve Buellesbach with Nunn Construction	General Concrete	Air Content (%)	-	-
	Mix Placed	Slump (in)	-	-
	Transit Mix T34592110	Unit Weight (pcf)	-	-
		Comp. Strength (psi)	-	-

### Sampling (ASTM C172 / AASHTO R60 / CDOT CP61)

Sample No.	Location	Sampled From	Quantity (yd <sup>3</sup> )	Truck No.	Ticket No.	Batch Time	Test Time	Air Temp. (°F)	Water Added (gal)
50	See attachment for test location 1	Point of Placement	7.50	33	86505162	8:40 AM	9:39 AM	50	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 <sup>3</sup> )	Empty Meas. (lb)	Full Meas. (lb)	Unit Wt. (pcf)	Lab Samples Cast
50	80	3.5	6.4	.250	7.76	42.56	139.2	Yes

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

Sample No.	Lab ID	Age (d)	Diameter (in)	Area (in <sup>2</sup> )	Fracture Type	Max. Load (lb-f)	Corrected Strength (psi)	Strength at Acceptance (psi)
50	C5046	7	4.00	12.57	5 / Side	51,570	4,100	-
	C5047	28	4.00	12.57	5 / Side	66,980	5,330	5,330
	C5048	28	4.00	12.57	5 / Side	61,250	4,870	4,870
	C5049	28	4.00	12.57	5 / Side	66,850	5,320	5,320
<b>Average Compressive Strength (psi):</b>							<b>5,170</b>	

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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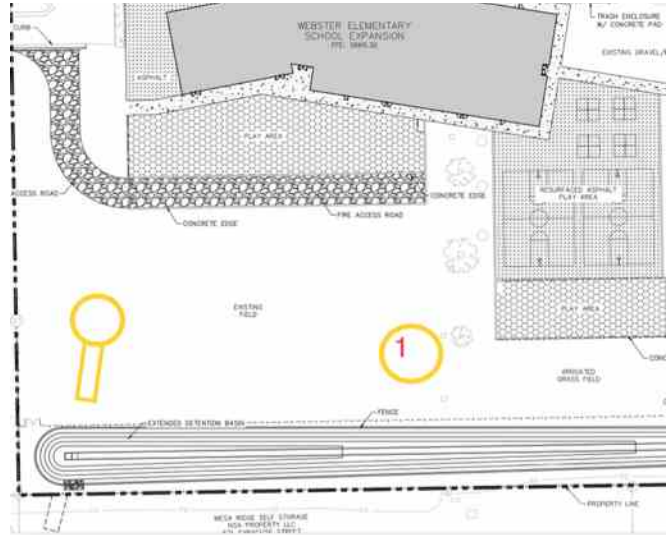
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#### Photos



Forebay and storm detention channel



Yellow represents forebay and storm detention channel and red number represents test location