

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

Webster Elementary School Addition & Alterations

Report Date: May 12, 2023
 Work Order Date: Apr 14, 2023

Work Order No.: 22-8500.Concrete.0053; ver: 3
 Reviewed by: Daniel Crea

Concrete

Concrete Contractor: Performed by: Sheldon Long
 Placement Method: Tailgated Finish Method: Vibrated- Internally|Hand Finished
 Total Quantity Placed: 2 yd³ Weather: Mostly Cloudy|Calm
 Placement Location: Trickle Channel Outlet Slab Location 1 Attached
 Comments: As directed by Steve Buellesbach with Nunn Construction, we performed concrete testing at the trickle channel. No mix design provided. Air and slump specifications provided by Steve Buellesbach with Nunn Construction. Air 5-8%, Slump 2.5-5".

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 (%)	-	-
		Slump (in)	-	-
	Mix Placed	Unit Weight (pcf)	-	-
	Transit T3459211	Comp. Strength (psi)	-	-

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)
52	Trickle Channel Outlet Slab Location 1 Attached	Point of Delivery	2	352	86717007	9:50 AM	10:35 AM	45	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
52	70	5	5.0	.250	7.93	42.28	137.4	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)
52	C5161	7	4.00	12.57	5 / Side	58,760	4,680	-
	C5162	28	4.00	12.57	5 / Side	74,560	5,930	5,930
	C5163	28	4.00	12.57	5 / Side	75,900	6,040	6,040
	C5164	28	4.00	12.57	5 / Side	73,310	5,830	5,830
Average Compressive Strength (psi):							5,930	

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.

Webster Elementary School Addition & Alterations

Report Date: May 12, 2023

Work Order No.: 22-8500.Concrete.0053; ver: 3

Work Order Date: Apr 14, 2023

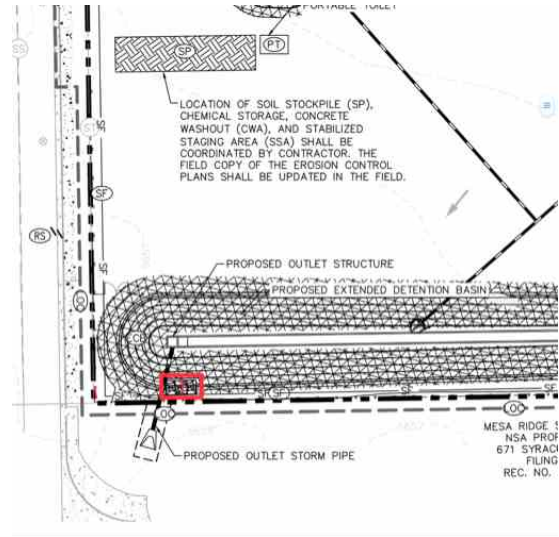
Reviewed by: Daniel Crea

Concrete

Photos



Placement Location



Location 1 Attached