Compression Test Report

Report No: 195345-2024-07-12-12-28C

Date: 06/14/24

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.12C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Pete Lien	Slump (in.):	4.50
Truck No.	20-00327	Ambient Air Temp. (F):	0
Ticket No.	108615	Mix Temp. (F):	79
Mix Design No.:	10D321	Air Content (%):	6.1
Sampled By:	Edward Skelton	Wet Density (PCF):	136.9
Batch Time:	7:00 am	Water added (gal - UNO):	
Time of Test:	7:50 am	Specified Strength (psi):	3,200
Time in Truck:	50 min		
Comments:			

Compressive Strengths

Project Set No.: 12

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.00	06/14/24	06/21/24	7	4.00	8.00	1.00	12.57	137.5	5	40,970	3,260	3,260	3,260
B	8.01	06/14/24	07/12/24	28	4.00	8.00	1.00	12.57	137.6	5	54,920	4,370	4,370	4,240
C	8.02	06/14/24	07/12/24	28	4.00	8.00	1.00	12.57	137.8	5	50,030	3,980	3,980	
D	7.99	06/14/24	07/12/24	28	4.00	8.00	1.00	12.57	137.3	5	55,060	4,380	4,380	

Specimen E, Cast on 06/14/24 has not been tested.

Test Location: Storm Drain/Inlet, Structure #1

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-11-13-13-28C

Date: 10/16/24

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.13C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	5.00
Truck No.	63	Ambient Air Temp. (F):	38
Ticket No.	86744407	Mix Temp. (F):	70
Mix Design No.:	T346821	Air Content (%):	5.6
Sampled By:	Thomas Elder	Wet Density (PCF):	144.2
Batch Time:	7:20 am	Water added (gal - UNO):	0
Time of Test:	8:10 am	Specified Strength (psi):	4,500
Time in Truck:	50 min		
Comments:			

Compressive Strengths

Project Set No.: 13

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.46	10/16/24	10/23/24	7	4.00	8.00	1.00	12.57	145.4	5	48,910	3,890	3,890	3,890
B	8.41	10/16/24	11/13/24	28	4.00	8.00	1.00	12.57	144.5	5	56,830	4,520	4,520	4,760
C	8.49	10/16/24	11/13/24	28	4.00	8.00	1.00	12.57	145.9	5	60,050	4,780	4,780	
D	8.42	10/16/24	11/13/24	28	4.00	8.00	1.00	12.57	144.7	5	62,430	4,970	4,970	

Specimen E, Cast on 10/16/24 has not been tested.

Test Location: C&G, Lemon Grass North

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-12-16-14-56C

Date: 10/21/24

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.14C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	4.00
Truck No.	22	Ambient Air Temp. (F):	46
Ticket No.	86744618	Mix Temp. (F):	70
Mix Design No.:	T34532110	Air Content (%):	7.8
Sampled By:	Jason Stockley	Wet Density (PCF):	138.6
Batch Time:	9:20 am	Water added (gal - UNO):	
Time of Test:	10:05 am	Specified Strength (psi):	4,500
Time in Truck:	45 min		
Comments:			

Compressive Strengths

Project Set No.: 14

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.01	10/21/24	10/28/24	7	4.00	8.00	1.00	12.57	137.6	5	41,100	3,270	3,270	3,270
B	8.07	10/21/24	11/18/24	28	4.00	8.00	1.00	12.57	138.7	3	49,830	3,960	3,960	4,070
C	8.01	10/21/24	11/18/24	28	4.00	8.00	1.00	12.57	137.6	5	52,540	4,180	4,180	
D	8.02	10/21/24	12/16/24	56	4.00	8.00	1.00	12.57	137.8	5	56,940	4,530	4,530	4,630
E	8.07	10/21/24	12/16/24	56	4.00	8.00	1.00	12.57	138.7	5	59,450	4,730	4,730	

Test Location: C&G, Lemon Grass rd & Silky Thread Rd

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-12-17-15-56C

Date: 10/22/24

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.15C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	6.00
Truck No.	34	Ambient Air Temp. (F):	7
Ticket No.	86744685	Mix Temp. (F):	70
Mix Design No.:	T34532110	Air Content (%):	7.7
Sampled By:	Jason Stockley	Wet Density (PCF):	138.8
Batch Time:	9:30 am	Water added (gal - UNO):	
Time of Test:	10:15 am	Specified Strength (psi):	4,500
Time in Truck:	45 min		
Comments:			

Compressive Strengths

Project Set No.: 15

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.11	10/22/24	10/29/24	7	4.00	8.00	1.00	12.57	139.4	5	38,790	3,090	3,090	3,090
B	8.04	10/22/24	11/19/24	21	4.00	8.00	1.00	12.57	138.2	5	47,970	3,820	3,820	3,880
C	8.04	10/22/24	11/19/24	21	4.00	8.00	1.00	12.57	138.2	5	49,590	3,950	3,950	
D	8.02	10/22/24	12/17/24	56	4.00	8.00	1.00	12.57	137.8	5	56,850	4,520	4,520	4,580
E	7.98	10/22/24	12/17/24	56	4.00	8.00	1.00	12.57	137.1	5	58,340	4,640	4,640	

Test Location: C&G, Lemon Grass Rd STA 1+25, right of center line

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-12-18-16-56C

Date: 10/23/24

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.16C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	5.50
Truck No.	352	Ambient Air Temp. (F):	61
Ticket No.	86744775	Mix Temp. (F):	70
Mix Design No.:	T3452110	Air Content (%):	5.4
Sampled By:	Thomas Elder	Wet Density (PCF):	140.6
Batch Time:	9:15 am	Water added (gal - UNO):	
Time of Test:	10:00 am	Specified Strength (psi):	4,500
Time in Truck:	45 min		
Comments:			

Compressive Strengths

Project Set No.: 16

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.09	10/23/24	10/30/24	7	4.00	8.00	1.00	12.57	139.0	5	45,180	3,590	3,590	3,590
B	8.05	10/23/24	11/20/24	28	4.00	8.00	1.00	12.57	138.3	5	55,940	4,450	4,450	4,280
C	8.05	10/23/24	11/20/24	28	4.00	8.00	1.00	12.57	138.3	5	51,810	4,120	4,120	
D	8.11	10/23/24	12/18/24	56	4.00	8.00	1.00	12.57	139.4	5	59,930	4,770	4,770	4,800
E	8.07	10/23/24	12/18/24	56	4.00	8.00	1.00	12.57	138.7	5	60,890	4,840	4,840	

Test Location: C&G, STA 4+75 West C&G, Lemongrass

Respectfully submitted,

RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-12-19-17-56C

Date: 10/24/24

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.17C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	8.00
Truck No.	48	Ambient Air Temp. (F):	73
Ticket No.	86744857	Mix Temp. (F):	72
Mix Design No.:	T34532110	Air Content (%):	5.0
Sampled By:	Thomas Elder	Wet Density (PCF):	141.4
Batch Time:	11:35 am	Water added (gal - UNO):	
Time of Test:	12:15 pm	Specified Strength (psi):	4,500
Time in Truck:	40 min		
Comments:			

Compressive Strengths

Project Set No.: 17

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.26	10/24/24	10/31/24	7	4.00	8.00	1.00	12.57	141.9	5	46,680	3,710	3,710	3,710
B	8.16	10/24/24	11/21/24	28	4.00	8.00	1.00	12.57	140.2	5	54,110	4,300	4,300	4,400
C	8.23	10/24/24	11/21/24	28	4.00	8.00	1.00	12.57	141.4	5	56,590	4,500	4,500	
D	8.15	10/24/24	12/19/24	56	4.00	8.00	1.00	12.57	140.0	5	59,640	4,740	4,740	4,730
E	8.22	10/24/24	12/19/24	56	4.00	8.00	1.00	12.57	141.3	5	59,390	4,720	4,720	

Test Location: Other, Crosspan @ Lemongrass and Bentgrass North

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2025-03-27-18-28C

Date: 02/27/25

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.18C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	5.00
Truck No.	68	Ambient Air Temp. (F):	29
Ticket No.	86748574	Mix Temp. (F):	69
Mix Design No.:	T34532110	Air Content (%):	6.4
Sampled By:	Jared Dirkes	Wet Density (PCF):	146.2
Batch Time:	8:18 am	Water added (gal - UNO):	0
Time of Test:	9:10 am	Specified Strength (psi):	4,500
Time in Truck:	52 min		
Comments:			

Compressive Strengths

Project Set No.: 18

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.18	02/27/25	03/06/25	7	4.00	8.00	1.00	12.57	140.6	5	48,610	3,870	3,870	3,870
B	8.21	02/27/25	03/27/25	28	4.00	8.00	1.00	12.57	141.1	5	56,250	4,470	4,470	4,730
C	8.19	02/27/25	03/27/25	28	4.00	8.00	1.00	12.57	140.7	5	61,590	4,900	4,900	
D	8.23	02/27/25	03/27/25	28	4.00	8.00	1.00	12.57	141.4	5	60,770	4,830	4,830	

Specimen E, Cast on 02/27/25 has not been tested.

Test Location: Sidewalk, Sidewalks on Lemon grass rd STA 5+25 and 4+50

Respectfully submitted,

RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2025-03-31-19-28C

Date: 03/03/25

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.19C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	5.50
Truck No.	46	Ambient Air Temp. (F):	56
Ticket No.	86748730	Mix Temp. (F):	75
Mix Design No.:	T34532110	Air Content (%):	5.0
Sampled By:	Justin Weyant	Wet Density (PCF):	141.2
Batch Time:	11:20 am	Water added (gal - UNO):	0
Time of Test:	12:00 pm	Specified Strength (psi):	4,500
Time in Truck:	40 min		
Comments:			

Compressive Strengths

Project Set No.: 19

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.29	03/03/25	03/10/25	7	4.00	8.00	1.00	12.57	142.5	5	45,540	3,620	3,620	3,620
B	8.24	03/03/25	03/31/25	28	4.00	8.00	1.00	12.57	141.6	5	58,410	4,650	4,650	4,640
C	8.26	03/03/25	03/31/25	28	4.00	8.00	1.00	12.57	141.9	5	59,730	4,750	4,750	
D	8.23	03/03/25	03/31/25	28	4.00	8.00	1.00	12.57	141.4	5	56,910	4,530	4,530	

Specimen E, Cast on 03/03/25 has not been tested.

Test Location: Sidewalk, Lemongrass Road STA (west of centerline)

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2025-04-02-20-28C

Date: 03/05/25

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.20C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Hoclim	Slump (in.):	6.00
Truck No.	350	Ambient Air Temp. (F):	35
Ticket No.	86748781	Mix Temp. (F):	74
Mix Design No.:	T34532110	Air Content (%):	5.5
Sampled By:	Justin Weyant	Wet Density (PCF):	140.6
Batch Time:	10:19 am	Water added (gal - UNO):	0
Time of Test:	10:58 am	Specified Strength (psi):	4,500
Time in Truck:	39 min		
Comments:			

Compressive Strengths

Project Set No.: 20

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.19	03/05/25	03/12/25	7	4.00	8.00	1.00	12.57	140.7	5	50,970	4,050	4,050	4,050
B	8.18	03/05/25	04/02/25	28	4.00	8.00	1.00	12.57	140.6	5	59,110	4,700	4,700	4,590
C	8.17	03/05/25	04/02/25	28	4.00	8.00	1.00	12.57	140.4	5	56,290	4,480	4,480	
D	8.17	03/05/25	04/02/25	28	4.00	8.00	1.00	12.57	140.4	5	57,850	4,600	4,600	

Specimen E, Cast on 03/05/25 has not been tested.

Test Location: Sidewalk, Lemongrass Road STA 0+50 (west of centerline)

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2025-05-01-21-56C

Date: 03/06/25

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.21C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	6.50
Truck No.	64	Ambient Air Temp. (F):	47
Ticket No.	86748866	Mix Temp. (F):	72
Mix Design No.:	T34532110	Air Content (%):	5.5
Sampled By:	Justin Weyant	Wet Density (PCF):	140.7
Batch Time:	12:40 pm	Water added (gal - UNO):	0
Time of Test:	1:03 pm	Specified Strength (psi):	4,500
Time in Truck:	23 min		
Comments:			

Compressive Strengths

Project Set No.: 21

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.24	03/06/25	03/13/25	7	4.00	8.00	1.00	12.57	141.6	5	46,260	3,680	3,680	3,680
B	8.31	03/06/25	04/03/25	28	4.00	8.00	1.00	12.57	142.8	5	53,500	4,260	4,260	4,440
C	8.27	03/06/25	04/03/25	28	4.00	8.00	1.00	12.57	142.1	3	58,020	4,620	4,620	
D	8.26	03/06/25	05/01/25	56	4.00	8.00	1.00	12.57	141.9	5	66,400	5,280	5,280	5,500
E	8.24	03/06/25	05/01/25	56	4.00	8.00	1.00	12.57	141.6	5	71,730	5,710	5,710	

Test Location: C&G, Lemon Grass Road STA 2+15 (curb and gutter)

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2025-04-07-22-28C

Date: 03/10/25

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.22C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	4.75
Truck No.	28	Ambient Air Temp. (F):	35
Ticket No.	86748940	Mix Temp. (F):	69
Mix Design No.:	T34532110	Air Content (%):	5.2
Sampled By:	Thomas Elder	Wet Density (PCF):	141.4
Batch Time:	7:21 am	Water added (gal - UNO):	10
Time of Test:	8:30 am	Specified Strength (psi):	4,500
Time in Truck:	69 min		
Comments:	+20oz of air		

Compressive Strengths

Project Set No.: 22

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.28	03/10/25	03/17/25	7	4.00	8.00	1.00	12.57	142.3	5	50,660	4,030	4,030	4,030
B	8.25	03/10/25	04/07/25	28	4.00	8.00	1.00	12.57	141.8	5	58,020	4,620	4,620	4,760
C	8.23	03/10/25	04/07/25	28	4.00	8.00	1.00	12.57	141.4	5	62,880	5,000	5,000	
D	8.24	03/10/25	04/07/25	28	4.00	8.00	1.00	12.57	141.6	5	58,600	4,660	4,660	

Specimen E, Cast on 03/10/25 has not been tested.

Test Location: Sidewalk, East side of lemon grass middle section

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2025-04-07-23-28C

Date: 03/10/25

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.23C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	6.50
Truck No.	392	Ambient Air Temp. (F):	51
Ticket No.	86748968	Mix Temp. (F):	79
Mix Design No.:	T34532110	Air Content (%):	5.0
Sampled By:	Thomas Elder	Wet Density (PCF):	140.2
Batch Time:	11:30 am	Water added (gal - UNO):	0
Time of Test:	12:00 pm	Specified Strength (psi):	4,500
Time in Truck:	30 min		
Comments:			

Compressive Strengths

Project Set No.: 23

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.28	03/10/25	03/17/25	7	4.00	8.00	1.00	12.57	142.3	5	49,220	3,920	3,920	3,920
B	8.29	03/10/25	04/07/25	28	4.00	8.00	1.00	12.57	142.5	5	62,730	4,990	4,990	5,020
C	8.27	03/10/25	04/07/25	28	4.00	8.00	1.00	12.57	142.1	5	61,500	4,890	4,890	
D	8.29	03/10/25	04/07/25	28	4.00	8.00	1.00	12.57	142.5	5	64,990	5,170	5,170	

Specimen E, Cast on 03/10/25 has not been tested.

Test Location: Sidewalk, Lemongrass and Willmore Dr

Respectfully submitted,

RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2025-04-08-24-28C

Date: 03/11/25

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.24C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	4.00
Truck No.	54	Ambient Air Temp. (F):	42
Ticket No.	86749020	Mix Temp. (F):	74
Mix Design No.:	T34592110	Air Content (%):	6.4
Sampled By:	Thomas Elder	Wet Density (PCF):	139.0
Batch Time:	8:21 am	Water added (gal - UNO):	0
Time of Test:	9:00 am	Specified Strength (psi):	4,500
Time in Truck:	39 min		
Comments:			

Compressive Strengths

Project Set No.: 24

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.08	03/11/25	03/18/25	7	4.00	8.00	1.00	12.57	138.8	5	46,990	3,740	3,740	3,740
B	8.13	03/11/25	04/08/25	28	4.00	8.00	1.00	12.57	139.7	5	58,100	4,620	4,620	4,630
C	8.13	03/11/25	04/08/25	28	4.00	8.00	1.00	12.57	139.7	5	58,070	4,620	4,620	
D	8.13	03/11/25	04/08/25	28	4.00	8.00	1.00	12.57	139.7	5	58,430	4,650	4,650	

Specimen E, Cast on 03/11/25 has not been tested.

Test Location: Sidewalk, Sidewalk south of most NW light post on lemongrass

Respectfully submitted,

RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2025-05-07-25-56C

Date: 03/12/25

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.25C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	7.00
Truck No.	54	Ambient Air Temp. (F):	40
Ticket No.	86749020	Mix Temp. (F):	7
Mix Design No.:	T34592110	Air Content (%):	7.0
Sampled By:	Thomas Elder	Wet Density (PCF):	139.4
Batch Time:	8:21 am	Water added (gal - UNO):	0
Time of Test:	9:15 am	Specified Strength (psi):	4,500
Time in Truck:	54 min		
Comments:			

Compressive Strengths

Project Set No.: 25

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.36	03/12/25	03/19/25	7	4.00	8.00	1.00	12.57	143.7	5	44,550	3,540	3,540	3,540
B	8.10	03/12/25	04/09/25	28	4.00	8.00	1.00	12.57	139.2	5	55,590	4,420	4,420	4,350
C	8.10	03/12/25	04/09/25	28	4.00	8.00	1.00	12.57	139.2	5	53,830	4,280	4,280	
D	8.13	03/12/25	05/07/25	56	4.00	8.00	1.00	12.57	139.7	5	60,690	4,830	4,830	4,850
E	8.15	03/12/25	05/07/25	56	4.00	8.00	1.00	12.57	140.0	5	61,210	4,870	4,870	

Test Location: Sidewalk, SW Sidewalk Henzlee pl x Sophia LN

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2025-05-07-26-56C

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Date: 03/12/25

Job No: 195345.26C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Holcim	Slump (in.):	4.75
Truck No.	52	Ambient Air Temp. (F):	55
Ticket No.	86749150	Mix Temp. (F):	7
Mix Design No.:	t34592110	Air Content (%):	7.2
Sampled By:	Thomas Elder	Wet Density (PCF):	139.0
Batch Time:	1:32 pm	Water added (gal - UNO):	0
Time of Test:	2:00 pm	Specified Strength (psi):	4,500
Time in Truck:	28 min		
Comments:			

Compressive Strengths

Project Set No.: 26

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.17	03/12/25	03/19/25	7	4.00	8.00	1.00	12.57	140.4	5	45,920	3,650	3,650	3,650
B	8.12	03/12/25	04/09/25	28	4.00	8.00	1.00	12.57	139.5	5	57,680	4,590	4,590	4,370
C	8.15	03/12/25	04/09/25	28	4.00	8.00	1.00	12.57	140.0	5	52,130	4,150	4,150	
D	8.15	03/12/25	05/07/25	56	4.00	8.00	1.00	12.57	140.0	3	65,580	5,220	5,220	5,220
E	8.22	03/12/25	05/07/25	56	4.00	8.00	1.00	12.57	141.3	5	65,520	5,210	5,210	

Test Location: Sidewalk, NE sidewalk at Lemon Grass and Bent Grass Meadows

Respectfully submitted,

RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2026-01-08-27-28C

Date: 12/11/25

Client: Challenger Colorado, LLC
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.27C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Amrize	Slump (in.):	4.00
Truck No.	351	Ambient Air Temp. (F):	49
Ticket No.	71407830	Mix Temp. (F):	68
Mix Design No.:	T34592110	Air Content (%):	6.8
Sampled By:	Jason Stockley	Wet Density (PCF):	137.3
Batch Time:	9:17 am	Water added (gal - UNO):	0
Time of Test:	10:02 am	Specified Strength (psi):	4,500
Time in Truck:	45 min		
Comments:			

Compressive Strengths

Project Set No.: 27

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.02	12/11/25	12/18/25	7	4.00	8.00	1.00	12.57	137.8	5	39,960	3,180	3,180	3,190
B	8.05	12/11/25	12/18/25	7	4.00	8.00	1.00	12.57	138.3	5	40,230	3,200	3,200	
C	8.07	12/11/25	01/08/26	28	4.00	8.00	1.00	12.57	138.7	5	45,940	3,650	3,650	3,790
D	8.07	12/11/25	01/08/26	28	4.00	8.00	1.00	12.57	138.7	5	49,420	3,930	3,930	

Specimen E, Cast on 12/11/25 has not been tested.

Test Location: Sidewalk, 8282 Henzlee Pl - 5's from SE corner of driveway

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2025-12-26-28-7C

Date: 12/19/25

Client: Challenger Colorado, LLC
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.28C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Amrize	Slump (in.):	5.25
Truck No.	85	Ambient Air Temp. (F):	60
Ticket No.	86640213	Mix Temp. (F):	77
Mix Design No.:	T34592110	Air Content (%):	5.0
Sampled By:	Alex Walton	Wet Density (PCF):	138.6
Batch Time:	11:05 pm	Water added (gal - UNO):	0
Time of Test:	12:13 pm	Specified Strength (psi):	4,500
Time in Truck:	- 652 min		
Comments:			

Compressive Strengths

Project Set No.: 28

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.24	12/19/25	12/26/25	7	4.00	8.00	1.00	12.57	141.6	3	49,740	3,960	3,960	4,140
B	8.24	12/19/25	12/26/25	7	4.00	8.00	1.00	12.57	141.6	5	54,360	4,320	4,320	

Specimen C, Cast on 12/19/25 has not been tested.

Specimen D, Cast on 12/19/25 has not been tested.

Specimen E, Cast on 12/19/25 has not been tested.

Test Location: Sidewalk, 10’S x 4’E from SE corner of driveway 8290 (sidewalk)

Respectfully submitted,

RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2026-03-10-29-28C

Date: 02/10/26

Client: Challenger Colorado, LLC
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.29C

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Concrete Cylinder

Material Supplier:	Amrize	Slump (in.):	4.50
Truck No.	348	Ambient Air Temp. (F):	37
Ticket No.	71409474	Mix Temp. (F):	68
Mix Design No.:	T34592110	Air Content (%):	5.0
Sampled By:	Alex Walton	Wet Density (PCF):	141.0
Batch Time:	11:54 pm	Water added (gal - UNO):	0
Time of Test:	12:35 pm	Specified Strength (psi):	4,500
Time in Truck:	- 679 min		
Comments:			

Compressive Strengths

Project Set No.: 29

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)	Density (PCF)	Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	8.21	02/10/26	02/17/26	7	4.00	8.00	1.00	12.57	141.1	5	48,140	3,830	3,830	3,990
B	8.19	02/10/26	02/17/26	7	4.00	8.00	1.00	12.57	140.7	5	52,200	4,150	4,150	
C	8.21	02/10/26	03/10/26	28	4.00	8.00	1.00	12.57	141.1	5	69,740	5,550	5,550	5,520
D	8.18	02/10/26	03/10/26	28	4.00	8.00	1.00	12.57	140.6	5	69,050	5,490	5,490	

Specimen E, Cast on 02/10/26 has not been tested.

Test Location: Sidewalk, 8'N x 3'W from SW corner of driveway way 8275 Henzlee place. Sidewalk

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-04-29-1-28G

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Date: 04/01/24

Job No: 195345.1G

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Engineers / Architects

Testing of Grout Cylinder

Material Supplier:	Pete Lien	Slump (in.):	5.00
Truck No.	20-00310	Ambient Air Temp. (F):	35
Ticket No.	67345	Mix Temp. (F):	70
Mix Design No.:	10D321	Air Content (%):	6.7
Sampled By:	Jason Stockley	Wet Density (PCF):	135.6
Batch Time:	7:49 am	Water added (gal - UNO):	
Time of Test:	8:18 am	Specified Strength (psi):	3,200
Time in Truck:	29 min		
Comments:			

Compressive Strengths

Project Set No.: 1

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)		Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	7.82	04/01/24	04/08/24	7	4.00	8.00	1.00	12.57		5	40,270	3,200	3,200	3,200
B	7.80	04/01/24	04/29/24	28	4.00	8.00	1.00	12.57		3	59,980	4,770	4,770	4,680
C	7.74	04/01/24	04/29/24	28	4.00	8.00	1.00	12.57		5	57,950	4,610	4,610	
D	7.77	04/01/24	04/29/24	28	4.00	8.00	1.00	12.57		5	58,470	4,650	4,650	

Specimen E, Cast on 04/01/24 has not been tested.

Test Location: Wall, Structure One cover wall

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-05-09-2-28G

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Date: 04/11/24

Job No: 195345.2G

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Engineers / Architects

Testing of Grout Cylinder

Material Supplier:	Pete Lien	Slump (in.):	5.00
Truck No.	20/00326	Ambient Air Temp. (F):	39
Ticket No.	100421	Mix Temp. (F):	70
Mix Design No.:	10D321	Air Content (%):	6.5
Sampled By:	Jason Stockley	Wet Density (PCF):	152.5
Batch Time:	7:49 am	Water added (gal - UNO):	0
Time of Test:	9:03 am	Specified Strength (psi):	3,200
Time in Truck:	74 min		
Comments:			

Compressive Strengths

Project Set No.: 2

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)		Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	7.68	04/11/24	04/18/24	7	4.00	8.00	1.00	12.57		5	38,810	3,090	3,090	3,090
B	7.65	04/11/24	05/09/24	28	4.00	8.00	1.00	12.57		5	54,260	4,320	4,320	4,060
C	7.68	04/11/24	05/09/24	28	4.00	8.00	1.00	12.57		5	48,350	3,850	3,850	
D	7.66	04/11/24	05/09/24	28	4.00	8.00	1.00	12.57		5	50,250	4,000	4,000	

Specimen E, Cast on 04/11/24 has not been tested.

Test Location: Wall, Cover wall at structure 2

Respectfully submitted,

RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-05-20-3-28G

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Date: 04/22/24

Job No: 195345.3G

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Engineers / Architects

Testing of Grout Cylinder

Material Supplier:	Pete Lien	Slump (in.):	5.00
Truck No.	324	Ambient Air Temp. (F):	48
Ticket No.	101603	Mix Temp. (F):	72
Mix Design No.:	10D321	Air Content (%):	7.0
Sampled By:	Adam Albertson	Wet Density (PCF):	133.6
Batch Time:	7:44 am	Water added (gal - UNO):	
Time of Test:	8:15 am	Specified Strength (psi):	3,200
Time in Truck:	31 min		
Comments:			

Compressive Strengths

Project Set No.: 3

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)		Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	7.70	04/22/24	04/29/24	7	4.00	8.00	1.00	12.57		3	42,990	3,420	3,420	3,420
B	7.74	04/22/24	05/20/24	28	4.00	8.00	1.00	12.57		5	54,020	4,300	4,300	4,200
C	7.71	04/22/24	05/20/24	28	4.00	8.00	1.00	12.57		5	55,570	4,420	4,420	
D	7.73	04/22/24	05/20/24	28	4.00	8.00	1.00	12.57		5	48,630	3,870	3,870	

Specimen E, Cast on 04/22/24 has not been tested.

Test Location: Other, Rip - Rap for detention pond NE corner

Respectfully submitted,

RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-05-22-4-28G

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Date: 04/24/24

Job No: 195345.4G

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Engineers / Architects

Testing of Grout Cylinder

Material Supplier:	Pete Lien	Slump (in.):	5.00
Truck No.	20-00307	Ambient Air Temp. (F):	68
Ticket No.	102103	Mix Temp. (F):	70
Mix Design No.:	10D321	Air Content (%):	7.5
Sampled By:	Jason Stockley	Wet Density (PCF):	131.7
Batch Time:	12:44 pm	Water added (gal - UNO):	
Time of Test:	1:40 pm	Specified Strength (psi):	3,200
Time in Truck:	56 min		
Comments:			

Compressive Strengths

Project Set No.: 4

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)		Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	7.58	04/24/24	05/01/24	7	4.00	8.00	1.00	12.57		5	34,650	2,760	2,760	2,760
B	7.61	04/24/24	05/22/24	28	4.00	8.00	1.00	12.57		5	47,820	3,800	3,800	3,860
C	7.62	04/24/24	05/22/24	28	4.00	8.00	1.00	12.57		5	48,900	3,890	3,890	
D	7.60	04/24/24	05/22/24	28	4.00	8.00	1.00	12.57		5	48,770	3,880	3,880	

Specimen E, Cast on 04/24/24 has not been tested.

Test Location: Wall, Structure #4 - South side of Bent Grass Meadows

Respectfully submitted,

RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-05-30-5-28G

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Date: 05/02/24

Job No: 195345.5G

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Engineers / Architects

Testing of Grout Cylinder

Material Supplier:	Pete Lien	Slump (in.):	5.00
Truck No.	20-00309	Ambient Air Temp. (F):	37
Ticket No.	103078	Mix Temp. (F):	75
Mix Design No.:	10D321	Air Content (%):	7.5
Sampled By:	Jason Stockley	Wet Density (PCF):	130.9
Batch Time:	7:23 am	Water added (gal - UNO):	
Time of Test:	8:10 am	Specified Strength (psi):	3,200
Time in Truck:	47 min		
Comments:			

Compressive Strengths

Project Set No.: 5

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)		Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	7.61	05/02/24	05/09/24	7	4.00	8.00	1.00	12.57		3	33,370	2,650	2,650	2,650
B	7.62	05/02/24	05/30/24	28	4.00	8.00	1.00	12.57		5	45,950	3,660	3,660	3,770
C	7.64	05/02/24	05/30/24	28	4.00	8.00	1.00	12.57		5	49,810	3,960	3,960	
D	7.59	05/02/24	05/30/24	28	4.00	8.00	1.00	12.57		5	46,500	3,700	3,700	

Specimen E, Cast on 05/02/24 has not been tested.

Test Location: Wall, Cut off wall structure #3

Respectfully submitted,

RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

REVISED COPY

Report No: 195345-2024-06-03-6-28G-REV-1

Date: 05/06/24

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.6G

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Grout Cylinder

Material Supplier:	Pete Lien	Slump (in.):	5.50
Truck No.	20	Ambient Air Temp. (F):	45
Ticket No.	103420	Mix Temp. (F):	67
Mix Design No.:	100321	Air Content (%):	5.5
Sampled By:	Adam Albertson	Wet Density (PCF):	138.9
Batch Time:	7:35 am	Water added (gal - UNO):	
Time of Test:	8:30 am	Specified Strength (psi):	3,200
Time in Truck:	55 min		
Comments:			

Compressive Strengths

Project Set No.: 6

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)		Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	7.79	05/06/24	05/13/24	7	4.00	8.00	1.00	12.57		5	33,000	2,630	2,630	2,630
B	7.76	05/06/24	06/03/24	28	4.00	8.00	1.00	12.57		5	47,910	0	0	2,680
C	7.81	05/06/24	06/03/24	28	4.00	8.00	1.00	12.57		5	49,380	3,930	3,930	
D	7.77	05/06/24	06/03/24	28	4.00	8.00	1.00	12.57		5	51,640	4,110	4,110	

Specimen E, Cast on 05/06/24 has not been tested.

Revision Notes: Changed Material Type from Grout Prism to Grout Cylinder

Test Location: Storm Drain/Inlet, Cuttoff chanel south of bent grass east of Hanzlee

Respectfully submitted,

RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-06-06-7-28G

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Date: 05/09/24

Job No: 195345.7G

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Engineers / Architects

Testing of Grout Cylinder

Material Supplier:	PLS	Slump (in.):	4.50
Truck No.	20-00311	Ambient Air Temp. (F):	41
Ticket No.	103782	Mix Temp. (F):	68
Mix Design No.:	10D321	Air Content (%):	7.4
Sampled By:	David Sellon	Wet Density (PCF):	137.0
Batch Time:	7:27 am	Water added (gal - UNO):	
Time of Test:	8:15 am	Specified Strength (psi):	3,200
Time in Truck:	48 min		
Comments:			

Compressive Strengths

Project Set No.: 7

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)		Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	7.93	05/09/24	05/16/24	7	4.00	8.00	1.00	12.57		5	57,980	4,610	4,610	4,610
B	8.03	05/09/24	06/06/24	28	4.00	8.00	1.00	12.57		5	80,640	6,420	6,420	5,980
C	8.01	05/09/24	06/06/24	28	4.00	8.00	1.00	12.57		5	73,460	5,840	5,840	
D	8.01	05/09/24	06/06/24	28	4.00	8.00	1.00	12.57		5	71,220	5,670	5,670	

Specimen E, Cast on 05/09/24 has not been tested.

Test Location: storm channel, Rip rap structure

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-06-14-8-28G

Date: 05/17/24

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.8G

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Grout Cylinder

Material Supplier:	Pete Lien	Slump (in.):	5.50
Truck No.	20-00318	Ambient Air Temp. (F):	72
Ticket No.	104783	Mix Temp. (F):	77
Mix Design No.:	100321	Air Content (%):	7.4
Sampled By:	Jason Stockley	Wet Density (PCF):	134.2
Batch Time:	10:15 am	Water added (gal - UNO):	0
Time of Test:	11:08 am	Specified Strength (psi):	3,200
Time in Truck:	53 min		
Comments:			

Compressive Strengths

Project Set No.: 8

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)		Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	7.92	05/17/24	05/24/24	-6	4.00	8.00	1.00	12.57		5	45,240	3,600	3,600	3,600
B	7.93	05/17/24	06/14/24	28	4.00	8.00	1.00	12.57		5	63,560	5,060	5,060	4,960
C	7.90	05/17/24	06/14/24	28	4.00	8.00	1.00	12.57		5	60,710	4,830	4,830	
D	7.94	05/17/24	06/14/24	28	4.00	8.00	1.00	12.57		5	62,770	4,990	4,990	

Specimen E, Cast on 05/17/24 has not been tested.

Test Location: Wall, Structure four boulders

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-06-25-9-28G

Date: 05/28/24

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.9G

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Grout Cylinder

Material Supplier:	Pete Lien	Slump (in.):	5.00
Truck No.	20-00308	Ambient Air Temp. (F):	69
Ticket No.	105822	Mix Temp. (F):	72
Mix Design No.:	10D321	Air Content (%):	7.2
Sampled By:	Jason Stockley	Wet Density (PCF):	135.7
Batch Time:	7:31 am	Water added (gal - UNO):	
Time of Test:	8:29 am	Specified Strength (psi):	3,200
Time in Truck:	58 min		
Comments:			

Compressive Strengths

Project Set No.: 9

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)		Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	7.99	05/28/24	06/04/24	7	4.00	8.00	1.00	12.57		5	42,170	3,350	3,350	3,350
B	8.06	05/28/24	06/25/24	28	4.00	8.00	1.00	12.57		5	77,310	6,150	6,150	6,030
C	7.98	05/28/24	06/25/24	28	4.00	8.00	1.00	12.57		5	74,150	5,900	5,900	
D	8.01	05/28/24	06/25/24	28	4.00	8.00	1.00	12.57		5	76,110	6,050	6,050	

Specimen E, Cast on 05/28/24 has not been tested.

Test Location: Wall, Cut-off wall #6

Respectfully submitted,

RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-07-02-10-28G

Date: 06/04/24

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.10G

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Grout Cylinder

Material Supplier:	PLS	Slump (in.):	5.00
Truck No.	20-00311	Ambient Air Temp. (F):	77
Ticket No.	106935	Mix Temp. (F):	72
Mix Design No.:	10D321	Air Content (%):	7.8
Sampled By:	David Sellon	Wet Density (PCF):	131.9
Batch Time:	9:34 am	Water added (gal - UNO):	
Time of Test:	10:30 am	Specified Strength (psi):	3,200
Time in Truck:	56 min		
Comments:			

Compressive Strengths

Project Set No.: 10

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)		Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	7.66	06/04/24	06/11/24	7	4.00	8.00	1.00	12.57		5	40,070	3,190	3,190	3,190
B	7.71	06/04/24	07/02/24	28	4.00	8.00	1.00	12.57		5	44,970	3,580	3,580	3,830
C	7.69	06/04/24	07/02/24	28	4.00	8.00	1.00	12.57		5	48,340	3,850	3,850	
D	7.70	06/04/24	07/02/24	28	4.00	8.00	1.00	12.57		5	51,060	4,060	4,060	

Specimen E, Cast on 06/04/24 has not been tested.

Test Location: Other, Structure 3

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600

Compression Test Report

Report No: 195345-2024-07-05-11-28G

Date: 06/07/24

Client: Challenger Communities
8605 Explorer Drive, Suite 250
Colorado Springs, CO 80920

Job No: 195345.11G

Project: Falcon Meadows at Bent Grass, Filing No. 4
Henzlee Pl

Testing of Grout Cylinder

Material Supplier:	Pete Lein	Slump (in.):	5.25
Truck No.	20-00323	Ambient Air Temp. (F):	65
Ticket No.	107547	Mix Temp. (F):	70
Mix Design No.:	10D321	Air Content (%):	7.0
Sampled By:	Jason Stockley	Wet Density (PCF):	133.2
Batch Time:	6:49 am	Water added (gal - UNO):	
Time of Test:	7:30 am	Specified Strength (psi):	3,200
Time in Truck:	41 min		
Comments:			

Compressive Strengths

Project Set No.: 11

Specimen No.	Cylinder Weight (lbs.)	Date Cast	Date Tested	Age (Days)	Diameter (in.)	Height (in.)	H/D Factor	Area (Sq. in.)		Fracture Type	Ultimate Load (lbs.)	Compressive Strength (psi)	Factored Compressive Strength (psi)	Average PSI
A	7.61	06/07/24	06/14/24	7	4.00	8.00	1.00	12.57		5	37,100	2,950	2,950	2,950
B	7.63	06/07/24	07/05/24	28	4.00	8.00	1.00	12.57		5	45,210	3,600	3,600	3,350
C	7.59	06/07/24	07/05/24	28	4.00	8.00	1.00	12.57		5	40,300	3,210	3,210	
D	7.64	06/07/24	07/05/24	28	4.00	8.00	1.00	12.57		5	40,910	3,250	3,250	

Specimen E, Cast on 06/07/24 has not been tested.

Test Location: Other, Rip-rap Rock Structure #5

Respectfully submitted,



RMG - Rocky Mountain Group

5085 List Drive, Suite 200, Colorado Springs, CO 80918 Phone: (719) 548-0600