

Compression Test Report

Report No: 188737-2023-07-25-34-28C

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Date: 06/27/23

Job No: 188737.34C

Project: Crossroads Mixed Use
Meadowbrook Parkway



Engineers / Architects

Physical Properties of Concrete Cylinder

Concrete Supplier:	Burnco	Slump (in.):	5.50
Truck No.	1366	Ambient Air Temp. (F):	75
Ticket No.	20549453	Mix Temp. (F):	79
Mix Design No.:	45C5C1C7C	Air Content (%):	6.0
Sampled By:	Adam Albertson	Wet Density (PCF):	134.3
Batch Time:	10:10 am	Water added (gal - UNO):	10 Gal
Time of Test:	11:00 am	Specified Strength (psi):	4,500
Time in Truck:	50 min		

Compressive Strengths

Project Set No: 34

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	8.20	06/27/23	07/04/23	7	4.00	8.00	1.00	12.57	140.9	5	49,590	3,950	3,950	3,950
B	8.24	06/27/23	07/25/23	28	4.00	8.00	1.00	12.57	141.6	2	65,260	5,190	5,190	5,080
C	8.31	06/27/23	07/25/23	28	4.00	8.00	1.00	12.57	142.8	5	63,990	5,090	5,090	
D	8.25	06/27/23	07/25/23	28	4.00	8.00	1.00	12.57	141.8	2	62,170	4,950	4,950	

Specimen E, Cast on 06/27/23 has not been tested.

Test Location: Storm Drain/Inlet, Fore bay detention pond SW corner

Respectfully submitted,

RMG - Rocky Mountain Group

Compression Test Report

REVISED COPY



Report No: 188737-2023-08-02-35-28C-REV-1

Date: 07/05/23

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Job No: 188737.35C

Engineers / Architects

Project: Crossroads Mixed Use
Meadowbrook Parkway

Physical Properties of Concrete Cylinder

Concrete Supplier:	Burnco	Slump (in.):	5.50
Truck No.	1377	Ambient Air Temp. (F):	58
Ticket No.	20551508	Mix Temp. (F):	78
Mix Design No.:	45E5C1C4C	Air Content (%):	6.0
Sampled By:	Adam Albertson	Wet Density (PCF):	134.5
Batch Time:	11:03 am	Water added (gal - UNO):	0
Time of Test:	12:05 pm	Specified Strength (psi):	4,500
Time in Truck:	62 min		

Compressive Strengths

Project Set No: 35

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	8.20	07/05/23	07/12/23	7	4.00	8.00	1.00	12.57	140.9	5	49,990	3,980	3,980	3,980
B	8.21	07/05/23	08/02/23	28	4.00	8.00	1.00	12.57	141.1	5	67,870	5,400	5,400	5,430
C	8.19	07/05/23	08/02/23	28	4.00	8.00	1.00	12.57	140.7	5	68,390	5,440	5,440	
D	8.21	07/05/23	08/02/23	28	4.00	8.00	1.00	12.57	141.1	5	68,560	5,450	5,450	

Specimen E, Cast on 07/05/23 has not been tested.

Revision Notes: Correct Design PSI

Test Location: Wall, Detention pond fore bay walls

Respectfully submitted,

RMG - Rocky Mountain Group

Compression Test Report

Report No: 188737-2023-08-07-36-28C

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Date: 07/10/23

Job No: 188737.36C

Project: Crossroads Mixed Use
Meadowbrook Parkway



Engineers / Architects

Physical Properties of Concrete Cylinder

Concrete Supplier:	BurnCo	Slump (in.):	4.00
Truck No.	1362	Ambient Air Temp. (F):	72
Ticket No.	20552493	Mix Temp. (F):	73
Mix Design No.:	45E5C1C4C	Air Content (%):	5.6
Sampled By:	Edward Skelton	Wet Density (PCF):	140.9
Batch Time:	9:20 am	Water added (gal - UNO):	0.0
Time of Test:	10:15 am	Specified Strength (psi):	4,500
Time in Truck:	55 min		

Compressive Strengths

Project Set No: 36

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	8.27	07/10/23	07/17/23	7	4.00	8.00	1.00	12.57	142.1	5	51,410	4,090	4,090	4,090
B	8.28	07/10/23	08/07/23	28	4.00	8.00	1.00	12.57	142.3	5	70,400	5,600	5,600	5,520
C	8.30	07/10/23	08/07/23	28	4.00	8.00	1.00	12.57	142.6	5	68,580	5,460	5,460	
D	8.29	07/10/23	08/07/23	28	4.00	8.00	1.00	12.57	142.5	5	69,160	5,500	5,500	

Specimen E, Cast on 07/10/23 has not been tested.

Test Location: Wall, Dentention pond forebay walls

Respectfully submitted,

RMG - Rocky Mountain Group

Compression Test Report

Report No: 188737-2023-08-23-37-28C

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Date: 07/26/23

Job No: 188737.37C

Project: Crossroads Mixed Use
Meadowbrook Parkway



Engineers / Architects

Physical Properties of Concrete Cylinder

Concrete Supplier:	Burnco	Slump (in.):	4.50
Truck No.	1372	Ambient Air Temp. (F):	65
Ticket No.	20557840	Mix Temp. (F):	84
Mix Design No.:	45E5C1C4C	Air Content (%):	5.8
Sampled By:	Austin Duesterhaus	Wet Density (PCF):	140.4
Batch Time:	4:19 am	Water added (gal - UNO):	0.0
Time of Test:	5:15 am	Specified Strength (psi):	4,500
Time in Truck:	56 min		

Compressive Strengths

Project Set No: 37

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	8.33	07/26/23	08/02/23	7	4.00	8.00	1.00	12.57	143.1	2	55,320	4,400	4,400	4,400
B	8.26	07/26/23	08/23/23	28	4.00	8.00	1.00	12.57	141.9	5	71,390	5,680	5,680	5,750
C	8.31	07/26/23	08/23/23	28	4.00	8.00	1.00	12.57	142.8	5	72,070	5,730	5,730	
D	8.30	07/26/23	08/23/23	28	4.00	8.00	1.00	12.57	142.6	5	73,400	5,840	5,840	

Specimen E, Cast on 07/26/23 has not been tested.

Test Location: Other: Trickle Channel, Tract A Trickle Channel STA 3+75

Respectfully submitted,

RMG - Rocky Mountain Group

Compression Test Report

Report No: 188737-2023-10-23-38-28C

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Date: 09/25/23

Job No: 188737.38C

Project: Crossroads Mixed Use
Meadowbrook Parkway



Engineers / Architects

Testing of Concrete Cylinder

Material Supplier:	Burnco	Slump (in.):	5.00
Truck No.	1365	Ambient Air Temp. (F):	73
Ticket No.	20576493	Mix Temp. (F):	72
Mix Design No.:	45E5C1C4C	Air Content (%):	6.2
Sampled By:	Jason Stockley	Wet Density (PCF):	137.3
Batch Time:	1:01 pm	Water added (gal - UNO):	0.0
Time of Test:	1:51 pm	Specified Strength (psi):	4,500
Time in Truck:	50 min		
Comments:			

Compressive Strengths

Project Set No.: 38

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	8.12	09/25/23	10/02/23	7	4.00	8.00	1.00	12.57	139.5	3	40,920	3,260	3,260	3,260
B	8.19	09/25/23	10/23/23	28	4.00	8.00	1.00	12.57	140.7	3	57,753	4,590	4,590	4,600
C	8.16	09/25/23	10/23/23	28	4.00	8.00	1.00	12.57	140.2	3	58,031	4,620	4,620	
D	8.14	09/25/23	10/23/23	28	4.00	8.00	1.00	12.57	139.9	3	57,999	4,610	4,610	
E	8.13	09/25/23	10/23/23	28	4.00	8.00	1.00	12.57	139.7	3	57,749	4,590	4,590	

Test Location: Footing/Other: Base, SW Outlet Structure

Respectfully submitted,

RMG - Rocky Mountain Group

Compression Test Report

Report No: 188737-2023-10-25-39-28C

Client: Colorado Springs Equities LLC
 90 South Cascade Avenue, 1500
 Colorado Springs, CO 80903

Date: 09/27/23

Job No: 188737.39C

Project: Crossroads Mixed Use
 Meadowbrook Parkway



Engineers / Architects

Testing of Concrete Cylinder

Material Supplier:	Burnco	Slump (in.):	6.00
Truck No.	1370	Ambient Air Temp. (F):	74
Ticket No.	20577121	Mix Temp. (F):	72
Mix Design No.:	45E5C1C4C	Air Content (%):	5.6
Sampled By:	Jason Stockley	Wet Density (PCF):	140.2
Batch Time:	9:13 am	Water added (gal - UNO):	0.0
Time of Test:	10:09 am	Specified Strength (psi):	4,500
Time in Truck:	56 min		
Comments:			

Compressive Strengths

Project Set No.: 39

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	09/27/23	10/04/23	7	4.00	8.00	1.00	12.57	142.5	3	50,585	4,020	4,020	4,020
B	8.15	09/27/23	10/25/23	28	4.00	8.00	1.00	12.57	140.0	3	62,198	4,950	4,950	
C	8.27	09/27/23	10/25/23	28	4.00	8.00	1.00	12.57	142.1	2	62,864	5,000	5,000	
D	8.19	09/27/23	10/25/23	28	4.00	8.00	1.00	12.57	140.7	3	63,660	5,060	5,060	
E	8.21	09/27/23	10/25/23	28	4.00	8.00	1.00	12.57	141.1	3	63,558	5,060	5,060	

Test Location: Other: Outlet Structure, SW Outlet Structure

Respectfully submitted,

RMG - Rocky Mountain Group

Compression Test Report

Report No: 188737-2023-11-17-41-28C

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Date: 10/20/23

Job No: 188737.41C

Project: Crossroads Mixed Use
Meadowbrook Parkway



Engineers / Architects

Testing of Concrete Cylinder

Material Supplier:	Burnco	Slump (in.):	5.00
Truck No.	1376	Ambient Air Temp. (F):	65
Ticket No.	20584179	Mix Temp. (F):	72
Mix Design No.:	45E5C1C4C	Air Content (%):	6.0
Sampled By:	Adam Albertson	Wet Density (PCF):	139.1
Batch Time:	9:16 am	Water added (gal - UNO):	0.0
Time of Test:	10:20 am	Specified Strength (psi):	4,500
Time in Truck:	64 min		
Comments:			

Compressive Strengths

Project Set No.: 41

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	8.05	10/20/23	10/27/23	7	4.00	8.00	1.00	12.57	138.3	3	51,432	4,090	4,090	4,090
B	8.10	10/20/23	11/17/23	28	4.00	8.00	1.00	12.57	139.2	3	66,783	5,310	5,310	5,280
C	8.07	10/20/23	11/17/23	28	4.00	8.00	1.00	12.57	138.7	2	66,247	5,270	5,270	
D	8.05	10/20/23	11/17/23	28	4.00	8.00	1.00	12.57	138.3	2	69,960	5,570	5,570	
E	8.11	10/20/23	11/17/23	28	4.00	8.00	1.00	12.57	139.4	2	62,777	4,990	4,990	

Test Location: Storm Drain/Inlet, Forebay footing SW corner of detention pond

Respectfully submitted,

RMG - Rocky Mountain Group

Compression Test Report

Report No: 188737-2023-11-22-42-28C

Client: Colorado Springs Equities LLC
90 South Cascade Avenue, 1500
Colorado Springs, CO 80903

Date: 10/25/23

Job No: 188737.42C

Project: Crossroads Mixed Use
Meadowbrook Parkway



Engineers / Architects

Testing of Concrete Cylinder

Material Supplier:	Burnco	Slump (in.):	4.50
Truck No.	1371	Ambient Air Temp. (F):	60
Ticket No.	20585588	Mix Temp. (F):	71
Mix Design No.:	45E5C1C4C	Air Content (%):	7.0
Sampled By:	Adam Albertson	Wet Density (PCF):	139.0
Batch Time:	8:47 am	Water added (gal - UNO):	0.0
Time of Test:	9:50 am	Specified Strength (psi):	4,500
Time in Truck:	63 min		
Comments:			

Compressive Strengths

Project Set No.: 42

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	10/25/23	11/01/23	7	4.00	8.00	1.00	12.57	139.4	3	49,966	3,980	3,980	3,980
B	8.14	10/25/23	11/22/23	28	4.00	8.00	1.00	12.57	139.9	3	68,497	5,450	5,450	5,250
C	8.17	10/25/23	11/22/23	28	4.00	8.00	1.00	12.57	140.4	3	64,243	5,110	5,110	
D	8.17	10/25/23	11/22/23	28	4.00	8.00	1.00	12.57	140.4	3	66,999	5,330	5,330	
E	8.12	10/25/23	11/22/23	28	4.00	8.00	1.00	12.57	139.5	5	64,226	5,110	5,110	

Test Location: Wall, SW Detention Pond emergency spill way wall

Respectfully submitted,

RMG - Rocky Mountain Group