

July 3, 2025

Ms. Sharon Bloom
City of Lee's Summit
220 SE Green Street
Lee's Summit, Missouri 64063

RE: Special Inspection Report No. 1
Lee's Summit Market Plaza
2nd Street and Green Street
Lee's Summit, Missouri
Report Period: June 12, 2024 to June 18, 2025
UES Project Number: A22129.00020.008 (Legacy No. J040917.09)

Dear Ms. Bloom:

This letter will constitute our Special Inspection transmittal for the above referenced project. Representatives of UES Professional Solutions 25, LLC (UES) have provided field observation and testing services relating to site development, structural fill, drilled piers, foundation bearing materials, reinforced concrete, post-installed drilled and epoxied reinforcing steel, structural masonry, and structural steel during the report period. Our services were provided on a part-time to full-time basis as scheduled by representatives of McCownGordon.

Summary of Activities

Building Subgrade

Following the removal of soils to an elevation of three feet below finish floor elevation the subgrade for the building pad was scarified and recompactd on June 12. On June 13, the building pad subgrade was observed with respect to stability and moisture content prior to fill placement. The exposed grades were also proofrolled with a fully-loaded tandem-axle dump truck to aid in evaluating the stability of the underlying soils.

On June 27 and July 12, per the recommendations of the geotechnical report, the abandoned sanitary sewer line and associated undifferentiated fills in the building pad area between Line A to E and 5 to 7 was removed to approximately 8 feet below finish floor elevation and replaced with fill material from on-site borrows. Placement of the backfill for the referenced undercut was observed and field density tests were performed.

Structural Fill

Field density tests and visual observations were performed the clay and the low-volume-change (LVC) material within the upper 24 inches of the proposed building pad at the following locations:

June 12, 2024	- Building pad subgrade between Lines A to E and 1 and 6, top of clay subgrade, approximately 24 inches below finish floor
June 14, 2024	- Low-volume change (LVC) material for the building pad area between Lines A to E and 1 and 6 at approximately 10 inches below finish floor elevation
June 27, 2024	- Undercut building pad subgrade between Lines A to E and 6 and 7, from approximately 8 feet to 2 feet below of finish floor elevation
July 12, 2024	- Undercut building pad subgrade between Lines C.5 to D and 6 to 6.5, from approximately 6 feet to 2 feet below of finish floor elevation
August 1, 2024	- LVC utility backfill between Lines C to D, 1 to 2
August 2, 2024	- LVC utility backfill between Lines C to D, 1 to 2
August 19, 2024	- Undercut footing backfill for the east clocktower retaining wall, elevation approximately 3.5 feet below the bottom of footing to the bottom of footing
September 20, 2024	- Electrical trench backfill between the transformer pad and the junction box at 1 foot below existing grade6+

The fill materials were placed in approximately 8- to 9-inch lifts and compacted with a self-propelled sheepsfoot roller or smooth-drum vibratory roller. To evaluate the field density test results, samples of the on-site material and off-site quarried material were obtained for moisture-density (standard Proctor) relationship tests. Results of the standard Proctor and field density

Drilled Piers

On July 2 and 3, and July 8 and 9, twelve (12) 48-inch diameter drilled piers for the canopy were installed. The drilled piers extended 4 feet into the underlying limestone. Cleaning of the pier excavations prior to placement of the reinforcing steel was observed. The centerline and plumbness of each shaft were observed during the drilling operation. A rock auger and core barrel were used to remove the overburden soils and limestone. The bearing materials in the bases of the drilled piers were evaluated with respect to an end bearing pressure of 25 ksf for limestone. The drilled pier reports summarizing the field data have been electronically submitted under separate cover.

Foundation Bearing Materials

The bearing materials in the bases of the foundation excavations were observed in the following locations:

June 28, 2024	- Strip footings at Line A, 1 to 5
July 3, 2024	- Strip footings at Line D.2, 1.5 to 2; Line 2, A.2 to B; and Line 2, D.2 to B.5 - Strip footings at Line 1, A.2 to C.6 (mud mat placed) - Spread footing at Grid B/2 and D/2
July 8, 2024	- Strip footings at Line B.5, 1 to 2; Line C.1, 1 to 2; Line 1, A.2 to D; and Line 2, B.1 to 5
July 9, 2024	- Strip footings at Line A, 4.7 to 6.9; Lines 5.3 and 5.6, A to B.5
July 11, 2024	- Strip footings at C, 5.25 to 6; Lines 5.3 and 5.6, B.5 to C; Line 6, C.2 to D.7; and Line 7, A to C.2 - Spread footings at Grids B/6, B.6/6, C.2/6, and D/6
July 12, 2024	- Spread footings at Grids B/3, B/4, B/5, D/3, D/4, and D/5
July 15, 2024	- Strip footings at Line C.5, 6.5 to 6.7; Line E, 4.6 to 6.1; Line D.7, 6.1 to 6.5; Line 6.1, D.7 to E; Line 6.5, C.5 to D.7; and Line 6.7, C.2 to C.5 - Spread footings at C.2/6.5, C.5/6.7, D.7/6.5, and E/6.1
July 17, 2024	- Strip footing at Line E, 2 to 5
July 18, 2024	- Strip footing at Line E, 1 to 2
August 16, 2024	- Clocktower east retaining wall footing
August 20, 2024	- Clocktower southeast retaining wall footing
August 26, 2024	- Strip footings for the transformer pad along Lines B and B.7, exterior of Line 1
October 09, 2024	- Cascade Terrace upper limestone block footing - Piano Stair north side stem wall
October 17, 2024	- Trash Enclosure footings
October 23, 2024	- Wicket Canopy spread footings

The bearing materials, consisting of native clay, were evaluated with respect to the 2,000 pounds per square foot (psf) for strip footings and 2,400 psf for spread footings design bearing pressure. The excavations were generally dry and free of loose material.

Reinforced Concrete

Placement of the reinforcing steel, anchor bolts (where applicable), and concrete was observed for the previously mentioned drilled piers, foundation excavations, and at the following locations:

July 18, 2024	- Canopy pier cap at Grid CA/C1
July 19, 2024	- Canopy pier caps at Grids CC/C1, CC/C2, and CC/C3
July 23, 2024	- Canopy pier caps at Grids CB/C6, CC/C4, and CC/C5
July 26, 2024	- Footing extension along Line 7, A to C.2 per RFI #77
August 14, 2024	- Slab-on-grade between Lines A to E, 2 to 5
August 15, 2024	- Slab-on-grade between Lines A to E, 1 to 2 - Slab-on-grade between Lines A to E.1, 5 to 7
September 4, 2024	- Cascade Terrace planter walls
September 11, 2024	- Cascade Terrace seating foundation
October 9, 2024	- Cascade Terrace upper limestone block footing
October 10, 2024	- Piano Stair north side stem wall
October 18, 2024	- Clocktower Stairs
October 23, 2024	- Wicket Canopy south C and D spread footings
October 24, 2024	- Wicket Canopy south A and B, and north A, B, C, D spread footings
October 2, 2024 ⁵	- Trash enclosure gate post drilled shaft footings
November 14, 2024	- Cascade Terrace stairs

Field tests were performed and compressive strength test specimens cast with samples of the concrete placed at the referenced locations. The recent concrete compressive strength test results have been submitted under separate cover.

Exterior concrete for sidewalks, pavements, curbs and gutter, light pole bases and other hardscape elements were placed between November 15, 2024 and June 18, 2025. Field tests were performed and compressive strength test specimens cast with samples of the concrete placed at the referenced locations. The concrete compressive strength test results are enclosed.

Drilled and Epoxy-Grouted Reinforcing Steel

Installation of drilled and epoxy-grouted reinforcing steel were observed at the following locations:

July 26, 2024	- Footing extension dowels into the existing footing along Line 7, A to C.2 per RFI #77
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August 12, 2024	- Slab dowels missing or broken between Lines A to E, 2 to 6 per RFI #84
August 20, 2024	- Masonry wall dowels at control joints, corners, and opening in various locations into the existing footings per RFI #73

The drilled holes were observed for the required spacing, depth, diameter, and cleaning procedures. Installation of the dowels was observed with respect to RFI No. 216 for the specified reinforcing steel diameter, grade, embedment, projection, and type of epoxy used.

Structural Masonry

Placement of the reinforcing steel and grout for the CMU walls was observed at the following locations:

August 29, 2024	- Columns at grids E/2.5, E/3, E/3.5, E/4, E/4.5, E/5, and E/5.5, elevation 99.3 to 104.0
August 30, 2024	- Columns at grids E/2.5, E/3, E/3.5, E/4, E/4.5, E/5, and E/5.5, elevation 104.0 to 108.0
September 3, 2024	- Columns at grids E/2.5, E/3, E/3.5, E/4, E/4.5, E/5, and E/5.5, elevation 108.0 to 112.0
September 4, 2024	- Columns at grids E/2.5, E/3, E/3.5, E/4, E/4.5, E/5, and E/5.5, elevation 112.0 to 114.7 - Wall at Line 6, D to E, elevation 100.0 to 104.0 and 104.0 to 108.0
September 5, 2024	- Columns at grids E/2.5, E/3, E/3.5, E/4, E/4.5, E/5, and E/5.5, elevation 114.7 to 118.0 - Masonry wall at Line 6, C to E, elevation 108.0 to 112.0
September 6, 2024	- Wall at Line D.2, 1 to 1.5 and Line 1, B to D.2, elevation 100.0 to 104.0
September 9, 2024	- Walls at Line A, 5.2 to 7 and Line 7, A to C.2, elevation 104.0 to 108.0 and 108.0 to 112.0
September 10, 2024	- Walls at Line A, 5.2 to 7 and Line 7, A to C.2, elevation 112.0 to 117.3
September 11, 2024	- Walls at Line D, 1 to 2; Line E, 1.3 to 2; and Line 2, A to D.2, elevation 100.0 to 104.0
September 12, 2024	- Walls at Line D, 1 to 2; Line E, 1.3 to 2; and Line 2, A to D.2, elevation 104.0 to 108.0
September 13, 2024	- Wall at Line 2, A to D.2, elevation 108.0 to 112.0

September 16, 2024	- Wall at Line 2, A to B, elevation 112.0 to 115.3 - Wall at Line 2, B to D.2, elevation 112.0 to 116.0.
September 17, 2024	- Walls at Line D.2, 1.3 to 2; Line E, 1.3 to 2; and Line E, 2 to 2.5, elevation 108.0 to 112.0 - Wall at Line 2, B to D.2, elevation 116.0 to 120.0
September 18, 2024	- Wall at Line E, 1.3 to 2, elevation 112.0 to 115.3 - Wall at Line E, 2 to 2.5, elevation 112.0 to 117.3 - Wall at Line 2, B to D.2, elevation 120.0 to 125.0 - Wall at Line 1.3, D.2 to D.7, elevation 100.0 to 104.0 and 104.0 to 108.0
September 19, 2024	- Columns at Grid A/2, A/2.5, A/3, A/3.5, A/4, A/4.5, and A/5, elevation 100.0 to 104.0 - Wall at Line A, 1 to 2, elevation 100.0 to 104.0 - Wall at Line 2, B to D, elevation 125.0 to 130.0
September 20, 2024	- Columns at Grid A/2, A/2.5, A/3, A/3.5, A/4, A/4.5, and A/5, elevation 104.0 to 108.0 and 108.0 to 112.0 - Wall at Line A, 1 to 2, elevation 104.0 to 108.0 and 108.0 to 112.0 - Wall at Line 1, A to C.5, elevation 100.0 to 104.0
September 24, 2024	- Columns at Grid A/2, A/2.5, A/3, A/3.5, A/4, A/4.5, and A/5, elevation 112.0 to 115.3 - Wall at Line A, 1 to 2, elevation 112.0 to 115.3
September 25, 2024	- Columns at Grid A/2, A/2.5, A/3, A/3.5, A/4, A/4.5, and A/5, elevation 115.3 to 117.3
September 26, 2024	- Wall at Line 1, A to C.5, elevation 104.0 to 108.0 - Walls at Line A.8 and B.9, 1 to 2, elevation 100.0 to 104.0 and 104.0 to 108.0
September 27, 2024	- Walls at Line D, 1 to 1.3; Line 1, A to E; and Line 1.3, D to E, elevation 108.0 to 112.0
September 30, 2024	- Walls at Line A.8 and B.9, 1 to 2, elevation 108.0 to 112.8
October 1, 2024	- Walls at Line D, 1 to 1.3; Line 1, A to E; and Line 1.3, D to E, elevation 112.0 to 115.3
October 2, 2024	- Walls at Line C, 5.2 to 6; Line 6, C to C.3; and Line 7, A to C, elevation 100.0 to 104.0
October 3, 2024	- Walls at Line C, 5.2 to 6 and Line 5.2, A to C, elevation 104.0 to 108.0 - Wall at Line 5.8, A to C, elevation 100.0 to 104.0

October 4, 2024	- Walls at Line C, 5.2 to 6 and Line 5.2, A to C, elevation 108.0 to 112.0 - Wall at Line 5.8, A to C, elevation 104.0 to 108.0 and 108.0 to 112.0
November 5, 2024	- Trash Enclosure walls, elevation 100.0 to 104.7
November 6, 2024	- Trash Enclosure walls, elevation 104.7 to 110.0
November 7, 2024	- Transformer Enclosure walls exterior at Lines B and B.6, elevation 100.0 to 104.7
November 8, 2024	- Transformer Enclosure walls exterior at Lines B and B.6, elevation 104.7 to 108.0

Field tests were performed and test specimens cast with the grout used in the construction of the referenced walls. The recent compressive strength test results are enclosed.

Structural Steel

The structural steel framing, welded connections, and decking were observed at the following locations:

October 9, 2024	- Lower and upper roof framing, high-strength bolted connections, and welded connections at Lines A to E and 2 to 6 - Column anchor bolt connections between Lines A to E and 1 to 7
October 23, 2024	- Lower and upper roof framing, high-strength bolted connections, and welded connections at Lines A to E, 1 and 2, and Lines A and C.2, 6 to 7 - Metal decking observed between Lines A to B, 2 to 6 and A to C.2, 6 to 7
October 24, 2024	- Metal decking Hilti fasteners along Line D.7, 6.1 to 6.7
October 28, 2024	- Welded connections for joist to angle between A to C, 5.3 to 7 - Welded connections for stair joist and deck reinforcement at roof stair access at Lines B.6 to C, 1 to 2 and at Grid A.5, 1.7, A.5/5.7, D.5/1.7, and D.5/5.7 - Metal decking for high roof between Lines A.5 and D.5, 1.9 to 6.1

November 5, 2024	- Framing, high-strength bolted connections, and welded connections for the northwest corner store front entry at Lines C.2 to E.2, 6 to 7
	- Welded connections for the joist bridging to wall termination plate in area between A to D and 1 to 2
	- Metal deck for the low roof between Lines A to C, 1 to 2 and Lines A to E.1, 6 to 7
January 29, 2025	- Framing and bolted connections for the Canopy
February 10, 2025	- Canopy column anchor bolts to pedestal

The structural steel framing was observed for the required grade, size, erection, and anchor bolts. The welded connections were observed with respect to the project documents and AWS D1.1 for the required size, length, number, spacing, appearance, and electrode.

The ASTM A325 high-strength bolted connections were observed with regard to the grade, number, diameter, and length indicated in the project documents. The installation methods were observed for compliance with the snug-tight requirements, as indicated by the project documents.

The Hilti nail roof decking connections and side-lap screw connections were observed for the size, number, spacing, and the manufacturer's recommended installation procedures.

On October 30, the column base plates Between Lines A and E, 1 to 7 were observed for bolt tightening and the removal of debris prior to grouting.

On November 11, the clerestory light gauge wall stud to the upper and lower track connections at Lines B and D were observed. The #10 TEK screw connections were observed for the required size, number and spacing. Missing screws were observed at Grids B/3, B/3.5, and B/4. The contractor installed the required screws, and the referenced areas were observed as corrected on November 14.

Status of Compliance

The specific items discussed above in this report appeared to be in general compliance with the contract documents.

Closure

The results of our field observations and testing were reported to authorized personnel during our site visits. If you have any questions regarding this report, or if we may be of further service, please contact us.

Respectfully submitted,

UES,



Steve Birtz
Project Manager



Peter F. Brull, P.E.
Senior Engineer

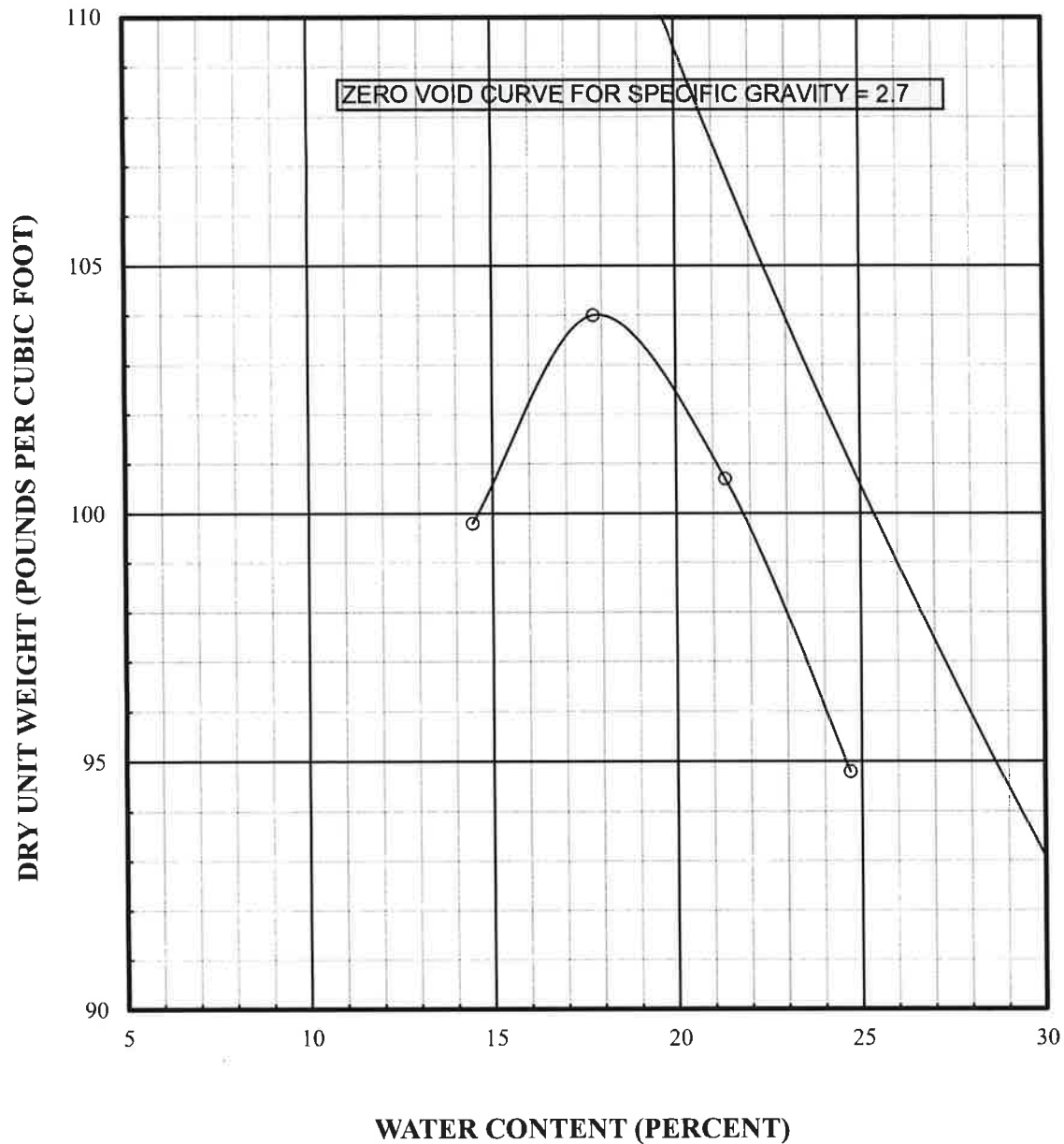
Attachments: Moisture-Density Curves
Field Density Test Results
Drilled Shaft Records
Concrete Cylinder Test Results
Grout Prism Test Results
Compressive Strength of Masonry Prism

cc: UES File
Mr. Tyler Stotler – McCownGordon
Mr. Travis Grimes – McCownGordon

**Lee's Summit Market Plaza
Variance/Discrepancy List**

NOTE: Items resolved during the report period are shaded.

Variance Number	Date Opened	Date Closed	Description



PROJECT NAME

Lee's Summit Downtown Market

SPECIFICATIONS

Standard Proctor
 ASTM D 698 Method A

PROCTOR TEST RESULTS

Max. Dry Density	Optimum Water Content
104.0 pcf	17.9%

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit	Plastic Limit	Plasticity Index
51	24	27

DESCRIPTION

CLAY - dark brown, fat, trace organics & gravel (CH)

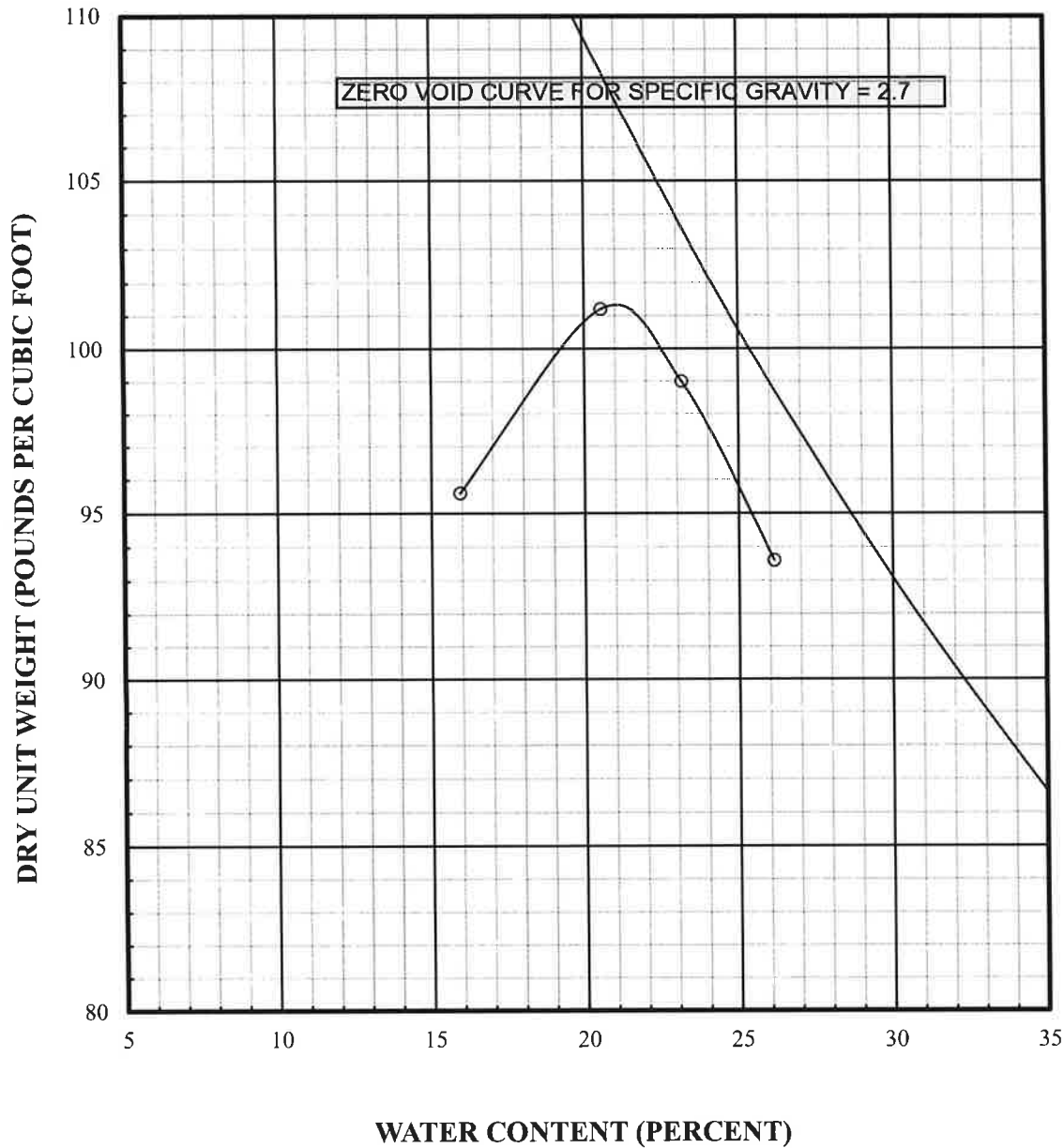
SAMPLE LOCATION

Eastridge & Wilson Culvert, Sta 9+99.94



MOISTURE - DENSITY CURVE

Job No.	J040917.07	Test Date	12/28/2023
Sampled By	LAR	Tested By	KEB
Sample Date	12/20/2023	Calc. By	ADC
Proctor No.	3992	Ch'd By	SAB



PROJECT NAME

Lee's Summit Downtown Market

SPECIFICATIONS

Standard Proctor
ASTM D 698 Method A

PROCTOR TEST RESULTS

Max. Dry Density	Optimum Water Content
101.3 pcf	21.2%

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit	Plastic Limit	Plasticity Index
56	19	37

DESCRIPTION

CLAY - brown, fat, with gravel - (CH)

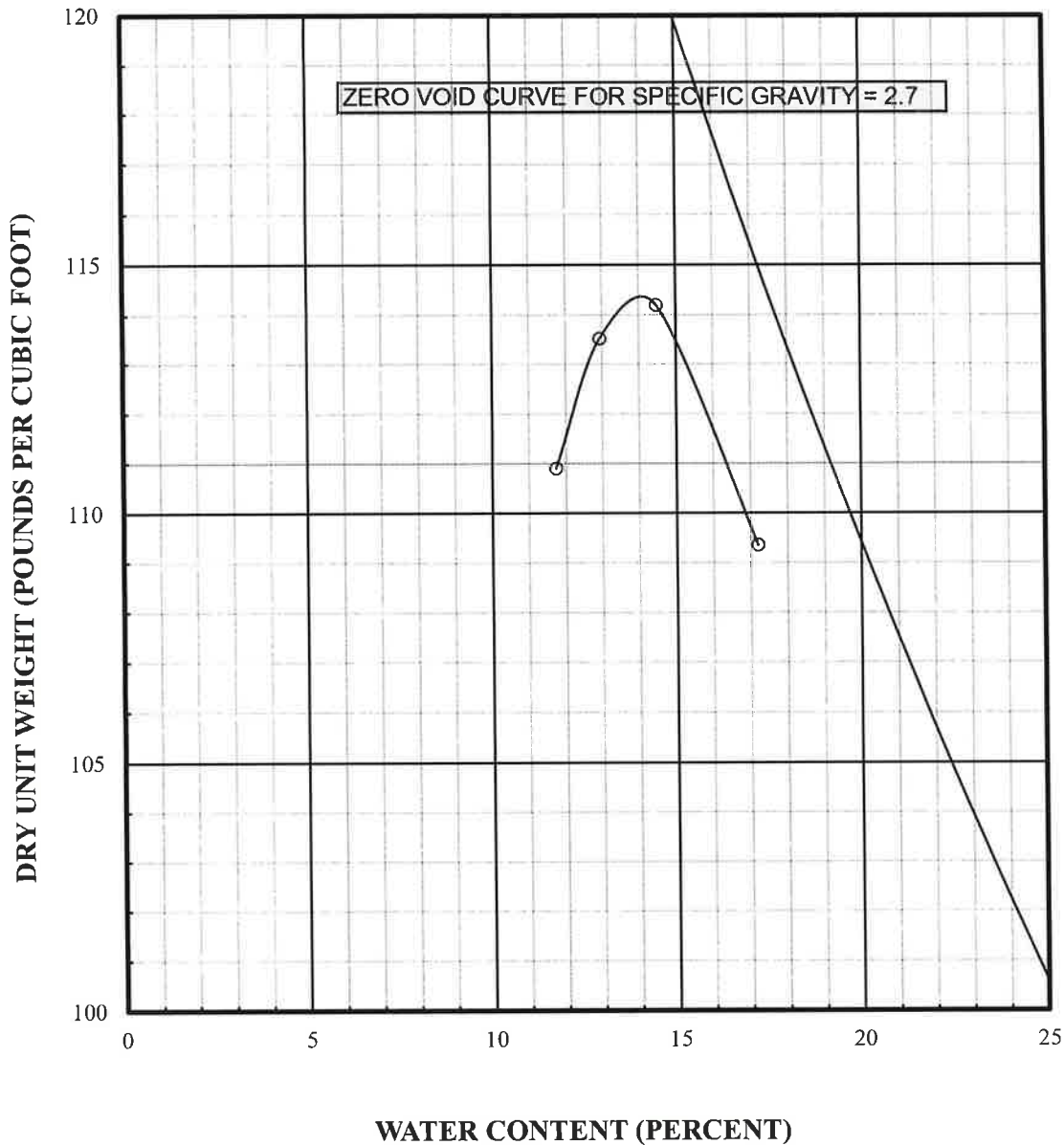
SAMPLE LOCATION

Sta 14+50



MOISTURE - DENSITY CURVE

Job No.	J040917.07	Test Date	3/19/2024
Sampled By	STL	Tested By	MEB
Sample Date	3/14/2024	Calc. By	ADC
Proctor No.	4076	Ch'd By	SAB



PROJECT NAME

Lee's Summit Downtown Market

SPECIFICATIONS

Standard Proctor w/ Oversize Particles Correction
 ASTM D 698 Method C
 ASTM 4718

PROCTOR TEST RESULTS

Corrected Max. Dry Density	Corrected Optimum Water Content
114.4 pcf	14.2%

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit	Plastic Limit	Plasticity Index
40	22	18

DESCRIPTION

FILL - dark brown, lean, with sand and rock, trace glass - (CL)

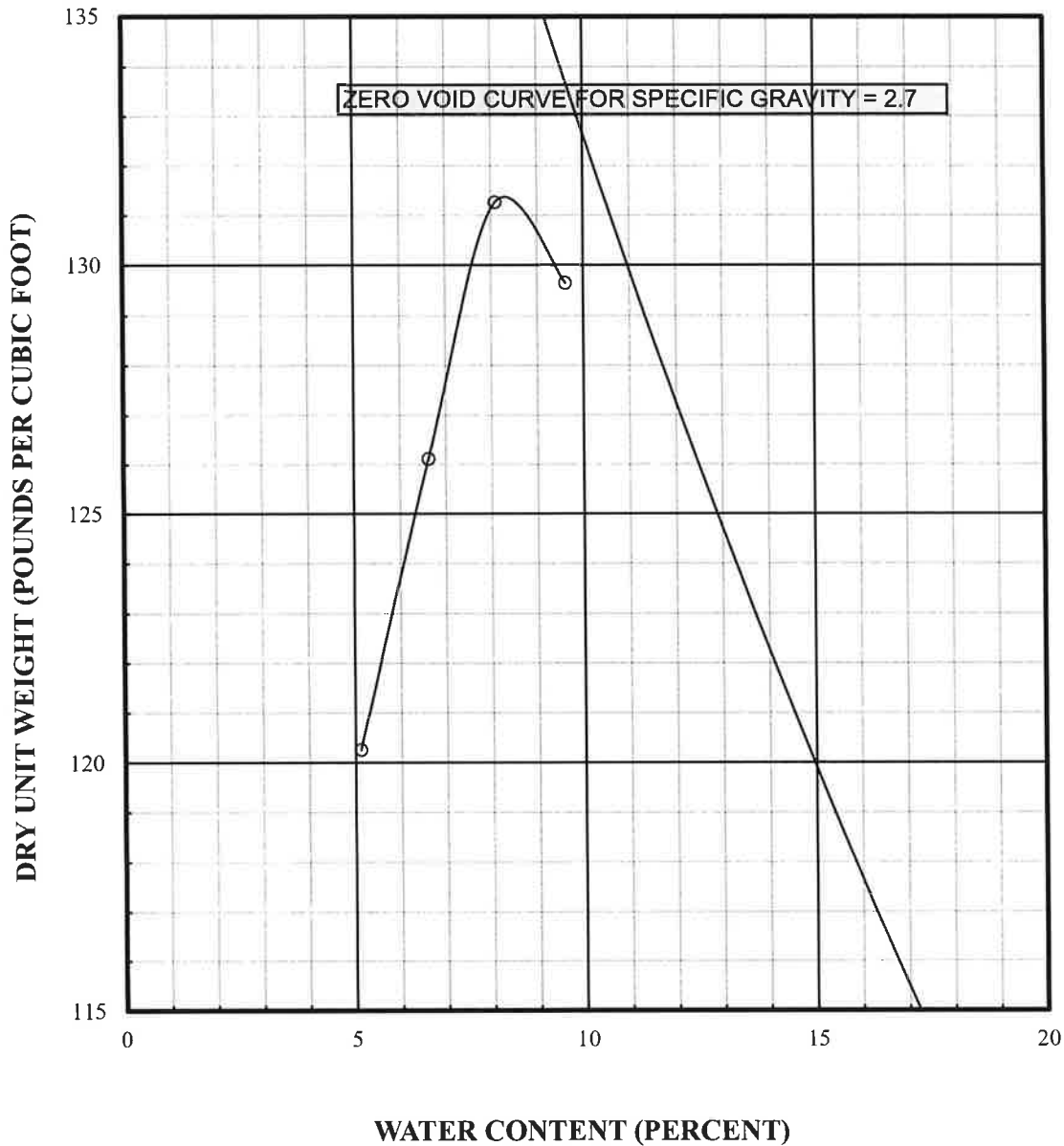
SAMPLE LOCATION

On-site stockpile, storm excavation under 2nd St.



COMPACTION TEST

Job No.	J040917.07	Test Date	4/18/2024
Sampled By	RTD	Tested By	MEB
Sample Date	4/15/2024	Calc. By	ADC
Proctor No.	4104	Chk'd By	SAB



PROJECT NAME

Lee's Summit Downtown Market

SPECIFICATIONS

Standard Proctor w/ Oversize Particles Correction
 ASTM D 698 Method C
 ASTM 4718

PROCTOR TEST RESULTS

Corrected Max. Dry Density	Corrected Optimum Water Content
131.4 pcf	8.3%

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit	Plastic Limit	Plasticity Index

DESCRIPTION

Commercial AB-3

SAMPLE LOCATION

Martin Marietta - Greenwood



COMPACTION TEST

Job No.	J040917.09	Test Date	6/12/2024
Sampled By	TN	Tested By	KEB
Sample Date	6/11/2024	Calc. By	ADC
Proctor No.	4223	Chk'd By	SAB



Client: City of Lee's Summit
 Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Field Density Test Results

Report Date: 06/14/2024

Area Being Filled: Marketplace Building Pad. SE 3rd St.

Description of Fill Material: (1) AB-3

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) +/-	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	Grid B/2	AG	131.4@8.3 ⁽¹⁾	136.00	6.20	8"	103.5	--/--		Pass
2	Grid C/2	AG	131.4@8.3 ⁽¹⁾	135.80	6.50	8"	103.3	--/--		Pass
3	Grid D/2	AG	131.4@8.3 ⁽¹⁾	135.60	6.00	8"	103.2	--/--		Pass
4	Grid C.8/2.7	AG	131.4@8.3 ⁽¹⁾	136.10	6.20	8"	103.6	--/--		Pass
5	Grid C/2.5	AG	131.4@8.3 ⁽¹⁾	134.90	6.10	8"	102.7	--/--		Pass
6	Grid B/2.5	AG	131.4@8.3 ⁽¹⁾	134.80	5.80	8"	102.6	--/--		Pass
7	Grid B/3.6	AG	131.4@8.3 ⁽¹⁾	135.60	5.90	8"	103.2	--/--		Pass
8	Grid B/4.5	AG	131.4@8.3 ⁽¹⁾	135.20	6.00	8"	102.9	--/--		Pass
9	Grid B/5.6	AG	131.4@8.3 ⁽¹⁾	135.30	6.30	8"	103.0	--/--		Pass
10	Grid C.2/4.6	AG	131.4@8.3 ⁽¹⁾	135.60	5.80	8"	103.2	--/--		Pass
11	SE 3rd St, S bound 6' L of AT&T Entrance	AG	131.4@8.3 ⁽¹⁾	132.70	5.50	8"	101.0	--/--		Pass

Remarks:

UES Representative: Tyler Nester

Report Date: 06/12/2024

Area Being Filled: Building pad subgrade

Description of Fill Material: (1) Clay dark brown
 (2) Clay dark brown

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) +/-	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	Grid C.5/6	of clay subg	104.0@17.9 ⁽²⁾	102.70	19.10	12"	98.8	3.0/3.0	95	Pass
2	Grid B.6/6	of clay subg	101.3@21.2 ⁽¹⁾	98.20	22.50	12"	96.9	3.0/3.0	95	Pass
3	Grid B/5	of clay subg	104.0@17.9 ⁽²⁾	103.80	18.30	12"	99.8	3.0/3.0	95	Pass
4	Grid C/4	of clay subg	104.0@17.9 ⁽²⁾	105.20	18.00	12"	101.2	3.0/3.0	95	Pass
5	Grid D/2	of clay subg	101.3@21.2 ⁽¹⁾	97.60	23.90	12"	96.3	3.0/3.0	95	Pass
6	Grid B/2	of clay subg	101.3@21.2 ⁽¹⁾	98.40	23.70	12"	97.1	3.0/3.0	95	Pass

Remarks:

UES Representative: Ryan Davidson

Report Date: 07/12/2024

Area Being Filled: In the area of C.5 to D and 6 to 6.5

Description of Fill Material: (1) Dark brown lean

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) +/-	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	Grid point C.7/6.5	below T.O.	114.4@14.2 (1)	110.70	15.80	10"	96.8	2.0/2.0	95	Pass
2	Grid point C.7/6.5	below T.O.	114.4@14.2 (1)	108.90	13.10	10"	95.2	2.0/2.0	95	Pass
3	Grid point C.7/6.5	below T.O.	114.4@14.2 (1)	113.40	14.80	10"	99.1	2.0/2.0	95	Pass
4	Grid point C.7/6.5	below T.O.	114.4@14.2 (1)	108.30	16.00	10"	94.7	2.0/2.0	95	Pass
5	Grid point C.7/6.5	below T.O.	114.4@14.2 (1)	112.60	14.50	10"	98.4	2.0/2.0	95	Pass
6	Grid point C.7/6.5	below T.O.	114.4@14.2 (1)	109.50	15.40	10"	95.7	2.0/2.0	95	Pass
7	Grid point C.7/6.5	below T.O.	114.4@14.2 (1)	112.10	15.20	10"	98.0	2.0/2.0	95	Pass

Remarks:

UES Representative: Ryan Davidson

Report Date: 06/27/2024

Area Being Filled: Left of Storm Line Stations 20+50 to 21+20
Left of Storm Line Green area Stations 22+90 to 24+10
East Side Building Footing

Description of Fill Material: (1) Clay dark brown

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) +/-	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	Left of Storm Line Green Area Sta 23+00	under Grac	104.0@17.9 (1)	105.80	19.30	8"	101.7	3.0/3.0	95	Pass
2	Left of Storm Line Green Area Sta 24+10	under Grac	104.0@17.9 (1)	104.90	18.90	8"	100.9	3.0/3.0	95	Pass
3	Per Pans From North Corner Footing SE 15'	BOF	104.0@17.9 (1)	101.40	18.40	8"	97.5	3.0/3.0	95	Pass
4	Per Pans From North Corner Footing SE 60'	BOF	104.0@17.9 (1)	101.80	18.40	8"	97.9	3.0/3.0	95	Pass
5	Per Pans From North Corner Footing SE 120'	BOF	104.0@17.9 (1)	105.30	17.50	8"	101.3	3.0/3.0	95	Pass
6	Left of Storm Line Sta 20+70 Backfill	' below Grac	104.0@17.9 (1)	107.80	17.80	8"	103.7	3.0/3.0	95	Pass
7	Left of Storm Line Sta 20+80 Backfill	' below Grac	104.0@17.9 (1)	108.80	16.30	8"	104.6	3.0/3.0	95	Pass
8	Left of Storm Line Sta 20+90 Backfill	' below Grac	104.0@17.9 (1)	105.80	15.60	8"	101.7	3.0/3.0	95	Pass
9	Left of Storm Line Sta 21+00 Backfill	' below Grac	104.0@17.9 (1)	106.40	15.60	8"	102.3	3.0/3.0	95	Pass
10	Left of Storm Line Sta 20+85 Backfill	' below Grac	104.0@17.9 (1)	102.70	16.50	8"	98.8	3.0/3.0	95	Pass
11	Left of Storm Line Sta 20+80 Backfill	' below Grac	104.0@17.9 (1)	99.00	16.90	8"	95.2	3.0/3.0	95	Pass
12	Left of Storm Line Sta 20+90 Backfill	' below Grac	104.0@17.9 (1)	100.80	16.30	8"	96.9	3.0/3.0	95	Pass
13	Left of Storm Line Sta 20+85 Backfill	' below Grac	104.0@17.9 (1)	99.60	15.90	8"	95.8	3.0/3.0	95	Pass

Report Date: 06/27/2024

Area Being Filled: Left of Storm Line Stations 20+50 to 21+20
Left of Storm Line Green area Stations 22+90 to 24+10
East Side Building Footing

Description of Fill Material: (1) Clay dark brown

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) +/-	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
14	Left of Storm Line Sta 20+85 Backfill	Grade	104.0@17.9 ⁽¹⁾	102.50	19.10	8"	98.6	3.0/3.0	95	Pass

Remarks: Gauge N-42

UES Representative: Seth T. Littlestone

Report Date: 08/01/2024

Area Being Filled: Bathroom Drainage between gridlines C1/C2 between C/D

Description of Fill Material: (1) AB-3

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) +/-	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	Bathroom Drainage between gridlines C1/C2 between C/D	Grade	131.4@8.3 ⁽¹⁾	119.50	7.70	6"	90.9	--/--	95	Fail

Remarks:

UES Representative: Seth T. Littlestone

Report Date: 08/02/2024

Area Being Filled: Bathroom Drain at Gridlines C1/C2 between C/D

Description of Fill Material: (1) AB-3

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) +/-	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	Bathroom Gridlines at Gridlines C1/C2 between C/D	Grade	131.4@8.3 ⁽¹⁾	138.80	5.60	6"	105.6	--/--	95	Pass

Remarks:

UES Representative: Seth T. Littlestone

Report Date: 08/19/2024

Area Being Filled: Retaining wall footing east of clock tower test hole 4' down

Description of Fill Material: (1) Clay dark brown

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) +/-	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
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Report Date: 08/19/2024

Area Being Filled: Retaining wall footing east of clock tower test hole 4' down

Description of Fill Material: (1) Clay dark brown

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) +/-	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	East Side of retaining wall footing From Bottom of Footing	-40"	101.3@21.2 ⁽¹⁾	98.50	23.20	8"	97.2	3.0/3.0	95	Pass
2	East Side of retaining wall footing From Bottom of Footing	-32"	101.3@21.2 ⁽¹⁾	106.60	22.30	8"	105.2	3.0/3.0	95	Pass
3	East Side of retaining wall footing From Bottom of Footing	-24"	101.3@21.2 ⁽¹⁾	97.90	23.60	8"	96.6	3.0/3.0	95	Pass
4	East Side of retaining wall footing From Bottom of Footing	-16"	101.3@21.2 ⁽¹⁾	102.40	20.20	8"	101.1	3.0/3.0	95	Pass
5	East Side of retaining wall footing From Bottom of Footing	-8"	101.3@21.2 ⁽¹⁾	102.80	22.90	8"	101.5	3.0/3.0	95	Pass
6	East Side of retaining wall footing From Bottom of Footing	0"	101.3@21.2 ⁽¹⁾	101.40	23.50	8"	100.1	3.0/3.0	95	Pass

Remarks:

UES Representative: Seth T. Littlestone

Report Date: 09/20/2024

Area Being Filled: Electrical trench backfill from SE corner of transformer pad 90' SE to junction box; elevation 24" below to top of existing subgrade

Description of Fill Material: (1) AB-3

TABULATION OF FIELD DENSITY TEST RESULTS (ASTM D6938)

Test No.	Test Location	Elevation (feet) +/-	Max. Dry Den. @ Optimum Moisture (pcf @ %)	In Place Dry Density (pcf)	In Place Moisture (%)	Probe Depth	Percent Compaction	Moisture Tolerance (-/+)	Min. Comp. Spec. (%)	Result
1	30' SE of transformer pad	ow top of su	131.4@8.3 ⁽¹⁾	133.60	7.10	10"	101.7	--/--	95	Pass
2	30' SE of transformer pad	p of subgrac	131.4@8.3 ⁽¹⁾	134.20	6.80	10"	102.1	--/--	95	Pass
3	70' SE of transformer pad	ow top of su	131.4@8.3 ⁽¹⁾	131.90	6.50	10"	100.4	--/--	95	Pass
4	70' SE of transformer pad	p of subgrac	131.4@8.3 ⁽¹⁾	134.80	6.70	10"	102.6	--/--	95	Pass

Remarks:

UES Representative: Ryan Davidson



Drilled Shaft Record

Project Name: Lee's Summit Market Plaza

Project Number: J040917.09

Technician: Ryan Davidson

Shaft No./ Location: CA/C1

Pier Type: 48"

		<i>Design</i>	<i>Observed</i>	<i>Drilled Shaft Log</i>		
Drilling Information	Shaft Diameter (in.)	48	48	Depth (ft.)	Elev. (ft.)	Observation*
	Socket Diameter (in.)	48	48	0.0	98.3	Grade
	Grade elevation (ft.)	N/A	98.3			Mottled browns lean
	Top of Shaft elev. (ft.)	92.8	92.8			Clay w/concrete, rock
	Top of Rock elev. (ft.)	N/A	80.3			fragments
	Top of Socket elev. (ft.)	N/A	80.3	5.5	92.8	Top of Shaft
	Bottom of Shaft elev. (ft.)	75.5	75.3			
	Shaft Length (ft.)	17.3	17.5	8.0	90.3	Mottled brown and
	Socket Length (ft.)	4.0	5.0			gray clay
	Rock Core Length (ft.)	N/A	N/A	9.0	89.3	Tan weathered Shale
Elevation Reference:		Finish Floor				
Date/Time	Date		Time			
	Drilling Start:	07/09/24	7:10 AM			
	Drilling End:	07/09/24	8:30 AM			
	Concrete Placement Start:	07/09/24	9:20 AM	14.0	84.3	Gray weathered shale
	Concrete Placement Stop:	07/09/24	9:30 AM			
Drilled Shaft Observations	Casing (Yes/No?)		N			
	Shaft Plumbness in tolerance (Yes/No)?		Y			
	Ground Water Observed (Yes/No)?		Y			
	Ground Water Depth from Grade (ft.)		Trace			
	Reinforcing Steel per plan (Yes/No)?		Y			
	Other Remarks/ Observations			18.0	80.3	Top of Rock
					Limestone	
			18.0	80.3	Top of Socket	
					Limestone	
Probe Hole	Probe Hole (Date/Time)?	N/A	N/A			
	Shaft Entered by:	N/A				
	Probe Hole Depth (ft.)	N/A	N/A		23.0	75.3
	Remarks:			Bearing Material Description: Limestone		
Drilled Shaft Contractor: Great Plains Drilling, Inc.				Design Bearing Capacity: 25 kips		
General Contractor: McCownGordan						
Client: City of Lee's Summit, Mo.						
Reviewed By: Steve Biritz				*Observations include top/bottom of casing, ground water depth, nature and locations of obstructions, soil stratum, elevation of core barrel, etc.		

Drilled Shaft
(not to scale)



Drilled Shaft Record

Project Name: Lee's Summit Market Plaza

Shaft No./ Location: CA/C2

Project Number: J040917.09

Pier Type: 48"

Technician: Ryan Davidson

		<i>Design</i>	<i>Observed</i>	<i>Drilled Shaft Log</i>			
Drilling Information	Shaft Diameter (in.)	48	48	Depth (ft.)	Elev. (ft.)	Drilled Shaft (not to scale)	Observation*
	Socket Diameter (in.)	48	48				
	Grade elevation (ft.)	N/A	99.4				Mottled browns lean
	Top of Shaft elev. (ft.)	94.6	94.6				Clay w/concrete, rock
	Top of Rock elev. (ft.)	N/A	79.4				fragments
	Top of Socket elev. (ft.)	N/A	79.4	4.8	94.6		Top of Shaft
	Bottom of Shaft elev. (ft.)	75.5	75.4				
	Shaft Length (ft.)	19.1	19.2				
	Socket Length (ft.)	4.0	4.0				
	Rock Core Length (ft.)	N/A	N/A	8.0	91.4		Gray brown lean Clay
	Elevation Reference:	Finish Floor					
Date/Time		Date	Time				
	Drilling Start:	07/02/24	7:00 AM				
	Drilling End:	07/02/24	10:00 AM				
	Concrete Placement Start:	07/02/24	12:10 PM	13.0	86.4	Gray weathered shale	
	Concrete Placement Stop:	07/02/24	12:20 PM				
Drilled Shaft Observations	Casing (Yes/No?)		N				
	Shaft Plumbness in tolerance (Yes/No)?		Y	16.0	83.4	Gray Shale with inter-bedded sandstone	
	Ground Water Observed (Yes/No)?		N				
	Ground Water Depth from Grade (ft.)		N/A				
	Reinforcing Steel per plan (Yes/No)?		Y				
	Other Remarks/ Observations			20.0	79.4	Top of Rock	
			20.0	79.4	Limestone		
					Top of Socket		
					Limestone		
Probe Hole	Probe Hole (Date/Time)?	N/A	N/A				
	Shaft Entered by:	N/A		23.5	75.9	Gray Shale	
	Probe Hole Depth (ft.)	N/A	N/A	24.0	75.4	Bottom of Shaft	
	Remarks:			Bearing Material Description: Gray Shale			
Drilled Shaft Contractor: Great Plains Drilling, Inc.				Design Bearing Capacity: 25 kips			
General Contractor: McCownGordan							
Client: City of Lee's Summit, Mo.							
Reviewed By: Steve Birtz				*Observations include top/bottom of casing, ground water depth, nature and locations of obstructions, soil stratum, elevation of core barrel, etc.			



Drilled Shaft Record

Project Name: Lee's Summit Market Plaza

Project Number: J040917.09

Technician: Ryan Davidson

Shaft No./ Location: CA/C3

Pier Type: 48"

		<i>Design</i>	<i>Observed</i>	<i>Drilled Shaft Log</i>				
Drilling Information	Shaft Diameter (in.)	48	48	Depth (ft.)	Elev. (ft.)	Drilled Shaft (not to scale)	Observation*	
	Socket Diameter (in.)	48	48	0.0	99.4		Grade	
	Grade elevation (ft.)	99.4	99.4					Mottled browns lean
	Top of Shaft elev. (ft.)	94.6	94.6					Clay w/concrete, rock
	Top of Rock elev. (ft.)	N/A	79.4					fragments
	Top of Socket elev. (ft.)	N/A	79.4	4.8	94.6			Top of Shaft
	Bottom of Shaft elev. (ft.)	75.5	75.1					
	Shaft Length (ft.)	19.1	19.5					
	Socket Length (ft.)	4.0	4.3					
	Rock Core Length (ft.)	N/A	N/A	8.0	91.4			Gray brown lean Clay
	Elevation Reference:	Finish Floor						
Date/Time	Date		Time					
	Drilling Start:	07/02/24	10:45 AM					
	Drilling End:	07/02/24	12:15 PM					
	Concrete Placement Start:	07/02/24	12:20 PM	10.0	89.4		Gray weathered shale	
	Concrete Placement Stop:	07/02/24	12:35 PM					
Drilled Shaft Observations	Casing (Yes/No?)		N					
	Shaft Plumbness in tolerance (Yes/No)?		Y	16.0	83.4		Gray Shale with inter-bedded sandstone	
	Ground Water Observed (Yes/No)?		N					
	Ground Water Depth from Grade (ft.)		N/A					
	Reinforcing Steel per plan (Yes/No)?		Y					
	Other Remarks/ Observations			20.0	79.4		Top of Rock	
Probe Hole	Probe Hole (Date/Time)?	N/A	N/A				Limestone	
	Shaft Entered by:	N/A					Top of Socket	
	Probe Hole Depth (ft.)	N/A	N/A	24.3	75.1		Limestone	
	Remarks:			Bearing Material Description: Limestone			Bottom of Shaft	
Drilled Shaft Contractor: Great Plains Drilling, Inc.				Design Bearing Capacity:		25 kips		
General Contractor: McCownGordan								
Client: City of Lee's Summit, Mo.								
Reviewed By: Steve Biritz				*Observations include top/bottom of casing, ground water depth, nature and locations of obstructions, soil stratum, elevation of core barrel, etc.				



Drilled Shaft Record

Project Name: Lee's Summit Market Plaza

Shaft No./ Location: CA/C4

Project Number: J040917.09

Pier Type: 48"

Technician: Ryan Davidson

		Design	Observed	Drilled Shaft Log		
Drilling Information	Shaft Diameter (in.)	48	48	Depth (ft.)	Elev. (ft.)	Observation*
	Socket Diameter (in.)	48	48			
	Grade elevation (ft.)	N/A	99.4			Mottled browns lean
	Top of Shaft elev. (ft.)	94.6	94.6			Clay w/concrete, rock
	Top of Rock elev. (ft.)	N/A	80.4			fragments
	Top of Socket elev. (ft.)	N/A	80.4	4.8	94.6	Top of Shaft
	Bottom of Shaft elev. (ft.)	75.5	75.4			
	Shaft Length (ft.)	19.1	19.2			
	Socket Length (ft.)	4.0	5.0			
	Rock Core Length (ft.)	N/A	N/A	7.0	92.4	Gray brown lean Clay
	Elevation Reference:	Finish Floor				
Date/Time		Date	Time	9.0	90.4	Tan Weathered Shale
	Drilling Start:	07/02/24	12:50 PM			
	Drilling End:	07/02/24	2:20 AM			
	Concrete Placement Start:	07/02/24	2:35 PM	12.0	87.4	Gray weathered shale
	Concrete Placement Stop:	07/02/24	2:45 PM			
Drilled Shaft Observations	Casing (Yes/No?)		N			
	Shaft Plumbness in tolerance (Yes/No)?		Y	15.0	84.4	Gray Shale with inter-bedded limestone
	Ground Water Observed (Yes/No)?		N			
	Ground Water Depth from Grade (ft.)		N/A			
	Reinforcing Steel per plan (Yes/No)?		Y			
	Other Remarks/ Observations					
Probe Hole	Probe Hole (Date/Time)?	N/A	N/A			
	Shaft Entered by:	N/A				
	Probe Hole Depth (ft.)	N/A	N/A	24.0	75.4	Bottom of Shaft
	Remarks:			Bearing Material Description: Limestone		
Drilled Shaft Contractor: Great Plains Drilling, Inc.				Design Bearing Capacity: 25 kips		
General Contractor: McCownGordan						
Client: City of Lee's Summit, Mo.						
Reviewed By: Steve Birtz						
*Observations include top/bottom of casing, ground water depth, nature and locations of obstructions, soil stratum, elevation of core barrel, etc.						

Drilled Shaft
(not to scale)



Drilled Shaft Record

Project Name: Lee's Summit Market Plaza

Project Number: J040917.09

Technician: Ryan Davidson

Shaft No./ Location: CA/C5

Pier Type: 48"

		Design	Observed	Drilled Shaft Log			
Drilling Information	Shaft Diameter (in.)	48	48	Depth (ft.)	Elev. (ft.)	Drilled Shaft (not to scale)	Grade
	Socket Diameter (in.)	48	48				
	Grade elevation (ft.)	N/A	99.4				Clay w/concrete, rock fragments
	Top of Shaft elev. (ft.)	94.6	94.6				Top of Shaft
	Top of Rock elev. (ft.)	N/A	80.9				
	Top of Socket elev. (ft.)	N/A	80.9	4.8	94.6		
	Bottom of Shaft elev. (ft.)	75.5	75.4				
	Shaft Length (ft.)	19.1	19.2				
	Socket Length (ft.)	4.0	5.5				
	Rock Core Length (ft.)	N/A	N/A	9.0	90.4		Gray brown Clay
	Elevation Reference:	Finish Floor					
Date/Time		Date	Time	11.0	88.4	Tan Weathered Shale	
	Drilling Start:	07/03/24	7:30 AM				
	Drilling End:	07/03/24	8:40 AM				
	Concrete Placement Start:	07/03/24	10:30 AM	13.0	86.4	Gray weathered shale	
	Concrete Placement Stop:	07/03/24	10:40 AM				
Drilled Shaft Observations	Casing (Yes/No?)		N				
	Shaft Plumbness in tolerance (Yes/No)?		Y	15.0	84.4	Gray Shale with inter-bedded limestone	
	Ground Water Observed (Yes/No)?		Y				
	Ground Water Depth from Grade (ft.)		21.0				
	Reinforcing Steel per plan (Yes/No)?		Y				
	Other Remarks/ Observations	Contractor drilled to plan depth to avoid cutting reinforcing steel cage.					
			18.5	80.9	Top of Rock		
Water was pumped out prior to concrete placement.			18.5	80.9	Top of Socket		
Probe Hole	Probe Hole (Date/Time)?	N/A	N/A			Limestone	
	Shaft Entered by:	N/A					
	Probe Hole Depth (ft.)	N/A	N/A	24.0	75.4	Bottom of Shaft	
	Remarks:			Bearing Material Description: Limestone			
Drilled Shaft Contractor: Great Plains Drilling, Inc.				Design Bearing Capacity: 25 kips			
General Contractor: McCownGordan							
Client: City of Lee's Summit, Mo.							
Reviewed By: Steve Biritz							
*Observations include top/bottom of casing, ground water depth, nature and locations of obstructions, soil stratum, elevation of core barrel, etc.							



Drilled Shaft Record

Project Name: Lee's Summit Market Plaza

Project Number: J040917.09

Technician: Ryan Davidson

Shaft No./ Location: CA/C6

Pier Type: 48"

		Design	Observed	Drilled Shaft Log			
Drilling Information	Shaft Diameter (in.)	48	48	Depth (ft.)	Elev. (ft.)	Drilled Shaft (not to scale)	Grade
	Socket Diameter (in.)	48	48				
	Grade elevation (ft.)	N/A	99.4				Clay w/concrete, rock
	Top of Shaft elev. (ft.)	94.6	94.6				fragments
	Top of Rock elev. (ft.)	N/A	80.9				Top of Shaft
	Top of Socket elev. (ft.)	N/A	80.9	4.8	94.6		
	Bottom of Shaft elev. (ft.)	75.5	75.4				
	Shaft Length (ft.)	19.1	19.2				
	Socket Length (ft.)	4.0	5.5				
	Rock Core Length (ft.)	N/A	N/A	8.0	91.4		Gray brown lean Clay
	Elevation Reference:	Finish Floor					
Date/Time		Date	Time	11.0	88.4		Tan Weathered Shale
	Drilling Start:	07/03/24	8:50 AM				
	Drilling End:	07/03/24	10:10 AM				
	Concrete Placement Start:	07/03/24	10:20 AM	13.0	86.4		Gray weathered shale
	Concrete Placement Stop:	07/03/24	10:25 AM				
Drilled Shaft Observations	Casing (Yes/No?)		N				
	Shaft Plumbness in tolerance (Yes/No)?		Y	15.0	84.4		Gray Shale with inter-bedded limestone
	Ground Water Observed (Yes/No)?		Y				
	Ground Water Depth from Grade (ft.)		21.0				
	Reinforcing Steel per plan (Yes/No)?		Y				
	Other Remarks/ Observations	Contractor drilled to plan depth to avoid cutting reinforcing steel cage.					
			18.5	80.9		Top of Rock	
Water was pumped out prior to concrete placement.						Limestone	
			18.5	80.9		Top of Socket	
						Limestone	
Probe Hole	Probe Hole (Date/Time)?	N/A	N/A				
	Shaft Entered by:	N/A		23.5	75.9		Gray Shale
	Probe Hole Depth (ft.)	N/A	N/A	24.0	75.4		Bottom of Shaft
	Remarks:			Bearing Material Description: Limestone			
Drilled Shaft Contractor: Great Plains Drilling, Inc.				Design Bearing Capacity: 25 kips			
General Contractor: McCownGordan							
Client: City of Lee's Summit, Mo.							
Reviewed By: Steve Biritz				*Observations include top/bottom of casing, ground water depth, nature and locations of obstructions, soil stratum, elevation of core barrel, etc.			



Drilled Shaft Record

Project Name: Lee's Summit Market Plaza

Shaft No./ Location: CB/C6

Project Number: J040917.09

Pier Type: 48"

Technician: Ryan Davidson

		<i>Design</i>	<i>Observed</i>	<i>Drilled Shaft Log</i>			
Drilling Information	Shaft Diameter (in.)	48	48	Depth (ft.)	Elev. (ft.)	Drilled Shaft (not to scale)	Observation*
	Socket Diameter (in.)	48	48				
	Grade elevation (ft.)	N/A	99.6				Mottled browns lean
	Top of Shaft elev. (ft.)	92.8	92.8				Clay w/concrete, rock
	Top of Rock elev. (ft.)	N/A	83.6				
	Top of Socket elev. (ft.)	N/A	83.6	6.8	92.8		Top of Shaft
	Bottom of Shaft elev. (ft.)	75.5	78.8				Brown mottled gray
	Shaft Length (ft.)	17.3	14.0				Clay
	Socket Length (ft.)	4.0	4.8				
	Rock Core Length (ft.)	N/A	N/A	10.6	89.0		Tan Weathered Shale
	Elevation Reference:	Finish Floor					
Date/Time		Date	Time				
	Drilling Start:	07/09/24	10:35 AM				
	Drilling End:	07/09/24	11:50 AM				
	Concrete Placement Start:	07/09/24	N/A	14.5	85.1	Gray weathered shale	
	Concrete Placement Stop:	07/09/24	N/A				
Drilled Shaft Observations	Casing (Yes/No?)		N				
	Shaft Plumbness in tolerance (Yes/No)?		Y				
	Ground Water Observed (Yes/No)?		Y				
	Ground Water Depth from Grade (ft.)		18.5				
	Reinforcing Steel per plan (Yes/No)?		Y				
	Other Remarks/ Observations	Water was pumped out prior to concrete placement.					
16.0				83.6	Top of Rock		
16.0				83.6	Top of Socket		
Probe Hole	Probe Hole (Date/Time)?	N/A	N/A				
	Shaft Entered by:	N/A					
	Probe Hole Depth (ft.)	N/A	N/A	20.8	78.8	Bottom of Shaft	
	Remarks:			Bearing Material Description: Limestone			
Drilled Shaft Contractor: Great Plains Drilling, Inc.				Design Bearing Capacity: 25 kips			
General Contractor: McCownGordan							
Client: City of Lee's Summit, Mo.							
Reviewed By: Steve Biritz						*Observations include top/bottom of casing, ground water depth, nature and locations of obstructions, soil stratum, elevation of core barrel, etc.	



Drilled Shaft Record

Project Name: Lee's Summit Market Plaza

Shaft No./ Location: CC/C1

Project Number: J040917.09

Pier Type: 48"

Technician: Ryan Davidson

		<i>Design</i>	<i>Observed</i>	<i>Drilled Shaft Log</i>		
Drilling Information	Shaft Diameter (in.)	48	48	Depth (ft.) Elev. (ft.)		Observation*
	Socket Diameter (in.)	48	48	0.0	98.5	Grade
	Grade elevation (ft.)	N/A	98.5			Mottled browns lean
	Top of Shaft elev. (ft.)	92.8	92.8			Clay w/concrete, rock
	Top of Rock elev. (ft.)	N/A	81.5			fragments
	Top of Socket elev. (ft.)	N/A	81.5	5.7	92.8	Top of Shaft
	Bottom of Shaft elev. (ft.)	75.5	77.0			
	Shaft Length (ft.)	17.3	15.8	7.0	91.5	Mottled brown and
	Socket Length (ft.)	4.0	4.5			gray clay
	Rock Core Length (ft.)	N/A	N/A			
Elevation Reference:		Finish Floor				
Date/Time	Date		Time	12.0	86.5	Tan weathered Shale
	Drilling Start:	07/08/24	12:00 PM			
	Drilling End:	07/08/24	2:10 PM			
	Concrete Placement Start:	07/08/24	N/A	14.5	84.0	Gray weathered shale
	Concrete Placement Stop:	07/08/24	N/A			
Drilled Shaft Observations	Casing (Yes/No?)		N			
	Shaft Plumbness in tolerance (Yes/No)?		Y			
	Ground Water Observed (Yes/No)?		Y			
	Ground Water Depth from Grade (ft.)		19.5			
	Reinforcing Steel per plan (Yes/No)?		Y			
	Other Remarks/ Observations	Water was pumped out prior to concrete placement.				
			17.0	81.5	Top of Rock	
					Limestone	
			17.0	81.5	Top of Socket	
					Limestone	
Probe Hole	Probe Hole (Date/Time)?	N/A	N/A			
	Shaft Entered by:	N/A				
	Probe Hole Depth (ft.)	N/A	N/A	21.5	77.0	Bottom of Shaft
	Remarks:			Bearing Material Description: Limestone		
Drilled Shaft Contractor: Great Plains Drilling, Inc.				Design Bearing Capacity: 25 kips		
General Contractor: McCownGordan						
Client: City of Lee's Summit, Mo.				*Observations include top/bottom of casing, ground water depth, nature and locations of obstructions, soil stratum, elevation of core barrel, etc.		
Reviewed By: Steve Biritz						

Drilled Shaft
(not to scale)



Drilled Shaft Record

Project Name: Lee's Summit Market Plaza

Shaft No./ Location: CC/C2

Project Number: J040917.09

Pier Type: 48"

Technician: Ryan Davidson

		<i>Design</i>	<i>Observed</i>	<i>Drilled Shaft Log</i>			
Drilling Information	Shaft Diameter (in.)	48	48	Depth (ft.)	Elev. (ft.)	Drilled Shaft (not to scale)	Observation*
	Socket Diameter (in.)	48	48				
	Grade elevation (ft.)	N/A	98.8				Mottled browns lean
	Top of Shaft elev. (ft.)	92.8	92.8				Clay w/concrete, rock
	Top of Rock elev. (ft.)	N/A	79.8				fragments
	Top of Socket elev. (ft.)	N/A	79.8	6.0	92.8		Top of Shaft
	Bottom of Shaft elev. (ft.)	75.5	74.5				
	Shaft Length (ft.)	17.3	18.3	8.0	90.8		Mottled brown and
	Socket Length (ft.)	4.0	5.3				gray clay
	Rock Core Length (ft.)	N/A	N/A				
	Elevation Reference:	Finish Floor					
Date/Time		Date	Time	12.0	86.8	Tan Weathered Shale	
	Drilling Start:	07/08/24	10:40 AM				
	Drilling End:	07/08/24	11:50 AM				
	Concrete Placement Start:	07/08/24	N/A	14.0	84.8	Gray weathered	
	Concrete Placement Stop:	07/08/24	N/A				
Drilled Shaft Observations	Casing (Yes/No?)		N				
	Shaft Plumbness in tolerance (Yes/No)?		Y	16.0	82.8	Gray Shale with inter-bedded limestone	
	Ground Water Observed (Yes/No)?		Y				
	Ground Water Depth from Grade (ft.)		23.3				
	Reinforcing Steel per plan (Yes/No)?		Y				
	Other Remarks/ Observations	Water was pumped out prior to concrete placement.					
19.0				79.8	Top of Rock		
					Limestone		
Probe Hole	Probe Hole (Date/Time)?	N/A	N/A			Top of Socket	
	Shaft Entered by:	N/A				Limestone	
	Probe Hole Depth (ft.)	N/A	N/A	24.3	74.5	Bottom of Shaft	
	Remarks:			Bearing Material Description: Limestone			
Drilled Shaft Contractor: Great Plains Drilling, Inc.				Design Bearing Capacity: 25 kips			
General Contractor: McCownGordan							
Client: City of Lee's Summit, Mo.							
Reviewed By: Steve Biritz							
*Observations include top/bottom of casing, ground water depth, nature and locations of obstructions, soil stratum, elevation of core barrel, etc.							



Drilled Shaft Record

Project Name: Lee's Summit Market Plaza

Shaft No./ Location: CC/C3

Project Number: J040917.09

Pier Type: 48"

Technician: Ryan Davidson

		<i>Design</i>	<i>Observed</i>	<i>Drilled Shaft Log</i>			
Drilling Information	Shaft Diameter (in.)	48	48	Depth (ft.)	Elev. (ft.)	Drilled Shaft (not to scale)	Observation*
	Socket Diameter (in.)	48	48				
	Grade elevation (ft.)	N/A	99.5				Mottled browns lean
	Top of Shaft elev. (ft.)	92.8	92.8				Clay w/concrete, rock
	Top of Rock elev. (ft.)	N/A	80.0				fragments
	Top of Socket elev. (ft.)	N/A	80.0	6.7	92.8		Top of Shaft
	Bottom of Shaft elev. (ft.)	75.5	75.5				
	Shaft Length (ft.)	17.3	17.3				
	Socket Length (ft.)	4.0	4.5				
	Rock Core Length (ft.)	N/A	N/A				
	Elevation Reference:	Finish Floor					
Date/Time		Date	Time	11.0	88.5	Tan Weathered Shale	
	Drilling Start:	07/08/24	9:20 AM				
	Drilling End:	07/08/24	10:30 AM				
	Concrete Placement Start:	07/08/24	N/A	13.0	86.5	Gray Weathered	
	Concrete Placement Stop:	07/08/24	N/A			Shale	
Drilled Shaft Observations	Casing (Yes/No?)		N				
	Shaft Plumbness in tolerance (Yes/No)?		Y	15.0	84.5	Gray Shale with inter-bedded limestone	
	Ground Water Observed (Yes/No)?		Y				
	Ground Water Depth from Grade (ft.)		21.0				
	Reinforcing Steel per plan (Yes/No)?		Y				
	Other Remarks/Observations	Water was pumped out prior to concrete placement.					
19.5				80.0	Top of Rock		
					Limestone		
Probe Hole	Probe Hole (Date/Time)?	N/A	N/A			Top of Socket	
	Shaft Entered by:	N/A				Limestone	
	Probe Hole Depth (ft.)	N/A	N/A	24.0	75.5	Bottom of Shaft	
	Remarks:			Bearing Material Description: Limestone			
Drilled Shaft Contractor: Great Plains Drilling, Inc.				Design Bearing Capacity: 25 kips			
General Contractor: McCownGordan							
Client: City of Lee's Summit, Mo.							
Reviewed By: Steve Birtz				*Observations include top/bottom of casing, ground water depth, nature and locations of obstructions, soil stratum, elevation of core barrel, etc.			



Drilled Shaft Record

Project Name: Lee's Summit Market Plaza

Project Number: J040917.09

Technician: Ryan Davidson

Shaft No./ Location: CC/C4

Pier Type: 48"

		Design	Observed	Drilled Shaft Log				
Drilling Information	Shaft Diameter (in.)	48	48	Depth (ft.)	Elev. (ft.)	Drilled Shaft (not to scale)	Observation*	
	Socket Diameter (in.)	48	48					0.0
	Grade elevation (ft.)	N/A	100.8					Mottled browns lean
	Top of Shaft elev. (ft.)	92.8	92.8					Clay w/concrete, rock
	Top of Rock elev. (ft.)	N/A	81.3	7.0	93.8			Brown Clay
	Top of Socket elev. (ft.)	N/A	81.3	8.0	92.8			Top of Shaft
	Bottom of Shaft elev. (ft.)	75.5	75.3					
	Shaft Length (ft.)	17.3	17.5					
	Socket Length (ft.)	4.0	6.0					
	Rock Core Length (ft.)	N/A	N/A					
	Elevation Reference:	Finish Floor						
Date/Time		Date	Time	11.0	89.8	Tan Weathered Shale		
	Drilling Start:	07/08/24	9:20 AM					
	Drilling End:	07/08/24	10:30 AM					
	Concrete Placement Start:	07/08/24	9:25 AM	13.5	87.3	Gray Weathered Shale		
	Concrete Placement Stop:	07/08/24	9:30 AM					
Drilled Shaft Observations	Casing (Yes/No?)		N					
	Shaft Plumbness in tolerance (Yes/No)?		Y	15.0	85.8	Gray Shale with inter-bedded limestone		
	Ground Water Observed (Yes/No)?		Y					
	Ground Water Depth from Grade (ft.)		21.0					
	Reinforcing Steel per plan (Yes/No)?		Y					
	Other Remarks/ Observations	Water was pumped out prior to concrete placement.						
19.5				81.3	Top of Rock			
					Limestone			
Probe Hole	Probe Hole (Date/Time)?	N/A	N/A					
	Shaft Entered by:	N/A						
	Probe Hole Depth (ft.)	N/A	N/A	25.5	75.3	Bottom of Shaft		
	Remarks:			Bearing Material Description: Limestone				
Drilled Shaft Contractor: Great Plains Drilling, Inc.				Design Bearing Capacity: 25 kips				
General Contractor: McCownGordan								
Client: City of Lee's Summit, Mo.				*Observations include top/bottom of casing, ground water depth, nature and locations of obstructions, soil stratum, elevation of core barrel, etc.				
Reviewed By: Steve Birtz								



Drilled Shaft Record

Project Name: Lee's Summit Market Plaza

Shaft No./ Location: CC/C5

Project Number: J040917.09

Pier Type: 48"

Technician: Ryan Davidson

		<i>Design</i>	<i>Observed</i>	<i>Drilled Shaft Log</i>			
Drilling Information	Shaft Diameter (in.)	48	48	Depth (ft.)	Elev. (ft.)	Drilled Shaft (not to scale)	Observation*
	Socket Diameter (in.)	48	48				
	Grade elevation (ft.)	N/A	99.5				Mottled browns lean
	Top of Shaft elev. (ft.)	92.8	92.8				Clay w/concrete, rock
	Top of Rock elev. (ft.)	N/A	81.5				
	Top of Socket elev. (ft.)	N/A	81.5	6.7	92.8		Top of Shaft
	Bottom of Shaft elev. (ft.)	75.5	75.2				
	Shaft Length (ft.)	17.3	17.6				
	Socket Length (ft.)	4.0	6.3				
	Rock Core Length (ft.)	N/A	N/A	10.0	89.5		Tan Weathered Shale
	Elevation Reference:	Finish Floor					
Date/Time		Date	Time				
	Drilling Start:	07/09/24	8:45 AM				
	Drilling End:	07/09/24	10:15 AM				
	Concrete Placement Start:	07/09/24	N/A	12.0	87.5	Gray weathered shale	
	Concrete Placement Stop:	07/09/24	N/A				
Drilled Shaft Observations	Casing (Yes/No?)		N				
	Shaft Plumbness in tolerance (Yes/No)?		Y				
	Ground Water Observed (Yes/No)?		Y				
	Ground Water Depth from Grade (ft.)		22.0				
	Reinforcing Steel per plan (Yes/No)?		Y				
	Other Remarks/ Observations	Water was pumped out prior to concrete placement.					
18.0				81.5	Top of Rock		
					Limestone		
Probe Hole	Probe Hole (Date/Time)?	N/A	N/A				
	Shaft Entered by:	N/A					
	Probe Hole Depth (ft.)	N/A	N/A	24.3	75.2	Bottom of Shaft	
	Remarks:			Bearing Material Description: Limestone			
Drilled Shaft Contractor: Great Plains Drilling, Inc.				Design Bearing Capacity: 25 kips			
General Contractor: McCownGordan							
Client: City of Lee's Summit, Missouri							
Reviewed By: Steve Biritz							
*Observations include top/bottom of casing, ground water depth, nature and locations of obstructions, soil stratum, elevation of core barrel, etc.							



Report Date: 07/26/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Travis Grimes

Report No.: 167951

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Footing at Line A, 1 to 5

Cast Date: 06/28/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.50	Supplier:	Quicksilver Readymix
Air Content, ASTM C231 (%):	6.2	Mix Design:	GE45B6W7
Conc. Temp., ASTM C1064 (°F):	80	Truck/Ticket No.:	4781560/25866796
Ambient Temp. (°F):	73	Batch Time:	11:08:00
Unit Weight, ASTM C138 (p.c.f.):	145.2	Sample Time:	12:08:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	60
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Seth T. Littlestone
Specified Strength (psi):	4,500	Received in Lab:	06/29/2024
Average Strength (psi):	7,190	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
167951-1-1	--	12.57	4.00	64120	5100	2/N	07/05/2024	7
167951-1-2	--	12.57	4.00	93690	7460	2/N	07/26/2024	28
167951-1-3	--	12.57	4.00	96770	7700	2/N	07/26/2024	28
167951-1-4	--	12.57	4.00	80540	6410	2/N	07/26/2024	28
167951-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/5/2024)
Angela D. Coates (7/26/2024)

Reviewed by: Stephen C. Damron (CMT Manager)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/01/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 168487

Contractor: Great Plains Drilling, Inc.

Set No.: 1

Sample Location: Drilled pier at Grid CA/C2

Cast Date: 07/02/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	2.3	Mix Design:	345A2D03
Conc. Temp., ASTM C1064 (°F):	85	Truck/Ticket No.:	287/37229181
Ambient Temp. (°F):	91	Batch Time:	11:36:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	11:51:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	15
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	07/03/2024
Average Strength (psi):	6,977	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
168487-1-1	--	12.57	4.00	72260	5750	2/N	07/09/2024	7
168487-1-2	--	12.44	3.98	83630	6720	5/N	07/30/2024	28
168487-1-3	--	12.44	3.98	84440	6790	2/N	07/30/2024	28
168487-1-4	--	12.44	3.98	92320	7420	2/N	07/30/2024	28
168487-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/9/2024)
Angela D. Coates (7/30/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/01/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 168512

Contractor:

Set No.: 1

Sample Location: Drilled pier at Grid CA/C5

Cast Date: 07/03/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	2.3	Mix Design:	345A2D03
Conc. Temp., ASTM C1064 (°F):	83	Truck/Ticket No.:	297/37229197
Ambient Temp. (°F):	90	Batch Time:	09:00:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	09:38:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	38
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	07/04/2024
Average Strength (psi):	6,487	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
168512-1-1	--	12.44	3.98	64850	5210	2/N	07/10/2024	7
168512-1-2	--	12.57	4.00	81690	6500	2/N	07/31/2024	28
168512-1-3	--	12.57	4.00	78870	6280	2/N	07/31/2024	28
168512-1-4	--	12.57	4.00	83970	6680	3/N	07/31/2024	28
168512-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/10/2024)
Angela D. Coates (7/31/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/01/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 168512

Contractor: Musselman and Hall Contractors, LLC

Set No.: 2

Sample Location: Footings at Line 2, A.2 to B

Cast Date: 07/03/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Quicksilver Readymix
Air Content, ASTM C231 (%):	5.3	Mix Design:	GE45B6W7
Conc. Temp., ASTM C1064 (°F):	84	Truck/Ticket No.:	4789910/25866871
Ambient Temp. (°F):	85	Batch Time:	01:27:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	01:54:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	27
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	07/04/2024
Average Strength (psi):	6,447	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
168512-2-1	--	12.44	3.98	64290	5170	2/N	07/10/2024	7
168512-2-2	--	12.57	4.00	75960	6040	2/N	07/31/2024	28
168512-2-3	--	12.57	4.00	87200	6940	2/N	07/31/2024	28
168512-2-4	--	12.57	4.00	79950	6360	2/N	07/31/2024	28
168512-2-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/10/2024)
Angela D. Coates (7/31/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/05/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 168643

Contractor: Great Plains Drilling, Inc.

Set No.: 1

Sample Location: Drilled pier at Grid CC/C4

Cast Date: 07/08/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.25	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	2.7	Mix Design:	345A2D03
Conc. Temp., ASTM C1064 (°F):	84	Truck/Ticket No.:	297/37339197
Ambient Temp. (°F):	82	Batch Time:	09:00:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	09:28:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	28
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	07/09/2024
Average Strength (psi):	6,247	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
168643-1-1	--	12.50	3.99	67590	5410	5/N	07/15/2024	7
168643-1-2	--	12.50	3.99	78220	6260	2/N	08/05/2024	28
168643-1-3	--	12.50	3.99	77500	6200	2/N	08/05/2024	28
168643-1-4	--	12.50	3.99	78560	6280	2/N	08/05/2024	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/15/2024)
Angela D. Coates (8/5/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/05/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 168643

Contractor: Musselman and Hall Contractors, LLC

Set No.: 2

Sample Location: Footing at Line 1, A.2 to B.5

Cast Date: 07/08/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Talon Concrete
Air Content, ASTM C231 (%):	3.2	Mix Design:	GE45B6W7
Conc. Temp., ASTM C1064 (°F):	83	Truck/Ticket No.:	4782306/25500495
Ambient Temp. (°F):	87	Batch Time:	01:19:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	01:44:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	25
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	07/09/2024
Average Strength (psi):	5,793	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
168643-2-1	--	12.50	3.99	57270	4580	5/N	07/15/2024	7
168643-2-2	--	12.50	3.99	74180	5930	5/N	08/05/2024	28
168643-2-3	--	12.50	3.99	74710	5980	2/N	08/05/2024	28
168643-2-4	--	12.50	3.99	68420	5470	2/N	08/05/2024	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/15/2024)
Angela D. Coates (8/5/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)
Talon Concrete (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/09/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 168665

Contractor: Great Plains Drilling, Inc.

Set No.: 1

Sample Location: Drilled pier at Grid CA/C1

Cast Date: 07/09/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.25	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	2.3	Mix Design:	345A2D03
Conc. Temp., ASTM C1064 (°F):	84	Truck/Ticket No.:	287/37229244
Ambient Temp. (°F):	88	Batch Time:	08:58:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	09:24:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	26
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	07/10/2024
Average Strength (psi):	6,147	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
168665-1-1	--	12.50	3.99	65870	5270	2/N	07/16/2024	7
168665-1-2	--	12.44	3.98	78150	6280	2/N	08/06/2024	28
168665-1-3	--	12.44	3.98	76330	6140	2/N	08/06/2024	28
168665-1-4	--	12.44	3.98	74930	6020	2/N	08/06/2024	28
168665-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/16/2024)
Angela D. Coates (8/6/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

Field Cured Samples: 168665-1-3



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/09/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 168665

Contractor: Musselman and Hall Contractors, LLC

Set No.: 2

Sample Location: Footing at Line A, 4.6 to 5.3

Cast Date: 07/09/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Quicksilver Readymix
Air Content, ASTM C231 (%):	5.6	Mix Design:	GE45B6W7
Conc. Temp., ASTM C1064 (°F):	89	Truck/Ticket No.:	4781574/25022563
Ambient Temp. (°F):	91	Batch Time:	01:10:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	01:45:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	35
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	07/10/2024
Average Strength (psi):	6,020	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
168665-2-1	--	12.50	3.99	59620	4770	2/N	07/16/2024	7
168665-2-2	--	12.44	3.98	74240	5970	2/N	08/06/2024	28
168665-2-3	--	12.44	3.98	75350	6060	2/N	08/06/2024	28
168665-2-4	--	12.44	3.98	74970	6030	2/N	08/06/2024	28
168665-2-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks: Contractor was informed temp was getting high and hot weather concrete considerations should be taken moving forward(as temps get hotter)

Tested By: Angela D. Coates (7/16/2024)
Angela D. Coates (8/6/2024)

Reviewed by: Peter F. Brull (Senior Engineer)



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/09/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 168987

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Footings at Line 7, A to C.2

Cast Date: 07/11/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	8.00	Supplier:	Talon Concrete
Air Content, ASTM C231 (%):	7.0	Mix Design:	GE54B6W7
Conc. Temp., ASTM C1064 (°F):	83	Truck/Ticket No.:	4782303/25022586
Ambient Temp. (°F):	89	Batch Time:	11:17:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	12:24:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	67
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	James A. Surber
Specified Strength (psi):	4,000	Received in Lab:	07/12/2024
Average Strength (psi):	5,160	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
168987-1-1	--	12.50	3.99	47430	3790	2/N	07/18/2024	7
168987-1-2	--	12.50	3.99	66230	5300	2/N	08/08/2024	28
168987-1-3	--	12.50	3.99	63360	5070	2/N	08/08/2024	28
168987-1-4	--	12.50	3.99	63910	5110	2/N	08/08/2024	28
168987-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks: This load contained high-range chemical admixture.

Tested By: Angela D. Coates (7/18/2024)
Angela D. Coates (8/8/2024)

Reviewed by: Peter F. Brull (Senior Engineer)



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)
Talon Concrete (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/12/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 168970

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Footings at Grids B/4, B/5, and D/5

Cast Date: 07/12/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.25	Supplier:	Quick Silver
Air Content, ASTM C231 (%):	5.4	Mix Design:	GE45B6W7
Conc. Temp., ASTM C1064 (°F):	86	Truck/Ticket No.:	4781560/25022587
Ambient Temp. (°F):	92	Batch Time:	10:58:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	11:12:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	14
Truck/Accum. Quantity (yd. ³):	9/9	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	07/13/2024
Average Strength (psi):	7,323	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
168970-1-1	--	12.50	3.99	63310	5060	2/N	07/19/2024	7
168970-1-2	--	12.44	3.98	97950	7870	2/N	08/09/2024	28
168970-1-3	--	12.44	3.98	91240	7330	2/N	08/09/2024	28
168970-1-4	--	12.44	3.98	84210	6770	2/N	08/09/2024	28
168970-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/19/2024)
Angela D. Coates (8/9/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/12/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Travis Grimes

Report No.: 169072

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Footing at Line C.2, 6.5 to 6.7

Cast Date: 07/15/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.00	Supplier:	Quicksilver Readymix
Air Content, ASTM C231 (%):	5.5	Mix Design:	GE40B6W7
Conc. Temp., ASTM C1064 (°F):	92	Truck/Ticket No.:	4789911/25867026
Ambient Temp. (°F):	98	Batch Time:	12:49:00
Unit Weight, ASTM C138 (p.c.f.):	145.6	Sample Time:	13:50:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	61
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Seth T. Littlestone
Specified Strength (psi):	4,000	Received in Lab:	07/16/2024
Average Strength (psi):	6,053	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
169072-1-1	--	12.63	4.01	52960	4190	2/N	07/22/2024	7
169072-1-2	--	12.50	3.99	66800	5340	2/N	08/12/2024	28
169072-1-3	--	12.50	3.99	81540	6520	2/N	08/12/2024	28
169072-1-4	--	12.50	3.99	78810	6300	2/N	08/12/2024	28
169072-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/22/2024)
Angela D. Coates (8/12/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/15/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: Musselman and Hall Contractors, LLC

Ave. Temperature/Weather: 90°F Ptl. Cloudy

Site Contact: Travis Grimes

Report No.: 169263

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Footing at Line E, 2 to 5

Cast Date: 07/17/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	3.00	Supplier:	Quicksilver Readymix
Air Content, ASTM C231 (%):	5.0	Mix Design:	EXT Walls/FNDTNS
Conc. Temp., ASTM C1064 (°F):	90	Truck/Ticket No.:	4781620/25867122
Ambient Temp. (°F):	90	Batch Time:	13:51:00
Unit Weight, ASTM C138 (p.c.f.):	144.4	Sample Time:	14:45:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	54
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Linda A. Souder
Specified Strength (psi):	4,000	Received in Lab:	07/18/2024
Average Strength (psi):	6,717	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
169263-1-1	--	12.57	4.00	70480	5610	2/N	07/24/2024	7
169263-1-2	--	12.57	4.00	78690	6260	2/N	08/14/2024	28
169263-1-3	--	12.57	4.00	85670	6820	2/N	08/14/2024	28
169263-1-4	--	12.57	4.00	88890	7070	2/N	08/14/2024	28
169263-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/24/2024)
Angela D. Coates (8/14/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/15/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 80°F Sunny

Site Contact: Chris Nichols

Report No.: 169259

Contractor: McCownGordon

Set No.: 1

Sample Location: Footings at Line E, 1 to 2

Cast Date: 07/18/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.00	Supplier:	Quicksilver Readymix
Air Content, ASTM C231 (%):	6.0	Mix Design:	GE45B6W7
Conc. Temp., ASTM C1064 (°F):	83	Truck/Ticket No.:	4781560/25867194
Ambient Temp. (°F):	80	Batch Time:	12:09:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	13:00:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	51
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Leo A. Riggs
Specified Strength (psi):	4,500	Received in Lab:	07/19/2024
Average Strength (psi):	7,333	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
169259-1-1	--	12.50	3.99	75940	6070	2/N	07/25/2024	7
169259-1-2	--	12.44	3.98	92630	7450	3/N	08/15/2024	28
169259-1-3	--	12.44	3.98	96080	7720	2/N	08/15/2024	28
169259-1-4	--	12.44	3.98	84910	6830	2/N	08/15/2024	28
169259-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/25/2024)
Angela D. Coates (8/15/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/20/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Travis Grimes

Report No.: 169316

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Pier caps at Grids CC/C1, CC/C2, and CC/C3

Cast Date: 07/19/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.50	Supplier:	Quicksilver Readymix
Air Content, ASTM C231 (%):	5.6	Mix Design:	GE45B6W7
Conc. Temp., ASTM C1064 (°F):	81	Truck/Ticket No.:	4782404/25867257
Ambient Temp. (°F):	86	Batch Time:	11:46:00
Unit Weight, ASTM C138 (p.c.f.):	145.2	Sample Time:	12:48:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	62
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Seth T. Littlestone
Specified Strength (psi):	4,500	Received in Lab:	07/20/2024
Average Strength (psi):	6,660	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
169316-1-1	--	12.57	4.00	57930	4610	2/N	07/26/2024	7
169316-1-2	--	12.57	4.00	87430	6960	2/N	08/16/2024	28
169316-1-3	--	12.57	4.00	73080	5820	3/N	08/16/2024	28
169316-1-4	--	12.57	4.00	90420	7200	2/N	08/16/2024	28
169316-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/26/2024)
Angela D. Coates (8/16/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/22/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 80°F Ptl. Cloudy

Site Contact: Chris Nichols

Report No.: 169620

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Pier cap at Grid CC/4

Cast Date: 07/23/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	5.9	Mix Design:	345A2C17
Conc. Temp., ASTM C1064 (°F):	83	Truck/Ticket No.:	274/3722948
Ambient Temp. (°F):	80	Batch Time:	12:35:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	13:15:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	40
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Leo A. Riggs
Specified Strength (psi):	4,500	Received in Lab:	07/24/2024
Average Strength (psi):	5,150	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
169620-1-1	--	12.44	3.98	50200	4040	2/N	07/30/2024	7
169620-1-2	--	12.50	3.99	65430	5230	2/N	08/20/2024	28
169620-1-3	--	12.50	3.99	67940	5430	2/N	08/20/2024	28
169620-1-4	--	12.50	3.99	59900	4790	2/N	08/20/2024	28
169620-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (7/30/2024)
Angela D. Coates (8/20/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 08/23/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Travis Grimes

Report No.: 169957

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Footing extension for FRI 77 at Line 7, A to C.2

Cast Date: 07/26/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	6.6	Mix Design:	345A2C17
Conc. Temp., ASTM C1064 (°F):	83	Truck/Ticket No.:	110/35282889
Ambient Temp. (°F):	88	Batch Time:	10:51:00
Unit Weight, ASTM C138 (p.c.f.):	144.4	Sample Time:	11:30:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	39
Truck/Accum. Quantity (yd. ³):	6/6	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Seth T. Littlestone
Specified Strength (psi):	4,000	Received in Lab:	07/27/2024
Average Strength (psi):	5,577	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
169957-1-1	--	12.50	3.99	42050	3360	2/N	08/02/2024	7
169957-1-2	--	12.57	4.00	62050	4940	2/N	08/23/2024	28
169957-1-3	--	12.57	4.00	77690	6180	2/N	08/23/2024	28
169957-1-4	--	12.57	4.00	70520	5610	5/N	08/23/2024	28
169957-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (8/2/2024)
Angela D. Coates (8/23/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 09/12/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 73°F Cloudy

Site Contact: Travis Grimes

Report No.: 171428

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Slab-on-grade at Line D.7 to E, 2 to 3

Cast Date: 08/14/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.50	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	3.5	Mix Design:	4000 PL STR HR 0.48 - AI Crete
Conc. Temp., ASTM C1064 (°F):	78	Truck/Ticket No.:	297/37229952
Ambient Temp. (°F):	76	Batch Time:	05:36:00
Unit Weight, ASTM C138 (p.c.f.):	149.6	Sample Time:	06:15:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	39
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Linda A. Souder
Specified Strength (psi):	4,000	Received in Lab:	08/15/2024
Average Strength (psi):	5,690	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
171428-1-1	--	12.50	3.99	66300	5300	2/N	08/21/2024	7
171428-1-2	--	12.63	4.01	72390	5730	2/N	09/11/2024	28
171428-1-3	--	12.63	4.01	71420	5660	2/N	09/11/2024	28
171428-1-4	--	12.63	4.01	71720	5680	2/N	09/11/2024	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (8/21/2024)
Angela D. Coates (9/11/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 09/12/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 73°F Cloudy

Site Contact: Travis Grimes

Report No.: 171428

Contractor: Musselman and Hall Contractors, LLC

Set No.: 2

Sample Location: Slab-on-grade at Line A to B, 4 to 5

Cast Date: 08/14/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	7.50	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	2.8	Mix Design:	4000 PL STR HR 0.48 - AI Crete
Conc. Temp., ASTM C1064 (°F):	78	Truck/Ticket No.:	274/37229962
Ambient Temp. (°F):	76	Batch Time:	07:39:00
Unit Weight, ASTM C138 (p.c.f.):	150.2	Sample Time:	08:30:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	51
Truck/Accum. Quantity (yd. ³):	10/100	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Linda A. Souder
Specified Strength (psi):	4,000	Received in Lab:	08/15/2024
Average Strength (psi):	5,393	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
171428-2-1	--	12.50	3.99	64180	5130	2/N	08/21/2024	7
171428-2-2	--	12.63	4.01	70590	5590	2/N	09/11/2024	28
171428-2-3	--	12.63	4.01	65980	5220	2/N	09/11/2024	28
171428-2-4	--	12.63	4.01	67880	5370	2/N	09/11/2024	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (8/21/2024)
Angela D. Coates (9/11/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 09/13/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Travis Grimes

Report No.: 171526

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Slab-on-deck at Line A to E, 1 to 2 and Line A to E, 5.2 to 7

Cast Date: 08/15/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	4.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	3.0	Mix Design:	340A1D99
Conc. Temp., ASTM C1064 (°F):	70	Truck/Ticket No.:	297/37229985
Ambient Temp. (°F):	70	Batch Time:	07:02:00
Unit Weight, ASTM C138 (p.c.f.):	143.0	Sample Time:	07:42:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	40
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Seth T. Littlestone
Specified Strength (psi):	4,000	Received in Lab:	08/16/2024
Average Strength (psi):	5,917	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
171526-1-1	--	12.38	3.97	53890	4350	2/N	08/22/2024	7
171526-1-2	--	12.63	4.01	77040	6100	3/N	09/12/2024	28
171526-1-3	--	12.63	4.01	75760	6000	2/N	09/12/2024	28
171526-1-4	--	12.63	4.01	71370	5650	2/N	09/12/2024	28
171526-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (8/22/2024)
Angela D. Coates (9/12/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 09/18/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Travis Grimes

Report No.: 171686

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Footing for north overlook retaining wall

Cast Date: 08/19/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.4	Mix Design:	345A2C18
Conc. Temp., ASTM C1064 (°F):	74	Truck/Ticket No.:	274/37230064
Ambient Temp. (°F):	77	Batch Time:	13:32:00
Unit Weight, ASTM C138 (p.c.f.):	144.0	Sample Time:	14:01:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	29
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Seth T. Littlestone
Specified Strength (psi):	4,500	Received in Lab:	08/20/2024
Average Strength (psi):	6,207	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
171686-1-1	--	12.57	4.00	65580	5220	2/N	08/26/2024	7
171686-1-2	--	12.57	4.00	82720	6580	2/N	09/16/2024	28
171686-1-3	--	12.57	4.00	70430	5600	2/N	09/16/2024	28
171686-1-4	--	12.57	4.00	80880	6440	2/N	09/16/2024	28
171686-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (8/26/2024)
Angela D. Coates (9/16/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 09/18/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Travis Grimes

Report No.: 172083

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Footing for south overlook retaining wall

Cast Date: 08/20/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.25	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.1	Mix Design:	345A2C18
Conc. Temp., ASTM C1064 (°F):	70	Truck/Ticket No.:	288/37230096
Ambient Temp. (°F):	74	Batch Time:	12:39:00
Unit Weight, ASTM C138 (p.c.f.):	141.9	Sample Time:	13:12:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	33
Truck/Accum. Quantity (yd. ³):	8/8	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Seth T. Littlestone
Specified Strength (psi):	4,500	Received in Lab:	08/21/2024
Average Strength (psi):	4,983	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
172083-1-1	--	12.50	3.99	58900	4710	2/N	08/23/2024	3
172083-1-2	--	12.63	4.01	57800	4580	2/N	08/27/2024	7
172083-1-3	--	12.63	4.01	68490	5420	2/N	09/17/2024	28
172083-1-4	--	12.63	4.01	57460	4550	2/N	09/17/2024	28
172083-1-5	--	12.63	4.01	62940	4980	5/N	09/17/2024	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Katherine E. Boord (8/27/2024)
Angela D. Coates (9/17/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 09/24/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Travis Grimes

Report No.: 172384

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Transformer enclosure footings at Line B, 0 to 10 feet east of Line 1 and Line B.7, 0 to 10 feet east of Line 1

Cast Date: 08/26/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.3	Mix Design:	345A2C18
Conc. Temp., ASTM C1064 (°F):	83	Truck/Ticket No.:	859/37230222
Ambient Temp. (°F):	90	Batch Time:	12:15:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	13:00:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	45
Truck/Accum. Quantity (yd. ³):	8/8	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	08/27/2024
Average Strength (psi):	5,060	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
172384-1-1	--	12.50	3.99	44840	3590	2/N	09/02/2024	7
172384-1-2	--	12.63	4.01	57810	4580	2/N	09/23/2024	28
172384-1-3	--	12.63	4.01	67690	5360	2/N	09/23/2024	28
172384-1-4	--	12.63	4.01	66200	5240	2/N	09/23/2024	28
172384-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (9/2/2024)
Angela D. Coates (9/23/2024)

Reviewed by: Peter F. Brull (Senior Engineer)



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 09/27/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 172619

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Concrete planter box bases, north and south side of radius stairs, in front of city hall in work area C105
 Cast Date: 08/29/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.75	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.4	Mix Design:	344A2C18
Conc. Temp., ASTM C1064 (°F):	84	Truck/Ticket No.:	859/37230321
Ambient Temp. (°F):	88	Batch Time:	13:00:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	13:22:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	22
Truck/Accum. Quantity (yd. ³):	3/3	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	08/30/2024
Average Strength (psi):	5,117	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
172619-1-1	--	12.57	4.00	47950	3820	2/N	09/05/2024	7
172619-1-2	--	12.69	4.02	65750	5180	2/N	09/26/2024	28
172619-1-3	--	12.69	4.02	66820	5260	2/N	09/26/2024	28
172619-1-4	--	12.69	4.02	62300	4910	2/N	09/26/2024	28
172619-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (9/5/2024)
 Angela D. Coates (9/26/2024)

Reviewed by: Peter F. Brull (Senior Engineer)



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 10/02/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 173183

Contractor: McCownGordon

Set No.: 1

Sample Location: Cascade seating planter walls

Cast Date: 09/04/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	3.75	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.0	Mix Design:	345A2c17
Conc. Temp., ASTM C1064 (°F):	68	Truck/Ticket No.:	279/37230402
Ambient Temp. (°F):	--	Batch Time:	13:00:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	13:43:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	43
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Makhlouf Mansour
Specified Strength (psi):	4,000	Received in Lab:	09/05/2024
Average Strength (psi):	4,683	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
173183-1-1	--	12.63	4.01	46440	3680	2/N	09/11/2024	7
173183-1-2	--	12.57	4.00	60900	4850	2/N	10/02/2024	28
173183-1-3	--	12.57	4.00	62760	4990	2/N	10/02/2024	28
173183-1-4	--	12.57	4.00	52960	4210	2/N	10/02/2024	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (9/11/2024)
Angela D. Coates (10/2/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 10/11/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Travis Grimes

Report No.: 173546

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Cascade Seating Foundation

Cast Date: 09/11/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	4.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	7.1	Mix Design:	345A2C17
Conc. Temp., ASTM C1064 (°F):	73	Truck/Ticket No.:	300/37230558
Ambient Temp. (°F):	61	Batch Time:	10:29:00
Unit Weight, ASTM C138 (p.c.f.):	146.4	Sample Time:	10:58:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	29
Truck/Accum. Quantity (yd. ³):	8/8	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Seth T. Littlestone
Specified Strength (psi):	4,500	Received in Lab:	09/12/2024
Average Strength (psi):	6,693	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
173546-1-1	--	12.63	4.01	68620	5430	2/N	09/18/2024	7
173546-1-2	--	12.57	4.00	82130	6540	2/N	10/09/2024	28
173546-1-3	--	12.57	4.00	84870	6750	2/N	10/09/2024	28
173546-1-4	--	12.57	4.00	85360	6790	2/N	10/09/2024	28
173546-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (9/18/2024)
Angela D. Coates (10/9/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 11/07/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 175704

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Bench at top level of cascade stairs

Cast Date: 10/09/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	2.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	5.0	Mix Design:	345A2C17
Conc. Temp., ASTM C1064 (°F):	79	Truck/Ticket No.:	302/37231183
Ambient Temp. (°F):	76	Batch Time:	12:31:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	13:09:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	38
Truck/Accum. Quantity (yd. ³):	3/3	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	10/10/2024
Average Strength (psi):	6,813	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
175704-1-1	--	12.50	3.99	70300	5620	2/N	10/16/2024	7
175704-1-2	--	12.57	4.00	84760	6740	2/N	11/06/2024	28
175704-1-3	--	12.57	4.00	88140	7010	2/N	11/06/2024	28
175704-1-4	--	12.57	4.00	84100	6690	2/N	11/06/2024	28
175704-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (10/16/2024)
Angela D. Coates (11/6/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 11/11/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 175705

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Stem wall at north side of piano stairs

Cast Date: 10/10/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	3.75	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	5.5	Mix Design:	345A2C17
Conc. Temp., ASTM C1064 (°F):	76	Truck/Ticket No.:	--/213
Ambient Temp. (°F):	73	Batch Time:	13:44:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	14:30:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	46
Truck/Accum. Quantity (yd. ³):	7/7	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	10/11/2024
Average Strength (psi):	4,180	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
175705-1-1	--	12.50	3.99	45230	3620	5/N	10/17/2024	7
175705-1-2	--	12.57	4.00	48410	3850	2/N	11/07/2024	28
175705-1-3	--	12.57	4.00	54320	4320	2/N	11/07/2024	28
175705-1-4	--	12.57	4.00	54870	4370	2/N	11/07/2024	28
175705-1-5	--	--	--	--	--	--	12/05/2024	56

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Note 28 day unit load is less than 100% of the specified strength.

Tested By: Angela D. Coates (10/17/2024)
Angela D. Coates (11/7/2024)

Reviewed by: Peter F. Brull (Senior Engineer)



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 11/18/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Travis Grimes

Report No.: 176104

Contractor: McCownGordon

Set No.: 1

Sample Location: Footing at dumpster pad

Cast Date: 10/17/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	4.6	Mix Design:	345A2C18
Conc. Temp., ASTM C1064 (°F):	46	Truck/Ticket No.:	288/37231391
Ambient Temp. (°F):	59	Batch Time:	10:13:00
Unit Weight, ASTM C138 (p.c.f.):	144.8	Sample Time:	10:48:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	35
Truck/Accum. Quantity (yd. ³):	8/8	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Seth T. Littlestone
Specified Strength (psi):	4,500	Received in Lab:	10/18/2024
Average Strength (psi):	7,403	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
176104-1-1	--	12.57	4.00	70970	5650	2/N	10/24/2024	7
176104-1-2	--	12.44	3.98	89890	7230	2/N	11/14/2024	28
176104-1-3	--	12.44	3.98	96670	7770	2/N	11/14/2024	28
176104-1-4	--	12.44	3.98	89640	7210	2/N	11/14/2024	28
176104-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (10/24/2024)
Angela D. Coates (11/14/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 11/18/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 176100

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Stairs to city hall (front Tower clock) "top"

Cast Date: 10/18/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	4.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.2	Mix Design:	KCMMB
Conc. Temp., ASTM C1064 (°F):	68	Truck/Ticket No.:	297/37231419
Ambient Temp. (°F):	--	Batch Time:	07:30:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:10:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	40
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Makhlouf Mansour
Specified Strength (psi):	4,000	Received in Lab:	10/19/2024
Average Strength (psi):	6,407	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
176100-1-1	--	12.63	4.01	67240	5320	2/N	10/25/2024	7
176100-1-2	--	12.50	3.99	80680	6450	2/N	11/15/2024	28
176100-1-3	--	12.50	3.99	81630	6530	2/N	11/15/2024	28
176100-1-4	--	12.50	3.99	78050	6240	2/N	11/15/2024	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (10/25/2024)
Angela D. Coates (11/15/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 11/22/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 176940

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Wicket canopy footings, the south 2

Cast Date: 10/23/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.25	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	5.3	Mix Design:	345A2C17
Conc. Temp., ASTM C1064 (°F):	66	Truck/Ticket No.:	--/--
Ambient Temp. (°F):	58	Batch Time:	07:38:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:10:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	32
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	10/24/2024
Average Strength (psi):	5,547	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
176940-1-1	--	12.57	4.00	52640	4190	5/N	10/30/2024	7
176940-1-2	--	12.57	4.00	71070	5660	2/N	11/20/2024	28
176940-1-3	--	12.57	4.00	68680	5470	2/N	11/20/2024	28
176940-1-4	--	12.57	4.00	69270	5510	2/N	11/20/2024	28
176940-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (10/30/2024)
Angela D. Coates (11/20/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 11/22/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCown Gordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 176941

Contractor: Musselman Hall

Set No.: 1

Sample Location: wicket post canopy foundation caps

Cast Date: 10/24/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Century
Air Content, ASTM C231 (%):	5.2	Mix Design:	345A2C18
Conc. Temp., ASTM C1064 (°F):	69	Truck/Ticket No.:	601/372231571
Ambient Temp. (°F):	62	Batch Time:	12:25:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	12:48:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	23
Truck/Accum. Quantity (yd. ³):	7/7	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,500	Received in Lab:	10/25/2024
Average Strength (psi):	4,773	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
176941-1-1	--	12.57	4.00	46890	3730	2/N	10/31/2024	7
176941-1-2	--	12.50	3.99	59110	4730	5/N	11/21/2024	28
176941-1-3	--	12.50	3.99	60410	4830	2/N	11/21/2024	28
176941-1-4	--	12.50	3.99	59490	4760	2/N	11/21/2024	28
176941-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (10/31/2024)
Angela D. Coates (11/21/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 11/22/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 63°F Ptl. Cloudy

Site Contact: Travis Grimes

Report No.: 176928

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Trash Enclosure Gate Drilled Shafts

Cast Date: 10/25/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	7.00	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	7.0	Mix Design:	4500 AE FAC-15 HR 0.44
Conc. Temp., ASTM C1064 (°F):	72	Truck/Ticket No.:	254/35286994
Ambient Temp. (°F):	68	Batch Time:	10:47:00
Unit Weight, ASTM C138 (p.c.f.):	141.4	Sample Time:	11:30:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	43
Truck/Accum. Quantity (yd. ³):	8/8	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Linda A. Souder
Specified Strength (psi):	4,000	Received in Lab:	10/27/2024
Average Strength (psi):	5,127	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
176928-1-1	--	12.57	4.00	48690	3870	2/N	11/01/2024	7
176928-1-2	--	12.57	4.00	61370	4880	2/N	11/22/2024	28
176928-1-3	--	12.57	4.00	66300	5280	2/N	11/22/2024	28
176928-1-4	--	12.57	4.00	65590	5220	2/N	11/22/2024	28
176928-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (11/1/2024)
Angela D. Coates (11/22/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 11/06/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 177026

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Light pole bases at Johnson Street, Station 11+10 to 12+60, right side

Cast Date: 10/28/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	4.75	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.0	Mix Design:	KCMMB 4K S 4
Conc. Temp., ASTM C1064 (°F):	70	Truck/Ticket No.:	287/37231631
Ambient Temp. (°F):	66	Batch Time:	13:01:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	13:30:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	29
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Augustus P. Spano
Specified Strength (psi):	4,000	Received in Lab:	10/29/2024
Average Strength (psi):	5,390	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
177026-1-1	--	12.57	4.00	67670	5390	2/N	11/04/2024	7
177026-1-2	--	--	--	--	--	--	11/25/2024	28
177026-1-3	--	--	--	--	--	--	11/25/2024	28
177026-1-4	--	--	--	--	--	--	11/25/2024	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (11/4/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 12/16/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 178385

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: 2 cascade wall stair cases

Cast Date: 11/14/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	4.25	Supplier:	Century
Air Content, ASTM C231 (%):	5.5	Mix Design:	KCMMB4K
Conc. Temp., ASTM C1064 (°F):	65	Truck/Ticket No.:	300/37231868
Ambient Temp. (°F):	50	Batch Time:	07:28:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:01:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	33
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Ryan Davidson
Specified Strength (psi):	4,000	Received in Lab:	11/15/2024
Average Strength (psi):	5,730	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
178385-1-1	--	12.50	3.99	56870	4550	2/N	11/21/2024	7
178385-1-2	--	12.57	4.00	52930	4210	2/N	12/12/2024	28
178385-1-3	--	12.57	4.00	84650	6740	2/N	12/12/2024	28
178385-1-4	--	12.57	4.00	78390	6240	2/N	12/12/2024	28
178385-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (11/21/2024)
Angela D. Coates (12/12/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 12/16/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 178355

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Hardscape at city hall north entrance

Cast Date: 11/15/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	7.00	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	7.1	Mix Design:	KCMMB
Conc. Temp., ASTM C1064 (°F):	57	Truck/Ticket No.:	287/37231889
Ambient Temp. (°F):	42	Batch Time:	07:28:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:05:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	37
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	James A. Surber
Specified Strength (psi):	4,000	Received in Lab:	11/16/2024
Average Strength (psi):	6,720	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
178355-1-1	--	12.57	4.00	68200	5430	5/N	11/22/2024	7
178355-1-2	--	12.60	4.01	79490	6310	2/N	12/13/2024	28
178355-1-3	--	12.60	4.01	86830	6890	2/N	12/13/2024	28
178355-1-4	--	12.60	4.01	87710	6960	2/N	12/13/2024	28
178355-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (11/22/2024)
Angela D. Coates (12/13/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 12/24/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 45°F Ptl. Cloudy

Site Contact: Chris Nichols

Report No.: 179040

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Light pole bases on Green Street approximately 10 feet south of 2nd Street

Cast Date: 11/25/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.00	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	6.6	Mix Design:	KCMMB GR 4K S 7"
Conc. Temp., ASTM C1064 (°F):	64	Truck/Ticket No.:	300/37231997
Ambient Temp. (°F):	45	Batch Time:	15:11:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	15:30:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	19
Truck/Accum. Quantity (yd. ³):	5/5	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Augustus P. Spano
Specified Strength (psi):	4,000	Received in Lab:	11/26/2024
Average Strength (psi):	7,160	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
179040-1-1	--	12.57	4.00	54550	4340	2/N	12/02/2024	7
179040-1-2	--	12.57	4.00	87840	6990	2/N	12/23/2024	28
179040-1-3	--	12.57	4.00	91220	7260	5/N	12/23/2024	28
179040-1-4	--	12.57	4.00	90820	7230	2/N	12/23/2024	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (12/2/2024)
Angela D. Coates (12/23/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 12/09/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 45°F Ptl. Cloudy

Site Contact: Chris Nichols

Report No.: 179161

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Sidewalk at south plaza, directly abutting city hall building.

Cast Date: 11/27/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.25	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.6	Mix Design:	KCMMB GR 4K S 7"
Conc. Temp., ASTM C1064 (°F):	64	Truck/Ticket No.:	859/37232061
Ambient Temp. (°F):	45	Batch Time:	07:26:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:00:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	34
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Augustus P. Spano
Specified Strength (psi):	4,000	Received in Lab:	11/28/2024
Average Strength (psi):	5,380	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
179161-1-1	--	12.44	3.98	66890	5380	2/N	12/04/2024	7
179161-1-2	--	--	--	--	--	--	12/25/2024	28
179161-1-3	--	--	--	--	--	--	12/25/2024	28
179161-1-4	--	--	--	--	--	--	12/25/2024	28
179161-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (12/4/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 12/11/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 24°F Ptl. Cloudy

Site Contact: Chris Nichols

Report No.: 179433

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Plaza hardscape, 0 to 15 feet west of cascade stairs

Cast Date: 12/03/2024

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	7.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	5.5	Mix Design:	KCMMB GR 4K S 7"
Conc. Temp., ASTM C1064 (°F):	60	Truck/Ticket No.:	308/37232077
Ambient Temp. (°F):	24	Batch Time:	07:27:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	07:54:00
Yield, ASTM C138 (ft. ³):	--	Mixing Time (min.):	27
Truck/Accum. Quantity (yd. ³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	Augustus P. Spano
Specified Strength (psi):	4,000	Received in Lab:	12/04/2024
Average Strength (psi):	5,320	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
179433-1-1	--	12.50	3.99	66560	5320	2/N	12/10/2024	7
179433-1-2	--	--	--	--	--	--	12/31/2024	28
179433-1-3	--	--	--	--	--	--	12/31/2024	28
179433-1-4	--	--	--	--	--	--	12/31/2024	28
179433-1-5	--	--	--	--	--	--	01/01/1900	HOLD
179433-1-6	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: Angela D. Coates (12/10/2024)

Reviewed by: Peter F. Brull (Senior Engineer)



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 04/01/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon **Ave. Temperature/Weather:** 73°F Sunny
Site Contact: Chris Nichols **Report No.:** 203371

Contractor: Musselman and Hall Contractors, LLC **Set No.:** 1
Sample Location: SPF 71, 72, 73, 74 and 75 **Cast Date:** 02/26/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.0	Mix Design:	4500 AE-FAC 15 HR
Conc. Temp., ASTM C1064 (°F):	65	Truck/Ticket No.:	302/37232554
Ambient Temp. (°F):	61	Batch Time:	11:55:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	12:35:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	40
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed/Curing Box
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	GRANT SWIFT
Specified Strength (psi):	4,500	Received in Lab:	02/27/2025
Average Strength (psi):	6,583	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
203371-1-1	--	12.57	4.00	62380	4960	2/N	03/05/2025	7
203371-1-2	--	12.57	4.00	83730	6660	2/N	03/26/2025	28
203371-1-3	--	12.57	4.00	85920	6840	2/N	03/26/2025	28
203371-1-4	--	12.57	4.00	78520	6250	2/N	03/26/2025	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (3/5/2025) **Reviewed by:** Peter F. Brull ()
 ANGELA D. COATES (3/26/2025)

CC: Bloom, Sharon (City of Lee's Summit) (e) Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e) Grimes, Travis (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e) Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 04/08/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: Musselman and Hall Contractors, LLC

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 204096

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: City lounge stairs

Cast Date: 03/07/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	3.50	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	7.3	Mix Design:	340D5E04
Conc. Temp., ASTM C1064 (°F):	64	Truck/Ticket No.:	168/35291492
Ambient Temp. (°F):	63	Batch Time:	11:44:00
Unit Weight, ASTM C138 (p.c.f.):	140.4	Sample Time:	12:21:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	37
Truck/Accum. Quantity (yd.³):	2/2	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	4,000	Received in Lab:	03/08/2025
Average Strength (psi):	6,023	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
204096-1-1	--	12.57	4.00	59070	4700	2/N	03/14/2025	7
204096-1-2	--	12.44	3.98	75980	6110	5/N	04/04/2025	28
204096-1-3	--	12.44	3.98	75420	6060	5/N	04/04/2025	28
204096-1-4	--	12.44	3.98	73430	5900	2/N	04/04/2025	28
204096-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (3/14/2025)
 ANGELA D. COATES (4/4/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 04/10/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 204336

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: City lounge sidewalk

Cast Date: 03/12/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.25	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	5.8	Mix Design:	340D5E07
Conc. Temp., ASTM C1064 (°F):	61	Truck/Ticket No.:	145/35291711
Ambient Temp. (°F):	60	Batch Time:	09:59:00
Unit Weight, ASTM C138 (p.c.f.):	143.2	Sample Time:	10:41:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	42
Truck/Accum. Quantity (yd.³):	10/80	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	4,000	Received in Lab:	03/13/2025
Average Strength (psi):	6,320	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
204336-1-1	--	12.57	4.00	55140	4390	2/N	03/19/2025	7
204336-1-2	--	12.50	3.99	80870	6470	2/N	04/09/2025	28
204336-1-3	--	12.50	3.99	80160	6410	2/N	04/09/2025	28
204336-1-4	--	12.50	3.99	76070	6080	2/N	04/09/2025	28
204336-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (3/19/2025)
 ANGELA D. COATES (4/9/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 04/14/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 204518

Contractor: Capital Electric Construction Company, Inc.

Set No.: 1

Sample Location: Light pole bases at 8 location on SE 3rd Street between SE Johnson Drive and SE Greene Street

Cast Date: 03/14/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	3.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	7.0	Mix Design:	KCMMB
Conc. Temp., ASTM C1064 (°F):	70	Truck/Ticket No.:	902/3723711
Ambient Temp. (°F):	--	Batch Time:	11:24:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	12:11:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	47
Truck/Accum. Quantity (yd.³):	6/6	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	MAKHLOUF MANSOUR
Specified Strength (psi):	4,000	Received in Lab:	03/15/2025
Average Strength (psi):	4,897	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
204518-1-1	--	12.63	4.01	47620	3770	2/N	03/21/2025	7
204518-1-2	--	12.57	4.00	58460	4650	2/N	04/11/2025	28
204518-1-3	--	12.57	4.00	65300	5200	2/N	04/11/2025	28
204518-1-4	--	12.57	4.00	60860	4840	2/N	04/11/2025	28
204518-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (3/21/2025)
 ANGELA D. COATES (4/11/2025)

Reviewed by: Peter F. Brull ()

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Report Date: 04/17/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 204629

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Footing at monument sign

Cast Date: 03/15/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	7.1	Mix Design:	340D7E07
Conc. Temp., ASTM C1064 (°F):	60	Truck/Ticket No.:	274/37232731
Ambient Temp. (°F):	48	Batch Time:	09:05:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	09:35:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	30
Truck/Accum. Quantity (yd.³):	8/8	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	4,000	Received in Lab:	03/16/2025
Average Strength (psi):	6,220	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
204629-1-1	--	12.57	4.00	63190	5030	2/N	03/22/2025	7
204629-1-2	--	12.57	4.00	80590	6410	2/N	04/12/2025	28
204629-1-3	--	12.57	4.00	77760	6190	2/N	04/12/2025	28
204629-1-4	--	12.57	4.00	76150	6060	2/N	04/12/2025	28
204629-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (3/22/2025)
 ANGELA D. COATES (4/12/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 04/22/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon **Ave. Temperature/Weather:** 63°F Sunny
Site Contact: Chris Nichols **Report No.:** 204820

Contractor: Musselman and Hall Contractors, LLC **Set No.:** 1
Sample Location: Light pole bases on the north and south side of SE 3rd Street, between SE Green Street and SE Johnson Street **Cast Date:** 03/19/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	2.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.5	Mix Design:	KCMMB GR 4K
Conc. Temp., ASTM C1064 (°F):	65	Truck/Ticket No.:	302/37232794
Ambient Temp. (°F):	63	Batch Time:	07:51:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:31:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	40
Truck/Accum. Quantity (yd.³):	6/6	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	GRANT SWIFT
Specified Strength (psi):	4,000	Received in Lab:	03/20/2025
Average Strength (psi):	7,433	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
204820-1-1	--	12.57	4.00	62740	4990	2/N	03/26/2025	7
204820-1-2	--	12.57	4.00	88790	7070	2/N	04/16/2025	28
204820-1-3	--	12.57	4.00	94860	7550	2/N	04/16/2025	28
204820-1-4	--	12.57	4.00	96540	7680	2/N	04/16/2025	28
204820-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (3/26/2025)
 ANGELA D. COATES (4/16/2025)

Reviewed by: Peter F. Brull ()



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 04/17/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 33°F Sunny

Site Contact: Chris Nichols

Report No.: 204934

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Curb for wicket planter

Cast Date: 03/20/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	2.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	7.0	Mix Design:	KCMMB GR 4K
Conc. Temp., ASTM C1064 (°F):	65	Truck/Ticket No.:	287/37232813
Ambient Temp. (°F):	33	Batch Time:	09:09:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	09:57:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	48
Truck/Accum. Quantity (yd.³):	8/8	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Transport Tub	Cylinders Cast By:	GRANT SWIFT
Specified Strength (psi):	4,000	Received in Lab:	03/21/2025
Average Strength (psi):	7,187	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
204934-1-1	--	12.63	4.01	68110	5390	2/N	03/27/2025	7
204934-1-2	--	12.57	4.00	88420	7040	2/N	04/17/2025	28
204934-1-3	--	12.57	4.00	90900	7230	2/N	04/17/2025	28
204934-1-4	--	12.57	4.00	91660	7290	2/N	04/17/2025	28
204934-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (3/27/2025)
 ANGELA D. COATES (4/17/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 04/22/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 53°F Cloudy

Site Contact: Chris Nichols

Report No.: 205404

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Sidewalk for front plaza at wicket planter boxes

Cast Date: 03/24/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	4.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.5	Mix Design:	KCMMB GR 4K
Conc. Temp., ASTM C1064 (°F):	69	Truck/Ticket No.:	301/37232875
Ambient Temp. (°F):	53	Batch Time:	11:58:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	12:50:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	52
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	GRANT SWIFT
Specified Strength (psi):	4,000	Received in Lab:	03/25/2025
Average Strength (psi):	6,720	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
205404-1-1	--	12.57	4.00	70450	5610	2/N	03/31/2025	7
205404-1-2	--	12.50	3.99	83170	6650	2/N	04/21/2025	28
205404-1-3	--	12.50	3.99	88170	7050	2/N	04/21/2025	28
205404-1-4	--	12.50	3.99	80770	6460	2/N	04/21/2025	28
205404-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks: 1st and 2nd air tests were 9.0 and 8.0, respectively. After letting the truck sit, the final air content reading was 6.5

Tested By: ANGELA D. COATES (3/31/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 04/24/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 55°F Cloudy

Site Contact: Chris Nichols

Report No.: 205462

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: ADA ramp at the southeast corner of Green Street and 2nd Street

Cast Date: 03/25/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	2.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	5.3	Mix Design:	KCMMB4K
Conc. Temp., ASTM C1064 (°F):	74	Truck/Ticket No.:	287/37232892
Ambient Temp. (°F):	63	Batch Time:	11:40:00
Unit Weight, ASTM C138 (p.c.f.):	144.8	Sample Time:	12:15:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	35
Truck/Accum. Quantity (yd.³):	7/7	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	LINDA SOUDER
Specified Strength (psi):	4,000	Received in Lab:	03/26/2025
Average Strength (psi):	6,527	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
205462-1-1	--	12.57	4.00	63590	5060	2/N	04/01/2025	7
205462-1-2	--	12.50	3.99	79850	6390	2/N	04/22/2025	28
205462-1-3	--	12.50	3.99	82640	6610	2/N	04/22/2025	28
205462-1-4	--	12.50	3.99	82260	6580	2/N	04/22/2025	28
205462-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/1/2025)
 ANGELA D. COATES (4/22/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 04/25/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 205412

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Sidewalk at northbound Green Street, 0 to 20 feet south of 2nd Street

Cast Date: 03/26/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	3.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.0	Mix Design:	340D7E04
Conc. Temp., ASTM C1064 (°F):	63	Truck/Ticket No.:	288/37232913
Ambient Temp. (°F):	55	Batch Time:	08:58:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	09:36:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	38
Truck/Accum. Quantity (yd.³):	8/8	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	4,000	Received in Lab:	03/27/2025
Average Strength (psi):	6,453	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
205412-1-1	--	12.44	3.98	63990	5140	2/N	04/02/2025	7
205412-1-2	--	12.63	4.01	81400	6450	2/N	04/23/2025	28
205412-1-3	--	12.63	4.01	82190	6510	2/N	04/23/2025	28
205412-1-4	--	12.63	4.01	80850	6400	2/N	04/23/2025	28
205412-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/2/2025)
 ANGELA D. COATES (4/23/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 04/28/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon **Ave. Temperature/Weather:**
Site Contact: Chris Nichols **Report No.:** 205932
Contractor: Musselman and Hall Contractors, LLC **Set No.:** 1
Sample Location: Paver base at northeast corner of the sculpture **Cast Date:** 03/28/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.2	Mix Design:	340D7E07
Conc. Temp., ASTM C1064 (°F):	61	Truck/Ticket No.:	302/37232982
Ambient Temp. (°F):	67	Batch Time:	08:39:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	09:05:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	26
Truck/Accum. Quantity (yd.³):	10/20	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	4,000	Received in Lab:	03/29/2025
Average Strength (psi):	6,377	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
205932-1-1	--	12.44	3.98	61190	4920	5/N	04/04/2025	7
205932-1-2	--	12.57	4.00	79770	6350	2/N	04/25/2025	28
205932-1-3	--	12.57	4.00	79630	6340	2/N	04/25/2025	28
205932-1-4	--	12.57	4.00	80910	6440	2/N	04/25/2025	28
205932-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/4/2025) **Reviewed by:** Peter F. Brull ()
 ANGELA D. COATES (4/25/2025)

CC: Bloom, Sharon (City of Lee's Summit) (e) Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e) Grimes, Travis (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e) Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 04/30/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 206029

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Sidewalk at the southwest corner of 2nd Street and Greet Street intersection

Cast Date: 03/31/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	4.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	4.7	Mix Design:	340D7E07
Conc. Temp., ASTM C1064 (°F):	61	Truck/Ticket No.:	300/37233004
Ambient Temp. (°F):	39	Batch Time:	07:57:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:29:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	32
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	4,000	Received in Lab:	04/01/2025
Average Strength (psi):	7,493	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
206029-1-1	--	12.63	4.01	72830	5770	2/N	04/07/2025	7
206029-1-2	--	12.63	4.01	93850	7430	2/N	04/28/2025	28
206029-1-3	--	12.63	4.01	94340	7470	2/N	04/28/2025	28
206029-1-4	--	12.63	4.01	95710	7580	2/N	04/28/2025	28
206029-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/28/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 04/30/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon **Ave. Temperature/Weather:** 55°F Overcast
Site Contact: Travis Grimes **Report No.:** 206022

Contractor: Musselman and Hall Contractors, LLC **Set No.:** 1
Sample Location: Sidewalk at 0 to 10 feet north of public storm sewer line, Station 23+00 **Cast Date:** 04/01/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	7.0	Mix Design:	KCMMB 4K
Conc. Temp., ASTM C1064 (°F):	66	Truck/Ticket No.:	289/37233072
Ambient Temp. (°F):	55	Batch Time:	12:24:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	13:05:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	41
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	LEO ANTHONY. RIGGS
Specified Strength (psi):	4,000	Received in Lab:	04/02/2025
Average Strength (psi):	6,137	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
206022-1-1	--	12.63	4.01	63850	5060	2/N	04/08/2025	7
206022-1-2	--	12.57	4.00	81080	6450	5/N	04/29/2025	28
206022-1-3	--	12.57	4.00	72460	5770	5/N	04/29/2025	28
206022-1-4	--	12.57	4.00	77840	6190	2/N	04/29/2025	28
206022-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/8/2025)
 ANGELA D. COATES (4/29/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 05/02/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 206306

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Curb at west side of wicket circle

Cast Date: 04/03/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	7.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	5.5	Mix Design:	340D7E07
Conc. Temp., ASTM C1064 (°F):	54	Truck/Ticket No.:	301/37233093
Ambient Temp. (°F):	50	Batch Time:	07:59:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:30:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	31
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	4,000	Received in Lab:	04/04/2025
Average Strength (psi):	6,143	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
206306-1-1	--	12.57	4.00	63960	5090	2/N	04/10/2025	7
206306-1-2	--	12.57	4.00	74790	5950	2/N	05/01/2025	28
206306-1-3	--	12.57	4.00	77050	6130	2/N	05/01/2025	28
206306-1-4	--	12.57	4.00	79840	6350	2/N	05/01/2025	28
206306-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/10/2025)
 ANGELA D. COATES (5/1/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 05/06/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 206308

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Sidewalk at Green Street between 2nd Street and City Hall

Cast Date: 04/07/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	3.25	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	4.7	Mix Design:	340D7E04
Conc. Temp., ASTM C1064 (°F):	62	Truck/Ticket No.:	308/37233122
Ambient Temp. (°F):	38	Batch Time:	09:27:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	09:49:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	22
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	4,000	Received in Lab:	04/08/2025
Average Strength (psi):	7,610	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
206308-1-1	--	12.57	4.00	70920	5640	2/N	04/14/2025	7
206308-1-2	--	12.57	4.00	98720	7860	2/N	05/05/2025	28
206308-1-3	--	12.57	4.00	92710	7380	2/N	05/05/2025	28
206308-1-4	--	12.57	4.00	95380	7590	2/N	05/05/2025	28
206308-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/14/2025)
 ANGELA D. COATES (5/5/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 05/08/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 206360

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Sidewalk between wicket circle and piano steps

Cast Date: 04/08/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	8.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	4.5	Mix Design:	340D7E07
Conc. Temp., ASTM C1064 (°F):	59	Truck/Ticket No.:	308/37233151
Ambient Temp. (°F):	37	Batch Time:	09:30:00
Unit Weight, ASTM C138 (p.c.f.):	141.2	Sample Time:	10:09:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	39
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	4,000	Received in Lab:	04/09/2025
Average Strength (psi):	6,507	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
206360-1-1	--	12.57	4.00	63590	5060	2/N	04/15/2025	7
206360-1-2	--	12.57	4.00	75430	6000	2/N	05/06/2025	28
206360-1-3	--	12.57	4.00	83890	6680	2/N	05/06/2025	28
206360-1-4	--	12.57	4.00	85960	6840	2/N	05/06/2025	28
206360-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/15/2025)
 ANGELA D. COATES (5/6/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 05/08/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 206841

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Planter box curbs for wicket area

Cast Date: 04/09/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	4.00	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	5.2	Mix Design:	KCMMB
Conc. Temp., ASTM C1064 (°F):	75	Truck/Ticket No.:	141/35003101
Ambient Temp. (°F):	70	Batch Time:	11:40:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	12:30:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	50
Truck/Accum. Quantity (yd.³):	8/8	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	JAMES AARON. SURBER
Specified Strength (psi):	4,000	Received in Lab:	04/10/2025
Average Strength (psi):	5,803	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
206841-1-1	--	12.57	4.00	59060	4700	2/N	04/16/2025	7
206841-1-2	--	12.57	4.00	71860	5720	2/N	05/07/2025	28
206841-1-3	--	12.57	4.00	73290	5830	2/N	05/07/2025	28
206841-1-4	--	12.57	4.00	73620	5860	2/N	05/07/2025	28
206841-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/16/2025)
 ANGELA D. COATES (5/7/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 05/12/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 60°F Sunny

Site Contact: Travis Grimes

Report No.: 206566

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: N sidewalk extension to piano stairs.

Cast Date: 04/10/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	4.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.2	Mix Design:	KCMMB 4K
Conc. Temp., ASTM C1064 (°F):	72	Truck/Ticket No.:	297/372233219
Ambient Temp. (°F):	60	Batch Time:	09:53:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	10:15:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	22
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	LEO ANTHONY. RIGGS
Specified Strength (psi):	4,000	Received in Lab:	04/11/2025
Average Strength (psi):	6,393	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
206566-1-1	--	12.57	4.00	66050	5260	2/N	04/17/2025	7
206566-1-2	--	12.63	4.01	77910	6170	2/N	05/08/2025	28
206566-1-3	--	12.63	4.01	81900	6480	2/N	05/08/2025	28
206566-1-4	--	12.63	4.01	82460	6530	2/N	05/08/2025	28
206566-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/17/2025)
 ANGELA D. COATES (5/8/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 05/12/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon **Ave. Temperature/Weather:** 45°F Ptl. Cloudy
Site Contact: Travis Grimes **Report No.:** 206936

Contractor: Musselman and Hall Contractors, LLC **Set No.:** 1
Sample Location: Sidewalk at the south side of the wicket **Cast Date:** 04/11/2025

FIELD DATA (ASTM C31)

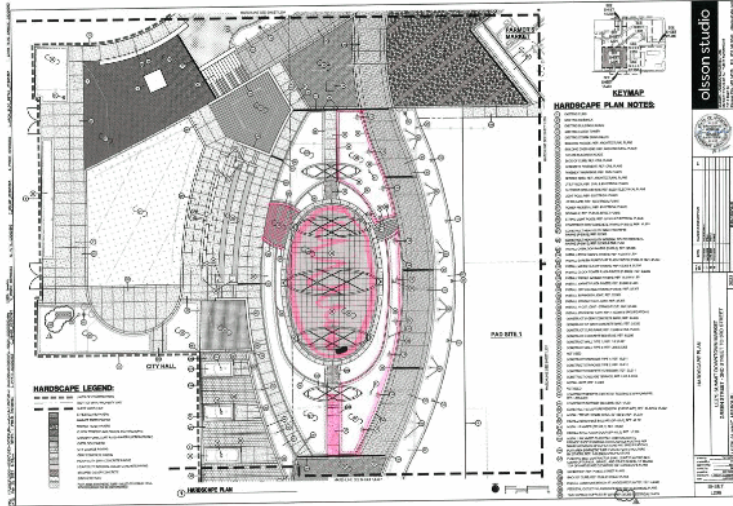
Slump, ASTM C143 (in.):	6.00	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	5.8	Mix Design:	KCMMB 4K
Conc. Temp., ASTM C1064 (°F):	64	Truck/Ticket No.:	146/35003252
Ambient Temp. (°F):	45	Batch Time:	07:42:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:15:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	33
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	LEO ANTHONY. RIGGS
Specified Strength (psi):	4,000	Received in Lab:	04/12/2025
Average Strength (psi):	5,590	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
206936-1-1	--	12.57	4.00	54190	4310	2/N	04/18/2025	7
206936-1-2	--	12.57	4.00	70560	5610	2/N	05/09/2025	28
206936-1-3	--	12.57	4.00	69070	5500	2/N	05/09/2025	28
206936-1-4	--	12.57	4.00	71090	5660	2/N	05/09/2025	28
206936-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:



Blackened area pour location for 1st truck

Tested By: ANGELA D. COATES (4/18/2025)
ANGELA D. COATES (5/9/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 05/16/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 60°F Ptl. Cloudy

Site Contact: Chris Nichols

Report No.: 207462

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Sidewalk for the east plaza, 30 to 150 feet north of 3rd Street and Green Street

Cast Date: 04/16/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	5.8	Mix Design:	KCMMB 4K
Conc. Temp., ASTM C1064 (°F):	65	Truck/Ticket No.:	320/37233544
Ambient Temp. (°F):	68	Batch Time:	07:55:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:25:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	30
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	AUGUSTUS PAUL. SPANO
Specified Strength (psi):	4,000	Received in Lab:	04/17/2025
Average Strength (psi):	6,170	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
207462-1-1	--	12.63	4.01	57940	4590	2/N	04/23/2025	7
207462-1-2	--	12.57	4.00	77230	6150	2/N	05/14/2025	28
207462-1-3	--	12.57	4.00	79400	6320	2/N	05/14/2025	28
207462-1-4	--	12.57	4.00	75930	6040	2/N	05/14/2025	28
207462-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/23/2025)
 ANGELA D. COATES (5/14/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 05/16/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon **Ave. Temperature/Weather:** 70°F Ptl. Cloudy
Site Contact: Chris Nichols **Report No.:** 207463

Contractor: Musselman and Hall Contractors, LLC **Set No.:** 1
Sample Location: Sidewalk at west side of AT&T building, approximately 0 to 20 feet south of west stair entrance **Cast Date:** 04/17/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	5.5	Mix Design:	KCMMB 4K
Conc. Temp., ASTM C1064 (°F):	65	Truck/Ticket No.:	386/37235421
Ambient Temp. (°F):	70	Batch Time:	07:50:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:20:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	30
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	AUGUSTUS PAUL. SPANO
Specified Strength (psi):	4,000	Received in Lab:	04/18/2025
Average Strength (psi):	5,773	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
207463-1-1	--	12.50	3.99	54520	4360	5/N	04/24/2025	7
207463-1-2	--	12.69	4.02	74120	5840	2/N	05/15/2025	28
207463-1-3	--	12.69	4.02	69660	5490	2/N	05/15/2025	28
207463-1-4	--	12.69	4.02	76050	5990	2/N	05/15/2025	28
207463-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/24/2025)
 ANGELA D. COATES (5/15/2025)

Reviewed by: Peter F. Brull ()



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 05/22/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 68°F Ptl. Cloudy

Site Contact: Chris Nichols

Report No.: 207883

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Pavement for southwest sidewalk directly abutting market building.

Cast Date: 04/22/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.75	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.0	Mix Design:	KCMMB GR 4K
Conc. Temp., ASTM C1064 (°F):	66	Truck/Ticket No.:	274/37233455
Ambient Temp. (°F):	68	Batch Time:	08:40:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	09:10:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	30
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	AUGUSTUS PAUL. SPANO
Specified Strength (psi):	4,000	Received in Lab:	04/23/2025
Average Strength (psi):	5,033	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
207883-1-1	--	12.57	4.00	45750	3640	2/N	04/29/2025	7
207883-1-2	--	12.63	4.01	61610	4880	2/N	05/20/2025	28
207883-1-3	--	12.63	4.01	65010	5150	2/N	05/20/2025	28
207883-1-4	--	12.63	4.01	64020	5070	2/N	05/20/2025	28
207883-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (4/29/2025)
 ANGELA D. COATES (5/20/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 05/28/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 70°F Ptl. Cloudy

Site Contact: Chris Nichols

Report No.: 208689

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Sidewalk at 0 feet north, 0 to 10 feet east of the AT&T building northeast corner

Cast Date: 04/28/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.8	Mix Design:	KCMMB 4K
Conc. Temp., ASTM C1064 (°F):	68	Truck/Ticket No.:	134/35237683
Ambient Temp. (°F):	70	Batch Time:	06:38:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	07:15:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	37
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	AUGUSTUS PAUL. SPANO
Specified Strength (psi):	4,000	Received in Lab:	04/29/2025
Average Strength (psi):	6,917	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
208689-1-1	--	12.57	4.00	68690	5470	2/N	05/05/2025	7
208689-1-2	--	12.57	4.00	84660	6740	2/N	05/26/2025	28
208689-1-3	--	12.57	4.00	89870	7150	2/N	05/26/2025	28
208689-1-4	--	12.57	4.00	86210	6860	5/N	05/26/2025	28
208689-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (5/5/2025)
 ANGELA D. COATES (5/26/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 06/02/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 208710

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: West road access to the bldg

Cast Date: 05/01/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	6.2	Mix Design:	KCMMB
Conc. Temp., ASTM C1064 (°F):	70	Truck/Ticket No.:	300/37233599
Ambient Temp. (°F):	--	Batch Time:	00:00:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	00:00:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	0
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	MAKHLOUF MANSOUR
Specified Strength (psi):	4,000	Received in Lab:	05/02/2025
Average Strength (psi):	6,340	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
208710-1-1	--	12.63	4.01	61980	4910	2/N	05/08/2025	7
208710-1-2	--	12.63	4.01	79800	6320	2/N	05/29/2025	28
208710-1-3	--	12.63	4.01	80130	6340	2/N	05/29/2025	28
208710-1-4	--	12.63	4.01	80310	6360	2/N	05/29/2025	28
208710-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (5/8/2025)
 ANGELA D. COATES (5/29/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 06/09/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon; Musselman and Hall Contractors, LLC **Ave. Temperature/Weather:** 60°F Lt. Rain
Site Contact: Chris Nichols **Report No.:** 208959

Contractor: Musselman and Hall Contractors, LLC **Set No.:** 1
Sample Location: Sidewalk, North of building, 50' to 63' West, 0' to 20' North of NW corner of the building. **Cast Date:** 05/07/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	7.0	Mix Design:	KCMMB4K
Conc. Temp., ASTM C1064 (°F):	73	Truck/Ticket No.:	155/35293810
Ambient Temp. (°F):	60	Batch Time:	06:53:00
Unit Weight, ASTM C138 (p.c.f.):	141.2	Sample Time:	07:30:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	37
Truck/Accum. Quantity (yd.³):	9/9	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	LINDA SOUDER
Specified Strength (psi):	4,000	Received in Lab:	05/08/2025
Average Strength (psi):	5,223	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
208959-1-1	--	12.57	4.00	50490	4020	2/N	05/14/2025	7
208959-1-2	--	12.57	4.00	60840	4840	5/N	06/04/2025	28
208959-1-3	--	12.57	4.00	67040	5330	2/N	06/04/2025	28
208959-1-4	--	12.57	4.00	69150	5500	2/N	06/04/2025	28
208959-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (5/14/2025)
 ANGELA D. COATES (6/4/2025)

Reviewed by: Peter F. Brull ()



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 06/13/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: Musselman and Hall Contractors, LLC

Ave. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 209092

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: East side canopy sidewalk 55'-70' from NW corner of building

Cast Date: 05/08/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	7.00	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	4.7	Mix Design:	340D5E07
Conc. Temp., ASTM C1064 (°F):	67	Truck/Ticket No.:	147/35293908
Ambient Temp. (°F):	59	Batch Time:	09:55:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	10:41:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	46
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	4,000	Received in Lab:	05/09/2025
Average Strength (psi):	6,527	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
209092-1-1	--	12.69	4.02	61600	4850	2/N	05/15/2025	7
209092-1-2	--	12.57	4.00	79690	6340	2/N	06/05/2025	28
209092-1-3	--	12.57	4.00	83730	6660	5/N	06/05/2025	28
209092-1-4	--	12.57	4.00	82720	6580	2/N	06/05/2025	28
209092-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (5/15/2025)
 ANGELA D. COATES (6/5/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 06/13/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon **Ave. Temperature/Weather:**
Site Contact: Travis Grimes **Report No.:** 209853
Contractor: Musselman and Hall Contractors, LLC **Set No.:** 1
Sample Location: Gate post footings for the gate between pad site 3 and the farmer's market building. **Cast Date:** 05/13/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	4.00	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	6.2	Mix Design:	KCMMB
Conc. Temp., ASTM C1064 (°F):	78	Truck/Ticket No.:	--/--
Ambient Temp. (°F):	83	Batch Time:	14:00:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	14:38:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	38
Truck/Accum. Quantity (yd.³):	--/--	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	JAMES AARON. SURBER
Specified Strength (psi):	4,500	Received in Lab:	05/14/2025
Average Strength (psi):	5,127	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
209853-1-1	--	12.63	4.01	48440	3840	2/N	05/20/2025	7
209853-1-2	--	12.63	4.01	62920	4980	2/N	06/10/2025	28
209853-1-3	--	12.63	4.01	62840	4980	2/N	06/10/2025	28
209853-1-4	--	12.63	4.01	68500	5420	2/N	06/10/2025	28
209853-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (5/20/2025) **Reviewed by:** Peter F. Brull ()
 ANGELA D. COATES (6/10/2025)

CC: Bloom, Sharon (City of Lee's Summit) (e) Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e) Grimes, Travis (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e) Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 06/13/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon **Ave. Temperature/Weather:** 78°F Sunny
Site Contact: Travis Grimes **Report No.:** 209502

Contractor: Musselman and Hall Contractors, LLC **Set No.:** 1
Sample Location: Curbs between the market and pad site 3, both sides of lane, south end to 30' north **Cast Date:** 05/14/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	7.2	Mix Design:	340D5E04 KCM MB GR 4K S
Conc. Temp., ASTM C1064 (°F):	83	Truck/Ticket No.:	143/35294267
Ambient Temp. (°F):	78	Batch Time:	10:13:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	11:00:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	47
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	STEPHEN A. BIRITZ
Specified Strength (psi):	4,000	Received in Lab:	05/15/2025
Average Strength (psi):	5,210	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
209502-1-1	--	12.50	3.99	49840	3990	2/N	05/21/2025	7
209502-1-2	--	12.63	4.01	67650	5360	2/N	06/11/2025	28
209502-1-3	--	12.63	4.01	65060	5150	2/N	06/11/2025	28
209502-1-4	--	12.63	4.01	64610	5120	5/N	06/11/2025	28
209502-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (5/21/2025)
 ANGELA D. COATES (6/11/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 06/13/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather:

Site Contact: Travis Grimes

Report No.: 209854

Contractor: Musselman and Hall Contractors, LLC

Set No.: 1

Sample Location: Paver base for the southwest entry of the farmer's market.

Cast Date: 05/15/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.00	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	8.0	Mix Design:	KCMMB
Conc. Temp., ASTM C1064 (°F):	77	Truck/Ticket No.:	111/35294389
Ambient Temp. (°F):	76	Batch Time:	12:14:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	12:48:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	34
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	JAMES AARON. SURBER
Specified Strength (psi):	4,000	Received in Lab:	05/16/2025
Average Strength (psi):	5,393	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
209854-1-1	--	12.57	4.00	48110	3830	2/N	05/22/2025	7
209854-1-2	--	12.63	4.01	65330	5170	2/N	06/12/2025	28
209854-1-3	--	12.63	4.01	69000	5460	2/N	06/12/2025	28
209854-1-4	--	12.63	4.01	70100	5550	2/N	06/12/2025	28
209854-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (5/22/2025)
 ANGELA D. COATES (6/12/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 06/13/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon **Ave. Temperature/Weather:**
Site Contact: Chris Nichols **Report No.:** 209937
Contractor: Musselman and Hall Contractors, LLC **Set No.:** 1
Sample Location: sidewalk, along the N side of farmers market, from 10-20'N and 10'E to 30'W of NE building corner **Cast Date:** 05/15/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.25	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	5.4	Mix Design:	KCMMB
Conc. Temp., ASTM C1064 (°F):	69	Truck/Ticket No.:	254/35294331
Ambient Temp. (°F):	66	Batch Time:	06:27:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	07:03:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	36
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	RYAN DAVIDSON
Specified Strength (psi):	4,000	Received in Lab:	05/16/2025
Average Strength (psi):	6,203	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
209937-1-1	--	12.57	4.00	58270	4640	2/N	05/22/2025	7
209937-1-2	--	12.63	4.01	77620	6150	2/N	06/12/2025	28
209937-1-3	--	12.63	4.01	76560	6060	2/N	06/12/2025	28
209937-1-4	--	12.63	4.01	80790	6400	2/N	06/12/2025	28
209937-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (5/22/2025)
 ANGELA D. COATES (6/12/2025)

Reviewed by: Peter F. Brull ()



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 06/15/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon **Ave. Temperature/Weather:** 80°F Sunny
Site Contact: Travis Grimes **Report No.:** 211273

Contractor: Musselman and Hall Contractors, LLC **Set No.:** 1
Sample Location: Pavement - 20 ft to 40 ft south, 10 ft to 30 ft east of the southeast corner of the parking garage **Cast Date:** 06/02/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.50	Supplier:	Fordyce-Century
Air Content, ASTM C231 (%):	7.0	Mix Design:	340D5EE07 KCMMB 4K
Conc. Temp., ASTM C1064 (°F):	80	Truck/Ticket No.:	127/35295109
Ambient Temp. (°F):	80	Batch Time:	09:28:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	10:20:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	52
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	DALLIN JONATHAN. SEELEY
Specified Strength (psi):	4,000	Received in Lab:	06/03/2025
Average Strength (psi):	4,100	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
211273-1-1	--	12.57	4.00	42480	3380	2/N	06/06/2025	4
211273-1-2	--	12.63	4.01	51810	4100	2/N	06/09/2025	7
211273-1-3	--	--	--	--	--	--	06/30/2025	28
211273-1-4	--	--	--	--	--	--	06/30/2025	28
211273-1-5	--	--	--	--	--	--	06/30/2025	28
211273-1-6	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (6/6/2025)
 ANGELA D. COATES (6/9/2025)

Reviewed by: Peter F. Brull ()



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)
Fordyce-Century (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 06/30/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 69°F Ptl. Cloudy

Site Contact: Travis Grimes

Report No.: 212129

Contractor: McCownGordon

Set No.: 1

Sample Location: Sidewalk on the east side of pad site 2, transformer pad on site 2, transformer pad on site 3, and curb on the left side of the road 65 feet southwest of the intersection of Johnson Street and Cooper Street extending 10 feet to the southwest

Cast Date: 06/12/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	8.00	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	5.7	Mix Design:	340D7E07
Conc. Temp., ASTM C1064 (°F):	75	Truck/Ticket No.:	302/37234236
Ambient Temp. (°F):	69	Batch Time:	07:42:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:10:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	28
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	DALLIN JONATHAN. SEELEY
Specified Strength (psi):	4,000	Received in Lab:	06/13/2025
Average Strength (psi):	4,500	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
212129-1-1	--	12.63	4.01	56780	4500	2/N	06/19/2025	7
212129-1-2	--	--	--	--	--	--	07/10/2025	28
212129-1-3	--	--	--	--	--	--	07/10/2025	28
212129-1-4	--	--	--	--	--	--	07/10/2025	28
212129-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks: Slump was 8" and was ordered at 6", a mid range plasticizer was present

Tested By: ANGELA D. COATES (6/19/2025)

Reviewed by: Stephen A. Biritz ()



CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 06/24/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 71°F Overcast

Site Contact: Travis Grimes

Report No.: 212130

Contractor: McCownGordon

Set No.: 1

Sample Location: Pavement patch at 22 to 33 feet north, 65 to 87 feet west of the north corner of City Hall and the transformer pad north of pad site 2

Cast Date: 06/13/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	10.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	7.2	Mix Design:	340D7E07
Conc. Temp., ASTM C1064 (°F):	75	Truck/Ticket No.:	293/37234257
Ambient Temp. (°F):	71	Batch Time:	08:29:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:55:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	26
Truck/Accum. Quantity (yd.³):	6/6	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	DALLIN JONATHAN. SEELEY
Specified Strength (psi):	4,000	Received in Lab:	06/14/2025
Average Strength (psi):	3,960	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
212130-1-1	--	12.57	4.00	49770	3960	5/N	06/20/2025	7
212130-1-2	--	--	--	--	--	--	07/11/2025	28
212130-1-3	--	--	--	--	--	--	07/11/2025	28
212130-1-4	--	--	--	--	--	--	07/11/2025	28
212130-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks: Concrete had a fluid slump of 10.5", the KCMMB4K with mid range plasticizer has a maximum slump of 6".

Tested By: ANGELA D. COATES (6/20/2025)

Reviewed by: Peter F. Brull ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 06/30/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon

Ave. Temperature/Weather: 71°F Ptl. Cloudy

Site Contact: Travis Grimes

Report No.: 212344

Contractor: McCownGordon

Set No.: 1

Sample Location: Sidewalk at 7 feet south to 26 feet north, 15 to 68 feet west of the farmer's market north corner

Cast Date: 06/16/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.25	Supplier:	Fordyce Concrete Company, Inc.
Air Content, ASTM C231 (%):	5.8	Mix Design:	340D7E07
Conc. Temp., ASTM C1064 (°F):	75	Truck/Ticket No.:	163/35003778
Ambient Temp. (°F):	71	Batch Time:	07:10:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	07:40:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	30
Truck/Accum. Quantity (yd.³):	10/10	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	DALLIN JONATHAN. SEELEY
Specified Strength (psi):	4,000	Received in Lab:	06/17/2025
Average Strength (psi):	5,950	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
212344-1-1	--	12.57	4.00	74820	5950	2/N	06/23/2025	7
212344-1-2	--	--	--	--	--	--	07/14/2025	28
212344-1-3	--	--	--	--	--	--	07/14/2025	28
212344-1-4	--	--	--	--	--	--	07/14/2025	28
212344-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (6/23/2025)

Reviewed by: Stephen A. Biritz ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 06/30/2025
Client: City of Lee's Summit
Project: A22129.00020.008
 Lee's Summit Market Plaza J040917.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: McCownGordon **Ave. Temperature/Weather:** 76°F Cloudy
Site Contact: Travis Grimes **Report No.:** 212483

Contractor: Musselman and Hall Contractors, LLC **Set No.:** 1
Sample Location: Sidewalk NE side of the plaza **Cast Date:** 06/17/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.50	Supplier:	Century Concrete, Inc.
Air Content, ASTM C231 (%):	7.0	Mix Design:	340D7E07
Conc. Temp., ASTM C1064 (°F):	76	Truck/Ticket No.:	287/37234298
Ambient Temp. (°F):	76	Batch Time:	07:37:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	08:05:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	28
Truck/Accum. Quantity (yd.³):	6/12	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	SPENCER JON. PYE
Specified Strength (psi):	4,000	Received in Lab:	06/18/2025
Average Strength (psi):	4,330	Condition Received:	Satisfactory
Field Condition:	Satisfactory		

Laboratory Data (ASTM C39 / C1231 / C617)

Cylinder ID/ Report No.	Cylinder Weight (lbs.)	Cross Sec. Area (sq.in.)	Cylinder Diameter (in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/ Capping Type *	Test Date	Cylinder Test Age (day)
212483-1-1	--	12.50	3.99	54180	4330	2/N	06/24/2025	7
212483-1-2	--	--	--	--	--	--	07/15/2025	28
212483-1-3	--	--	--	--	--	--	07/15/2025	28
212483-1-4	--	--	--	--	--	--	07/15/2025	28
212483-1-5	--	--	--	--	--	--	01/01/1900	HOLD

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Ground

Remarks:

Tested By: ANGELA D. COATES (6/24/2025)

Reviewed by: Stephen A. Biritz ()

CC: Bloom, Sharon (City of Lee's Summit) (e)
 Nichols, Chris (McCownGordon Construction, LLC) (e)
 Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
 Grimes, Travis (McCownGordon Construction, LLC) (e)
 Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 10/02/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Grout Prism Test Results

General Contractor: McCownGordon

Avg. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 173013

Contractor:

Set No.: 1

Sample Location: Masonry columns at Line E, 2.8 to 5.8, elevation 108.0 to 112.0

Cast Date: 09/03/2024

FIELD DATA

Slump, ASTM C143 (in.):	9.50	Supplier:	Mixed on site
Air Content, ASTM C231 (%):	--	Mix Design:	--
Mix Temp., ASTM C1064 (°F):	76	Truck/Ticket No.:	--/--
Ambient Temp. (°F):	75	Batch Time:	--
Truck/Accum. Quantity (yd. ³):	--/--	Batch/Sample Time:	00:00:00/00:00:00
Sampled From:	Transport Tub	Mixing Time (min.):	0
Fabrication Mold:	CMU Blocks	Initial Curing Method:	Sealed
Specified Strength (psi):		Cast By:	Ryan Davidson
Average Strength (psi):	4,780	Received in Lab:	
Field Condition:	Satisfactory	Condition Received:	Satisfactory

LABORATORY DATA FOR 3" X 3" X 6" SPECIMEN (ASTM C1019 / C1231 / C617)

Sample ID/ Report No.	Prism Weight (lbs.)	Cross Sec. Area (sq.in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/Capping Type *	Test Date	Prism Test Age
173013-1-1	--	10.14	41060	4050	--	09/10/2024	7
173013-1-2	--	10.33	50660	4900	--	10/01/2024	28
173013-1-3	--	9.21	42910	4660	--	10/01/2024	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Gypsum

Remarks:

Tested By: Katherine E. Boord (9/10/2024)
Angela D. Coates (10/1/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 10/04/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Grout Prism Test Results

General Contractor: McCownGordon

Avg. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 173102

Contractor:

Set No.: 1

Sample Location: Masonry wall at Line E, 2.8 to 6, elevation 114.6 to 118.0 and Line 6, C to E, elevation 108.0 to 112.0

Cast Date: 09/05/2024

FIELD DATA

Slump, ASTM C143 (in.):	9.00	Supplier:	Geiger Ready-Mix
Air Content, ASTM C231 (%):	--	Mix Design:	Grout
Mix Temp., ASTM C1064 (°F):	75	Truck/Ticket No.:	--/--
Ambient Temp. (°F):	71	Batch Time:	--
Truck/Accum. Quantity (yd. ³):	--/--	Batch/Sample Time:	00:00:00/00:00:00
Sampled From:	Transport Tub	Mixing Time (min.):	0
Fabrication Mold:	CMU Blocks	Initial Curing Method:	Sealed
Specified Strength (psi):		Cast By:	Ryan Davidson
Average Strength (psi):	5,250	Received in Lab:	09/06/2024
Field Condition:	Satisfactory	Condition Received:	Satisfactory

LABORATORY DATA FOR 3" X 3" X 6" SPECIMEN (ASTM C1019 / C1231 / C617)

Sample ID/ Report No.	Prism Weight (lbs.)	Cross Sec. Area (sq.in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/Capping Type *	Test Date	Prism Test Age
173102-1-1	--	10.05	41690	4150	--	09/12/2024	7
173102-1-2	--	10.32	53440	5180	--	10/03/2024	28
173102-1-3	--	10.37	55200	5320	--	10/03/2024	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Gypsum

Remarks: Grout was from Geiger plant, but no batch ticket could be produced.

Tested By: Angela D. Coates (9/12/2024)
Angela D. Coates (10/3/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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Report Date: 10/15/2024

Client: City of Lee's Summit

Project: J040917.09

Lee's Summit Market Plaza

Lee's Summit, MO

Grout Prism Test Results

General Contractor: McCownGordon

Avg. Temperature/Weather:

Site Contact: Chris Nichols

Report No.: 173959

Contractor:

Set No.: 1

Sample Location: Masonry wall at Line 2, B to D, 12.6 to 16.6 feet above finished floor

Cast Date: 09/16/2024

FIELD DATA

Slump, ASTM C143 (in.):	9.50	Supplier:	Geiger Ready-Mix
Air Content, ASTM C231 (%):	--	Mix Design:	Wall fill
Mix Temp., ASTM C1064 (°F):	84	Truck/Ticket No.:	--/--
Ambient Temp. (°F):	88	Batch Time:	--
Truck/Accum. Quantity (yd. ³):	--/--	Batch/Sample Time:	13:45:00/14:15:00
Sampled From:	Truck Chute	Mixing Time (min.):	30
Fabrication Mold:	CMU Blocks	Initial Curing Method:	Sealed
Specified Strength (psi):		Cast By:	Ryan Davidson
Average Strength (psi):	4,510	Received in Lab:	09/17/2024
Field Condition:	Satisfactory	Condition Received:	Satisfactory

LABORATORY DATA FOR 3" X 3" X 6" SPECIMEN (ASTM C1019 / C1231 / C617)

Sample ID/ Report No.	Prism Weight (lbs.)	Cross Sec. Area (sq.in.)	Maximum Load (lbs.)	Compressive Strength (psi)	Fracture/Capping Type *	Test Date	Prism Test Age
173959-1-1	--	10.24	41120	4020	--	09/23/2024	7
173959-1-2	--	10.56	46720	4420	--	10/14/2024	28
173959-1-3	--	9.95	45810	4600	--	10/14/2024	28

* Fracture type as shown in Figure 2, ASTM C39 / Capping type: N - Neoprene Pads (C1231); B - Bonded (C617); G - Gypsum

Remarks:

Tested By: Angela D. Coates (9/23/2024)
Angela D. Coates (10/14/2024)

Reviewed by: Peter F. Brull (Senior Engineer)

CC: Bloom, Sharon (City of Lee's Summit) (e)
Nichols, Chris (McCownGordon Construction, LLC) (e)
Stewart, Brandon (McCownGordon Construction, LLC) (e)

Stotler, Tyler (McCownGordon Construction, LLC) (e)
Grimes, Travis (McCownGordon Construction, LLC) (e)
Simmons, Brian (City of Lee's Summit) (e)

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**Compressive Strength of Masonry Block Prisms
ASTM C 1314**

Client:	<u>City of Lee's Summit</u>	Sample No:	<u>24-010</u>
Project Name:	<u>Lee's Summit Market Plaza</u>	Project Number:	<u>J040917.09</u>
Contractor:	<u>McCownGordon</u>	Report Date:	<u>10/4/2024</u>
Sample Location:	<u>Columns on Line E</u>	Elevation:	<u>108.0 to 112.0</u>

Field Data			
Subcontractor:	<u>BSM</u>	Date Sampled:	<u>9/3/2024</u>
Technician:	<u>Ryan Davidson</u>	Max/Min Temperature (°F):	<u>N/A</u>
Weather:	<u>Partly Cloudy</u>	Specified Strength - f'm (psi):	<u>1,500</u>
Temperature (°F):	<u>80</u>	Block Width (6-, 8-, or 12-inch):	<u>8</u>
Mortar Type:	<u>Type S</u>	Number of Mortar Beds:	<u>1</u>
Grout Type:	<u>N/A</u>	Construction Type¹:	<u>hollow cell</u>

Laboratory Data						
Specimen Dimensions						
Unit Number	Average Height (in.)	Average Length (in.)	Average Width (in.)	Height to Width Ratio	Correction Factor	
24-010A	15.74	15.64	7.66	2.06	1.00	
24-010B	15.70	15.62	7.65	2.05	1.00	
24-010C	15.72	15.61	7.67	2.05	1.00	
Net Block Prism Area - ASTM C 140 (in²): <u>65.00</u>						
Compressive Strength Test Result						
Unit Number	Age (days)	Break Date	Compressive Load (lbs.)	Compressive Strength (psi)	Corrected Strength (psi)	Fail Mode
24-010A	7	9/10/2024	141,920	2,180	2,180	7A/7B
24-010B	28	10/1/2024	153,530	2,360	2,360	2A/4B
24-010C	28	10/1/2024	154,360	2,370	2,370	2A/2B
Average 28-day Strength (psi):					<u>2,370</u>	

Reviewed by: _____
Peter F. Brull, P.E.

Comments:

¹Hollow cell or fully grouted



**Compressive Strength of Masonry Block Prisms
ASTM C 1314**

Client:	<u>City of Lee's Summit</u>	Sample No:	<u>24-011</u>
Project Name:	<u>Lee's Summit Market Plaza</u>	Project Number:	<u>J040917.09</u>
Contractor:	<u>McCownGordon</u>	Report Date:	<u>10/4/2024</u>
Sample Location:	<u>Line 2, B to D</u>	Elevation:	<u>112.0-116.0</u>

Field Data			
Subcontractor:	<u>BSM</u>	Date Sampled:	<u>9/16/2024</u>
Technician:	<u>Ryan Davidson</u>	Max/Min Temperature (°F):	<u>N/A</u>
Weather:	<u>Partly Cloudy</u>	Specified Strength - f'm (psi):	<u>1,500</u>
Temperature (°F):	<u>85</u>	Block Width (6-, 8-, or 12-inch):	<u>8</u>
Mortar Type:	<u>Type S</u>	Number of Mortar Beds:	<u>1</u>
Grout Type:	<u>N/A</u>	Construction Type¹:	<u>hollow cell</u>

Laboratory Data						
Specimen Dimensions						
Unit Number	Average Height (in.)	Average Length (in.)	Average Width (in.)	Height to Width Ratio	Correction Factor	
24-011A	15.61	15.61	7.66	2.04	1.00	
24-011B	15.67	15.64	7.66	2.05	1.00	
24-011C	15.65	15.62	7.67	2.04	1.00	
Net Block Prism Area - ASTM C 140 (in²): <u>61.00</u>						
Compressive Strength Test Result						
Unit Number	Age (days)	Break Date	Compressive Load (lbs.)	Compressive Strength (psi)	Corrected Strength (psi)	Fail Mode
24-011A	7	9/23/2024	142,990	2,340	2,340	3A/3B
24-011B	28	10/14/2024	130,400	2,140	2,140	2A/3B
24-011C	28	10/14/2024	151,130	2,480	2,480	3A/3B
Average 28-day Strength (psi):					<u>2,310</u>	

Reviewed by: Peter F. Brull, P.E.

Comments:

¹Hollow cell or fully grouted