



January 26, 2026

Mr. Brian Maenner
 Vice President of Development
 Intrinsic Development
 3622 Endeavor Avenue
 Columbia, Missouri 65201

RE: Special Inspection Report No. 2
 Village at Discovery Park – Lot 1
 221 NE Alura Way
 Lee’ Summit, Missouri
 Report Period: December 29, 2024 to September 6, 2025
 Permit No.: PRCOM20246060
 UES Project No.: A23129.00089.008
 Legacy Project No: J044702.09

Dear Mr. Maenner:

This letter with attachments will constitute our Special Inspection transmittal for the above referenced project. Representatives of UES have provided field observation and testing services for pavement subgrades, foundation bearing materials, reinforced concrete, drilled and epoxy-grouted reinforcing steel, and structural masonry during the report period. Our services have been provided on a part-time basis as scheduled by representatives of Intrinsic Development. The compliance of materials or work not observed by our personnel is not addressed, or implied, by this or any previous report.

Summary of Activities

Pavement Subgrade

The moisture content and stability of the subgrade for the north and west parking lot and drive between Lots 1, 3, and 4 were evaluated on July 14, 30 and 31. Shallow test pits were hand-excavated to observe the moisture content in the upper 6 inches of the subgrades. The subgrades were proofrolled using a loaded off-road dump truck.

Foundation Bearing Materials

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

August 14	- Perimeter footings at Line A, 1 to 8; Line 1, A to D; Line D, 1 to 7; and Line 8, A to C
August 15	- Interior spread footings at Grids B/2, C/2, and C/3
August 18	- Perimeter footings at Line 8, C to D - Stair tower mat footings at Line C to D, 4 to 4.5

August 21	- Interior spread footings at Grids B/5, B/6, and B/7 - Stair tower mat footing at Line A to B, 4 to 4.5
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August 22	- Interior spread footings at Grids C/5, C/6, and C/7
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August 25	- Perimeter footings at Line A, 3.5 to 4
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The bearing materials, consisting of native clay, were evaluated with respect to the 2,500 pounds per square foot (psf) design bearing pressure. The excavations were generally dry and free of loose material.

Reinforced Concrete

Placement of the reinforcing steel and concrete was observed within the referenced foundation excavations and at the following locations:

August 21	- Stem wall at Line A, 1 to 7.6; Line 8, A to C.9; Line D, 1 to 8; and Line 1, A to D
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August 22	- Stem wall at Line D, 7.2 to 8 and Line 8, C to D
-----------	--

August 26	- Ribbon slab at Line A, 1 to 8; Line 1, A to D; Line D, 1 to 8; and Line 8, A to D
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Field tests were performed and compressive strength test specimens cast with samples of the concrete placed in the referenced locations. The recent compressive strength test results are enclosed.

Drilled and Epoxy-Grouted Reinforcing Steel

Installation of the vertical reinforcing steel for the masonry walls into the existing footing at Grid A/5 and Line A to A.3, 4.7 to 5 was observed on August 21 and 28. The drilled holes were observed for the required spacing, depth, diameter, and cleaning procedures. Installation of the reinforcing steel dowels was observed with respect to RFI #9 from Lot 3 for the specified reinforcing steel diameter, grade, embedment, projection, orientation, spacing, configuration, and type of epoxy used.

Structural Masonry

Placement of the reinforcing steel and grout was observed for the concrete masonry unit (CMU) walls was observed at the following locations:

August 29	- Elevator shaft at Line A to A.3, 4.7 to 5; elevation 100.0 to 108.0 (two lifts)
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August 30	- Elevator shaft at Line A to A.3, 4.7 to 5; elevation 108.0 to 112.0
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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



Peter F. Brill, P.E.
Senior Engineer

Steve Biritz
Project Manager

Attachments: Concrete Test Results
RFI #9 from Lot 3

cc: Mr. Joe Frogge – City of Lee's Summit
Mr. Aaron Addis – Intrinsic Development
Mr. Keegan LeNeave – Intrinsic Development
Mr. AJ Dolph – Rosemann & Associates, PC
Ms. Cindy Senecal – McClure Vision
UES S.I. File

**Village at Discovery Park – Lot 1
Variance/Discrepancy List**

NOTE: Items resolved during the report period are shaded

Variance Number	Date Opened	Date Closed	Description
-			



Report Date: 09/12/2025
Client: Intrinsic Development
Project: A23129.00089.008
 The Village at Discovery - Lot 1 J044702.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: Intrinsic Development

Ave. Temperature/Weather: 88°F Sunny

Site Contact: John Grahovac

Report No.: 219342

Contractor: RHEMA Construction Group

Set No.: 1

Sample Location: Footing at Line D, 1 to 3

Cast Date: 08/14/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	4.75	Supplier:	Geiger Ready-Mix
Air Content, ASTM C231 (%):	1.8	Mix Design:	W570-3/4-6.46(485+85C) CO2
Conc. Temp., ASTM C1064 (°F):	85	Truck/Ticket No.:	423/1748957
Ambient Temp. (°F):	88	Batch Time:	13:59:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	14:30:00
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:	DALLIN JONATHAN. SEELEY
Specified Strength (psi):	5,000	Received in Lab:	08/15/2025
Average Strength (psi):	5,970	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)
219342-1-1	--	12.63	4.01	53960	4270	2/N	08/21/2025	7
219342-1-2	--	12.63	4.01	81830	6480	2/N	09/11/2025	28
219342-1-3	--	12.63	4.01	74310	5880	5/N	09/11/2025	28
219342-1-4	--	12.63	4.01	70120	5550	2/N	09/11/2025	28
219342-1-5	--	--	--	--	--	--	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 (8/21/2025)
 ANGELA D. COATES (9/11/2025)

Reviewed by: Peter F. Brull ()



CC: Senecal, Cindy (McClure Vision) (e)
Peterson, Earl (Intrinsic Development) (e)
Addis, Aaron (Intrinsic Development) (e)
Grahovac, John (Intrinsic Development) (e)

Walsh, Forrest (Intrinsic Development) (e)
Dolph, AJ (Rosemann & Associates, PC) (e)
Maenner, Brian (Intrinsic Development) (e)

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Report Date: 09/18/2025
Client: Intrinsic Development
Project: A23129.00089.008
 The Village at Discovery - Lot 1 J044702.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: Intrinsic Development

Ave. Temperature/Weather: 93°F Sunny

Site Contact: John Grahovac

Report No.: 219476

Contractor: RHEMA Construction Group

Set No.: 1

Sample Location: Spread footings at Grids B/2, C/2, and C/3

Cast Date: 08/15/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	7.25	Supplier:	Geiger Ready-Mix
Air Content, ASTM C231 (%):	1.2	Mix Design:	W570-3/4-6.46(485+85C) CO2
Conc. Temp., ASTM C1064 (°F):	90	Truck/Ticket No.:	921/1749758
Ambient Temp. (°F):	93	Batch Time:	16:06:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	16:39:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	33
Truck/Accum. Quantity (yd.³):	10/40	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	DALLIN JONATHAN. SEELEY
Specified Strength (psi):	5,000	Received in Lab:	08/16/2025
Average Strength (psi):	5,697	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)
219476-1-1	--	12.63	4.01	58880	4660	2/N	08/22/2025	7
219476-1-2	--	12.63	4.01	71520	5660	5/N	09/12/2025	28
219476-1-3	--	12.63	4.01	71560	5670	2/N	09/12/2025	28
219476-1-4	--	12.63	4.01	72710	5760	2/N	09/12/2025	28
219476-1-5	--	--	--	--	--	--	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 (8/22/2025)
 ANGELA D. COATES (9/12/2025)

Reviewed by: Peter F. Brull ()



CC: Senecal, Cindy (McClure Vision) (e)
Peterson, Earl (Intrinsic Development) (e)
Addis, Aaron (Intrinsic Development) (e)
Grahovac, John (Intrinsic Development) (e)

Walsh, Forrest (Intrinsic Development) (e)
Dolph, AJ (Rosemann & Associates, PC) (e)
Maenner, Brian (Intrinsic Development) (e)

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Report Date: 09/18/2025
Client: Intrinsic Development
Project: A23129.00089.008
 The Village at Discovery - Lot 1 J044702.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: Intrinsic Development

Ave. Temperature/Weather:

Site Contact: John Grahovac

Report No.: 219703

Contractor: RHEMA Construction Group

Set No.: 1

Sample Location: Mat foundation for the stair tower at Line C.6 to D, 4 to 4.5

Cast Date: 08/18/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.75	Supplier:	Geiger Ready-Mix
Air Content, ASTM C231 (%):	1.6	Mix Design:	P6OC570V446
Conc. Temp., ASTM C1064 (°F):	88	Truck/Ticket No.:	423/1750413
Ambient Temp. (°F):	94	Batch Time:	13:32:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	13:55:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	23
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):	5,000	Received in Lab:	08/19/2025
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)
219703-1-1	--	12.57	4.00	71030	5650	5/N	08/25/2025	7
219703-1-2	--	12.63	4.01	86180	6820	2/N	09/15/2025	28
219703-1-3	--	12.63	4.01	88640	7020	2/N	09/15/2025	28
219703-1-4	--	12.63	4.01	87290	6910	2/N	09/15/2025	28
219703-1-5	--	--	--	--	--	--	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 (8/25/2025)
 ANGELA D. COATES (9/15/2025)

Reviewed by: Peter F. Brull ()



CC: Senecal, Cindy (McClure Vision) (e)
Peterson, Earl (Intrinsic Development) (e)
Addis, Aaron (Intrinsic Development) (e)
Grahovac, John (Intrinsic Development) (e)

Walsh, Forrest (Intrinsic Development) (e)
Dolph, AJ (Rosemann & Associates, PC) (e)
Maenner, Brian (Intrinsic Development) (e)

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Report Date: 09/23/2025
Client: Intrinsic Development
Project: A23129.00089.008
 The Village at Discovery - Lot 1 J044702.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: Intrinsic Development

Ave. Temperature/Weather:

Site Contact: Forrest Walsh

Report No.: 220397

Contractor: RHEMA Construction Group

Set No.: 1

Sample Location: Slab-on-grade at Line A to B, 4 to 4.5

Cast Date: 08/21/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	7.00	Supplier:	Geiger Ready-Mix
Air Content, ASTM C231 (%):	1.5	Mix Design:	P6OC570V446
Conc. Temp., ASTM C1064 (°F):	83	Truck/Ticket No.:	354/1752120
Ambient Temp. (°F):	80	Batch Time:	10:49:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	11:16:00
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:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	5,000	Received in Lab:	08/22/2025
Average Strength (psi):	6,953	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)
220397-1-1	--	12.63	4.01	68700	5440	5/N	08/28/2025	7
220397-1-2	--	12.63	4.01	88270	6990	2/N	09/18/2025	28
220397-1-3	--	12.63	4.01	87400	6920	2/N	09/18/2025	28
220397-1-4	--	12.63	4.01	87760	6950	2/N	09/18/2025	28
220397-1-5	--	--	--	--	--	--	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 (8/28/2025)
 ANGELA D. COATES (9/18/2025)

Reviewed by: Peter F. Brull ()



CC: Senecal, Cindy (McClure Vision) (e)
Peterson, Earl (Intrinsic Development) (e)
Addis, Aaron (Intrinsic Development) (e)
Grahovac, John (Intrinsic Development) (e)

Walsh, Forrest (Intrinsic Development) (e)
Dolph, AJ (Rosemann & Associates, PC) (e)
Maenner, Brian (Intrinsic Development) (e)

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Report Date: 09/23/2025
Client: Intrinsic Development
Project: A23129.00089.008
 The Village at Discovery - Lot 1 J044702.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: Intrinsic Development **Ave. Temperature/Weather:**
Site Contact: Forrest Walsh **Report No.:** 220397
Contractor: RHEMA Construction Group **Set No.:** 2
Sample Location: Footings at Line D, 1 to 2 and Line 1, B to D **Cast Date:** 08/21/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	7.50	Supplier:	Geiger Ready-Mix
Air Content, ASTM C231 (%):	1.0	Mix Design:	P6OC570V446
Conc. Temp., ASTM C1064 (°F):	85	Truck/Ticket No.:	932/1752425
Ambient Temp. (°F):	80	Batch Time:	14:49:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	15:25:00
Yield, ASTM C138 (ft.³):	--	Mixing Time (min.):	36
Truck/Accum. Quantity (yd.³):	10/110	Initial Curing Method:	Sealed
Sampled From, ASTM C172:	Truck Chute	Cylinders Cast By:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	5,000	Received in Lab:	08/22/2025
Average Strength (psi):	6,787	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)
220397-2-1	--	12.63	4.01	69480	5500	2/N	08/28/2025	7
220397-2-2	--	12.63	4.01	78580	6220	2/N	09/18/2025	28
220397-2-3	--	12.63	4.01	90720	7180	2/N	09/18/2025	28
220397-2-4	--	12.63	4.01	87900	6960	2/N	09/18/2025	28
220397-2-5	--	--	--	--	--	--	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 (8/28/2025) **Reviewed by:** Peter F. Brull ()
 ANGELA D. COATES (9/18/2025)



CC: Senecal, Cindy (McClure Vision) (e)
Peterson, Earl (Intrinsic Development) (e)
Addis, Aaron (Intrinsic Development) (e)
Grahovac, John (Intrinsic Development) (e)

Walsh, Forrest (Intrinsic Development) (e)
Dolph, AJ (Rosemann & Associates, PC) (e)
Maenner, Brian (Intrinsic Development) (e)

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Report Date: 09/23/2025
Client: Intrinsic Development
Project: A23129.00089.008
 The Village at Discovery - Lot 1 J044702.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: Intrinsic Development **Ave. Temperature/Weather:**
Site Contact: Forrest Walsh **Report No.:** 220809
Contractor: RHEMA Construction Group **Set No.:** 1
Sample Location: Stem wall at Line D, 7.2 to 8 **Cast Date:** 08/22/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.00	Supplier:	Geiger Ready-Mix
Air Content, ASTM C231 (%):	5.0	Mix Design:	P6OC570V446
Conc. Temp., ASTM C1064 (°F):	85	Truck/Ticket No.:	454/1753102
Ambient Temp. (°F):	84	Batch Time:	14:03:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	14:38:00
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:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	5,000	Received in Lab:	08/23/2025
Average Strength (psi):	5,370	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)
220809-1-1	--	12.63	4.01	62320	4930	2/N	08/29/2025	7
220809-1-2	--	12.63	4.01	64460	5100	2/N	09/19/2025	28
220809-1-3	--	12.63	4.01	67810	5370	5/N	09/19/2025	28
220809-1-4	--	12.63	4.01	71190	5640	2/N	09/19/2025	28
220809-1-5	--	--	--	--	--	--	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 (8/29/2025) **Reviewed by:** Peter F. Brull ()
 ANGELA D. COATES (9/19/2025)



CC: Senecal, Cindy (McClure Vision) (e)
Peterson, Earl (Intrinsic Development) (e)
Addis, Aaron (Intrinsic Development) (e)
Grahovac, John (Intrinsic Development) (e)

Walsh, Forrest (Intrinsic Development) (e)
Dolph, AJ (Rosemann & Associates, PC) (e)
Maenner, Brian (Intrinsic Development) (e)

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Client: Intrinsic Development
Project: A23129.00089.008
 The Village at Discovery - Lot 1 J044702.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: Intrinsic Development

Ave. Temperature/Weather:

Site Contact: John Grahovac

Report No.: 221027

Contractor: RHEMA Construction Group

Set No.: 1

Sample Location: Footings at Line A, 3.5 to 4

Cast Date: 08/25/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	6.50	Supplier:	Geiger Ready-Mix
Air Content, ASTM C231 (%):	1.5	Mix Design:	P6OC570V446
Conc. Temp., ASTM C1064 (°F):	79	Truck/Ticket No.:	932/1753740
Ambient Temp. (°F):	75	Batch Time:	14:40:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	15:10:00
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):	5,000	Received in Lab:	08/26/2025
Average Strength (psi):	6,753	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)
221027-1-1	--	12.63	4.01	74300	5880	2/N	09/01/2025	7
221027-1-2	--	12.63	4.01	89800	7110	2/N	09/22/2025	28
221027-1-3	--	12.63	4.01	77890	6170	2/N	09/22/2025	28
221027-1-4	--	12.63	4.01	88170	6980	2/N	09/22/2025	28
221027-1-5	--	--	--	--	--	--	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: TYLER AARON. MCINTOSH (9/1/2025)
 ANGELA D. COATES (9/22/2025)

Reviewed by: Peter F. Brull ()



CC: Senecal, Cindy (McClure Vision) (e)
Peterson, Earl (Intrinsic Development) (e)
Addis, Aaron (Intrinsic Development) (e)
Grahovac, John (Intrinsic Development) (e)

Walsh, Forrest (Intrinsic Development) (e)
Dolph, AJ (Rosemann & Associates, PC) (e)
Maenner, Brian (Intrinsic Development) (e)

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Report Date: 09/29/2025
Client: Intrinsic Development
Project: A23129.00089.008
 The Village at Discovery - Lot 1 J044702.09
 Lee's Summit, MO

Concrete Cylinder Test Results

General Contractor: Intrinsic Development

Ave. Temperature/Weather:

Site Contact: John Grahovac

Report No.: 220787

Contractor: RHEMA Construction Group

Set No.: 1

Sample Location: Ribbon slab-on-grade at Line D, 1 to 8

Cast Date: 08/26/2025

FIELD DATA (ASTM C31)

Slump, ASTM C143 (in.):	5.50	Supplier:	Geiger Ready-Mix
Air Content, ASTM C231 (%):	2.2	Mix Design:	P6OC536V450
Conc. Temp., ASTM C1064 (°F):	77	Truck/Ticket No.:	482/1754216
Ambient Temp. (°F):	76	Batch Time:	11:19:00
Unit Weight, ASTM C138 (p.c.f.):	--	Sample Time:	11:52:00
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:	SETH THOMAS. LITTLESTONE
Specified Strength (psi):	5,000	Received in Lab:	08/27/2025
Average Strength (psi):	6,190	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)
220787-1-1	--	12.63	4.01	61170	4840	2/N	09/02/2025	7
220787-1-2	--	12.63	4.01	77530	6140	2/N	09/23/2025	28
220787-1-3	--	12.63	4.01	80170	6350	2/N	09/23/2025	28
220787-1-4	--	12.63	4.01	76800	6080	2/N	09/23/2025	28
220787-1-5	--	--	--	--	--	--	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: TYLER AARON. MCINTOSH (9/2/2025)
 ANGELA D. COATES (9/23/2025)

Reviewed by: Peter F. Brull ()



CC: Senecal, Cindy (McClure Vision) (e)
Peterson, Earl (Intrinsic Development) (e)
Addis, Aaron (Intrinsic Development) (e)
Grahovac, John (Intrinsic Development) (e)

Walsh, Forrest (Intrinsic Development) (e)
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RFI #9: Drill and Epoxy Spec

Status	Closed on 05/12/25		
To	Cindy Senecal (McClure Engineering) <i>(Response Required)</i>	From	John Grahovac (Intrinsic Development)
Date Initiated	May 12, 2025	Due Date	May 15, 2025
Location		Project Stage	Under Construction
Cost Impact		Schedule Impact	
Spec Section		Cost Code	
Drawing Number		Reference	
Linked Drawings			
Received From	KC Singmaster (Bedrock Concrete, LLC.)	Sub Job	
Copies To	Aaron Addis (Intrinsic Development), Earl Peterson (Intrinsic Development), Cindy Senecal (McClure Engineering), KC Singmaster (Bedrock Concrete, LLC.), Travis Vanderweide (Bedrock Concrete, LLC.)		

Activity

Question

Question from John Grahovac Intrinsic Development on Monday, May 12, 2025 at 12:01 PM CDT

KC (Bedrock) requested an inspection for drill and epoxy of grade beam bars to stair tower wall and footings. When I called UES to schedule the inspection, UES requested I send them the specification they should use as their standard for inspection. Please provide specification. Thank you.

Attachments
[GetAttachmentThumbnail.jpg](#)

Official Response

Response from Cindy Senecal McClure Engineering on Monday, May 12, 2025 at 04:36 PM CDT

TO DOWEL THE FOUNDATION WALL AND FOOTING TO TEH STAIR WALL AND FOOTING, PROVIDE 32" LONG #5 DOWELS AT ALL BAR LOCATIONS. DRILL INTO EXISTING CONCRETE AND INSTALL WITH HILTI HY-200 ADHESIVE. PROVIDE MINIMUM 8" EMBEDMENT

All Replies

Response from Cindy Senecal McClure Engineering on Monday, May 12, 2025 at 04:36 PM CDT

TO DOWEL THE FOUNDATION WALL AND FOOTING TO TEH STAIR WALL AND FOOTING, PROVIDE 32" LONG #5 DOWELS AT ALL BAR LOCATIONS. DRILL INTO EXISTING CONCRETE AND INSTALL WITH HILTI HY-200 ADHESIVE. PROVIDE MINIMUM 8" EMBEDMENT