

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/16/2024

Sample: 446801

Alpha Omega Geotech, Inc

1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Client:

Ward Development
1120 NW Eagle Ridge Blvd
Grain Valley, MO 64029

Project:

230529
Lakewood Business Center Lot 1
NE Maguire Blvd
Lee's Summit, MO 64064

Sample Details

Set #:	3	Technician:	William Connelly	Batched:	11:30 CDT
Specimen Size:	4" X 8"	Cast By:	William Connelly	Sampled:	12:05 CDT
Specimens In Set:	5	Date Cast:	06/13/24	Cast:	12:20 CDT
Truck / Ticket #:	424 / 94369	Sampled From:	Chute	Truck Empty:	12:15 CDT
Contractor:	Connight Construction	Placement Method:	Chute	Placement Time:	45 (min)

Location

Placement Location: Building Interior - Footing
Location Details: E.5/1-F/1. F/1-F/27. F/27-E.5/27.
Sample Location / Notes: F/2

Batch Log

Supplier: Geiger
Plant: Lee's Summit
Mix Design: P4MS475V454
On-Site Admixtures: None

Specifications

Strength: 3500 (psi)

Field Measurements

Weather: Sunny
Air Temperature (F): 88
Slump (in): 3-3/4 (ASTM C143)
Concrete Temp (F): 85 (ASTM C1064)
Plastic Unit Weight:
Air Content:
Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Alpha Omega Geotech, 1701 State Ave, Kansas City, KS, 66102

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
3-1	7	06/20/24	1 / 6	4.00	12.57	48,480	3,860	2		N
3-2	28	07/11/24	1 / 27	4.00	12.57	62,230	4,950	3		N
3-3	28	07/11/24	1 / 27	4.00	12.57	59,920	4,770	3		N
3-4	28	07/11/24	1 / 27	4.00	12.57	62,770	4,990	3		N
3-5	56 H	08/08/24	1 / 55							

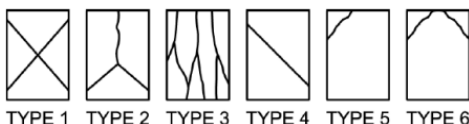
Test Age Average Strengths (psi): 7 Day - 3860, 28 Day - 4900

Capping Methods

Tested By: Marquis Gaston (1,2,3,4)

Checked In : 06/14/2024 (1,2,3,4,5)

N: Neoprene




Reviewed by: Jeff Marquez

07/16/2024

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/10/2024

Sample: 446567

Alpha Omega Geotech, Inc

1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Client:

Ward Development
1120 NW Eagle Ridge Blvd
Grain Valley, MO 64029

Project:

230529
Lakewood Business Center Lot 1
NE Maguire Blvd
Lee's Summit, MO 64064

Sample Details

Set #:	2	Technician:	Contractor	Batched:	
Specimen Size:	4" X 8"	Cast By:	Contractor	Sampled:	
Specimens In Set:	5	Date Cast:	05/29/24	Cast:	
Truck / Ticket #:		Sampled From:		Truck Empty:	
Contractor:	ESS	Placement Method:		Placement Time:	

Location

Placement Location:	Paving - Curb & Gutter
Location Details:	~30' of curb E end , S side of road; curb inlets along maguire blvd and cargo rd

Batch Log

Supplier:	Penny's Concrete, Inc.
On-Site Admixtures:	None

Specifications

Strength:	4000 (psi)
-----------	------------

Field Measurements

Weather:	Consistency:	Slump	Plastic Unit Weight:
Air Temperature (F):	Concrete Temp (F):		Air Content:
			Load Volume:

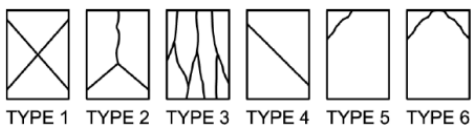
Lab Test Results

Testing Lab: Alpha Omega Geotech, 1701 State Ave, Kansas City, KS, 66102										
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
2-1	19	06/17/24	16 / 3	4.00	12.57	50,320	4,000	3		N
2-2	28	06/26/24	16 / 12	4.00	12.57	59,820	4,760	3		N
2-3	28	06/26/24	16 / 12	4.00	12.57	59,810	4,760	3		N
2-4	28	06/26/24	16 / 12	4.00	12.57	59,670	4,750	3		N
2-5	56 H	07/24/24	16 / 40							

Test Age Average Strengths (psi): 19 Day - 4000, 28 Day - 4760

Capping Methods

Tested By: Marquis Gaston (1,2,3,4)	N: Neoprene
Checked In : 06/14/2024 (1,2,3,4,5)	




Reviewed by: Jeff Marquez

07/10/2024

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/10/2024

Sample: 446567

Alpha Omega Geotech, Inc

1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Client:

Ward Development
1120 NW Eagle Ridge Blvd
Grain Valley, MO 64029

Project:

230529
Lakewood Business Center Lot 1
NE Maguire Blvd
Lee's Summit, MO 64064

Sample Details

Set #:	2	Technician:	Contractor	Batched:	
Specimen Size:	4" X 8"	Cast By:	Contractor	Sampled:	
Specimens In Set:	5	Date Cast:	05/29/24	Cast:	
Truck / Ticket #:		Sampled From:		Truck Empty:	
Contractor:	ESS	Placement Method:		Placement Time:	

Location

Placement Location:	Paving - Curb & Gutter
Location Details:	~30' of curb E end , S side of road; curb inlets along maguire blvd and cargo rd

Batch Log

Supplier:	Penny's Concrete, Inc.
On-Site Admixtures:	None

Specifications

Strength:	4000 (psi)
-----------	------------

Field Measurements

Weather:	Consistency:	Slump	Plastic Unit Weight:
Air Temperature (F):	Concrete Temp (F):		Air Content:
			Load Volume:

Lab Test Results

Testing Lab: Alpha Omega Geotech, 1701 State Ave, Kansas City, KS, 66102

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
2-1	19	06/17/24	16 / 3							
2-2	28	06/26/24	16 / 12	4.00	12.57	59,820	4,760	3		N
2-3	28	06/26/24	16 / 12	4.00	12.57	59,810	4,760	3		N
2-4	28	06/26/24	16 / 12	4.00	12.57	59,670	4,750	3		N
2-5	56 H	07/24/24	16 / 40							

Test Age Average Strengths (psi): 28 Day - 4760

Capping Methods

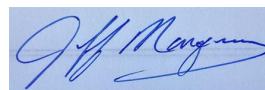
Tested By: Marquis Gaston (1,2,3,4)

N: Neoprene

Checked In : 06/14/2024 (1,2,3,4,5)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Reviewed by: Jeff Marquez

07/10/2024

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/26/2024

Sample: 446542

Alpha Omega Geotech, Inc

1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Client:

Ward Development
1120 NW Eagle Ridge Blvd
Grain Valley, MO 64029

Project:

230529
Lakewood Business Center Lot 1
NE Maguire Blvd
Lee's Summit, MO 64064

Sample Details

Set #:	1	Technician:	Caleb Armstrong	Batched:	09:05 CDT
Specimen Size:	4" X 8"	Cast By:	Caleb Armstrong	Sampled:	10:05 CDT
Specimens In Set:	5	Date Cast:	05/28/24	Cast:	10:10 CDT
Truck / Ticket #:	279 / 4060013	Sampled From:	Chute	Truck Empty:	10:20 CDT
Contractor:	ESS	Placement Method:	Chute	Placement Time:	75 (min)

Location

Placement Location:	Paving - Curb & Gutter
Location Details:	Both lanes of New NE maguire blvd, between NE Hagan Rd and old NE maguire blvd
Sample Location / Notes:	N lane between NE hagan rd and MH G3

Batch Log

Supplier:	Penny's Concrete, Inc.	Mix Design:	KCMMB4K	Strength:	4000 (psi)
Plant:	Grain Valley-Plant #4				
On-Site Admixtures:	None				

Specifications

Field Measurements

Weather:	Slump (in):	1/2 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	Concrete Temp (F):	83 (ASTM C1064)	Air Content:	5.2 (ASTM C231)
			Load Volume:	10.00 (yd³)

Lab Test Results

Testing Lab: Alpha Omega Geotech, 1701 State Ave, Kansas City, KS, 66102

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
1-1	7	06/04/24	1 / 6	4.00	12.57	51,140	4,070	3		N
1-2	28	06/25/24	1 / 27	4.00	12.57	67,030	5,330	3		N
1-3	28	06/25/24	1 / 27	4.00	12.57	66,420	5,280	3		N
1-4	28	06/25/24	1 / 27	4.00	12.57	66,340	5,280	3		N
1-5	56 H	07/23/24	1 / 55							

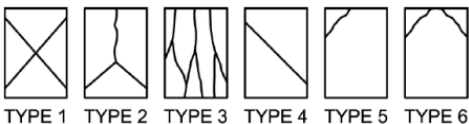

Test Age Average Strengths (psi): 7 Day - 4070, 28 Day - 5300

Capping Methods

Tested By: Marquis Gaston (1,2,3,4)

Checked In : 05/29/2024 (1,2,3,4,5)

N: Neoprene

Reviewed by: Jeff Marquez

06/26/2024

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/26/2024

Sample: 446567

Alpha Omega Geotech, Inc

1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Client:

Ward Development
1120 NW Eagle Ridge Blvd
Grain Valley, MO 64029

Project:

230529
Lakewood Business Center Lot 1
NE Maguire Blvd
Lee's Summit, MO 64064

Sample Details

Set #:	2	Technician:	Contractor	Batched:	
Specimen Size:	4" X 8"	Cast By:	Contractor	Sampled:	
Specimens In Set:	5	Date Cast:	05/29/24	Cast:	
Truck / Ticket #:		Sampled From:		Truck Empty:	
Contractor:	ESS	Placement Method:		Placement Time:	

Location

Placement Location:	Paving - Curb & Gutter
Location Details:	~30' of curb E end , S side of road; curb inlets along maguire blvd and cargo rd

Batch Log

Supplier:	Penny's Concrete, Inc.
On-Site Admixtures:	None

Specifications

Strength:	4000 (psi)
-----------	------------

Field Measurements

Weather:	Consistency:	Slump	Plastic Unit Weight:
Air Temperature (F):	Concrete Temp (F):		Air Content:
			Load Volume:

Lab Test Results

Testing Lab: Alpha Omega Geotech, 1701 State Ave, Kansas City, KS, 66102

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
2-1	19	06/17/24	16 / 3	4.00	12.57	60,320	4,800	3		N
2-2	28	06/26/24	16 / 12							
2-3	28	06/26/24	16 / 12							
2-4	28	06/26/24	16 / 12							
2-5	56 H	07/24/24	16 / 40							

Test Age Average Strengths (psi): 19 Day - 4800

Capping Methods

Tested By: Marquis Gaston (1)

N: Neoprene

Checked In : 06/14/2024 (1,2,3,4,5)



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



Reviewed by: Jeff Marquez

06/26/2024

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/26/2024

Sample: 446801

Alpha Omega Geotech, Inc

1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Client:

Ward Development
1120 NW Eagle Ridge Blvd
Grain Valley, MO 64029

Project:

230529
Lakewood Business Center Lot 1
NE Maguire Blvd
Lee's Summit, MO 64064

Sample Details

Set #:	3	Technician:	William Connelly	Batched:	11:30 CDT
Specimen Size:	4" X 8"	Cast By:	William Connelly	Sampled:	12:05 CDT
Specimens In Set:	5	Date Cast:	06/13/24	Cast:	12:20 CDT
Truck / Ticket #:	424 / 94369	Sampled From:	Chute	Truck Empty:	12:15 CDT
Contractor:	Connight Construction	Placement Method:	Chute	Placement Time:	45 (min)

Location

Placement Location: Building Interior - Footing
Location Details: E.5/1-F/1. F/1-F/27. F/27-E.5/27.
Sample Location / Notes: F/2

Batch Log

Supplier: Geiger
Plant: Lee's Summit
Mix Design: P4MS475V454
On-Site Admixtures: None

Specifications

Strength: 3500 (psi)

Field Measurements

Weather: Sunny
Air Temperature (F): 88
Slump (in): 3-3/4 (ASTM C143)
Concrete Temp (F): 85 (ASTM C1064)
Plastic Unit Weight:
Air Content:
Load Volume: 10.00 (yd³)

Lab Test Results

Testing Lab: Alpha Omega Geotech, 1701 State Ave, Kansas City, KS, 66102

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
3-1	7	06/20/24	1 / 6	4.00	12.57	48,480	3,860	2		N
3-2	28	07/11/24	1 / 27							
3-3	28	07/11/24	1 / 27							
3-4	28	07/11/24	1 / 27							
3-5	56 H	08/08/24	1 / 55							

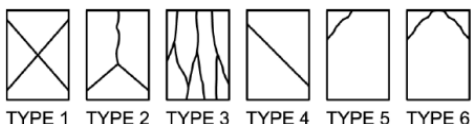

Test Age Average Strengths (psi): 7 Day - 3860

Capping Methods

Tested By: Marquis Gaston (1)

N: Neoprene

Checked In : 06/14/2024 (1,2,3,4,5)

Reviewed by: Jeff Marquez

06/26/2024



Reinforcing Steel Inspection

Alpha Omega Geotech, Inc
1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Client:
Ward Development
1120 NW Eagle Ridge Blvd
Grain Valley, MO 64029

Project:
230529
Lakewood Business Center Lot 1
NE Maguire Blvd
Lee's Summit, MO 64064

Date: 06/13/2024

Inspector: William Connelly

OBSERVATIONS

Location of Inspection: C.5/3,5,7,9,11,13,15,17,19,21,23,25

Plans Used: Structural Plans

Drawing No.: S0.0, S1.1, S2.0, S2.1

Reinforcing Steel in General Accordance with Contract Documents?: Yes

Discrepancy: No

Reviewed by: Jeff Marquez

06/16/2024



Footing Inspection

Alpha Omega Geotech, Inc
1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Client:
Ward Development
1120 NW Eagle Ridge Blvd
Grain Valley, MO 64029

Project:
230529
Lakewood Business Center Lot 1
NE Maguire Blvd
Lee's Summit, MO 64064

Date: 06/13/2024

Inspector: William Connelly

OBSERVATIONS

Location of Footings Inspected: C.5/3,5,7,9,11,13,15,17,19,21,23,25

Plans Used: Structural

Drawing Number: S0.0, S1.1, S2.0, S2.1

Type Of Footing Inspected: Column Footings

Allowable Bearing Capacity (psf): 3000

Footing Excavation per Contract Documents: Yes

Reinforcing Steel Per Contract Documents: Yes

Discrepancy: No

Reviewed by: Jeff Marquez

06/16/2024



Footing Inspection

Alpha Omega Geotech, Inc
1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Client:
Ward Development
1120 NW Eagle Ridge Blvd
Grain Valley, MO 64029

Project:
230529
Lakewood Business Center Lot 1
NE Maguire Blvd
Lee's Summit, MO 64064

Date: 06/13/2024

Inspector: William Connelly

OBSERVATIONS

Location of Footings Inspected: E.5/1-F/1. F/1-F/27. F/27-E.5/27.

Plans Used: Structural

Drawing Number: S0.0, S1.1

Type Of Footing Inspected: Strip Footings

Allowable Bearing Capacity (psf): 2500

Footing Excavation per Contract Documents: Yes

Reinforcing Steel Per Contract Documents: Yes

Discrepancy: No

Reviewed by: Jeff Marquez

06/16/2024