



Construction Materials Testing  
**Concrete Testing**  
**Gates Subdivision Unit 1**  
**Bexar County, Texas**

**InTEC Project No. S232133-5**  
January 10, 2024

**MEH Holding Company LTD**  
5210 Thousand Oaks, Suite 1318  
San Antonio, Texas 78233



**Integrated Testing and Engineering Company of San Antonio, L.P.**

Geotechnical & Environmental Engineering • Construction Services • Geologic Assessment

E.A. Palaniappan, Ph.D., P.E.  
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January 10, 2024

MEH Holding Company LTD  
5210 Thousand Oaks, Suite 1318  
San Antonio, Texas 78233

**Attention: Ms. Jaime L. Johnson**

**Re:** Concrete Tests  
**Gates Subdivision Unit 1**  
Bexar County, Texas

**InTEC Project #: S232133-5**

Ladies and Gentlemen:

Integrated Testing and Engineering Company of San Antonio, L.P. (InTEC) performed concrete field and compressive strength tests at the above referenced project site between August 29, 2024 and October 24, 2024.

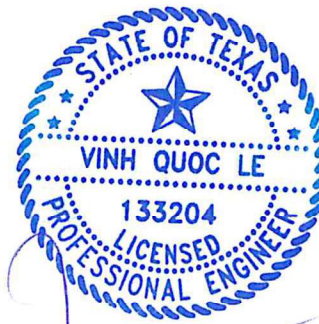
Field concrete tests were performed on an "on call" basis by the contractor. Full time observation of concrete placement was not performed. Concrete field and compressive strength test results for the above referenced project are presented for your review.

We appreciate and wish to thank you for the opportunity to be of service to you on this project. If we can be of additional assistance, or if you have any questions, please call us.

Respectfully Submitted,  
**InTEC of San Antonio, L.P.**

Murali Subramaniam, Ph.D., P.E.

Copies Submitted: Above (1)



*[Signature]*  
01/15/2025



# Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/28/2025

Sample: 28987

## InTEC of San Antonio

12028 Radium  
San Antonio, TX 78216  
Phone: 210-525-9033

## Client:

MEH Holding Company LTD  
5210 Thousand Oaks, Suite 1318  
San Antonio, TX 78233

## Project:

S232133  
Gates Subdivision Unit 1  
29.381265682887246, -98.32008373231879  
Bexar County, TX

### Sample Details

Set #:	1	Technician:	Torres, Emanuel	Batched:	09:18 CDT
Specimen Size:	4" X 8"	Cast By:	Torres, Emanuel	Sampled:	10:32 CDT
Specimens In Set:	5	Date Cast:	08/29/24	Cast:	10:35 CDT
Truck / Ticket #:	662 / 14121894	Sampled From:	Chute	Truck Empty:	
Contractor:	Vkk	Placement Method:	Chute	Placement Time:	

### Location

Placement Location:	Drain - Footing
Location Details:	Drain B STA 2+44.02 to 0+97.90
Sample Location / Notes:	Drain B

### Batch Log

Supplier:	SRM Concrete
On-Site Admixtures:	None

### Specifications

Strength:	3000 (psi)
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### Field Measurements

Weather:	Cloudy	Slump (in):	3-3/4 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	80	Concrete Temp (F):		Air Content:	
				Load Volume:	10.00 (yd <sup>3</sup> )

### Lab Test Results

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in <sup>2</sup> )	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
1-1	6	09/04/24	1 / 5	4.00	12.57	32,670	2,600	2		U
1-2	7	09/05/24	1 / 6	4.00	12.57	27,310	2,170	3		U
1-3	28	09/26/24	1 / 27	4.00	12.57	48,070	3,820	2		U
1-4	28	09/26/24	1 / 27	4.00	12.57	47,765	3,800	2		U
1-5	28	09/26/24	1 / 27	4.00	12.57	49,605	3,950	2		U

Test Age Average Strengths (psi): 6 Day - 2600, 7 Day - 2170, 28 Day - 3860

### Capping Methods

Tested By: Weston Herrera (1,2,3,4,5)	U: Unbonded Caps (ASTM C1231)
Checked In : 08/30/2024 (1,2,3,4,5)	



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



# Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/28/2025

Sample: 29032

## InTEC of San Antonio

12028 Radium  
San Antonio, TX 78216  
Phone: 210-525-9033

## Client:

MEH Holding Company LTD  
5210 Thousand Oaks, Suite 1318  
San Antonio, TX 78233

## Project:

S232133  
Gates Subdivision Unit 1  
29.381265682887246, -98.32008373231879  
Bexar County, TX

### Sample Details

Set #:	2	Technician:	Davenport, Erik	Batched:	08:39 CDT
Specimen Size:	6" X 12"	Cast By:	Davenport, Erik	Sampled:	09:30 CDT
Specimens In Set:	4	Date Cast:	08/30/24	Cast:	09:42 CDT
Truck / Ticket #:	612SABW /	Sampled From:	Chute	Truck Empty:	09:36 CDT
Contractor:		Placement Method:	Chute	Placement Time:	57 (min)

### Location

Placement Location:	Drain - Footing
Location Details:	Drain E 1+39-2+97 Drain A 1+36- End
Sample Location / Notes:	Drain E 1+39-2+97 Drain A 1+36- End

### Batch Log

Supplier:	SRM Concrete	Strength:	3000 (psi)
On-Site Admixtures:	None		

### Field Measurements

Weather:	Cloudy	Slump (in):	4-1/2 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	88	Concrete Temp (F):		Air Content:	70.0 (ASTM C231)
				Load Volume:	10.00 (yd <sup>3</sup> )

### Lab Test Results

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in <sup>2</sup> )	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
2-1	7	09/06/24	4 / 3	4.00	12.57	36,610	2,910	5		U
2-2	28	09/27/24	4 / 24	4.00	12.57	48,740	3,880	2		U
2-3	28	09/27/24	4 / 24	4.00	12.57	50,125	3,990	2		U
2-4	28	09/27/24	4 / 24	4.00	12.57	50,670	4,030	2		U

Test Age Average Strengths (psi): 7 Day - 2910, 28 Day - 3970

### Capping Methods

Tested By: Weston Herrera (1,2,3,4)	U: Unbonded Caps (ASTM C1231)
Checked In : 09/03/2024 (1,2,3,4)	



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

Testing performed when called in by contractor.

Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.

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# Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/28/2025

Sample: 29121

## InTEC of San Antonio

12028 Radium  
San Antonio, TX 78216  
Phone: 210-525-9033

## Client:

MEH Holding Company LTD  
5210 Thousand Oaks, Suite 1318  
San Antonio, TX 78233

## Project:

S232133  
Gates Subdivision Unit 1  
29.381265682887246, -98.32008373231879  
Bexar County, TX

### Sample Details

Set #:	3	Technician:	Davenport, Erik	Batched:	08:56 CDT
Specimen Size:	4" X 8"	Cast By:	Davenport, Erik	Sampled:	10:00 CDT
Specimens In Set:	5	Date Cast:	09/10/24	Cast:	10:15 CDT
Truck / Ticket #:	2306 / 34164	Sampled From:	Chute	Truck Empty:	10:30 CDT
Contractor:		Placement Method:	Chute	Placement Time:	94 (min)

### Location

Placement Location: Drain - Walls  
Location Details: Drain D walls STA 0+97- 2+39  
Sample Location / Notes: Drain D Walls 0+97 - 2+39

### Batch Log

Supplier: Jarco Ready Mix  
On-Site Admixtures: None

### Specifications

Strength: 3600 (psi)

### Field Measurements

Weather: Sunny  
Air Temperature (F): 82  
Slump (in): 4-1/2 (ASTM C143)  
Concrete Temp (F): 71 (ASTM C1064)  
Plastic Unit Weight:  
Air Content:  
Load Volume: 10.00 (yd<sup>3</sup>)

### Lab Test Results

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in <sup>2</sup> )	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
3-1	6	09/16/24	1 / 5	4.00	12.57	34,145	2,720	3		U
3-2	7	09/17/24	1 / 6	4.00	12.57	33,895	2,700	3		U
3-3	28	10/08/24	1 / 27	4.00	12.57	47,905	3,810	2		U
3-4	28	10/08/24	1 / 27	4.00	12.57	45,780	3,640	5		U
3-5	28	10/08/24	1 / 27	4.00	12.57	47,080	3,750	3		U

Test Age Average Strengths (psi): 6 Day - 2720, 7 Day - 2700, 28 Day - 3730

### Capping Methods

Tested By: Weston Herrera (1,2), Alex Martinez (3,4,5)

Checked In : 09/11/2024 (1,2,3,4,5)

U: Unbonded Caps (ASTM C1231)



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

Testing performed when called in by contractor.

Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.

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# Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/28/2025

Sample: 29156

## InTEC of San Antonio

12028 Radium  
San Antonio, TX 78216  
Phone: 210-525-9033

## Client:

MEH Holding Company LTD  
5210 Thousand Oaks, Suite 1318  
San Antonio, TX 78233

## Project:

S232133  
Gates Subdivision Unit 1  
29.381265682887246, -98.32008373231879  
Bexar County, TX

### Sample Details

Set #:	4	Technician:	Davenport, Erik	Batched:	07:01 CDT
Specimen Size:	4" X 8"	Cast By:	Davenport, Erik	Sampled:	09:15 CDT
Specimens In Set:	5	Date Cast:	09/12/24	Cast:	09:30 CDT
Truck / Ticket #:	2004 / 34252	Sampled From:	Chute	Truck Empty:	10:00 CDT
Contractor:		Placement Method:	Chute	Placement Time:	179 (min)

### Location

Placement Location: Drain - Walls  
Location Details: Drain D Walls 0+97- 2+39  
Sample Location / Notes: Drain D Walls 0+97- 2+39

### Batch Log

Supplier: Jarco Ready Mix  
On-Site Admixtures: None

### Specifications

Strength: 3600 (psi)

### Field Measurements

Weather: Cloudy  
Air Temperature (F): 70  
Slump (in): 4-1/2 (ASTM C143)  
Concrete Temp (F): 71 (ASTM C1064)  
Plastic Unit Weight:  
Air Content:  
Load Volume: 10.00 (yd<sup>3</sup>)

### Lab Test Results

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in <sup>2</sup> )	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
4-1	4	09/16/24	1 / 3	4.00	12.57	26,315	2,090	3		U
4-2	7	09/19/24	1 / 6	4.00	12.57	29,360	2,340	2		U
4-3	28	10/10/24	1 / 27	4.00	12.57	46,275	3,680	3		U
4-4	28	10/10/24	1 / 27	4.00	12.57	45,525	3,620	2		U
4-5	28	10/10/24	1 / 27	4.00	12.57	47,065	3,740	3		U

Test Age Average Strengths (psi): 4 Day - 2090, 7 Day - 2340, 28 Day - 3680

### Capping Methods

Tested By: Weston Herrera (1,2), Alex Martinez (3,4,5)

Checked In : 09/13/2024 (1,2,3,4,5)

U: Unbonded Caps (ASTM C1231)



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

Testing performed when called in by contractor.

Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.

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# Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/28/2025

Sample: 29289

## InTEC of San Antonio

12028 Radium  
San Antonio, TX 78216  
Phone: 210-525-9033

## Client:

MEH Holding Company LTD  
5210 Thousand Oaks, Suite 1318  
San Antonio, TX 78233

## Project:

S232133  
Gates Subdivision Unit 1  
29.381265682887246, -98.32008373231879  
Bexar County, TX

Sample Details										
Set #:	5	Technician:	Torres, Emanuel	Batched:	09:00 CDT					
Specimen Size:	4" X 8"	Cast By:	Torres, Emanuel	Sampled:	10:00 CDT					
Specimens In Set:	5	Date Cast:	09/20/24	Cast:	10:05 CDT					
Truck / Ticket #:		Sampled From:	Chute	Truck Empty:						
Contractor:	Vkk	Placement Method:	Chute	Placement Time:						
Location										
Placement Location:	Drain - Walls									
Location Details:	Drain C STA 13+31.57									
Sample Location / Notes:	Drain C									
Batch Log						Specifications				
Supplier:	Jarco Ready Mix					Strength:	3600 (psi)			
On-Site Admixtures:	None									
Field Measurements										
Weather:				Slump (in):	4 (ASTM C143)	Plastic Unit Weight:				
Air Temperature (F):				Concrete Temp (F):		Air Content:				
						Load Volume:	10.00 (yd <sup>3</sup> )			
Lab Test Results										
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in <sup>2</sup> )	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
5-1	5	09/25/24	4 / 1	4.00	12.57	27,630	2,200	3		U
5-2	10	09/30/24	4 / 6	4.00	12.57	37,220	2,960	2		U
5-3	28	10/18/24	4 / 24	4.00	12.57	45,300	3,600	2		U
5-4	28	10/18/24	4 / 24	4.00	12.57	46,455	3,700	3		U
5-5	28	10/18/24	4 / 24	4.00	12.57	46,195	3,680	3		U
Test Age Average Strengths (psi): 5 Day - 2200, 10 Day - 2960, 28 Day - 3660										
								Capping Methods		
Tested By: Weston Herrera (1,2), Alex Martinez (3,4,5)								U: Unbonded Caps (ASTM C1231)		
Checked In : 09/24/2024 (1,2,3,4,5)										



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



# Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 01/28/2025

Sample: 29342

## InTEC of San Antonio

12028 Radium  
San Antonio, TX 78216  
Phone: 210-525-9033

## Client:

MEH Holding Company LTD  
5210 Thousand Oaks, Suite 1318  
San Antonio, TX 78233

## Project:

S232133  
Gates Subdivision Unit 1  
29.381265682887246, -98.32008373231879  
Bexar County, TX

### Sample Details

Set #:	6	Technician:	Torres, Emanuel	Batched:	09:50 CDT
Specimen Size:	4" X 8"	Cast By:	Torres, Emanuel	Sampled:	11:27 CDT
Specimens In Set:	5	Date Cast:	09/26/24	Cast:	11:30 CDT
Truck / Ticket #:	3467 / 800049	Sampled From:	Chute	Truck Empty:	
Contractor:	Vkk	Placement Method:	Chute	Placement Time:	

### Location

Placement Location:	Drain - Top Deck
Location Details:	Private Drain B STA 1+22 to 1+35 Private Drain D STA 2+18.26 to 2+44.20 Private Drain E STA 2+80.28 to 2+97.03
Sample Location / Notes:	Drain B

### Batch Log

Supplier: Jarco Ready Mix  
On-Site Admixtures: None

### Specifications

Strength: 3000 (psi)

### Field Measurements

Weather:	Sunny	Slump (in):	5 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	82	Concrete Temp (F):		Air Content:	
				Load Volume:	10.00 (yd <sup>3</sup> )

### Lab Test Results

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in <sup>2</sup> )	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
6-1	4	09/30/24	1 / 3	4.00	12.57	27,805	2,210	2		U
6-2	7	10/03/24	1 / 6	4.00	12.57	32,035	2,550	2		U
6-3	28	10/24/24	1 / 27	4.00	12.57	48,540	3,860	5		U
6-4	28	10/24/24	1 / 27	4.00	12.57	48,100	3,830	5		U
6-5	28	10/24/24	1 / 27	4.00	12.57	48,910	3,890	5		U

Test Age Average Strengths (psi): 4 Day - 2210, 7 Day - 2550, 28 Day - 3860

### Capping Methods

Tested By: Weston Herrera (1,2), Alex Martinez (3,4,5)

Checked In : 09/27/2024 (1,2,3,4,5)

U: Unbonded Caps (ASTM C1231)



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