



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.
Murali Subramaniam, Ph.D., P.E.
Kausi Subramaniam, B.S.

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)



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

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

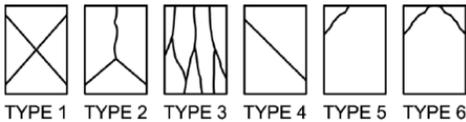
Batch Log	Specifications
Supplier: SRM Concrete	Strength: 3000 (psi)
On-Site Admixtures: None	

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 ³)

Lab Test Results										
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
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)	



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

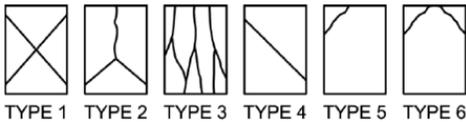
Location	
Placement Location:	Drain - Footing
Location Details:	Drain E 1+39-2+97 Drain A 1+36- End
Sample Location / Notes:	Drain E 1+39-2+97 Drain A 1+36- End

Batch Log	Specifications
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 ³)

Lab Test Results										
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	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)		



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

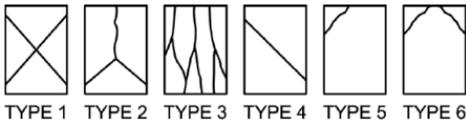
Batch Log	Specifications
Supplier: Jarco Ready Mix	Strength: 3600 (psi)
On-Site Admixtures: None	

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

Lab Test Results											
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	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)	U: Unbonded Caps (ASTM C1231)
Checked In : 09/11/2024 (1,2,3,4,5)	



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

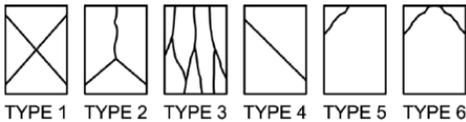
Batch Log	Specifications
Supplier: Jarco Ready Mix	Strength: 3600 (psi)
On-Site Admixtures: None	

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

Lab Test Results											
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	
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)	U: Unbonded Caps (ASTM C1231)
Checked In : 09/13/2024 (1,2,3,4,5)	



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
Specimen Size:	4" X 8"	Cast By:	Torres, Emanuel
Specimens In Set:	5	Date Cast:	09/20/24
Truck / Ticket #:		Sampled From:	Chute
Contractor:	Vkk	Placement Method:	Chute
		Batched:	09:00 CDT
		Sampled:	10:00 CDT
		Cast:	10:05 CDT
		Truck Empty:	
		Placement Time:	

Location	
Placement Location:	Drain - Walls
Location Details:	Drain C STA 13+31.57
Sample Location / Notes:	Drain C

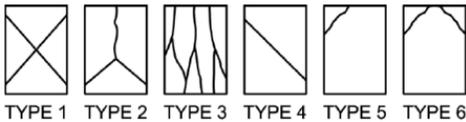
Batch Log	Specifications
Supplier: Jarco Ready Mix	Strength: 3600 (psi)
On-Site Admixtures: None	

Field Measurements		
Weather:	Slump (in): 4 (ASTM C143)	Plastic Unit Weight:
Air Temperature (F):	Concrete Temp (F):	Air Content:
		Load Volume: 10.00 (yd ³)

Lab Test Results										
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
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)	



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

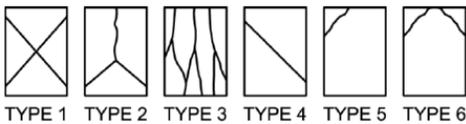
Location	
Placement Location:	Drain - Top Deck
Location Details:	Private Drain B STA 1+22 to 1+35 Private Drain D STA 2+18.26 to 2+44.20 Private Drain E STA 2+80.28 to 2+97.03
Sample Location / Notes:	Drain B

Batch Log	Specifications
Supplier: Jarco Ready Mix	Strength: 3000 (psi)
On-Site Admixtures: None	

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 ³)

Lab Test Results										
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
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)								U: Unbonded Caps (ASTM C1231)		
Checked In : 09/27/2024 (1,2,3,4,5)										



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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