



Construction Materials Testing
Sewerline Installation—Backfill Compaction
McCrary Tract Unit 14
San Antonio, Texas

InTEC Project No. S222064-1
December 28, 2023

Pulte Homes of Texas, LP
1718 Dry Creek Way, Suite 120
San Antonio, Texas 78259



Integrated Testing and Engineering Company of San Antonio, L.P.
Geotechnical & Environmental Engineering • Construction Services • Geologic Assessment

December 28, 2023

Pulte Homes of Texas, LP
1718 Dry Creek Way, Suite 120
San Antonio, Texas 78259

Attention: Mr. Trey Rogers

Re: Construction Materials Testing
Sewerline Installation – Backfill Compaction
McCrary Tract Unit 14
San Antonio, Texas

InTEC Project #: S222064-1

Gentlemen:

Integrated Testing and Engineering Company of San Antonio, L.P. (InTEC) performed compaction evaluation at the above referenced project site between July 7, 2023 and August 11, 2023.

Field density tests were performed on an “on call” basis by the contractor. Full time observation of fill placement was not performed. The Laboratory Compaction and Field Density Tests results at the above referenced project site 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.

Sincerely,

InTEC of San Antonio

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



12/29/2023



Moisture Density Relationship

06/28/2023

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

Client:
Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:
S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

SAMPLE DATA

Sample Number: 23110

Sample Date: 06/23/2023

Technician: Olson, James

Material Use: Utility Backfill

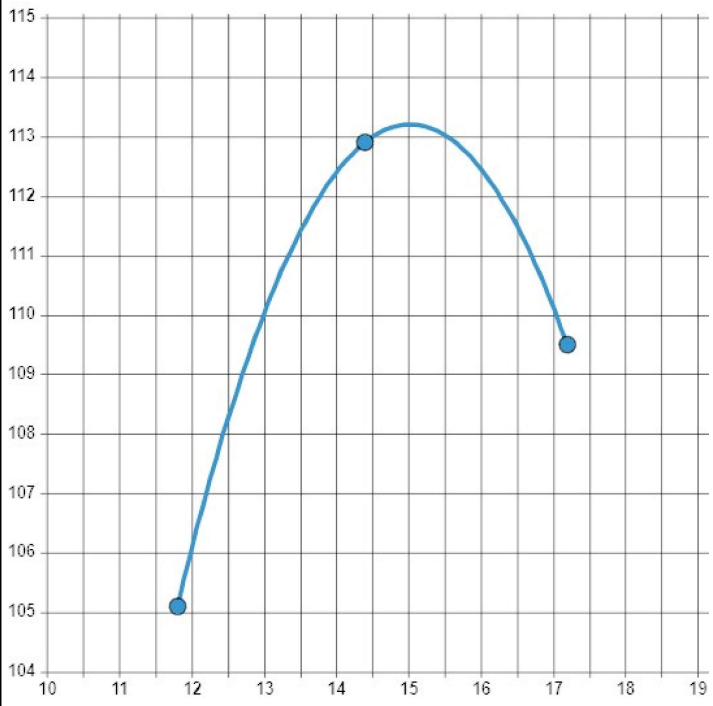
Sample Location: On site backfill

Material Description: Light Tan Clay with Gravel

LAB DATA

Test Method: Tex 113E

Proctor Curve:



Maximum Dry Density (pcf): 113.2

Optimum Moisture (%): 15.0

Soil Classification: CH Clay with gravel

Test Completed Date: 06/27/2023

Test Completed By: Agare, Ovie



Moisture Density Relationship

06/28/2023

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

Client:
Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:
S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

SAMPLE DATA

Sample Number: 23111

Sample Date: 06/23/2023

Technician: Olson, James

Material Use: Utility Backfill

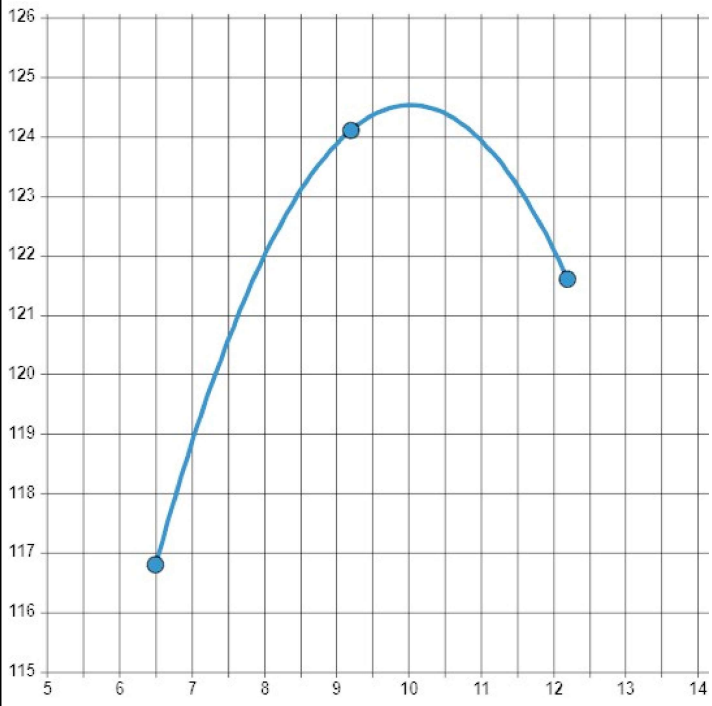
Sample Location: On site backfill

Material Description: Brown Gravelly Clay

LAB DATA

Test Method: Tex 113E

Proctor Curve:



Maximum Dry Density (pcf): 124.5

Optimum Moisture (%): 10.0

Soil Classification: GC Gravelly Clay

Test Completed Date: 06/27/2023

Test Completed By: Agare, Ovie



Moisture Density Relationship

06/28/2023

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

Client:
Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:
S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

SAMPLE DATA

Sample Number: 23112

Sample Date: 06/23/2023

Technician: Olson, James

Material Use: Utility Backfill

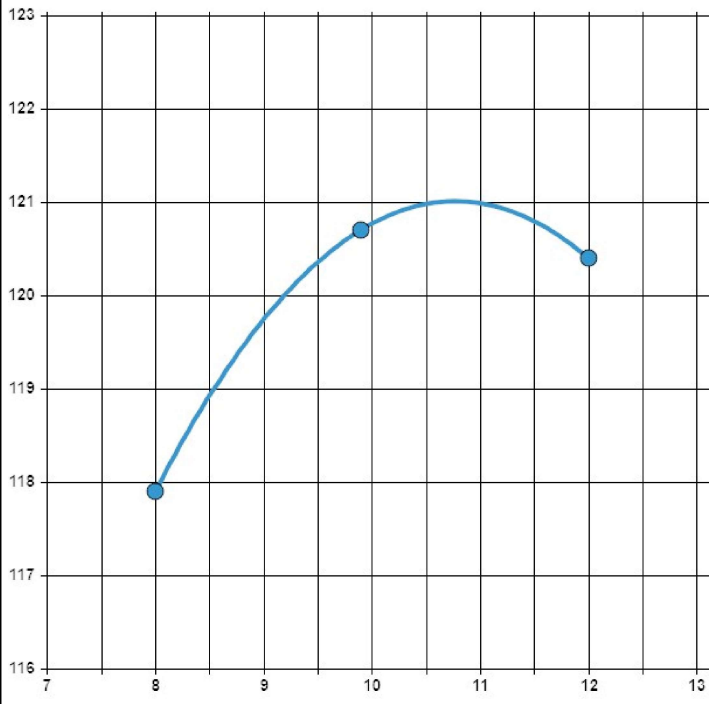
Sample Location: On site backfill

Material Description: Tan to Brown Gravelly Clay

LAB DATA

Test Method: Tex 113E

Proctor Curve:



Maximum Dry Density (pcf): 121.0

Optimum Moisture (%): 10.8

Soil Classification: GC Gravelly Clay

Test Completed Date: 06/27/2023

Test Completed By: Agare, Ovie



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
123		07/07/23	U23111		GC	10.0	124.5	11.7	123.8	138.3	6	99.4	98	-2 / 2	C
124		07/07/23	U23111		GC	10.0	124.5	9.8	124.0	136.2	6	99.6	98	-2 / 2	C
125		07/07/23	U23111		GC	10.0	124.5	11.9	123.9	138.6	6	99.5	98	-2 / 2	C
126		07/07/23	U23111		GC	10.0	124.5	10.7	125.4	138.8	6	100.7	98	-2 / 2	C
127		07/08/23	U23111		GC	10.0	124.5	9.2	126.3	137.9	6	101.4	98	-2 / 2	C
128		07/08/23	U23111		GC	10.0	124.5	8.7	125.9	136.9	6	101.1	98	-2 / 2	C
164		07/11/23	U23112		GC	10.8	121.0	9.4	121.7	133.1	6	100.6	98	-2 / 2	C
165		07/11/23	U23112		GC	10.8	121.0	10.8	122.5	135.7	6	101.2	98	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
123	Sewer Main: Line A STA 2+50							1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
124	Sewer Main: Line A STA 7+50							1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
125	Sewer Main: Line A STA 2+50							2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
126	Sewer Main: Line A STA 7+50							2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
127	Sewer Main: Line A STA 2+50							3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
128	Sewer Main: Line A STA 7+50							3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
164	Sewer Main: Line A STA 2+50							4th Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
165	Sewer Main: Line A STA 7+50							4th Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
166		07/12/23	U23112		GC	10.8	121.0	10.4	119.1	131.5	6	98.4	98	-2 / 2	C
171		07/12/23	U23112		GC	10.8	121.0	9.5	120.6	132.1	6	99.7	98	-2 / 2	C
176		07/13/23	U23112		GC	10.8	121.0	8.9	123.8	134.8	6	102.3	98	-2 / 2	C
181		07/13/23	U23112		GC	10.8	121.0	11.6	119.7	133.6	6	98.9	98	-2 / 2	C
182		07/20/23	U23112		GC	10.8	121.0	11.3	120.8	134.5	6	99.8	98	-2 / 2	C
183		07/20/23	U23112		GC	10.8	121.0	10.6	121.4	134.3	6	100.3	98	-2 / 2	C
184		07/20/23	U23112		GC	10.8	121.0	11.4	121.7	135.6	6	100.6	98	-2 / 2	C
185		07/20/23	U23112		GC	10.8	121.0	11.5	121.1	135.0	6	100.1	98	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
166	Sewer Main: Line B STA 2+00								1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
171	Sewer Main: Line B STA 2+00								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
176	Sewer Main: Line B STA 2+00								3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
181	Sewer Main: Line B STA 2+00								4th Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
182	Sewer Main: Line C STA 2+00								1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
183	Sewer Main: Line C STA 5+00								1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
184	Sewer Main: Line C STA 7+00								1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
185	Sewer Main: Line C STA 9+00								1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
186		07/20/23	U23112		GC	10.8	121.0	10.7	121.9	134.9	6	100.7	98	-2 / 2	C
187		07/20/23	U23112		GC	10.8	121.0	10.7	120.4	133.3	6	99.5	98	-2 / 2	C
188		07/20/23	U23112		GC	10.8	121.0	11.3	120.1	133.7	6	99.3	98	-2 / 2	C
189		07/20/23	U23112		GC	10.8	121.0	11.6	121.3	135.4	6	100.2	98	-2 / 2	C
190		07/20/23	U23112		GC	10.8	121.0	10.8	120.5	133.5	6	99.6	98	-2 / 2	C
191		07/20/23	U23112		GC	10.8	121.0	11.4	119.8	133.5	6	99.0	98	-2 / 2	C
192		07/21/23	U23112		GC	10.8	121.0	10.9	120.3	133.4	6	99.4	98	-2 / 2	C
193		07/21/23	U23112		GC	10.8	121.0	11.4	119.5	133.1	6	98.8	98	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
186	Sewer Main: Line C STA 11+00								1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
187	Sewer Main: Line C STA 2+00								2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
188	Sewer Main: Line C STA 5+00								2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
189	Sewer Main: Line C STA 7+00								2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
190	Sewer Main: Line C STA 9+00								2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
191	Sewer Main: Line C STA 11+00								2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
192	Sewer Main: Line C STA 2+00								3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
193	Sewer Main: Line C STA 5+00								3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
194		07/21/23	U23112		GC	10.8	121.0	10.6	120.2	132.9	6	99.3	98	-2 / 2	C
195		07/21/23	U23112		GC	10.8	121.0	10.8	121.4	134.5	6	100.3	98	-2 / 2	C
196		07/21/23	U23112		GC	10.8	121.0	10.5	120.8	133.5	6	99.8	98	-2 / 2	C
197		07/21/23	U23112		GC	10.8	121.0	9.8	122.7	134.7	6	101.4	98	-2 / 2	C
198		07/21/23	U23112		GC	10.8	121.0	11.4	120.0	133.7	6	99.2	98	-2 / 2	C
199		07/21/23	U23112		GC	10.8	121.0	11.5	121.4	135.4	6	100.3	98	-2 / 2	C
211		07/24/23	U23112		GC	10.8	121.0	10.9	120.7	133.9	6	99.8	98	-2 / 2	C
212		07/24/23	U23112		GC	10.8	121.0	11.5	119.6	133.4	6	98.8	98	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
194	Sewer Main: Line C STA 7+00								3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
195	Sewer Main: Line C STA 9+00								3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
196	Sewer Main: Line C STA 11+00								3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
197	Sewer Main: Line C STA 2+00								4th Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
198	Sewer Main: Line C STA 6+00								4th Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
199	Sewer Main: Line C STA 10+00								4th Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
211	Sewer Main: Line C STA 2+00								5th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
212	Sewer Main: Line C STA 5+00								5th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
213		07/24/23	U23112		GC	10.8	121.0	11.2	119.9	133.3	6	99.1	98	-2 / 2	C
214		07/24/23	U23112		GC	10.8	121.0	11.6	119.3	133.1	6	98.6	98	-2 / 2	C
215		07/24/23	U23112		GC	10.8	121.0	11.2	120.1	133.6	6	99.3	98	-2 / 2	C
234		08/07/23	U23110		CH	15.0	113.2	16.2	111.0	129.0	4	98.1	98	-2 / 2	C
235		08/07/23	U23110		CH	15.0	113.2	13.5	112.9	128.1	4	99.7	98	-2 / 2	C
243		08/07/23	U23110		CH	15.0	113.2	13.0	111.9	126.4	4	98.9	98	-2 / 2	C
244		08/07/23	U23110		CH	15.0	113.2	13.5	112.4	127.6	4	99.3	98	-2 / 2	C
252		08/08/23	U23110		CH	15.0	113.2	15.0	112.9	129.8	6	99.7	98	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
213	Sewer Main: Line C STA 7+00							5th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
214	Sewer Main: Line C STA 9+00							5th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
215	Sewer Main: Line C STA 11+00							5th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
234	Sewer Main: Line D STA 2+00							1st Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James		
235	Sewer Main: Line D STA 6+00							1st Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James		
243	Sewer Main: Line D STA 2+00							2nd Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James		
244	Sewer Main: Line D STA 6+00							2nd Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James		
252	Sewer Main: Line D STA 2+00							3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
253		08/08/23	U23110		CH	15.0	113.2	14.7	113.5	130.2	6	100.3	98	-2 / 2	C
261		08/08/23	U23110		CH	15.0	113.2	15.3	112.6	129.8	6	99.5	98	-2 / 2	C
262		08/08/23	U23110		CH	15.0	113.2	14.8	113.2	130.0	6	100.0	98	-2 / 2	C
263		08/09/23	U23112		GC	10.8	121.0	10.3	121.8	134.3	6	100.7	98	-2 / 2	C
264		08/09/23	U23112		GC	10.8	121.0	10.5	121.3	134.0	6	100.2	98	-2 / 2	C
265		08/09/23	U23112		GC	10.8	121.0	11.3	120.7	134.3	6	99.8	98	-2 / 2	C
274		08/09/23	U23112		GC	10.8	121.0	10.1	121.3	133.6	6	100.2	98	-2 / 2	C
275		08/09/23	U23112		GC	10.8	121.0	10.5	121.1	133.8	6	100.1	98	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
253	Sewer Main: Line D STA 5+00							3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
261	Sewer Main: Line D STA 2+00							4th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
262	Sewer Main: Line D STA 5+00							4th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
263	Sewer Main: Line E STA 2+00							1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
264	Sewer Main: Line E STA 4+00							1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
265	Sewer Main: Line E STA 6+00							1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
274	Sewer Main: Line E STA 3+00							2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
275	Sewer Main: Line E STA 6+00							2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
283		08/10/23	U23112		GC	10.8	121.0	10.2	121.4	133.8	6	100.3	98	-2 / 2	C
284		08/10/23	U23112		GC	10.8	121.0	10.3	120.7	133.1	6	99.8	98	-2 / 2	C
292		08/10/23	U23112		GC	10.8	121.0	10.3	120.2	132.6	6	99.3	98	-2 / 2	C
293		08/10/23	U23112		GC	10.8	121.0	10.7	120.6	133.5	6	99.7	98	-2 / 2	C
294		08/11/23	U23112		GC	10.8	121.0	10.6	120.0	132.7	6	99.2	98	-2 / 2	C
295		08/11/23	U23112		GC	10.8	121.0	11.1	119.4	132.7	6	98.7	98	-2 / 2	C
296		08/11/23	U23112		GC	10.8	121.0	11.0	120.4	133.6	6	99.5	98	-2 / 2	C
297		08/11/23	U23112		GC	10.8	121.0	10.7	120.8	133.7	6	99.8	98	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
283	Sewer Main: Line E STA 3+00							3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
284	Sewer Main: Line E STA 6+00							3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
292	Sewer Main: Line E STA 3+00							4th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
293	Sewer Main: Line E STA 6+00							4th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
294	Sewer Main: Line E STA 3+00							5th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
295	Sewer Main: Line E STA 6+00							5th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
296	Sewer Main: Line D STA 2+00							5th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
297	Sewer Main: Line D STA 5+00							5th Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
129		07/10/23	U23111		GC	10.0	124.5	9.5	124.6	136.4	6	100.1	98	-2 / 2	C
130		07/10/23	U23111		GC	10.0	124.5	10.7	122.6	135.7	6	98.5	98	-2 / 2	C
131		07/10/23	U23111		GC	10.0	124.5	11.6	123.5	137.8	6	99.2	98	-2 / 2	C
132		07/10/23	U23111		GC	10.0	124.5	9.4	125.7	137.5	6	101.0	98	-2 / 2	C
133		07/10/23	U23111		GC	10.0	124.5	10.1	124.9	137.5	6	100.3	98	-2 / 2	C
134		07/10/23	U23111		GC	10.0	124.5	9.7	126.0	138.2	6	101.2	98	-2 / 2	C
135		07/10/23	U23111		GC	10.0	124.5	11.5	122.2	136.3	6	98.2	98	-2 / 2	C
136		07/10/23	U23111		GC	10.0	124.5	11.7	122.8	137.2	6	98.6	98	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
129	Sewer Laterals: Line A STA 1+01							1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
130	Sewer Laterals: Line A STA 2+60							1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
131	Sewer Laterals: Line A STA 3+13							1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
132	Sewer Laterals: Line A STA 4+08							1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
133	Sewer Laterals: Line A STA 4+69							1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
134	Sewer Laterals: Line A STA 5+05							1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
135	Sewer Laterals: Line A STA 5+98							1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
136	Sewer Laterals: Line A STA 6+41							1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
137		07/10/23	U23111		GC	10.0	124.5	10.7	123.6	136.8	6	99.3	98	-2 / 2	C
138		07/10/23	U23111		GC	10.0	124.5	8.9	126.7	138.0	6	101.8	98	-2 / 2	C
139		07/10/23	U23111		GC	10.0	124.5	8.6	124.0	134.7	6	99.6	98	-2 / 2	C
140		07/10/23	U23111		GC	10.0	124.5	10.0	123.9	136.3	6	99.5	98	-2 / 2	C
141		07/10/23	U23112		GC	10.8	121.0	9.9	120.7	132.6	6	99.8	98	-2 / 2	C
142		07/10/23	U23112		GC	10.8	121.0	10.5	122.4	135.3	6	101.2	98	-2 / 2	C
143		07/10/23	U23112		GC	10.8	121.0	10.1	119.6	131.7	6	98.8	98	-2 / 2	C
144		07/10/23	U23112		GC	10.8	121.0	8.9	123.5	134.5	6	102.1	98	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
137	Sewer Laterals: Line A STA 7+36								1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
138	Sewer Laterals: Line A STA 8+23								1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
139	Sewer Laterals: Line A STA 8+64								1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
140	Sewer Laterals: Line A STA 9+05								1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
141	Sewer Laterals: Line A STA 9+05								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
142	Sewer Laterals: Line A STA 8+64								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
143	Sewer Laterals: Line A STA 8+23								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
144	Sewer Laterals: Line A STA 7+36								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
Remarks						Comments									
C: Compliant						Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.									

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
145		07/10/23	U23112		GC	10.8	121.0	11.7	118.8	132.7	6	98.2	98	-2 / 2	C
146		07/10/23	U23112		GC	10.8	121.0	9.4	119.5	130.7	6	98.8	98	-2 / 2	C
147		07/10/23	U23112		GC	10.8	121.0	10.4	120.8	133.4	6	99.8	98	-2 / 2	C
148		07/10/23	U23112		GC	10.8	121.0	8.8	121.7	132.4	6	100.6	98	-2 / 2	C
149		07/10/23	U23112		GC	10.8	121.0	11.6	118.7	132.5	6	98.1	98	-2 / 2	C
150		07/10/23	U23112		GC	10.8	121.0	9.9	119.8	131.7	6	99.0	98	-2 / 2	C
151		07/10/23	U23112		GC	10.8	121.0	11.5	119.0	132.7	6	98.3	98	-2 / 2	C
152		07/10/23	U23112		GC	10.8	121.0	9.0	120.8	131.7	6	99.8	98	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
145	Sewer Laterals: Line A STA 6+41								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
146	Sewer Laterals: Line A STA 5+98								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
147	Sewer Laterals: Line A STA 5+05								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
148	Sewer Laterals: Line A STA 4+69								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
149	Sewer Laterals: Line A STA 4+08								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
150	Sewer Laterals: Line A STA 3+13								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
151	Sewer Laterals: Line A STA 2+60								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
152	Sewer Laterals: Line A STA 1+01								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
Remarks						Comments									
C: Compliant						Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.									

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
153		07/11/23	U23112		GC	10.8	121.0	11.3	119.0	132.4	6	98.3	98	-2 / 2	C
154		07/11/23	U23112		GC	10.8	121.0	12.5	120.8	135.9	6	99.8	98	-2 / 2	C
155		07/11/23	U23112		GC	10.8	121.0	9.4	121.3	132.7	6	100.2	98	-2 / 2	C
156		07/11/23	U23112		GC	10.8	121.0	10.7	120.2	133.1	6	99.3	98	-2 / 2	C
157		07/11/23	U23112		GC	10.8	121.0	9.3	119.7	130.8	6	98.9	98	-2 / 2	C
158		07/11/23	U23112		GC	10.8	121.0	11.2	122.5	136.2	6	101.2	98	-2 / 2	C
159		07/11/23	U23112		GC	10.8	121.0	12.1	119.6	134.1	6	98.8	98	-2 / 2	C
160		07/11/23	U23112		GC	10.8	121.0	8.8	122.0	132.7	6	100.8	98	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
153	Sewer Laterals: Line A STA 1+01							3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
154	Sewer Laterals: Line A STA 2+60							3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
155	Sewer Laterals: Line A STA 3+13							3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
156	Sewer Laterals: Line A STA 4+08							3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
157	Sewer Laterals: Line A STA 4+69							3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
158	Sewer Laterals: Line A STA 5+05							3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
159	Sewer Laterals: Line A STA 5+98							3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
160	Sewer Laterals: Line A STA 6+41							3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan		
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
161		07/11/23	U23112		GC	10.8	121.0	10.0	120.8	132.9	6	99.8	98	-2 / 2	C
162		07/11/23	U23112		GC	10.8	121.0	8.8	121.2	131.9	6	100.2	98	-2 / 2	C
163		07/11/23	U23112		GC	10.8	121.0	9.4	122.8	134.3	6	101.5	98	-2 / 2	C
167		07/12/23	U23112		GC	10.8	121.0	12.5	119.8	134.8	6	99.0	98	-2 / 2	C
168		07/12/23	U23112		GC	10.8	121.0	12.1	120.3	134.9	6	99.4	98	-2 / 2	C
169		07/12/23	U23112		GC	10.8	121.0	10.2	121.8	134.2	6	100.7	98	-2 / 2	C
170		07/12/23	U23112		GC	10.8	121.0	11.2	119.6	133.0	6	98.8	98	-2 / 2	C
172		07/12/23	U23112		GC	10.8	121.0	9.8	121.6	133.5	6	100.5	98	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
161	Sewer Laterals: Line A STA 7+36								3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
162	Sewer Laterals: Line A STA 8+23								3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
163	Sewer Laterals: Line A STA 8+64								3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
167	Sewer Laterals: Line B STA 1+58								1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
168	Sewer Laterals: Line B STA 2+43								1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
169	Sewer Laterals: Line B STA 3+28								1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
170	Sewer Laterals: Line B STA 4+55								1st Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
172	Sewer Laterals: Line B STA 1+58								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
Remarks						Comments									
C: Compliant						Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.									

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
173		07/12/23	U23112		GC	10.8	121.0	10.7	119.8	132.6	6	99.0	98	-2 / 2	C
174		07/12/23	U23112		GC	10.8	121.0	12.2	118.6	133.1	6	98.0	98	-2 / 2	C
175		07/12/23	U23112		GC	10.8	121.0	12.5	118.9	133.8	6	98.3	98	-2 / 2	C
177		07/13/23	U23112		GC	10.8	121.0	9.3	122.7	134.1	6	101.4	98	-2 / 2	C
178		07/13/23	U23112		GC	10.8	121.0	8.8	122.6	133.4	6	101.3	98	-2 / 2	C
179		07/13/23	U23112		GC	10.8	121.0	11.3	118.8	132.2	6	98.2	98	-2 / 2	C
180		07/13/23	U23112		GC	10.8	121.0	11.7	119.6	133.6	6	98.8	98	-2 / 2	C
200		07/22/23	U23110		CH	15.0	113.2	14.7	112.4	128.9	6	99.3	98	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
173	Sewer Laterals: Line B STA 2+43								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
174	Sewer Laterals: Line B STA 3+28								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
175	Sewer Laterals: Line B STA 4+55								2nd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
177	Sewer Laterals: Line B STA 1+58								3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
178	Sewer Laterals: Line B STA 2+43								3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
179	Sewer Laterals: Line B STA 3+28								3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
180	Sewer Laterals: Line B STA 4+55								3rd Lift		Troxler / 3430 / 35355 / 06/09/2023			Foley, Ryan	
200	Sewer Laterals: Line C STA 1+57								1st Lift		Troxler / 3430 / 24204 / 06/07/2023			Ramirez, Julius	
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
201		07/22/23	U23110		CH	15.0	113.2	16.9	113.9	133.1	6	100.6	98	-2 / 2	C
202		07/22/23	U23110		CH	15.0	113.2	14.6	113.1	129.6	6	99.9	98	-2 / 2	C
203		07/22/23	U23110		CH	15.0	113.2	13.8	113.9	129.6	6	100.6	98	-2 / 2	C
204		07/22/23	U23110		CH	15.0	113.2	16.3	116.4	135.4	6	102.8	98	-2 / 2	C
205		07/22/23	U23110		CH	15.0	113.2	15.3	114.1	131.6	6	100.8	98	-2 / 2	C
206		07/22/23	U23110		CH	15.0	113.2	14.5	114.4	131.0	6	101.1	98	-2 / 2	C
207		07/22/23	U23110		CH	15.0	113.2	16.1	112.8	131.0	6	99.6	98	-2 / 2	C
208		07/22/23	U23110		CH	15.0	113.2	15.0	116.0	133.4	6	102.5	98	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
201	Sewer Laterals: Line C STA 2+87								1st Lift		Troxler / 3430 / 24204 / 06/07/2023			Ramirez, Julius	
202	Sewer Laterals: Line C STA 4+65								1st Lift		Troxler / 3430 / 24204 / 06/07/2023			Ramirez, Julius	
203	Sewer Laterals: Line C STA 6+15								1st Lift		Troxler / 3430 / 24204 / 06/07/2023			Ramirez, Julius	
204	Sewer Laterals: Line C STA 8+00								1st Lift		Troxler / 3430 / 24204 / 06/07/2023			Ramirez, Julius	
205	Sewer Laterals: Line C STA 9+25								1st Lift		Troxler / 3430 / 24204 / 06/07/2023			Ramirez, Julius	
206	Sewer Laterals: Line C STA 11+23								1st Lift		Troxler / 3430 / 24204 / 06/07/2023			Ramirez, Julius	
207	Sewer Laterals: Line C STA 1+99								1st Lift		Troxler / 3430 / 24204 / 06/07/2023			Ramirez, Julius	
208	Sewer Laterals: Line C STA 3+22								1st Lift		Troxler / 3430 / 24204 / 06/07/2023			Ramirez, Julius	
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
209		07/22/23	U23110		CH	15.0	113.2	15.3	113.6	131.0	6	100.4	98	-2 / 2	C
210		07/22/23	U23110		CH	15.0	113.2	14.6	116.6	133.6	6	103.0	98	-2 / 2	C
216		07/24/23	U23112		GC	10.8	121.0	10.8	120.1	133.1	6	99.3	98	-2 / 2	C
217		07/24/23	U23112		GC	10.8	121.0	11.6	120.0	133.9	6	99.2	98	-2 / 2	C
218		07/24/23	U23112		GC	10.8	121.0	11.4	119.8	133.5	6	99.0	98	-2 / 2	C
219		07/24/23	U23112		GC	10.8	121.0	11.1	119.3	132.5	6	98.6	98	-2 / 2	C
220		07/24/23	U23112		GC	10.8	121.0	10.8	120.8	133.8	6	99.8	98	-2 / 2	C
221		07/24/23	U23112		GC	10.8	121.0	10.7	121.3	134.3	6	100.2	98	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
209	Sewer Laterals: Line C STA 4+33								1st Lift		Troxler / 3430 / 24204 / 06/07/2023			Ramirez, Julius	
210	Sewer Laterals: Line C STA 5+65								1st Lift		Troxler / 3430 / 24204 / 06/07/2023			Ramirez, Julius	
216	Sewer Laterals: Line C STA 1+54								2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
217	Sewer Laterals: Line C STA 2+47								2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
218	Sewer Laterals: Line C STA 3+61								2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
219	Sewer Laterals: Line C STA 5+30								2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
220	Sewer Laterals: Line C STA 7+10								2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
221	Sewer Laterals: Line C STA 8+45								2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
222		07/24/23	U23112		GC	10.8	121.0	11.0	119.5	132.6	6	98.8	98	-2 / 2	C
223		07/25/23	U23112		GC	10.8	121.0	11.2	119.2	132.6	6	98.5	98	-2 / 2	C
224		07/25/23	U23112		GC	10.8	121.0	11.3	120.5	134.1	6	99.6	98	-2 / 2	C
225		07/25/23	U23112		GC	10.8	121.0	11.4	119.8	133.5	6	99.0	98	-2 / 2	C
226		07/25/23	U23112		GC	10.8	121.0	11.5	119.3	133.0	6	98.6	98	-2 / 2	C
227		07/25/23	U23112		GC	10.8	121.0	9.9	120.2	132.1	6	99.3	98	-2 / 2	C
228		07/25/23	U23112		GC	10.8	121.0	11.1	120.4	133.8	6	99.5	98	-2 / 2	C
229		07/25/23	U23112		GC	10.8	121.0	11.1	120.4	133.8	6	99.5	98	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
222	Sewer Laterals: Line C STA 10+83							2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
223	Sewer Laterals: Line C STA 1+57							3rd Lift		Troxler / 3430 / 62183 / 08/29/2022			Cisneros, Ramiro		
224	Sewer Laterals: Line C STA 2+39							3rd Lift		Troxler / 3430 / 62183 / 08/29/2022			Cisneros, Ramiro		
225	Sewer Laterals: Line C STA 3+22							3rd Lift		Troxler / 3430 / 62183 / 08/29/2022			Cisneros, Ramiro		
226	Sewer Laterals: Line C STA 4+10							3rd Lift		Troxler / 3430 / 62183 / 08/29/2022			Cisneros, Ramiro		
227	Sewer Laterals: Line C STA 5+14							3rd Lift		Troxler / 3430 / 62183 / 08/29/2022			Cisneros, Ramiro		
228	Sewer Laterals: Line C STA 6+15							3rd Lift		Troxler / 3430 / 62183 / 08/29/2022			Cisneros, Ramiro		
229	Sewer Laterals: Line C STA 7+10							3rd Lift		Troxler / 3430 / 62183 / 08/29/2022			Cisneros, Ramiro		
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
230		07/25/23	U23112		GC	10.8	121.0	11.1	120.8	134.2	6	99.8	98	-2 / 2	C
231		07/25/23	U23112		GC	10.8	121.0	10.5	119.6	132.2	6	98.8	98	-2 / 2	C
232		07/25/23	U23112		GC	10.8	121.0	10.7	120.4	133.3	6	99.5	98	-2 / 2	C
233		07/25/23	U23112		GC	10.8	121.0	11.3	120.5	134.1	6	99.6	98	-2 / 2	C
236		08/07/23	U23110		CH	15.0	113.2	13.0	114.6	129.5	4	101.2	98	-2 / 2	C
237		08/07/23	U23110		CH	15.0	113.2	13.9	114.4	130.3	4	101.1	98	-2 / 2	C
238		08/07/23	U23110		CH	15.0	113.2	13.8	116.9	133.0	4	103.3	98	-2 / 2	C
239		08/07/23	U23110		CH	15.0	113.2	14.5	114.0	130.5	4	100.7	98	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
230	Sewer Laterals: Line C STA 8+00							3rd Lift		Troxler / 3430 / 62183 / 08/29/2022			Cisneros, Ramiro		
231	Sewer Laterals: Line C STA 8+85							3rd Lift		Troxler / 3430 / 62183 / 08/29/2022			Cisneros, Ramiro		
232	Sewer Laterals: Line C STA 9+72							3rd Lift		Troxler / 3430 / 62183 / 08/29/2022			Cisneros, Ramiro		
233	Sewer Laterals: Line C STA 11+23							3rd Lift		Troxler / 3430 / 62183 / 08/29/2022			Cisneros, Ramiro		
236	Sewer Laterals: Line D STA 2+01							1st Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James		
237	Sewer Laterals: Line D STA 2+37							1st Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James		
238	Sewer Laterals: Line D STA 3+25							1st Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James		
239	Sewer Laterals: Line D STA 4+36							1st Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James		
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
240		08/07/23	U23110		CH	15.0	113.2	13.7	113.5	129.0	4	100.3	98	-2 / 2	C
241		08/07/23	U23110		CH	15.0	113.2	13.5	114.8	130.3	4	101.4	98	-2 / 2	C
242		08/07/23	U23110		CH	15.0	113.2	13.8	114.1	129.8	4	100.8	98	-2 / 2	C
245		08/07/23	U23110		CH	15.0	113.2	14.6	111.8	128.1	4	98.8	98	-2 / 2	C
246		08/07/23	U23110		CH	15.0	113.2	14.7	114.4	131.2	4	101.1	98	-2 / 2	C
247		08/07/23	U23110		CH	15.0	113.2	14.5	115.7	132.5	4	102.2	98	-2 / 2	C
248		08/07/23	U23110		CH	15.0	113.2	15.8	114.2	132.2	4	100.9	98	-2 / 2	C
249		08/07/23	U23110		CH	15.0	113.2	14.4	115.1	131.7	4	101.7	98	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
240	Sewer Laterals: Line D STA 4+78								1st Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James	
241	Sewer Laterals: Line D STA 5+44								1st Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James	
242	Sewer Laterals: Line D STA 6+05								1st Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James	
245	Sewer Laterals: Line D STA 2+01								2nd Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James	
246	Sewer Laterals: Line D STA 2+37								2nd Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James	
247	Sewer Laterals: Line D STA 3+25								2nd Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James	
248	Sewer Laterals: Line D STA 4+36								2nd Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James	
249	Sewer Laterals: Line D STA 4+78								2nd Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James	
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
250		08/07/23	U23110		CH	15.0	113.2	13.2	112.7	127.6	4	99.6	98	-2 / 2	C
251		08/07/23	U23110		CH	15.0	113.2	13.0	116.9	132.1	4	103.3	98	-2 / 2	C
254		08/08/23	U23110		CH	15.0	113.2	15.1	112.9	129.9	6	99.7	98	-2 / 2	C
255		08/08/23	U23110		CH	15.0	113.2	14.9	113.1	130.0	6	99.9	98	-2 / 2	C
256		08/08/23	U23110		CH	15.0	113.2	15.3	111.9	129.0	6	98.9	98	-2 / 2	C
257		08/08/23	U23110		CH	15.0	113.2	15.5	112.8	130.3	6	99.6	98	-2 / 2	C
258		08/08/23	U23110		CH	15.0	113.2	15.3	112.6	129.8	6	99.5	98	-2 / 2	C
259		08/08/23	U23110		CH	15.0	113.2	15.4	112.5	129.8	6	99.4	98	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
250	Sewer Laterals: Line D STA 5+44								2nd Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James	
251	Sewer Laterals: Line D STA 6+05								2nd Lift		Troxler / 3430P / 76396 / 07/28/2023			Olson, James	
254	Sewer Laterals: Line D STA 1+53								3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
255	Sewer Laterals: Line D STA 2+37								3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
256	Sewer Laterals: Line D STA 3+25								3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
257	Sewer Laterals: Line D STA 4+04								3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
258	Sewer Laterals: Line D STA 4+78								3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
259	Sewer Laterals: Line D STA 5+44								3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
260		08/08/23	U23110		CH	15.0	113.2	15.7	112.0	129.6	6	98.9	98	-2 / 2	C
266		08/09/23	U23112		GC	10.8	121.0	11.0	119.9	133.1	6	99.1	98	-2 / 2	C
267		08/09/23	U23112		GC	10.8	121.0	10.6	119.7	132.4	6	98.9	98	-2 / 2	C
268		08/09/23	U23112		GC	10.8	121.0	10.2	121.4	133.8	6	100.3	98	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
260	Sewer Laterals: Line D STA 6+05								3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
266	Sewer Laterals: Line E STA 1+50								1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
267	Sewer Laterals: Line E STA 2+43								1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
268	Sewer Laterals: Line E STA 3+33								1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick	
Remarks						Comments									
C: Compliant						Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.									

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
269		08/09/23	U23112		GC	10.8	121.0	10.7	120.8	133.7	6	99.8	98	-2 / 2	C
270		08/09/23	U23112		GC	10.8	121.0	10.9	120.2	133.3	6	99.3	98	-2 / 2	C
271		08/09/23	U23112		GC	10.8	121.0	10.9	121.0	134.2	6	100.0	98	-2 / 2	C
272		08/09/23	U23112		GC	10.8	121.0	11.4	120.3	134.0	6	99.4	98	-2 / 2	C
273		08/09/23	U23112		GC	10.8	121.0	11.1	119.5	132.8	6	98.8	98	-2 / 2	C
276		08/09/23	U23112		GC	10.8	121.0	10.8	120.2	133.2	6	99.3	98	-2 / 2	C
277		08/09/23	U23112		GC	10.8	121.0	10.7	120.8	133.7	6	99.8	98	-2 / 2	C
278		08/09/23	U23112		GC	10.8	121.0	10.7	119.6	132.4	6	98.8	98	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
269	Sewer Laterals: Line E STA 4+20							1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
270	Sewer Laterals: Line E STA 4+86							1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
271	Sewer Laterals: Line E STA 5+94							1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
272	Sewer Laterals: Line E STA 6+64							1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
273	Sewer Laterals: Line E STA 7+40							1st Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
276	Sewer Laterals: Line E STA 1+56							2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
277	Sewer Laterals: Line E STA 2+38							2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
278	Sewer Laterals: Line E STA 3+29							2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023
Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
279		08/09/23	U23112		GC	10.8	121.0	10.4	120.3	132.8	6	99.4	98	-2 / 2	C
280		08/09/23	U23112		GC	10.8	121.0	10.9	120.1	133.2	6	99.3	98	-2 / 2	C
281		08/09/23	U23112		GC	10.8	121.0	11.3	119.5	133.0	6	98.8	98	-2 / 2	C
282		08/09/23	U23112		GC	10.8	121.0	10.5	120.4	133.0	6	99.5	98	-2 / 2	C
285		08/10/23	U23112		GC	10.8	121.0	10.4	120.5	133.0	6	99.6	98	-2 / 2	C
286		08/10/23	U23112		GC	10.8	121.0	10.6	120.3	133.1	6	99.4	98	-2 / 2	C
287		08/10/23	U23112		GC	10.8	121.0	10.2	120.4	132.7	6	99.5	98	-2 / 2	C
288		08/10/23	U23112		GC	10.8	121.0	10.7	120.6	133.5	6	99.7	98	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
279	Sewer Laterals: Line E STA 4+38							2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
280	Sewer Laterals: Line E STA 5+31							2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
281	Sewer Laterals: Line E STA 6+56							2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
282	Sewer Laterals: Line E STA 7+49							2nd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
285	Sewer Laterals: Line E STA 1+98							3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
286	Sewer Laterals: Line E STA 2+86							3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
287	Sewer Laterals: Line E STA 3+78							3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
288	Sewer Laterals: Line E STA 4+60							3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.



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

Compaction Evaluation

Report Date: 12/29/2023

Test Method: ASTM D6938, Tex 115E

Client:

Pulte Homes of Texas, LP
1718 Dry Creek Way Suite 120
San Antonio, TX 78259

Project:

S222064
McCrary Unit 14
29.543449, -98.739618
San Antonio, TX

Test Results															
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Optimum Moisture Tolerance (%)	Remark
289		08/10/23	U23112		GC	10.8	121.0	10.1	121.0	133.2	6	100.0	98	-2 / 2	C
290		08/10/23	U23112		GC	10.8	121.0	10.6	119.7	132.4	6	98.9	98	-2 / 2	C
291		08/10/23	U23112		GC	10.8	121.0	10.7	120.9	133.8	6	99.9	98	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
289	Sewer Laterals: Line E STA 5+23							3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
290	Sewer Laterals: Line E STA 6+20							3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
291	Sewer Laterals: Line E STA 6+95							3rd Lift		Troxler / 3430P / 80148 / 11/02/2022			Kirkwood, Nick		
Remarks					Comments										
C: Compliant					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Testing performed when called in.
InTEC did not observe the installation of the material.
Testing directed by the City Inspector when present.
Test results apply only to the specific locations and materials noted and may not represent any other locations or elevations.