



Construction Materials Testing
Sewerline Installation—Backfill Compaction
Corley Farms Unit 1
Boerne, Texas

InTEC Project No. S212188-1
October 18, 2023

Pulte Homes Of Texas, L.P.
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

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

October 18, 2023

Pulte Homes of Texas, L.P.
1718 Dry Creek Way, Suite 120
San Antonio, Texas 78259

Attention: Mr. Cameron Sasko

Re: Construction Materials Testing
Sewerline Installation – Backfill Compaction
Corley Farms Unit 1
Boerne, Texas

InTEC Project #: S212188-1

Gentlemen:

Integrated Testing and Engineering Company of San Antonio, L.P. (InTEC) performed compaction evaluation at the above referenced project site between December 21, 2021 and June 8, 2023.

Field density tests were performed on an “on call” basis by the contractor. Full time observation of fill placement was not performed. 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.

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

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

Copies Submitted: Above (1)



LABORATORY COMPACTION TEST RESULTS

**TESTED FOR:**

Pulte Homes of Texas, L.P.
1718 Dry Creek Way, Suite 120
San Antonio, Texas

PROJECT:

Compaction Evaluation
Corley Farms Unit 1
Boerne, Texas

PROJECT NO: S212188

SOIL ID	17648		
SOIL TYPE	Tan gravelly clay		
TEST METHOD	ASTM D1557		
SAMPLE DATE	12/14/2021		
MAXIMUM DRY DENSITY	119.9 PCF		
OPTIMUM WATER CONTENT	12.5 %		

DISTRIBUTION:	Above (1)		
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Respectfully submitted

murali

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

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

12028 Radium, San Antonio, Texas 78216

Phone: (210) 525-9033

Fax: (210) 525-9032

LABORATORY COMPACTION TEST RESULTS

**TESTED FOR:**

Pulte Homes of Texas, L.P.
1718 Dry Creek Way, Suite 120
San Antonio, Texas

PROJECT:

Compaction Evaluation
Corley Farms Unit 1
Boerne, Texas

PROJECT NO: S212188

SOIL ID	17649		
SOIL TYPE	Tan to brown gravelly clay		
TEST METHOD	ASTM D1557		
SAMPLE DATE	12/14/2021		
MAXIMUM DRY DENSITY	125.1 PCF		
OPTIMUM WATER CONTENT	10.9 %		

DISTRIBUTION:	Above (1)		
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Respectfully submitted

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

Compaction Evaluation

Report Date: 10/18/2023
Test Method: ASTM D6938, Tex 115E

Client:

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

Project:

S212188
Corley Farms Unit 1
29.737543477901177, -98.71426779610178
Boerne, 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
58		12/21/21	U17648		GC	12.5	119.9	13.5	116.7	132.5	8	97.3	95	-2 / 2	C
59		12/21/21	U17648		GC	12.5	119.9	14.3	116.8	133.5	8	97.4	95	-2 / 2	C
60		12/21/21	U17648		GC	12.5	119.9	14.0	118.9	135.6	8	99.2	95	-2 / 2	C
61		12/21/21	U17648		GC	12.5	119.9	11.5	115.3	128.6	8	96.2	95	-2 / 2	C
62		12/21/21	U17648		GC	12.5	119.9	12.3	115.1	129.3	8	96.0	95	-2 / 2	C
63		12/21/21	U17648		GC	12.5	119.9	13.8	114.1	129.9	8	95.2	95	-2 / 2	C
64		12/22/21	U17648		GC	12.5	119.9	12.3	116.7	131.0	8	97.3	95	-2 / 2	C
65		12/22/21	U17648		GC	12.5	119.9	13.5	116.7	132.5	8	97.3	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
58	Sewer Main: Line A STA 16+50								1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
59	Sewer Main: Line A STA 14+50								1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
60	Sewer Main: Line A STA 11+50								1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
61	Sewer Main: Line A STA 16+75								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
62	Sewer Main: Line A STA 14+00								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
63	Sewer Main: Line A STA 11+00								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
64	Sewer Main: Line A STA 16+00								3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
65	Sewer Main: Line A STA 14+00								3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
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.



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12028 Radium
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66		12/22/21	U17648		GC	12.5	119.9	12.6	115.3	129.8	8	96.2	95	-2 / 2	C
67		12/22/21	U17648		GC	12.5	119.9	13.8	114.9	130.8	8	95.8	95	-2 / 2	C
68		12/22/21	U17648		GC	12.5	119.9	12.8	120.4	135.8	8	100.4	95	-2 / 2	C
69		12/22/21	U17648		GC	12.5	119.9	13.9	117.8	134.2	8	98.2	95	-2 / 2	C
70		12/22/21	U17648		GC	12.5	119.9	11.8	118.7	132.7	8	99.0	95	-2 / 2	C
71		12/22/21	U17648		GC	12.5	119.9	13.5	117.4	133.2	8	97.9	95	-2 / 2	C
72		12/23/21	U17648		GC	12.5	119.9	12.8	117.7	132.8	8	98.2	95	-2 / 2	C
73		12/23/21	U17648		GC	12.5	119.9	13.3	114.9	130.2	8	95.8	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
66	Sewer Main: Line A STA 12+00								3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
67	Sewer Main: Line A STA 10+50								3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
68	Sewer Main: Line A STA 17+00								4th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
69	Sewer Main: Line A STA 15+00								4th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
70	Sewer Main: Line A STA 13+00								4th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
71	Sewer Main: Line A STA 11+00								4th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
72	Sewer Main: Line A STA 11+00								5th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
73	Sewer Main: Line A STA 13+00								5th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
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.										

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74		12/23/21	U17648		GC	12.5	119.9	13.6	115.1	130.7	8	96.0	95	-2 / 2	C
75		12/23/21	U17648		GC	12.5	119.9	12.4	114.6	128.8	8	95.6	95	-2 / 2	C
76		12/27/21	U17648		GC	12.5	119.9	11.0	119.1	132.2	6	99.3	95	-2 / 2	C
77		12/27/21	U17648		GC	12.5	119.9	11.5	118.0	131.6	6	98.4	95	-2 / 2	C
78		12/28/21	U17648		GC	12.5	119.9	13.8	118.7	135.1	8	99.0	95	-2 / 2	C
79		12/29/21	U17648		GC	12.5	119.9	12.9	117.3	132.4	8	97.8	95	-2 / 2	C
80		01/15/22	U17648		GC	12.5	119.9	12.8	120.7	136.1	6	100.7	95	-2 / 2	C
81		01/17/22	U17648		GC	12.5	119.9	12.4	116.4	130.8	6	97.1	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
74	Sewer Main: Line A STA 15+00								5th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
75	Sewer Main: Line A STA 17+00								5th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
76	Sewer Main: Line A STA 8+00								1st Lift		Troxler / 3430P / 69895 / 08/18/2021			Alexander, Jeffrey	
77	Sewer Main: Line A STA 8+50								2nd Lift		Troxler / 3430P / 69895 / 08/18/2021			Alexander, Jeffrey	
78	Sewer Main: Line A STA 7+50								3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
79	Sewer Main: Line A STA 9+00								4th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
80	Sewer Main: Line B STA 2+00								1st Lift		CPN - Instron / MC-1 Elite / 31294 / 07/01/2021			Foley, Ryan	
81	Sewer Main: Line A STA 5+00								1st Lift		Troxler / 3430 / 38396 / 09/24/2021			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.									

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82		01/17/22	U17648		GC	12.5	119.9	12.5	117.0	131.6	6	97.6	95	-2 / 2	C
83		01/17/22	U17648		GC	12.5	119.9	12.1	117.7	131.9	6	98.2	95	-2 / 2	C
84		01/17/22	U17648		GC	12.5	119.9	12.9	117.0	132.1	6	97.6	95	-2 / 2	C
85		01/17/22	U17648		GC	12.5	119.9	12.6	117.6	132.4	6	98.1	95	-2 / 2	C
86		01/17/22	U17648		GC	12.5	119.9	12.3	117.1	131.5	6	97.7	95	-2 / 2	C
87		01/18/22	U17648		GC	12.5	119.9	12.8	117.6	132.7	6	98.1	95	-2 / 2	C
88		01/18/22	U17648		GC	12.5	119.9	12.4	117.3	131.9	6	97.8	95	-2 / 2	C
89		01/18/22	U17648		GC	12.5	119.9	12.7	117.4	132.3	6	97.9	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
82	Sewer Main: Line B STA 2+00								2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
83	Sewer Main: Line C STA 11+50								1st Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
84	Sewer Main: Line A STA 5+00								2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
85	Sewer Main: Line B STA 2+00								3rd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
86	Sewer Main: Line C STA 11+50								2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
87	Sewer Main: Line A STA 5+00								3rd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
88	Sewer Main: Line B STA 2+00								4th Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
89	Sewer Main: Line C STA 11+50								3rd Lift		Troxler / 3430 / 38396 / 09/24/2021			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.										

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90		01/18/22	U17648		GC	12.5	119.9	11.8	118.2	132.1	8	98.6	95	-2 / 2	C
91		01/18/22	U17648		GC	12.5	119.9	13.2	121.0	137.0	8	100.9	95	-2 / 2	C
92		01/18/22	U17648		GC	12.5	119.9	10.9	116.2	128.9	8	96.9	95	-2 / 2	C
93		01/19/22	U17648		GC	12.5	119.9	12.7	116.3	131.1	6	97.0	95	-2 / 2	C
94		01/19/22	U17648		GC	12.5	119.9	12.9	116.7	131.8	6	97.3	95	-2 / 2	C
95		01/19/22	U17648		GC	12.5	119.9	12.5	117.3	132.0	6	97.8	95	-2 / 2	C
96		01/19/22	U17648		GC	12.5	119.9	12.7	117.5	132.4	6	98.0	95	-2 / 2	C
97		01/20/22	U17648		GC	12.5	119.9	12.4	117.8	132.4	6	98.2	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
90	Sewer Main: Line A STA 4+50								4th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
91	Sewer Main: Line B STA 1+50								5th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
92	Sewer Main: Line C STA 10+50								4th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
93	Sewer Main: Line A STA 6+00								5th Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
94	Sewer Main: Line D STA 3+00								1st Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
95	Sewer Main: Line C STA 11+00								5th Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
96	Sewer Main: Line D STA 3+00								2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
97	Sewer Main: Line D STA 3+00								3rd Lift		Troxler / 3430 / 38396 / 09/24/2021			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.										

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98		01/21/22	U17648		GC	12.5	119.9	12.1	118.7	133.1	6	99.0	95	-2 / 2	C
99		01/21/22	U17648		GC	12.5	119.9	12.3	118.3	132.8	6	98.7	95	-2 / 2	C
115		01/25/22	U17648		GC	12.5	119.9	12.1	120.3	134.9	8	100.3	95	-2 / 2	C
116		01/25/22	U17648		GC	12.5	119.9	10.5	118.7	131.2	8	99.0	95	-2 / 2	C
117		01/25/22	U17648		GC	12.5	119.9	12.7	119.0	134.1	6	99.2	95	-2 / 2	C
118		01/25/22	U17648		GC	12.5	119.9	12.9	119.4	134.8	6	99.6	95	-2 / 2	C
119		01/26/22	U17649		GC	10.9	125.1	9.9	126.7	139.2	8	101.3	95	-2 / 2	C
120		01/26/22	U17649		GC	10.9	125.1	10.1	124.3	136.9	8	99.4	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
98	Sewer Main: Line D STA 3+00								4th Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
99	Sewer Main: Line D STA 3+00								5th Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
115	Sewer Main: Line C STA 4+00								1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
116	Sewer Main: Line C STA 7+50								1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
117	Sewer Main: Line C STA 5+00								2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
118	Sewer Main: Line C STA 8+00								2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
119	Sewer Main: Line C STA 4+50								3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
120	Sewer Main: Line C STA 8+50								3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
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Test Method: ASTM D6938, Tex 115E

Client:

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

Project:

S212188
Corley Farms Unit 1
29.737543477901177, -98.71426779610178
Boerne, 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
121		01/26/22	U17648		GC	12.5	119.9	10.8	117.8	130.5	8	98.2	95	-2 / 2	C
122		01/26/22	U17648		GC	12.5	119.9	10.9	116.2	128.9	8	96.9	95	-2 / 2	C
123		01/26/22	U17648		GC	12.5	119.9	11.3	115.6	128.7	8	96.4	95	-2 / 2	C
124		01/27/22	U17648		GC	12.5	119.9	12.9	116.8	131.9	8	97.4	95	-2 / 2	C
125		01/27/22	U17648		GC	12.5	119.9	13.8	117.6	133.8	8	98.1	95	-2 / 2	C
126		01/27/22	U17648		GC	12.5	119.9	12.3	120.1	134.9	8	100.2	95	-2 / 2	C
127		01/28/22	U17648		GC	12.5	119.9	11.8	117.9	131.8	8	98.3	95	-2 / 2	C
128		01/28/22	U17648		GC	12.5	119.9	10.9	116.9	129.6	8	97.5	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
121	Sewer Main: Line C STA 1+75								1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
122	Sewer Main: Line C STA 4+75								4th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
123	Sewer Main: Line C STA 8+75								4th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
124	Sewer Main: Line C STA 2+15								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
125	Sewer Main: Line C STA 8+95								5th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
126	Sewer Main: Line C STA 3+00								3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
127	Sewer Main: Line C STA 2+75								4th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
128	Sewer Main: Line C STA 1+75								5th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
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: 10/18/2023
Test Method: ASTM D6938, Tex 115E

Client:

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

Project:

S212188
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Boerne, TX

Test Results															
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215		03/24/22	U17649		GC	10.9	125.1	10.4	124.3	137.2	8	99.4	95	-2 / 2	C
216		03/24/22	U17649		GC	10.9	125.1	10.6	123.8	136.9	8	99.0	95	-2 / 2	C
217		03/25/22	U17649		GC	10.9	125.1	10.4	122.9	135.7	8	98.2	95	-2 / 2	C
219		03/25/22	U17649		GC	10.9	125.1	9.5	125.6	137.5	8	100.4	95	-2 / 2	C
428		03/13/23	U17648		GC	12.5	119.9	11.4	117.8	131.2	8	98.2	95	-2 / 2	C
429		03/13/23	U17648		GC	12.5	119.9	10.9	116.9	129.6	8	97.5	95	-2 / 2	C
430		03/13/23	U17648		GC	12.5	119.9	11.4	117.3	130.7	8	97.8	95	-2 / 2	C
431		03/13/23	U17648		GC	12.5	119.9	12.3	118.2	132.7	8	98.6	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
215	Sewer Main: Line B STA 2+50								1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
216	Sewer Main: Line B STA 2+50								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
217	Sewer Main: Line B STA 2+50								3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
219	Sewer Main: Line B STA 2+50								4th Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
428	Sewer Main: Line E STA 22+00								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
429	Sewer Main: Line E STA 19+50								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
430	Sewer Main: Line E STA 19+50								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
431	Sewer Main: Line E STA 16+50								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.										

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Boerne, TX

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432		03/13/23	U17648		GC	12.5	119.9	12.3	117.2	131.6	8	97.7	95	-2 / 2	C
433		03/13/23	U17648		GC	12.5	119.9	13.2	118.1	133.7	8	98.5	95	-2 / 2	C
434		03/13/23	U17648		GC	12.5	119.9	12.6	117.1	131.9	8	97.7	95	-2 / 2	C
435		03/13/23	U17648		GC	12.5	119.9	13.2	116.5	131.9	8	97.2	95	-2 / 2	C
436		03/13/23	U17648		GC	12.5	119.9	13.3	118.9	134.7	8	99.2	95	-2 / 2	C
437		03/13/23	U17648		GC	12.5	119.9	12.4	116.2	130.6	8	96.9	95	-2 / 2	C
438		03/13/23	U17648		GC	12.5	119.9	13.6	117.7	133.7	8	98.2	95	-2 / 2	C
439		03/14/23	U17648		GC	12.5	119.9	13.2	120.4	136.3	8	100.4	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
432	Sewer Main: Line E STA 13+50								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
433	Sewer Main: Line E STA 10+04								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
434	Sewer Main: Line E STA 22+00								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
435	Sewer Main: Line E STA 19+50								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
436	Sewer Main: Line E STA 16+50								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
437	Sewer Main: Line E STA 13+50								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
438	Sewer Main: Line E STA 10+04								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
439	Sewer Main: Line E STA 22+00								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.										

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440		03/14/23	U17648		GC	12.5	119.9	11.8	121.8	136.2	8	101.6	95	-2 / 2	C
441		03/14/23	U17648		GC	12.5	119.9	11.4	118.2	131.7	8	98.6	95	-2 / 2	C
442		03/14/23	U17648		GC	12.5	119.9	10.9	117.8	130.6	8	98.2	95	-2 / 2	C
443		03/14/23	U17648		GC	12.5	119.9	11.1	118.2	131.3	8	98.6	95	-2 / 2	C
444		03/14/23	U17648		GC	12.5	119.9	11.7	118.2	132.0	8	98.6	95	-2 / 2	C
445		03/14/23	U17648		GC	12.5	119.9	12.4	117.8	132.4	8	98.2	95	-2 / 2	C
446		03/14/23	U17648		GC	12.5	119.9	11.3	116.8	130.0	8	97.4	95	-2 / 2	C
447		03/14/23	U17648		GC	12.5	119.9	10.8	116.9	129.5	8	97.5	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
440	Sewer Main: Line E STA 19+50								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
441	Sewer Main: Line E STA 16+50								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
442	Sewer Main: Line E STA 13+50								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
443	Sewer Main: Line E STA 10+04								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
444	Sewer Main: Line E STA 22+00								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
445	Sewer Main: Line E STA 19+50								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
446	Sewer Main: Line E STA 16+50								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
447	Sewer Main: Line E STA 13+50								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.										

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448		03/14/23	U17648		GC	12.5	119.9	10.9	118.2	131.1	8	98.6	95	-2 / 2	C
449		03/14/23	U17648		GC	12.5	119.9	11.3	119.2	132.7	8	99.4	95	-2 / 2	C
450		03/14/23	U17648		GC	12.5	119.9	12.3	117.7	132.2	8	98.2	95	-2 / 2	C
451		03/15/23	U17649		GC	10.9	125.1	9.7	123.9	135.9	8	99.0	95	-2 / 2	C
452		03/15/23	U17649		GC	10.9	125.1	10.2	124.2	136.9	8	99.3	95	-2 / 2	C
453		03/15/23	U17649		GC	10.9	125.1	9.2	122.5	133.8	8	97.9	95	-2 / 2	C
454		03/15/23	U17649		GC	10.9	125.1	10.5	121.9	134.7	8	97.4	95	-2 / 2	C
455		03/15/23	U17649		GC	10.9	125.1	11.2	123.6	137.4	8	98.8	95	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
448	Sewer Main: Line E STA 10+04							4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
449	Sewer Main: Line E STA 9+00							1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
450	Sewer Main: Line E STA 7+00							1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
451	Sewer Main: Line E STA 22+00							5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
452	Sewer Main: Line E STA 19+50							5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
453	Sewer Main: Line E STA 16+50							5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
454	Sewer Main: Line E STA 13+50							5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
455	Sewer Main: Line E STA 10+04							5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
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.										

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456		03/15/23	U17649		GC	10.9	125.1	11.3	125.2	139.3	8	100.1	95	-2 / 2	C
457		03/15/23	U17649		GC	10.9	125.1	10.7	122.8	135.9	8	98.2	95	-2 / 2	C
458		03/15/23	U17649		GC	10.9	125.1	9.2	124.4	135.8	8	99.4	95	-2 / 2	C
459		03/15/23	U17649		GC	10.9	125.1	10.0	123.9	136.3	8	99.0	95	-2 / 2	C
460		03/15/23	U17649		GC	10.9	125.1	10.5	123.3	136.2	8	98.6	95	-2 / 2	C
461		03/15/23	U17649		GC	10.9	125.1	9.6	125.4	137.4	8	100.2	95	-2 / 2	C
462		03/15/23	U17648		GC	12.5	119.9	11.3	117.4	130.7	6	97.9	95	-2 / 2	C
463		03/15/23	U17648		GC	12.5	119.9	12.1	116.8	130.9	6	97.4	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
456	Sewer Main: Line E STA 9+00								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
457	Sewer Main: Line E STA 7+00								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
458	Sewer Main: Line E STA 5+00								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
459	Sewer Main: Line E STA 2+65								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
460	Sewer Main: Line E STA 1+43								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
461	Sewer Main: Line E STA 1+00								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
462	Sewer Main: Line E STA 9+00								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
463	Sewer Main: Line E STA 7+00								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.										

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464		03/15/23	U17648		GC	12.5	119.9	13.5	118.2	134.2	6	98.6	95	-2 / 2	C
465		03/15/23	U17648		GC	12.5	119.9	11.6	117.2	130.8	6	97.7	95	-2 / 2	C
466		03/15/23	U17648		GC	12.5	119.9	12.3	116.6	130.9	6	97.2	95	-2 / 2	C
467		03/15/23	U17648		GC	12.5	119.9	11.9	118.2	132.3	6	98.6	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
464	Sewer Main: Line E STA 5+00								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
465	Sewer Main: Line E STA 2+65								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
466	Sewer Main: Line E STA 1+43								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
467	Sewer Main: Line E STA 1+00								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.									

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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
468		03/16/23	U17649		GC	10.9	125.1	9.3	124.2	135.8	8	99.3	95	-2 / 2	C
469		03/16/23	U17649		GC	10.9	125.1	10.1	124.3	136.9	8	99.4	95	-2 / 2	C
470		03/16/23	U17649		GC	10.9	125.1	11.2	122.7	136.4	8	98.1	95	-2 / 2	C
471		03/16/23	U17649		GC	10.9	125.1	9.5	123.7	135.5	8	98.9	95	-2 / 2	C
472		03/16/23	U17649		GC	10.9	125.1	10.6	125.4	138.7	8	100.2	95	-2 / 2	C
473		03/16/23	U17649		GC	10.9	125.1	9.9	124.6	136.9	8	99.6	95	-2 / 2	C
474		03/16/23	U17649		GC	10.9	125.1	9.3	123.7	135.2	8	98.9	95	-2 / 2	C
475		03/16/23	U17649		GC	10.9	125.1	10.4	124.2	137.1	8	99.3	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
468	Sewer Main: Line E STA 9+00								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
469	Sewer Main: Line E STA 7+00								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
470	Sewer Main: Line E STA 5+00								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
471	Sewer Main: Line E STA 2+65								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
472	Sewer Main: Line E STA 1+43								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
473	Sewer Main: Line E STA 1+00								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
474	Sewer Main: Line E STA 9+00								5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
475	Sewer Main: Line E STA 7+00								5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.
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InTEC of San Antonio
12028 Radium
San Antonio, TX 78216
Phone: 210-525-9033

Compaction Evaluation

Report Date: 10/18/2023
Test Method: ASTM D6938, Tex 115E

Client:

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

Project:

S212188
Corley Farms Unit 1
29.737543477901177, -98.71426779610178
Boerne, 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
476		03/17/23	U17649		GC	10.9	125.1	9.5	124.3	136.1	8	99.4	95	-2 / 2	C
477		03/17/23	U17649		GC	10.9	125.1	10.4	123.9	136.8	8	99.0	95	-2 / 2	C
478		03/17/23	U17649		GC	10.9	125.1	10.3	124.3	137.1	8	99.4	95	-2 / 2	C
479		03/17/23	U17649		GC	10.9	125.1	10.6	124.9	138.1	8	99.8	95	-2 / 2	C
480		03/17/23	U17649		GC	10.9	125.1	9.4	124.1	135.8	8	99.2	95	-2 / 2	C
481		03/17/23	U17649		GC	10.9	125.1	9.0	123.3	134.4	8	98.6	95	-2 / 2	C
482		03/17/23	U17649		GC	10.9	125.1	8.9	123.9	134.9	8	99.0	95	-2 / 2	C
483		03/17/23	U17649		GC	10.9	125.1	10.2	124.6	137.3	8	99.6	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
476	Sewer Main: Line E STA 5+00								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
477	Sewer Main: Line E STA 2+65								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
478	Sewer Main: Line E STA 1+43								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
479	Sewer Main: Line E STA 1+00								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
480	Sewer Main: Line E STA 5+00								5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
481	Sewer Main: Line E STA 2+65								5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
482	Sewer Main: Line E STA 1+43								5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
483	Sewer Main: Line E STA 1+00								5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.										

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San Antonio, TX 78259

Project:

S212188
Corley Farms Unit 1
29.737543477901177, -98.71426779610178
Boerne, 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
484		03/17/23	U17649		GC	10.9	125.1	10.0	123.6	136.0	8	98.8	95	-2 / 2	C
485		03/17/23	U17649		GC	10.9	125.1	10.7	125.3	138.7	8	100.2	95	-2 / 2	C
486		03/17/23	U17649		GC	10.9	125.1	11.2	122.8	136.6	8	98.2	95	-2 / 2	C
487		03/17/23	U17649		GC	10.9	125.1	9.4	124.4	136.1	8	99.4	95	-2 / 2	C
488		03/20/23	U17649		GC	10.9	125.1	9.4	124.7	136.4	8	99.7	95	-2 / 2	C
489		03/20/23	U17649		GC	10.9	125.1	9.9	123.2	135.4	8	98.5	95	-2 / 2	C
490		03/20/23	U17649		GC	10.9	125.1	11.3	124.7	138.8	8	99.7	95	-2 / 2	C
491		03/20/23	U17649		GC	10.9	125.1	11.6	123.0	137.3	8	98.3	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
484	Sewer Main: Line E STA 1+25								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
485	Sewer Main: Line E STA 2+00								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
486	Sewer Main: Line E STA 4+00								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
487	Sewer Main: Line E STA 6+00								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
488	Sewer Main: Line E STA 1+25								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
489	Sewer Main: Line E STA 2+00								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
490	Sewer Main: Line E STA 4+00								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
491	Sewer Main: Line E STA 6+00								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.									

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Compaction Evaluation

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Pulte Homes of Texas, LP
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Project:

S212188
Corley Farms Unit 1
29.737543477901177, -98.71426779610178
Boerne, 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
492		03/20/23	U17648		GC	12.5	119.9	12.7	120.4	135.7	8	100.4	95	-2 / 2	C
493		03/20/23	U17648		GC	12.5	119.9	13.1	118.8	134.4	8	99.1	95	-2 / 2	C
494		03/20/23	U17648		GC	12.5	119.9	11.8	121.6	135.9	8	101.4	95	-2 / 2	C
495		03/20/23	U17648		GC	12.5	119.9	12.4	119.2	134.0	8	99.4	95	-2 / 2	C
496		03/20/23	U17648		GC	12.5	119.9	12.2	125.4	140.7	8	104.6	95	-2 / 2	C
497		03/20/23	U17649		GC	10.9	125.1	11.3	123.5	137.5	8	98.7	95	-2 / 2	C
498		03/20/23	U17649		GC	10.9	125.1	12.1	122.4	137.2	8	97.8	95	-2 / 2	C
499		03/20/23	U17649		GC	10.9	125.1	11.6	123.8	138.2	8	99.0	95	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
492	Sewer Main: Line E STA 1+25							3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
493	Sewer Main: Line E STA 2+00							3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
494	Sewer Main: Line E STA 4+00							3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
495	Sewer Main: Line E STA 6+00							3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
496	Sewer Main: Line E STA 9+50							1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
497	Sewer Main: Line E STA 10+04							1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
498	Sewer Main: Line E STA 14+50							1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
499	Sewer Main: Line E STA 17+50							1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
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.										

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Compaction Evaluation

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Project:

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Boerne, 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
500		03/20/23	U17649		GC	10.9	125.1	12.3	125.2	140.6	8	100.1	95	-2 / 2	C
501		03/22/23	U17649		GC	10.9	125.1	9.2	123.1	134.4	8	98.4	95	-2 / 2	C
502		03/22/23	U17649		GC	10.9	125.1	9.4	124.0	135.7	8	99.1	95	-2 / 2	C
503		03/22/23	U17649		GC	10.9	125.1	10.1	123.8	136.3	8	99.0	95	-2 / 2	C
504		03/22/23	U17649		GC	10.9	125.1	11.0	124.3	138.0	8	99.4	95	-2 / 2	C
505		03/22/23	U17648		GC	12.5	119.9	12.8	120.8	136.3	8	100.8	95	-2 / 2	C
506		03/22/23	U17648		GC	12.5	119.9	11.9	121.4	135.8	8	101.3	95	-2 / 2	C
507		03/22/23	U17648		GC	12.5	119.9	13.2	123.1	139.3	8	102.7	95	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
500	Sewer Main: Line E STA 21+50							1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
501	Sewer Main: Line E STA 1+25							4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
502	Sewer Main: Line E STA 2+00							4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
503	Sewer Main: Line E STA 4+00							4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
504	Sewer Main: Line E STA 6+00							4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
505	Sewer Main: Line E STA 9+50							2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
506	Sewer Main: Line E STA 11+50							2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
507	Sewer Main: Line E STA 14+50							2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
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.										

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Compaction Evaluation

Report Date: 10/18/2023
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1718 Dry Creek Way Suite 120
San Antonio, TX 78259

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Corley Farms Unit 1
29.737543477901177, -98.71426779610178
Boerne, 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
508		03/22/23	U17648		GC	12.5	119.9	12.7	119.9	135.1	8	100.0	95	-2 / 2	C
509		03/22/23	U17648		GC	12.5	119.9	12.4	118.9	133.6	8	99.2	95	-2 / 2	C
510		03/23/23	U17649		GC	10.9	125.1	9.4	123.7	135.3	8	98.9	95	-2 / 2	C
511		03/23/23	U17649		GC	10.9	125.1	10.2	124.3	137.0	8	99.4	95	-2 / 2	C
512		03/23/23	U17649		GC	10.9	125.1	10.3	123.9	136.7	8	99.0	95	-2 / 2	C
513		03/23/23	U17649		GC	10.9	125.1	10.3	124.5	137.3	8	99.5	95	-2 / 2	C
514		03/23/23	U17649		GC	10.9	125.1	10.4	124.0	136.9	8	99.1	95	-2 / 2	C
515		03/23/23	U17649		GC	10.9	125.1	11.6	123.6	137.9	8	98.8	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
508	Sewer Main: Line E STA 17+50								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
509	Sewer Main: Line E STA 21+00								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
510	Sewer Main: Line E STA 1+25								5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
511	Sewer Main: Line E STA 2+00								5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
512	Sewer Main: Line E STA 4+00								5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
513	Sewer Main: Line E STA 6+00								5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
514	Sewer Main: Line E STA 9+50								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
515	Sewer Main: Line E STA 11+50								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.										

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29.737543477901177, -98.71426779610178
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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
516		03/23/23	U17649		GC	10.9	125.1	11.3	123.2	137.1	8	98.5	95	-2 / 2	C
517		03/23/23	U17649		GC	10.9	125.1	10.5	122.7	135.6	8	98.1	95	-2 / 2	C
518		03/23/23	U17649		GC	10.9	125.1	9.6	124.8	136.8	8	99.8	95	-2 / 2	C
519		03/24/23	U17649		GC	10.9	125.1	9.5	123.5	135.2	8	98.7	95	-2 / 2	C
520		03/24/23	U17649		GC	10.9	125.1	10.3	124.8	137.7	8	99.8	95	-2 / 2	C
521		03/24/23	U17649		GC	10.9	125.1	10.6	124.2	137.4	8	99.3	95	-2 / 2	C
522		03/24/23	U17649		GC	10.9	125.1	9.8	125.8	138.1	8	100.6	95	-2 / 2	C
523		03/24/23	U17649		GC	10.9	125.1	10.2	124.1	136.8	8	99.2	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
516	Sewer Main: Line E STA 14+50								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
517	Sewer Main: Line E STA 17+50								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
518	Sewer Main: Line E STA 21+00								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
519	Sewer Main: Line E STA 9+50								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
520	Sewer Main: Line E STA 11+50								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
521	Sewer Main: Line E STA 14+50								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
522	Sewer Main: Line E STA 17+50								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
523	Sewer Main: Line E STA 21+00								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.										

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

Compaction Evaluation

Report Date: 10/18/2023
Test Method: ASTM D6938, Tex 115E

Client:

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

Project:

S212188
Corley Farms Unit 1
29.737543477901177, -98.71426779610178
Boerne, 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
524		03/24/23	U17649		GC	10.9	125.1	9.3	123.9	135.4	8	99.0	95	-2 / 2	C
525		03/24/23	U17649		GC	10.9	125.1	10.1	124.6	137.2	8	99.6	95	-2 / 2	C
526		03/24/23	U17649		GC	10.9	125.1	11.3	122.9	136.8	8	98.2	95	-2 / 2	C
527		03/24/23	U17649		GC	10.9	125.1	9.9	124.7	137.0	8	99.7	95	-2 / 2	C
528		03/24/23	U17649		GC	10.9	125.1	11.5	123.7	137.9	8	98.9	95	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
524	Sewer Main: Line E STA 9+50							5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
525	Sewer Main: Line E STA 11+50							5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
526	Sewer Main: Line E STA 14+50							5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
527	Sewer Main: Line E STA 17+50							5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
528	Sewer Main: Line E STA 21+00							5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald		
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.
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Compaction Evaluation

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Project:

S212188
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Boerne, 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
100		01/21/22	U17648		GC	12.5	119.9	11.9	117.7	131.7	6	98.2	95	-2 / 2	C
101		01/21/22	U17648		GC	12.5	119.9	12.2	117.7	132.1	6	98.2	95	-2 / 2	C
102		01/21/22	U17648		GC	12.5	119.9	12.4	117.3	131.8	6	97.8	95	-2 / 2	C
103		01/24/22	U17649		GC	10.9	125.1	9.8	124.2	136.4	8	99.3	95	-2 / 2	C
104		01/24/22	U17649		GC	10.9	125.1	8.9	123.8	134.8	8	99.0	95	-2 / 2	C
105		01/24/22	U17649		GC	10.9	125.1	10.2	123.5	136.1	8	98.7	95	-2 / 2	C
106		01/24/22	U17649		GC	10.9	125.1	12.3	125.6	141.0	8	100.4	95	-2 / 2	C
107		01/24/22	U17649		GC	10.9	125.1	9.7	124.2	136.2	8	99.3	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
100	Sewer Laterals: Line C STA 6+60								1st Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
101	Sewer Laterals: Line C STA 7+65								1st Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
102	Sewer Laterals: Line C STA 8+75								1st Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
103	Sewer Laterals: Line C STA 6+60								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
104	Sewer Laterals: Line C STA 7+15								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
105	Sewer Laterals: Line C STA 7+65								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
106	Sewer Laterals: Line C STA 8+20								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
107	Sewer Laterals: Line C STA 8+75								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
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.										

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Pulte Homes of Texas, LP
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San Antonio, TX 78259

Project:

S212188
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29.737543477901177, -98.71426779610178
Boerne, 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
108		01/24/22	U17649		GC	10.9	125.1	11.1	124.8	138.7	8	99.8	95	-2 / 2	C
109		01/24/22	U17648		GC	12.5	119.9	11.7	118.6	132.5	6	98.9	95	-2 / 2	C
110		01/24/22	U17648		GC	12.5	119.9	10.8	118.4	131.2	6	98.7	95	-2 / 2	C
111		01/24/22	U17648		GC	12.5	119.9	12.6	123.5	139.1	6	103.0	95	-2 / 2	C
112		01/24/22	U17648		GC	12.5	119.9	12.4	120.8	135.8	6	100.8	95	-2 / 2	C
113		01/24/22	U17648		GC	12.5	119.9	10.9	124.0	137.5	6	103.4	95	-2 / 2	C
114		01/24/22	U17648		GC	12.5	119.9	10.9	119.2	132.2	6	99.4	95	-2 / 2	C
129		02/01/22	U17648		GC	12.5	119.9	14.4	118.3	135.3	6	98.7	95	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
108	Sewer Laterals: Line C STA 9+03							2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald		
109	Sewer Laterals: Line C STA 6+60							3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald		
110	Sewer Laterals: Line C STA 7+15							3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald		
111	Sewer Laterals: Line C STA 7+65							3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald		
112	Sewer Laterals: Line C STA 8+20							3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald		
113	Sewer Laterals: Line C STA 8+28							3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald		
114	Sewer Laterals: Line C STA 9+03							3rd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald		
129	Sewer Laterals: Line C STA 9+96							1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald		
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.										

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Project:

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Corley Farms Unit 1
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Boerne, 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
130		02/01/22	U17648		GC	12.5	119.9	13.9	118.9	135.4	6	99.2	95	-2 / 2	C
131		02/01/22	U17648		GC	12.5	119.9	14.0	117.6	134.1	6	98.1	95	-2 / 2	C
132		02/01/22	U17648		GC	12.5	119.9	14.1	116.8	133.3	6	97.4	95	-2 / 2	C
133		02/01/22	U17648		GC	12.5	119.9	13.3	114.9	130.2	6	95.8	95	-2 / 2	C
134		02/01/22	U17648		GC	12.5	119.9	13.5	115.2	130.8	6	96.1	95	-2 / 2	C
135		02/01/22	U17648		GC	12.5	119.9	13.2	114.8	130.0	6	95.7	95	-2 / 2	C
136		02/01/22	U17648		GC	12.5	119.9	13.0	116.0	131.1	6	96.7	95	-2 / 2	C
137		02/01/22	U17648		GC	12.5	119.9	13.4	115.2	130.6	6	96.1	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
130	Sewer Laterals: Line C STA 9+99								1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
131	Sewer Laterals: Line C STA 9+84								1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
132	Sewer Laterals: Line C STA 9+53								1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
133	Sewer Laterals: Line C STA 6+71								4th Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
134	Sewer Laterals: Line C STA 7+75								4th Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
135	Sewer Laterals: Line C STA 9+32								2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
136	Sewer Laterals: Line C STA 9+84								2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick	
137	Sewer Laterals: Line C STA 9+96								2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			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.										

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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
138		02/02/22	U17649		GC	10.9	125.1	8.9	123.2	134.2	6	98.5	95	-2 / 2	C
139		02/02/22	U17649		GC	10.9	125.1	10.4	122.8	135.6	6	98.2	95	-2 / 2	C
140		02/02/22	U17649		GC	10.9	125.1	11.5	123.3	137.5	6	98.6	95	-2 / 2	C
141		02/02/22	U17649		GC	10.9	125.1	10.6	124.7	137.9	6	99.7	95	-2 / 2	C
142		02/02/22	U17648		GC	12.5	119.9	13.7	115.1	130.9	6	96.0	95	-2 / 2	C
143		02/02/22	U17648		GC	12.5	119.9	13.4	115.3	130.7	6	96.2	95	-2 / 2	C
144		02/02/22	U17648		GC	12.5	119.9	13.3	115.6	131.0	6	96.4	95	-2 / 2	C
145		02/07/22	U17648		GC	12.5	119.9	12.7	119.0	134.1	6	99.2	95	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
138	Sewer Laterals: Line C STA 1+34							1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald		
139	Sewer Laterals: Line C STA 2+39							1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald		
140	Sewer Laterals: Line C STA 3+42							1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald		
141	Sewer Laterals: Line C STA 4+99							1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald		
142	Sewer Laterals: Line C STA 6+71							5th Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick		
143	Sewer Laterals: Line C STA 9+32							3rd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick		
144	Sewer Laterals: Line C STA 9+96							3rd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick		
145	Sewer Laterals: Line C STA 1+34							2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			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.										

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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
146		02/07/22	U17648		GC	12.5	119.9	12.4	117.9	132.5	6	98.3	95	-2 / 2	C
147		02/07/22	U17648		GC	12.5	119.9	12.8	119.4	134.7	6	99.6	95	-2 / 2	C
148		02/07/22	U17648		GC	12.5	119.9	12.9	118.6	133.9	6	98.9	95	-2 / 2	C
149		02/07/22	U17648		GC	12.5	119.9	12.5	119.3	134.2	6	99.5	95	-2 / 2	C
150		02/07/22	U17648		GC	12.5	119.9	12.5	118.9	133.8	6	99.2	95	-2 / 2	C
151		02/07/22	U17648		GC	12.5	119.9	12.3	117.6	132.1	6	98.1	95	-2 / 2	C
152		02/07/22	U17648		GC	12.5	119.9	12.2	117.2	131.5	6	97.7	95	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
146	Sewer Laterals: Line C STA 2+39							2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick		
147	Sewer Laterals: Line C STA 3+42							2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick		
148	Sewer Laterals: Line C STA 4+99							2nd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick		
149	Sewer Laterals: Line C STA 1+34							3rd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick		
150	Sewer Laterals: Line C STA 2+39							3rd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick		
151	Sewer Laterals: Line C STA 3+42							3rd Lift		Troxler / 3430 / 38396 / 09/24/2021			Kirkwood, Nick		
152	Sewer Laterals: Line C STA 4+99							3rd Lift		Troxler / 3430 / 38396 / 09/24/2021			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.										

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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
218		03/25/22	U17648		GC	12.5	119.9	10.6	118.2	130.7	6	98.6	95	-2 / 2	C
220		03/28/22	U17649		GC	10.9	125.1	9.6	124.3	136.2	6	99.4	95	-2 / 2	C
221		03/28/22	U17649		GC	10.9	125.1	11.1	126.3	140.3	6	101.0	95	-2 / 2	C
222		03/29/22	U17649		GC	10.9	125.1	10.4	126.2	139.3	6	100.9	95	-2 / 2	C
223		03/29/22	U17649		GC	10.9	125.1	10.8	124.7	138.2	6	99.7	95	-2 / 2	C
224		03/30/22	U17649		GC	10.9	125.1	11.5	125.6	140.0	6	100.4	95	-2 / 2	C
225		03/30/22	U17649		GC	10.9	125.1	10.3	124.6	137.4	6	99.6	95	-2 / 2	C
226		03/31/22	U17649		GC	10.9	125.1	11.3	123.7	137.7	8	98.9	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
218	Gas Line Backfill: Homestead Ridge - Right, 250' West of Scenic Loop								1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
220	Gas Line Backfill: Homestead Ridge - Right, 300' West of Scenic Loop								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
221	Gas Line Backfill: Homestead Ridge - Right, 800' West of Scenic Loop								1st Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
222	Gas Line Backfill: Homestead Ridge - Right, 700' West of Scenic Loop								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
223	Gas Line Backfill: Homestead Ridge - Right, 900' West of Scenic Loop								2nd Lift		Troxler / 3430 / 38292 / 03/30/2021			Pereida, Gerald	
224	Gas Line Backfill: Homestead Ridge - Right, 1200' West of Scenic Loop								1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
225	Gas Line Backfill: Homestead Ridge - Right, 1250' West of Scenic Loop								2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
226	Gas Line Backfill: Homestead Ridge - Right, 1700' West of Scenic Loop								1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
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.										

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Boerne, 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
227		03/31/22	U17649		GC	10.9	125.1	9.7	125.1	137.2	6	100.0	95	-2 / 2	C
228		04/01/22	U17649		GC	10.9	125.1	10.8	124.6	138.1	6	99.6	95	-2 / 2	C
229		04/01/22	U17649		GC	10.9	125.1	11.4	124.6	138.8	6	99.6	95	-2 / 2	C
230		04/06/22	U17648		GC	12.5	119.9	34.5	81.2	109.2	6	67.7	95	-2 / 2	NC
231		04/07/22	U17648		GC	12.5	119.9	13.6	120.3	136.7	6	100.3	95	-2 / 2	C
232		04/07/22	U17648		GC	12.5	119.9	14.3	118.2	135.1	6	98.6	95	-2 / 2	C
233		04/07/22	U17648		GC	12.5	119.9	14.3	117.3	134.1	6	97.8	95	-2 / 2	C
234		04/07/22	U17648		GC	12.5	119.9	12.0	118.2	132.4	6	98.6	95	-2 / 2	C
Test Information															
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician		
227	Gas Line Backfill: Homestead Ridge - Right, 1700' West of Scenic Loop							2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald		
228	Gas Line Backfill: Homestead Ridge - Right, 1800' West of Scenic Loop							1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald		
229	Gas Line Backfill: Homestead Ridge - Right, 1800' West of Scenic Loop							2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald		
230	Gas Line Backfill: White Barn Cove, Block 1 Lot 3							1st Lift		CPN / MC-1 Elite / 31194 / 10/14/2021			Morgan, Gregory		
231	Gas Line Backfill: White Barn Cove, Block 1 Lot 3							1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald		
232	Gas Line Backfill: White Barn Cove, Block 1 Lot 5							1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald		
233	Gas Line Backfill: White Barn Cove, Block 1 Lot 8							1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald		
234	Gas Line Backfill: White Barn Cove, Block 1 Lot 4							2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald		
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.										
NC: Non-Compliant															

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: 10/18/2023
Test Method: ASTM D6938, Tex 115E

Client:

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

Project:

S212188
Corley Farms Unit 1
29.737543477901177, -98.71426779610178
Boerne, 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
235		04/07/22	U17648		GC	12.5	119.9	11.3	117.8	131.1	6	98.2	95	-2 / 2	C
236		04/07/22	U17648		GC	12.5	119.9	13.2	117.8	133.3	6	98.2	95	-2 / 2	C
237		04/08/22	U17648		GC	12.5	119.9	12.7	120.5	135.8	6	100.5	95	-2 / 2	C
238		04/08/22	U17648		GC	12.5	119.9	12.4	117.5	132.1	6	98.0	95	-2 / 2	C
239		04/12/22	U17648		GC	12.5	119.9	12.4	123.2	138.5	6	102.8	95	-2 / 2	C
240		04/12/22	U17648		GC	12.5	119.9	11.8	118.2	132.1	6	98.6	95	-2 / 2	C
241		04/12/22	U17648		GC	12.5	119.9	11.2	117.6	130.8	6	98.1	95	-2 / 2	C
242		04/12/22	U17648		GC	12.5	119.9	12.0	123.9	138.8	6	103.3	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
235	Gas Line Backfill: White Barn Cove, Block 1 Lot 6								2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
236	Gas Line Backfill: White Barn Cove, Block 1 Lot 8								2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
237	Gas Line Backfill: Rustic Barn Lane, 200' South of White Barn Cove								1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
238	Gas Line Backfill: Rustic Barn Lane, 200' South of White Barn Cove								2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
239	Gas Line Backfill: Homestead Ridge - Right, 300' West of Rustic Barn Lane								1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
240	Gas Line Backfill: Homestead Ridge - Right, 600' West of Rustic Barn Lane								1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
241	Gas Line Backfill: Homestead Ridge - Right, 900' West of Rustic Barn Lane								1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
242	Gas Line Backfill: Homestead Ridge - Right, 250' West of Rustic Barn Lane								2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
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.										

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

Compaction Evaluation

Report Date: 10/18/2023
Test Method: ASTM D6938, Tex 115E

Client:

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

Project:

S212188
Corley Farms Unit 1
29.737543477901177, -98.71426779610178
Boerne, 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
243		04/12/22	U17648		GC	12.5	119.9	12.6	120.8	136.0	6	100.8	95	-2 / 2	C
244		04/12/22	U17648		GC	12.5	119.9	12.5	118.9	133.8	6	99.2	95	-2 / 2	C
245		04/20/22	U17649		GC	10.9	125.1	12.5	124.3	139.8	6	99.4	95	-2 / 2	C
246		04/20/22	U17649		GC	10.9	125.1	11.7	123.5	137.9	6	98.7	95	-2 / 2	C
247		04/20/22	U17649		GC	10.9	125.1	12.8	123.6	139.4	6	98.8	95	-2 / 2	C
248		04/20/22	U17649		GC	10.9	125.1	11.2	124.3	138.2	6	99.4	95	-2 / 2	C
249		04/20/22	U17649		GC	10.9	125.1	10.9	124.3	137.8	6	99.4	95	-2 / 2	C
250		04/20/22	U17649		GC	10.9	125.1	12.4	125.3	140.8	6	100.2	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
243	Gas Line Backfill: Homestead Ridge - Right, 600' West of Rustic Barn Lane								2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
244	Gas Line Backfill: Homestead Ridge - Right, 850' West of Rustic Barn Lane								2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
245	Gas Line Backfill: White Barn Cove, Block 1 Lot 4/3								1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
246	Gas Line Backfill: White Barn Cove, Block 1 Lot 2/1								1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
247	Gas Line Backfill: Rustic Barn Lane, Block 1 Lot 1								1st Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
248	Gas Line Backfill: White Barn Cove, Block 1 Lot 4/3								2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
249	Gas Line Backfill: White Barn Cove, Block 1 Lot 2/1								2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
250	Gas Line Backfill: Rustic Barn Lane, Block 1 Lot 1								2nd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
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.										

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Compaction Evaluation

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Client:

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

Project:

S212188
Corley Farms Unit 1
29.737543477901177, -98.71426779610178
Boerne, 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
251		04/21/22	U17648		GC	12.5	119.9	12.4	118.4	133.1	6	98.7	95	-2 / 2	C
562		05/26/23	U17649		GC	10.9	125.1	11.4	123.8	137.9	6	99.0	95	-2 / 2	C
563		05/31/23	U17649		GC	10.9	125.1	11.3	124.7	138.8	6	99.7	95	-2 / 2	C
564		05/31/23	U17649		GC	10.9	125.1	10.4	123.7	136.6	6	98.9	95	-2 / 2	C
565		06/01/23	U17649		GC	10.9	125.1	11.5	122.7	136.8	6	98.1	95	-2 / 2	C
566		06/05/23	U17649		GC	10.9	125.1	10.7	124.6	137.9	6	99.6	95	-2 / 2	C
567		06/05/23	U17649		GC	10.9	125.1	10.6	124.8	138.0	6	99.8	95	-2 / 2	C
568		06/05/23	U17649		GC	10.9	125.1	11.0	125.3	139.1	6	100.2	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
251	Gas Line Backfill: Rustic Barn Lane, Block 1 Lot 1								3rd Lift		Troxler / 3430 / 38292 / 03/30/2022			Pereida, Gerald	
562	Gas Line Backfill: Homestead Ridge - Left & Scenic Loop Intersection								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
563	Gas Line Backfill: Homestead Ridge - Left & Scenic Loop Intersection								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
564	Gas Line Backfill: Homestead Ridge - Left & Scenic Loop Intersection								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
565	Gas Line Backfill: Homestead Ridge - Left & Scenic Loop Intersection								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
566	Gas Line Backfill: Homestead Ridge - Left, 100' West of Scenic Loop								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
567	Gas Line Backfill: Homestead Ridge - Left, 200' West of Scenic Loop								1st Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
568	Gas Line Backfill: Homestead Ridge - Left, 200' West of Scenic Loop								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.										

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569		06/05/23	U17649		GC	10.9	125.1	11.4	123.9	138.0	6	99.0	95	-2 / 2	C
570		06/06/23	U17649		GC	10.9	125.1	11.5	122.7	136.8	6	98.1	95	-2 / 2	C
571		06/06/23	U17649		GC	10.9	125.1	11.1	124.6	138.4	6	99.6	95	-2 / 2	C
572		06/06/23	U17649		GC	10.9	125.1	9.9	123.5	135.7	6	98.7	95	-2 / 2	C
573		06/06/23	U17649		GC	10.9	125.1	10.6	122.4	135.4	6	97.8	95	-2 / 2	C
574		06/07/23	U17649		GC	10.9	125.1	11.2	123.8	137.7	6	99.0	95	-2 / 2	C
575		06/07/23	U17649		GC	10.9	125.1	10.4	124.3	137.2	6	99.4	95	-2 / 2	C
576		06/07/23	U17649		GC	10.9	125.1	11.5	122.8	136.9	6	98.2	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
569	Gas Line Backfill: Homestead Ridge - Left, 100' West of Scenic Loop								2nd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
570	Gas Line Backfill: Homestead Ridge - Left, 200' West of Scenic Loop								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
571	Gas Line Backfill: Homestead Ridge - Left, 200' West of Scenic Loop								3rd Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
572	Gas Line Backfill: Homestead Ridge - Left, 100' West of Scenic Loop								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
573	Gas Line Backfill: Homestead Ridge - Left, 200' West of Scenic Loop								4th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
574	Gas Line Backfill: Homestead Ridge - Left, 200' West of Scenic Loop								5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
575	Gas Line Backfill: Homestead Ridge - Left, 100' West of Scenic Loop								5th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
576	Gas Line Backfill: Homestead Ridge - Left, 50' West of Scenic Loop								6th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.										

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577		06/07/23	U17649		GC	10.9	125.1	10.7	124.3	137.6	6	99.4	95	-2 / 2	C
578		06/08/23	U17649		GC	10.9	125.1	9.8	123.4	135.5	6	98.6	95	-2 / 2	C
579		06/08/23	U17649		GC	10.9	125.1	11.3	123.5	137.5	6	98.7	95	-2 / 2	C
Test Information															
Test #	Test Location							Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
577	Gas Line Backfill: Homestead Ridge - Left, 50' West of Scenic Loop								7th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
578	Gas Line Backfill: Homestead Ridge - Left, 50' West of Scenic Loop								8th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
579	Gas Line Backfill: Homestead Ridge - Left, 30' West of Scenic Loop								9th Lift		Troxler / 3430 / 38292 / 07/26/2022			Pereida, Gerald	
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.										