



Construction Materials Testing  
**Waterline Installation—Backfill Compaction**  
**Jungman Tract Unit 2**  
**San Antonio, Texas**

**InTEC Project No. S222144-2**  
September 12, 2023

**Starlight Homes of Texas, LLC**  
17319 San Pedro Avenue, Suite 140  
San Antonio, Texas 78232



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

September 12, 2023

Starlight Homes of Texas, LLC  
17319 San Pedro Avenue, Suite 140  
San Antonio, Texas 78232

**Attention: Mr. Blake Harrington**

Re: Construction Materials Testing  
**Waterline Installation – Backfill Compaction**  
**Jungman Tract Unit 2**  
San Antonio, Texas

**InTEC Project #: S222144-2**

Gentlemen:

Integrated Testing and Engineering Company of San Antonio, L.P. (InTEC) performed compaction evaluation at the above referenced project site between September 16, 2022 and September 22, 2022.

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



09/12/2023

## LABORATORY COMPACTION TEST RESULTS

**TESTED FOR:**

Starlight Homes of Texas, LLC  
17319 San Pedro Avenue, Suite 140  
San Antonio, Texas

**PROJECT:**

Compaction Evaluation  
Jungman Tract Unit 2  
San Antonio, Texas

**PROJECT NO: S222144**

SOIL ID	18953		
SOIL TYPE	Tan clay with gravel		
TEST METHOD	Tex 113E		
SAMPLE DATE	8/12/2022		
MAXIMUM DRY DENSITY	115.6 PCF		
OPTIMUM WATER CONTENT	12.7 %		

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:**

Starlight Homes of Texas, LLC  
17319 San Pedro Avenue, Suite 140  
San Antonio, Texas

**PROJECT:**

Compaction Evaluation  
Jungman Tract Unit 2  
San Antonio, Texas

**PROJECT NO: S222144**

SOIL ID	18954		
SOIL TYPE	Brown clay with gravel		
TEST METHOD	Tex 113E		
SAMPLE DATE	8/12/2022		
MAXIMUM DRY DENSITY	108.7 PCF		
OPTIMUM WATER CONTENT	17.9 %		

DISTRIBUTION:	Above (1)		
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Respectfully submitted

*murali*

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

## Compaction Evaluation

Report Date: 08/11/2023  
Test Method: ASTM D6938, Tex 115E

### Client:

Starlight Homes of Texas, L.L.C.  
17319 San Pedro Avenue, Suite 140  
San Antonio, TX 78232

### Project:

S222144  
Jungman Tract Unit 2  
29.368472246087176, -98.78962756631567  
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. (%)	Remark
529		09/19/22	U18954		CH	17.9	108.7	18.3	111.5	131.9	4	102.6	98	C
530		09/19/22	U18954		CH	17.9	108.7	19.4	112.7	134.6	4	103.7	98	C
531		09/19/22	U18954		CH	17.9	108.7	17.4	110.4	129.6	4	101.6	98	C
532		09/19/22	U18954		CH	17.9	108.7	18.2	111.7	132.0	4	102.8	98	C
533		09/19/22	U18954		CH	17.9	108.7	18.1	113.7	134.3	4	104.6	98	C
534		09/19/22	U18954		CH	17.9	108.7	18.2	107.4	126.9	4	98.8	98	C
535		09/19/22	U18954		CH	17.9	108.7	18.2	114.1	134.9	4	105.0	98	C
536		09/19/22	U18954		CH	17.9	108.7	17.1	113.1	132.4	4	104.0	98	C
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
529	Water Main: Winding Pass, Block 42 Lot 2							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
530	Water Main: Winding Pass, Block 42 Lot 12							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
531	Water Main: Winding Pass, Block 42 Lot 18							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
532	Water Main: Woodland Hollow, Block 46 Lot 1							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
533	Water Main: Woodland Hollow, Block 46 Lot 7							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
534	Water Main: Woodland Hollow, Block 46 Lot 13							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
535	Water Main: Woodland Valley, Block 48 Lot 28							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
536	Water Main: Woodland Valley, Block 48 Lot 16							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
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

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29.368472246087176, -98.78962756631567  
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. (%)	Remark
537		09/19/22	U18954		CH	17.9	108.7	19.3	110.8	132.2	4	101.9	98	C
538		09/19/22	U18954		CH	17.9	108.7	19.3	111.4	132.9	4	102.5	98	C
539		09/19/22	U18954		CH	17.9	108.7	18.3	111.7	132.1	4	102.8	98	C
540		09/19/22	U18954		CH	17.9	108.7	18.8	113.7	135.1	4	104.6	98	C
541		09/19/22	U18954		CH	17.9	108.7	19.3	107.6	128.4	4	99.0	98	C
542		09/19/22	U18954		CH	17.9	108.7	17.9	112.4	132.5	4	103.4	98	C
543		09/20/22	U18954		CH	17.9	108.7	19.3	112.7	134.5	4	103.7	98	C
544		09/20/22	U18954		CH	17.9	108.7	18.7	110.6	131.3	4	101.7	98	C
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
537	Water Main: King Bend, Block 47 Lot 8							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
538	Water Main: King Bend, Block 47 Lot 2							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
539	Water Main: King Bend, Block 44 Lot 2							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
540	Water Main: King Bend, Block 44 Lot 8							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
541	Water Main: King Bend, Block 44 Lot 13							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
542	Water Main: King Bend, Block 44 Lot 18							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
543	Water Main: King Bend, Block 47 Lot 8							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
544	Water Main: King Bend, Block 47 Lot 2							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
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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29.368472246087176, -98.78962756631567  
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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. (%)	Remark
545		09/20/22	U18954		CH	17.9	108.7	18.7	113.6	134.8	4	104.5	98	C
546		09/20/22	U18954		CH	17.9	108.7	18.7	111.7	132.6	4	102.8	98	C
547		09/20/22	U18954		CH	17.9	108.7	19.9	114.1	136.8	4	105.0	98	C
548		09/20/22	U18954		CH	17.9	108.7	18.7	111.7	132.6	4	102.8	98	C
549		09/20/22	U18954		CH	17.9	108.7	19.2	113.7	135.5	4	104.6	98	C
550		09/20/22	U18954		CH	17.9	108.7	18.5	110.6	131.1	4	101.7	98	C
551		09/20/22	U18954		CH	17.9	108.7	19.0	111.6	132.8	4	102.7	98	C
552		09/20/22	U18954		CH	17.9	108.7	18.6	107.8	127.9	4	99.2	98	C
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
545	Water Main: King Bend, Block 44 Lot 2							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
546	Water Main: King Bend, Block 44 Lot 8							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
547	Water Main: King Bend, Block 44 Lot 13							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
548	Water Main: King Bend, Block 44 Lot 18							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
549	Water Main: Woodland Valley, Block 48 Lot 28							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
550	Water Main: Woodland Valley, Block 48 Lot 16							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
551	Water Main: Woodland Hollow, Block 46 Lot 1							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
552	Water Main: Woodland Hollow, Block 46 Lot 7							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
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. (%)	Remark
553		09/20/22	U18954		CH	17.9	108.7	18.2	114.0	134.7	4	104.9	98	C
554		09/20/22	U18954		CH	17.9	108.7	19.2	113.6	135.4	4	104.5	98	C
555		09/20/22	U18954		CH	17.9	108.7	19.6	110.4	132.0	4	101.6	98	C
556		09/20/22	U18954		CH	17.9	108.7	19.5	111.8	133.6	4	102.9	98	C
557		09/21/22	U18954		CH	17.9	108.7	18.6	111.4	132.1	4	102.5	98	C
558		09/21/22	U18954		CH	17.9	108.7	18.2	107.4	126.9	4	98.8	98	C
559		09/21/22	U18954		CH	17.9	108.7	18.4	113.1	133.9	4	104.0	98	C
560		09/21/22	U18954		CH	17.9	108.7	19.3	109.9	131.1	4	101.1	98	C
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
553	Water Main: Woodland Hollow, Block 46 Lot 13							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
554	Water Main: Winding Pass, Block 42 Lot 2							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
555	Water Main: Winding Pass, Block 42 Lot 12							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
556	Water Main: Winding Pass, Block 42 Lot 18							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
557	Water Main: Winding Pass, Block 42 Lot 2							3rd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
558	Water Main: Winding Pass, Block 42 Lot 12							3rd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
559	Water Main: Winding Pass, Block 42 Lot 18							3rd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
560	Water Main: Woodland Hollow, Block 46 Lot 1							3rd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
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 did not observe the installation of the material.  
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### Project:

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Jungman Tract Unit 2  
29.368472246087176, -98.78962756631567  
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. (%)	Remark
561		09/21/22	U18954		CH	17.9	108.7	18.7	112.4	133.4	4	103.4	98	C
562		09/21/22	U18954		CH	17.9	108.7	18.5	106.7	126.4	4	98.2	98	C
563		09/21/22	U18954		CH	17.9	108.7	18.6	107.9	128.0	4	99.3	98	C
564		09/21/22	U18954		CH	17.9	108.7	19.4	110.7	132.2	4	101.8	98	C
565		09/21/22	U18954		CH	17.9	108.7	19.7	110.4	132.1	4	101.6	98	C
566		09/21/22	U18954		CH	17.9	108.7	19.9	113.0	135.5	4	104.0	98	C
567		09/21/22	U18954		CH	17.9	108.7	18.6	112.7	133.7	4	103.7	98	C
568		09/21/22	U18954		CH	17.9	108.7	19.7	107.9	129.2	4	99.3	98	C
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
561	Water Main: Woodland Hollow, Block 46 Lot 7							3rd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
562	Water Main: Woodland Hollow, Block 46 Lot 13							3rd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
563	Water Main: Woodland Valley, Block 48 Lot 28							3rd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
564	Water Main: Woodland Valley, Block 48 Lot 16							3rd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
565	Water Main: King Bend, Block 47 Lot 8							3rd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
566	Water Main: King Bend, Block 47 Lot 2							3rd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
567	Water Main: King Bend, Block 44 Lot 2							3rd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
568	Water Main: King Bend, Block 44 Lot 8							3rd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
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		09/21/22	U18954		CH	17.9	108.7	18.9	111.7	132.8	4	102.8	98	C
570		09/21/22	U18954		CH	17.9	108.7	18.6	109.8	130.2	4	101.0	98	C
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
569	Water Main: King Bend, Block 44 Lot 13							3rd Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
570	Water Main: King Bend, Block 44 Lot 18							3rd Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
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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505		09/16/22	U18954		CH	17.9	108.7	19.2	111.6	133.0	4	102.7	98	C
506		09/16/22	U18954		CH	17.9	108.7	18.2	112.5	133.0	4	103.5	98	C
507		09/16/22	U18954		CH	17.9	108.7	18.2	110.7	130.8	4	101.8	98	C
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509		09/16/22	U18954		CH	17.9	108.7	18.7	113.2	134.4	4	104.1	98	C
510		09/16/22	U18954		CH	17.9	108.7	18.6	112.7	133.7	4	103.7	98	C
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512		09/16/22	U18954		CH	17.9	108.7	18.6	108.3	128.4	4	99.6	98	C
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
505	Water Services: King Bend, Block 45 Lot 1							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
506	Water Services: King Bend, Block 45 Lot 3							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
507	Water Services: King Bend, Block 45 Lot 5							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
508	Water Services: King Bend, Block 45 Lot 7							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
509	Water Services: King Bend, Block 45 Lot 9							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
510	Water Services: King Bend, Block 45 Lot 11							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
511	Water Services: King Bend, Block 45 Lot 13							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
512	Water Services: Woodland Hollow, Block 45 Lot 30							1st Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
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:** 08/11/2023  
**Test Method:** ASTM D6938, Tex 115E

### Client:

Starlight Homes of Texas, L.L.C.  
17319 San Pedro Avenue, Suite 140  
San Antonio, TX 78232

### Project:

S222144  
Jungman Tract Unit 2  
29.368472246087176, -98.78962756631567  
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. (%)	Remark
513		09/16/22	U18954		CH	17.9	108.7	19.2	113.2	134.9	4	104.1	98	C
514		09/16/22	U18954		CH	17.9	108.7	18.2	110.7	130.8	4	101.8	98	C
515		09/16/22	U18954		CH	17.9	108.7	19.2	112.8	134.5	4	103.8	98	C
516		09/16/22	U18954		CH	17.9	108.7	18.6	111.5	132.2	4	102.6	98	C
517		09/16/22	U18954		CH	17.9	108.7	19.1	107.2	127.7	4	98.6	98	C
518		09/16/22	U18954		CH	17.9	108.7	19.4	113.6	135.6	4	104.5	98	C
519		09/16/22	U18954		CH	17.9	108.7	18.7	114.0	135.3	4	104.9	98	C
520		09/16/22	U18954		CH	17.9	108.7	19.2	112.8	134.5	4	103.8	98	C
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated			Field Technician	
513	Water Services: Woodland Hollow, Block 45 Lot 28							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
514	Water Services: Woodland Hollow, Block 45 Lot 26							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
515	Water Services: Woodland Hollow, Block 45 Lot 24							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
516	Water Services: Woodland Hollow, Block 45 Lot 22							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
517	Water Services: Woodland Hollow, Block 45 Lot 20							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
518	Water Services: Woodland Hollow, Block 45 Lot 18							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
519	Water Services: Woodland Hollow, Block 45 Lot 16							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
520	Water Services: Woodland Valley, Block 46 Lot 34							1st Lift		Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny	
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 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. (%)	Remark
521		09/16/22	U18954		CH	17.9	108.7	18.5	110.7	131.2	4	101.8	98	C
522		09/16/22	U18954		CH	17.9	108.7	18.6	110.5	131.1	4	101.7	98	C
523		09/16/22	U18954		CH	17.9	108.7	19.4	113.7	135.8	4	104.6	98	C
524		09/16/22	U18954		CH	17.9	108.7	19.3	114.5	136.6	4	105.3	98	C
525		09/16/22	U18954		CH	17.9	108.7	18.6	107.2	127.1	4	98.6	98	C
526		09/16/22	U18954		CH	17.9	108.7	18.6	111.7	132.5	4	102.8	98	C
527		09/16/22	U18954		CH	17.9	108.7	19.0	110.5	131.5	4	101.7	98	C
528		09/16/22	U18954		CH	17.9	108.7	19.2	113.8	135.6	4	104.7	98	C
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated		Field Technician		
521	Water Services: Woodland Valley, Block 46 Lot 32							1st Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
522	Water Services: Woodland Valley, Block 46 Lot 30							1st Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
523	Water Services: Woodland Valley, Block 46 Lot 28							1st Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
524	Water Services: Woodland Valley, Block 46 Lot 26							1st Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
525	Water Services: Woodland Valley, Block 46 Lot 24							1st Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
526	Water Services: Woodland Valley, Block 46 Lot 22							1st Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
527	Water Services: Woodland Valley, Block 46 Lot 20							1st Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
528	Water Services: Woodland Valley, Block 46 Lot 18							1st Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
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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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. (%)	Remark
571		09/22/22	U18954		CH	17.9	108.7	19.3	110.7	132.1	4	101.8	98	C
572		09/22/22	U18954		CH	17.9	108.7	19.2	106.7	127.2	4	98.2	98	C
573		09/22/22	U18954		CH	17.9	108.7	19.7	111.6	133.6	4	102.7	98	C
574		09/22/22	U18954		CH	17.9	108.7	18.4	110.7	131.1	4	101.8	98	C
575		09/22/22	U18954		CH	17.9	108.7	19.6	111.7	133.6	4	102.8	98	C
576		09/22/22	U18954		CH	17.9	108.7	19.9	107.4	128.8	4	98.8	98	C
577		09/22/22	U18954		CH	17.9	108.7	18.6	112.5	133.4	4	103.5	98	C
578		09/22/22	U18954		CH	17.9	108.7	19.7	110.4	132.1	4	101.6	98	C
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
571	Water Services: King Bend, Block 45 Lot 1							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
572	Water Services: King Bend, Block 45 Lot 3							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
573	Water Services: King Bend, Block 45 Lot 5							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
574	Water Services: King Bend, Block 45 Lot 7							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
575	Water Services: King Bend, Block 45 Lot 9							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
576	Water Services: King Bend, Block 45 Lot 11							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
577	Water Services: King Bend, Block 45 Lot 13							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
578	Water Services: Woodland Hollow, Block 45 Lot 30							2nd Lift	Troxler / 3430 / 30784 / 06/02/2022			Cazares, Benny		
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 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. (%)	Remark
579		09/22/22	U18954		CH	17.9	108.7	18.7	111.1	131.9	4	102.2	98	C
580		09/22/22	U18954		CH	17.9	108.7	19.3	107.7	128.5	4	99.1	98	C
581		09/22/22	U18954		CH	17.9	108.7	19.3	112.0	133.6	4	103.0	98	C
582		09/22/22	U18954		CH	17.9	108.7	19.6	113.7	136.0	4	104.6	98	C
583		09/22/22	U18954		CH	17.9	108.7	19.3	110.8	132.2	4	101.9	98	C
584		09/22/22	U18954		CH	17.9	108.7	18.6	108.4	128.6	4	99.7	98	C
585		09/22/22	U18954		CH	17.9	108.7	19.0	113.4	134.9	4	104.3	98	C
586		09/22/22	U18954		CH	17.9	108.7	19.6	112.9	135.0	4	103.9	98	C
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated		Field Technician		
579	Water Services: Woodland Hollow, Block 45 Lot 28							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
580	Water Services: Woodland Hollow, Block 45 Lot 26							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
581	Water Services: Woodland Hollow, Block 45 Lot 24							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
582	Water Services: Woodland Hollow, Block 45 Lot 22							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
583	Water Services: Woodland Hollow, Block 45 Lot 20							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
584	Water Services: Woodland Hollow, Block 45 Lot 18							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
585	Water Services: Woodland Hollow, Block 45 Lot 16							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
586	Water Services: Woodland Valley, Block 46 Lot 34							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
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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587		09/22/22	U18954		CH	17.9	108.7	19.2	110.7	132.0	4	101.8	98	C
588		09/22/22	U18954		CH	17.9	108.7	19.6	111.4	133.2	4	102.5	98	C
589		09/22/22	U18954		CH	17.9	108.7	18.6	109.9	130.3	4	101.1	98	C
590		09/22/22	U18954		CH	17.9	108.7	19.4	107.9	128.8	4	99.3	98	C
591		09/22/22	U18954		CH	17.9	108.7	19.7	111.4	133.3	4	102.5	98	C
592		09/22/22	U18954		CH	17.9	108.7	18.9	110.4	131.3	4	101.6	98	C
593		09/22/22	U18954		CH	17.9	108.7	17.8	113.9	134.2	4	104.8	98	C
594		09/22/22	U18954		CH	17.9	108.7	19.6	110.7	132.4	4	101.8	98	C
Test Information														
Test #	Test Location						Elevation	Reference		Gauge Make / Model / SN / Calibrated		Field Technician		
587	Water Services: Woodland Valley, Block 46 Lot 32							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
588	Water Services: Woodland Valley, Block 46 Lot 30							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
589	Water Services: Woodland Valley, Block 46 Lot 28							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
590	Water Services: Woodland Valley, Block 46 Lot 26							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
591	Water Services: Woodland Valley, Block 46 Lot 24							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
592	Water Services: Woodland Valley, Block 46 Lot 22							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
593	Water Services: Woodland Valley, Block 46 Lot 20							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
594	Water Services: Woodland Valley, Block 46 Lot 18							2nd Lift		Troxler / 3430 / 30784 / 06/02/2022		Cazares, Benny		
Remarks				Comments										
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