



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
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.										

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
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.										

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
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.										

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
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.										

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
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.										

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
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.										

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.