

# COMAL COUNTY

ENGINEER'S OFFICE

## License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: 12/12/2019 Permit Number: 108893

Location Description: 321 CANYON SPRINGS DR  
CANYON LAKE, TX 78133  
Subdivision: Canyon Springs Resort  
Unit: 3A  
Lot: 63  
Block: 61  
Acreage:

Type of System: Aerobic  
Drip Irrigation

Issued to: Chad & Erica Rutten

This license is authorization for the owner to operate and maintain a private facility at the location described in accordance to the rules and regulations for on-site sewerage facilities of Comal County, Texas, and the Texas Commission on Environmental Quality.

The license grants permission to operate the facility. It does not guarantee successful operation. It is the responsibility of the owner to maintain and operate the facility in a satisfactory manner.

Alterations to this permit including, but not limited to:

- Increase in the square feet of living area
- Increase in the number of bedrooms
- A change of use (i.e. residential to commercial)
- Relocation of system components (including the relocation of spray heads)
- Installation of landscaping
- Adding new structures to the system

may require a new permit. **It is the responsibility of the owner to apply for a new permit, if applicable.**

Inspection and licensing of a facility indicates only that the facility meets certain minimum requirements. It does not impede any governmental entity in taking the proper steps to prevent or control pollution, to abate nuisance, or to protect the public health.

This license to operate is valid for an indefinite period. The holder may transfer it to a succeeding owner, provided the facility has not been remodeled and is functioning properly.

Licensing Authority  
Comal County Environmental Health

*Michael Tapp* OS8497  
ENVIRONMENTAL HEALTH INSPECTOR

*Sandra Ann Hernandez, Asst.*  
ENVIRONMENTAL HEALTH COORDINATOR

OS 0025599

# Comal County Environmental Health OSSF Inspection Sheet

Installer Name: Dennis Vachal      OSSF Installer #: 050031132  
 1st Inspection Date: 9-16-19      2nd Inspection Date: 9/26/19      3rd Inspection Date: 11/2/19  
 Inspector Name: Connor      Inspector Name: Mike T.      Inspector Name: Mike T.  
 Permit #: 108893      Address: 321 Canyon Springs Dr. / Canyon Springs Resort

Item	Answer	Criteria	Work		
			9/26/19	11/2/19	12/12/19
1	/	285.21(a) 285.20(a)(1)(A)(iv) 285.20(a)(1)(A)(v) 285.20(a)(1)(A)(vi) 285.20(b)(1)(A)(i) 285.20(b)(1)(A)(ii)	not covered on sod - 9/26/19		
2	/	285.31(10) 285.30(b)(4) 285.31(d)	/		
3	/	285.32(a)(1)	/		
4	/	285.32(a)(3)	/		
5	/	285.32(a)(5)	/		
6	/	285.32(b)(1)(G) 285.32(b)(1)(H) 285.32(b)(1)(I) 285.32(b)(1)(J) 285.32(b)(1)(K) 285.32(b)(1)(L) 285.32(b)(1)(M) 285.32(b)(1)(N) 285.32(b)(1)(O) 285.32(b)(1)(P) 285.32(b)(1)(Q) 285.32(b)(1)(R) 285.32(b)(1)(S)			
7		285.34(d)			

tank set level no leaks operational cover all  
 MT- 9/26/19      MT- 12/12/19  
 not covered on sod on field yet.      covered & sod

**Comal County Environmental Health  
OSSF Inspection Sheet**

	Inspection	Assessor	Chapters	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If Single Tank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(III) 285.32(b)(1)(E)(II)(H) 285.32(b)(1)(E)(II)(I) 285.32(b)(1)(E)(i) 285.32(b)(1)(D) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(i) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(iv)				
9	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used	/	285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)		/		12/12/19
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
11	SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed						
13	PUMP TANK Volume Installed						
14	AEROBIC TREATMENT UNIT Size Installed	/			/		12/21/19
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	/		Inventor B-550	/		
16	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
17	DISPOSAL SYSTEM Leaching Chamber		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
18	DISPOSAL SYSTEM Evapo-transpirative		285.33(a)(3) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2)				

**Comal County Environmental Health  
OSSF Inspection Sheet**

	Description	Assessor	Classifications	Notes	1st Insp.	2nd Insp.	Pass
19	DISPOSAL SYSTEM Infiltration	/	285.33(d)(4)(F)		/		
20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)				
21	DISPOSAL SYSTEM Pumped Effluent		285.33(a)(3) 285.33(a)(1) 285.33(a)(2)				
22	DISPOSAL SYSTEM Gravelless Pipe		285.33(a)(3) 285.33(a)(2) 285.33(a)(4) 285.33(a)(1)				
23	DISPOSAL SYSTEM Mound		285.33(a)(3) 285.33(a)(1) 285.33(a)(2) 285.33(a)(4)				
24	DISPOSAL SYSTEM Other (describe) (Approved Design)		285.33(d)(6) 285.33(c)(4)				
25	DRAINFIELD Absorptive Drains 3" PVC or 4" PVC						
26	DRAINFIELD Area Installed						
27	DRAINFIELD Level to within 1 inch per 25 feet and within 3 inches over entire excavation		285.33(b)(1)(A)(v)				
28	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth DRAINFIELD Excavation Separation DRAINFIELD Depth of Porous Media DRAINFIELD Type of Porous Media						
29	DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place		285.33(b)(1)(E)				
30	DRAINFIELD Leaching Chambers DRAINFIELD Chambers - Open End Plates w/Splash Plate, Inspection Port & Closed End Plates in Place (per manufacturers spec.)		285.33(c)(2)				
31	LOW PRESSURE DISPOSAL SYSTEM Adequate Trench Length & Width, and Adequate Separation Distance between Trenches		285.33(d)(1)(C)(i)				



**Comal County Environmental Health  
OSSF Inspection Sheet**

	Assessor	Checklist	Notes	1st Insp.	2nd Insp.	3rd Insp.
32		<p>EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling</p> <p>EFFLUENT DISPOSAL SYSTEM Topographic Slopes &lt; 2.0%</p> <p>EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field ( 1000 Linear ft. for 2 bedrooms or Less &amp; an additional 400 ft. for each additional bedroom )</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 inches to 3 ft. &amp; Vertical Separation of 1ft on bottom and 2 ft. to restrictive horizon and ground water respectfully</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) &amp; Pipe Holes ( 3/16 - 1/4" dia. Hole Size ) 5 ft. Apart</p>				
33	✓	285.33(c)(1)		✓		12/12/19
34	✓			✓		
35	✓			✓		
36						
37						
38						
39	✓			✓		

**Comal County Environmental Health  
OSSF Inspection Sheet**

	Description	Answer	Classifications	Notes	1st Insp.	2nd Insp.	Date
40	APPLICATION AREA Distribution System Valve Covers Color Colored Purple?	/	285.33(d)(2)(G)(iii)(H) 285.33(d)(2)(G)(iii)(P) 285.33(d)(2)(G)(v) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(v) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(H)				12/12/19
41	APPLICATION AREA Low Angle Mowder Used / Pressure Is as Required APPLICATION AREA Acceptable Area, nothing within 10 ft of sensitive lands? APPLICATION AREA The Landscape Plan is as Designed	/	285.33(d)(2)(G)(i) 285.33(d)(2)(A) 285.38(d)(2)(F)				
42	APPLICATION AREA Area Installed	/		<i>per plan</i>	/		
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

## Comal County Environmental Health OSSF Inspection Sheet

Installer Name: Dennis Vachol      OSSF Installer #: 050031132  
 1st Inspection Date: 9-16-19      2nd Inspection Date: 9/26/19      3rd Inspection Date: \_\_\_\_\_  
 Inspector Name: Connor      Inspector Name: Mike T.      Inspector Name: \_\_\_\_\_  
 Permit#: 108893      Address: 321 Canyon Springs Dr. / Canyon Springs Resort

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
1	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials	✓	285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i)	not covered on sod - 9/26/19	✓	9/26/19	
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	✓	285.91(10) 285.30(b)(4) 285.31(d)		✓		
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	✓	285.32(a)(1)		✓		
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	✓	285.32(a)(3)		✓		
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	✓	285.32(a)(5)		✓		
6	PRETREATMENT Installed (if required) TCEQ Approved List PRETREATMENT Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(G) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(iv) 285.32(b)(1)(F) 285.32(b)(1)(B) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(A) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(i) 285.32(b)(1)(E)(ii)(I)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

tank set level no leaks operational cover all

MT-9/26/19  
 not covered  
 or sod on field  
 yet.



**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If Single Tank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(I) 285.32(b)(1)(E)(I) 285.32(b)(1)(D) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(i) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(iv)				
9	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used	/	285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)		/		
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
11	SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed						
13	PUMP TANK Volume Installed						
14	AEROBIC TREATMENT UNIT Size Installed	/			/		
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	/		<i>Truwater B-550</i>	/		
16	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
17	DISPOSAL SYSTEM Leaching Chamber		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
18	DISPOSAL SYSTEM Evapo-transpirative		285.33(a)(3) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2)				



**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
19	DISPOSAL SYSTEM Drip Irrigation	/	285.33(c)(3)(A)-(F)		/		
20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)				
21	DISPOSAL SYSTEM Pumped Effluent		285.33(a)(3) 285.33(a)(1) 285.33(a)(2)				
22	DISPOSAL SYSTEM Gravelless Pipe		285.33(a)(3) 285.33(a)(2) 285.33(a)(4) 285.33(a)(1)				
23	DISPOSAL SYSTEM Mound		285.33(a)(3) 285.33(a)(1) 285.33(a)(2) 285.33(a)(4)				
24	DISPOSAL SYSTEM Other (describe) (Approved Design)		285.33(d)(6) 285.33(c)(4)				
25	DRAINFIELD Absorptive Drainline 3" PVC or 4" PVC						
26	DRAINFIELD Area Installed						
27	DRAINFIELD Level to within 1 inch per 25 feet and within 3 inches over entire excavation		285.33(b)(1)(A)(v)				
28	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth DRAINFIELD Excavation Separation DRAINFIELD Depth of Porous Media DRAINFIELD Type of Porous Media						
29	DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place		285.33(b)(1)(E)				
30	DRAINFIELD Leaching Chambers DRAINFIELD Chambers - Open End Plates w/Splash Plate, Inspection Port & Closed End Plates in Place (per manufacturers spec.)		285.33(c)(2)				
31	LOW PRESSURE DISPOSAL SYSTEM Adequate Trench Length & Width, and Adequate Separation Distance between Trenches		285.33(d)(1)(C)(i)				

**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
32	<p>EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling</p> <p>EFFLUENT DISPOSAL SYSTEM Topographic Slopes &lt; 2.0%</p> <p>EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field ( 1000 Linear ft. for 2 bedrooms or Less &amp; an additional 400 ft. for each additional bedroom )</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 inches to 3 ft. &amp; Vertical Separation of 1ft on bottom and 2 ft. to restrictive horizon and ground water respectfully</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) &amp; Pipe Holes ( 3/16 - 1/4" dia. Hole Size ) 5 ft. Apart</p>		<p>285.33(b)(3)(A)</p> <p>285.33(b)(3)(A)</p> <p>285.33(b)(3)(B)</p> <p>285.91(13)</p> <p>285.33(b)(3)(D)</p> <p>285.33(b)(3)(F)</p>				
33	<p>AEROBIC TREATMENT UNIT is Aerobic Unit Installed According to Approved Guidelines.</p>	/	285.32(c)(1)		/		
34	<p>AEROBIC TREATMENT UNIT Inspection/Clean Out Port &amp; Risers Provided</p> <p>AEROBIC TREATMENT UNIT Secondary restraint system provided</p> <p>AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank</p> <p>AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions</p>	/			/		
35	<p>AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.</p>	/			/		
36	<p>PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials &amp; construction</p> <p>PUMP TANK Sampling Port Provided in the Treated Effluent Line</p> <p>PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required</p> <p>PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump</p>						
37	<p>PUMP TANK Inspection/Clean Out Port &amp; Risers Provided</p> <p>PUMP TANK Secondary restraint system provided</p> <p>PUMP TANK Riser permanently fastened to lid or cast into tank</p> <p>PUMP TANK Riser cap protected against unauthorized intrusions</p>						
38	<p>PUMP TANK Secondary restraint system provided</p>						
39	<p>PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried</p>	/			/		

**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?		285.33(d)(2)(G)(iii)(II)285.33(d)(2)(G)(iii)(III)285.33(d)(2)(G)(v) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(I)				
41	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed		285.33(d)(2)(G)(i) 285.33(d)(2)(A) 285.33(d)(2)(F)				
42	APPLICATION AREA Area Installed	✓		<i>per plan</i>	✓		
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						



## Comal County Environmental Health OSSF Inspection Sheet

Installer Name: Dennis Vachol OSSF Installer #: 050031132

1st Inspection Date: 9-16-19 2nd Inspection Date: \_\_\_\_\_ 3rd Inspection Date: \_\_\_\_\_

Inspector Name: Conner Inspector Name: \_\_\_\_\_ Inspector Name: \_\_\_\_\_

Permit#: 108893 Address: 321 Canyon Springs Dr. / Canyon Springs Resort

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
1	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials	✓	285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i)		✓		
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	✓	285.91(10) 285.30(b)(4) 285.31(d)		✓		
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	✓	285.32(a)(1)		✓		
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	✓	285.32(a)(3)		✓		
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	✓	285.32(a)(5)		✓		
6	PRETREATMENT Installed (if required) TCEQ Approved List PRETREATMENT Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(G)285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(iv) 285.32(b)(1)(F) 285.32(b)(1)(B) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(A) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(i) 285.32(b)(1)(E)(ii)(I)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

tank set level no leaks operational cover all



**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If Single Tank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(I) 285.32(b)(1)(E)(i) 285.32(b)(1)(D) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(i) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(iv)				
9	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used	/	285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)		/		
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
11	SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed						
13	PUMP TANK Volume Installed						
14	AEROBIC TREATMENT UNIT Size Installed	/			/		
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	/		<i>Inuvata B-550</i>	/		
16	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
17	DISPOSAL SYSTEM Leaching Chamber		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
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20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)				
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24	DISPOSAL SYSTEM Other (describe) (Approved Design)		285.33(d)(6) 285.33(c)(4)				
25	DRAINFIELD Absorptive Drainline 3" PVC or 4" PVC						
26	DRAINFIELD Area Installed						
27	DRAINFIELD Level to within 1 inch per 25 feet and within 3 inches over entire excavation		285.33(b)(1)(A)(v)				
28	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth DRAINFIELD Excavation Separation DRAINFIELD Depth of Porous Media DRAINFIELD Type of Porous Media						
29	DRAINFIELD Pipe and Gravel - Geotextile Fabric in Place		285.33(b)(1)(E)				
30	DRAINFIELD Leaching Chambers DRAINFIELD Chambers - Open End Plates w/Splash Plate, Inspection Port & Closed End Plates in Place (per manufacturers spec.)		285.33(c)(2)				
31	LOW PRESSURE DISPOSAL SYSTEM Adequate Trench Length & Width, and Adequate Separation Distance between Trenches		285.33(d)(1)(C)(i)				



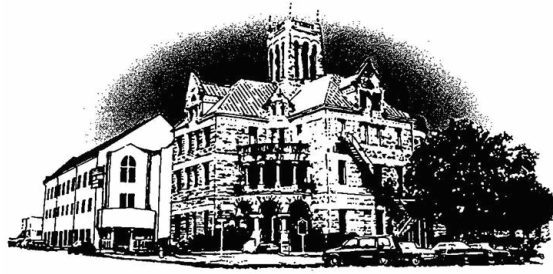
**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
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33	AEROBIC TREATMENT UNIT Is Aerobic Unit Installed According to Approved Guidelines.	✓	285.32(c)(1)		✓		
34	AEROBIC TREATMENT UNIT Inspection/Clean Out Port & Risers Provided AEROBIC TREATMENT UNIT Secondary restraint system provided AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions	✓ ✓ ✓ ✓			✓ ✓ ✓ ✓		
35	AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.	✓			✓		
36	PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & construction PUMP TANK Sampling Port Provided in the Treated Effluent Line PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump						
37	PUMP TANK Inspection/Clean Out Port & Risers Provided PUMP TANK Secondary restraint system provided PUMP TANK Riser permanently fastened to lid or cast into tank PUMP TANK Riser cap protected against unauthorized intrusions						
38	PUMP TANK Secondary restraint system provided						
39	PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried	✓			✓		

**Comal County Environmental Health  
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?		285.33(d)(2)(G)(iii)(II)285.33(d)(2)(G)(iii)(III)285.33(d)(2)(G)(v) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(I)				
41	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed		285.33(d)(2)(G)(i) 285.33(d)(2)(A) 285.33(d)(2)(F)				
42	APPLICATION AREA Area Installed	✓		<i>per plan</i>	✓		
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						





# Comal County

OFFICE OF COMAL COUNTY ENGINEER

## **Permit of Authorization to Construct an On-Site Sewage Facility Permit Valid For One Year From Date Issued**

Permit Number: 108893  
Issued This Date: 03/29/2019  
This permit is hereby given to: Chad & Erica Rutten

To start construction of a private, on-site sewage facility located at:

321 CANYON SPRINGS DR  
CANYON LAKE, TX 78133

Subdivision: Canyon Springs Resort  
Unit: 3A  
Lot: 63  
Block: 61  
Acreage:

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic  
Drip Irrigation

This permit gives permission for the construction of the above referenced on-site facility to commence. Installation must be completed by an installer holding a valid registration card from the Texas Commission on Environmental Quality (TCEQ). Installation and inspection must comply with current TCEQ and Comal County requirements.

Call (830) 608-2090 to schedule inspections.

OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded

items Date Received	initials

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Permit Number MAR 20 2019

COUNTY ENGINEER

Instructions:

Place a check mark next to all items that apply. For items that do not apply, place "N/A". This OSSF Development Application Checklist must accompany the completed application.

OSSF Permit

- Completed Application for Permit for Authorization to Construct an On-Site Sewage Facility and License to Operate
- Site/Soil Evaluation Completed by a Certified Site Evaluator or a Professional Engineer
- Planning Materials of the OSSF as Required by the TCEQ Rules for OSSF Chapter 285. Planning Materials shall consist of a scaled design and all system specifications.
- Required Permit Fee
- Copy of Recorded Deed
- Surface Application/Aerobic Treatment System
  - Recorded Certification of OSSF Requiring Maintenance/Affidavit to the Public
  - Signed Maintenance Contract with Effective Date as Issuance of License to Operate

I affirm that I have provided all information required for my OSSF Development Application and that this application constitutes a completed OSSF Development Application.

Signature of Applicant

03/20/19

Date

___ COMPLETE APPLICATION	
Check No. _____	Receipt No. _____

___ INCOMPLETE APPLICATION
(Missing Items Circled, Application Refused)

\*\*\* COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH \*\*\*

APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

Date March 6, 2019

Permit # 108893

Owner Name CHAD & ERICA RUTTEN  
Mailing Address PO BOX 1554  
City, State, Zip CANYON LAKE TEXAS 78133  
Phone# 830-302-8539  
Email chad@havenbrooktx.com

Agent Name GREG W. JOHNSON, P.E.  
Agent Address 170 HOLLOW OAK  
City, State, Zip NEW BRAUNFELS, TX 78132  
Phone # (830) 905-2778  
Email gregjohnsonpe@yahoo.com

All correspondence should be sent to:  Owner  Agent  Both

Method:  Mail  Email

Subdivision Name CANYON SPRINGS RESORT Unit/Phase/Section 3A Lot 63 Block 61

Acreage/Legal \_\_\_\_\_

Street Name/Address 321 CANYON SPRINGS DRIVE City CANYON LAKE Zip 78133

Type of Development:

Single Family Residential

Type of Construction (House, Mobile, RV, Etc.) HOUSE

Number of Bedrooms 3

Indicate Sq Ft of Living Area 1314

Commercial or Institutional Facility

(Planning materials must show adequate land area for doubling the required land needed for treatment units and disposal area)

Type of Facility \_\_\_\_\_

Offices, Factories, Churches, Schools, Parks, Etc. - Indicate Number Of Occupants \_\_\_\_\_

Restaurants, Lounges, Theaters - Indicate Number of Seats \_\_\_\_\_

Hotel, Motel, Hospital, Nursing Home - Indicate Number of Beds \_\_\_\_\_

Travel Trailer/RV Parks - Indicate Number of Spaces \_\_\_\_\_

Miscellaneous \_\_\_\_\_

Estimated Cost of Construction: \$ 185,000 (Structure Only)

Is any portion of the proposed OSSF located in the United States Army Corps of Engineers (USACE) flowage easement?

Yes  No (if yes, owner must provide approval from USACE for proposed OSSF improvements within the USACE flowage easement)

Source of Water  Public  Private Well

Are Water Saving Devices Being Utilized Within the Residence?  Yes  No

By signing this application, I certify that:

- the completed application and all additional information submitted does not contain any false information and does not conceal any material facts.
- Authorization is hereby given to the permitting authority and designated agents to enter upon the above described property for the purpose of site/soil evaluation and inspection of private sewage facilities.
- I also understand that a permit of authorization to construct will not be issued until the Floodplain Administrator has performed the reviews required by the Comal County Flood Damage Prevention Order.
- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable.

[Signature]  
Signature of Owner

03/15/19  
Date

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\*\*\* COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH \*\*\*

APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

Planning Materials & Site Evaluation as Required Completed By GREG W. JOHNSON, P.E.

System Description PROPRIETARY; AEROBIC TREATMENT AND DRIP TUBING

Size of Septic System Required Based on Planning Materials & Soil Evaluation

Tank Size(s) (Gallons) NUWATER B-550-PC Absorption/Application Area (Sq Ft) 2000

Gallons Per Day (As Per TCEQ Table III) 240

(Sites generating more than 5000 gallons per day are required to obtain a permit through TCEQ)

Is the property located over the Edwards Recharge Zone?  Yes  No

(If yes, the planning materials must be completed by a Registered Sanitarian (R.S.) or Professional Engineer (P.E.))

Is there an existing TCEQ approved WPAP for the property?  Yes  No

(if yes, the R. S. or P. E. shall certify that the OSSF design complies with all provisions of the existing WPAP.)

If there is no existing WPAP, does the proposed development activity require a TCEQ approved WPAP?  Yes  No

(If yes, the R.S. or P. E. shall certify that the OSSF design will comply with all provisions of the proposed WPAP. A Permit to Construct will not be issued for the proposed OSSF until the proposed WPAP has been approved by the appropriate regional office.)

Is the property located over the Edwards Contributing Zone?  Yes  No

Is there an existing TCEQ approval CZP for the property?  Yes  No

(if yes, the P.E. or R.S. shall certify that the OSSF design complies with all provisions of the existing CZP)

If there is no existing CZP, does the proposed development activity require a TCEQ approved CZP?  Yes  No

(if yes, the P.E. or R.S. shall certify that the OSSF design will comply with all provisions of the proposed CZP. A Permit to construct will not be issued for the proposed OSSF until the CZP has been approved by the appropriate regional office.)

Is this property within an incorporated city?  Yes  No

If yes, indicate the city: \_\_\_\_\_



FIRM #2585

By signing this application, I certify that:

- The information provided above is true and correct to the best of my knowledge.
- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable

[Signature]  
Signature of Designer

March 8, 2019  
Date



AFFIDAVIT



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THE COUNTY OF COMAL  
STATE OF TEXAS

Yes

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

According to Texas Commission on Environmental Quality Rules for On-Site Sewage Facilities (OSSF's), this document is filed in the Deed Records of Comal County, Texas.

I

The Texas Health and Safety Code, Chapter 366 authorizes the Texas Commission on Environmental Quality (TCEQ) to regulate on-site sewage facilities (OSSFs). Additionally, the Texas Water Code (TWC), § 5.012 and § 5.013, gives the commission primary responsibility for implementing the laws of the State of Texas relating to water and adopting rules necessary to carry out its powers and duties under the TWC. The commission, under the authority of the TWC and the Texas Health and Safety code, requires owner's to provide notice to the public that certain types of OSSFs are located on specific pieces of property. To achieve this notice, the commission requires a recorded affidavit. Additionally, the owner must provide proof of the recording to the OSSF permitting authority. This recorded affidavit is not a representation or warranty by the commission of the suitability of this OSSF, nor does it constitute any guarantee by the commission that the appropriate OSSF was installed.

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II

An OSSF requiring a maintenance contract, according to 30 Texas Administrative Code §285.91(12) will be installed on the property described as (insert legal description):

COUNTY ENGINEER

3A UNIT/PHASE/SECTION 61 BLOCK 63 LOT CANYON SPRINGS RESORT SUBDIVISION

IF NOT IN SUBDIVISION: \_\_\_\_\_ ACREAGE \_\_\_\_\_ SURVEY \_\_\_\_\_

The property is owned by (insert owner's full name): CHAD RUTTEN & ERICA RUTTEN

This OSSF must be covered by a continuous maintenance contract for the first two years. After the initial two-year service policy, the owner of an aerobic treatment system for a single family residence shall either obtain a maintenance contract within 30 days or maintain the system personally.

Upon sale or transfer of the above-described property, the permit for the OSSF shall be transferred to the buyer or new owner. A copy of the planning materials for the OSSF can be obtained from the Comal County Engineer's Office.

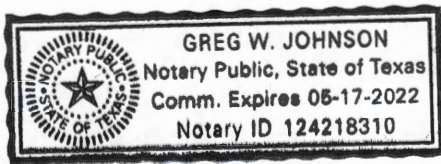
WITNESS BY HAND(S) ON THIS 15 DAY OF March, 2019

[Signature]  
Owner(s) signature(s)

CHAD RUTTEN  
Owner (s) Printed name (s)

CHAD RUTTEN SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 15 DAY OF March, 2019

[Signature]  
Notary Public Signature



(Notary Seal Here)

THIS AREA FOR COMAL COUNTY CLERK RECORDING PURPOSES ONLY

Filed and Recorded  
Official Public Records  
Bobbie Koepf, County Clerk  
Comal County, Texas  
03/20/2019 01:12:33 PM  
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201906009325



Bobbie Koepf

WASTEWATER TREATMENT FACILITY MONITORING AGREEMENT

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Regulatory Authority COMAL  
Block Creek Aerobic Services, LLC  
444 A Old Hwy #9  
Comfort, TX 78013  
Off. (830) 995-3189  
Fax. (830) 995-4051

Permit/License Number \_\_\_\_\_  
Customer CHAD RUTTEN & ERICA RUTTEN  
Site Address 321 CANYON SPRINGS DRIVE  
City CANYON LAKE, TX 78133  
Mailing Address P.O. BOX 1554, CANYON LAKE, TX 78133  
County COMAL Map # 355 E5  
Phone 830-302-8539  
Email chad@havenbooktx.com

COUNTY ENGINEER

2 YEAR CONTRACT  
2 YEAR WARRANTY ON PARTS AND LABOR

Subd/Legal: CANYON SPRINGS RESORT, UNIT 3A,  
BLOCK 61, LOT 63

**I. General:** This Work for Hire Agreement (hereinafter referred to as "Agreement") is entered into by and between CHAD RUTTEN & ERICA RUTTEN (hereinafter referred to as "Customer") and Block Creek Aerobic Services, LLC. By this agreement, Block Creek Aerobic Services, LLC and its employees (hereinafter inclusively referred to as "Contractor") agree to render services at the site address stated above, as described herein, and the Customer agrees to fulfill his/her/their responsibilities, as described herein.

**II. Effective Date:**

This Agreement commences on LTO and ends on \_\_\_\_\_ for a total of two (2) years (initial agreement) or one (1) year (thereafter). If this is an initial agreement (new installation), the Customer shall notify the Contractor within two (2) business days of the system's first use to establish the date of commencement. If no notification is received by Contractor within ninety (90) days after completion of installation or where county authority mandates, the date of commencement will be the date the "License to operate" (Notice of Approval) was issued by the permitting authority. This agreement may or may not commence at the same time as any warranty period of installed equipment, but in no case shall it extend the specified warranty.

**III. Termination of Agreement:**

This Agreement may be terminated by either party for any reason, including for example, substantial failure of either party to perform in accordance with the terms of this Agreement, without fault or liability of the terminating party. The terminating party must provide written notice to the non-terminating party thirty (30) days prior to the termination of this Agreement. If this Agreement is terminated, Contractor will be paid at the rate of \$75.00 per hour for any work performed and for which compensation has not been received. After the deduction of all outstanding charges, any remaining monies from prepayment for services will be refunded to customer within thirty (30) days of termination of this Agreement. Either party terminating this Agreement for any reason, including non-renewal, shall notify in writing the equipment manufacturer and the appropriate regulatory agency a minimum of thirty (30) days prior to the date of such termination. Nonpayment of any kind shall be considered breach of contract and a termination of contract.

**IV. Services:**

Contractor will:

- a. Inspect and perform routine upkeep on the On-Site Sewage Facility (hereinafter referred to as OSSF) as recommended by the treatment system manufacturer, and required by state and/or local regulation, for a total of three visits to site per year. The list of items checked at each visit shall be the: control panel, Electrical circuits, timer, Aeration including compressor and diffusers, CFM/PSI measured, gas safety pans, pump, compressor, sludge levels, and anything else required as per the manufacturer.
- b. Provide a written record of visits to the site by means of an inspection tag attached to or contained in the control panel.
- c. Repair or replace, if Contractor has the necessary materials at site, any component of the OSSF found to be failing or inoperative during the course of a routine monitoring visit. If such services are not covered by warranty, and the service(s) cost less than \$100.00, Customer hereby authorizes Contractor to perform the service(s) and bill Customer for said service(s). When service costs are greater than \$100.00, or if contractor does not have the necessary supplies at the site, Contractor will notify Customer of the required service(s) and the associated cost(s). Customer must notify Contractor of arrangements to affect repair of system within two (2) business days after said notification.
- d. Provide sample collection and laboratory testing of TSS and BOD on a yearly basis (commercial systems only).
- e. Forward copies of this Agreement and all reports to the regulatory agency and the Customer.
- f. Visit site in response to Customer's request for unscheduled services within forty-eight (48) hours of the date of notification (weekends and holidays excluded) of said request. Unless otherwise covered by warranty, costs for such unscheduled responses will be billed to Customer.

CR

Customer's Initials



BS

Contractor's Initials



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**V. Disinfection:**

✓ Not required; required. The responsibility to maintain the disinfection device(s) and provide any necessary chemicals is that of the Customer.

**VI. Electronic Monitoring:**

Electronic Monitoring is not included in this Agreement.

**VII. Performance of Agreement:**

Commencement of performance by Contractor under this Agreement is contingent on the following conditions:

a. If this is an initial Agreement (new installation):

I. Contractor's receipt of a fully executed original copy or facsimile of this agreement and all documentation requested by Contractor.

If the above conditions are not met, Contractor is not obligated to perform any portion of this Agreement.

**VIII. Customer's Responsibilities:**

The customer is responsible for each and all of the following:

a. Provide all necessary yard or lawn maintenance and removal of all obstacles, including but not limited to dogs and other animals, vehicles, trees, brush, trash, or debris, as needed to allow the OSSF to function properly, and to allow Contractor safe and easy access to all parts of the OSSF.

b. Protect equipment from physical damage including but not limited to that damage caused by insects.

c. Maintain a current license to operate, and abide by the conditions and limitations of that license, and all requirements for and OSSF from the State and/or local regulatory agency, whichever requirements are more stringent, as well as the proprietary system's manufacturer recommendations.

d. Notify Contactor immediately of any and all alarms, and/or any and all problems with, including failure of, the OSSF.

e. Provide, upon request by Contractor, water usage records for the OSSF so that the Contractor can perform a proper evaluation of the performance of the OSSF.

f. Allow for samples at both the inlet and outlet of the OSSF to be obtained by Contractor for the purpose of evaluating the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section IV (d) above, Customer agrees to pay Contractor for the sample collection and transportation, portal to portal, at a rate of \$35.00 per hour, plus the associated fees for laboratory testing.

g. Prevent the backwash or flushing of water treatment or conditioning equipment from entering the OSSF.

h. Prevent the condensation from air conditioning or refrigeration units, or the drains of icemakers, from hydraulically overloading the aerobic treatment units. Drain lines may discharge into the surface application pump tank if approved by system designer.

i. Provide for pumping and cleaning of tanks and treatment units, when and as recommended by Contactor, at Customer's expense.

j. Maintain site drainage to prevent adverse effects on the OSSF.

k. Pay promptly and fully, all Contractor's fees, bills, or invoices as described herein.

**IX. Access by Contractor:**

Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the Services and/or repairs described herein. Contractor shall have access to the OSSF electrical and physical components. Tanks and treatment units shall be accessible by means of man ways, or risers and removable covers, for the purpose of evaluation as required by State and/or local rules and the proprietary system manufacturer. It is Customers responsibility to keep lids exposed and accessible at all times.

**X. Limit of Liability:**

Contractor shall not be held liable for any incidental, consequential, or special damages, or for economic loss due to expense, or for loss of profits or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable in an amount exceeding the total Fee for Services amount paid by Customer under this Agreement.

**XI. Indemnification:**

Customer (whether one or more) shall and does hereby agree to indemnify, hold harmless and defend Contractor and each of its successors, assigns, heirs, legal representatives, devisees, employees, agents and/or counsel (collectively "Indemnitees") from and against any and all liabilities, claims, damages, losses, liens, causes of action, suits, fines, judgments and other expenses (including, but not limited to, attorneys' fees and expenses and costs of investigation), of any kind, nature or description, (hereinafter collectively referred to as "Liabilities") arising out of, caused by, or resulting, in whole or in part, from this Agreement.

Customer's Initials



BS

Contractor's Initials

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GONZALEZ  
PROPERTY ENGINEER

**THIS INDEMNIFICATION APPLIES EVEN IF SUCH LIABILITIES ARE CAUSED BY THE CONCURRENT OR CONTRIBUTORY NEGLIGENCE OR BY THE STRICT LIABILITY OF ANY INDEMNITEE.**

Customer hereby waives its right of recourse as to any Indemnatee when Indemnification applies, and Customer shall require its insurer(s) to waive its/their right of subrogation to the extent such action is required to render such waiver of subrogation effective. Customer shall be subrogated to Indemnitees with respect to all rights Indemnitees may have against third parties with respect to matters as to which Customer provides indemnity and/or defense to Indemnitees. No Indemnification is provided to Indemnitees when the liability or loss results from (1) the sole responsibility of such Indemnatee; or, (2) the willful misconduct of such Indemnatee. Upon irrevocable acceptance of this Indemnification obligation, Customer, in its sole discretion, shall select and pay counsel to defend Indemnitees of and from any action that is subject to this Indemnification provision. Indemnitees hereby covenant not to compromise or settle any claim or cause of action for which Customer has provided Indemnification without the consent of Customer.

**XII. Severability:**

If any provision of the "Proposal and Contract" shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of the "Agreement" is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.

**XIII. Fee for Services:**

The Fee for Services does not include any fees for equipment, material, labor necessary for non-warranty repairs, unscheduled inspections, or Customer requested visits to the site.

**XIV. Payment:**

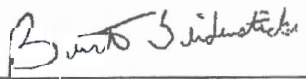
Full payment is due upon execution of this Agreement (Required of new Customer). For any other service(s) or repair(s) provided by Contractor the Customer shall pay the invoice(s) for said service(s) or repair(s) within thirty (30) days of the invoice date. The Contractor shall mail all invoices on the date of invoice. All payments not received within thirty (30) days from the invoice date will be subject to a \$29.00 late penalty and a 1.5% per month carrying charge, as well as any reasonable attorney's fees, and all collection and court costs incurred by Contractor in collection of unpaid debt(s). Contractor may terminate contract at any time for nonpayment for services. Any check returned to Contractor for any reason will be assessed a \$30.00 return check fee.

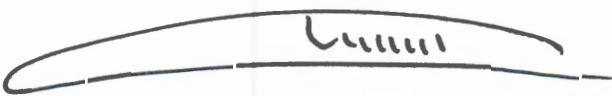
**XV. Application or Transfer of payment:**

The fees paid for this agreement may be transferred to subsequent property owner(s); however, this Agreement is not transferable. Customer shall advise the subsequent property owner(s) of the State requirement that they sign a replacement agreement authorizing Contractor to perform the herein described Services, and accepting Customer's Responsibilities. This replacement Agreement must be signed and received in Contractor's offices within ten (10) business days of date of transfer of property ownership. Contractor will apply all funds received from Customer first to any past due obligation arising from this Agreement including late fees or penalties, return check fees, and/or charges for services or repairs not paid within thirty (30) days of invoice date. Any remaining monies shall be applied to the funding of the replacement Agreement. The consumption of funds in this manner may cause a reduction in the termination date of effective coverage per this Agreement. See Section IV.

**XVI. Entire Agreement:**

This agreement contains the entire Agreement of the parties, and there are no other conditions in any other agreement, oral or written.

  
Block Creek Aerobic Services, LLC,  
Contractor  
MC# 0000042 and MC#0000002

  
Customer Signature \_\_\_\_\_ Date \_\_\_\_\_

  
Customer's Initials



BS  
Contractor's Initials



**ON-SITE SEWERAGE FACILITY  
SOIL EVALUATION REPORT INFORMATION**

Date Soil Survey Performed: March 07, 2019

Site Location: CANYON SPRINGS RESORT, UNIT 3A, BLOCK 61, LOT 63

Proposed Excavation Depth: N/A

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Requirements:

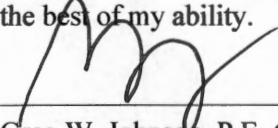
At least two soil excavations must be performed on the site, at opposite ends of the proposed disposal area. Locations of soil boring or dug pits must be shown on the site drawing. For subsurface disposal, soil evaluations must be performed to a depth of at least two feet below the proposed excavation depth. For surface disposal, the surface horizon must be evaluated. Describe each soil horizon and identify any restrictive features on the form. Indicate depths where features appear.

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SOIL BORING NUMBER <u>          </u> SURFACE EVALUATION <u>          </u>						
Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
0	III	CLAY LOAM	N/A	NONE OBSERVED	LIMESTONE @ 8"	BROWN
1						
2						
3						
4						
5						

SOIL BORING NUMBER <u>          </u> SURFACE EVALUATION <u>          </u>						
Depth (Feet)	Texture Class	Soil Texture	Gravel Analysis	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
0	SAME		AS		ABOVE	
1						
2						
3						
4						
5						

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability.

  
Greg W. Johnson, P.E. 67587-F2585, S.E. 11561

03/07/19  
Date

**OSSF SOIL EVALUATION REPORT INFORMATION**

Date: March 08, 2019

**Applicant Information:**

Name: CHAD & ERICA RUTTEN  
Address: P.O. BOX 1554  
City: CANYON LAKE State: TEXAS  
Zip Code: 78133 Phone: (830) 302-8539

**Site Evaluator Information:**

Name: Greg W. Johnson, P.E., R.S., S.E. 11561  
Address: 170 Hollow Oak  
City: New Braunfels State: Texas  
Zip Code: 78132 Phone & Fax (830)905-2778

**Property Location:**

Lot 63 Unit 3A Blk 61 Subd. CANYON SPRINGS RESORT  
Street Address: 321 CANYON SPRINGS DRIVE  
City: CANYON LAKE Zip Code: 78133  
Additional Info.: \_\_\_\_\_

**Installer Information:**

Name: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_  
Zip Code: \_\_\_\_\_ Phone \_\_\_\_\_

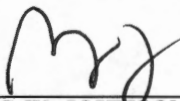
**Topography:** Slope within proposed disposal area: 4 %  
Presence of 100 yr. Flood Zone: YES \_\_\_\_\_ NO X  
Existing or proposed water well in nearby area. YES \_\_\_\_\_ NO X  
Presence of adjacent ponds, streams, water impoundments YES \_\_\_\_\_ NO X  
Presence of upper water shed YES \_\_\_\_\_ NO X  
Organized sewage service available to lot YES \_\_\_\_\_ NO X

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COUNTY ENGINEER

I HAVE PERFORMED A THOROUGH INVESTIGATION BEING A REGISTERED PROFESSIONAL ENGINEER AND SITE EVALUATOR IN ACCORDANCE WITH CHAPTER 285, SUBCHAPTER D, §285.30, & §285.40 (REGARDING RECHARGE FEATURES), TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (EFFECTIVE DECEMBER 29, 2016).

  
GREG W. JOHNSON, P.E. 67587 - S.E. 11561

03/07/19  
DATE



FIRM #2585

**DRIP TUBING SYSTEM**  
DESIGNED FOR:  
CHAD & ERICA RUTTEN  
P.O. BOX 1554  
CANYON LAKE, TX 78133

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MAR 20 2019

COUNTY ENGINEER

**SITE DESCRIPTION:**

Located in Canyon Springs Resort, Unit 3A, Block 61, Lot 63, at 321 Canyon Springs Drive, the proposed system will serve a three bedroom residence (1314sf.) situated in an area with Type-III soil as described in the Soil Evaluation Report. An aerobic treatment plant utilizing drip irrigation was chosen as the most appropriate system to serve the conditions on this lot.

**PROPOSED SYSTEM:**

A 3-inch SCH-40 pipe discharges from the residence into a NuWater B-550-400PT 600gpd aerobic plant containing a 353-gallon pretreatment tank, an aerobic treatment plant, and a 768-gallon pump chamber containing a submersible (Franklin C1 20XC1-05P4-W115) well pump. The well pump is activated by a time controller allowing the distribution ten times per day with an 8 minute run time with float setting at 240 gallons. A high level audible and visual alarm will activate should the pump fail. Distribution is through a self flushing 100 micron disc filter (Arkal) then through a 1" SCH-40 manifold to a 2000sf. drip tubing field, with *Netifim Bioline* drip lines set approximately two feet apart with **0.61 gph** emitters set every two feet, as per the attached schematic. A pressure regulator PMR-MF 30psi installed in the pump tank on the manifold to the field will maintain pressure at 30 psi. A 1" SCH-40 return line is installed to continuously flush the system by cycling a 1" ball valve. Solids caught in the disc filter are flushed each cycle back to the trash tank. Vacuum breakers installed at the highest point on each manifold will prevent siphoning of effluent from higher to lower parts of the field. Field area will be scarified and built up with ~4" of Type II or Type III soil, then the drip tubing will be laid and capped with ~6" of Type II or Type III soil (**NOT SAND**). The field area will be sodded with grass prior to system startup. **Tank must have at grade risers on each opening with watertight caps that must be at least 65# or have a padlock or can only be removed with tools. A secondary plug, cap, or suitable restraint must be provided below riser cap to prevent tank entry should the cap be damaged or removed, in compliance with Chapter §285.38.**

**DESIGN SPECIFICATIONS:**

Daily waste flow: 240 GPD Table III

Pretreatment tank size: 768 Gal

Plant Size: NuWater B-550-400PT 600gpd (TCEQ Approved)

Pump tank size: 768 Gal



Reserve capacity after High Level: 80 Gal (>1/3 day Req'd)  
 Application Rate: Ra = 0.2 gal/sf  
 Total absorption area: Q/Ra = 240 GPD/0.20 = 1200 sf. (Actual 2000 sf.)  
 Total linear feet drip tubing: 1000' *Netifim Bioline* drip tubing .61 GPH  
 Pump requirement: 500 emitters @ .61 gph @ 30 psi = 5.083gpm  
 Pump Requirement (cont.): Franklin C1 20XC1-05P4-W115 submersible well pump Dosing volume: 50-70 gal.  
 Pump Tank Calculations: 768 Gal (14.5 gal/in.)  
     Volume below working level = 12" = 218 gal  
     Working level = 240 gal = 17"  
     Reserve Requirement = >1/3 day = 80 gal. = 16"

MINIMUM SCOUR VELOCITY (MSV) > 2 FPS  
 IN DRIP TUBING W/ NOM. DIA. 0.55" ID

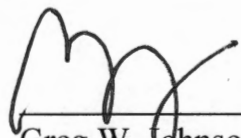
MSV = 2 FPS  $(\pi d^2)/4 * 7.48 \text{ gal/cf} * 60 \text{ sec/min}$   
 MSV =  $2(3.14159((.55/12)^2)/4) * 7.48 * 60$   
 MSV = 1.5 gpm MIN FLOW RATE x 3 = 4.5 gpm

IN RETURN MANIFOLD W/ NOM. DIA 1.049" ID  
 MSV = 2 FPS  $(\pi d^2)/4 * 7.48 \text{ gal/cf} * 60 \text{ sec/min}$   
 MSV =  $2(3.14159((1.049/12)^2)/4) * 7.48 * 60$   
 MSV = 5.4 GPM

**PIPE AND FITTINGS:**

All pipes and fittings in this drip tubing system shall be 1" schedule 40 PVC. All joints shall be sealed with approved solvent-type PVC cement. Clipper type cutters are recommended to prevent PVC burrs during cutting of pipes causing possible plugging. Drip tubing 0.61 gph drip tubing to be used in field.

Designed in accordance with Chapter 285, Subchapter D, §285.30 and §285.40 Texas Commission on Environmental Quality (Effective December 29, 2016)

 03/8/19  
 \_\_\_\_\_  
 Greg W. Johnson, P.E. No. 67587 - F-2585  
 170 Hollow Oak  
 New Braunfels, Texas 78132  
 830/905-2778



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INSTALL 2000sf OF FIELD USING 1000' OF DRIP TUBING. THERE SHALL BE NO PARKING, DRIVING OR STORAGE ON THE SEPTIC FIELD AT ANY TIME FOR ANY REASON.

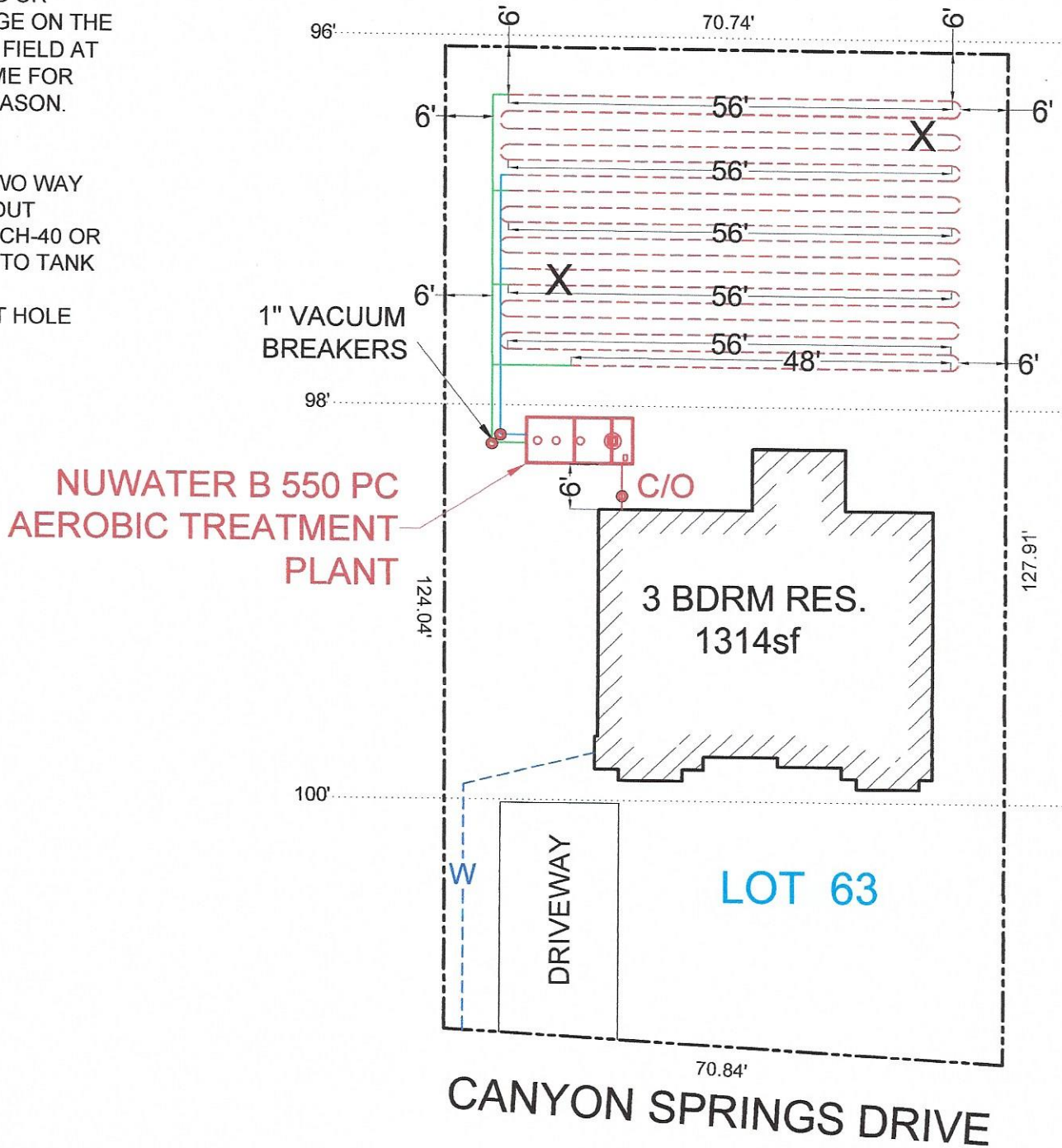
\*USE TWO WAY CLEANOUT  
 \*\*USE SCH-40 OR SDR-26 TO TANK

X= TEST HOLE

**REVISED**

8:56 am, Sep 06, 2019

#108893



OWNER: CHAD & ERICA RUTTEN		DRAWN BY: EJS III		
STREET ADDRESS: 321 CANYON SPRINGS DRIVE				
LEGAL DESC: CANYON SPRINGS RESORT	UNIT/SECTION/PHASE: 3A	BLOCK: 61	LOT: 63	
PREPARED BY: GREG W. JOHNSON, P.E. F#002585	SCALE: 1"=20'	DATE: 3/8/2019	REVISED: 9/5/2019	

# Arkal 1" Super Filter

Catalog No. 1102 0 \_ \_ \_

## Features

- ◆ A "T" shaped filter with two 1" male threads.
- ◆ A "T" volume filter for in-line installation on 1" pipelines.
- ◆ The filter prevents clogging due to its enlarged filtering area that collects sediments and particles.
- ◆ Manufactured entirely from fiber reinforced plastic.
- ◆ A cylindrical column of grooved discs constitutes the filter element.
- ◆ Spring keeps the discs compressed.
- ◆ Screw-on filter cover.
- ◆ Filter discs are available in various filtration grades.

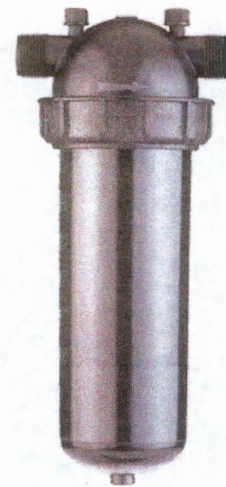
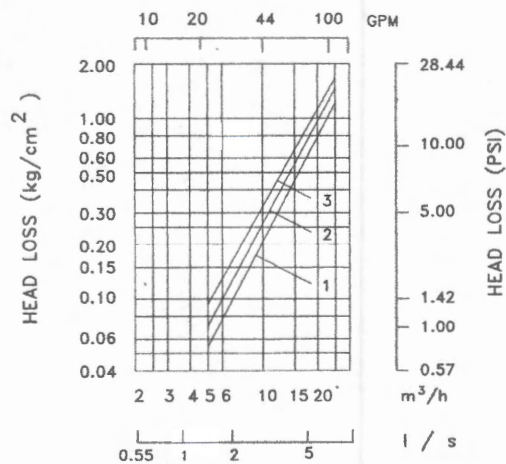
## Technical Data

Inlet/outlet diameter	1" BSPT (male)	1" NPT (male)
	25.0 mm – nominal diameter 33.6 mm – pipe diameter (O. D.)	
Maximum pressure	10 atm	145 psi
Maximum flow rate	8 m <sup>3</sup> /h (1.7 l/sec)	35 gpm
General filtration area	500 cm <sup>2</sup>	77.5 in <sup>2</sup>
Filtration volume	600 cm <sup>3</sup>	37 in <sup>3</sup>
Filter length L	340 mm	13 13/32"
Filter width W	130 mm	5 3/32"
Distance between end connections A	158 mm	6 7/32"
Weight	1.420 kg	3.13 lbs.
Maximum temperature	70° C	158 °F
pH	5-11	5-11

## Filtration Grades

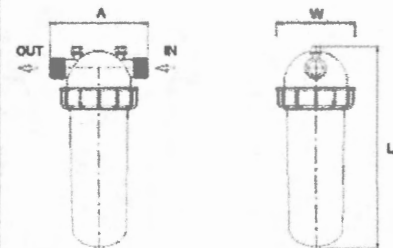
- Blue (400 micron / 40 mesh)
- Yellow (200 micron / 80 mesh)
- Red (130 micron / 120 mesh)
- Black (100 micron / 140 mesh)
- Green (55 micron)

## Head Loss Chart



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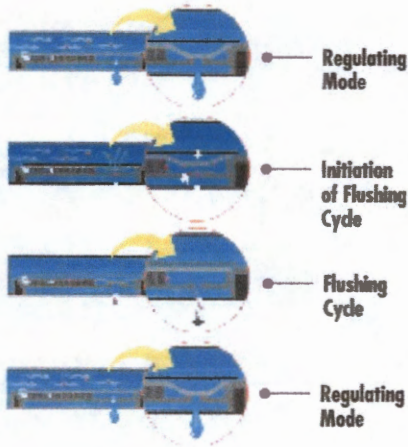






# Bioline® Dripperline

## Pressure Compensating Dripperline for Wastewater



Bioline's Self-Cleaning, Pressure Compensating Dripper is a fully self-contained unit molded to the interior wall of the dripper tubing.

As shown at left, BioLine is continuously self-cleaning during operation, not just at the beginning and end of a cycle. The result is dependable, clog free operation, year after year.



### Product Advantages

#### The Proven Performer

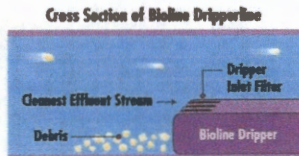
- Tens of millions of feet used in wastewater today.
- Bioline is permitted in every state allowing drip disposal.
- Backed by the largest, most quality-driven manufacturer of drip products in the U.S.
- Preferred choice of major wastewater designers and regulators.
- Proven track record of success for many years of hard use in wastewater applications.

#### Quality Manufacturing with Specifications Designed to Meet Your Needs

- Pressure compensating drippers assure the highest application uniformity - even on sloped or rolling terrain.
- Excellent uniformity with runs of 400 feet or more - reducing installation costs.
- Highest quality-control standards in the industry: Cv of 0.25 (coefficient of manufacturer's variation).
- A selection of flows and spacings to satisfy the designer's demand for almost any application rate.

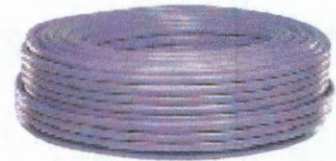
#### Long-Term Reliability

- Protection against plugging:
  - Dripper inlet raised 0.27" above wall of tubing to prevent sediment from entering dripper.
  - Drippers impregnated with Vinyzene to prevent buildup of microbial slime.
  - Unique self-flushing mechanism passes small particles before they can build up.



#### Root Safe

- A physical barrier on each Bioline dripper helps prevent root intrusion.
- Protection never wears out - never depletes - releases nothing to the environment.
- Working reliably for up to 15 years in subsurface wastewater installations.
- Additional security of chemical root inhibition with Techfilter - supplies Trifluralin to the entire system, effectively inhibiting root growth to the dripper outlets.



### Applications

- For domestic strength wastewater disposal.
- Installed following a treatment process.
- Can be successfully used on straight septic effluent with proper design, filtration and operation.
- Suitable for reuse applications using municipally treated effluent designated for irrigation water.

### Specifications

Wall thickness (mil): 45\*

Nominal flow rates (GPH): .4, .6, .9\*

Common spacings: 12", 18", 24"\*

Recommended filtration: 120 mesh

Inside diameter: .570\*

Color: Purple tubing indicates non-potable source

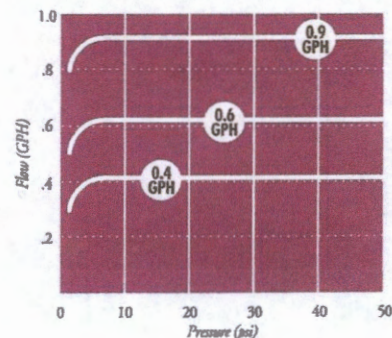
\*Additional flows, spacings, and pipe sizes available by request. Please contact Netafim USA Customer Service for details.

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**BIOLINE** Flow Rate vs. Pressure



#### NETAFIM USA

5470 E. Home Ave. • Fresno, CA 93727  
888.638.2346 • 559.453.6800  
FAX 800.695.4753  
[www.netafimusa.com](http://www.netafimusa.com)

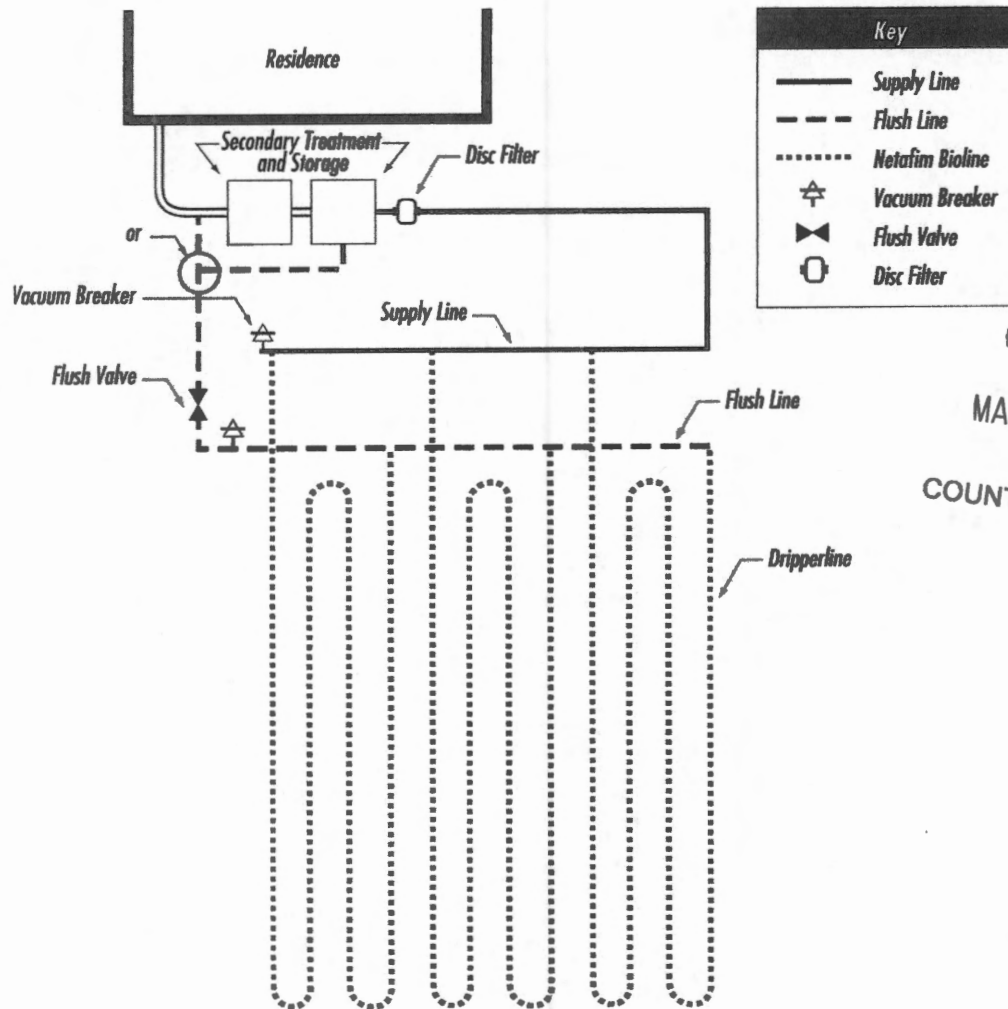
# NETAFIM WASTEWATER DISPERSAL SYSTEM DESIGN GUIDE

## SAMPLE DESIGNS

### SINGLE TRENCH LAYOUT

Rectangular field with supply and flush manifold on same side and in same trench;

- Locate supply and flush manifold in same trench
- Dripperlines are looped at the end opposite the supply and flush manifolds
- The longest Bioline length should not exceed 400 ft. Drip fields 200 ft. in length might loop the Bioline once; drip dispersal fields under 100 ft. might be looped twice, as illustrated



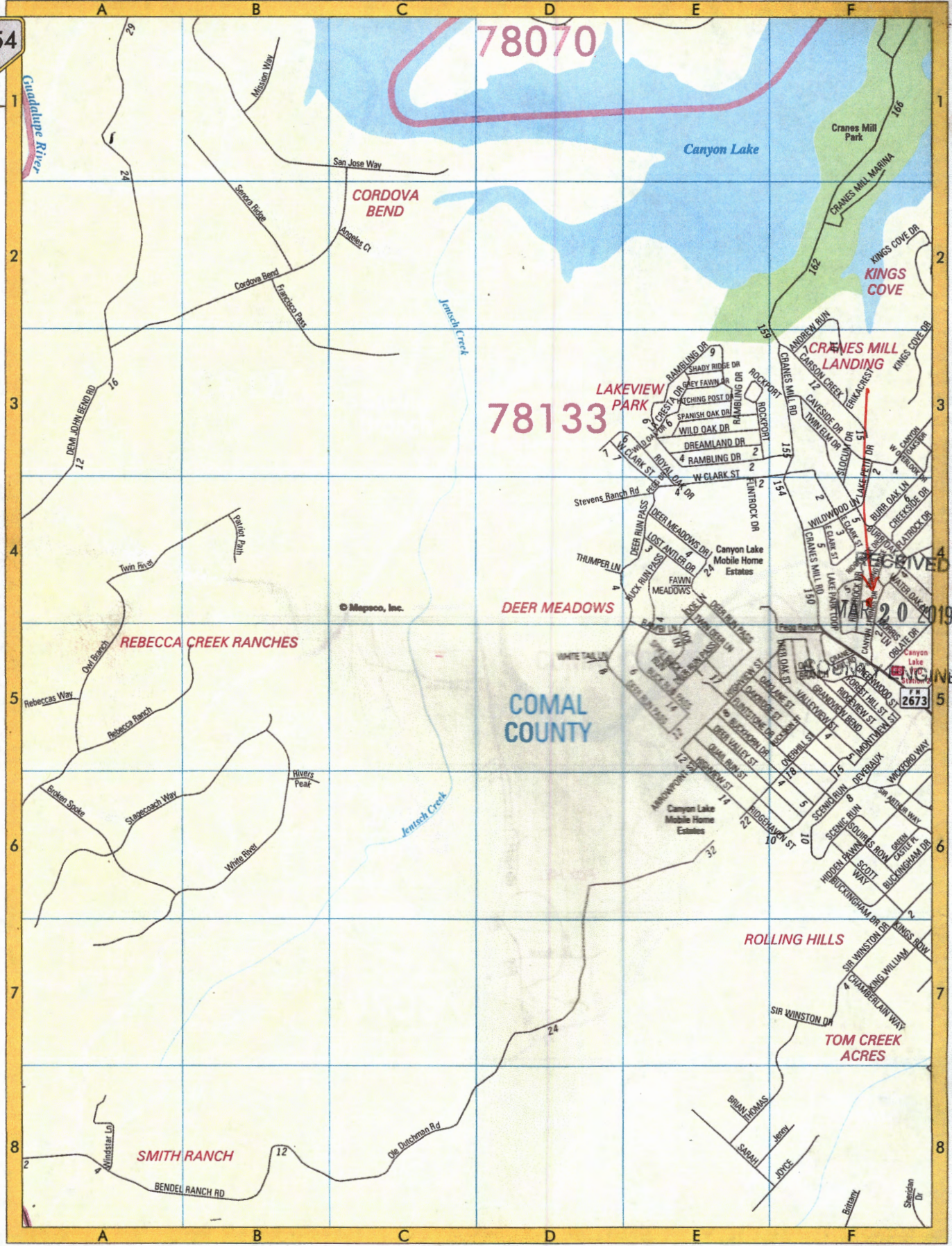
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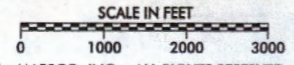
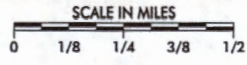
354



78070

78133

COMAL COUNTY





**VOID**

94'

70.74'

**NUWATER B 550 PC  
AEROBIC TREATMENT  
PLANT**

INSTALL 2000sf OF  
FIELD USING 1000'  
OF DRIP TUBING.  
THERE SHALL BE  
NO PARKING,  
DRIVING OR  
STORAGE ON THE  
SEPTIC FIELD AT  
ANY TIME FOR  
ANY REASON.

\*USE TWO WAY  
CLEANOUT  
\*\*USE SCH-40 OR  
SDR-26 TO TANK

X= TEST HOLE

1" VACUUM  
BREAKERS

96'

98'

6'

124.04'

100'

**VOID**

DRIVEWAY

3 BDRM RES.  
1314sf

C/O

16'

48'

56'

56'

56'

56'

56'

56'

56'

56'

6'

6'

6'

6'

6'

6'

6'

6'

6'

6'

6'

6'

127.91'

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LOT 63 MAR 20 2019

COUNTY ENGINEER

CANYON SPRINGS DRIVE

70.84'



OWNER: CHAD & ERICA RUTTEN		DRAWN BY: EJS III	
STREET ADDRESS: 321 CANYON SPRINGS DRIVE			
LEGAL DESC: CANYON SPRINGS RESORT	UNIT/SECTION/PHASE: 3A	BLOCK: 61	LOT: 63
PREPARED BY: GREG W. JOHNSON, P.E. F#002585	SCALE: 1"=20'	DATE: 3/8/2019	REVISED:

TTT/KPD 5912, Class RS, NB

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**GENERAL WARRANTY DEED**

THE STATE OF TEXAS

§

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF COMAL

§

RECEIVED  
MAR 20 2019  
COUNTY ENGINEER

THAT **LANDSACKK INVESTMENTS, LLC**, hereinafter called Grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) cash and other good and valuable consideration in hand paid by **CHAD RUTTEN** and wife, **ERICA RUTTEN**, hereinafter called Grantee, the receipt and sufficiency of which is hereby acknowledged;

HAS GRANTED, SOLD and CONVEYED, and by these presents does GRANT, SELL and CONVEY unto the said Grantee the following described property situated in Comal County, Texas, to-wit:

**Lot 63, Block 61 of CANYON SPRINGS RESORT, UNIT NO. 3-A**, a subdivision in Comal County, Texas, according to the plat recorded in Volume 2, Page 6, of the Map and Plat Records, Comal County, Texas.

This conveyance is made subject to, all and singular, the restrictions, conditions, easements and covenants, if any, applicable to and enforceable against the above described property as reflected by the records of the County Clerk of Comal County, Texas.

Taxes for the current year have been prorated and are thereafter assumed by Grantee.

TO HAVE AND TO HOLD the above described premises, together with, all and singular, the rights and appurtenances thereto in anywise belonging unto the said Grantee, Grantee's heirs, executors, administrators, successors, or assigns forever.

Grantor does hereby bind Grantor, Grantor's heirs, executors, administrators, and successors to warrant and forever defend, all and singular, the said premises unto the said Grantee, Grantee's heirs, executors, administrators, successors, and assigns against any person whomsoever claiming or to claim the same or any part thereof.

DATED this the 23 day of July, 2018.

LANDSACKK INVESTMENTS, LLC

By: [Signature]  
SHAUN STEVENS, Member

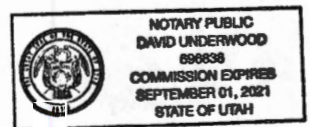
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MAR 20 2019  
COUNTY ENGINEER

STATE OF Utah  
COUNTY OF Washington

§  
§

This instrument was acknowledged before me on this the 23<sup>rd</sup> day of July, 2018, by SHAUN STEVENS, Member of LANDSACKK INVESTMENTS, LLC.

[Signature]  
Notary Public, State of Utah



GRANTEE'S MAILING ADDRESS:  
P.O. Box 1554  
Canyon Lake, TX 78133

9075d.deeds  
Trinity Title Co. (RS)  
GF #5912NB

Filed and Recorded  
Official Public Records  
Bobbie Koepf, County Clerk  
Comal County, Texas  
07/25/2018 08:34:20 AM  
LAURA 2 Pages(s)  
20180602:8909



Bobbie Koepf



Block Creek Concrete Products, LLC  
444 A Old Hwy No 9  
Comfort, TX 78013

Phone: (830) 995-3189  
Fax: (830) 995-4051

To: Chad & Erica Rutten  
PO Box 1554  
Canyon Lake, TX 78133

Printed: 4/9/2020  
Site: 321 Canyon Springs Dr  
Canyon Lake, TX 78133  
(830) 302-8539

Permit #: 108893

Agency: Comal County  
County: Comal Sub: Canyon Springs Resort  
Mfg / Brand: Advantage Wastewater LLC - Nu Water  
Treatment Type: Aerobic Without Chlorine  
Disposal: Drip Emitters

Customer ID: 6839

Contract Dates: 12/12/2019 - 12/12/2021

Scheduled Date: 4/12/2020

Inspection 1 of 6

Installed: 8/26/2019

Warranty End: 8/26/2021

GPS Coordinates - Latitude: 29.868050 Longitude: -98.292720

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

Entered By: Alex Seidensticker

Visit Date: 4/9/2020

Time In: 1115

Out: 1130

Method: Grab

Technician: Alex Seidensticker

Maint. Provider: Rudy Carson

Aerators: Operational

**Sludge Levels**

Filters: Operational

For Tank 1: n/a

Irrigation Pumps: Operational

For Tank 2: n/a

Disinfection Device: Operational

For Tank 3: 0"

CFM: 2.5

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Odor: Good

Alarm: Operational

PSI Pressure: 2.5

**Comments**

Service Completed

- Technician Secured the Tank Lid and/or Riser prior to leaving location. Due to covid 19 we're only checking pump tanks, recommended by TOWA. - Cleaned compressor filter. Drip filter already clean. - Secured system in the on position with a lock bolt.

Insp ID #: 91829


Provider: **Rudy Carson**

Technician: **Alex Seidensticker**

License #: MP0002036

License #: MP0001961

Expires: 9/30/2021



Rudy Carson

AS

Block Creek Concrete Products, LLC  
444 A Old Hwy No 9  
Comfort, TX 78013

Phone: (830) 995-3189  
Fax: (830) 995-4051

To: Chad & Erica Rutten  
PO Box 1554  
Canyon Lake, TX 78133

Printed: 8/7/2020  
Site: 321 Canyon Springs Dr  
Canyon Lake, TX 78133  
(830) 302-8539

Permit #: **108893**

Agency: Comal County  
County: Comal Sub: Canyon Springs Resort  
Mfg / Brand: Advantage Wastewater LLC - Nu Water  
Treatment Type: Aerobic Without Chlorine  
Disposal: Drip Emitters

Customer ID: 6839  
Contract Dates: 12/12/2019 - 12/12/2021  
Scheduled Date: 8/12/2020 Inspection 2 of 6  
Installed: 8/26/2019  
Warranty End: 8/26/2021  
GPS Coordinates - Latitude: 29.868050 Longitude: -98.292720

**Service Type: Scheduled Inspection**

Visit Date: **8/7/2020** Time In: 125 Out: 150

Method: **Grab**

Technician: Jose A Ortega  
Maint. Provider: Rudy Carson

Aerators: Operational  
Filters: Operational  
Irrigation Pumps: Operational  
Disinfection Device: Operational

**Sludge Levels**  
For Tank 1: n/a  
For Tank 2: n/a  
For Tank 3: 0"

This counts as a type of "Scheduled Inspection"  
Entered By: Jose A Ortega

CFM: 2.6

Tank Lid / Riser: Secured

Electric Circuits: Operational  
Distribution System: Operational  
Sprayfield Veg: Operational

Alarm: Operational PSI Pressure: 2.6

**Comments**

- Technician Secured the Tank Lid and/or Riser prior to leaving location.- n/a is for covid 19 - Due to Covid -19 We are only opening the pump tank recommended by TOWA - Changed filter on compressor - To better service the septic system we recommend at least 2" of risers to be exposed. Risers can be added to raise lids or homeowner can do minor landscaping to allow lids to be properly exposed.- cleaned drip filter, backflushed system set psi to 20psi

**Service Completed**

Insp ID #: 96779

Provider: *Rudy Carson*

Technician: *Jose A Ortega*

License #: MP0002036

License #: MT0001913

Expires: 7/31/2023

*Rudy Carson*  
Rudy Carson

*J. Ortega*

Block Creek Concrete Products, LLC  
444 A Old Hwy No 9  
Comfort, TX 78013

Phone: (830) 995-3189

Fax: (830) 995-4051

To: Chad & Erica Rutten  
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Canyon Lake, TX 78133

Printed: 12/8/2020  
Site: 321 Canyon Springs Dr  
Canyon Lake, TX 78133  
(830) 302-8539

Permit #: **108893**

Agency: Comal County

County: Comal

Sub: Canyon Springs Resort

Mfg / Brand: Advantage Wastewater LLC - Nu Water

Treatment Type: Aerobic Without Chlorin

Disposal: Drip Emitters

Customer ID: 6839

Contract Dates: 12/12/2019 - 12/12/2021

Scheduled Date: 12/12/2020

Inspection 3 of 6

Installed: 8/26/2019

Warranty End: 8/26/2021

GPS Coordinates - Latitude: 29.868050 Longitude: -98.292720

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

Visit Date: **12/8/2020**

Time In: 215

Out: 235

Entered By: Alex Seidensticker

Method: **Grab**

Technician: Alex Seidensticker

Maint. Provider: Rudy Carson

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

**Sludge Levels**

For Tank 1: 30"

For Tank 2: 10"

For Tank 3: .0"

CFM: 3.5

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Color: Good

Odor: Good

Alarm: Operational

PSI Pressure: 3.5

**Comments**

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Scum in pretreatment is '10" - \*\*\*\*Your system has a large amount of sludge build up. Therefore we suggest pumping, the pretreatment ONLY at this time. This will help prolong the life of your componets. PLEASE CALL THE OFFICE FOR MORE INFORMATION/SUGGESTIONS\*\*\*\*

Service Completed

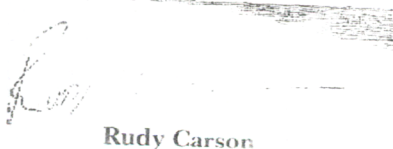
Insp ID #: 102690

Provider: **Rudy Carson**

Technician: **Alex Seidensticker**

License Info: MP0002036 Expires:

License Info: MP0001961 Expires: 9/30/2021



Rudy Carson

AS



Block Creek Concrete Products, LLC  
444 A Old Hwy No 9  
Comfort, TX 78013

Phone: (830) 995-3189  
Fax: (830) 995-4051

To: Chad & Erica Rutten  
PO Box 1554  
Canyon Lake, TX 78133

Printed: 5/5/2021  
Site: 321 Canyon Springs Dr  
Canyon Lake, TX 78133  
(830) 302-8539

Permit #: **108893**

Agency: Comal County  
County: Comal Sub: Canyon Springs Resort  
Mfg / Brand: Advantage Wastewater LLC - Nu Water  
Treatment Type: Aerobic Without Chlorin  
Disposal: Drip Emitters

Customer ID: 6839  
Contract Dates: 12/12/2019 - 12/12/2021  
Scheduled Date: 4/12/2021 Inspection 4 of 6  
Installed: 8/26/2019  
Warranty End: 8/26/2021  
GPS Coordinates - Latitude: 29.868050 Longitude: -98.292720

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

Visit Date: 5/5/2021 Time In: 1020 Out: 1040

Entered By: Cody Ryan Jurgensen

Method: Grab

Technician: Cody Ryan Jurgensen

Maint. Provider: Rudy Carson

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

**Sludge Levels**

For Tank 1: 6"

For Tank 2: 12"

For Tank 3: 0"

CFM: 3.0

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Color: Good

Odor: Good

Alarm: Operational

PSI Pressure: 3.2

**Comments**

**Service Completed**

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Cleaned compressor filter - cleaned drip filter - back flushed lines - set to 24psi - Scum in pretreatment is 2" - Secured system in the on position with a lock bolt

Owner signature:

Insp ID #: 108541

Provider: *Rudy Carson*

Technician: *Cody Ryan Jurgensen*

License #: MP0002036

License #: MT0001766

Expires: 9/30/2022



Rudy Carson



Block Creek Concrete Products, LLC  
444 A Old Hwy No 9  
Comfort, TX 78013

Phone: (830) 995-3189  
Fax: (830) 995-4051

To: Chad & Erica Rutten  
PO Box 1554  
Canyon Lake, TX 78133

Printed: 8/9/2021  
Site: 321 Canyon Springs Dr  
Canyon Lake, TX 78133  
(830) 302-8539

Permit #: **108893**

Agency: Comal County

County: Comal

Sub: Canyon Springs Resort

Mfg / Brand: Advantage Wastewater LLC - Nu Water

Treatment Type: Aerobic Without Chlorine

Disposal: Drip Emitters

Customer ID: 6839

Contract Dates: 12/12/2019 - 12/12/2021

Scheduled Date: 8/12/2021

Inspection 5 of 6

Installed: 8/26/2019

Warranty End: 8/26/2021

GPS Coordinates - Latitude: 29.868050 Longitude: -98.292720

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

**Visit Date: 8/9/2021**

Time In: 5:15

Out: 5:45

**Entered By: Michael S Looney**

**Method: Grab**

Technician: Michael S Looney

Maint. Provider: Rudy Carson

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

**Sludge Levels**

For Tank 1: 4"

For Tank 2: 12"

For Tank 3: 0"

CFM: 3.0

**Air Filter: Good**

**Turbidity: Good**

**Tank Lid / Riser: Secured**

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Color: Good

Odor: Good

Alarm: Operational

**Comments**

Service Completed

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Cleaned compressor filter. Cleaned drip filter. Backflushed lines. Reset psiat 22. scum in pretreatment is 4".

Insp ID #: 112065

Provider: **Rudy Carson**

Technician: *Michael S Looney*

License #: MP0002036

License #: MT0001616

Expires:



Block Creek Concrete Products, LLC  
444 A Old Hwy No 9  
Comfort, TX 78013

Phone: (830) 995-3189  
Fax: (830) 995-4051

To: Chad & Erica Rutten  
PO Box 1554  
Canyon Lake, TX 78133

Printed: 12/24/2021  
Site: 321 Canyon Springs Dr  
Canyon Lake, TX 78133  
(830) 302-8539

Permit #: **108893** Customer ID: 6839  
Agency: Comal County Contract Dates: 12/12/2019 - 12/12/2021  
County: Comal Sub: Canyon Springs Resort Scheduled Date: 12/12/2021 Inspection 6 of 6  
Mfg / Brand: Advantage Wastewater LLC - Nu Water Installed: 8/26/2019  
Treatment Type: Aerobic Without Chlorin Warranty End: 8/26/2021  
Disposal: Drip Emitters GPS Coordinates - Latitude: 29.868050 Longitude: -98.292720

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

Visit Date: **12/24/2021**

Time In: 1215pm

Out: 1245pm

Entered By: Alejandro Gonzalez

Method: **Grab**

Technician: Alejandro Gonzalez

Maint. Provider: Rudy Carson

Aerators: Operational  
Filters: Operational  
Irrigation Pumps: Operational  
Disinfection Device: Operational

**Sludge Levels**

For Tank 1: 6"  
For Tank 2: 13"  
For Tank 3: 1"

CFM: 2.6

Air Filter: Good

Sprinkler Squirt Height: N/A

Turbidity: Good  
Tank Lid / Riser: Secured  
Insp. Port / Plug: Secured

Electric Circuits: Operational  
Distribution System: Operational  
Sprayfield Veg: Operational

Color: Good  
Odor: Good

Alarm: Operational

PSI Pressure: 3.0

**Comments**

**Service Completed**  
s - Technician Secured the Tank Lid and/or Riser prior to leaving location. - Inspection Port Plug was noted as Secured prior to leaving. - Cleaned compressor filter - Scum in pretreatment is 3". Cleaned dripper system filter. Your service contract expires this month. Please call office to renew service. Ask about discount for multi year contracts.

Insp ID #: 118080

Provider: *Rudy Carson*

Technician: *Alejandro Gonzalez*

License #: MP0002036

License #: MT0000996

Expires:





PAUL SWOYER SEPTIC SUPPLY & SERVICE  
23011 FM 306  
CANYON LAKE, TX 78133

MP#0001708  
CHRISTOPHER RYAN SEIDENSTICKER

**PROPERTY LEGAL DESCRIPTION:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Customer:** Steadfast Investments  
**Site Address:** 321 Canyon Springs Drive  
**City/State:** Canyon Lake, TX **Zip:** 78133  
**County:** Comal **Permit#:** 108893  
**Phone Number:** 830-935-2098  
**E-mail:** carrie@havenbrooktx.com

**I. General:** This On-Site Sewage Facility Service Agreement (hereinafter referred to as "Agreement") is entered into by and between Steadfast Investments (hereinafter referred to as "Client") and PS Supply & Service LLC. (hereinafter referred to as "Contractor"). By this agreement, Contractor agrees to render services, as described herein (the "Services"), and the client agrees to fulfill his/her/their responsibilities under this agreement herein.

**II. Effective Dates:** This agreement commences on the date of License to Operate is issued for [REDACTED]  
Date of License to Operate: 06/21/2022 Last Date of Service: 06/21/2024

**III. Services by Contractor:** Contractor will provide the following Services:

1. Inspect and perform routine maintenance on the On-Site Sewage Facility ("OSSF") in compliance with the code, regulations, and/or rules of the Texas Commission on Environmental Quality ("TCEQ") and county in which the OSSF is located (the "County") and the manufacturer's requirements, at a frequency of approximately once every four (4) months.
2. Report to the appropriate regulatory authority and to Client, as required by the State of Texas' on-site rules and, if required, TCEQ or County rules. All findings must be reported to the appropriate regulatory authority within 14 days.
3. Notify Client and repair any components of the OSSF that are found to be in need of repair during the inspection. If warranty, you just do it. If not, Client will be responsible. Repairs will be made so brought up to compliance and bill forward.
4. Visit site in response to Client's request for unscheduled service within two business days from the date of Contractor's actual receipt of Client's request. Unscheduled service visits are not included in the fee agreement herein and will be billed to the client in addition to fees under this Agreement.
5. Provide notification of arrival to site to the Client or to site personnel. Additionally, Contractor will leave written notification of the visit at the site or with site personnel upon completion of inspection, and forward such notice to the appropriate regulatory authority within fourteen (14) days.

**IV. Payment(s):** Client shall pay to Contractor 0.00, for the Services describe herein (the "Inspection and Routine Maintenance Fee"), excepting those described in Section III (4), or Section IX, herein. The Fee does not include equipment, parts or labor supplied for anything beyond routine inspection and routine maintenance. Payments for such additional services are due at the time services are provided or rendered. Payments not received within thirty (30) days from the due date will be subject the greater of a \$20.00 late penalty or 1.5% carrying charge on the original balance for each month or portion thereof a balance in past due. If for any reason such charges are found to be usurious by a court of competent jurisdiction, such charges shall be reduced to the maximum allowable by law. By signing this contract, Client authorizes Contractor to remove any parts installed, but not paid in full at the end of the thirty (30) days. Client agrees to pay for any labor cost associated with the installation and the reasonable cost of removal of said parts.

Client: [Signature]

Contractor: [Signature]

**V. Client's Responsibilities:** Client is responsible for each and all of the following:

1. To maintain chlorinator and provide proper chlorine supply, if OSSF is so equipped.
2. To provide all necessary yard or lawn maintenance and removal of obstacles as needed to allow the OSSF to function properly, and to allow Contractor ready access to all parts of the OSSF.
3. To maintain a current license to operate, and abide by the conditions and limitations of that license and all requirements for on-site sewage facilities from the State and local regulatory agency.
4. To maintain the OSSF in accordance with manufacturer's recommendations.
5. To immediately notify Contractor and Agency of any and all problems with, the OSSF, including failure thereof.
6. Upon receipt of any written notification of required services from Contractor, to contact Contractor and authorize the required service. If Client elects a different contractor to perform the required service, Client is responsible for ensuring the substitute contractor holds the proper license (Installer II) and is certified by the manufacturer. Additionally, Client shall be responsible for ensuring proper notification is given to the appropriate regulatory authority, as required by the State and/or local regulatory authority rules.
7. To provide Contractor with water usage records, upon request, for evaluation by Contractor of the OSSF performance.
8. To pay required sampling charges for samples collected for testing (e.g. Biological Oxygen Demand/Total Suspended Solids ("BOD/TSS")) that may be required on the OSSF.
9. To prevent backwash from water treatment or water conditioning equipment to enter the OSSF.
10. To provide, at Client's expense, for pumping of tanks as needed.
11. To maintain site drainage sufficient to prevent adverse effects on the OSSF.
12. To promptly and fully pay Contractor's bills, fees, or invoices as described herein.

**VI. Access by Contractor:** Client agrees to allow Contractor, or personnel authorized by the Contractor, to enter the property at reasonable times without prior notice for the purpose of performing the Services described herein. Such entry shall include access to the OSSF electrical and physical components, including tanks, by means of manways or risers for the purpose of evaluations required by the manufacturer, and/or regulatory authority rules. If such manways or risers are not in place, Client shall allow and be responsible for payment of required excavation, including labor and materials, necessary to allow access to the OSSF or any required components. Such excavation shall be billed at the rate of \$75.00 per hour for labor, plus materials billed at list price. Contractor shall make only those efforts reasonable under the circumstances to replace excavated soil.

**VII. Application or Transfer of Payment:** The fees paid for this agreement may transfer to any subsequent owner(s) of the property on which the OSSF is located. The subsequent owner(s) must sign a similar agreement authorizing Contractor to perform the above-described Services, and accepting Client's responsibilities. The replacement Agreement must be signed and received within 30 days of transfer of ownership. Contractor will apply all funds received from Client first to any past due obligations arising from this Agreement including late charges, return check charges, and charges for repairs or services not paid within 30 days of invoicing. The consumption of the payment in this manner may lead to termination of the agreement by Contractor

**VIII. Termination of Agreement:** This agreement may be terminated by either party with 30 days written notice. If this agreement is so terminated by Client, Contractor shall be paid at the rate of \$75.00 per hour for any worked performed or required, but not yet paid. If terminated by Contractor, all amounts outstanding shall be due within thirty days of termination. The party terminating will immediately notify the other party, the equipment manufacturer, and the regulatory agency of the termination.

**IX. Limitation of Liability:** In no event shall Contractor be liable for indirect, consequential, incidental or punitive damages, whether in contract, tort, or any other theory of liability. In no event shall the Contractor's liability for direct damages exceed payments by the Client under this Agreement.

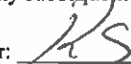
**X. Severability and Reformation:** If any provision in this Agreement shall be held to be invalid or unenforceable for any reason, it shall be reformed to the minimum extent necessary to effect the intent of the Parties. If any provision is such that it cannot reasonably be reformed, it shall be struck from this Agreement and the remaining provisions shall continue to be valid and enforceable.

**XI. Performance of Agreement:** Commencement of performance by Contractor under this agreement is contingent on the following conditions: (1) Contractor receiving a fully executed original copy of this agreement. (2) Contractor receiving payment in full of the fee(s) described herein. If the above conditions are not met, then Contractor is from any obligation to perform any portion of this agreement.

**XII. Modification.** This Agreement may not be changed or modified except by an instrument in writing, signed by both Contractor and Client.

**XIII. Waiver.** Except as otherwise noted in this Agreement, the waiver by other party of a breach of any provision of this Agreement shall not operate or be construed as a continuing waiver or as a consent to or waiver of any subsequent breach hereof.

Client:  \_\_\_\_\_

Contractor:  \_\_\_\_\_



**XIV. Headings.** The Article and Section headings in this Agreement are for the convenience of reference only and do not constitute a part of this Agreement and shall not be deemed to limit or affect any of the provisions hereof.

**XV. GOVERNING LAW AND CHOICE OF VENUE.** EACH OF THE PARTIES HERETO HEREBY CONSENTS TO THE EXCLUSIVE JURISDICTION OF THE COURTS OF THE STATE OF TEXAS, COUNTY OF COMAL, AND TO THE UNITED STATES DISTRICT COURT FOR THE WESTERN DISTRICT OF TEXAS – SAN ANTONIO DIVISION, AS WELL AS TO THE JURISDICTION OF ALL COURTS TO WHICH AN APPEAL MAY BE TAKEN FROM SUCH COURTS, FOR THE PURPOSE OF ANY SUIT, ACTION, OR OTHER PROCEEDING ARISING OUT OF, OR IN CONNECTION WITH, THIS AGREEMENT OR ANY OF THE TRANSACTIONS CONTEMPLATED HEREBY, INCLUDING, WITHOUT LIMITATION, ANY PROCEEDING RELATING TO ANCILLARY MEASURES IN AID OF ARBITRATION, PROVISIONAL REMEDIES AND INTERIM RELIEF, OR ANY PROCEEDING TO ENFORCE ANY ARBITRAL DECISION OR AWARD. EACH PARTY HERETO EXPRESSLY WAIVES ANY AND ALL RIGHTS TO BRING ANY SUIT, ACTION, OR OTHER PROCEEDING IN OR BEFORE ANY COURT OR TRIBUNAL OTHER THAN COURTS OF THE STATE OF TEXAS, COUNTY OF COMAL, AND COVENANTS THAT IT SHALL NOT SEEK IN ANY MANNER TO PROSECUTE OR DEFEND ANY DISPUTE OTHER THAN AS SET FORTH IN THIS ARTICLE XVI OR TO CHALLENGE OR SET ASIDE ANY DECISION, AWARD, OR JUDGMENT OBTAINED IN ACCORDANCE WITH THE PROVISIONS HEREOF. EACH OF THE PARTIES HERETO HEREBY EXPRESSLY WAIVES ANY AND ALL OBJECTIONS IT MAY HAVE TO VENUE, INCLUDING, WITHOUT LIMITATION, THE INCONVENIENCE OF SUCH FORUM, IN ANY OF SUCH COURTS.

**XVI. JURY TRIAL WAIVER. THE PARTIES HEREBY UNCONDITIONALLY WAIVE THEIR RIGHT TO A JURY TRIAL OF ANY AND ALL CLAIMS OR CAUSES OF ACTION ARISING FROM OR RELATING TO THEIR RELATIONSHIP. THE PARTIES ACKNOWLEDGE THAT A RIGHT TO A JURY IS A CONSTITUTIONAL RIGHT, THAT THEY HAVE HAD AN OPPORTUNITY TO CONSULT WITH INDEPENDENT COUNSEL, AND THAT THIS JURY WAIVER HAS BEEN ENTERED INTO KNOWINGLY AND VOLUNTARILY BY ALL PARTIES TO THIS AGREEMENT. IN THE EVENT OF LITIGATION, THIS AGREEMENT MAY BE FILED AS A WRITTEN CONSENT TO A TRIAL BY THE COURT.**

Approved by Contractor:



MP#0001708

CHRISTOPHER RYAN SEIDENSTICKER

DocuSigned by:

Approved by Client:

  
CC52336E014C496...

**XVII. Reservation of Rights.** Contractor reserves all rights not specifically granted herein.

**XVIII. Counterparts.** This Agreement may be executed in one or more counterparts, each of which shall be deemed to be an original but all of which together will constitute one and the same instrument.

**XIX. Counsel.** Contractor has previously recommended that Client engage counsel to assist him/her/it in reviewing this Agreement and all other matters relating to it. Contractor and Client shall each bear his/her/its own costs and expenses in connection with the negotiation and documentation of this Agreement.

**XX. Entire Agreement:** This agreement contains the entire agreement of the parties, and there are no promises or conditions in any other agreement, oral or written. The Parties expressly disclaim reliance on any prior statements, oral or written, by either party not expressly provided for herein.

Client: 

Contractor: 

**PS Septic Supply & Service**  
**23011 FM 306**  
**Canyon Lake, TX 78133**

Phone: (830) 850-0080  
Fax: (830) 935-4932

Printed:10/20/2022 Insp ID #:21986

Permit #: **108893**

**To: Steadfast Investments**  
**321 Canyon Springs Dr**  
**Canyon Lake, TX 78133**

Main Phone: (830) 935-2098  
Work:  
Cell Phone:  
Alt Cell:

Customer ID: 4558

Contract Dates: 6/21/2022 - 6/21/2024

Scheduled Date: 10/21/2022

Inspection 1 of 6

Agency: Comal County  
County: Comal County  
Mfg / Brand: - NUWATER  
Treatment Type: Aerobic  
Disposal: Drip Emitters

Sub: Canyon Springs Resort

GPS Coordinates: Latitude: 29.86817 Longitude: -98.29182

**Service Type: Scheduled Inspection**

This counts as a type of "Scheduled Inspection"

**Entered By:** Nicole Loria

**Visit Date:** 10/19/2022

Copy emailed to Customer

Customer Emailed: 10/20/2022

**Method:** Grab

**Technician:** Not Assigned

**Aerators:** Operational

**Filters:** Operational

**Irrigation Pumps:** Operational

**Disinfection Device:** Operational

**Sludge Levels**

**For Tank 1:** 10

**For Tank 2:** N/A

**For Tank 3:** 12

**Electric Circuits:** Operational

**Distribution System:** Operational

**Sprayfield Veg:** Operational

**Tank Lid / Riser:** Secured

**Insp. Port / Plug:** Secured

**Alarm:** Operational

**Comments**

**Service Completed**

- Scum on pretreatment 2 - Cleaned drip filter and backflushed drip field - Technician Secured the Tank Lid and/or Riser prior to leaving location. - Inspection Port Plug was noted as Secured prior to leaving. - Copy emailed to the customer on 10/20/2022.

Site: 321 Canyon Springs Dr, Canyon Lake, TX 78133



# Luna Environmental

4222 FM 482

New Braunfels, TX 78132

(830) 312-8776

sherrie@lunaenvironmental.com

Printed:7/13/2023

**Permit: 108893**

Site: 321 Canyon Springs Dr, Canyon Lake, TX 78133

Main Phone: 8322867611

## Jessica Bercher

321 Canyon Springs Dr

Canyon Lake, TX 78133

Agency: Comal County

County: Comal County

Subdivision: Canyon Springs Resort

System Info: MFG: Brand: NUWATER

Customer ID: 5957

Treatment Type: Aerobic

Disposal Type: Drip Emitters

Insp ID: 30035

### Visit Details

Visit Date: 7/11/2023

Entered By: Nicole Loria

GPS Lat: 29.86817 GPS Long: -98.29182

Scheduled Date: 6/21/2023

Contract Starts: 6/21/2022

Customer Emailed: 7/13/2023

Entered On: 7/13/2023

Contract Ends: 6/21/2024

### Visit Results

#### Service Type: Scheduled Inspection

Count: Inspection 3 of 6

Method: Grab

License #

Expires

Technician: Not Assigned

Provider: Luna Environmental, LLC

Service Completed

Aerators: Operational

Sludge Level Tank 1: 2

Filters: Operational

Sludge Level Tank 2: N/A

Irrigation Pumps: Operational

Disinfection Device: Operational

Electric Circuits: Operational

Tank Lid / Riser: Secured

Distribution System: Operational

Insp. Port / Plug: Secured

Drip/Sprayfield Veg: Operational

Alarm: Operational

PSI Pressure: 2.4

### Comments

- Scum on pretreatment 2-flushed air line - Cleaned drip filter & backflushed drip field - Technician Secured the Tank Lid and/or Riser prior to leaving location. - Inspection Port Plug was noted as Secured prior to leaving. - Copy emailed to the customer on 7/13/2023.

# Luna Environmental

4222 FM 482

New Braunfels, TX 78132

(830) 312-8776

sherrie@lunaenvironmental.com

Printed:11/4/2023

**Permit: 108893**

Site: 321 Canyon Springs Dr, Canyon Lake, TX 78133

Main Phone: 8322867611

**Jessica Bercher**

321 Canyon Springs Dr

Canyon Lake, TX 78133

Agency: Comal County

County: Comal County

Subdivision: Canyon Springs Resort

System Info: MFG:            Brand: NUWATER

Customer ID: 5957

Treatment Type: Aerobic

Disposal Type: Drip Emitters

Insp ID: 35127

## Visit Details

**Visit Date:** 10/24/2023

Entered By: Nicole Loria

GPS Lat: 29.86817 GPS Long: -98.29182

Scheduled Date: 10/21/2023

Contract Starts: 6/21/2022

Customer Emailed: 11/4/2023

Entered On: 11/4/2023

Contract Ends: 6/21/2024

## Visit Results

### Service Type: Scheduled Inspection

Count: Inspection 4 of 6

Method: Grab

License #

Expires

Technician: Luke Campbell

MT0002614

9/30/2026

Provider: Luna Environmental, LLC

Service Completed

Aerators: Operational

Sludge Level Tank 1: 12

Filters: Operational

Sludge Level Tank 2: N/A

Irrigation Pumps: Operational

Sludge Level Tank 3: 12

Disinfection Device: Operational

Electric Circuits: Operational

Tank Lid / Riser: Secured

Distribution System: Operational

Insp. Port / Plug: Secured

Drip/Sprayfield Veg: Operational

Alarm: Operational

PSI Pressure: 2.5

## Comments

- Scum on pretreatment 0 - Cleaned drip filter & backflushed drip field - Technician Secured the Tank Lid and/or Riser prior to leaving location. - Inspection Port Plug was noted as Secured prior to leaving. - Copy emailed to the customer on 11/4/2023.