

Comal County

OFFICE OF COMAL COUNTY ENGINEER

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: **06/25/2019** Permit Number: **108063**

Location Description: 1228 W LAKESIDE DR
CANYON LAKE, TX 78133

Subdivision: Canyon Springs Resort
Unit: 4
Lot: 12
Block: 47
Acreage:

Type of System: Aerobic
Drip Irrigation

Issued to: Gerald Lopez & Susan Lenhart Lopez

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


ENVIRONMENTAL HEALTH INSPECTOR

OS0032485


ENVIRONMENTAL HEALTH COORDINATOR

OS 0025599

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: MJ Septic OSSF Installer #: OS0023596
 1st Inspection Date: 10-23-18 2nd Inspection Date: _____ 3rd Inspection Date: 6-25-19 final
 Inspector Name: Connor Inspector Name: _____ Inspector Name: Connor
 Permit#: 108063 Address: Canyon Spring Resort 1228 Lakeview Dr

Req.	Description	Approved	Criteria	1st Insp.	2nd Insp.	3rd Insp.
2	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)(vi) 285.30(b)(1)(A)(vii)	✓		
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	✓	285.31(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)	✓		
3	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)(ii) 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 cover Covered 6-25-19 JC
 operational - cover
 Covered - per plan 6-25-19 JC

**Comal County Environmental Health
OSSF Inspection Sheet**

Level

No.	Description	Owner	City	Address	Set Back	Field No.
40	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Nozzles Area, including within 10 ft of sprinkler heads APPLICATION AREA The Landscape Area is as follows	/	285.33(d)(2)(G)(III)(I) 285.33(d)(2)(G)(III)(I) 285.33(d)(2)(G)(III)(I) 285.33(d)(2)(G)(III)(I) 285.33(d)(2)(G)(III)(I) 285.33(d)(2)(G)(III)(I)			/
41	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Nozzles Area, including within 10 ft of sprinkler heads APPLICATION AREA The Landscape Area is as follows	/	285.33(d)(2)(G)(III)(I) 285.33(d)(2)(G)(III)(I) 285.33(d)(2)(G)(III)(I)			/
42	APPLICATION AREA None installed	/		2000 sf field		/
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: MJ Septic OSSF Installer #: OS0023596

1st Inspection Date: 10-23-18 2nd Inspection Date: _____ 3rd Inspection Date: _____

Inspector Name: Connor Inspector Name: _____ Inspector Name: _____

Permit#: 108063

Address: Canyon Springs Resort 1228 Lakeview Dr

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 cover
operational - cover*

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Answer	Citation	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)		10-23-18		
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	✓			10-23-18		
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	✓		Proflow 5060 HCSP	10-23-18		
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(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)	<i>operational</i>		/	
20	DISPOSAL SYSTEM Soil Substitution		285.33(d)(4)				
21	DISPOSAL SYSTEM Pumped Effluent		285.33(a)(4) 285.33(a)(3) 285.33(a)(1)				
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.
	<p>EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling</p> <p>EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0%</p> <p>EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field (1000 Linear ft. for 2 bedrooms or Less & an additional 400 ft. for each additional bedroom)</p> <p>EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 inches to 3 ft. & 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.) & 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>				
32	AEROBIC TREATMENT UNIT Is Aerobic Unit Installed According to Approved Guidelines.	/	285.32(c)(1)		/		
33	<p>AEROBIC TREATMENT UNIT Inspection/Clean Out Port & 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>	/			/		
34	AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.	/			/		
35	<p>PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & 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>						
36	<p>PUMP TANK Inspection/Clean Out Port & 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>						
37	PUMP TANK Secondary restraint system provided						
38	PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried	/				/	
39							

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Distribution Pipe, Fittings, Sprinkler Heads & Valve Covers Color Coded Purple?		285.33(d)(2)(G)(iii)(I) 285.33(d)(2)(G)(iii)(II) 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	/		2000 sf field		/	
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

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Installer Name: MJ Septic OSSF Installer #: OS0023596

1st Inspection Date: 10-23-18 2nd Inspection Date: _____ 3rd Inspection Date: _____

Inspector Name: Connor Inspector Name: _____ Inspector Name: _____

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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 cover
operational - cover*

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: MJ Septic OSSF Installer #: OS0023596

1st Inspection Date: 10-23-18 2nd Inspection Date: _____ 3rd Inspection Date: _____

Inspector Name: Connor Inspector Name: _____ Inspector Name: _____

Permit#: 108063 Address: Canyon Springs Resort 1228 Lakeland Dr

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)				
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Tank set level cover

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1st Inspection Date: 10-23-18 2nd Inspection Date: _____ 3rd Inspection Date: _____

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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)				
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Tank set level cover

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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)		10-23-18		
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	✓			10-23-18		
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	✓		Proflow 5060 HCSP	10-23-18		
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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**Comal County Environmental Health
OSSF Inspection Sheet**

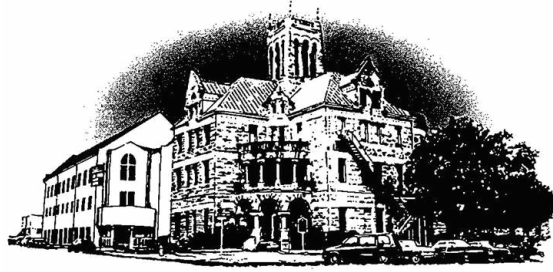
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23	DISPOSAL SYSTEM Mound		285.33(a)(3) 285.33(a)(1) 285.33(a)(2) 285.33(a)(4)				
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25	DRAINFIELD Absorptive Drainline 3" PVC or 4" PVC						
26	DRAINFIELD Area Installed						
27	DRAINFIELD Level 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**

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33	AEROBIC TREATMENT UNIT Is Aerobic Unit Installed According to Approved Guidelines.		285.32(c)(1)				
34	<p>AEROBIC TREATMENT UNIT Inspection/Clean Out Port & 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	AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.						
36	<p>PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & 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 & 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	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						
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: 108063
Issued This Date: 09/10/2018
This permit is hereby given to: Gerald Lopez & Susan Lenhart Lopez

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

1228 W LAKESIDE DR
CANYON LAKE, TX 78133

Subdivision: Canyon Springs Resort
Unit: 4
Lot: 12
Block: 47
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.

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

Date August 31, 2018

Permit # 108063

Owner Name GERALD LOPEZ & SUSAN LENHART LOPEZ
Mailing Address c/o 27552 OLD BLANCO ROAD
City, State, Zip SAN ANTONIO, TX 78260
Phone# 210-724-4574
Email susanlenhart@hotmail.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 [X] Agent [] Both Method: [] Mail [X] Email

Subdivision Name CANYON SPRINGS RESORT Unit/Phase/Section 4 Lot 12 Block 47

Acreage/Legal

Street Name/Address 1228 LAKESIDE DRIVE City CANYON LAKE Zip 78133

Type of Development:

[X] Single Family Residential

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

Number of Bedrooms 3

Indicate Sq Ft of Living Area 1979

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[] 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: \$ 250,000 (Structure Only)

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

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

Source of Water [X] Public [] Private Well

Are Water Saving Devices Being Utilized Within the Residence? [X] 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 of Owner (Handwritten Signature)

Date August 31, 2018

*** 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) PRO-FLO MODEL 5060, 600 GPD Absorption/Application Area (Sq Ft) 2000

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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)

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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

August 30, 2018
Date

1/CS 10

AFFIDAVIT



201806034584 09/04/2018 11:44:29 AM 1/1

**THE COUNTY OF COMAL
STATE OF TEXAS**

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):

4 UNIT/PHASE/SECTION 47 BLOCK 12 LOT CANYON SPRINGS RESORT SUBDIVISION

IF NOT IN SUBDIVISION: _____ ACREAGE _____ SURVEY _____

The property is owned by (insert owner's full name): SUSAN LENHART LOPEZ & GERALD LOPEZ

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 31st DAY OF July, 2018

Gerald W. Lopez

GERALD W. LOPEZ

X Susan Lenhart Lopez
Owner(s) signature(s)

SUSAN LENHART LOPEZ
Owner (s) Printed name (s)

Gerald W Lopez Susan Lenhart Lopez

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 31st DAY OF

July, 2018

THIS AREA FOR COMAL COUNTY CLERK RECORDING PURPOSES ONLY

Jennifer A. Hall
Notary Public Signature



(Notary Seal Here)

Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
09/04/2018 11:44:29 AM
CSCHUL 1 Page(s)
201806034584



Bobbie Koepf

MJ Central Texas Septic, LLC
DBA MJ Septic

27552 Old Blanco Road
 San Antonio, Texas 78260
 (210) 875-3625 * (210) 889-4606
 mjseptic@satx.rr.com (email)
 www.mjseptic.com

Aerobic Installation * Aerobic Maintenance Contracts
 Real Estate Inspections * Cleaning/Pumping

Michael J. Long, MP 0001294 Licensed by T.C.E.Q.

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PROPERTY ADDRESS: 1228 LAKESIDE DRIVE / CANYON SPRINGS RESORT, U4, BLK Q, LOT 12

The Texas Commission on Environmental Quality (TCEQ) require all ATU's to be checked and maintained every four months for the life of the unit (some permitting authorities may stipulate this requirement, after the first two years after installation; call your county to inquire). Upon expiration of this contract, MJ Septic will offer a continuation of your maintenance contract to cover labor and routine maintenance/reports. Lab testing, if required, for coliform, TSS, BOD etc. are NOT included in this policy and applicable fees are the owner's responsibility. MJ Septic will inspect and service your ATU once every 4 months for the duration of your 2-year initial contract. For a new single family dwelling, this is the date of installation, required by state guidelines dated June 13, 2001. For an existing single family dwelling, this is the date the notice of approval is issued by your permitting authority. The effective date of this maintenance contract shall be the date the LTO (license to operate) is issued. MJ Septic will address all major concerns/complaints (excluding weekends & holidays) within 72 hours from the initial point of contact with homeowner(s).

- The annual fee on your contract includes the following:** an inspection every four months (three times annually) which include inspecting the mechanical, electrical and other applicable components to ensure proper function. The annual fee does not include any parts, cleaning/pumping, chlorine/bleach (tablets or liquid), additional service calls or additional testing that may be required by any regulating authority. If for any reason, we are unable to obtain access to your property or system to perform a service check, you may be charged a \$75 service call for re-scheduling. It is very important that we have all proper gate codes, combination locks etc. to inspect your system.
- Repairs:** If repairs or replacement of parts is needed during routine inspection, we will try to contact the homeowner for approval if we are able to repair onsite. If we are unable to repair/replace parts onsite, client will be notified via email and/or USPS that repairs/replacement of parts is needed. All MAJOR part replacements come with a 2-year warranty (see notes below). There will be a \$75 warranty credit fee assessed on all parts. Warranted items will only be honored when a valid maintenance contract is in effect with MJ Septic. If the contract has a lapse, ALL WARRANTED items are VOIDED.
- Repairs:** For ATU's under initial installation warranty (2 years from initial installation date) if warranted items are required to be replaced within 30 days of installation, part will be replaced with no fees, after 30 days there will be a \$75 warranty credit fee assessed on all parts. Warranted items will only be honored when a valid maintenance contract is in effect with MJ Septic.
- Additional Service Calls/Charges:** If a service call is required by homeowner/renter between regular inspections, a service call fee of \$75 (not including parts and/or cleaning/pumping) will be assessed. We may waive this fee at our discretion. These calls include but are not limited to the following: red light alarms, high water alarms, chlorinator checks, leaky airlines, timer adjustments, spray head adjustments and system power failure.
- Chlorine:** The property owner is responsible for maintaining the chlorine supply. TCEQ regulation requires proper chlorination. For liquid chlorinators, homeowners are to add 2-3 gallons of liquid chlorine/bleach per month. (if the chlorinator is completely empty, DO NOT add more than 3 1/2 gallons of liquid chlorine/bleach at a time) For tablet chlorinators, homeowners can purchase Calcium Hypochlorite tablets at their local Home Depot or Lowe's. **DO NOT USE POOL TABLETS** (this can cause a volatile reaction)
- Cleaning/Pumping:** The cleaning/pumping of your ATU is not included in your maintenance contract. We always recommend pumping between 10-12" of sludge. *A typical/average household will need to have their system pumped every 2-5 years; this all depends on usage and will vary per household*
- Transfer of Property/Ownership:** The fee of this maintenance contract is non-refundable, however is fully transferrable to the new owner(s). If this policy is sold within the contract period, the signing party is responsible for all repairs unless the new homeowner(s) information is provided before repairs are made and transfer contract is signed (by new homeowner) and returned to us. The new homeowner(s) will be required to meet for a walk-through orientation with one of our technicians during their first visit of their transfer contract. **RENTAL HOMES:** The PROPERTY OWNER is responsible for all fees associated with this contract. Renters will be required to have a walk-through orientation during their first visit to ensure proper usage, etc.
- Altering the system:** Do not allow alteration to any part of the system or sprinkler head locations. Alterations would put the system out of compliance and would cause the property owner additional expense to bring the system back into compliance. Any use of another company to make repairs to the system will violate any warranties and be considered as a breach of this maintenance contract. If client chooses to purchase and use their own parts, MJ Septic will not install nor work on these parts.
- Violations of Warranty:** Violations of the warranty include but are not limited to the following: turning off your system at any time, disconnecting the alarm; restricting airflow to the Air Compressor, overloading the system above its daily rated capacity, introducing excessive amounts of harmful matter (including harsh chemicals, cleaners, antibiotics, etc.) into the system or any other harmful usage of your QSSF/ATU. Refusing to Clean/Pump Out Septic when recommended and/or replacing necessary parts as needed. Necessary treatment of ants. Homeowner must keep grass, weeds and plants trimmed and clear of tank access points, control panel, Air Compressor, etc. Moving sprinkler lines without proper documentation, etc. Building over septic tank, lids, etc.
- Terms of Payment:** Payment is due in full for the maintenance contract at time of signing. Payment for parts, repairs, cleaning/pumping, service calls, etc. are due prior to or at time of service, unless otherwise specifically noted. If payment is not received within ten (10) business days of service date, a 1.5% finance charge will be assessed per month. If payment is delinquent, your next service check/maintenance contract may be cancelled. If payment is more than 90 days past due, contract will be cancelled and we will send to collections.
- Maintenance Tips/Owner Guide:** Please read the attached Maintenance Tips/Owner Guide. Following these easy steps can help prevent unnecessary and avoidable expenses to the homeowner(s). **Please initial here that you've received a copy of this document:** _____ (keep the maintenance tips/guide for your reference)

CIRCLE ONE CHOICE BELOW

Contract Verified (office use only) _____

1 YEAR	2 YEAR	3 YEAR	2 YEAR INITIAL included in Installation	Paid in Full at Sign Up, Non-Refundable, Does Not Include Additional Charges Noted Above. Homeowner(s) are NOT required to be present at inspections. They will receive phone call notification the day of service and a door hanger will be left if no one is home. Reports emailed/mailed within a few business days.
\$285	\$530	\$675		

Acceptance of Maintenance Contract: The above prices, specifications, and conditions are satisfactory and are hereby accepted. MJ Septic is authorized to enter property to perform routine maintenance inspections as agreed. I have read and agree to the maintenance contract guidelines stated above and have also read and agree to comply with the Maintenance Tips/Owner Guide.

Accepted by Signature: [Signature] Printed Name: Gerald W. Lopez Email: susanlenhart@hotmail.com
Susan Lenhart Lopez
 Phone Numbers: (Home) (210) 490-0275 (Mr. Cell) _____ (Mrs. Cell) 210-724-4574 (Work) (210) 367-4099

Subdivision: CANYON SPRINGS RESORT # of Occupants in Home: 2 Gate Codes/Combination Locks, etc. _____ Biting Dogs: _____
 (MJ Septic will assess a \$75 service fee if we are not notified of gate code changes, biting dogs, etc.)

MJ Central Texas Septic, LLC Authorized Signature: Stephanie E. Perez

Date: 7/31/18



27552 Old Blanco Road
San Antonio, Texas 78260
(210) 875-3625
mjseptic@satx.rr.com
www.mjseptic.com

Maintenance Tips/Owner Guide for your Aerobic System

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To keep your system functioning properly, regular maintenance is required. No matter how well the system is maintained or how well your aerobic system is designed and household usage, there will be parts that need to be replaced. Some are less expensive (and more common) like diffuser bars (if required, not all brands use diffusers), filters, sprinkler heads, airline, float switches, timers, audio and visual alarms, etc. Some are more expensive like sprinkler pumps, air compressors and septic tank cleanings, etc. With owning an aerobic system, you should expect to have parts replaced and it needing to be cleaned/pumped out. The life span of each part of your system will vary depending upon how many people use your system, how much water is used, what types of food you eat, what medicines are taken, the type of cleaning chemicals being used in the household, what you flush down the commode and of course the regular life expectancy for each functioning part, etc.

Some of the items checked during routine inspections that may need to be replaced or repaired according to their life span. These items include, but are not limited to: air compressor (aerator), a/c filters, filter pads, diffuser bars, sprinkler pumps (irrigation pumps), control panels, electrical circuit boards, float switches, timers, audio alarms, visual alarms, airline, photocell's, toggle switches, wires, junction boxes, risers and/or lids, sprinkler heads, chlorinators, etc.

Below are some recommendations that will help you keep maintenance costs down and will help your aerobic system function properly.

- **RED LIGHT ALARMS:** if your alarm turns on, don't panic (it usually isn't an emergency) Please call our office and schedule a service call with our office. If we are closed (after hours, weekends or holidays), please leave (1) voicemail at (210) 875-3625. You may also send a text to this number. You may email us to leave a request at mjseptic@satx.rr.com if you are unable to call or text. We will make a work order for the next available business day. During this time, you as the homeowner need to reduce all non-essential water usage. Don't wait days to report red light alarms!
- **POWER:** In the event of a red-light alarm or at any other time NEVER shut off the power to your system!
- **IRRIGATION SYSTEMS (lawn care) & ALTERATIONS TO THE SYSTEM:** Avoid spraying your irrigation system in the same areas as your septic spray areas. This will cause over saturation to the lawn. Homeowners, landscapers, irrigation and pool companies should NEVER replace or tamper with your aerobic system, including the spray heads. Doing such will void any warranties (if applicable) and may result in additional costs to the homeowner for necessary repairs to bring the system back into compliance. For any changes wanted or needed for swimming pools, decks, sport courts, patios or irrigation systems, it is the homeowner's responsibility to call MJ Septic, LLC at (210) 875-3625 to assist in taking the necessary measures to have alterations made. This usually requires the system to be redesigned by one of our septic designers and re-permitted with your respective county.

** Do not build over any part of the aerobic system (the sprinklers can only be applied to natural vegetation surfaces!)

** Do not landscape over any part of the aerobic system (trees, plants, flowers, etc.)

** Do not allow ants to mound by any part of the aerobic system. Ant killer can be used to treat if mounds occur. (Ants will ruin electrical and void any warranties if applicable)

** Keep all vegetation mowed and trimmed around the entire system, including the spray heads & spray area. If the technician cannot access the system due to overgrown grass, weeds, bushes, etc. there will be a service call charge assessed to return for inspection.

- **CHLORINE (tablets & liquid):** Never store your tablets near water heaters or in your water heater closet. Keep chlorine away from gas and electrical. It is always best to store it in a cool, dry and well ventilated area.
**** For tablet chlorinators:** use only chlorine that is designed to treat wastewater! Calcium Hypochlorite tablets are available at your local Home Depot or Lowe's. We do not sell them. NEVER USE SWIMMING POOL TABLETS! (mixing pool tablets with wastewater tablets could cause a dangerous volatile reaction. When the chlorinator is completely empty, do not add more than 4-5 tablets at a time to prevent the chlorinator from clogging.
**** For liquid chlorinators:** you may use liquid chlorine/bleach (same bleach used to wash whites) When the chlorinator is completely empty, add no more than 3 ½ gallons of liquid chlorine bleach at a time. We recommend 2-3 gallons monthly (this will vary depending on how much water is used in the home per month) Do not tamper with chlorinators! This will void any warranties (if applicable).
- An aerobic system should not be treated as city sewer. Economy in the use of water helps prevent overloading the system. Leaky faucets, running commodes, etc. should be guarded against as well. Avoid doing all of your laundry in the same day (try to space to 1-2 loads daily); surges of water entering the system can and will hydraulically overload the system and throw off the balance of bacteria, which will not allow your waste to break down properly.
- Items flushed down commodes and/or poured down the drains DO NOT disappear; they must be treated by the system! Aerobic systems are designed to treat domestic wastewater and most toilet paper (read labels). Things that can harm your system include, but are not limited to are: excessive use of garbage disposal (very light use is okay, only if necessary, otherwise it is strongly recommended against!) fat, grease, oils, too many cleaners, too much fabric softener, too much bleach, cigarette butts, baby wipes, facial wipes, cleaning wipes, any type of wipes, feminine products, paper towels, condoms, q-tips, paint, paint thinners, varnishes, drain cleaners, automatic toilet bowl cleaners, hair combings, pet hair, coffee grounds, fruit, fruit peels, fruit juices, cola, wine, salad oil, sugars, dental floss, any type of diapers, kitty litter, gauze bandages, unused medications, etc. Items such as these even though they may say "flushable" or "septic safe" can cause the homeowner unnecessary and avoidable expenses for repairs to the system, as well as additional expenses when cleaning out the tanks.
- We take sludge level readings at every routine inspection (every four months) unless the system has been shut off/power failure. We always recommend cleaning/pumping of the system when levels reach 10-12" of sludge. *A typical/average household will need to have their system cleaned/pump every 2-5 years; this all depends on usage and WILL VARY per HOUSEHOLD! This fee is NOT included in your annual maintenance contract agreement.

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

Date Soil Survey Performed: July 06, 2018

Site Location: CANYON SPRINGS RESORT, UNIT 4, BLOCK 47, LOT 12

Proposed Excavation Depth: N/A

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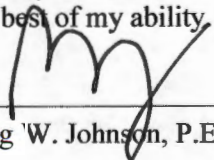
Requirements:

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.

SOIL BORING NUMBER		SURFACE EVALUATION				
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		SURFACE EVALUATION				
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

07/06/18

Date

OSSF SOIL EVALUATION REPORT INFORMATION

Date: July 09, 2018

Applicant Information:

Name: SUSAN LENHART & GERALD LOPEZ
Address: c/o 27552 OLD BLANCO ROAD
City: SAN ANTONIO State: TEXAS
Zip Code: 78260 Phone: (210) 724-4574

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 12 Unit 4 Blk 47 Subd. CANYON SPRINGS RESORT
Street Address: 1228 LAKESIDE DRIVE
City: CANYON LAKE Zip Code: 78133
Additional Info.: _____

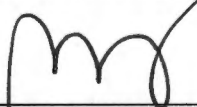
Installer Information:

Name: _____
Company: _____
Address: _____
City: _____ State: _____
Zip Code: _____ Phone _____

Topography: Slope within proposed disposal area: 4 to 25 %
Presence of 100 yr. Flood Zone: YES ___ NO X
Existing or proposed water well in nearby area. YES X NO ___
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

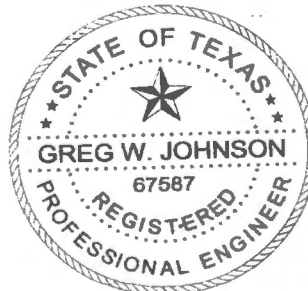
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I HAVE PERFORMED A THOROUGH INVESTIGATION BEING A REGISTERED PROFESSIONAL ENGINEER AND SITE EVALUATOR IN ACCORDANCE WITH CHAPTER 285, SUBCHAPTER D, §285.30, & §285.40 (REGARDING RECHARGE FEATURES), TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (EFFECTIVE DECEMBER 27, 2012).



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

07/09/18
DATE



FIRM #2585

**AEROBIC TREATMENT
DRIP TUBING SYSTEM
DESIGNED FOR:**

**SUSAN LENHART LOPEZ & GERALD LOPEZ
c/o 27552 Old Blanco Road
SAN ANTONIO, TEXAS 78260**

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SITE DESCRIPTION:

Located in Canyon Springs Resort, Unit 4, Block 47, Lot 12, the proposed system will serve a three bedroom residence (1979 sf.) situated in an area with shallow Type III soil as described in the Soil Evaluation Report. Native grasses and oak trees were found throughout this property. 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 Pro-Flo Model 5060 600gpd aerobic treatment plant containing a 397 gal. pretreatment chamber and a 768 gal. pump chamber. The effluent after processing gravity feeds into the pump chamber. The pump chamber contains a 0.5 HP submersible 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 2000 sf. 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 spin 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: 397 Gal

Plant Size: Pro-Flo Model 5060 600gpd aerobic treatment plant (TCEQ Approved)

Pump tank size: 768Gal

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 = 5.0833gpm

Pump: 0.5 HP FPS E-Series 20FE05P4-2W115 submersible pump or equivalent

MINIMUM SCOUR VELOCITY (MSV) > 2 FPS

IN DRIP TUBING W/ NOM. DIA. 0.55" ID

$$MSV = 2 FPS ((ID \uparrow 2) / 4) * 7.48 \text{ gal/cf} * 60 \text{ sec/min}$$

$$MSV = 2(3.14159((.55/12) \uparrow 2) / 4) * 7.48 * 60$$

$$MSV = 1.5 \text{ gpm PER LINE} * 3 \text{ LINES} = 4.5 \text{ GPM MIN FLOW RATE}$$

IN RETURN MANIFOLD W/ NOM. DIA 1.049" ID

$$MSV = 2 FPS ((ID \uparrow 2) / 4) * 7.48 \text{ gal/cf} * 60 \text{ sec/min}$$

$$MSV = 2(3.14159((1.049/12) \uparrow 2) / 4) * 7.48 * 60$$

$$MSV = 5.4 \text{ GPM}$$

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.

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

07/09/18

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



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SEP 04 2018
COUNTY ENGINEER

REVISED

8:43 am, Sep 17, 2018

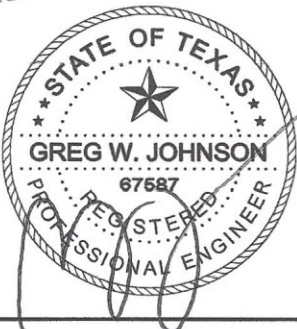
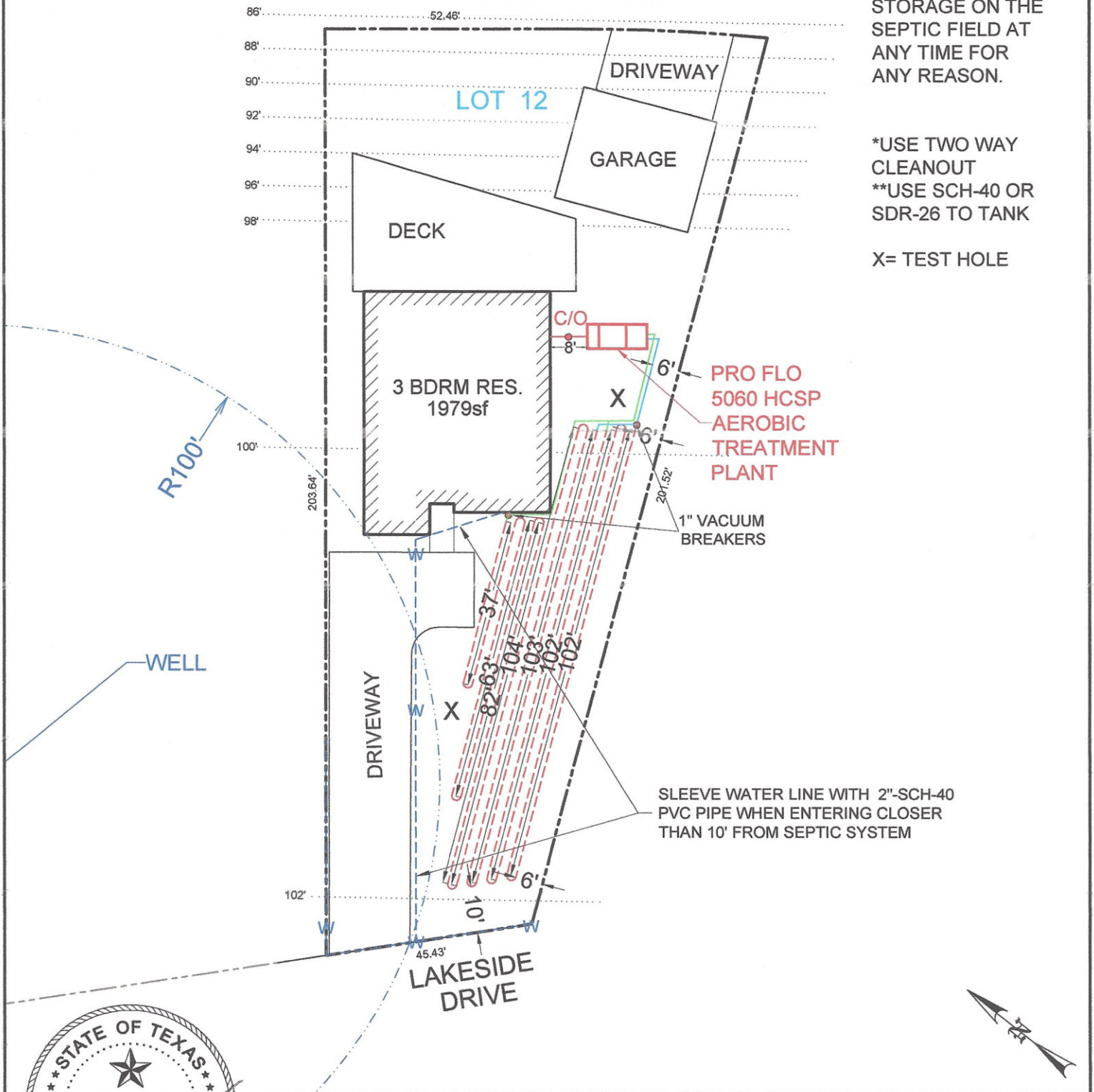
#108063

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

CANYON SPRINGS DRIVE



OWNER: SUSAN LENHART & GERALD LOPEZ		DRAWN BY: GWJ/EJS III	
STREET ADDRESS: 1228 LAKESIDE DRIVE			
LEGAL DESC: CANYON SPRINGS RESORT	UNIT/SECTION/PHASE: 4	BLOCK: 47	LOT: 12
PREPARED BY: GREG W. JOHNSON, P.E. F#002585	SCALE: 1"=30'	DATE: 7/9/2018	REVISED: 9/14/2018

REVISED

8:43 am, Sep 17, 2018

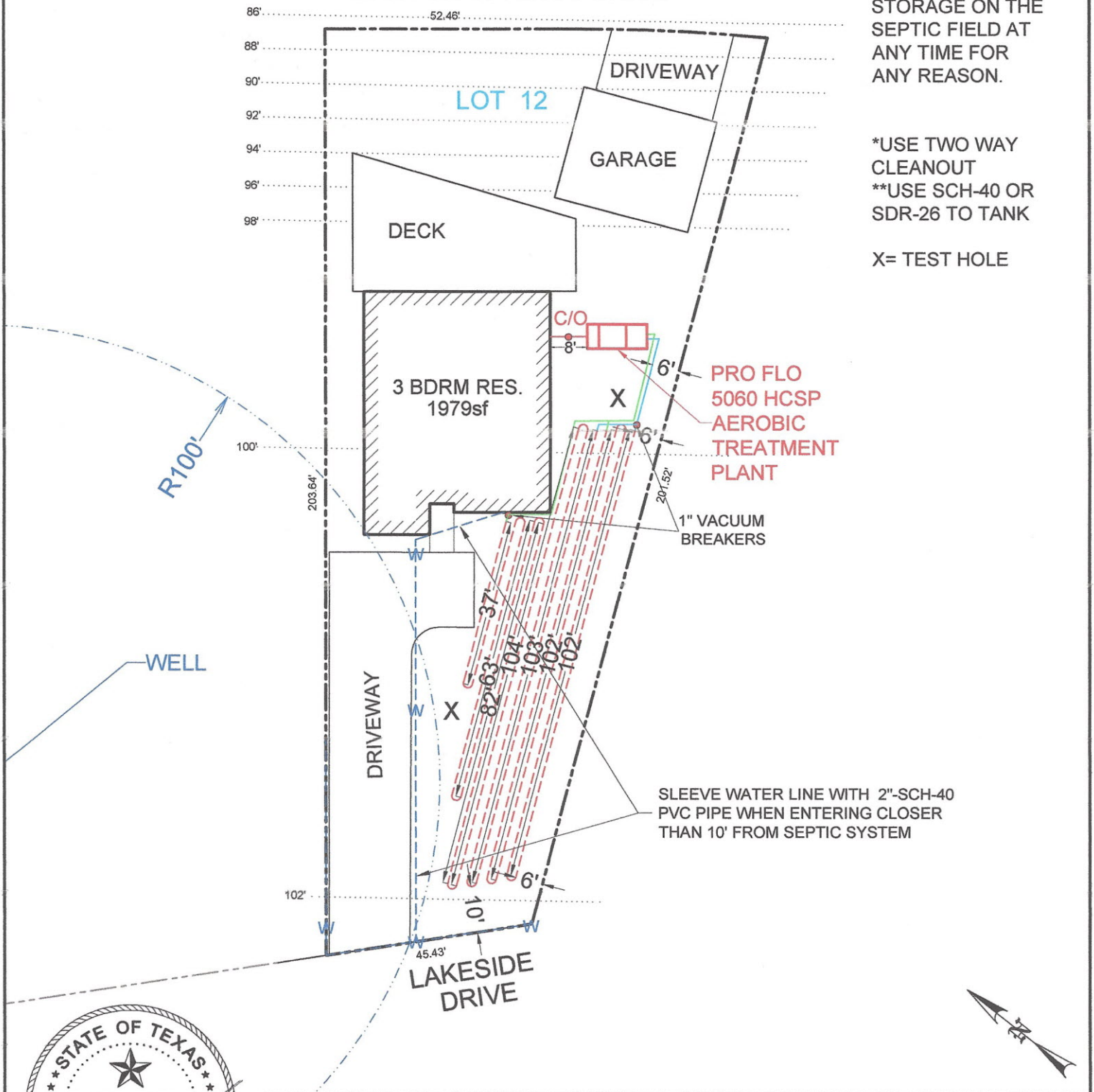
#108063

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

CANYON SPRINGS DRIVE



OWNER: SUSAN LENHART & GERALD LOPEZ		DRAWN BY: GWJ/EJS III	
STREET ADDRESS: 1228 LAKESIDE DRIVE			
LEGAL DESC: CANYON SPRINGS RESORT	UNIT/SECTION/PHASE: 4	BLOCK: 47	LOT: 12
PREPARED BY: GREG W. JOHNSON, P.E. F#002585	SCALE: 1"=30'	DATE: 7/9/2018	REVISED: 9/14/2018

TANK NOTES:

Tanks must be set to allow a minimum of 1/8" per foot fall from the residence.

Tightlines to the tank shall be SCH-40 PVC.

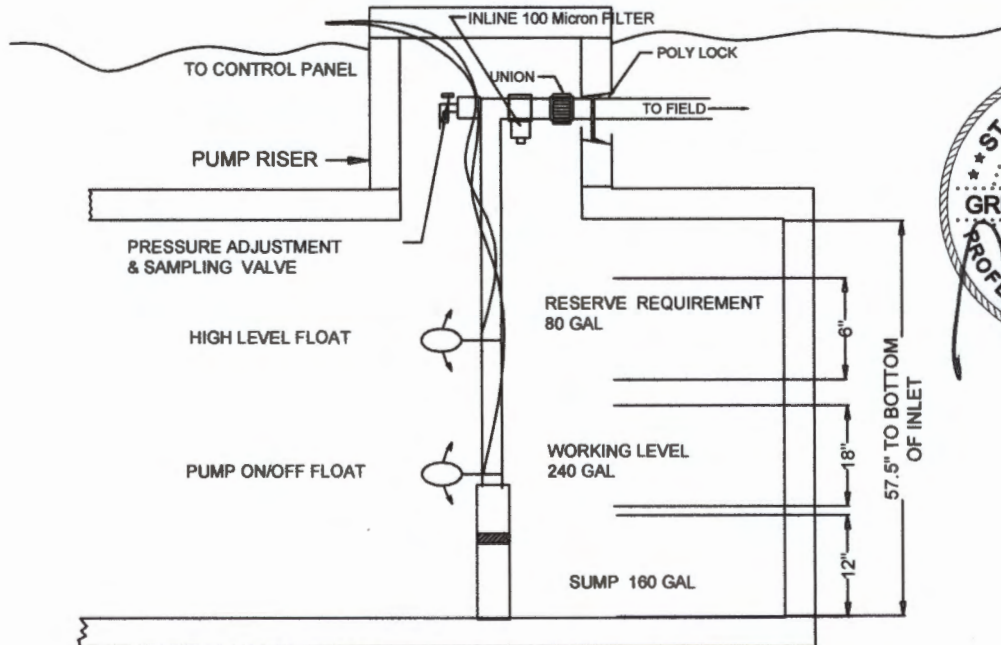
A two way sanitary tee is required between residence and tank.

A minimum of 4" of sand, sandy loam, clay loam free of rock shall be placed under and around tanks

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ALL WIRING MUST BE IN COMPLIANCE WITH THE MOST RECENT NATIONAL ELECTRIC CODE COUNTY ENGINEER



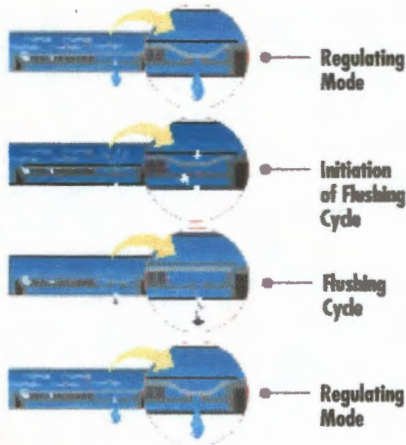
F2585
07/09/18

TYPICAL PUMP TANK CONFIGURATION PRO-FLO 768 GAL PUMP TANK



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

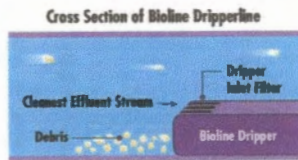
- Tens of millions of feet used in wastewater today.
- Bioline is permitted in every state allowing drip disposal.
- Backed by the largest, most quality-driven manufacturer of drip products in the U.S.
- Preferred choice of major wastewater designers and regulators.
- Proven track record of success for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

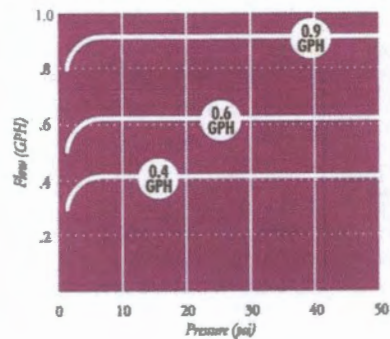
*Additional flows, spacings, and pipe sizes available by request. Please contact Netafim USA Customer Service for details.

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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

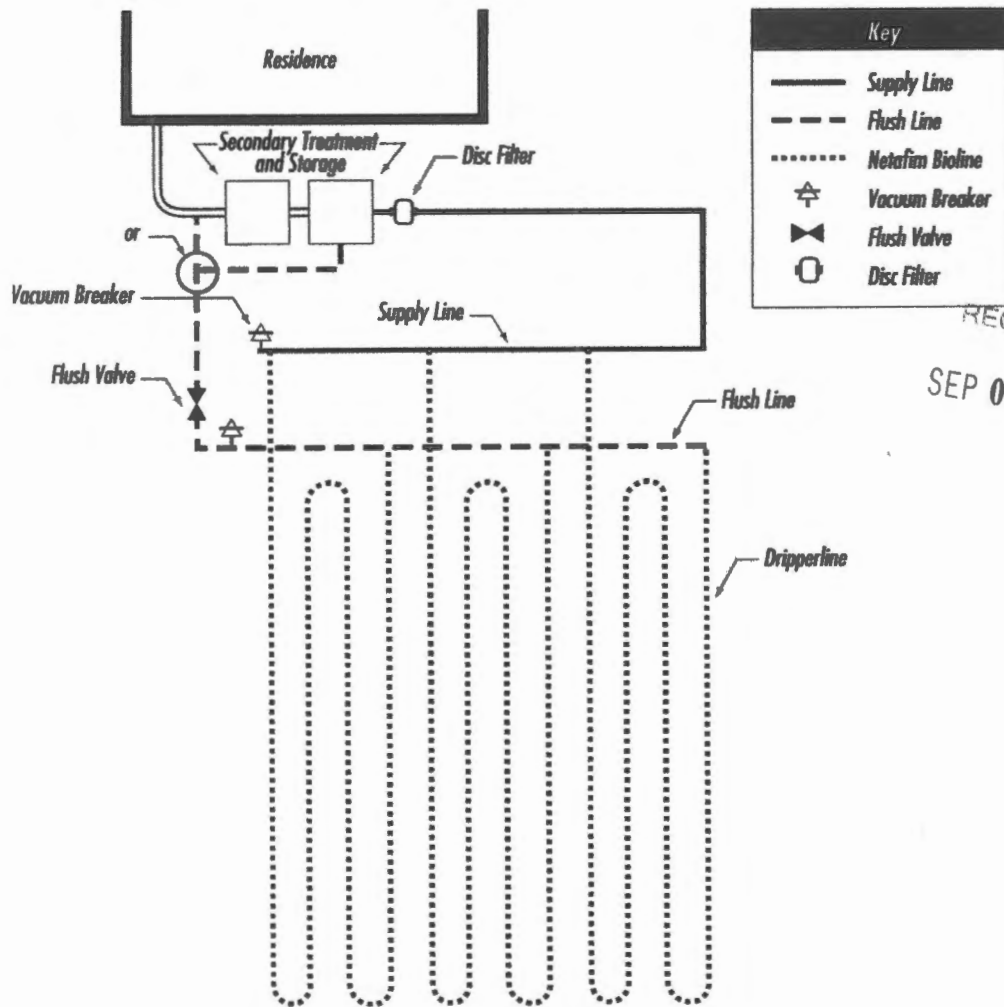
NETAFIM WASTEWATER DISPERSAL SYSTEM DESIGN GUIDE

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



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.

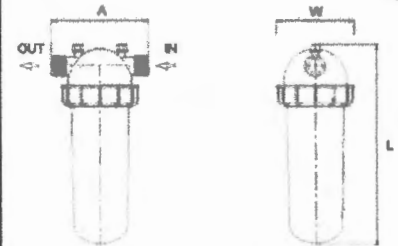


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Technical Data

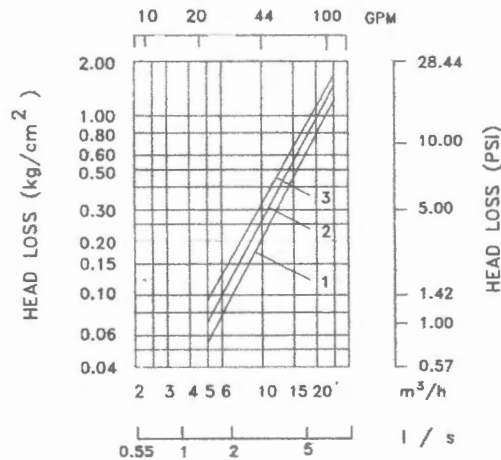
Inlet/outlet diameter	1" BSPT (male)	1" NPT (male)
	25.0 mm – nominal diameter	
	33.6 mm – pipe diameter (O. D.)	
Maximum pressure	10 atm	145 psi
Maximum flow rate	8 m ³ /h (1.7 l/sec)	35 gpm
General filtration area	500 cm ²	77.5 in ²
Filtration volume	600 cm ³	37 in ³
Filter length L	340 mm	13 13/32"
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



355



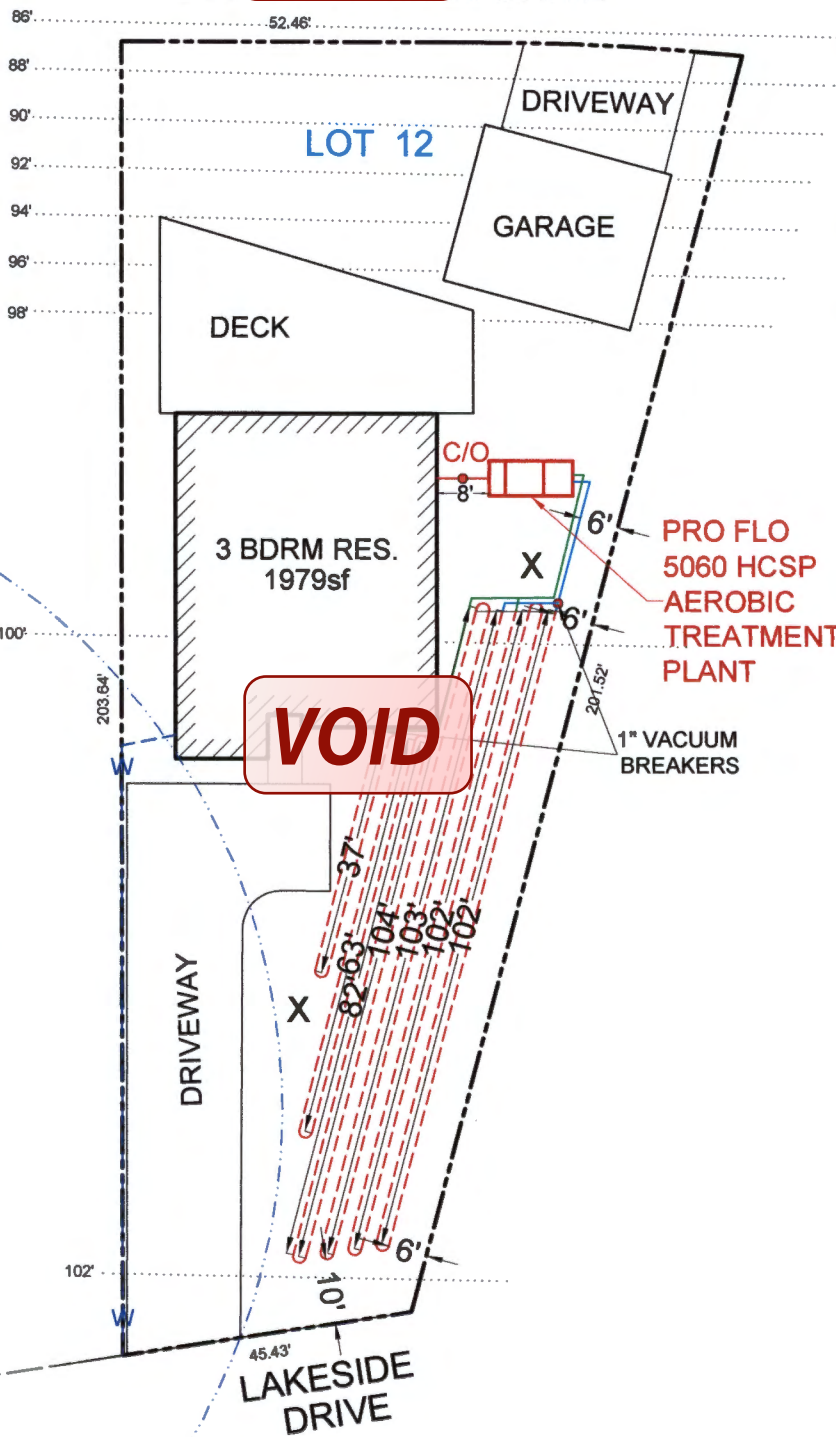
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COUNTY CLERK

CONTINUED ON MAP 356



VOID

CANYON SPRINGS DRIVE



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

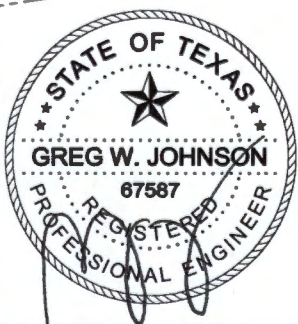
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 COUNTY ENGINEER

VOID

WELL

DRIVEWAY

LAKESIDE DRIVE



OWNER: SUSAN LENHART & GERALD LOPEZ		DRAWN BY: GWJ/EJS III	
STREET ADDRESS: 1228 LAKESIDE DRIVE			
LEGAL DESC: CANYON SPRINGS RESORT	UNIT/SECTION/PHASE: 4	BLOCK: 47	LOT: 12
PREPARED BY: GREG W. JOHNSON, P.E. F#002585	SCALE: 1"=30'	DATE: 7/9/2018	REVISED: 7/21/2018

NEW BRAUNFELS TITLE CO.
CANYON LAKE OFFICE
GF# 030102-NR

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COUNTY ENGINEER

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS:
YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

GENERAL WARRANTY DEED

THE STATE OF TEXAS §
COUNTY OF COMAL § KNOW ALL MEN BY THESE PRESENTS:

THAT W. DALE CALVERT, a single man, 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 **SUSAN LENHART LOPEZ** and husband, **GERALD LOPEZ**, 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 12, Block 47, CANYON SPRINGS RESORT, UNIT NO. 4, a subdivision in Comal County, Texas, according to the map or plat thereof recorded in Volume 2, page 1, 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.

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SEP 04 2018

COUNTY ENGINEER

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 February, 2018.

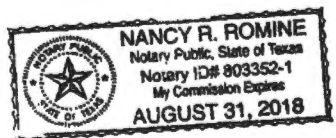

W. DALE CALVERT

STATE OF TEXAS
COUNTY OF Comal

This instrument was acknowledged before me on this the 23 day of February, 2018, by W. DALE CALVERT.


Notary Public, State of Texas

GRANTEE'S MAILING ADDRESS:
12211 Ridley Summit
San Antonio, TX 78247



8913.DEEDS
New Braunfels Title Co. CL (NR)
GF #86662NBT

Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
02/23/2018 04:27:15 PM
JESSICA 2 Pages(s)
201806006976



Bobbie Koepf

MJ Septic, LLC
27552 Old Blanco Road
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Gerald & Susan Lopez**
1228 Lakeside Drive W
Canyon Lake, TX 78133

Printed: 3/8/2019
Site: 1228 Lakeside Drive W
Canyon Lake, TX 78133

Permit #: **108063**

Agency: Comal County Environmental Health

County: Comal

Sub: Canyon Springs Resort

Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP

Treatment Type: Aerobic

Disposal: Drip Emitters

Customer ID: 4602

Contract Dates: 11/1/2018 - 11/1/2020

Scheduled Date: 3/1/2019

Inspection 1 of 6

Installed: 11/1/2018

Warranty End: 11/1/2020

Service Type: Scheduled Inspection

Visit Date: 2/27/2019

Time In: 2:50pm

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Sludge Levels

For Tank 1: 0-1

This counts as a type of "Scheduled Inspection"

Entered By: Stephanie E. Perez

Copy emailed to Customer

Customer Emailed: 2/28/2019

Copy emailed to the Agency

Agency Emailed: 3/8/2019

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

Comments

Service Completed

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - *Septic tank cleaning is recommended between 10"-12" of sludge* - *This inspection report is not valid for any real estate transactions* - Copy emailed to the customer on 2/28/2019.

Insp ID #:24236

Provider: *Michael J. Long*

License #: MP0001294

Expires: 8/31/2019

MJ Septic, LLC
27552 Old Blanco Road
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Gerald & Susan Lopez**
1228 Lakeside Drive W
Canyon Lake, TX 78133

Printed: 7/19/2019
Site: 1228 Lakeside Drive W
Canyon Lake, TX 78133

Permit #: **108063**

Agency: Comal County Environmental Health
County: Comal Sub: Canyon Springs Resort
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Drip Emitters

Customer ID: 4602
Contract Dates: 11/1/2018 - 11/1/2020
Scheduled Date: 7/1/2019 Inspection 2 of 6
Installed: 11/1/2018
Warranty End: 11/1/2020

Service Type: Scheduled Inspection

Visit Date: 7/15/2019

Time In: 1:27pm

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Sludge Levels

For Tank 1: 2

This counts as a type of "Scheduled Inspection"

Entered By: Adela Shapiro

- Copy emailed to Customer
- Customer Emailed: 7/16/2019
- Copy emailed to the Agency
- Agency Emailed: 7/19/2019

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Odor: Good

Alarm: Operational

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- *Septic tank cleaning is recommended between 10"-12" of sludge*
- *This inspection report is not valid for any real estate transactions*
- Cleaned Drip Filter - Copy emailed to the customer on 7/16/2019.

Service Completed

Insp ID #:26571

Provider: Michael J. Long

License #: MP0001294

Expires: 8/31/2019

MJ Septic, LLC
27552 Old Blanco Road
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Gerald & Susan Lopez**
1228 Lakeside Drive W
Canyon Lake, TX 78133

Printed: 11/22/2019
Site: 1228 Lakeside Drive W
Canyon Lake, TX 78133

Permit #: **108063**
Agency: Comal County Environmental Health
County: Comal Sub: Canyon Springs Resort
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Drip Emitters

Customer ID: 4602
Contract Dates: 11/1/2018 - 11/1/2020
Scheduled Date: 11/1/2019 Inspection 3 of 6
Installed: 11/1/2018
Warranty End: 11/1/2020

Service Type: Scheduled Inspection

Visit Date: **11/15/2019** Time In: 2:04pm

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Sludge Levels

For Tank 1: 1

This counts as a type of "Scheduled Inspection"

Entered By: Adela Shapiro

Copy emailed to Customer

Customer Emailed: 11/19/2019

Copy emailed to the Agency

Agency Emailed: 11/22/2019

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Odor: Good

Alarm: Operational

Comments

Service Completed

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- *Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.*
- *This inspection report is not valid for any real estate transactions*
- Cleaned Drip Filter - Copy emailed to the customer on 11/19/2019.

Insp ID #28647

Provider: *Michael J. Long*

License #: MP0001294

Expires: 8/31/2022

MJ Septic, LLC
27552 Old Blanco Road
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Gerald & Susan Lopez**
1228 Lakeside Drive W
Canyon Lake, TX 78133

Printed: 3/19/2020
Site: 1228 Lakeside Drive W
Canyon Lake, TX 78133
(210) 724-4574

Permit #: **108063**

Agency: Comal County Environmental Health
County: Comal Sub: Canyon Springs Resort
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Drip Emitters

Customer ID: 4602
Contract Dates: 11/1/2018 - 11/1/2020
Scheduled Date: 3/1/2020 Inspection 4 of 6
Installed: 11/1/2018
Warranty End: 11/1/2020

Service Type: Scheduled Inspection

Visit Date: **3/17/2020**

Method: **Other**

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"

Entered By: **Dolores Castaneda**

- Copy emailed to Customer
Customer Emailed: 3/18/2020
- Copy emailed to the Agency
Agency Emailed: 3/19/2020

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Sludge Levels

For Tank 1: 0-1

Chlorine Residual: 0.1mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

Comments

Service Completed

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- *Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.*
- *This inspection report is not valid for any real estate transactions*
- Cleaned Drip Filter
- Need three 6" risers, estimate was emailed. - Copy emailed to the customer on 3/18/2020.

Insp ID #:30790

Provider: *Michael J. Long*

License #: MP0001294

Expires: 8/31/2022

MJ Septic, LLC
27552 Old Blanco Road
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Gerald & Susan Lopez**
1228 Lakeside Drive W
Canyon Lake, TX 78133

Printed: 7/17/2020
Site: 1228 Lakeside Drive W
Canyon Lake, TX 78133
(210) 724-4574

Permit #: **108063**
Agency: Comal County Environmental Health
County: Comal Sub: Canyon Springs Resort
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Drip Emitters

Customer ID: 4602
Contract Dates: 11/1/2018 - 11/1/2020
Scheduled Date: 7/1/2020 Inspection 5 of 6
Installed: 11/1/2018
Warranty End: 11/1/2020

Service Type: Scheduled Inspection

Visit Date: 7/15/2020 Time In: 1:47

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Sludge Levels

For Tank 1: 3

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - *Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.* - *This inspection report is not valid for any real estate transactions* - Copy emailed to the customer on 7/15/2020.

Service Completed

Provider: Michael J. Long

License Info: MP0001294 Expires: 8/31/2022

Insp ID #:32826

MJ Septic, LLC
27552 Old Blanco Road
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Gerald & Susan Lopez**
1228 Lakeside Drive W
Canyon Lake, TX 78133

Printed: 11/20/2020
Site: 1228 Lakeside Drive W
Canyon Lake, TX 78133
(210) 724-4574

Permit #: **108063**

Agency: Comal County Environmental Health
County: Comal Sub: Canyon Springs Resort
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Drip Emitters

Customer ID: 4602
Contract Dates: 11/1/2018 - 11/1/2020
Scheduled Date: 11/1/2020 Inspection 6 of 6
Installed: 11/1/2018
Warranty End: 11/1/2020

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"

Visit Date: **11/19/2020**

Time In: 1:35pm

Entered By: Ashley Nicole Larcom

Method: **Other**

Copy emailed to Customer

Customer Emailed: 11/19/2020

Technician: Manuel Guerrero

Copy emailed to the Agency

Agency Emailed: 11/20/2020

Maint. Provider: Michael J. Long

Aerators: Operational

Sludge Levels

Filters: Operational

For Tank 1: 5

Irrigation Pumps: Operational

Disinfection Device: Operational

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Odor: Good

Alarm: Operational

Comments

Service Completed

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- *Septic tank cleaning is recommended between 10 and 12 inches of sludge in the pump tank (tank 1) or unless otherwise recommended by technician for other reasons such as full trash tank, etc.*
- *This inspection report is not valid for any real estate transactions*
- Timer set at 2 hours.
- ***This was your FINAL inspection for your current contract, please call (210) 875-3625 to renew your contract, to stay in compliance*** - Copy emailed to the customer on 11/19/2020.

Insp ID #:34943

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2022