



COMAL COUNTY

ENGINEER'S OFFICE

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: 11/06/2019 Permit Number: 108633

Location Description: 102 LADERA VISTA
CANYON LAKE, TX 78133

Subdivision: Ensenada Shores at Canyon Lake
Unit: 1
Lot: 54
Block:
Acreage:

Type of System: Aerobic
Surface Irrigation

Issued to: Richard Leon & Anita Lousie Howard

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

OS0034792

ENVIRONMENTAL HEALTH INSPECTOR

ENVIRONMENTAL HEALTH COORDINATOR

OS 0025599

Final

**Comal County Environmental Health
OSSF Inspection Sheet**

Installer Name: JAJ Const. / Jeff Jay OSSF Installer #: _____
 1st Inspection Date: 10/11/19 2nd Inspection Date: 10/15/19 3rd Inspection Date: 11-06-19
 Inspector Name: Michael T. Inspector Name: MIKE T. Inspector Name: B. Oliver

Permit #: 10 86 33 Address: Ensenada Shores / 102 Ladera Vista

No.	Description	Approved	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)			10/15/19	11-06-19
2.	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distance Meet Minimum Standards	✓	285.31(10) 285.30(b)(4) 285.33(3)				
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(a) 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)				

MT-10/11/19
 Tank set, leveled
 Leaking need to patch.

MT-10/15/19
 Tank patched
 Operational
 Ready For Cover.

11-06-19 BMO
 Covered

**Comal County Environmental Health
OSSF Inspection Sheet**

Item	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)(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)				11-06-19
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	✓		600	10/11/19	10/15/19	1
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	✓		Wu Water	1	1	1
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)(1) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2)				

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Amend.	Citations	Notes	1st insp.	2nd insp.	3rd insp.
19	DISPOSAL SYSTEM Drip Irrigation		285.33(c)(4)(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**

	Description	Amper	Classifications	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 < 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>				
33	<p>AEROBIC TREATMENT UNIT is Aerobic Tank Installed According to Approved Guidelines.</p>	✓	285.32(c)(1)		10/11/19	10/15/19	11-05-19
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	<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 & 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	<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

Final

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)(I) 285.33(d)(2)(G)(III)(II) 285.33(d)(2)(G)(IV) 285.33(d)(2)(G)(III) 285.33(d)(2)(G)(M) 285.33(d)(2)(G)(I) 285.33(d)(2)(G)(B) 285.33(d)(2)(G)(III)(I)			10/15/19	11-06-19
41	APPLICATION AREA Low Angle Routes 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 Environmental Health OSSF Inspection Sheet

Installer Name: JAJ Const. / Jeff Jay OSSF Installer #: _____

1st Inspection Date: 10/11/19 2nd Inspection Date: 10/15/19 3rd Inspection Date: _____

Inspector Name: Michael T. Inspector Name: Mike T. Inspector Name: _____

Permit#: 10 86 33 Address: Ensenada Shores / 102 Ladera Vista

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)			10/15/19	
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)				

MT-10/11/19
Tank set, leveled
Leaking need to patch.

MT-10/15/19
Tank patched
Operational
Ready For Cover.

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No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
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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	✓		600	10/11/19	10/15/19	
15	AEROBIC TREATMENT UNIT Manufacturer Model Number	✓		nu water			
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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OSSF Inspection Sheet**

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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)				
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33	<p>AEROBIC TREATMENT UNIT Is Aerobic Unit Installed According to Approved Guidelines.</p>	✓	285.32(c)(1)			10/11/19	10/15/19
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	<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 & 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>						
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OSSF Inspection Sheet**

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Comal County Environmental Health OSSF Inspection Sheet

Installer Name: JAJ Const. / Jeff Jay OSSF Installer #: _____

1st Inspection Date: 10/11/19 2nd Inspection Date: _____ 3rd Inspection Date: _____

Inspector Name: Michael T. Inspector Name: _____ Inspector Name: _____

Permit#: 10 86 33

Address: Encinada Shores / 102 Ladera Vista

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
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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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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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MT-10/11/19

Tank set, leveled
Leaking need to patch.

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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)				
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15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	✓		NuWater			
16	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
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28	DRAINFIELD Excavation Width DRAINFIELD Excavation Depth DRAINFIELD Excavation Separation DRAINFIELD Depth of Porous Media DRAIN FIELD 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	EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0% EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field (1000 Linear ft. for 2 bedrooms or Less & an additional 400 ft. for each additional bedroom) 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 EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) & Pipe Holes (3/16 - 1/4" dia. Hole Size) 5 ft. Apart		285.33(b)(3)(A) 285.33(b)(3)(A) 285.33(b)(3)(B) 285.91(13) 285.33(b)(3)(D) 285.33(b)(3)(F)				
33	AEROBIC TREATMENT UNIT Is Aerobic Unit Installed According to Approved Guidelines.	✓	285.32(c)(1)		10/11/19		
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						
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: 108633
Issued This Date: 01/24/2019
This permit is hereby given to: Richard Leon & Anita Lousie Howard

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

102 LADERA VISTA
CANYON LAKE, TX 78133

Subdivision: Ensenada Shores at Canyon Lake
Unit: 1
Lot: 54
Block:
Acreage:

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic
Surface 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 **JAN 15 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

01/14/19

 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 November 28, 2018

Permit # 108633

Owner Name RICHARD LEON & ANITA LOUSIE HOWARD
Mailing Address c/o 30235 HEIMER COVE STE # 3
City, State, Zip BULVERDE TEXAS 78163
Phone# 210-867-2328
Email rachel@wrc-homes.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 ENSENADA SHORES AT CANYON LAKE Unit/Phase/Section 1 Lot 54 Block

Acreage/Legal

Street Name/Address 102 LADERA VISTA City CANYON LAKE Zip 78133

Type of Development:

[X] Single Family Residential

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

Number of Bedrooms 4

Indicate Sq Ft of Living Area 3442

[] 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: \$ 450,000 (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 12.20.18

*** 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 SURFACE IRRIGATION

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

Tank Size(s) (Gallons) NUWATER B-550-PC Absorption/Application Area (Sq Ft) 4825

Gallons Per Day (As Per TCEQ Table III) 300

(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 [X] 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 [X] 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? [X] Yes [] No

Is there an existing TCEQ approval CZP for the property? [] Yes [X] 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 [X] 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 [X] 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 of Designer (Handwritten Signature)

Date November 30, 2018

AFFIDAVIT



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Yes

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.

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):

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1 UNIT PHASE/SECTION _____ BLOCK 54 LOT ENSENADA SHORES AT CANYON LAKE SUBDIVISION

IF NOT IN SUBDIVISION: _____ ACREAGE _____ SURVEY

The property is owned by (insert owner's full name): RICHARD LEON HOWARD & ANITA LOUISE HOWARD

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 20 DAY OF December, 2018

Richard Howard
Owner(s) signature(s)

Richard Howard
Owner (s) Printed name (s)

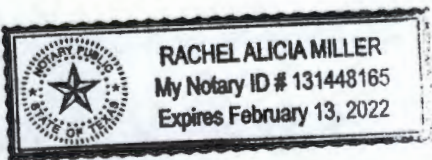
Richard Howard
December, 2018

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 20 DAY OF

Rachel Alicia Miller
Notary Public Signature

THIS AREA FOR COMAL COUNTY CLERK RECORDING PURPOSES ONLY

Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
01/15/2019 02:13:22 PM
TERRI 1 Page(s)
201906001635



(Notary Seal Here)



Bobbie Koepf

Regulatory Authority COMAL

Permit / License Number _____

JAJ Construction Services, LLC
Aerobic Services Division
Jeff Jay – MP0001423
1013 Hwy 46 East
Boerne, TX 78006
Phone (830) 336-3821
Fax (830) 336-3841

Customer RICHARD L. & ANITA L. HOWARD
Site Address 102 LADERA VISTA
City, State, Zip CANYON LAKE, TX 78133
Mailing Address _____
County COMAL Map # 355 B4

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ENSENADA SHORES, UNIT 1, LOT 54 COUNTY ENGINEERING

WASTEWATER TREATMENT FACILITY MONITORING AGREEMENT

The effective date, if this is an initial maintenance contract, shall be the date the license to operate is issued.

- i. **General:** This Work for Hire Agreement (herein after referred to as "Agreement") is entered into by and between RICHARD L. & ANITA L. HOWARD (hereinafter referred to as "Customer") and JAJ Construction Services, LLC. By this Agreement JAJ Construction 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. The designed flow rate for this system is a maximum of 300 gallons per day.
- ii. **Effective Dates:** This Agreement commences on LTO and ends on _____ for a total of _____ two (2) years (initial Agreement) or _____ one (1) year (there after). If this is an initial Agreement (new installation), the Customer will 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. **Renewal:** This Agreement shall automatically renew each at the same terms, conditions, and costs, unless either party gives notice of termination a minimum of thirty (30) days prior to end of first Agreement period. See Section IV.
- iv. **Termination of Agreement:** This Agreement may be terminated by either party with thirty (30) days written notice for any reason, including for example, substantial failure to perform to accordance with its terms, without fault or liability of the terminating party. If this Agreement is so 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. 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.
- v. **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 (3) visits to site per year.
 - 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 necessary materials at site, any component of the OSSF to be failing or inoperative during the course of a routine monitoring visit. If such services are not covered by warranty, and services costs are \$100.00 or less, Customer hereby authorizes Contractor to perform the service and bill Customer for said service. When service costs are greater than \$100.00, or if Contractor does not have necessary supplies at the site, Contractor will notify Customer of required service(s) and 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 service 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.
- vi. **Disinfection:** _____ Not Required XXX Required. The responsibility to maintain the disinfection device(s) and provide any necessary chemicals is that of the Customer _____ (Initial).
- vii. **Electric Monitoring:** Electronic Monitoring is not included in this Agreement.
- viii. **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.
 - ii. Contractor's receipt of payment of the wastewater-monitoring fee in accordance with the terms as described in Section XIV of this Agreement.
 - b. If this is not an Initial Agreement (existing system).
 - i. Contractor's receipt of a fully executed original copy or facsimile of this Agreement and all documentation requested by Contractor.
 - ii. Contractor's receipt of payment of the wastewater-monitoring fee in accordance with the terms as described in Section XIV of this Agreement.
 - c. If the above conditions are not met, Contractor is not obligated to perform any portion of this Agreement.

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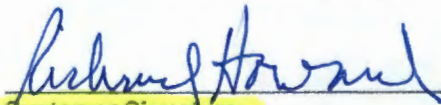
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- IX. **Customer's Responsibilities:** The Customer is responsible for each and all of the following:
 - a. Provide all necessary yard or lawn maintenance and removal of all obstacles including, but not limited to, dogs and other animals, vehicles, 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 limitation of that license, and all requirements for and OSSF from the State and or local regulatory agency, whichever are more stringent, as well as proprietary system's manufacturer recommendations.
 - d. Notify Contractor 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 evaluation by Contractor as to 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 evaluation on the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section V sub-section 'd' above. Customer agrees to pay Contractor for 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 Contractor, 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.
- X. **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. If not an initial Agreement (new installation) and this access is not in place or provided for by the Customer, the cost for the labor of excavation, and possibly other labor and material costs will be required. These costs shall be billed to Customer as an additional service at a rate of \$35.00 per hour, plus materials at list price. Excavated soil shall be replaced as best as Contractor can at the time such service is performed and under no circumstances is Contractor responsible for damages to sod, grass, roots, landscaping, or any unmarked underground items (telephone, television, or electrical cable, water, air, or gas lines, etc.), or for the uneven settling of the soil.
- XI. **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 profit or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable to an amount exceeding the total Fee for Services amount paid by Customer under this Agreement.
- 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 does not include any equipment, material, or labor necessary for non-warranty repairs or for unscheduled inspections or Customer requested visits to the site.
- XIV. **Payment:** Full amount due upon signature (Required of new Customer). Payment of invoice(s) for any other service or repair provided by Contractor is due upon receipt of invoice. Invoices are mailed 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 transfer to the subsequent property owner(s); however this Agreement is not transferable. Customer will advise 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 office 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.

The effective date of this initial maintenance contract shall be the date the license to operate is issued.


 Jeff Jay - JAJ Construction Services, LLC
 MP0001423

 12-20-18
 Richard Howard
 Customer Signature Date

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

Date Soil Survey Performed: November 29, 2018

Site Location: ENSENADA SHORES at CANYON LAKE, UNIT 1, LOT 54

Proposed Excavation Depth: N/A

Requirements:

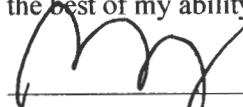
- At least two soil excavations must be performed on the site, at opposite ends of the proposed disposal area.
- Locations of soil boring or dug pits must be shown on the site drawing.
- For subsurface disposal, soil evaluations must be performed to a depth of at least two feet below the proposed excavation 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		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 @ 6"	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						

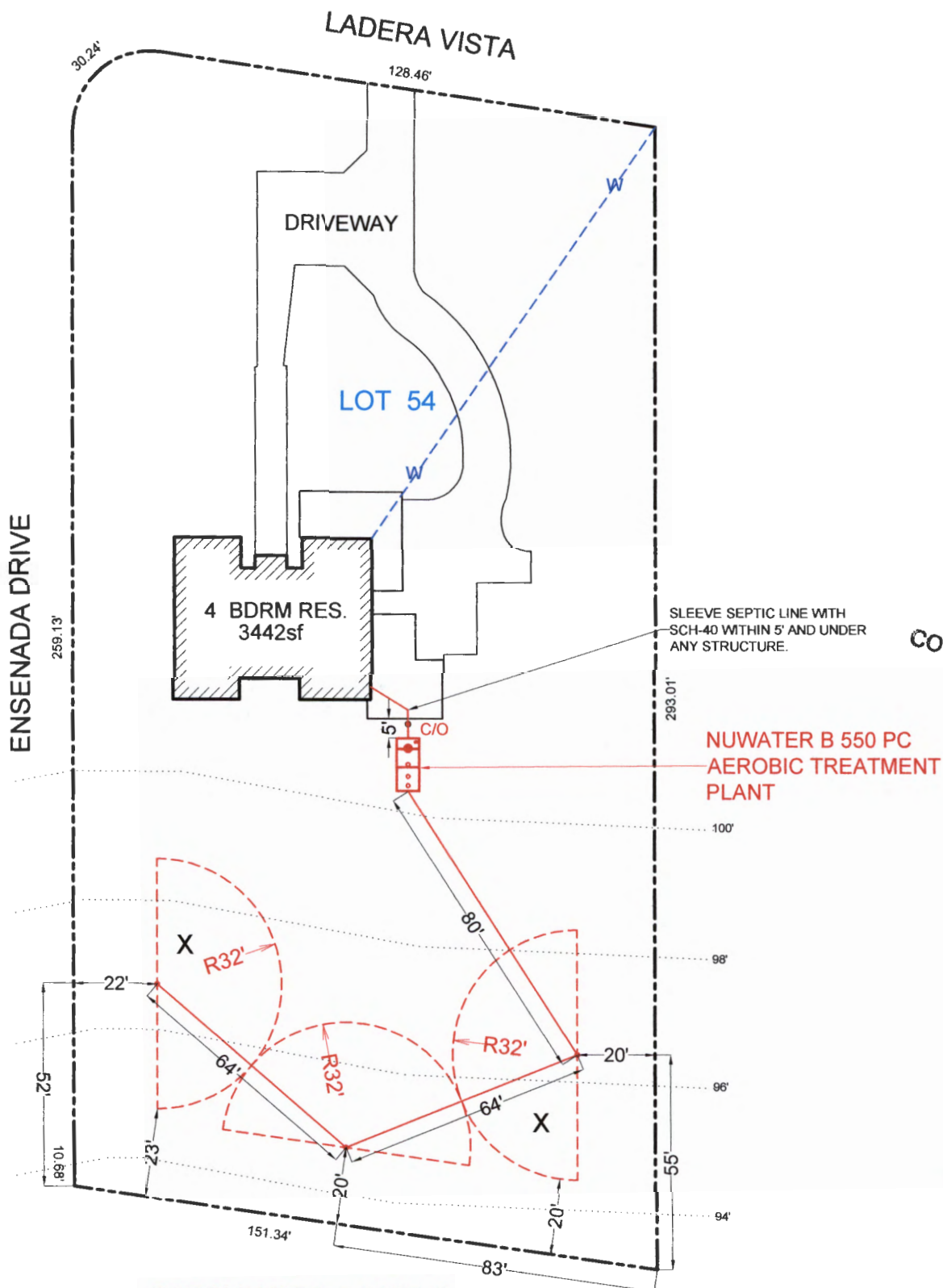
I certify that the findings of this report are based on my field observations and are accurate to the best of my ability.



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

11/29/18

Date



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SPRAY AREA = 4825sf
 X= TEST HOLES



OWNER: RICHARD LEON & ANITA LOUISE HOWARD		DRAWN BY: EJS III	
STREET ADDRESS: 102 LADERA VISTA			
LEGAL DESC: ENSENADA SHORES at CANYON LAKE	UNIT/SECTION/PHASE: 1	BLOCK:	LOT: 54
PREPARED BY: GREG W. JOHNSON, P.E. F#002585	SCALE: 1"=40'	DATE: 11/30/2018	REVISION: 1/11/2019

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.

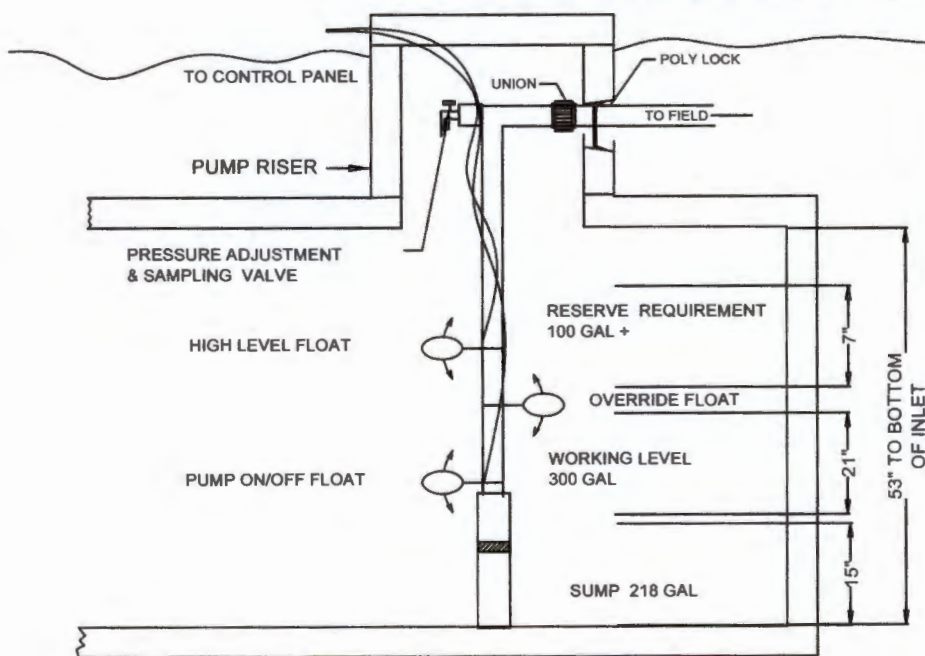
A two way sanitary tee is required between residence and tank.

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



F-2585

11/8/18

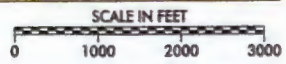
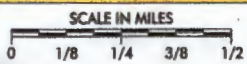
TYPICAL PUMP TANK CONFIGURATION
NU-WATER 550PC -400PT 768 GAL PUMP TANK

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CONTINUED ON MAP 356



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JAN 15 2016
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 by through or under me but not otherwise.

DATED this the 22 day of March, 2016.



RICHARD SCOTT CONTE

MARTHA JACINTO CONTE

STATE OF TEXAS
COUNTY OF Comal

§
§

This instrument was acknowledged before me on this the 22 day of March, 2016, by RICHARD SCOTT CONTE and wife, MARTHA JACINTO CONTE.

 DEBBY KIRKLAND
My Notary ID # 5520698
Expires September 26, 2017


Notary Public in and for the State of Texas
Debby Kirkland

GRANTEE'S MAILING ADDRESS:
3303 Lookout Drive
Grapevine, TX 76051

7264.DEEDES
Independence Title Co. (DK)
GF# 1603747-NBF

Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
04/14/2016 03:30:54 PM
CASHTHREE 2 Page(s)
201606015361

 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: Rick Howard
102 Ladera Vista
Canyon Lake, TX 78133

Printed: 1/21/2022
Site: 102 Ladera Vista
Canyon Lake, TX 78133
(817) 909-7493

Permit #: **108633**

Agency: Comal County

County: Comal

Mfg / Brand: - Nu Water

Treatment Type: Aerobic With Chlorine System S/N: 37834

Disposal: Surface Application

Customer ID: 7810

Contract Dates: 11/17/2021 - 11/17/2023

Scheduled Date 3/17/2022

GPS Coordinates - Latitude: 29.87214 Longitude: -98.27567

Service Type: Repair

Visit Date: 1/21/2022

Method: Grab

Technician: Rudy Carson

Maint. Provider: Rudy Carson

Entered By: Rudy Carson

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

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. Red light- replaced bad pump float

Service Completed

Insp ID #: 118966

Provider:

Rudy Carson

Technician:

Rudy Carson

License Info: MP0002036 Expires:

License Info: MP0002036 Expires: 10/22/2022



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

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

To: **Rick Howard**
102 Ladera Vista
Canyon Lake, TX 78133

Printed: 3/14/2022
Site: 102 Ladera Vista
Canyon Lake, TX 78133
(817) 909-7493

Permit #: **108633**
Agency: Comal County
County: Comal
Mfg / Brand: - Nu Water
Treatment Type: Aerobic With Chlorine System S/N: 37834
Disposal: Surface Application

Customer ID: 7810
Contract Dates: 11/17/2021 - 11/17/2023
Scheduled Date: 3/17/2022 Inspection 1 of 6

GPS Coordinates - Latitude: 29.87214 Longitude: -98.27567

Service Type: Scheduled Inspection

Visit Date: 3/14/2022

Method: Grab

Technician: Jose Ramos

Maint. Provider: Rudy Carson

This counts as a type of "Scheduled Inspection"

Out: 1158

Entered By: Jose Ramos

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 11.0

Sludge Levels

For Tank 1: N/A

For Tank 2: 0"

For Tank 3: 1"

Air Filter: Good

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Color: Good

Odor: Good

Alarm: Operational

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Cleaned compressor filter - 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

Service Completed

Insp ID #: 121295

Provider: *Rudy Carson*

Technician: Jose Ramos

License Info: MP0002036 Expires:

License Info: MT0001770 Expires: 9/1/2022

Block Creek Aerobic Services, LLC
444 A Old Hwy No 9
Comfort, TX 78013

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

To: Rick Howard
102 Ladera Vista
Canyon Lake, TX 78133

Printed: 11/4/2022 Main Phone: (817) 909-7493
Insp ID #: 132941 Work:
Cell Phone: (214) 789-0154
Alt Cell:

Permit #: **108633**

Agency: Comal County
County: Comal
Mfg / Brand: - Nu Water
Treatment Type: Aerobic With Chlorine System S/N: 37834
Disposal: Surface Application

Customer ID: 7810
Contract Dates: 11/17/2021 - 11/17/2023
Scheduled Date: 11/17/2022 Inspection 3 of 6

GPS Coordinates: Latitude: 29.87214 Longitude: -98.27567

Service Type: Scheduled Inspection

Visit Date: 11/4/2022

Time In: 1145a

Out: 1203

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

Method: Grab

Technician: Jose Ramos

Maint. Provider: Rudy Carson

Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational
Chlorine Supply: Operational
Chlorine Residual: 0.6

Sludge Levels

For Tank 1: 20"

For Tank 2: 16"

For Tank 3: 0"

Floats: OP

Timer: OP

CFM: 2.4

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

Tank Lid / Riser: Secured

Insp. Port / Plug: Secured

Alarm: Operational

Service Completed

Comments

- 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. Set Fall back time. Tank 1 scum 7".

Site: 102 Ladera Vista, Canyon Lake, TX 78133

Provider: Rudy Carson

Technician: Jose Ramos

License Info: MP0002036 Expires: 11/30/2022

License Info: MT0001770 Expires: 9/1/2022

Block Creek Aerobic Services, LLC
444 A Old Hwy No 9
Comfort, TX 78013

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

To: Rick Howard
102 Ladera Vista
Canyon Lake, TX 78133

Printed: 12/28/2022 Main Phone: (817) 909-7493
Insp ID #: 134459 Work:
Cell Phone: (214) 789-0154
Alt Cell:

Permit #: **108633**
Agency: Comal County
County: Comal
Mfg / Brand: - Nu Water
Treatment Type: Aerobic With Chlorine System S/N: 37834
Disposal: Surface Application

Customer ID: 7810
Contract Dates: 11/17/2021 - 11/17/2023
Scheduled Date: 3/17/2023

GPS Coordinates: Latitude: 29.87214 Longitude: -98.27567

Service Type: Customer Request

Visit Date: 12/28/2022

Time In:

Out: 130pm

Entered By: Noel J Aleman

Method: Grab

Technician: Noel J Aleman

Maint. Provider: Rudy Carson

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Floats: OP

Timer: OP

Electric Circuits: Operational

Tank Lid / Riser: Secured

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location. EZ Tank- replaced EZ Tank under warranty.

Service Completed

Site: 102 Ladera Vista, Canyon Lake, TX 78133

Provider: Rudy Carson

Technician: Noel J Aleman

License Info: MP0002036 Expires: 11/30/2025

License Info: MT0002393 Expires: 8/30/2025



Block Creek Aerobic Services, LLC
444 A Old Hwy No 9
Comfort, TX 78013

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

To: Rick Howard
102 Ladera Vista
Canyon Lake, TX 78133

Printed: 4/3/2023
Insp ID #: 138247

Main Phone: (817) 909-7493
Work:
Cell Phone: (214) 789-0154
Alt Cell:

Permit #: **108633**

Agency: Comal County

County: Comal

Mfg / Brand: - Nu Water

Treatment Type: Aerobic With Chlorine System S/N: 37834

Disposal: Surface Application

Customer ID: 7810

Contract Dates: 11/17/2021 - 11/17/2023

Scheduled Date: 3/17/2023

Inspection 4 of 6

GPS Coordinates: Latitude: 29.87214 Longitude: -98.27567

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"
Entered By: Noel J Aleman

Visit Date: 4/3/2023

Time In:

Out: 1030

Method: Grab

Technician: Noel J Aleman

Maint. Provider: Rudy Carson

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 1

Sludge Levels

For Tank 1: 18"

For Tank 2: 0"

For Tank 3: 3"

Floats: OP

Timer: OP

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Tank Lid / Riser: Secured

Color: Good

Odor: Good

Alarm: Operational

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location. Inspection - Cleaned compressor filter - Scum in pretreatment is 10", everything is properly working at this time.

Service Completed

Site: 102 Ladera Vista, Canyon Lake, TX 78133

Provider: **Rudy Carson**

Technician: **Noel J Aleman**

License Info: MP0002036 Expires: 11/30/2025

License Info: MT0002393 Expires: 8/30/2025



Block Creek Aerobic Services, LLC
444 A Old Hwy No 9
Comfort, TX 78013

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

To: Rick Howard
102 Ladera Vista
Canyon Lake, TX 78133

Printed: 9/6/2023
Insp ID #: 145052

Main Phone: (817) 909-7493
Work:
Cell Phone: (214) 789-0154
Alt Cell:

Permit #: **108633**

Customer ID: 7810

Agency: Comal County

Contract Dates: 11/17/2021 - 11/17/2023

County: Comal

Scheduled Date: 7/17/2023

Inspection 5 of 6

Mfg / Brand: - Nu Water

Treatment Type: Aerobic With Chlorine System S/N: 37834

Disposal: Surface Application

GPS Coordinates: Latitude: 29.87214 Longitude: -98.27567

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"
Entered By: Landon Gronvold

Visit Date: 9/6/2023

Time In: 9:58

Out: 10:14

Method: Grab

Technician: Landon Gronvold

Maint. Provider: Rudy Carson

Aerators: Operational

Sludge Levels

Filters: Operational

For Tank 1: 24

Irrigation Pumps: Operational

For Tank 2: 1"

Disinfection Device: Operational

For Tank 3: 1"

Chlorine Supply: Operational

Chlorine Residual: .3

Floats: OP

Timer: OP

Electric Circuits: Operational

Tank Lid / Riser: Secured

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

Comments

Service Completed

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Cleaned compressor filter - Scum in pretreatment is 14" system is working good

Site: 102 Ladera Vista, Canyon Lake, TX 78133

Provider: Rudy Carson

Technician: Landon Gronvold Landon

License Info: MP0002036 Expires: 11/30/2025

License Info: MT0001995 Expires: 10/31/2023

Block Creek Aerobic Services, LLC
444 A Old Hwy No 9
Comfort, TX 78013

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

Customer ID: 7810

Contract Period

Start Date: 11/17/2023
End Date: 11/17/2026

To: Rick Howard
102 Ladera Vista
Canyon Lake, TX 78133

Main Phone: (817) 909-7493
Cell Phones: (214) 789-0154

Site: 102 Ladera Vista, Canyon Lake, TX 78133
County: Comal
Installer:
Agency: Comal County
Mfg/Brand: -Nu Water-37834

Permit #: 108633

Email: anitaandrick@hotmail.com
Block Creek Aerobic Services, LLC
3 visits per year - one every 4 months
600 gallons per day

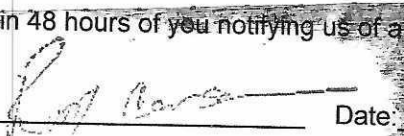
This is to Certify that the above RESIDENTIAL sewage system has an INITIAL inspections agreement per Texas Commission on Environmental Quality (TCEQ) standards for on site sewerage facilities as required.

Inspection reports by the above service company will be filed with the authorized agency as required by the TCEQ regulations. A weather proof tag or label will be attached to the controller showing the month that each inspection was made.

Items included on the Inspection Report generally include aerators, filters, irrigation pump, air compressor, disinfection device, chlorine supply, OK System light, spray field vegetation, probe, sprinkler or drip backwash.

We will visit your site within 48 hours of you notifying us of a problem

Certified Inspector: _____


Rudy Carson

Date: _____

9-22-23

Date Printed: 9/22/2023

Block Creek Aerobic Services, LLC
444 A Old Hwy No 9
Comfort, TX 78013

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

To: Rick Howard
102 Ladera Vista
Canyon Lake, TX 78133

Printed: 12/1/2023 Main Phone: (817) 909-7493
Insp ID #: 148929 Work:
Cell Phone: (214) 789-0154
Alt Cell:

Permit #: **108633**

Agency: Comal County
County: Comal
Mfg / Brand: - Nu Water
Treatment Type: Aerobic With Chlorine System S/N: 37834
Disposal: Surface Application

Customer ID: 7810
Contract Dates: 11/17/2023 - 11/17/2026
Scheduled Date: 11/17/2023 Inspection 1 of 9

GPS Coordinates: Latitude: 29.87214 Longitude: -98.27567

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"
Entered By: Nicholas R Zigalo

Visit Date: 12/1/2023

Time In:

Method: Grab

Technician: Nicholas R Zigalo

Maint. Provider: Rudy Carson

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.10

Sludge Levels

For Tank 1: 13

For Tank 2: 12

For Tank 3: 1

Floats: OP

Timer: OP

Electric Circuits: Operational

Tank Lid / Riser: Secured

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

Comments

- Scum in pretreatment is 4" - Technician Secured the Tank Lid and/or Riser prior to leaving location. - Cleaned compressor filter

Service Completed

Site: 102 Ladera Vista, Canyon Lake, TX 78133

Provider: Rudy Carson

Technician: Nicholas R Zigalo

License Info: MP0002036 Expires: 11/30/2025

License Info: MT0002016 Expires: 12/4/2023

Block Creek Aerobic Services, LLC

444 A Old Hwy No 9
Comfort, TX 78013

(830) 995-3189

Printed:2/26/2024

Permit: 108633

Site: 102 Ladera Vista, Canyon Lake, TX 78133

Main Phone: 8179097493
Cell Phone: 2147890154

Rick Howard
102 Ladera Vista
Canyon Lake, TX 78133

Agency: Comal County
County: Comal

System Info: MFG: Brand: Nu Water
Treatment Type: Aerobic With Chlorine Disposal Type: Surface Application Customer ID: 7810
System S/N: 37834 Insp ID: 154824

Visit Details
Visit Date: 2/26/2024 Entered By: Alejandro Gonzalez GPS Lat: 29.87214 GPS Long: -98.27567
Scheduled Date: 3/17/2024 Time In: 10:59am Contract Starts: 11/17/2023
Entered On: 2/26/2024 Time Out: 11:16am Contract Ends: 11/17/2026

Visit Results
Service Type: **Scheduled Inspection**
Count: Inspection 2 of 9
Method: **Grab**
Technician: Alejandro Gonzalez License # MT0000996 Expires 1/31/2025
Provider: Rudy Carson MP0002036 11/30/2025 Service Completed

Aerators: Operational Sludge Level Tank 1: 0"
Filters: Operational Sludge Level Tank 2: 14"
Irrigation Pumps: Operational Sludge Level Tank 3: 10"
Disinfection Device: Operational
Chlorine Supply: Operational Turbidity: Good
Chlorine Residual: 1
Air Filter: Good
Tank Lid / Riser: Secured
Electric Circuits: Operational
Distribution System: Operational
Drip/Sprayfield Veg: Operational
Color: Good
Odor: Good
Alarm: Operational

Comments
- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Cleaned compressor filter - Scum in pretreatment is 1"
Tank 3 has 10" of build up recommend having tank pumped

Provider: *Rudy Carson*
License: Number: MP0002036 Exp: 11/30/2025

Technician: *Alejandro Gonzalez*
License: Number: MT0000996 Exp: 1/31/2025

Block Creek Aerobic Services, LLC

444 A Old Hwy No 9
Comfort, TX 78013

(830) 995-3189

Printed:8/19/2024

Permit: 108633

Site: 102 Ladera Vista, Canyon Lake, TX 78133

Main Phone: 8179097493

Cell Phone: 2147890154

Rick Howard

102 Ladera Vista
Canyon Lake, TX 78133

Agency: Comal County

County: Comal

System Info: MFG: Brand: Nu Water

Treatment Type: Aerobic With Chlorine

Disposal Type: Surface Application

Customer ID: 7810

Insp ID: 161889

System S/N: 37834

Visit Details

Visit Date: **8/19/2024**

Entered By: Nicholas R Zigalo

GPS Lat: 29.87214 GPS Long: -98.27567

Scheduled Date: 7/17/2024

Contract Starts: 11/17/2023

Entered On: 8/19/2024

Contract Ends: 11/17/2026

Visit Results

Service Type: **Scheduled Inspection**

Count: Inspection 3 of 9

Method: **Grab**

Technician: Nicholas R Zigalo

License #

MT0002016

Expires

12/31/2026

Provider: Rudy Carson

MP0002036

11/30/2025

Service Completed

Aerators: Operational

Sludge Level Tank 1: 9

Filters: Operational

Sludge Level Tank 2: 10

Irrigation Pumps: Operational

Sludge Level Tank 3: 3

Disinfection Device: Operational

Chlorine Supply: Operational

Floats: OP

Chlorine Residual: 0.05

Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

- Scum in pretreatment is 1" - Technician Secured the Tank Lid and/or Riser prior to leaving location. - Cleaned compressor filter reattached timer float to pump tree

Provider:

Rudy Carson

Technician: Nicholas R Zigalo

License: Number: MP0002036 Exp: 11/30/2025

License: Number: MT0002016 Exp: 12/31/2026

Block Creek Aerobic Services, LLC

444 A Old Hwy No 9
Comfort, TX 78013

(830) 995-3189

Owner Phone: (817) 909-7493
Cell Phone: (214) 789-0154

Rick Howard
102 Ladera Vista
Canyon Lake, TX 78133

Agency: Comal County
County: Comal

Site Address: 102 Ladera Vista, Canyon Lake Permit #: 108633

System Info: MFG: Brand: Nu Water

Treatment Type: Aerobic With Chlorine Disposal Type: Surface Application

ID: 7810

Insp ID: 167193

System S/N: 37834

Visit Details

Visit Date: 12/9/2024

Entered By: Francisco Ureste

GPS Lat: 29.87214 GPS Long: -98.27567

Scheduled Date: 11/17/2024

Contract Starts: 11/17/2023

Entered On: 12/9/2024

Contract Ends: 11/17/2026

Visit Results

Service Type: Scheduled Inspection

Printed: 12/9/2024

Count: Inspection 4 of 9

Method: Grab

License #

Expires

Technician: Not Assigned

Provider: Rudy Carson

MP0002036

11/30/2025

Service Completed

Aerators: Operational

Sludge Level Tank 1: 14"

Filters: Operational

Sludge Level Tank 2: 0"

Irrigation Pumps: Operational

Sludge Level Tank 3: 2"

Disinfection Device: Operational

Chlorine Supply: Operational

Floats: OP

Chlorine Residual: .13

Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Cleaned compressor filter

Provider:

Rudy Carson

License: Number: MP0002036 Exp: 11/30/2025