



COMAL COUNTY
ENGINEER'S OFFICE

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: **02/07/2020** Permit Number: **106217**

Location Description: 30989 BECK RD
BULVERDE, TX 78163
Subdivision: Beck Ranch
Unit: 1
Lot: 4
Block:
Acreage:

Type of System: Aerobic
Surface Irrigation

Issued to: Todd & Ashley Knutson

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

 **OS8497**
ENVIRONMENTAL HEALTH INSPECTOR


ENVIRONMENTAL HEALTH COORDINATOR
OS0007722

Sanford County Environmental Health
 OSSF Inspection Sheet

Installer Name: MJ Septic / Mike Long OSSF Installer #: 050023596
 1st Inspection Date: 10/22/18 2nd Inspection Date: 3/25/19 3rd Inspection Date: _____
 Inspector Name: Mike T. Inspector Name: Mike T. Inspector Name: _____
 Permit #: 106217 Address: Beck Ranch / 30929 Beck Rd

1							
2							
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 Grease Interceptors if required for commercial		285.34(d)				

MT- 10/22/18
 Tank set only, leveled

MT- 3/25/19
 operational & covered, need to have tight main house installed. Change personal shop

MT- 10/18/19
 still no house built living in house.

**Comal County Environmental Health
OSSF Inspection Sheet**

8	SEPTIC TANK Tanked Clearly Marked SEPTIC TANK W/ Flowline, 2 Components Provided with SEPTIC TANK Inlet Flowline Greater than 1" and "Y" 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) 285.32(b)(1)(E)(IV)(I) 285.32(b)(1)(E)(I) 285.32(b)(1)(D) 285.32(b)(1)(C)(II) 285.32(b)(1)(C)(I) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(IV)				
9	ALL TANKS installed on 4" Sand Cushion/ Proper Backfill Used	285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)				
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped	285.38(d)				
11	SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions	285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed					
13	PUMP TANK Volume Installed					
14			60/60 - 500	10/25/19		
15			Profile	10/25/19		
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**

Item	Description	Code	Pass	1st Pass	2nd Pass
19					
20	DISPOSAL SYSTEM Soil Substitution	285.33(d)(4)			
21					
22	DISPOSAL SYSTEM Gravelless Pipe	285.33(a)(3) 285.33(a)(2) 285.33(a)(4) 285.33(a)(1)			
23					
24	DISPOSAL SYSTEM Other (describe) (Approved Design)	285.33(d)(6) 285.33(c)(4)			
25					
26					
27	DISPOSAL SYSTEM Other (describe) (Approved Design)	285.33(d)(6) 285.33(c)(4)			
28					
29	DISPOSAL SYSTEM Other (describe) (Approved Design)	285.33(d)(6) 285.33(c)(4)			
30	DISPOSAL SYSTEM Other (describe) (Approved Design)	285.33(d)(6) 285.33(c)(4)			
31	LOW PRESSURE DISPOSAL SYSTEM Adequate Trench Length & Width, and Adequate Separation Distance between Trenches	285.33(d)(1)(CXII)			

**Comal County Environmental Health
OSSF Inspection Sheet**

Item	Code	Description	Findings	Date	Inspector	Notes
<p>EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling</p> <p>EFFLUENT DISPOSAL SYSTEM Topographic Slopes</p> <p>< 2.0% EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field (1000 Linear ft. for 3 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 respectively</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>				
<p>32</p> <p>33</p> <p>34</p> <p>35</p>					<p>2/25/19</p>	
<p>36</p> <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>						
<p>37</p> <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>						
<p>38</p> <p>PUMP TANK Secondary restraint system provided</p>						

Comal County Environmental Health
OSSF Inspection Sheet

* Please Take Detailed Notes on all Inspection Items / Violations Found	✓			3/25/19	
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**Comal County Environmental Health
OSSF Inspection Sheet**

Item	Code	Description	Findings	Pass/Fail	Date	Inspector
40		APPLICATION AREA Line Area Shallow Well / Transfer to Application Area, with a depth of at least 18" or Application Area The Existing Tank as Displayed	<p>APPLICATION AREA LINE AREA SHALLOW WELL / TRANSFER TO APPLICATION AREA 200.000000(2)(4)(I) 200.000000(2)(4)(II) 200.000000(2)(4)(III) 200.000000(2)(4)(IV) 200.000000(2)(4)(V)</p>		3/25/19	
41		APPLICATION AREA Area installed	<p>APPLICATION AREA AREA 200.000000(2)(4)(I) 200.000000(2)(4)(II) 200.000000(2)(4)(III)</p>			
42		PUMP TANK Meets Minimum Reserve Capacity Requirements				
43		PUMP TANK Material Type & Manufacturer				
44		PUMP TANK Type/Size of Pump Installed				
45						

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: MJ Septic / Mike Long OSSF Installer #: 050023596
 1st Inspection Date: 10/22/18 2nd Inspection Date: 3/25/19 3rd Inspection Date: _____
 Inspector Name: Mike T. Inspector Name: Mike T. Inspector Name: _____
 Permit #: 106217 Address: Beck Ranch / 30929 Beck Rd.

No.	Description	Answer	Code	Notes	1st Insp.	2nd Insp.	3rd Insp.
1	PIPE AND SOIL CONDITIONS A CHECK DISTANCE TO AND SOIL CONDITIONS COMPATIBLE WITH SOLIDIFIED SEWAGE DISPOSAL	✓	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) 285.30(b)(1)(A)(viii)		10/22/18	3/25/19	
2	PIPE AND SOIL CONDITIONS B CHECK DISTANCE TO AND SOIL CONDITIONS COMPATIBLE WITH SOLIDIFIED SEWAGE DISPOSAL	✓	285.31(b) 285.30(b)(1) 285.31(a)				
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 Tanks Meet Minimum Requirements		285.32(b)(1)(G); 285.32(b)(1) (E)(B) 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- 10/22/18
Tank set only, leveled

MT- 3/25/19
operational ✓
covered, need
to have tight main
house installed.
Change personal shop
to R.V. on design.

**Comal County Environmental Health
OSSF Inspection Sheet**

Item	Description	Code	Notes	Set Date	Exp Date	Pass
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 "Y" Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements	285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(III) 285.32(b)(1)(E)(II)(II) 285.32(b)(1)(E)(II)(I) 285.32(b)(1)(E)(I) 285.32(b)(1)(D) 285.32(b)(1)(C)(II) 285.32(b)(1)(C)(I) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(IV)				
9	ALL TANKS installed on 4" Sand Cushion/ Proper Backfill Used	285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)				
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped	285.30(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		50/60 - 600	10/20/18	3/25/19	
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number		Pro 1/0	10/22/18		
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**

	Absemp	Options	Notes	Lab Insp.	Lead Insp.	SPR Insp.
19	DISPOSAL SYSTEM	285.33(d)(1) 285.33(d)(3) 285.33(d)(4) 285.33(d)(2)				
20	DISPOSAL SYSTEM Soil Substitution	285.33(d)(4)				
21	DISPOSAL SYSTEM Pumped	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 Allowed	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 Pipe Installation					
27	DRAINFIELD Level to within 1/8 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**

	Aspects	Criteria	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</p> <p>< 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)</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 Approved with Electrical Arranging to Approved Standards</p>	✓	285.33(3)(1)		3/25/19		
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>						

Comal County Environmental Health
OSSF Inspection Sheet

PUMP TANK Electrical Connections in Approved Condition Tanks / Wiring Buried	✓			3/25/19	
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**Comal County Environmental Health
OSSF Inspection Sheet**

	Inspection	Reference	Checklist	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Low Angle Mowder Used / Pressure Is As Required? APPLICATION AREA Accessible Area, within 20' R of sprinkler head? APPLICATION AREA The Landscape Plan Is as Designed?	✓	285.33(d)(1)(G)(i)(ii)(iii)(iv) 285.33(d)(1)(G)(ii) 285.33(d)(1)(G)(iv) 285.33(d)(1)(G)(i) 285.33(d)(1)(G)(ii) 285.33(d)(1)(G)(iii)			3/25/19	
41	APPLICATION AREA Area Installed?	✓	285.33(d)(2)(G)(i) 285.33(d)(2)(H) 285.33(d)(1)(v)				
42	PUMP TANK Meets Minimum Reserve Capacity Requirements						
43	PUMP TANK Material Type & Manufacturer						
44	PUMP TANK Type/Size of Pump Installed						
45							

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: M.J. Septic/mike Long OSSF Installer #: _____

1st Inspection Date: 10/22/18 2nd Inspection Date: _____ 3rd Inspection Date: _____

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

Permit#: 106217 Address: Beck Ranch / 30929 Beck Rd.

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)		10/22/18		
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 (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-10/22/18
Tank set only, leveled

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK if Single Tank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and "T" Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(ii)(ii) 285.32(b)(1)(E)(ii)(i) 285.32(b)(1)(E)(i) 285.32(b)(1)(D) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(i) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(iv)				
9	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used		285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)				
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
11	SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed						
13	PUMP TANK Volume Installed						
14	AEROBIC TREATMENT UNIT Size Installed	/		50/60 - 600	10/22/18		
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	/		PROFLO	10/22/18		
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)				
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.
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 Unit Installed According to Approved Guidelines.</p>		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	<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>						

Comal County Environmental Health
OSSF Inspection Sheet

39	PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried						
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**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)(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 Environmental Health OSSF Inspection Sheet

Installer Name: MJ Septic/mike Long OSSF Installer #: _____

1st Inspection Date: 10/22/18 2nd Inspection Date: _____ 3rd Inspection Date: _____

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

Permit#: 106217 Address: Beck Ranch / 30929 Beck Rd.

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)		10/22/18		
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- 10/22/18

Tank set only, leveled

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If Single Tank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(I) 285.32(b)(1)(E)(i) 285.32(b)(1)(D) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(i) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(iv)				
9	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used		285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)				
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
11	SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed						
13	PUMP TANK Volume Installed						
14	AEROBIC TREATMENT UNIT Size Installed	✓		50/60 - 600	10/22/18		
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	✓		PROF10	10/22/18		
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)				
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**

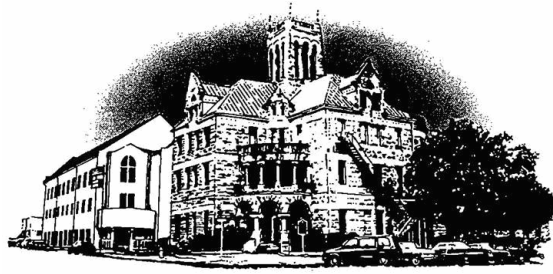
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
32	<p>EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling</p> <p>EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0%</p> <p>EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field (1000 Linear ft. for 2 bedrooms or Less & 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 Unit Installed According to Approved Guidelines.</p>		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	<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>						

Comal County Environmental Health
OSSF Inspection Sheet

39	PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried								
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**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: 106217
Issued This Date: 10/11/2018
This permit is hereby given to: Todd & Ashley Knutson

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

30989 BECK RD
BULVERDE, TX 78163

Subdivision: Beck Ranch
Unit: 1
Lot: 4
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.

REVISED
2:47 pm, Feb 07, 2020

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

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

Date 3/17/17 Permit # 106717

Owner Name Todd Kunkin and Ashley Kunkin Agent Name Hest Seidenstein
Mailing Address 4512 Union Creek Dr. Agent Address _____
City, State, Zip Schertz TX 78154 City, State, Zip _____
Phone # 972-623-2616 Phone # 210 442 6632
Email _____ Email _____

All correspondence should be sent to: Owner Agent Both Method: Mail Email

Subdivision Name Beck Ranch Subdivision Unit 1 Lot 4 Block _____
Acreage/Legal 6.5 ac Lot 4 Beck Ranch Subd - 5.5 ac 1
Street Name/Address 30929 Beck Rd City Bolander Zip 78163

Type of Development:

Single Family Residential
Type of Construction (House, Mobile, RV, Etc.) RV
Number of Bedrooms 4 in house ~~4~~ 40 GPD
Indicate Sq Ft of Living Area 3600 sq ft in house ~~3600~~ 400 GPD
 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 _____

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2-7-2020
HJ

Estimated Cost of Construction: \$ 400,000 (Structure Only)

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

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

Source of Water Public Private Well

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

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.

Signature of Owner [Signature] Date 3/17/17

***** 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 Hoyt Seidenstide

System Description Aerobic with Spray Distribution

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

Tank Size(s) (Gallons) 600 GPD Absorption/Application Area (Sq Ft) 6430.72

Gallons Per Day (As Per TCEQ Table III) 400

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

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

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

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

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

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

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

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

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

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

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

(If yes, the R.S. or P.E. 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: _____

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 Hoyt Seidenstide Date 9-9-19

Aerobic Maintenance by Carl Eoff Services

420 Bear Creek Drive, New Braunfels, Tx. 78132
210-669-6088

Service Agreement

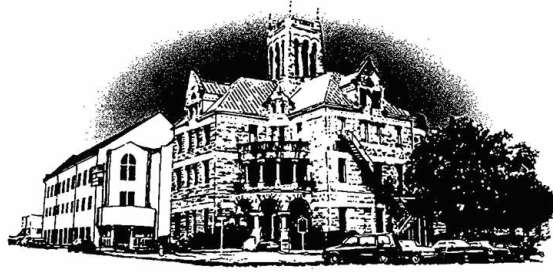
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COUNTY ENGINEER

- I. **General:** This work for Hire Agreement (hereinafter referred to as "Agreement") is entered into by and between Todd Knutson, (hereinafter referred to as "Client") and Carl W. Eoff (hereinafter referred to as "Contractor"). By this Agreement, Contractor agrees to render services, as described herein, and the Client agrees to fulfill his/her/their responsibilities under this agreement as described herein.
- II. **Effective Dates:** This Agreement commences on receipt of full payment and runs for 2 years.
Agreement: Starting Date: (4/1/17) **Ending Date:** (4/1/19).
- III. **Services by Contractor:** Contractor will provide the following services (hereinafter referred to as the "Services"):
1. In compliance with Agency (TCEQ and/or County) and manufacturer's requirements, inspect and perform routine maintenance on the On-Site Sewage Facility (hereinafter referred to as the "OSSF") three (3) times per year (approximately once every four (4) months).
 2. Report to the appropriate regulatory authority and to the Client, as is required by both the State's on-site rules and local Agency's rules, if more stringent. All findings must be reported to the local agency within 14 days.
 3. If any components of the OSSF are found to be in need of repair during the inspection, the Contractor will notify the Client of the repairs needed.
 4. Visit site in response to Client's request (s) for unscheduled service(s) within two business days from the date of Contractor's receipt of Client's request. All unscheduled responses are in addition to the fee covered by this Agreement and will be billed to the Client.
 5. Provide notification of arrival to site to the homeowner or to site personnel. Additionally, written notification of the visit will be left at the site or with site personnel upon completion of inspection, as well as, forwarded to Agency within 14 days.
- IV. **Site Location:** The Services are to be performed at the property located at:
30989 Beck Rd, Bloerdc, Texas.
- V. **Payment(s):** The fee for this Agreement, _____, only covers the Services described herein. This fee does not cover equipment, parts or labor supplied for repairs or charges for unscheduled Client-requested trips to the site. By signing this Contract, the Client is authorizing the Contractor to remove any parts which were installed but not paid for at the end of 30 days. The Client is still responsible for any labor costs associated with the installation and remove of said parts.
- VI. **Client's Responsibilities:** The Client is responsible for each and all of the following:
1. Maintain chlorinator and provide proper chlorine supply, if OSSF is equipped with same.
 2. Provide all necessary yard or lawn maintenance and removal of obstacles as needed to allow the OSSF to function properly, and to allow Contractor easy access to all parts of the OSSF.
 3. Immediately notify Contractor and Agency of any and all problems with, including failure of the OSSF.
 4. Upon receiving a written notification of services needed from the Contractor, it becomes the Client's responsibility to contact the Contractor to authorize the service. If the Client chooses to use a different contractor to perform the service, the Client is responsible for ensuring the Contractor holds the proper license (Installer II, Maintenance provider) and is certified by the manufacturer. Also, the Client is responsible for ensuring proper notification is given to the Agency, as required by the State and local Agency rules.
 5. Clients residing in Comal County should allow for samples at both the inlet and outlet to the OSSF to be obtained by the Contractor for the purpose of evaluating, the OSSF's performance when requested by

Initials: Client: JK Contractor: _____



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: 106217
Issued This Date: 07/27/2017
This permit is hereby given to: Todd & Ashley Knutson

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

30989 BECK RD
BULVERDE, TX 78163

Subdivision: Beck Ranch
Unit: 1
Lot: 4
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

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COUNTY ENGINEER

Items	Date Received
	Initials

106217
Permit Number

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]
Signature of Applicant

3/17/17
Date

___ COMPLETE APPLICATION	
Check No. _____	Receipt No. _____

___ INCOMPLETE APPLICATION
(Missing Items Circled, Application Refused)

the Client. If these samples are sent to the lab for testing, the Client will directly pay the lab for the cost of the Testing plus pay the Contractor for all man-hours expended in providing this additional service at the rate of \$75.00 per hour.

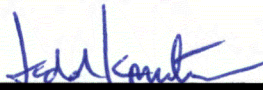
6. Not allow the backwash from water treatment or water conditioning equipment to enter the OSSF.
7. Maintain site drainage to prevent adverse effects on OSSF.
8. Promptly and fully pay Contractor's bills, fees, or invoices as described herein.

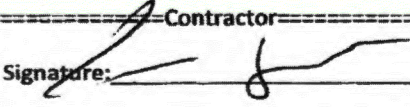
VII. **Access by Contractor:** Contractor, or personnel authorized by the Contractor, may enter the property at reasonable times without prior notice for the purpose of performing the above-described Services. Contractor will require access to the OSSF electrical and physical components, including tanks, by means of manways or risers for the purpose of evaluations required by manufacturer, and/or rules. If such manways or risers are not in place, excavation together with other labor and materials will be required, and will be billed to Client as an additional service at the rate of \$75.00 per hour, plus materials billed also. Excavated soil is to be replaced as best as reasonably possible.

VIII. **Limits of Liability:** In no event shall the Contractor be liable for indirect, consequential, incidental or punitive damages, whether in contract tort or any other theory. In no event shall the Contractor's liability for direct damages exceed the price for the Services described in this Agreement.

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

Client and/or authorized agent:

Print Name: Todd Knutson Signature: 
Date: 3/17/17 Email address: [REDACTED]
Physical Address: 4512 Union Creek Dr. Schertz, Texas (Zip) 78154
Mailing Address: same as above, Texas (Zip) _____
Phone Numbers:
Home: () - - Work: (210) 945-7400 Cell: (972) 623-8696 Fax: () - -

----- Contractor -----
Signature:  Date: _____
Carl W Eoff
Bear Creek Drive
New Braunfels, Texas 78132
Cell: 210-669-6088
Office: 210-609-6631
Fax: 210-609-6631

- Certification held by Carl W. Eoff:
- Installer II License #: OS0029546
 - OSSF Maintenance Provider #: MP0001745

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1/cb

Affidavit to the Public

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COUNTY ENGINEER

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 (OSSFs), 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 (commission) 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

Lot 4, Beck Ranch Subdivision I

The property is owned by Todd & ~~Atty~~ Knutson

This OSSF must be covered by a continuous service policy 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.

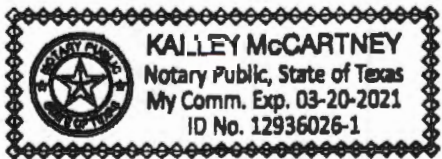
Upon sale or transfer of the above-described property, the permit for the OSSF shall be transferred to the buyer or new owner. A copy of the planning materials for the OSSF may be obtained from (Todd Knutson).

IN WITNESS WHEREOF (s)he has hereto set his/her hand.

Signature Todd Knutson
Print Name Todd Knutson

I hereby certify that Todd Knutson, known to me to be the affiant in the foregoing affidavit, personally appeared before me this day and having been by me duly sworn deposes and says that the facts set forth in the above affidavit are true and correct

WITNESS MY HAND AND OFFICIAL SEAL THIS THE 21st DAY OF March, 2017.



Kalley McCartney
Notary Public, State of Texas
My Commission Expires: 3-20-2021

Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
04/24/2017 12:24:35 PM
LAURA 1 Page(s)
201706021930

ON-SITE SEWAGE FACILITY Soil Evaluation Report Information

Date Soil Survey Performed: 3/17/2017

Site Location: 30989 Beck Road

Name of Site Evaluator: Hoyt Seidensticker Registration Number: OS0008771

Proposed Excavation Depth: n/a County: Comal

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Requirements:

At least two soil excavations must be performed on the site, at opposite ends of the proposed disposal area.
Location of soil boring or dug pits must be shown on the site drawing.
For subsurface disposal, soil evaluation 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 feature on the form. Indicate depths where features appear.

Soil Boring Number <u>1</u>						
Depth (feet)	Texture Class	Soil Structure	Gravel Analysis	Drainage (Redox Features/ Water Table)	Restrictive Horizon	Observations (color, consistence)
0	III	Clay loam	<30%	none		Brown
1 <u>12 in</u>	III	Clay loam	<30%			cream
2 <u>24 in</u>		rock			yes, rock	
3						
4						
5						

Soil Boring Number <u>2</u>						
Depth (feet)	Texture Class	Soil Structure	Gravel Analysis	Drainage (Redox Features/ Water Table)	Restrictive Horizon	Observations (color, consistence)
0	III	Clay loam	<30%	none		Brown
1 <u>12 in</u>	III	Clay loam	<30%			cream
2 <u>24 in</u>		rock			yes, rock	
3						
4						
5						

Features of Site Area

- Presence of 100 year flood zone Yes ___ No X
- Presence of adjacent ponds, streams, water improvements Yes ___ No X
- Existing or proposed water well in nearby area Yes X No ___
- Organized sewage service available to lot or tract Yes ___ No X
- Recharge feature within 150 feet Yes ___ No X

By my signature, I hereby certify that the information provided in this report is based on my site observations and are accurate to the best of my ability.

I understand that any misrepresentation of the information contained in this report may be grounds to revoke or suspend my license. The site evaluation

determined the site is suitable for a Spray Distribution disposal system with Aerobic treatment

According to table XIII, the site is suitable for this proposed system. A copy of Table XIII has been given to the property owner to inform them of

other alternatives based upon the result of this site evaluation

Hoyt Seidensticker
Signature of Site Evaluator

7-14-17
Date

ON-SITE SEWAGE FACILITY
Site Evaluation Report Information

RECEIVED

JUL 17 2017

Date: 7/1/2017

Site Evaluator Information:

Applicant Information:

Name: Todd and Ashley Knutson

Name: Hoyt Seidensticker

Address: 4512 Unison Creek Drive

license OS0008771

Expires 8/31/2020
COUNTY: SMITH
ENGINEER

City: Schertz State: Texas Zip 78154

Company: Land Stewardship Services, LLC

Phone: 972-623-8696

Address: 1822 FM 473

City: Boerne State: Texas Zip: 78006

Phone: (210) 414-6603 Fax: (830) 336-4697

Property Location:

Lot: 4 Block: _____ Sub.: Beck Ranch Subdivision 1

Installer information:

Street/Road Address: 30989 Beck road

Name: Carl Eoff OS0029546

City: Bulverde State: Texas Zip: 78163

Company: Carl Eoff Services

Unincorporated Area? Y or N y

Address: 420 Bear Creek Road

Additional information _____

City: New Braunfels State: Texas Zip: 78132

Phone: (210) 669-6088 Fax: _____

Schematic of Lot or Tract

Show:

Compass North, adjacent streets, property lines, property lines, property dimensions, location of buildings, easements, water lines, and other surface improvements where known (drainage, patios, sidewalks).

Location of existing or proposed water wells within 150 feet of property.

Indicate slope or show contour lines from the structure to the farthest location of the proposed soil absorption or irrigation area.

Location of soil borings or dug pits (show location with respect to a known reference point).

Location of natural, constructed, or proposed drainage ways, (streams, ponds, lakes, rivers,

high tide of salt water bodies) water impoundments areas, cut or fill bank, sharp slopes and breaks.

SITE DRAWING

Lot Size: _____ acres

SEE ATTACHED

Signature of Site Evaluator



Site Evaluator License No: OS0008771

106217

9/7/2019
9:28 PM
Aerobic with Spray
Distribution System

ON-SITE SEWAGE FACILITY DESIGN CRITERIA

Todd And Ashley Knutson

REVISED
2:16 pm, Feb 06, 2020

Property Information:

St. Address: 30989 Beck Road
City: Bulverde State: Texas
Zip code: 78163

House Information RV

No. of Bedrooms: 4
Sq. footage (Approx.): 3600
gallons per day: 40 360
Water Supply: well

Predicted Quantity of Sewage (Q)

Water Saving Devises in Home (y/n): yes
Gallons/day (Q): 400
Greywater included (yes/no): yes

Supply Line from House

Length of supply line (approx. ft): 119
Type of supply line: SCH 40 PVC
Size of Supply line (in): 3 or 4

Rate of Adsorption (Ra)

Application rate (g/sq. ft): 0.064
Minimum Adsorptive Area (sq. ft.): 6250

Supply Line For Spray Irrigation System

Length of supply line (approx. ft): 79
Type of supply line: SCH 40 PVC
Size of supply line (in): 1

Aerobic Unit

Required size of aerobic unit: 600 gpd
Pretreatment Tank (gallons): 397
Class 1 Aerobic Unit: ProFlo 5060HCSP
Pump tank total capacity (gal): 768
Chlorination: Liquid installed in Tank
Pump Switch operation: Float system
Dosing cycle quantity (gals): Varied
Cycling time: night time
Pump size and capacity: Sta-rite plus D series 20 gpm

Disposal Area per this System

$$\pi (32)^2 = 3215.36$$
$$\pi (32)^2 = 3215.36$$
$$=$$
$$=$$

Total irrigated area (sq. ft.): 6430.72

All design criteria is in accordance with TCEQ, Title 30, TAC Chapter 285, Subchapter D, On-Site Sewage Facilities (Effective December 27, 2012). The above design was based on the best available information and should function properly under normal operating conditions. All changes or modifications made to design must be approved by the below signed designer.

Hoyt Seidensticker

9-9-19

Hoyt Seidensticker, R.S. No. 3588
Land Stewardship Services, LLC, 27115 Bent Trail, Boerne, Texas 78006
Cell (210) 414-6603,



Effective Immediately: If any change(s) are made that require a revision to this design, a \$150.00 fee will be assessed. This includes, but not limited to, change(s) in the house size, number of bedrooms, location of house or one type of system to another.

9/7/2019
9:28 PM
Aerobic with Spray
Distribution System

ON-SITE SEWAGE FACILITY DESIGN CRITERIA

Todd And Ashley Knutson

REVISED
2:16 pm, Feb 06, 2020

Head Pressure

Elevation Head: 4
Pressure Head: 92
Friction Head: 3.16
Total head: 99.16

Sprinkler Head Information

K-Rain sprinkler head PROPLUS,
low angle nozzle
No. 3 @40psi GPM: 3.1
Number of sprinkler heads: 2
Gallons per minute: 6.2

A class 1 aerobic wastewater treatment unit, chlorination and spray distribution system will be designed for this location. Wastewater from the residence will flow to a pretreatment/trash tank, then to the treatment unit. Treated effluent will be disinfected by a Chlorination Station 200-1500 Unit in the pump tank, before being disposed of through above ground sprinkler heads. All warning systems shall be installed with the aerobic unit

Land acceptable for surface application shall have a flat terrain (with less than or equal to 15% slope). Sloped land (with greater than 15% slope) may be acceptable if it is properly landscaped and terraced to minimize runoff. There shall be nothing in the surface application area within ten feet of the sprinkler which would interfere with the uniform application of the effluent.

Areas that rock is exposed must be covered with a suitable amount of material acceptable to the inspecting authority. Areas that are bare or have been disturbed must be seeded or sodded with a mixture of rye and bermuda grasses or other grass species prior to system operation.

A maintenance contract for the entire system must be established at time of installation with someone holding a license to maintain the installed aerobic system.

At every inspection a Total Chlorine Residual test must be conducted and must be a minimum acceptable test of .1 mg/l residual in Pump Tank.

All design criteria is in accordance with TCEQ, Title 30, TAC Chapter 285, Subchapter D, On-Site Sewage Facilities (Effective December 27, 2012). The above design was based on the best available information and should function properly under normal operating conditions. All changes or modifications made to design must be approved by the below signed designer.



Hoyt Seidensticker, R.S. No. 3588
Land Stewardship Services, LLC, 27115 Bent Trail, Boerne, Texas 78006
Cell (210) 414-6603,

9-19-19

Date



Scale 1" = 100'



This design complies with all provisions of the existing Edwards Contributing Zone Plan and there is not a recharge feature within 150' of the proposed septic system.

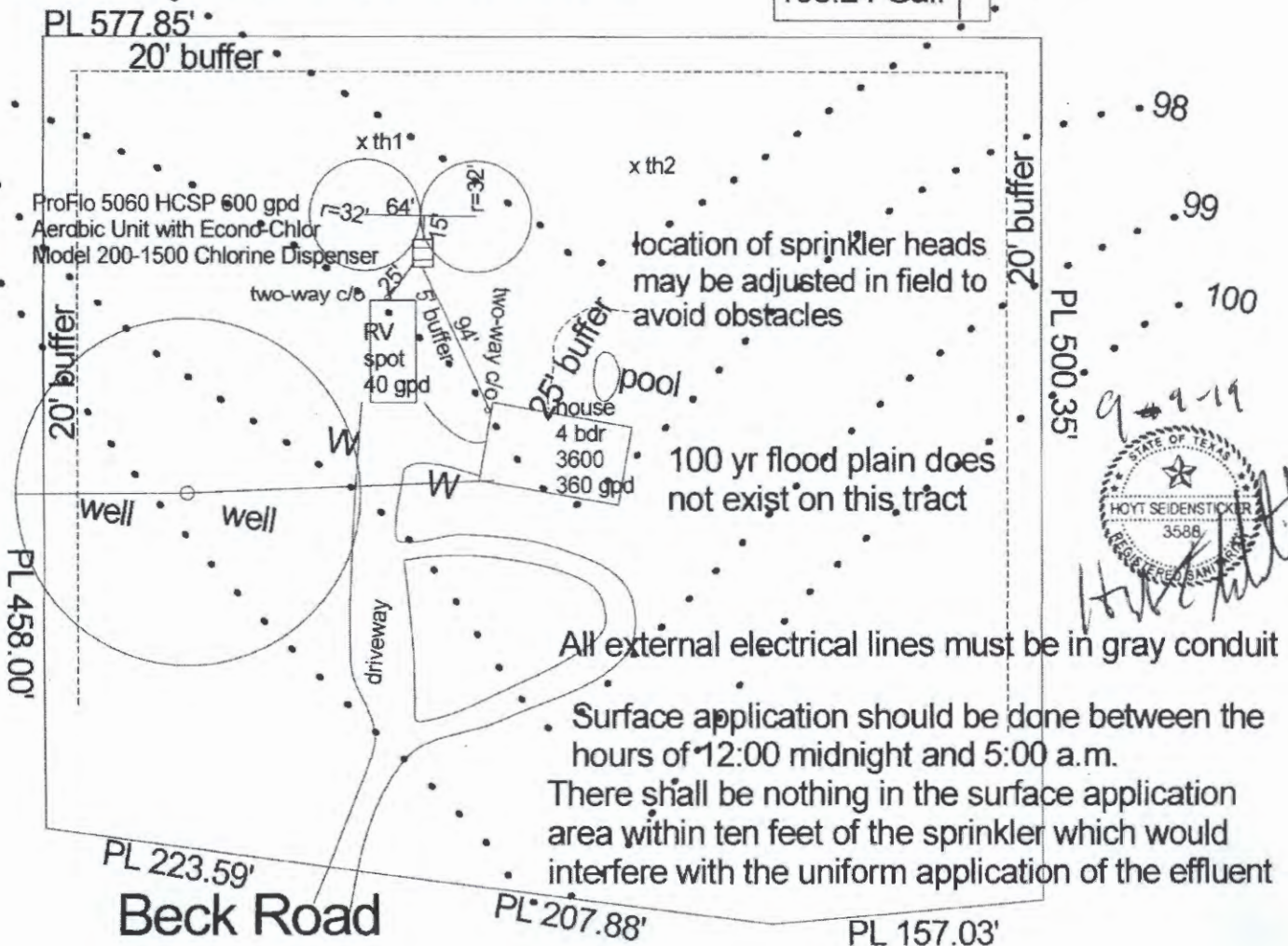
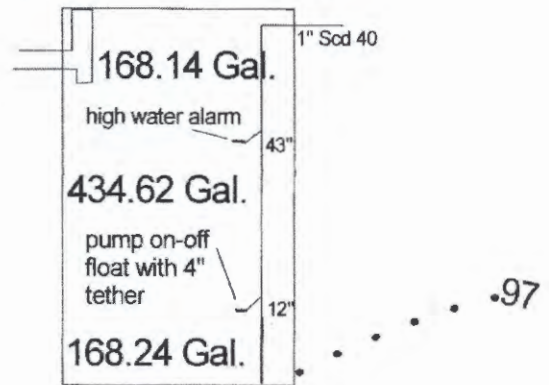
Areas that rock is exposed must be covered with a suitable amount of material. Areas that are bare or have been disturbed must be sodded with a mixture of rye and bermuda grasses or other grass species prior to system operation.

Risers must be permanently fastened to the tank lid or cast into the tank. The connection between the riser and the tank lid must be watertight. Risers must be fitted with removable watertight caps and protected against unauthorized intrusions by either a padlock, a cover that can be removed with specialized tools, a cover having a minimum net weight of 29.5 kilograms (65 pounds) set into a recess of the tank lid, or any other means approved by the executive director.

Land acceptable for surface application shall have a flat terrain (less than to equal to 15% slope). Sloped land (with greater than 15% slope) may be acceptable if it is properly landscaped and terraced to minimize runoff.

Site Map
Aerobic with Spray Distribution System
Todd and Ashley Knutson
Lot 4, Beck Ranch, Unit 1
30989 Beck Road
Bulverde, Texas 78163
Comal County

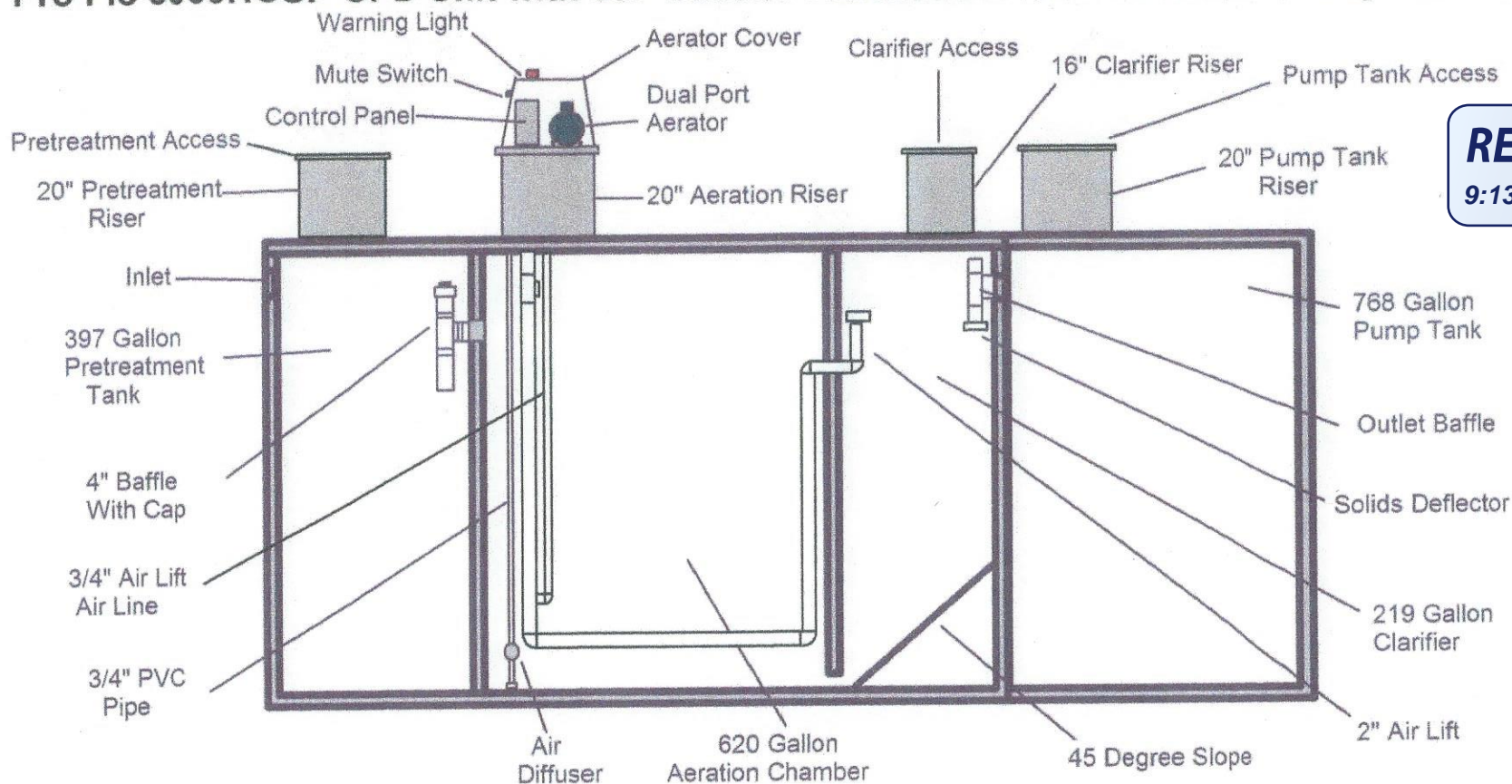
REVISED
 2:16 pm, Feb 06, 2020



9-9-19

 Hoyt Seidensticker

Pro Flo 5060HCSP GPD Unit with 397 Gallon Pretreatment and 768 Gallon Pump Tank Affixed



REVISED
9:13 am, Oct 22, 2018

All Gallonage Approximate
Drawing Not to Scale
Configuration May Vary

Note: Unit Tested Did Not Have
Affixed Pretreatment or Pump
Tank

Note: If the wall between the clarifier and
aeration chamber is a drop in wall, the
thickness shall be 2-1/2"

Overall Length - Top 159" Bottom 155"
Overall Width - Top 68" Bottom 64"
Height Without Risers - 71"
Exterior Wall Thickness - 3"
Interior Wall Thickness - Top 2" Bottom 3"
Top & Bottom Thickness - Top 5" Bottom 3"
Pretreatment Length - Top 29-1/4" Bottom 26-3/4"
Aeration Length - Top 44" Bottom 43"
Clarifier Length - Top 18-1/2" Bottom 17-1/2"
Pump Tank Length - Top 55-1/4" Bottom 52-3/4"
Water Level - 55"
Air Diffuser - 27"
Bottom of Inlet to Bottom of Tank - 60-1/2"
Total Tank Weight (Empty) - 17,710#*
(*actual scaled weight)

Pro Flo 5060HCSP

Revised 7/19/13 5060HCSP.KEY

E-Series

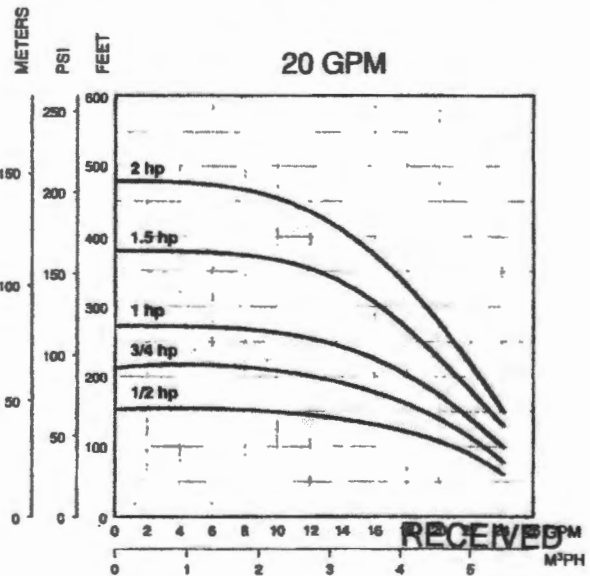
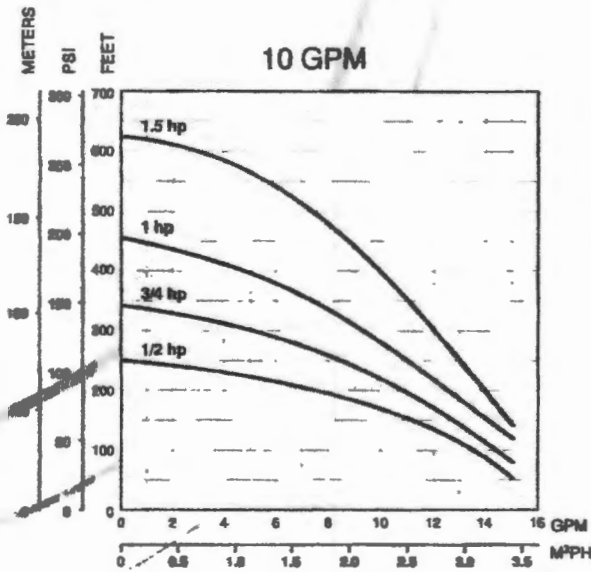
FPS

Environmental Series Pumps

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JUL 17 2017

COUNTY ENGINEER

Thermoplastic Performance



RECEIVED
NOV 17 2016

Thermoplastic Units Ordering Information

COUNTY ENGINEER

1/2 - 1.5 HP Single-Phase Units

Order No.	Model	GPM	HP	Volt	Wire	Wt.
94741005	10FE05P4-2W115	10	1/2	115	2	24
94741010	10FE05P4-2W230	10	1/2	230	2	24
94741015	10FE07P4-2W230	10	3/4	230	2	28
94741020	10FE1P4-2W230	10	1	230	2	31
94741025	10FE15P4-2W230	10	1.5	230	2	46
94742005	20FE05P4-2W115	20	1/2	115	2	25
94742010	20FE05P4-2W230	20	1/2	230	2	25
94742015	20FE07P4-2W230	20	3/4	230	2	28
94742020	20FE1P4-2W230	20	1	230	2	31
94742025	20FE15P4-2W230	20	1.5	230	2	40

Thermoplastic 1/2 - 2 HP Three-Phase

Order No.	Model	GPM	HP	Volt	Wire	Wt.
94751005	10FE05P4-PE	10	1/2	N/A	N/A	6
94751010	10FE07P4-PE	10	3/4	N/A	N/A	7
94751015	10FE1P4-PE	10	1	N/A	N/A	8
94751020	10FE15P4-PE	10	1.5	N/A	N/A	12
94752005	20FE05P4-PE	20	1/2	N/A	N/A	6
94752010	20FE07P4-PE	20	3/4	N/A	N/A	7
94752015	20FE1P4-PE	20	1	N/A	N/A	8
94752020	20FE15P4-PE	20	1.5	N/A	N/A	12
94752025	20FE2P4-PE	20	2	N/A	N/A	11

PROPLUS™

The PROPLUS™ adjustable arc and full-circle gear driven rotor comes standard with nine numerically coded interchangeable nozzles. Excellent nozzle performance delivers an exceptional fall out pattern. In independent testing by C.I.T., the PROPLUS™ delivered up to 90% uniform coverage.

Also Available: 12" High Pop, Shrub Head and Reclaimed Water models.

Tough, proven and advanced, the PROPLUS™ is the leader in it's class. Set it and forget it. Arc Memory Clutch returns the rotor to its preset position. Technology works for you.

MODELS

- 11003 ProPlus
- 11003-HP ProPlus 12" High Pop
- 11003-SH ProPlus Shrub Head

OTHER OPTIONS: ADD TO PART NUMBER

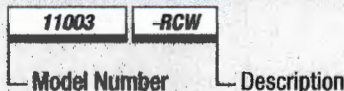
- CV Check Valve
- LA Low Angle Nozzle
- NN No Nozzle
- RCW ProPlus for Reclaimed Water w/Low Angle Nozzle

EASY ARC SETTING

Arc Selection 40° to Continuous 360°
Adjust From Left Start



HOW TO SPECIFY



K-Rain Manufacturing Corp.
1640 Australian Avenue
Riviera Beach, FL 33404 USA
+1 561 844-1002
FAX: +1 561 842-9493
1.800.735.7246 | www.krain.com

SPECIFICATIONS

- ▶ Inlet: 3/4" Threaded NPT
- ▶ Arc Adjustment Range: 40° to Continuous 360°
- ▶ Flow Range: .5 - 10.0 GPM
- ▶ Pressure Rating: 20 - 70 PSI
- ▶ Precipitation Rate: .06 to .50 Inches Per Hour (Depending on Spacing and Nozzle Used)
- ▶ Overall Height (Popped Down): 7 1/2" / 17" for High Pop
- ▶ Recommended Spacing: 28' to 44'
- ▶ Radius: 22' to 50'
- ▶ Nozzle Trajectory: 16°
- ▶ Low Angle Nozzle Trajectory: 12°
- ▶ Standard and Low Angle Nozzle: Included
- ▶ Riser Height: 5"

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PERFORMANCE DATA

PERFORMANCE				
NOZZLES	PRESSURE PSI	RADIUS FT.	FLOW GPM	
#0.5	30	28'	.5	
	40	29'	.6	
	50	29'	.7	
	60	30'	.8	
#0.75	30	29'	.7	
	40	30'	.8	
	50	31'	.9	
	60	32'	1.0	
#1	30	32'	1.3	
	40	33'	1.5	
	50	34'	1.6	
	60	35'	1.8	
#2	30	37'	2.4	
	40	40'	2.5	
	50	42'	3.0	
	60	43'	3.3	
#2.5	30	38'	2.5	
	PRE-INSTALLED	40	39'	2.8
	50	40'	3.2	
	60	41'	3.5	
#3	30	38'	3.6	
	40	39'	4.2	
	50	41'	4.6	
	60	42'	5.0	
#4	30	43'	4.4	
	40	44'	5.1	
	50	46'	5.6	
	60	49'	5.9	
#6	40	45'	5.9	
	50	46'	6.0	
	60	48'	6.3	
	70	49'	6.7	
#8	40	42'	8.0	
	50	45'	8.5	
	60	49'	9.5	
	70	50'	10.0	

METRIC					
NOZZLES	PRESSURE KPA	RADIUS METERS	FLOW L/M	FLOW M ³ /H	
#0.5	206	2.0	8.5	1.89	
	275	3.0	8.8	2.27	
	345	3.5	8.8	2.65	
	413	4.0	9.1	3.03	
#0.75	206	2.0	8.8	2.65	
	275	3.0	9.1	3.03	
	345	3.5	9.4	3.41	
	413	4.0	9.8	3.79	
#1	206	2.0	9.8	4.92	
	275	3.0	10.1	5.68	
	345	3.5	10.4	6.05	
	413	4.0	10.7	6.81	
#2	206	2.0	11.3	9.08	
	275	3.0	12.2	9.46	
	345	3.5	12.8	11.35	
	413	4.0	13.1	12.49	
#2.5	206	2.04	11.6	9.46	
	PRE-INSTALLED	275	2.72	11.9	10.60
	345	3.40	12.2	12.11	
	413	4.08	12.5	13.25	
#3	206	2.0	11.6	13.63	
	275	3.0	11.9	15.89	
	345	3.5	12.5	17.41	
	413	4.0	12.8	18.92	
#4	206	2.0	13.1	16.65	
	275	3.0	13.4	19.30	
	345	3.5	14.0	21.19	
	413	4.0	14.9	22.33	
#6	206	3.0	13.7	22.33	
	275	3.5	14.0	22.71	
	345	4.0	14.6	23.85	
	413	5.0	14.9	25.35	
#8	206	3.0	12.8	30.28	
	275	3.5	13.7	32.12	
	345	4.0	14.8	35.95	
	413	5.0	15.3	37.85	

LOW ANGLE DATA

NOZZLES	PRESSURE PSI	RADIUS FT.	FLOW GPM
#1	30	22'	1.2
	40	24'	1.7
	50	26'	1.8
	60	28'	2.0
#3	30	29'	3.0
	40	32'	3.1
	50	35'	3.5
	60	37'	3.8
#4	30	31'	3.4
	40	34'	3.9
	50	37'	4.4
	60	38'	4.7
#6	40	38'	6.5
	50	40'	7.3
	60	42'	8.0
	70	44'	8.6

METRIC

NOZZLES	PRESSURE KPA	RADIUS METERS	FLOW L/M	FLOW M ³ /H
#1	207	2.04	6.71	4.54
	275	2.72	7.32	6.43
	344	3.40	7.92	6.80
	413	4.08	8.53	7.56
#3	207	2.04	8.84	11.34
	275	2.72	9.75	11.72
	344	3.40	10.67	13.23
	413	4.08	11.58	14.36
#4	207	2.04	9.45	12.85
	275	2.72	10.36	14.74
	344	3.40	11.28	16.63
	413	4.08	11.58	17.77
#6	275	2.72	11.58	24.57
	344	3.40	12.19	27.59
	413	4.08	12.80	30.24
	482	4.76	13.41	32.51

Data represents test results in zero wind. Adjust for local conditions.
Radius may be reduced with nozzle retention screw.

K. J. Cash *x Ashley Kutz*

18.846 ACRES
VOLUME 929, PAGE 716
DEED RECORDS

12.555 ACRES
DOC#200306011403
OFFICIAL PUBLIC RECORDS

SCALE
1" = 60'

NOTES:
1.) BEARS OF BEARING IS THE
BEST RIGHT OF WAY LINE OF
BECK ROAD AS FOUND
MONUMENTED ON THE GROUND.
2.) TITLE COMMITMENT WAS
PROVIDED BY FIRST AMERICAN
TITLE GUARANTY COMPANY, OF
NO. 1884888-SARL, EFFECTIVE
DATE: DECEMBER 9, 2014,
ISSUED DECEMBER 14, 2014.

CEIVED
JUL 17 2015
COUNTY ENGINEER

LOT 3
4.977 ACRES

LOT 4
6.497 ACRES

SURVEY OF LOT 4 SITUATED IN COMAL COUNTY, TEXAS AND BEING OUT OF BECK RANCH SUBDIVISION, UNIT 1 AS RECORDED IN VOLUME 7, PAGES 133-137 OF THE MAP AND PLAT RECORDS OF COMAL COUNTY, TEXAS.

LOT 5
5.11 ACRES



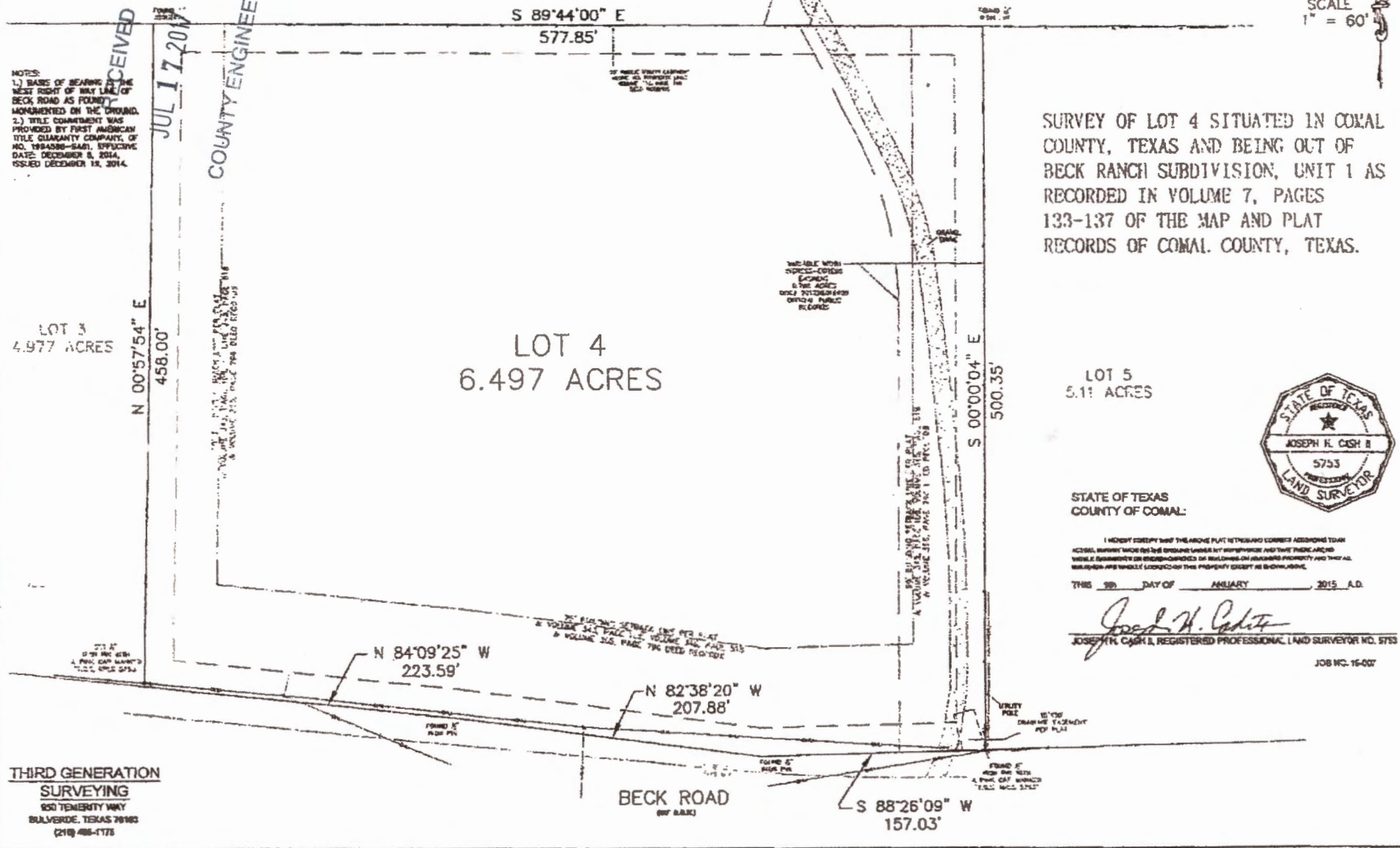
STATE OF TEXAS
COUNTY OF COMAL:

I HEREBY CERTIFY THAT THE ABOVE PLAT AND CORRECT ASSIGNING TO THE
ACTUAL SURVEY LOCATED BY THE ENGINEER UNDER MY SUPERVISION AND THAT THE SAME
WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PUBLIC RECORDS ACT AND THAT ALL
NECESSARY AND NECESSARY RECORDS OF THIS PROPERTY EXCEPT AS SHOWN HEREON.

THIS 30 DAY OF JANUARY, 2015, A.D.
Joseph K. Cash II
JOSEPH K. CASH II, REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5753
JOB NO. 16-007

THIRD GENERATION
SURVEYING
850 TENERITY HWY
SULVERDE, TEXAS 78149
(210) 486-1176

BECK ROAD
(BY MARK)




Ritzen, Brenda

From: Ritzen, Brenda
Sent: Thursday, February 6, 2020 2:53 PM
To: [REDACTED]
Subject: Permit 106217
Attachments: Page from 106217.pdf

Re: Beck Ranch Subdivision Unit 1 Lot 4
Application for Permit for Authorization to Construct an On-Site Sewage Facility

Mr. Knutson,

I have reviewed the revised planning materials for the referenced permit submittal and found the following information is needed:

-  The attached permit application needs to be revised from person shop at 20 GPD to RV at 40 GPD.
2. Revise as needed and resubmit.

Thank you,

Brenda Ritzen, OS0007722
Environmental Health Coordinator
Comal County Engineers Office
195 David Jonas Drive
New Braunfels, Texas 78132
830-608-2090
www.cceo.org

VOID

REVISED
12:54 pm, Oct 23, 2018

*** COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH ***
APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN
ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

Date 3/17/17

Permit # 106217

Owner Name Todd Karlson and Ashley Karlson
Mailing Address 4512 Union Creek Dr.
City, State, Zip Seabrook TX 72854
Phone # 972-623-2696
Email [Redacted]

Agent Name Hart Seidenstein
Agent Address _____
City, State, Zip _____
Phone # 210 442 6682
Email [Redacted]

All correspondence should be sent to: Owner Agent Both

Method: Mail Email

Subdivision Name Beck Ranch Subdivision Unit 1 Lot 4 Block _____
Acreage/Legal 6.5 ac Lot 4 Beck Ranch Subd. - J. 51201
Street Name/Address 30979 Beck Rd City Bolander Zip 78163

Type of Development:

Single Family Residential

Type of Construction (House, Mobile, RV, Etc.) Here + ~~bedroom~~ ^{Personal Shop} ~~no living area or~~ ^{RECEIVED} Bedrooms

Number of Bedrooms 4 in house

Indicate Sq Ft of Living Area 3600

VOID

20 GPD

JUL 17 2017

HS

Commercial or Institutional Facility

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

COUNTY ENGINEER

10-23-18

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: \$ 400,000 (Structure Only)

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

Yes No

(If yes, owner must provide approval from USACE for proposed OSSF improvements within the USACE flowage easement)

Source of Water Public Private Well

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

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.

Signature of Owner [Signature]

Date 3/17/17

From: [REDACTED]
To: [Ritzen, Brenda](#); "[Sabrina Munoz](#)"
Cc: [Hernandez, Sandra](#); "[Jennifer Yeager](#)"; "[STEPHANIE PEREZ](#)"; "[Todd Knutson](#)"
Subject: RE: permit 106217
Date: Tuesday, October 23, 2018 11:23:53 AM

There is no living space or bedrooms in the barn.

Hoyt

From: Ritzen, Brenda <[REDACTED]>
Sent: Monday, October 22, 2018 9:49 AM
To: [REDACTED]; 'Sabrina Munoz' <[REDACTED]>
Cc: Hernandez, Sandra <[REDACTED]>; 'Jennifer Yeager' <[REDACTED]>; 'STEPHANIE PEREZ' <[REDACTED]>
Subject: RE: permit 106217

Hoyt,

I have reviewed your revision for the referenced permit submittal and have found the following information is needed:

1. The owner must revise the permit application to match this latest revision.
2. Verify if there is any air conditioned living space or bedrooms within the barn.
3. Revise as needed and resubmit.

Thank you,

Brenda Ritzen, OS0007722
Environmental Health Coordinator
Comal County Engineers Office
195 David Jonas Drive
New Braunfels, Texas 78132
830-608-2090
www.cceo.org

From: [REDACTED] [REDACTED]
Sent: Monday, October 22, 2018 5:54 AM
To: 'Sabrina Munoz'; Ritzen, Brenda
Cc: Hernandez, Sandra; 'Jennifer Yeager'; 'STEPHANIE PEREZ'
Subject: permit 106217

Here is a revision for this permit

Hoyt

*** COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH APPLICATION FOR AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

VOID

Planning Materials & Site Evaluation as Required Completed By Hoyt Serrano

System Description Aerobic with Spray Distribution

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

Tank Size(s) (Gallons) 600 GPD Unit Absorption/Application Area (Sq Ft) 6430.72

Gallons Per Day (As Per TCEQ Table III) 380
(Sites generating more than 5000 gallons per day are required to obtain a permit through TCEQ.)

Is the property located over the Edwards Recharge Zone? Yes No
(If yes, the planning materials must be completed by a Registered Sanitarian (R.S.) or Professional Engineer (P.E.))

Is there an existing TCEQ approved WPAP for the property? Yes No
(If yes, the R.S. or P.E. shall certify that the OSSF design complies with all provisions of the existing WPAP.)

If there is no existing WPAP, does the proposed development activity require a TCEQ approved WPAP? Yes No
(If yes, the R.S. or P.E. shall certify that the OSSF design will comply with all provisions of the proposed WPAP. A Permit to Construct will not be issued for the proposed OSSF until the proposed WPAP has been approved by the appropriate regional office.)

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

Is there an existing TCEQ approval CZP for the property? Yes No
(If yes, the P.E. or R.S. shall certify that the OSSF design complies with all provisions of the existing CZP.)

If there is no existing CZP, does the proposed development activity require a TCEQ approved CZP? Yes No
(If yes, the R.S. or P.E. 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: _____

VOID

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.

Hoyt Serrano
Signature of Designer

10-22-18
Date

10/22/2018
4:49 AM
Aerobic with Spray
Distribution System

ON-SITE SEWAGE FACILITY DESIGN CRITERIA

Todd Ashley Knutson

REVISED
9:09 am, Oct 22, 2018

106217

VOID

Property Information:

St. Address: 30989 Beck Road
City: Bulverde State: Texas
Zip code: 78163

Predicted Quantity of Sewage (Q)

Water Saving Devices in Home (y/n): yes
Gallons/day (Q): 380
Greywater included (yes/no): yes

Rate of Adsorption (Ra)

Application rate (g/sq. ft): 0.064
Minimum Adsorptive Area (sq. ft.): 5937.5

Aerobic Unit

Required size of aerobic unit: 600 gpd
Pretreatment Tank (gallons): 397
Class 1 Aerobic Unit: ProFlo 5060HCSP
Pump tank total capacity (gal): 768
Chlorination: Liquid installed
Pump Switch operation: Float system
Dosing cycle quantity (gals): Varied
Cycling time: night time
Pump size and capacity: Sta-rite plus D series 20 gpm

House Information

personal shop
No. of Bedrooms: 2 people 4
Sq. footage (Approx.): 10 gal/person 3600
gallons per day: 20 360
Water Supply: well

Supply Line from House

Length of supply line (approx. ft): 119
Type of supply line: SCH 40 PVC
Size of Supply line (in): 3 or 4

Supply Line For Spray Irrigation System

Length of supply line (approx. ft): 79
Type of supply line: SCH 40 PVC
Size of supply line (in): 1

Disposal Area per this System

$\pi (32)^2 = 3215.36$
 $\pi (32)^2 = 3215.36$
=
=
Total irrigated area (sq. ft.): 6430.72

All design criteria is in accordance with TCEQ, Title 30, TAC Chapter 285, Subchapter D, On-Site Sewage Facilities (Effective December 27, 2012). The above design was based on the best available information and should function properly under normal operating conditions. All changes or modifications made to design must be approved by the below signed designer.

Hoyt Seidensticker
Hoyt Seidensticker, R.S. No. 3588
Land Stewardship Services, LLC, 1822 FM 473, Boerne, Texas 78006
Cell (210) 414-6603, Fax (830) 336-4697

10-22-18
Date



Effective Immediately: If any change(s) are made that require a revision to this design, a \$75.00 fee will be assessed. This includes, but not limited to, change(s) in the house size, number of bedrooms, location of house or one type of system to another.

10/22/2018
4:49 AM
Aerobic with Spray
Distribution System

ON-SITE SEWAGE FACILITY

REVISED
9:09 am, Oct 22, 2018

VOID

CRITERIA

Ashley Knutson

Head Pressure

Elevation Head:	<u>4</u>
Pressure Head:	<u>92</u>
Friction Head:	<u>3.16</u>
Total head:	<u>99.16</u>

Sprinkler Head Information

K-Rain sprinkler head PROPLUS,
low angle nozzle

No. 3 @40psi	GPM:	<u>3.1</u>
Number of sprinkler heads:		<u>2</u>
Gallons per minute:		<u>6.2</u>

A class 1 aerobic wastewater treatment unit, chlorination and spray distribution system will be designed for this location. Wastewater from the residence will flow to a pretreatment/trash tank, then to the treatment unit. Treated effluent will be disinfected by a Chlorination Station 200-1500 Unit in the pump tank, before being disposed of through above ground sprinkler heads. All warning systems shall be installed with the aerobic unit

Land acceptable for surface application shall have a flat terrain (with less than or equal to 15% slope). Sloped land (with greater than 15% slope) may be acceptable if it is properly landscaped and terraced to minimize runoff. There shall be nothing in the surface application area within ten feet of the sprinkler which would interfere with the uniform application of the effluent.

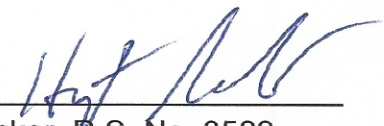
VOID

Areas that rock is exposed must be covered with a suitable amount of material acceptable to the inspecting authority. Areas that are bare or have been disturbed must be seeded or sodded with a mixture of rye and bermuda grasses or other grass species prior to system operation.

A maintenance contract for the entire system must be established at time of installation with someone holding a license to maintain the installed aerobic system.

At every inspection a Total Chlorine Residual test must be conducted and must be a minimum acceptable test of .1 mg/l residual in Pump Tank.

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Hoyt Seidensticker, R.S. No. 3588

10.22.18

Date

Land Stewardship Services, LLC, 1822 FM 473, Boerne, Texas 78006
Cell (210) 414-6603, Fax (830) 336-4697



Scale 1" = 100'

106217

VOID



This design complies with all provisions of the existing Edwards Contributing Zone Plan and there is not a recharge feature within 150' of the proposed septic system.

Areas that rock is exposed must be covered with a suitable amount of material. Areas that are bare or have been disturbed must be sodded with a mixture of rye and bermuda grasses or other grass species prior to system operation.

Risers must be permanently fastened to the tank lid or cast into the tank. The connection between the riser and the tank lid must be watertight. Risers must be fitted with removable watertight caps and protected against unauthorized intrusions by either a padlock, a cover that can be removed with specialized tools, a cover having a minimum net weight of 29.5 kilograms (65 pounds) set into a recess of the tank lid, or any other means approved by the executive director.

Land acceptable for surface application shall have a flat terrain (less than to equal to 15% slope) (with greater than 15% slope) may be used if it is properly landscaped and terraced to minimize runoff.

VOID

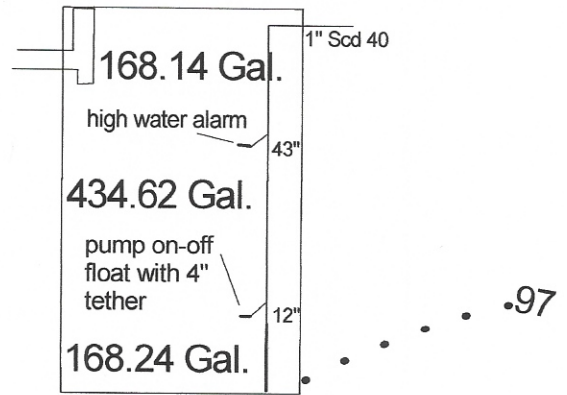
REVISED

9:09 am, Oct 22, 2018

Site Map

Aerobic with Spray Distribution System

Todd and Ashley Knutson
Lot 4, Beck Ranch, Unit 1
30989 Beck Road
Bulverde, Texas 78163
Comal County



PL 577.85'

20' buffer

ProFlo 5060 HCSP 600 gpd
Aerobic Unit with Econo-Chlor
Model 200-1500 Chlorine Dispenser

two-way c/o
barn with
personal
shop
2 people
20 gpd

house
4 bdr
3600
360 gpd

location of sprinkler heads
may be adjusted in field to
avoid obstacles

100 yr flood plain does
not exist on this tract

All external electrical lines must be in gray conduit

Surface application should be done between the
hours of 12:00 midnight and 5:00 a.m.

There shall be nothing in the surface application
area within ten feet of the sprinkler which would
interfere with the uniform application of the effluent



[Handwritten signature]

PL 458.00'

PL 223.59'

Beck Road

PL 207.88'

PL 157.03'

PL 500.35'

.97

.98

.99

100

1022-18

From: Ritzen, Brenda
To: [REDACTED]; "[Sabrina Munoz](#)"
Cc: [Hernandez, Sandra](#); "[Jennifer Yeager](#)"; "[STEPHANIE PEREZ](#)"
Subject: RE: permit 106217
Date: Monday, October 22, 2018 9:48:00 AM

Hoyt,

I have reviewed your revision for the referenced permit submittal and have found the following information is needed:

- ✓ The owner must revise the permit application to match this latest revision.
- 2. Verify if there is any air conditioned living space or bedrooms within the barn.
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Thank you,

Brenda Ritzen, OS0007722
Environmental Health Coordinator
Comal County Engineers Office
195 David Jonas Drive
New Braunfels, Texas 78132
830-608-2090
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To: 'Sabrina Munoz'; Ritzen, Brenda
Cc: Hernandez, Sandra; 'Jennifer Yeager'; 'STEPHANIE PEREZ'
Subject: permit 106217

Here is a revision for this permit

Hoyt

RECEIVED

REVISED
8:21 am, Jul 27, 2017

AUG 06 2018

*** COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH ***
APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN
ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

106217

COUNTY ENGINEER

Permit # 106217

Owner Name Todd Knutsen and Ashley Knutsen Agent Name Hoyt Seidenstein
 Mailing Address 4512 Union Creek Dr Agent Address _____
 City, State, Zip Scherke TX City, State, Zip _____
 Phone # 972-623-8690 Phone # 210 414 6663
 Email _____ Email _____

VOID

All correspondence should be sent to: Owner Agent Both Method: Mail Email

Subdivision Name Beck Ranch Subdivision Unit 1 Lot 4 Block _____
 Acreage/Legal 6.5 ac Lot 4 Beck Ranch Subd. Division
 Street Name/Address 30929 Beck Rd. City Bulverde Zip 78163

Type of Development:

Single Family Residential

Type of Construction (House, Mobile, RV, Etc.) Home + condominium RECEIVED

Number of Bedrooms 4 in house 2 in condominium

Indicate Sq Ft of Living Area 3600 sq ft in house 1200 in condominium JUL 17 2017

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 _____

VOID

Estimated Cost of Construction: \$ 400,000 (Structure Only)

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

Yes No

(If yes, owner must provide approval from USACE for proposed OSSF improvements within the USACE flowage easement)

Source of Water Public Private Well

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

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

Signature of Owner Todd Knutsen

Date 3/17/17

Todd Knutsen

8/6/18

7-26-18 No House

Scale 1" = 100'

P#106217

This design complies with all provisions of the existing Edwards Contributing Zone Plan and there is not a recharge feature within 150' of the proposed septic system.

Areas that rock is exposed must be covered with a suitable amount of material. Areas that have been disturbed must be sodded with a mixture of rye and bermuda grasses or other grass species prior to system operation.

VOID

Risers must be permanently fastened to the tank lid or cast into the tank. The connection between the riser and the tank lid must be watertight. Risers must be fitted with removable watertight caps and protected against unauthorized intrusions by either a padlock, a cover that can be removed with specialized tools, a cover having a minimum net weight of 29.5 kilograms (65 pounds) set into a recess of the tank lid, or any other means approved by the executive director.

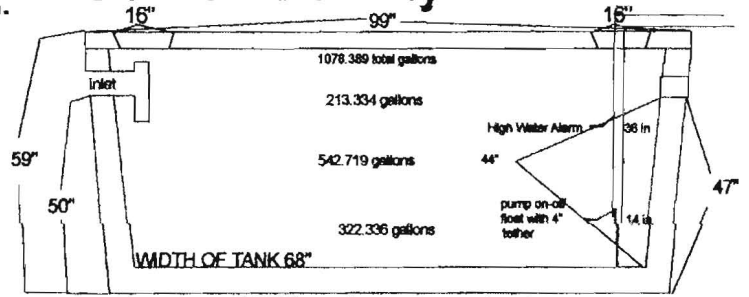
Land acceptable for surface application shall have a flat terrain (less than to equal to 15% slope). Sloped land (with greater than 15% slope) may be acceptable if it is properly landscaped and terraced to minimize runoff.

Site Map Aerobic with Spray Distribution System Todd and Ashley Knutson Lot 4, Beck Ranch, Unit 1 30989 Beck Road Bulverde, Texas 78163 Comal County

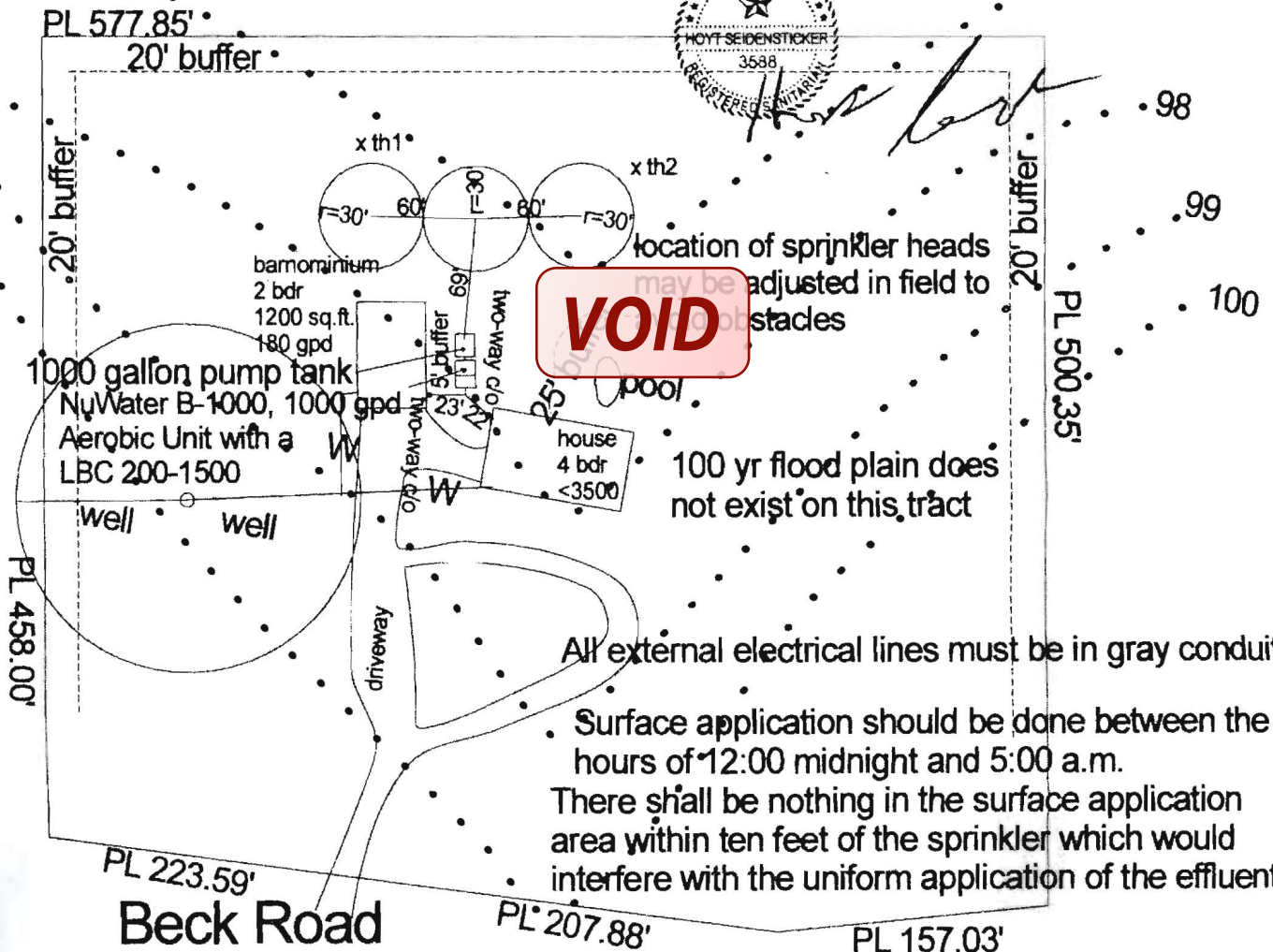
RECEIVED

JUL 17 2017

COUNTY ENGINEER



7-14-11 1000 gallon pump tank .97



VOID

location of sprinkler heads may be adjusted in field to stables

100 yr flood plain does not exist on this tract

All external electrical lines must be in gray conduit

Surface application should be done between the hours of 12:00 midnight and 5:00 a.m. There shall be nothing in the surface application area within ten feet of the sprinkler which would interfere with the uniform application of the effluent

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

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

Date 3/17/17 Permit # 1020217

Owner Name Todd Knutson and Ashli Knutson Agent Name Hoyt Seidenstein
Mailing Address 4512 Union Creek Dr. Address _____
City, State, Zip Schertz TX 78154 City, State, Zip _____
Phone # 972-623-8696 Phone # 210 414 6663
Email _____ Email _____



All correspondence should be sent to: Owner Agent Both Method: Mail Email

Subdivision Name Beck Ranch Subdivision Unit 1 Lot 4 Block _____
Acreage/Legal 6.5 ac Lot 4 Beck Ranch Subdivision
Street Name/Address 30989 Beck Rd. City Bolander Zip 78163

Type of Development:

Single Family Residential

Type of Construction (House, Mobile, RV, Etc.) Home + condominium RECEIVED

Number of Bedrooms 4 in house 2 in condominium

Indicate Sq Ft of Living Area 3600 sq ft in house 1200 in condominium JUL 17 2017
360 GPD 180 GPD

Commercial or Institutional Facility

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

COUNTY ENGINEER

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 Spots _____
Miscellaneous _____



Estimated Cost of Construction: \$ 400,000 (Structure Only)

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

Yes No

(If yes, owner must provide approval from USACE for proposed OSSF improvements within the USACE flowage easement)

Source of Water Public Private Well

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

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.

Signature of Owner Todd Knutson

Date 3/17/17

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

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

106217

Planning Materials & Site Evaluation as Required Completed By Hoyt Seidenstein

System Description Aerobic with **VOID** Distribution

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

Tank Size(s) (Gallons) 1500 gallon pump tank 1000 GPD ATU Absorption/Application Area (Sq Ft) 8478

Gallons Per Day (As Per TCEQ Table III) 540
(Sites generating more than 5000 gallons per day are required to obtain a permit through TCEQ.)

Is the property located over the Edwards Recharge Zone? Yes No
(If yes, the planning materials must be completed by a Registered Sanitarian (R.S.) or Professional Engineer (P.E.))

Is there an existing TCEQ approved WPAP for the property? Yes No
(If yes, the R.S. or P.E. shall certify that the OSSF design complies with all provisions of the existing WPAP.)

If there is no existing WPAP, does the proposed development activity require a TCEQ approved WPAP? Yes No
(If yes, the R.S. or P.E. shall certify that the OSSF design complies 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
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Is this property within an incorporated city? Yes No
If yes, indicate the city:

RECEIVED
JUL 17 2017
COUNTY ENGINEER

I certify that the information provided above is true and correct to the best of my knowledge.
Hoyt Seidenstein 7-14-17
Signature of Designer Date

7/14/2017
6:15 AM
Aerobic with Spray
Distribution System

ON-SITE SEWAGE FACILITY DESIGN CRITERIA

Todd And Ashley Knutson

RECEIVED
JUL 17 2017
COUNTY ENGINEER

Property Information:

St. Address: 30989 Beck Road

City: Bulverde State: Texas

Zip code: 78163

Predicted Quantity of Sewage (Q)

Water Saving Devices in Home (y/n): yes

Gallons/day (Q): 540

Greywater included (yes/no): yes

Rate of Adsorption (Ra)

Application rate (g/sq. ft): 0.064

Minimum Adsorptive Area (sq. ft.): 8437.5

Aerobic Unit

Required size of aerobic unit: 960 gpd

Pretreatment Tank (gallons): 431

Class 1 Aerobic Unit: NuWater B - 1000

Pump tank total capacity (gal): 1000

Chlorination: Liquid installed in Tank

Pump Switch operation: Float system

Dosing cycle quantity (gals): Varied

Cycling time: night time

Pump size and capacity: Franklin E-Series 20 GPM

VOID

House Information

No. of Bedrooms: 2 4

Sq. footage (Approx.): 1000 3600

gallons per day: 180 360

Water Supply: well

Supply Line from House

Length of supply line (approx. ft): 45

Type of supply line: SCH 40 PVC

Size of Supply line (in): 3 or 4

Supply Line For Spray Irrigation System

Length of supply line (approx. ft): 189

Type of supply line: SCH 40 PVC

Size of supply line (in): 1

Disposal Area per this System

$$\pi (30)^2 = 2826$$

$$\pi (30)^2 = 2826$$

$$\pi (30)^2 = 2826$$

Total irrigated area (sq. ft.): 8478

VOID

All design criteria is in accordance with TCEQ, Title 30, TAC Chapter 285, Subchapter D, On-Site Sewage Facilities (Effective December 27, 2012). The above design was based on the best available information and should function properly under normal operating conditions.

All changes or modifications made to design must be approved by the below signed designer.

Hoyt Seidensticker
Hoyt Seidensticker, R.S. No. 3588

7-17-17
Date



Land Stewardship Services, LLC, 1822 FM 473, Boerne, Texas 78006

Cell (210) 414-6603, Fax (830) 336-4697

Effective Immediately: If any change(s) are made that require a revision to this design, a \$75.00 fee will be assessed. This includes, but not limited to, change(s) in the house size, number of bedrooms, location of house or one type of system to another.

7/14/2017

6:15 AM

Aerobic with Spray
Distribution System

ON-SITE SEWAGE FACILITY DESIGN CRITERIA

NTodd And Ashley Knutson

RECEIVED

JUL 17 2017

Head Pressure

Elevation Head:	<u>4</u>
Pressure Head:	<u>92</u>
Friction Head:	<u>7.56</u>
Total head:	<u>103.6</u>

VOID

Sprinkler Head Information

K-Rain sprinkler head PROPLUS,	
low angle nozzle	
No. 3 @40psi	GPM: <u>3.1</u>
Number of sprinkler heads:	<u>3</u>
Gallons per minute:	<u>9.3</u>

COUNTY ENGINEER

A class 1 aerobic wastewater treatment unit, chlorination and spray distribution system will be designed for this location. Wastewater from the residence will flow to a pretreatment/trash tank, then to the treatment unit. Treated effluent will be disinfected by a Chlorination Station 200-1500 Unit in the pump tank, before being disposed of through above ground sprinkler heads. All warning systems shall be installed with the aerobic unit

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VOID

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7-14-17

Hoyt Seidensticker, R.S. No. 3588

Date

Land Stewardship Services, LLC, 1822 FM 473, Boerne, Texas 78006

Cell (210) 414-6603, Fax (830) 336-4697



Scale 1" = 100'

P#106217

VOID

This design complies with all provisions of the existing Edwards Contributing Zone Plan and there is not a recharge feature within 150' of the proposed septic system.

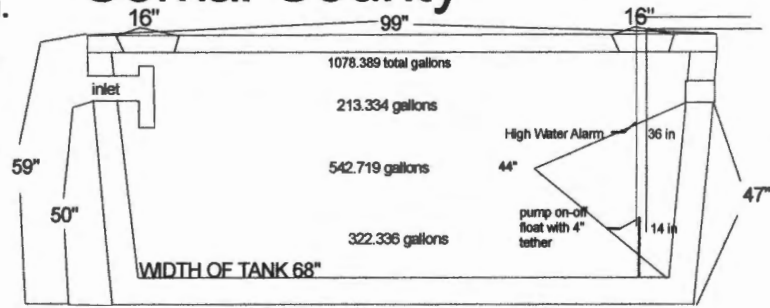
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Site Map Aerobic with Spray Distribution System Todd and Ashley Knutson Lot 4, Beck Ranch, Unit 1 30989 Beck Road Bulverde, Texas 78163 Comal County

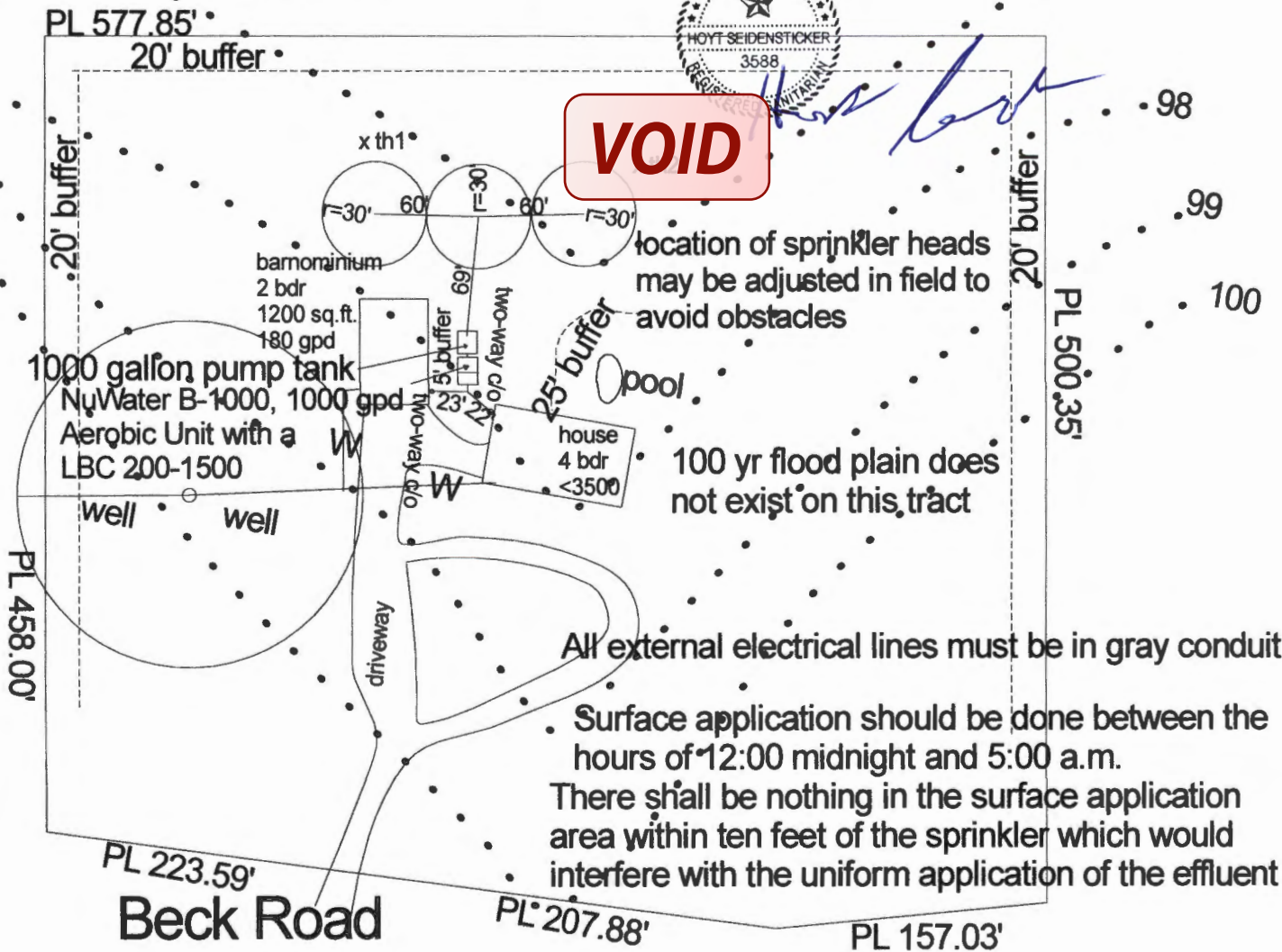
RECEIVED
JUL 17 2017
COUNTY ENGINEER



71471 1000 gallon pump tank .97



VOID



location of sprinkler heads may be adjusted in field to avoid obstacles

100 yr flood plain does not exist on this tract

All external electrical lines must be in gray conduit

Surface application should be done between the hours of 12:00 midnight and 5:00 a.m.

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RECEIVED

JUL 17 2017

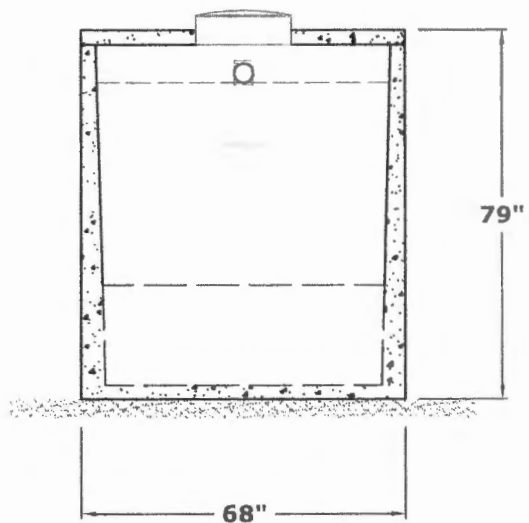
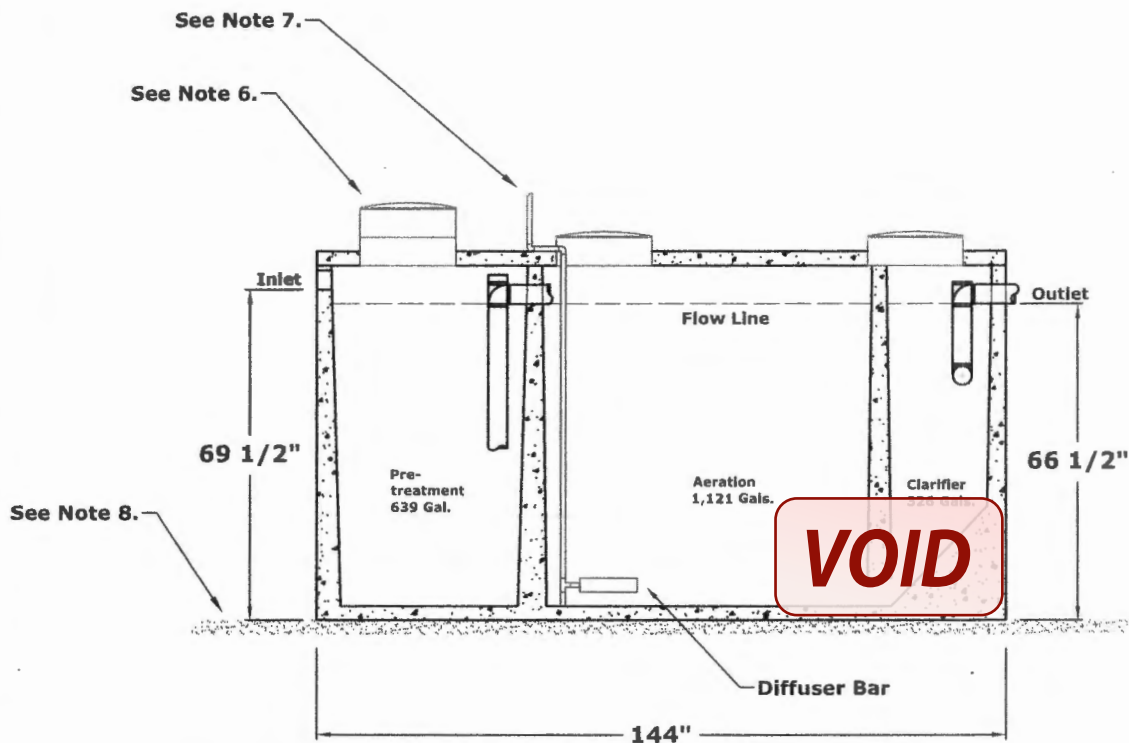
COUNTY ENGINEER

VOID

MINIMUM EXCAVATION DIMENSIONS:
Width: 80"
Length: 156"

GENERAL NOTES:

1. Plant structure material to be precast concrete and steel.
2. Maximum burial depth is 30" from slab top to grade.
3. Weight = 16,600 lbs.
4. Treatment capacity is 1,000 GPD.
5. BOD Loading = 3.00 lbs. per day.
6. 20" Ø access riser w/ lid (Typical 3). Optional extension risers available.
7. 1" Sch. 40 PVC Air Line to Bio-Robic B-1000 Air Compressor (Max. 50 Lft from Plant).
8. 4" min. compacted sand or gravel pad by Contractor



NuWater B-1000
Aerobic Treatment Plant (Assembled)

Model: B-1000

July, 2012
 By: A.S.

Scale:
 * All Dimensions subject to allowable specification tolerances.

Dwg. #: ADV-B1000-2

From: Ritzen, Brenda
To: "[REDACTED]"
Cc: "[Hoyt Seidensticker](#)"
Subject: Permit 106217
Date: Wednesday, July 26, 2017 1:01:00 PM
Attachments: [Page from 106217.pdf](#)

Re: Todd & Ashley Knutson
Beck Ranch Unit 1 Lot 4
Application for Permit for Authorization to Construct an On-Site Sewage Facility

Dear property owner & agent,

The following information is needed before I can continue processing the referenced permit submittal:



The owner name on the permit application must match the owner name as described on the recorded deed. Please add Ashley to the enclosed application form. Return to our office when complete.

Thank you,

Brenda Ritzen, OS0007722
Environmental Health Coordinator
Comal County Engineers Office
195 David Jonas Drive
New Braunfels, Texas 78132
830-608-2090
www.cceo.org

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

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

Date 3/17/17



Permit # 1020217

Owner Name Todd Knutson
Mailing Address 4512 Union Creek Dr.
City, State, Zip Schertz TX 78154
Phone # 972-623-8696
Email [Redacted]

Agent Name Hoyt Seidenstein
Agent Address _____
City, State, Zip _____
Phone # 210 414 6663
Email [Redacted]

All correspondence should be sent to: Owner Agent Both Method: Mail Email

Subdivision Name Beck Ranch Subdivision Unit 1 Lot 4 Block _____
Acreage/Legal 6.5 ac Lot 4 Beck Ranch Subdivision
Street Name/Address 30989 Beck Rd. City Bolton Zip 78163

Type of Development:

Single Family Residential

Type of Construction (House, Mobile, RV, Etc.) Home + condominium RECEIVED

Number of Bedrooms 4 in house 2 in condominium

Indicate Sq Ft of Living Area 3500 sq ft in house 1200 in condominium JUL 17 2017
360 GPD 180 GPD

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: \$ 400,000 (Structure Only)

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

Yes No

(If yes, owner must provide approval from USACE for proposed OSSF improvements within the USACE flowage easement)

Source of Water Public Private Well

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

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.

Signature of Owner Todd Knutson

Date 3/17/17

3/10

New Braunfels Title Co.
G.F.# 84085 KB



20160608006 03/01/2016 03:19:04 PM 1/3

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JUL 17 2017
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 RESERVING VENDOR'S LIEN IN FAVOR OF THIRD PARTY

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

THAT JEAN ALEXANDRA HIGHTOWER, a single person, 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 **TODD KNUTSON** and wife, **ASHLEY KNUTSON**, whose address is 4512 Union Creek Drive, Schertz, Texas, 78154, hereinafter called Grantee, the receipt and sufficiency of which is hereby acknowledged and confessed, and the further consideration of the execution and delivery by the said Grantee of one certain Promissory Note of even date herewith in the principal sum of ONE HUNDRED TWENTY-ONE THOUSAND, FIVE HUNDRED AND NO/100 (\$121,500.00) DOLLARS, payable to the order of SCHERTZ BANK & TRUST, hereinafter called Mortgagee, said Note being payable as therein provided, bearing interest at the rate therein specified, providing for attorney's fees and acceleration of maturity at the rate and in the events therein set forth, and payment of said Note being secured by a vendor's lien and superior title retained herein in favor of said Mortgagee and by Deed of Trust of even date herewith from Grantee to **MARK O. SUNDERMAN**, Trustee, to which reference is hereby made for all purposes; and,

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COUNTY ENGINEER

WHEREAS, Mortgagee has, at the special instance and request of said Grantee herein, paid to Grantor herein \$121,500.00 of the purchase money for the property hereinafter described as represented by the above described Note, said Note, together with the Vendor's Lien and Deed of Trust Lien against said property securing the payment of said Note is, without recourse upon the Grantor herein, hereby assigned, transferred and delivered to Mortgagee, the Grantor hereby conveying to the said Mortgagee the said superior title to said property, and subrogating the said Mortgagee unto all the rights and remedies of Grantor in the premises by virtue of said Note and liens; the indebtedness evidenced by said Note being due and payable as therein provided, both principal and interest being due and payable at the office of **SCHERTZ BANK & TRUST**;

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

Lot 4, BECK RANCH SUBDIVISION 1, situated in Comal County, Texas, according to the map or plat thereof recorded in **Volume 7, pages 133-137**, Map and Plat Records, Comal County, Texas.

This conveyance is made subject to, all and singular, the restrictions, 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 assumed by Grantee.

It is expressly agreed and stipulated that a vendor's lien is retained in favor of the payee in said Note against the above described property, premises and improvements, until said Note, and all interest thereon, is fully paid according to the face and tenor, effect and reading thereof, when this deed shall become absolute.

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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 and 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 every person whomsoever claiming or to claim the same or any part thereof.

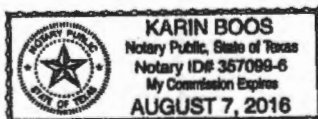
DATED this the 29th day of February, 2016.


JEAN ALEXANDRA HIGHTOWER

STATE OF TEXAS
COUNTY OF COMAL

§
§

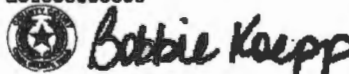
This instrument was acknowledged before me on this the 29th day of February, 2016, by JEAN ALEXANDRA HIGHTOWER.




Notary Public, State of Texas

2168c.DEEDS
New Braunfels Title Co. (TD)
GF #84085NBT

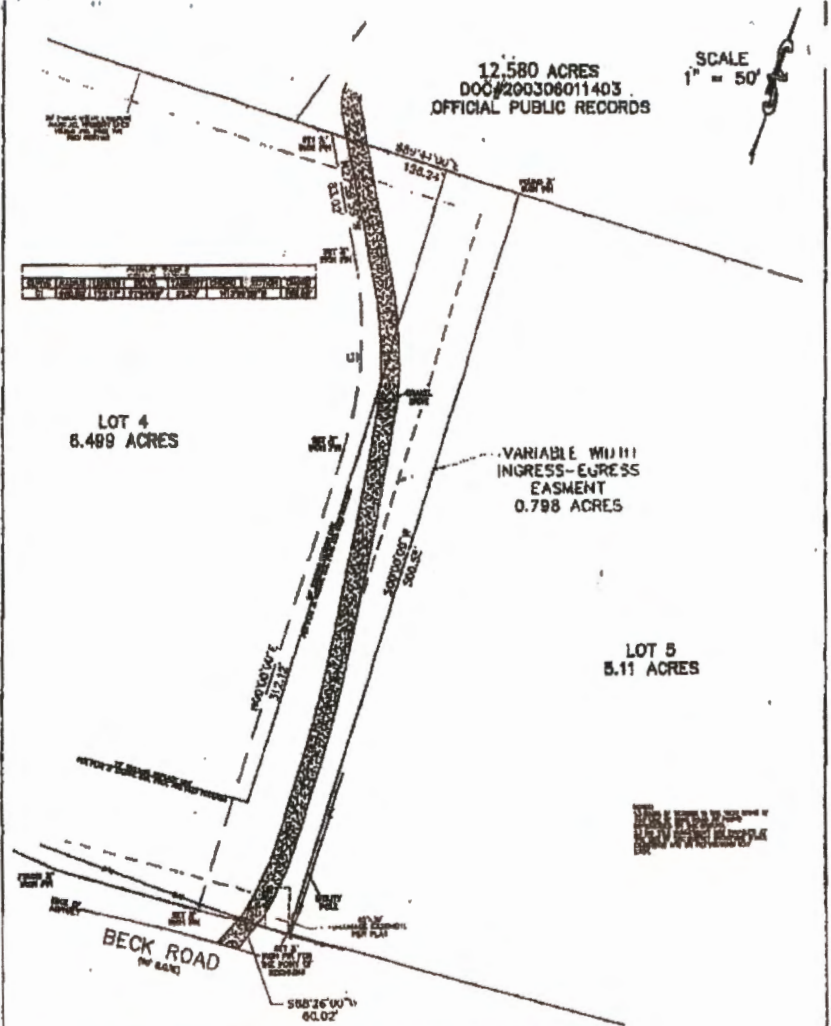
Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
03/01/2016 03:19:04 PM
CASHTHREE 3 Page(s)
201606008806



12.580 ACRES
 DOC#200308011403
 OFFICIAL PUBLIC RECORDS

SCALE
 1" = 50'

RECEIVED
 JUL 17 2017
 COUNTY ENGINEER



SURVEY OF 0.798 ACRES (INGRESS-EGRESS EASEMENT) SITUATED IN COMAL COUNTY, TEXAS AND BEING OUT OF LOT 4 OF BECK RANCH SUBDIVISION, UNIT 1 AS RECORDED IN VOLUME 7, PAGES 133-137 OF THE MAP AND PLAT RECORDS OF COMAL COUNTY, TEXAS.

STATE OF TEXAS
 COUNTY OF COMAL

NOTICE: THIS PLAN IS A RECORDED INSTRUMENT UNDER THE PUBLIC RECORDS ACT OF TEXAS. IT IS THE DUTY OF THE PUBLIC RECORDS OFFICE TO RECORDE THIS INSTRUMENT AND TO MAKE IT AVAILABLE TO THE PUBLIC. THE PUBLIC RECORDS OFFICE DOES NOT GUARANTEE THE ACCURACY OF THIS INSTRUMENT.

Joseph H. Carr
 JOURNAL CLERK, REGISTERED PROFESSIONAL LAND SURVEYOR, INC.

THIRD GENERATION
 SURVEYING
 645 THURSDAY ROAD
 BELLEVILLE, TEXAS 76708
 (817) 494-1753



Filed and Recorded
 Official Public Records
 Jay Streeter, County Clerk
 Comal County, Texas
 08/14/2012 10:13:54 AM
 DRRLR 8 Page(s)
 201208015589



Jay Streeter

**SURVEY RECEIPT AND ACKNOWLEDGEMENT
WITH HOLD HARMLESS**

RECEIVED
JUL 17 2017
COUNTY ENGINEER

New Braunfels Title Company G.F.# 084085NBT

I/We, hereby certify that I/we have received a copy of the survey by Joseph H. Cash dated January 9, 2015, and am aware of and accept the encroachments, easements, limitations and/or conditions thereon as follows:

- Rights of parties in possession. (Owner's Title Policy only.)
- Rights of lessees, under the terms of any unrecorded leases.
- One-half (1/2) interest in and to all oil, gas, and other minerals, conveyed in instrument dated April 25, 1929, recorded in Volume 56, Page 462, of the Deed Records of Comal County, Texas. Reference to which instrument is here made for particulars. No further search of title has been made as to the interest(s) evidenced by this instrument, and the Company makes no representation as to the ownership of holder of such interest(s).
- Royalty and mineral reservations recorded in Volume 343, Page 108, Deed Records, Comal County, Texas. Reference to which instrument is here made for particulars. No further search of title has been made as to the interest(s) evidenced by this instrument, and the Company makes no representation as to the ownership of holder of such interest(s).
- Easement for utilities recorded in Volume 353, Page 500, Official Public Records, Comal County, Texas.
- 20' public utility easement and blanket drainage easement along all property lines as recited in Volume 355, Page 796, Official Public Records, Comal County, Texas and as shown on Survey dated January 9, 2015 by Joseph H. Cash, II, RPLS#5753.
- Easements and rights-of-way, for roadway, ingress, egress, and utilities purposes, not to exceed sixty feet (60') in width, reserved and described in instrument dated September 23, 1983, recorded in Volume 355, Page 811, of the Official Public Records of Comal County, Texas.
- Easements and rights-of-way, for roadway, ingress, egress, and utilities purposes, not to exceed sixty feet (60') in width, reserved and described in instrument dated September 23, 1983, recorded in Volume 355, Page 843, of the Official Public Records of Comal County, Texas.
- Interest in and to all coal, lignite, oil, gas and other minerals, and all rights

incident thereto, contained in instrument dated July 12, 1985, recorded in Volume 457, page 790, of the Official Public Records of Comal County, Texas. Reference to which instrument is here made for particulars. No further search of title has been made as to the interest(s) evidenced by this instrument, and the Company makes no representation as to the ownership of holder of such interest(s).

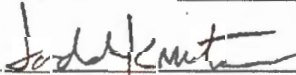
RECEIVED

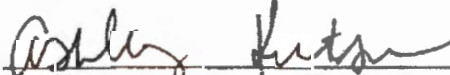
- 75' front and 50' side building setback lines and utility easements as shown on JUL 17 2017 Volume 7, Page 133, Map and Plat Records, Comal County, Texas and as shown on Survey dated January 9, 2015 by Joseph H. Cash, II, RPLS#5753.
- 15' by 30' drainage easement along front lot line as shown on plat recorded under Volume 7, page 133, Map and Plat Records, Comal County, Texas and as shown on Survey dated January 9, 2015 by Joseph H. Cash, II, RPLS#5753.
- Terms and conditions as set out in Easement Agreement for Access recorded in Document No. 201206016908, Official Public Records, Comal County, Texas by and between Charles Rathke and David Krizek and Cheri Krizek. and as shown on Survey dated January 9, 2015 by Joseph H. Cash, II, RPLS#5753.
- Terms and conditions as set out in Easement Agreement for Access recorded in Document No. 201206016909, Official Public Records, Comal County, Texas by and between David Krizek and Cheri Krizek and Charles Rathke and as shown on Survey dated January 9, 2015 by Joseph H. Cash, II, RPLS#5753.
- Ingress/egress easements within utility easements as shown on Survey dated January 9, 2015 by Joseph H. Cash, II, RPLS#5753.

COUNTY ENGINEER

I/We further certify that I/we are not relying on any representations or warranties of New Braunfels Title Company, Title Company, Chicago Title Insurance Company, Underwriter and Schertz Bank & Trust, Lender, as to the conditions of the title or existence of any easements or encroachments thereon. I/We hereby save and hold the Title Company, Underwriter & Lender harmless from any and all costs, damages and expensed in any way arising from the existence of the aforementioned encroachments, easements, limitations, and/or conditions and do hereby release Title Company, Underwriter and Lender from any liabilities arising in any matter therefrom.

EXECUTED this 29th day of February, 2016


Buyer/Borrower: Todd Knutson


Buyer/Borrower: Ashley Knutson

THIRD GENERATION SURVEYING
5950 TEMERITY WAY
BULVERDE, TEXAS 78163
(210) 496-1175

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JUL 17 2017
COUNTY ENGINEER

FIELD NOTES
FOR

A 0.798 Acre Tract of Land (Ingress-Egress Easement) situated in Comal County, Texas and being out of Lot 4 of Beck Ranch Subdivision, Unit 1 as Recorded in Volume 7, Pages 133-137 of the Map and Plat Records of Comal County, Texas, said 0.798 Acres being further described as follows (Note: all set corners are $\frac{1}{4}$ " rebar with a pink cap marked T.G.S. RPLS 5753);

- BEGINNING: At a set $\frac{1}{4}$ " iron pin on the North Right-Of-Way line of Beck Road, for the Southeast Corner of this Tract, and the common corner of Lot 4 and Lot 5 of said subdivision;
- THENCE: Along the North Right-Of-Way line of Beck Road and the South line of said Lot 4, S 88° 26' 00" W, a distance of 60.02 feet to a set $\frac{1}{4}$ " iron pin for the Southwest corner of this Tract and a point on the South line of said Lot 4;
- THENCE: Leaving the North Right-Of-Way line of Beck Road crossing said Lot 4 the following calls: N 00° 00' 00" E, a distance of 312.12 feet to a set $\frac{1}{4}$ " iron pin, said iron pin being the start of a curve to the left, said curve having a radius of 250.00 feet, a length of 122.17 feet and a chord bearing of N 13° 59' 59" W and a chord distance of 120.96 feet to a set $\frac{1}{4}$ " iron pin, N 27° 59' 59" W, a distance of 83.02 feet to a set $\frac{1}{4}$ " iron pin for the Northwest corner of this Tract, a point on the North line of said Lot 4 and a point on the South line of a 12.580 Acre Tract of Land recorded in Document No. 200306011403 of the Official Public Records of Comal County, Texas;

THENCE:

With the North line of this Tract, the North line of said Lot 4 and the South line of said 12.580 Acre Tract, S 89° 44' 00" E, a distance of 128.24 feet to a found 1/4" iron pin for the Northeast corner of this Tract, the common corner of said Lot 4 and Lot 5 and a point on the South line of said 12.580 Acre Tract;

THENCE:

With the East line of this Tract, the common line of said Lot 4 and Lot 5, S 00° 00' 00" W, a distance of 500.35 feet to the POINT OF BEGINNING and containing 0.798 Acres, Surveyed by Third Generation Surveying on the October 18, 2011.



Joseph H. Cash II
Joseph H. Cash II Registered Professional Land Surveyor No. 5753
Drawing Prepared
Job #11-114

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JUL 17 2017
COUNTY ENGINEER

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

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Todd & Ashley Knutson**
30989 Beck Road
Bulverde, TX 78163

Printed: 11/15/2019
Site: 30989 Beck Road
Bulverde, TX 78163
(972) 623-8696

Permit #: **106217**

Agency: Comal County Environmental Health
County: Comal Sub: Beck Ranch
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Surface Application

Customer ID: 4727
Contract Dates: 3/21/2019 - 3/21/2021
Scheduled Date: 11/21/2019 Inspection 2 of 6
Installed: 11/1/2018
Warranty End: 11/1/2020

Service Type: Scheduled Inspection

Visit Date: 11/12/2019 Time In: 5:15pm

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"

Entered By: Adela Shapiro

- Copy emailed to Customer
Customer Emailed: 11/13/2019
- Copy emailed to the Agency
Agency Emailed: 11/15/2019

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0mg/L

Sludge Levels

For Tank 1: 0-1

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Problem Indicated

Odor: Good

Alarm: Operational

Service Completed

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*
- Technician noted that there was a problem or issue with this Scheduled Inspection.
- Attention: Chlorine Residual reading was ZERO - Copy emailed to the customer on 11/13/2019.

Insp ID #: 28583

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: **Todd & Ashley Knutson**
30989 Beck Road
Bulverde, TX 78163

Printed: 3/19/2020
Site: 30989 Beck Road
Bulverde, TX 78163
(972) 623-8696

Permit #: **106217**

Agency: Comal County Environmental Health
County: Comal Sub: Beck Ranch
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Surface Application

Customer ID: 4727

Contract Dates: 3/21/2019 - 3/21/2021

Scheduled Date: 3/21/2020

Inspection 3 of 6

Installed: 11/1/2018

Warranty End: 11/1/2020

Service Type: Scheduled Inspection

Visit Date: 3/12/2020

Time In: 4:26P

Method: Other

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0mg/L

Sludge Levels

For Tank 1: 0-1

Chlorinator: Op

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*
- Technician noted that there was a problem or issue with this Scheduled Inspection.
- Attention: Chlorine Residual reading was ZERO
- Please add chlorine to your system monthly as required, per the terms of your contract.
- Please treat for ants, they will mound inside/around the air compressor and will ruin the electrical and void any warranties. - Copy emailed to the customer on 3/16/2020.

This counts as a type of "Scheduled Inspection"

Entered By: Dolores Castaneda

Copy emailed to Customer

Customer Emailed: 3/16/2020

Copy emailed to the Agency

Agency Emailed: 3/19/2020

Problem Indicated

Service Completed

Insp ID #30715

Provider: *Michael J. Long*

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

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Todd & Ashley Knutson**
30989 Beck Road
Bulverde, TX 78163

Printed: 7/17/2020
Site: 30989 Beck Road
Bulverde, TX 78163
(972) 623-8696

Permit #: **106217**

Agency: Comal County Environmental Health
County: Comal Sub: Beck Ranch
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Surface Application

Customer ID: 4727
Contract Dates: 3/21/2019 - 3/21/2021
Scheduled Date: 7/21/2020 Inspection 4 of 6
Installed: 11/1/2018
Warranty End: 11/1/2020

Service Type: Scheduled Inspection

Visit Date: **7/10/2020** Time In: 9:15am

Method: **Other**

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0mg/L

Sludge Levels

For Tank 1: 0-1

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 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*

- Technician noted that there was a problem or issue with this Scheduled Inspection.
- Attention: Chlorine Residual reading was ZERO - Copy emailed to the customer on 7/10/2020.

This counts as a type of "Scheduled Inspection"

Entered By: Adela Shapiro

- Copy emailed to Customer
Customer Emailed: 7/10/2020
- Copy emailed to the Agency
Agency Emailed: 7/17/2020

Problem Indicated

Service Completed

Insp ID #:32741

Provider: *Michael J. Long*

License Info: 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: **Todd & Ashley Knutson**
30989 Beck Road
Bulverde, TX 78163

Printed: 11/13/2020
Site: 30989 Beck Road
Bulverde, TX 78163
(972) 623-8696

Permit #: **106217**

Agency: Comal County Environmental Health
County: Comal Sub: Beck Ranch
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Surface Application

Customer ID: 4727
Contract Dates: 3/21/2019 - 3/21/2021
Scheduled Date: 11/21/2020 Inspection 5 of 6
Installed: 11/1/2018
Warranty End: 11/1/2020

Service Type: Scheduled Inspection

Visit Date: **11/12/2020**

Time In: 8:48am

Method: **Other**

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

This counts as a type of "Scheduled Inspection"

Entered By: Ashley Nicole Larcom

Copy emailed to Customer

Customer Emailed: 11/12/2020

Copy emailed to the Agency

Agency Emailed: 11/13/2020

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0mg/L

Sludge Levels

For Tank 1: 0-1

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Problem Indicated

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* - Attention: Chlorine Residual reading was ZERO - Technician noted that there was a problem or issue with this Scheduled Inspection. - Copy emailed to the customer on 11/12/2020.

Insp ID #:34815

Provider: *Michael J. Long*

License Info: 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: **Todd & Ashley Knutson**
30989 Beck Road
Bulverde, TX 78163

Printed: 4/5/2021
Site: 30989 Beck Road
Bulverde, TX 78163
(972) 623-8696

Permit #: **106217**

Agency: Comal County Environmental Health
County: Comal Sub: Beck Ranch
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Surface Application

Customer ID: 4727
Contract Dates: 3/21/2019 - 3/21/2021
Scheduled Date: 3/21/2021 Inspection 6 of 6
Installed: 11/1/2018
Warranty End: 11/1/2020

Service Type: Scheduled Inspection

Visit Date: **3/12/2021**

Time In: 8:50

Method: **Other**

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Sludge Levels

For Tank 1: 0-1

This counts as a type of "Scheduled Inspection"

Entered By: Brianna Perez

- Copy emailed to Customer
Customer Emailed: 3/15/2021
- Copy emailed to the Agency
Agency Emailed: 4/5/2021

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

Comments

Service Completed

- *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* - ***This was your FINAL inspection for your current contract, please call (210) 875-3625 to renew your contract, to stay in compliance*** - Technician Secured the Tank Lid and/or Riser prior to leaving location. - Copy emailed to the customer on 3/15/2021.

Insp ID #:36899

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2022



MJ Central Texas Septic, LLC - DBA MJ SEPTIC

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

Residential Aerobic Maintenance Contract
Licensed by T.C.E.Q. Michael J. Long, MP 0001294

The Texas Commission on Environmental Quality (TCEQ) requires 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 the homeowner(s). Please note our business hours are Monday - Friday 8am to 5pm

- **INSPECTIONS:** An inspection every four months (three times annually) which includes inspecting/servicing 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 always have full access to your system, including all gate codes, combination locks etc. to inspect your system.
- **SERVICE CALLS:** If a service call is required by homeowner(s) 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, disconnected airlines, timer adjustments, spray head adjustments and system power failure.
- **REPAIRS:** If repairs or replacement of parts are needed during routine inspection, we will attempt to contact the homeowner(s) for approval to make onsite repairs. If we are unable to repair/replace parts onsite, the 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 in time, ALL WARRANTED items are VOIDED.
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 place with MJ Septic.
- **CLEANING/PUMPING:** The cleaning/pumping of your ATU is not included in your maintenance contract. We always recommend pumping between 10-12" of sludge. We determine this by gathering 3-4 different readings out of your pump tank with a sludge judge. A few other factors that *may* determine pumping is necessary even if your sludge reading is less than 10-12". **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**



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Residential Aerobic Maintenance Contract
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- **CHLORINE SUPPLY:** *The homeowner(s) is responsible for maintaining their own 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 ½-4 gallons of liquid chlorine/bleach at a time. For tablet chlorinators, property/business owner(s) can purchase Calcium Hypochlorite tablets typically purchased at a local Home Depot or Lowe's. **DO NOT USE POOL TABLETS** (*this can cause a dangerous volatile chemical reaction*).
- **TRANSFER OF MAINTENANCE CONTRACT/PROPERTY OWNERSHIP:** The fee of this maintenance contract is non-refundable, however is fully transferable to the homeowner(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 the transfer contract is signed (by the new homeowner(s)) and returned to us. The new homeowner(s) will be emailed a copy of the powerpoint orientation, if it was an MJ Septic installation, once the signed contract is received on file with our office.
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.
- **ALTERATIONS/MODIFICATIONS TO THE SYSTEM:** Do not allow alteration to any part of the system or sprinkler head locations. Alterations would put the system out of county/code 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 void any warranties and be considered as a breach of this maintenance contract. If a client chooses to purchase and use their own parts, MJ Septic will not install nor work on these parts. Adding pools, decks, sport courts, outdoor kitchens, sheds etc. without proper septic design and county permitting is not acceptable. You must have a septic designer redesign your septic system and have permitting authority's approval prior to any additions being made. MJ Septic is not liable for any fines you may incur from illegal modifications.
- **WARRANTY VIOLATIONS:** 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 OSSF/ATU. Refusing to clean/pump out septic when recommended and/or replacing necessary parts as needed. Necessary treatment of ants. Homeowners 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 tanks, lids, etc. Adding pools, decks, sport courts, outdoor kitchens, sheds etc. without proper septic design and county permitting is not acceptable. You must have a septic designer redesign your septic system and have permitting authority's approval prior to any additions being made. MJ Septic is not liable for any fines you may incur from illegal modifications.



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Residential Aerobic Maintenance Contract
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TERMS OF PAYMENT: Payment is due in full for the maintenance contract at time of signing. A credit card will be required at time of booking any service for parts, repairs, cleaning/pumping, service calls, red lights, etc. unless otherwise specifically noted. MJ will not perform any repairs or pumping unless we have a credit card on file. MJ Septic no longer accepts payment onsite, whether it be a check or credit card and we no longer offer billing/invoicing for future payments; this is a strict office policy, no exceptions.

1 YEAR	2 YEAR	3 YEAR	2 YEAR INITIAL	Additional Information
\$285	✓ \$530	\$675	Included with Installation	Homeowner(s) are NOT required to be present at inspections. Please note, clients will receive an emailed notice 5-7 business days prior to your scheduled inspection, this is your only notification we will send. A door hanger will be left if no one is home. Inspection reports are emailed/mailed within a few business days to the email/mailling address of record, please check your spam folder. If you have not received it after 72 hours please email or call our office.

- **MAINTENANCE TIPS/SEPTIC GUIDE:** Please retain the attached Maintenance Tips/Septic Guide for future reference. Please note our business hours are Monday - Friday 8am to 5pm, should you have an emergency during non-business hours, please look this over and follow the necessary steps until you can reach us during normal business hours!
- If you are unable to reach us during business hours, you can leave a voicemail or send an email (we attempt to respond to emails during weekends and holidays as best as we can!)

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 agreed to the maintenance contract guidelines stated above and have also read and agreed to comply with the Maintenance Tips/Septic Guide. MJ Septic reserves the right to make amendments to this document at any time and the homeowner will be responsible for signing an updated version for office and county records.

Please note, clients will receive an emailed notice 5-7 business days prior to your scheduled inspection, this is your only notification we will send. (MJ Septic will assess a \$75 re inspection/missed inspection fee if we are not granted access to complete your inspection on the date assigned, aggressive dogs, etc)

Property Address: 30989 Beck Road City: Bulverde Zip Code: 78163

Client Name: Todd & Ashley Knutson

Contract Start Date: 3/21/2021 Contract End Date: 3/21/2023 Total Fee Paid: \$530 paid 6/15/2021

Permitting Authority: Comal County #106217 Subdivision Gate Code: Na Property Gate Code: Na

Subdivision: None Number in Household: 5 Aggressive Dogs: None

Email Address: Tknuts86@me.com Email Address: Tknuts86@me.com

Cell Phone (his/hers): 9726238696 Cell Phone (his/hers): 9726238228 Home Phone: Na

Client Approval Signature:  Date of Client Acceptance: 06 / 15 / 2021

MJ Central Texas Septic, LLC Authorized Signature:  Date of MJ Approval: 06 / 15 / 2021



Maintenance Tips/Septic Guide

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

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, 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 be alarmed (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@mjseptic.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! Please note, in extreme weather conditions, excessive heavy rains can and will cause your septic alarm and sprinkler heads to discharge, this is normal, the water is being relieved from the tank. If your alarm light stays on well after the rains have ceased, please call us to get a technician out to your property.
- **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 so 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 killers can be used to treat if mounds occur. Ants will ruin electrical components 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 electricity. 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).
- **MISC INFO I:** An aerobic system should not be treated as a 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 your laundry in the same day (you must space out 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.
- **MISC INFO II:** 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 harsh cleaners, excessive use of fabric softener, excessive use of bleach, cigarette butts, feminine wipes, baby wipes, facial wipes, cleaning wipes, any type of wipes, feminine products, paper towels, condoms, q-tips, paint and/or paint thinners, varnishes, drain cleaners, automatic toilet bowl cleaners, hair combings, pet hair, coffee grounds, fruit, fruit peels, 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" still may not be ultimately safe for your aerobic treatment unit and cannot potentially cause the homeowner additional expenses for repairs and pumping.
- **MISC INFO III:** We take sludge level readings at every routine inspection (every four months) unless the system has been shut off/power failure or the system is overflowing. 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/pumped 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.

TITLE	30989 Beck Rd Bulverde, TX 78163 (Knutson...
FILE NAME	Residential Maint...ion 06_02_21).pdf
DOCUMENT ID	2c5d2331f05bcecb989f67259782b7a0af72643b
AUDIT TRAIL DATE FORMAT	MM / DD / YYYY
STATUS	Completed

Document History



SENT

06 / 15 / 2021
14:42:27 UTC-5

Sent for signature to Todd & Ashley Knutson (tknuts86@icloud.com) and Catherine Jefferson (cat@mjseptic.com) from cat@mjseptic.com
IP: 97.105.73.226



VIEWED

06 / 15 / 2021
14:44:13 UTC-5

Viewed by Todd & Ashley Knutson (tknuts86@icloud.com)
IP: 104.182.161.229



SIGNED

06 / 15 / 2021
14:48:40 UTC-5

Signed by Todd & Ashley Knutson (tknuts86@icloud.com)
IP: 104.182.161.229



VIEWED

06 / 15 / 2021
14:56:46 UTC-5

Viewed by Catherine Jefferson (cat@mjseptic.com)
IP: 97.105.73.226



SIGNED

06 / 15 / 2021
14:57:45 UTC-5

Signed by Catherine Jefferson (cat@mjseptic.com)
IP: 97.105.73.226



COMPLETED

06 / 15 / 2021
14:57:45 UTC-5

The document has been completed.

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

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Todd & Ashley Knutson**
30989 Beck Road
Bulverde, TX 78163

Printed: 7/30/2021
Site: 30989 Beck Road
Bulverde, TX 78163
(972) 623-8696

Permit #: **106217**

Agency: Comal County Environmental Health

County: Comal

Sub: Beck Ranch

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

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 4727

Contract Dates: 3/21/2021 - 3/21/2023

Scheduled Date: 7/21/2021

Inspection 1 of 6

Installed: 11/1/2018

Warranty End: 11/1/2020

Service Type: Scheduled Inspection

Visit Date: **7/22/2021**

Time In: 7:30 pm

Method: **Other**

Technician: Manuel Guerrero

Maint. Provider: Michael J. Long

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1 mg/L

Sludge Levels

For Tank 1: 0"

Chlorinator: Op

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. - Tech reset your timer. - *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 7/27/2021.

Service Completed

Insp ID #:39277

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2022

MJ Septic, LLC
1328 W Borgfeld
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Todd & Ashley Knutson**
30989 Beck Road
Bulverde, TX 78163

Printed:3/11/2022
Site: 30989 Beck Road
Bulverde, TX 78163
(972) 623-8696

Permit #: **106217**
Agency: Comal County Environmental Health
County: Comal Sub: Beck Ranch
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Surface Application

Customer ID: 4727
Contract Dates: 3/21/2021 - 3/21/2023
Scheduled Date: 3/21/2022 Inspection 3 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: 3/8/2022

Time In: 240 pm

Entered By: Tracy Murphy

Method: Other

Copy emailed to Customer
Customer Emailed: 3/9/2022

Technician: Deaundrae Ross

Copy emailed to the Agency
Agency Emailed: 3/11/2022

Maint. Provider: Michael J. Long

Aerators: Operational

Sludge Levels

Filters: Operational

For Tank 1: 0"

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

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* - Copy emailed to the customer on 3/9/2022.

Insp ID #:43433

Provider: Michael J. Long

License Info: MP0001294 Expires: 8/31/2022

MJ Septic, LLC
1328 W Borgfeld
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Todd & Ashley Knutson**
30989 Beck Road
Bulverde, TX 78163

Printed: 12/9/2022
Site: 30989 Beck Road
Bulverde, TX 78163
(972) 623-8696

Permit #: **106217**

Agency: Comal County Environmental Health
County: Comal Sub: Beck Ranch
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Surface Application

Customer ID: 4727

Contract Dates: 3/21/2021 - 3/21/2023
Scheduled Date: 11/21/2022 Inspection 5 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: **11/2/2022**

Time In: 6:31 pm

Entered By: Audrey Miller

Method: Other

Copy emailed to Customer
Customer Emailed: 11/3/2022

Technician: Paul Chavarria

Copy emailed to the Agency
Agency Emailed: 12/9/2022

Maint. Provider: Michael J. Long

Aerators: Operational

Sludge Levels

Filters: Operational

For Tank 1: 2"

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

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

- Tech reset your timer.
- 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 11/3/2022.

Insp ID #:48061

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2025

MJ Septic, LLC
1328 W Borgfeld
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Todd & Ashley Knutson**
30989 Beck Road
Bulverde, TX 78163

Printed: 7/28/2023
Site: 30989 Beck Road
Bulverde, TX 78163
(972) 623-8696

Permit #: **106217** Customer ID: 4727
Agency: Comal County Environmental Health Contract Dates: 3/21/2023 - 3/21/2024
County: Comal Sub: Beck Ranch Scheduled Date: 3/21/2023 Inspection 6 of 6
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP Installed: 11/1/2018
Treatment Type: Aerobic Warranty End: 11/1/2020
Disposal: Surface Application

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"

Visit Date: 3/10/2023

Time In: 1:26 pm

Out: 1:39 pm

Entered By: Audrey Miller

Method: Other

Copy emailed to Customer

Customer Emailed: 3/13/2023

Technician: Steve Chavarria

Copy emailed to the Agency

Agency Emailed: 7/28/2023

Maint. Provider: Michael J. Long

Aerators: Operational

Sludge Levels

Filters: Operational

For Tank 1: 0-1"

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

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

- ***This was your FINAL inspection for your current contract, please call (210) 875-3625 to renew your contract, to stay in compliance***

- Tech reset your timer. - 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 3/13/2023.

Insp ID #:50743

Provider: Michael J. Long

License Info: MP0001294 Expires: 8/31/2025

MJ Septic, LLC
1328 W Borgfeld
San Antonio, TX 78260

Phone: (210) 875-3625

www.mjseptic.com mjseptic@mjseptic.com

To: **Todd & Ashley Knutson**
30989 Beck Road
Bulverde, TX 78163

Printed: 7/28/2023
Site: 30989 Beck Road
Bulverde, TX 78163
(972) 623-8696

Permit #: **106217**

Agency: Comal County Environmental Health
County: Comal Sub: Beck Ranch
Mfg / Brand: Pro Flo Aerobic Systems, LP - Pro Flo Aerobic Systems, LP
Treatment Type: Aerobic
Disposal: Surface Application

Customer ID: 4727
Contract Dates: 3/21/2023 - 3/21/2024
Scheduled Date: 7/21/2023 Inspection 1 of 3
Installed: 11/1/2018
Warranty End: 11/1/2020

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"

Visit Date: **7/8/2023**

Time In: 2:07 pm

Out: 2:16 pm

Entered By: Brianna Perez

Method: Other

Copy emailed to Customer
Customer Emailed: 7/14/2023

Technician: Steve Chavarria

Copy emailed to the Agency
Agency Emailed: 7/28/2023

Maint. Provider: Michael J. Long

Aerators: Operational

Sludge Levels

Filters: Operational

For Tank 1: 0-1"

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

Comments

Service Completed

- Tech reset your timer. - 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 7/14/2023.

Insp ID #:53441

Provider: *Michael J. Long*

License Info: MP0001294 Expires: 8/31/2025