

Comal County

OFFICE OF COMAL COUNTY ENGINEER

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: **06/20/2019** Permit Number: **108525**

Location Description: 1034 EAGLE POINT DR
FISCHER, TX 78623

Subdivision: Eagles Peak Ranch

Unit: 2

Lot: 163AP

Block:

Acreage:

Type of System: Aerobic
Surface Irrigation

Issued to: Richard R. & Patricia S. Mendel

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

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

Alterations to this permit including, but not limited to:

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

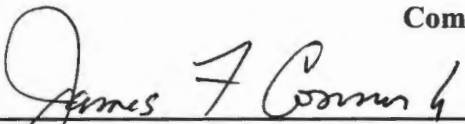
may require a new permit. **It is the responsibility of the owner to apply for a new permit, if applicable.**

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

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

Licensing Authority

Comal County Environmental Health


ENVIRONMENTAL HEALTH INSPECTOR

OS0032485


ENVIRONMENTAL HEALTH COORDINATOR
OS 0025599

G.C. 3333

11:30

Comal County Environmental Health
OSSF Inspection Sheet

FINAL 6-20-19
- Covered JC

Installer Name: Sam Payne OSSF Installer #: 050025141
 1st Inspection Date: 2.26.19 2nd Inspection Date: 3/12/19 3rd Inspection Date: 4.8.19
 Inspector Name: J. Helmke Inspector Name: mike T. Inspector Name: Andrew D.
 Permit #: 108525 Address: 1034 Eagle Point Dr - Eagles Peak Ranch

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)(vi) 285.30(b)(1)(A)(vii) 285.30(b)(1)(A)(viii)	existing	2.26.19	3/12/19	
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	✓	285.91(10) 285.30(b)(4) 285.31(d)	↓			
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	✓	285.32(a)(1)				
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	✓	285.32(a)(3)				
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	✓	285.32(a)(5)				
6	PRETREATMENT Installed (if required) TCEC 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)(C)(iii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(A) 285.32(b)(1)(E)(i)(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)				

2.26.19 - SH

tank set, level in spray
operational area before
ready for cover final

removal
cover racks

MT-3/12/19
not covered

4.8.19

not covered

6-20-19 x
COVERED

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Answer	Citation	Notes	1st Insp.	2nd Insp.	3rd Insp.	
8	SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK # Single Tank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and 9" 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)(2)(E)(iii) 285.32(b)(1)(1)(iv)(v)(vi) 285.32(b)(1)(E)(ii)(i) 285.32(b)(1)(E)(i) 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)		2-26-19			
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 Rd 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	✓		750				
14	AEROBIC TREATMENT UNIT Size Installed	✓		800				
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	✓		AQUAKLEAR				
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**

Final

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)	<i>aerobic spray</i>			✓
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)(CH1)				

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Number	Options	Notes	1st Insp.	2nd Insp.	3rd Insp.
32	<p>EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling</p> <p>EFFLUENT DISPOSAL SYSTEM</p> <p>Topographic Slopes</p> <p>< 2.0% EFFLUENT DISPOSAL SYSTEM</p> <p>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</p> <p>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>				
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>	✓			2-26-19		
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>						

PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried	/		/		/
---	---	--	---	--	---

Comal County Environmental Health
OSSF Inspection Sheet

11:30

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: Sam Payne OSSF Installer #: 050025141
 1st Inspection Date: 2.26.19 2nd Inspection Date: 3/12/19 3rd Inspection Date: 4.8.19
 Inspector Name: J Helmke Inspector Name: mike T. Inspector Name: Amerre D.

Permit#: 108525 Address: 1034 Eagle Point Dr - Eagles Peak Ranch

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)	existing	2.26.19	3/12/19	
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	✓	285.91(10) 285.30(b)(4) 285.31(d)	↓			
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	✓	285.32(a)(1)				
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	✓	285.32(a)(3)				
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	✓	285.32(a)(5)				
6	PRETREATMENT Installed (if required) TCEC 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)				

2.26.19 - SH

tank set, level in spray
operational area before
ready for cover final

mt-3/12/19
not covered

4.8.19

not covered

**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)(I) 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)			2-26-19	
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	✓		750			
14	AEROBIC TREATMENT UNIT Size Installed	✓		800			
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	✓		AQUAKLEAR			
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>	✓			2.26.19		
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						
39 Junction Boxes / Wiring Buried						

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?	✓	285.33(d)(2)(G)(iii)(ii) 285.33(d)(2)(G)(iii)(iii) 285.33(d)(2)(G)(v) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(i)		2-26-19		
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)	<i>operational</i>			
42	APPLICATION AREA Area Installed	✓		2 @ 3421			
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

11:30

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: Sam Payne OSSF Installer #: 050025141
 1st Inspection Date: 2.26.19 2nd Inspection Date: 3/12/19 3rd Inspection Date: _____
 Inspector Name: J. Helmke Inspector Name: mike T. Inspector Name: _____
 Permit#: 108525 Address: 1034 Eagle Point Dr - Eagles Peak Ranch

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)	existing	2.26.19	3/12/19	
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	✓	285.91(10) 285.30(b)(4) 285.31(d)	↓			
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	✓	285.32(a)(1)				
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	✓	285.32(a)(3)				
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	✓	285.32(a)(5)				
6	PRETREATMENT Installed (if required) TCEQ Approved List PRETREATMENT Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(G)285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(iv) 285.32(b)(1)(F) 285.32(b)(1)(B) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(A) 285.32(b)(1)(E)(ii)(i) 285.32(b)(1)(E)(i) 285.32(b)(1)(E)(ii)(i)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

2.26.19 - SH

tank set, level
operational
ready for cover

removal
cover rocks
in spray
area before
final

MT-3/12/19
NOT COVERED

**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)		2-26-19			
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	✓		750				
14	AEROBIC TREATMENT UNIT Size Installed	✓		800				
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	✓		AQUAKLEAR				
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>	✓			2.26.19		
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						
----	---	--	--	--	--	--	--

**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)		2-26-19		
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)	operational			
42	APPLICATION AREA Area Installed	✓		2 @ 3421			
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						

[Search Page](#)[Search Results](#)[Search Options](#)[CR Q](#)

TCEQ Search Licensing or Registration Information

License Detail

To report a change of address, phone number, or email address, please fill out the form located at <http://www.tceq.texas.gov/licensing/forms/contactupdate>.

CN: CN602581712
Name: PAYNE, SAMUEL R
Address: 1201 ARBOR LN
City: MARBLE FALLS
State: TX
ZIP: 78654-4547
County: BURNET
Work Phone: 512-755-0926

License(s)

There were 3 licenses found.

Program ?	License Type and Level ?	License Number ?	Last Issued Date ?	Exp. Date ?	License Status ?	CE Hours ?
OSSFOL	OSSF INSTALLER II	OS0025141	07/06/2017	06/30/2020	CURRENT	0
OSSFOL	OSSF MAINTENANCE PROVIDER	MP0000776	10/31/2017	10/31/2020	CURRENT	0
OSSFOL	OSSF APPRENTICE	OS0019328	08/12/2005	09/30/2007	EXPIRED	N/A

Note: The number of CE hours needed in order to renew a license is based on the term (length) of each license. Please go to the program page for the license you hold to determine the number of CE hours needed and to view the latest information and renewal requirements for your license.

Application(s) within the Last 2 Years

There were 2 applications found.

Program ?	Type and Level ?	App. Type ?	App. Status ?	App. Review Date ?	App. Expiration Date ?	Deficiency Letter Date ?	Total Hours ?
OSSFOL	OSSF MAINTENANCE PROVIDER	RENEWAL	LICISSUED	10/31/2017	11/30/2017	No Deficiency	138
OSSFOL	OSSF INSTALLER II	RENEWAL	LICISSUED	07/06/2017	07/30/2017	No Deficiency	138

Course(s)

There were 14 courses found. **Note:** You may see the same course listed multiple times. This occurs because the course counted towards multiple license programs.

Program ?	Course Title	Course Code ?	Hours ?	Date ?	Provider
-----------	--------------	---------------	---------	--------	----------

11:00

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: Sam Payne OSSF Installer #: 050025141

1st Inspection Date: 2.26.19 2nd Inspection Date: _____ 3rd Inspection Date: _____

Inspector Name: J Helmke Inspector Name: _____ Inspector Name: _____

Permit#: 108525 Address: 1034 Eagle Point Dr - Eagles Peak Ranch

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)	existing	2.26.19		
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards	✓	285.91(10) 285.30(b)(4) 285.31(d)	↓			
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)	✓	285.32(a)(1)				
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot	✓	285.32(a)(3)				
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)	✓	285.32(a)(5)				
6	PRETREATMENT Installed (if required) TCEQ Approved List PRETREATMENT Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(G)285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(iv) 285.32(b)(1)(F) 285.32(b)(1)(B) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(A) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(i) 285.32(b)(1)(E)(ii)(I)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

2.26.19 - SH

tank set, level operational ready for cover

removal cover rocks in spray area before final

**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)(i)(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)		2-26-19		
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	✓		750			
14	AEROBIC TREATMENT UNIT Size Installed	✓		800			
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number	✓		AQUAKLEAR			
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**

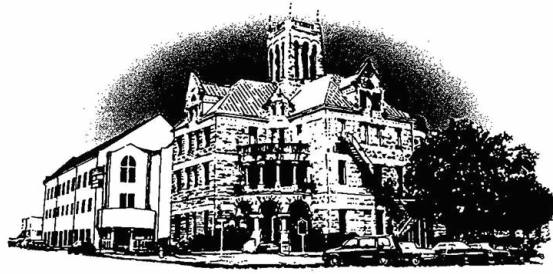
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
32	<p>EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling</p> <p>EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0%</p> <p>EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field (1000 Linear ft. for 2 bedrooms or Less & 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>	✓			2.26.19		
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						
----	---	--	--	--	--	--	--

**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)(I)285.33(d)(2)(G)(iii)(II)285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(I)		2-26-19		
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)	operational			
42	APPLICATION AREA Area Installed	✓		2 @ 3421			
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: 108525
Issued This Date: 01/17/2019
This permit is hereby given to: Richard R. & Patricia S. Mendel

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

1034 EAGLE POINT DR
FISCHER, TX 78623

Subdivision: Eagles Peak Ranch
Unit: 2
Lot: 163AP
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.

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

REVISED
10:45 am, Jan 17, 2019

Date 12-10-2018

Permit # _____

Owner Name Richard R. & Patricia S. Mendel
Mailing Address 12719 Scouts
City, State, Zip Cypress, Texas 77429
Phone # _____
Email _____

Agent Name Billy Jack Payne
Agent Address 2301 CR 120
City, State, Zip Marble Falls, Texas 78654
Phone # 512-755-2871
Email billyjack@bjpconst.com

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

Subdivision Name Eagles Peak Ranch 2 Unit _____ Lot 163AP Block _____

Acreage/Legal 3.6

Street Name/Address 1034 Eagles Point Drive City Fischer Zip 78623

Type of Development:

Single Family Residential

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

Number of Bedrooms 4

Indicate Sq Ft of Living Area 4732

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: \$ _____ (Structure Only)

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

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

Source of Water Public Private Well

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

By signing this application, I certify that:

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

Richard R. Mendel
Signature of Owner

12-10-2018
Date

Amended 01-17-2018

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

Planning Materials & Site Evaluation as Required Completed By Frank Powell R.S.

System Description Aerobic Treatment with surface spray irrigation

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

Tank Size(s) (Gallons) 1250 Absorption/Application Area (Sq Ft) 6563

Gallons Per Day (As Per TCEQ Table III) 420 GPD / 720 GPD

(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.)

RECEIVED
DEC 20 2018

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.)

COUNTY ENGINEER

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.

Frank Powell R.S. fkpent@gmail.com
Signature of Designer

12-10-2018
Date

STATE OF TEXAS
COUNTY OF COMAL
HCB

AFFIDAVIT



201806047400 12/13/2018 08:30:43 AM 1/2

According to the 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 (TCEQ) to regulate OSSFs. Additionally, the Texas Water Code (TWC), §5.012 and §5.013, gives the TCEQ 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 TCEQ, under the authority of the TWC and the Texas Health and Safety Code, requires owners to provide notice to the public that certain types of OSSFs are located on specific pieces of property. To achieve this notice, the TCEQ 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 TECQ of the suitability of this OSSF, nor does it constitute any guarantee by the TCEQ 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 :

Eagles Peak Ranch 2, Lot 163A RECEIVED

DEC 20 2018

Comal County CAD ID# 24688
1034 Eagle Point Dr., Fischer Tx 78623

The property is owned by: Richard R. & Patricia S. Mendel

COUNTY ENGINEER

This OSSF shall 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, unless prohibited by local ordinance.

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 Comal County Office of Environmental Health, 195 David Jonas Dr., New Braunfels Tx 78132 ; 830-608-2090

WITNESS BY HAND(S) ON THIS 29 DAY OF October, 2018

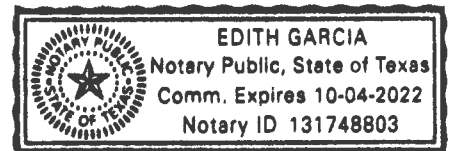
[Signature]
[Signature]
(Owner(s) signature(s))

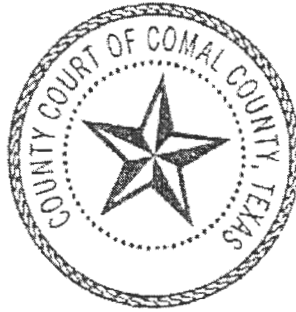
SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 29 DAY OF October, 2018

Notary Public, State of Texas Harris County

Notary's Printed Name: Edith Garcia

My Commission Expires: 10-04-22





This page has been added to comply with the statutory requirement that the clerk shall stamp the recording information at the bottom of the last page.

This page becomes part of the document identified by the file clerk number affixed on preceding pages.

RECEIVED
DEC 20 2018

COUNTY ENGINEER

Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
12/13/2018 08:30:43 AM
LAURA 2 Page(s)
201806047400



Bobbie Koepf

RECEIVED

By Brenda Ritzen at 9:47 am, Jan 02, 2019

Billy Jack's Construction Company
2301 CR 120
Marble Falls, TX 78654

Phone: (512) 755-2870

Date: 1/2/2019

billyjack@bjpconst.com

To: Richard R Mendel
12719 Scouts
Cypress, TX 77429

Contract Period

Start Date: 12/20/2018
End Date: 12/20/2020

Phone: _____ Subdivision: _____
Site: 1034 Eagle Point Dr., Fischer, TX 78623
County: Comal
Installer: _____
Agency: Comal County
Mfg/Brand: / AQUA KLEAR

Billy Jack's Construction Company
3 visits per year - one every 4 months
Map Key: _____ ID: 2145

This service contract for the On-Site Sewage-Facility, (OSSF), located at the site stated below, is to be inspected and serviced at regular intervals by a qualified technician. Special emergency service is to be within 48 hours of notification by homeowner or the owner's agent. The initial contract is for two (2) years from date of final septic system inspection. Renewals shall remain in effect for the specified dates listed above.

Service Program Includes:

1. Regular site inspection at 4 month intervals, 3 for a commercial OSSF.
2. OSSF maintenance; check aerator components for proper operation, check proprietary specific components, check pumps, check spray heads, check chlorine levels, check and clean any filters, check bull run and any other valves, flush system if needed.
3. Visual inspection of control panel, (when accessible).
4. Labor expenses required at the home to maintain, repair, or remove any part of the control center or mechanical aerator to be returned for factory repair.
5. Labor expenses required at the home to service, repair, or install any part of the control panel or aerator returned from factory.
6. Chlorine residual testing or Fecal Coliform testing at each regular site visit.

Clients Responsibilities:

7. Special service calls after the 3 (at the 4 month intervals) stated in item #1.
8. BODs or TSS grab samples, (if needed).
9. Freight costs to and from factory, for component repair.
10. Costs for replacing damaged or missing parts and repairing any equipment not under any specified warranty.
11. Pumping out of any or all of the OSSF by a licensed waste hauler.
12. The Homeowner is responsible for maintaining the chlorinator and providing proper chlorine supply if required.

Home Owner: Richard R Mendel Date: 12/20/18 Phone #: _____ Email: _____

Certified Inspector Billy Jack Payne MP0000051
Billy Jack Payne

Frank Powell R.S.

Texas Registered Sanitarian # 3115
 TCEQ Site Evaluator Registration # OS9949
 PO Box 272, Copeville, Texas 75121
 214.957.8831

OSSF Site Evaluation Report

Job Name/Homeowner:	Mendel Residence		
Address:	1034 Eagle Point Dr		
City, State, Zip:	Fischer	Texas	78623
Permit Agency:	Comal County Eng Off	County:	Comal
Installer Name:	Billy Jack Payne OS # 17968		
Designed By:	Frank Powell R.S.		
Date:	January 01, 2019	REVISED	Record # : 6156

SOIL BORING #1

DEPTH	SOIL CLASS	SOIL TEXTURE	GRAVEL ANALYSIS	SLOPE	DRAINAGE// WATER MOTTLES // TABLE	RESTRICTIVE HORIZON
0"-8"	Class III	Clay Loam	< 30%	20%	none//none	No
8"		Rock		20%	none//none	Yes

SOIL BORING #2

DEPTH	SOIL CLASS	SOIL TEXTURE	GRAVEL ANALYSIS	SLOPE	DRAINAGE// WATER MOTTLES // TABLE	RESTRICTIVE HORIZON
0"-8"	Class III	Clay Loam	< 30%	20%	none//none	No
8"		Rock		20%	none//none	Yes

SITE FEATURES

3.6 acre tract, moderately wooded, shallow soils to rock, slope is 1-3% around the house site and top of hill then it is downward to the southeast at about 20%. Soil is capable of sustaining vegetative growth. Public water supply. Existing system to be abandoned and upgraded. Existing Comal County permit # 80099.

OBSERVATIONS _____ Professional Design Required _____

Site Evaluator: *Frank Powell RS*

License # OS9949

Frank Powell R.S.

Texas Registered Sanitarian # 3115
 TCEQ Site Evaluator Registration # OS9949
 PO Box 272, Copeville, Texas 75121
 214.957.8831

Technical Information Sheet

Customer Name: Mendel Residence 1034 Eagle Point Dr County: Comal Record #: 6156

Professional Design Required?: Yes No If yes, professional design attached: Yes No

Soil Test: Type: N/A Rock Texture: Rock Structure: Massive

Sewer (House Drain): Pipe Size: 3" sch 40 PVC Pipe Slope: 1/8" per foot

Daily Wastewater Usage Rate: Q = 420 GPD Water saving devices: Yes

Criteria: Single Family ; 4 bedroom 4,732 SQ FT

Treatment Unit:

Septic Tank: No Aerobic Unit: Yes

Size Required: 720 Size Proposed: 800

Tank Dimensions: 82"W x 66"H x 140"L Liquid Depth (bottom of tank to outlet): 53"

Manufacturer: Aqua Klear Material / Model #: concrete AquaKlear AK800C

Pretreatment Tank: Yes Type: Built-In AquaKlear Unit

Other: 750 gallon pump tank with audio visual alarm.

Disposal System:

Type: Spray Irrigation Area Required : sq ft 6563 Area Proposed: sq ft 6844

Trench width or bed size: N/A Trench depth: N/A

Type and size of pipe: 1" sch 40 PVC; purple Barrier type: N/A

Backfill Material: Class III Material Other: 0

Design Setbacks:

The following items are required to be shown on all designs if located within 150' of proposed disposal area. This includes items on adjacent properties.

	APPLIES	N/A
1. Property Lines	X	-
2. Structures, foundations, or improvements	X	-
3. Swimming pool	X	-
4. Water lines and meters	X	-
5. Existing septic systems	X	-
6. Sharp slopes or breaks	-	X
7. Streams, ponds, or lakes	-	X
8. Wells or cisterns	-	X
9. Easements & flood zones	-	X



Designer: Frank Powell RS Registration # 3115 Date: February 15, 2019 AS BUILT

Frank Powell R.S.

Texas Registered Sanitarian # 3115
TCEQ Site Evaluator Registration # OS9949
PO Box 272, Copeville, Texas 75121
214.957.8831

Aerobic Spray Irrigation Design

Customer Name: Mendel Residence Builder: Billy Jack Payne OS # 17968
Address: 1034 Eagle Point Dr County: Comal
City: Fischer Record: 6156

DESIGN PARAMETERS:

Type of Dwelling: Single Family ; 4 bedroom Square Footage: 4,732 sq ft
Daily Waste Flow: 420 GPD* Effluent Loading Rate: 0.064 gal/sq ft/day
Required Irrigation Area: 6563 sq ft Design Irrigation Area: 6844 sq ft
** EMAN Required - Auto electronic Telemetry (RJR-SA-CAD Cellular Telemetry Model # AH864) No

SYSTEM PARAMETERS:

Treatment Capacity Required: 720 Pre-Treatment: Built-In AquaKlear Unit
Aeration Unit: AquaKlear AK800C Liquid Capacity: 2000 gallon
Treatment Capacity: 800 GPD Chlorinator: Built in Pump Tank Size: 750 gallon

DISPOSAL PARAMETERS:

Sprinkler Type:	Number	Nozzle Size	Flow Rate	Radius	Arc	Area	
K-Rain	1	3	3.1	33	360 degrees	3421	sq ft
K-Rain	2	3	3.1	33	360 degrees	3421	sq ft
K-Rain	3	0	0	0	0 degrees	0	sq ft
K-Rain	4	0	0	0	0 degrees	0	sq ft
K-Rain	5	0	0	0	0 degrees	0	sq ft
K-Rain	6	0	0	0	0 degrees	0	sq ft

Pump Specifications: 1/2 HP 20 GPM (STA-RITE 20D0M05121 or equivalent)

* With water saving devices

** Less overlap area 0 AS BUILT

Designed by: Frank Powell R.S.

Date: February 15, 2019



Spray Irrigation Calculation Sheet

Job Name/Homeowner:	Mendel Residence
Address:	1034 Eagle Point Dr
City, State, Zip:	Fischer Texas
Permit Agency:	Comal County Eng Off County Comal
Installer Name:	Billy Jack Payne OS # 17968
Designed By:	Frank Powell R.S.
Date:	February 15, 2019 Record # : 6156

Flow Rate:

There will be 4 sprinkler heads with a total flow rate of 6.2 gpm @ 30 psi.

Friction Loss:

Friction loss for a 1 inch schedule 40 PVC @ 6.2 gpm
 is about equal to 2.88 ft per 100' of pipe
 For 135 ft of pipe and 25% accounting for fittings, the friction would be:

	<u>1.35</u>	ft of pipe	3.88	ft of friction =	5.24	friction loss
		25% x	5.24	ft of friction =	1.31	friction loss
	5.24	ft +	1.31	ft =	6.55	Total Friction Loss

Total Friction Head:

Elevation distance from the pump to the field is approximately equal to 5 feet.
69 ft pressure head + 5 ft elevation head + 6.55 ft friction head = 81 feet

Dosing Volume:

The tank volume is 750 gallons The tank inlet height is 49 inches.
 The pump float switch will be 7" off the floor and on a tether ranging at 9 inches.
 This will give a dosing volume of 138 gallons.
 This system will be on timer for nightly application between 12:00 am to 5:00 am No
 The alarm float will be at a level off of the floor of about 19 inches.
 This will give a storage volume of 459 gallons.

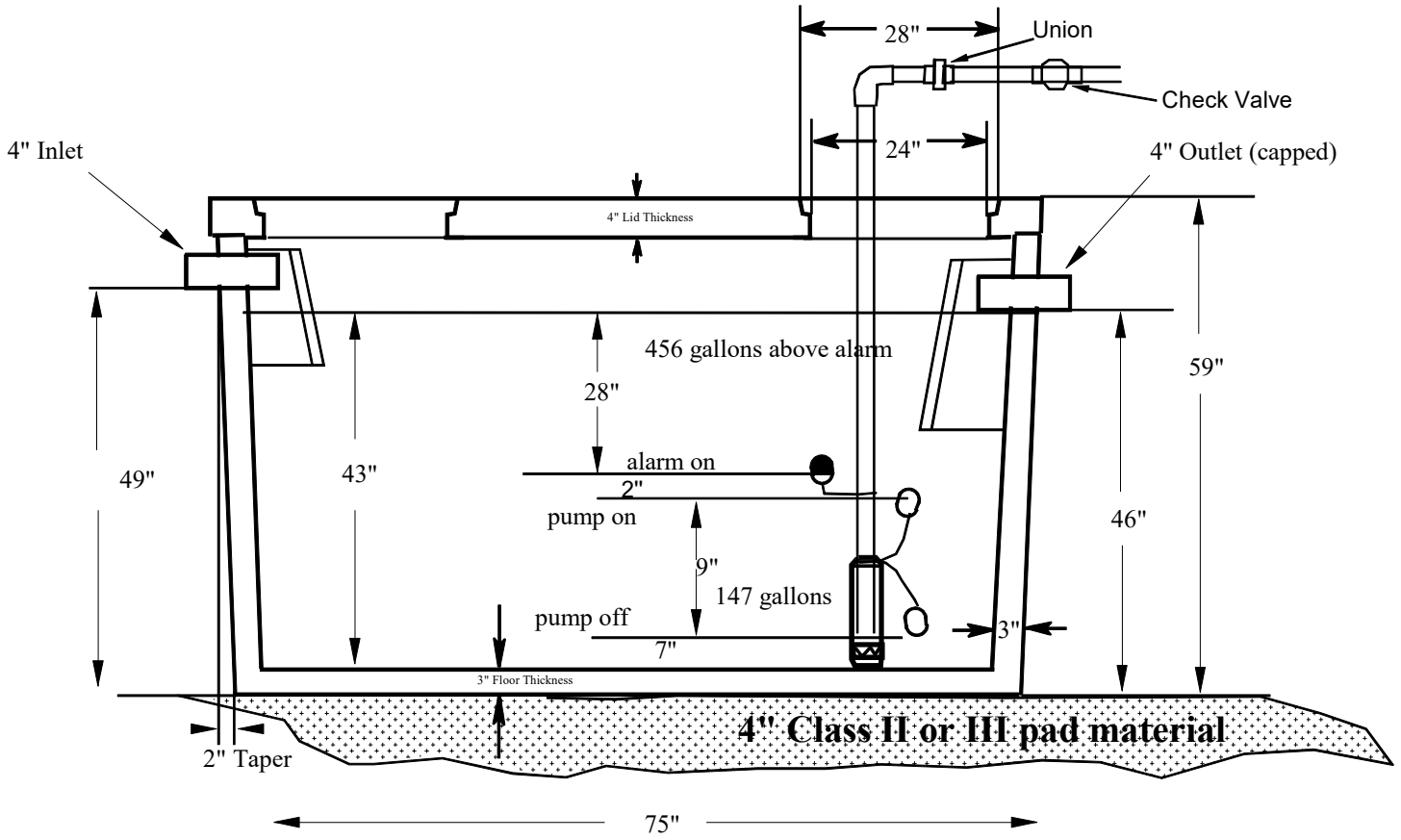
Frank Powell RS

AS BUILT
2/15/2019



750 Gallon Pump Tank Profile

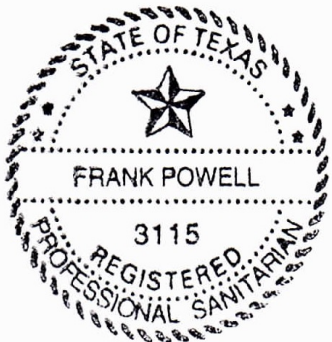
DEPTH MAY VARY BUT NOT TO EXCEED 12 INCHES, UNLESS A RISER IS INSTALLED ON EACH CLEAN OUT AND EXTENDS TO NO MORE THAN SIX INCHES BELOW THE GROUND SURFACE. IF RISERS ARE AT THE SURFACE, THEN UNAUTHORIZED ACCESS MEASURES MUST CONFORM TO TITLE 30, TAC CHAPTER 285.38



TANKS WILL BE BEDDED AND BACKFILLED WITH CLASS II OR CLASS III MATERIAL

Pump Chamber measurements

750 gallons / 46 inches = 16.3 gallons per inch
 7" x 16.3 = 114.2 gallons for priming
 9" x 16.3 = 146.7 gallons for dosing
 28" x 16.3 = 456.5 gallons storage above alarm



Frank Powell R.S.

Frank Powell R.S.

Texas Registered Sanitarian # 3115
 TCEQ Site Evaluator Registration # OS9949
 PO Box 272, Copeville, Texas 75121
 214.957.8831

REVISED

8:24 am, Jan 16, 2019

Technical Information Sheet



Customer Name: Mendel Residence County: Comal Record #: 6156

Professional Design Required?: Yes If yes, professional design attached: Yes

Soil Test: Type: N/A Texture: Rock Structure: Massive

Sewer (House Drain): Pipe Size: 3" sch 40 PVC Pipe Slope: 1/8" per foot

Daily Wastewater Usage Rate: Q = 420 GPD Water saving devices: Yes

Criteria: Single Family ; 4 bedroom 4,732 SQ FT

Treatment Unit:

Septic Tank: No Aerobic Unit: Yes

Size Required: 720 Size Proposed: 800

Tank Dimensions: 82"W x 66"H x 140"L Liquid Depth (bottom of tank to outlet): 53"

Manufacturer: Aqua Klear Material / Model #: concrete AquaKlear AK800C

Pretreatment Tank: Yes Type: Built-In AquaKlear Unit

Other: 750 gallon pump tank with audio visual alarm.

Disposal System:



Type: Spray Irrigation Area Required: sq ft 6563 Area Proposed: sq ft 6844

Trench width or bed size: N/A Trench depth: N/A

Type and size of pipe: 1" sch 40 PVC; purple Barrier type: N/A

Backfill Material: Class III Material Other: 0

Design Setbacks:

The following items are required to be shown on all designs if located within 150' of proposed disposal area. This includes items on adjacent properties.

	APPLIES	N/A
1. Property Lines	X	-
2. Structures, foundations, or improvements	X	-
3. Swimming pool	X	-
4. Water lines and meters	X	-
5. Existing septic systems	X	-
6. Sharp slopes or breaks	-	X
7. Streams, ponds, or lakes	-	X
8. Wells or cisterns	-	X
9. Easements & flood zones	-	X



REVISED

Designer: Frank Powell RS Registration # 3115 Date: January 15, 2019

Frank Powell R.S.

Texas Registered Sanitarian # 3115
TCEQ Site Evaluator Registration # OS9949
PO Box 272, Copeville, Texas 75121
214.957.8831

REVISED

8:24 am, Jan 16, 2019

Aerobic Spray Irrigation Design

Customer Name: <u>Mendel Residence</u>	Builder: <u>Billy Jack Payne OS # 17968</u>
Address: <u>1034 Eagle Point Dr</u>	County: <u>Comal</u>
	City: <u>Fischer</u> Record: <u>6156</u>

DESIGN PARAMETERS:

Type of Dwelling: Single Family ; 4 bedroom Square Footage: 4,732 sq ft
 Daily Waste Flow: 420 GPD* Effluent Loading Rate: 0.064 gal/sq ft/day
 Required Irrigation Area: 6563 sq ft Irrigation Area: 6844 sq ft
 ** EMAN Required - Auto electronic Telemetry (RIR-SA-CAD) Cellular Telemetry Model # AH864) No



SYSTEM PARAMETERS:

Treatment Capacity Required: 720 Pre-Treatment : Built-In AquaKlear Unit
 Aeration Unit : AquaKlear AK800C Liquid Capacity: 2000 gallon
 Treatment Capacity: 800 GPD Chlorinator: Built in Pump Tank Size: 750 gallon

DISPOSAL PARAMETERS:

Sprinkler Type:	Number	Nozzle Size	Flow Rate	Radius	Arc	Area	
K-Rain	1	3	3.1	33	180 degrees	1711	sq ft
K-Rain	2	3	3.1	33	180 degrees	1711	sq ft
K-Rain	3	3	3.1	33	180 degrees	1711	sq ft
K-Rain	4	3	3.1	33	180 degrees	1711	sq ft
K-Rain	5	0	0	0	0 degrees	0	sq ft
K-Rain	6	0	0	0	0 degrees	0	sq ft

Pump Specifications: 1/2 HP 20 GPM (STANDARD) 105121 or equivalent)



* With water saving devices

** Less overlap area

0

REVISED

Designed by :

Frank Powell R.S.

Date : January 15, 2019



Spray Irrigation Calculation Sheet

VOID

Job Name/Homeowner:	Mendel Residence
Address:	1034 Eagle Point Dr
City, State, Zip:	Fischer Texas
Permit Agency:	Comal County Eng Off County Comal
Installer Name:	Billy Jack Payne OS # 17968
Designed By:	Frank Powell R.S.
Date:	Revised January 15, 2019 Record # : 6156

Flow Rate:

There will be 4 sprinkler heads with a total flow rate of 12.4 gpm @ 30 psi.

Friction Loss:

Friction loss for a 1 inch schedule 40 PVC @ 12.4 gpm
 is about equal to 10.37 ft per 100' of pipe
 For 300 ft of pipe and 25% accounting for fittings, the friction would be:
3 ft of pipe 31.11 ft of friction = 93.32 friction loss
 25% x 93.32 ft of friction = 23.33 friction loss
 93.32 ft + 23.33 ft = 116.65 Total Friction Loss

Total Friction Head:

Elevation distance from the pump to the field is approximately equal to 5 feet.
69 ft pressure head + 5 ft elevation head + 116.65 ft friction head = 191 feet

Dosing Volume:

The tank volume is 750 gallons The tank inlet height is 49 inches.
 The pump float switch will be 7" off the floor and on a tether ranging at 9 inches.
 This will give a dosing volume of 138 gallons.
 This system will be on timer for nightly application between 12:00 am to 5:00 am No
 The alarm float will be at a level off of the floor of about 19 inches.
 This will give a storage volume of 459 gallons.

Frank Powell RS

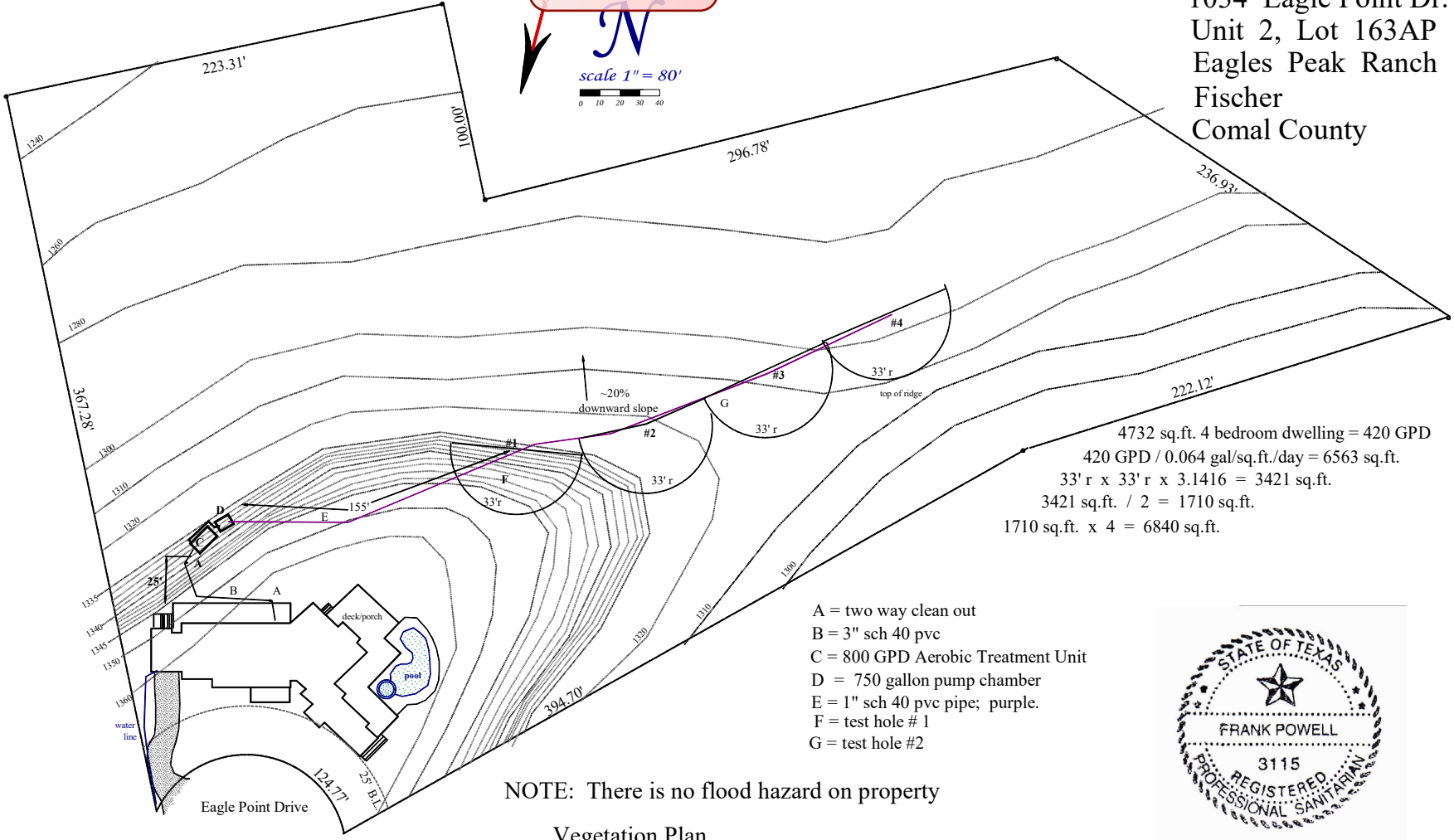
Revised
1/15/2019



REVISED
8:25 am, Jan 16, 2019

VOID

Mendel Residence
1034 Eagle Point Dr.
Unit 2, Lot 163AP
Eagles Peak Ranch
Fischer
Comal County



4732 sq.ft. 4 bedroom dwelling = 420 GPD
420 GPD / 0.064 gal/sq.ft./day = 6563 sq.ft.
33' r x 33' r x 3.1416 = 3421 sq.ft.
3421 sq.ft. / 2 = 1710 sq.ft.
1710 sq.ft. x 4 = 6840 sq.ft.

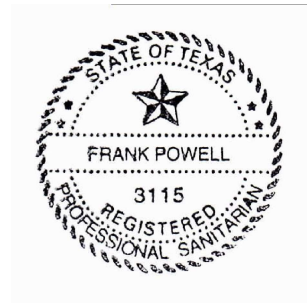
- A = two way clean out
- B = 3" sch 40 pvc
- C = 800 GPD Aerobic Treatment Unit
- D = 750 gallon pump chamber
- E = 1" sch 40 pvc pipe; purple.
- F = test hole # 1
- G = test hole # 2

NOTE: There is no flood hazard on property

Vegetation Plan

The slope is greater than 15% and is terraced.
There is existing grass and foliage in spray area.
Some natural vegetation may be added to the spray area.
The spray heads will be 10' from any tree or large bush.
The spray will be directed uphill to maintain low angle.

VOID



Frank Powell RS

REVISED
1 - 15 - 2019

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

Date 12-10-2018

VOID

Permit # 108525

Owner Name Richard R. & Patricia S. Mendel
Mailing Address 12719 Scouts
City, State, Zip Cypress, Texas 77429
Phone # _____
Email _____

Agent Name Billy Jack Payne
Agent Address 2301 CR 120
City, State, Zip Marble Falls, Texas 78654
Phone # 512-755-2071
Email billyjack@bjpconst.com

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

Subdivision Name Eagles Peak Ranch 2 Unit _____ Lot 136AP Block _____
Acreage/Legal 3.6
Street Name/Address 1034 Eagles Point Drive City Fischer Zip 78623

Type of Development:

Single Family Residential

Type of Construction (House, Mobile, RV, Etc.) House
Number of Bedrooms 4
Indicate Sq Ft of Living Area 4732

512-755-
2870

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 _____

RECEIVED
DEC 20 2018
COUNTY ENGINEER

VOID

Estimated Cost of Construction. \$ _____ (Structure Only)

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

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

Source of Water Public Private Well

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

By signing this application, I certify that:

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

Richard R. Mendel
Signature of Owner

12-10-2018
Date

Frank Powell R.S.

Texas Registered Sanitarian # 3115
 TCEQ Site Evaluator Registration # OS9949
 PO Box 21111 Dallas, Texas 75121



RECEIVED
 DEC 20 2018
 COUNTY ENGINEER

Technical Information Sheet

Customer Name: Mendel Residence 1034 Eagle Point Dr County: Comal Record #: 6156

Professional Design Required?: Yes If yes, professional design attached: Yes

Soil Test: Type: N/A Texture: Rock Structure: Massive

Sewer (House Drain): Pipe Size: 3" sch 40 PVC Pipe Slope: 1/8" per foot

Daily Wastewater Usage Rate: Q = 420 GPD Water saving devices: Yes

Criteria: Single Family : 4 bedroom 4,732 SQ FT

Treatment Unit:

Septic Tank: No Aerobic Unit: Yes

Size Required: 720 Size Proposed: 800

Tank Dimensions: 82" W x 66" H x 10' L Liquid Depth (bottom of tank to outlet): 53"

Manufacturer: Aqua Klear Material / Model #: concrete AquaKlear AK800C

Pretreatment Tank: Yes Type: Built-In AquaKlear Unit

Other: 750 gallon pump tank with audio visual alarm.

Disposal System:

Type: Spray Irrigation Area Required : sq ft 6563 Area Proposed: sq ft 6844

Trench width or bed size: N/A Trench depth: N/A

Type and size of pipe: 1" sch 40 PVC; purple Barrier type: N/A

Backfill Material: Class III Material Other: 0

Design Setbacks:

The following items are required to be shown on all designs if located within 150' of proposed disposal area. This includes items on adjacent properties

	APPLIES	N/A
1. Property Lines	X	-
2. Structures, foundations, or improvements	X	-
3. Swimming pool	X	-
4. Water lines and meters	X	-
5. Existing septic systems	X	-
6. Sharp slopes or breaks	-	X
7. Streams, ponds, or lakes	-	X
8. Wells or cisterns	-	X
9. Easements & flood zones	-	X



Designer: Frank Powell RS Registration # 3115 Date: December 10, 2018

Frank Powell R.S.

Texas Registered Sanitarian # 3115
 TCEQ Registration # OS9949
 PO Box 20000 Austin, Texas 75121
 214.957.8811



RECEIVED
 DEC 20 2018
 COUNTY ENGINEER

OSSF Site Evaluation Report

Job Name/Homeowner:	Mendel Residence		
Address:	1034 Eagle Point Dr		
City, State, Zip:	Fischer	Texas	78623
Permit Agency:	Comal County Eng Off	County:	Comal
Installer Name:	Billy Jack Payne OS # 17968		
Designed By:	Frank Powell R.S.		
Date:	December 10, 2018	Record # :	6156

SOIL BORING #1

DEPTH	SOIL CLASS	SOIL TEXTURE	GRAVEL ANALYSIS	SLOPE	DRAINAGE// WATER MOTTLES // TABLE	RESTRICTIVE HORIZON
0"-8"	Class III	Clay Loam	< 30%	20%	none//none	No
8"		Rock		20%	none//none	Yes



SOIL BORING #2

DEPTH	SOIL CLASS	SOIL TEXTURE	GRAVEL ANALYSIS	SLOPE	DRAINAGE// WATER MOTTLES // TABLE	RESTRICTIVE HORIZON
0"-8"	Class III	Clay Loam	< 30%	20%	none//none	No
8"		Rock		20%	none//none	Yes

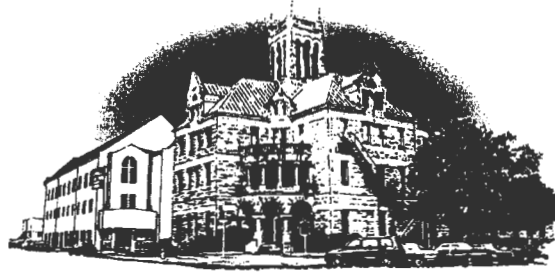
SITE FEATURES

3.6 acre tract, moderately wooded, shallow soils to rock, slope is 1-3% around the house site and top of hill then it is downward to the southeast at about 20%. Soil is capable of sustaining vegetative growth. Public water supply. Existing system to be abandoned and upgraded. Existing Comal County permit # 80099.

OBSERVATIONS _____ Professional Design Required _____

Site Evaluator: *Frank Powell RS*

License # OS9949



Comal County

OFFICE OF COMAL COUNTY ENGINEER

December 27, 2018

Richard R. & Patricia S. Mendel
12719 Scouts
Cypress, Texas 77429

Re: Eagles Peak Ranch Unit 2 Lot 163AP, Permit 108525
Application for Permit for Authorization to Construct an On-Site Sewage Facility (OSSF)
& License to Operate

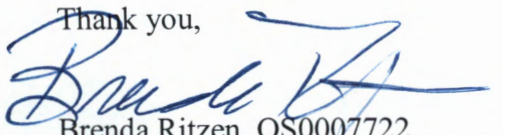
Dear Mr. & Mrs. Mendel,

We received planning materials for the referenced permit application today December 20, 2018, and found those planning materials to be deficient. In order to continue processing this permit, we need the following information:

1. There appears to be an error on the lot number indicated on the permit application.
2. Submit a copy of the recorded warranty deed for this property.
3. Submit a 2 year initial maintenance contract with an authorized maintenance provider.
4. The designer must submit a more legible design clearly showing the house location and details.
5. The designer must indicate the location of the test excavations on the design.
6. The designer must indicate the amount of slope thru the proposed disposal area.
7. The designer must submit a vegetation plan for the proposed disposal area.
8. The designer must identify the separation distances from the house to the ATU, and from the ATU to the first spray head.
9. The designer must add an additional clean out at the 90 degree bend between the house and the tank.
10. The designer must indicate the location of the water supply line.
11. The designer must sign the pump tank detail.
12. The designer must show the pipe connecting the ATU to the pump tank.
13. The designer must revise and resubmit accordingly.

We realize this permit is important to you, in order to help speed up the process the above information may be emailed to rabbjr@co.comal.tx.us.

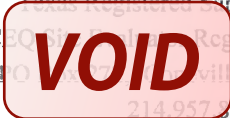
Thank you,


Brenda Ritzen, OS0007722
Environmental Health Coordinator

cc: billyjack@bjpconst.com

Frank Powell R.S.

Texas Registered Sanitarian # 3115
 Registration # OS9949
 Comal County, Texas 75121
 214-957-8331



RECEIVED
 DEC 20 2018
 COUNTY ENGINEER

Aerobic Spray Irrigation Design

Customer Name: <u>Mendel Residence</u>	Builder: <u>Billy Jack Payne OS # 17968</u>
Address: <u>1034 Eagle Point Dr</u>	County: <u>Comal</u>
	City: <u>Fischer</u> Record: <u>6156</u>

DESIGN PARAMETERS:

Type of Dwelling: Single Family ; 4 bedroom Square Footage: 4,732 sq ft
 Daily Waste Flow: 420 GPD* Effluent Loading Rate: 0.064 gal/sq ft/day
 Required Irrigation Area: 6563 sq ft Design Irrigation Area: 6844 sq ft
 ** EMAN Required - Auto electronic Telemetry (RJR-SA-CAD Cellular Telemetry Model # AH864) No

SYSTEM PARAMETERS:

Treatment Capacity Required: 720 Pre-Treatment: Built-In AquaKlear Unit
 Aeration Unit: AquaKlear AK800C Liquid Capacity: 2000 gallon
 Treatment Capacity: 800 GPD Chlorinator: Built in Pump Tank Size: 750 gallon

DISPOSAL PARAMETERS:



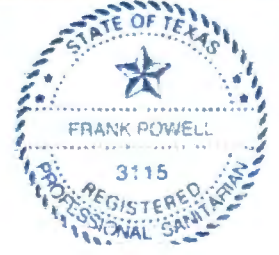
Sprinkler Type:	Number	Nozzle Size	Flow Rate	Radius	Arc	Area
K-Rain	1	3	3.1	33	180 degrees	1711 sq ft
K-Rain	2	3	3.1	33	180 degrees	1711 sq ft
K-Rain	3	3	3.1	33	180 degrees	1711 sq ft
K-Rain	4	3	3.1	33	180 degrees	1711 sq ft
K-Rain	5	0	0	0	0 degrees	0 sq ft
K-Rain	6	0	0	0	0 degrees	0 sq ft

Pump Specifications: 1/2 HP 20 GPM (STA-RITE 20D0M05121 or equivalent)

* With water saving devices
 ** Less overlap area 0

Designed by: Frank Powell R.S.

Date: December 10, 2018



Spray Irrigation Calculation Sheet

RECEIVED
DEC 20 2018
COUNTY ENGINEER

VOID

Job Name/Homeowner:	Mendel Residence
Address:	1034 Eagle Point Dr
City, State, Zip:	Fischer Texas
Permit Agency:	Comal County Eng Off County Comal
Installer Name:	Billy Jack Payne OS # 17968
Designed By:	Frank Powell R.S.
Date:	December 10, 2018 Record # : 6156

Flow Rate:

There will be 4 sprinkler heads with a total flow rate of 12.4 gpm @ 30 psi.

Friction Loss:

Friction loss for a 1 inch schedule 40 PVC @ 12.4 gpm
is about equal to 10.37 ft per 100' of pipe
For 300 ft of pipe and 25% accounting for fittings, the friction would be:
3 ft of pipe 31.11 ft friction = 93.32 friction loss
25% x 93.32 ft = 23.33 friction loss
93.32 ft + 23.33 ft = 116.65 Total Friction Loss

Total Friction Head:

Elevation distance from the pump to the field is approximately equal to 5 feet.
69 ft pressure head + 5 ft elevation head + 116.65 ft friction head = 191 feet

Dosing Volume:

The tank volume is 750 gallons The tank inlet height is 49 inches.
The pump float switch will be 7" off the floor and on a tether ranging at 9 inches.
This will give a dosing volume of 138 gallons.
This system will be on timer for nightly application between 12:00 am to 5:00 am No
The alarm float will be at a level off of the floor of about 19 inches.
This will give a storage volume of 459 gallons.

Frank Powell RS

12/10/2018



VOID



MENDEL RESIDENCE
1034 EAGLE POINT DR
Fischer

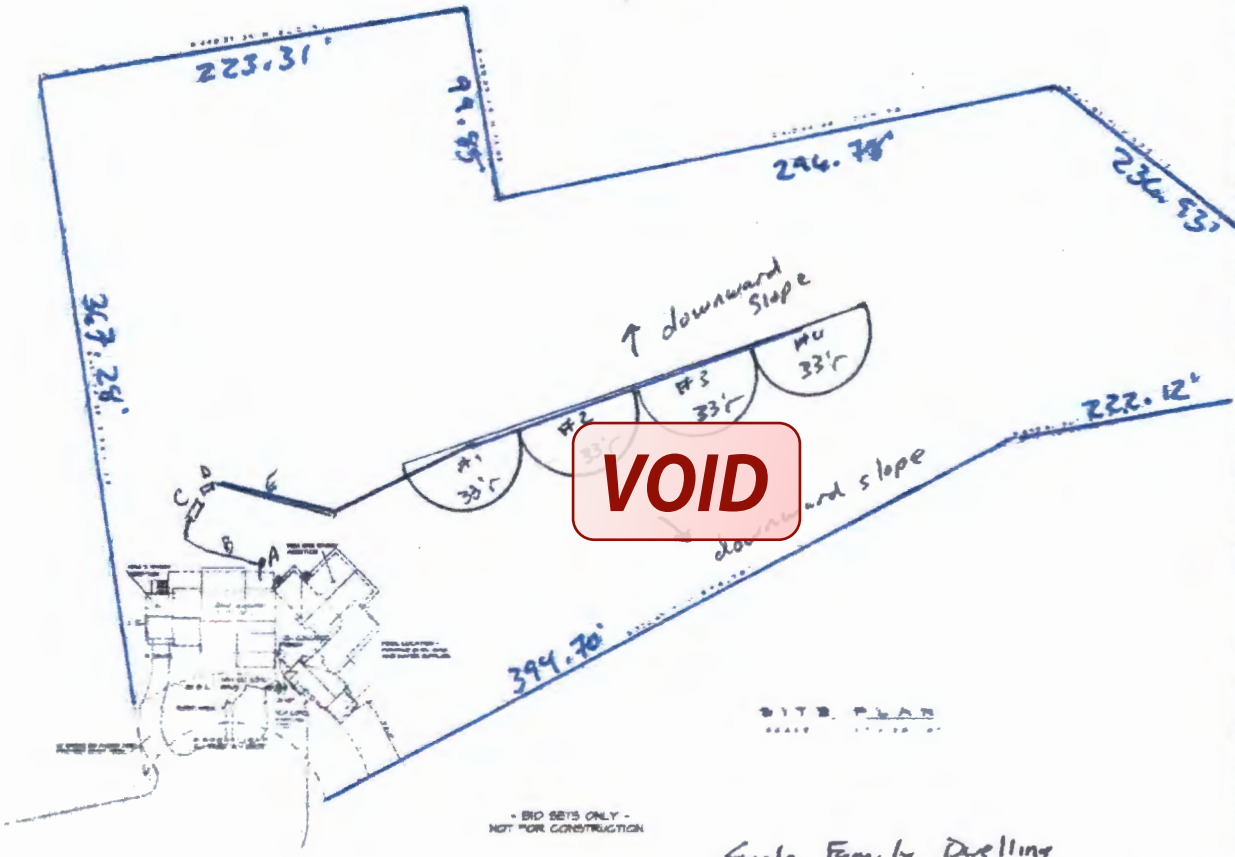
CUMAC COUNTY
EXISTING OSF permit # 60099
RECEIVED

DEC 20 2018

COUNTY ENGINEER

N
Scale
1" = 100'

Frank Powell RS
12-10-18



Professional Engineer Seal for Joseph Volpe, State of Texas, Registered Professional Engineer, No. 3115.

VOID

SITE PLAN

- BID SETS ONLY -
NOT FOR CONSTRUCTION

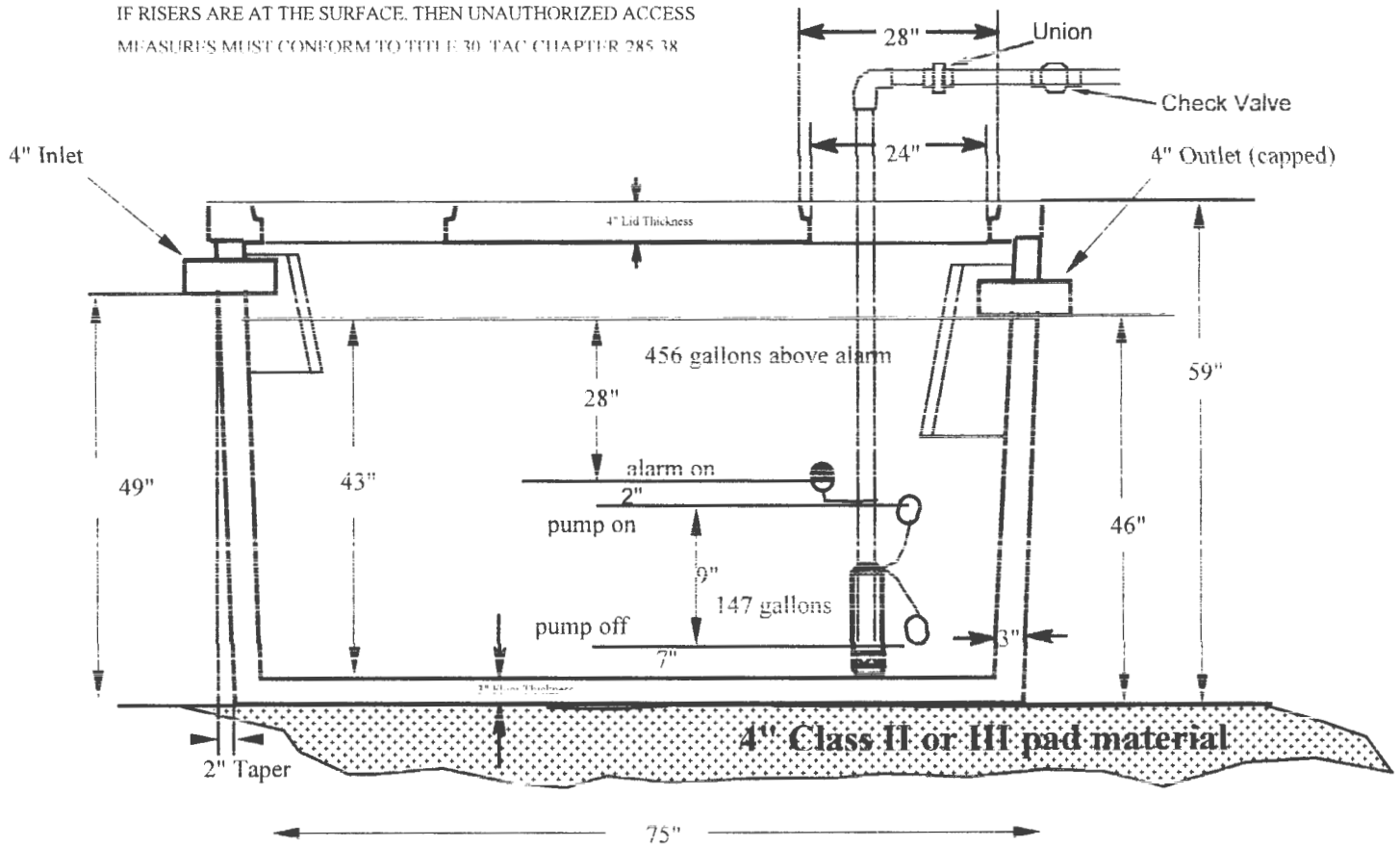
Single Family Dwelling
4 bdrm, 4732 sq. ft. = 420 GPD
420 ÷ 0.064 = 6563 sq. ft.
33' x 33' x 3.1416 = 3421 sq. ft.
3421 sq. ft. ÷ 2 = 1710.5 sq. ft.
1710.5 x 4 = 6842 sq. ft.

- A - two way clean out
- B = 3" sch 40 PVC
- C = 800 GPD Aerobic Unit
- D = 750 gallon pump tank
- E = 1" sch 40 PVC spray line: purple.

750 Gallon Pump Tank Profile

RECEIVED
 DEC 20 2018
 COUNTY ENGINEER

DEPTH MAY VARY BUT NOT TO EXCEED 12 INCHES, UNLESS A RISER IS INSTALLED ON EACH CLEAN OUT AND EXTENDS TO NO MORE THAN SIX INCHES BELOW THE GROUND SURFACE. IF RISERS ARE AT THE SURFACE, THEN UNAUTHORIZED ACCESS MEASURES MUST CONFORM TO TITLE 30 TAC CHAPTER 285.38



TANKS WILL BE BEDDED AND BACKFILLED WITH CLASS II OR CLASS III MATERIAL

Pump Chamber measurements

- 750 gallons / 46 inches = 16.3 gallons per inch
- 7" x 16.3 = 114.2 gallons for priming
- 9" x 16.3 = 146.7 gallons for dosing
- 28" x 16.3 = 456.5 gallons storage above alarm

National Flood Hazard Layer FIRMette



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE) Zone A, V, A99
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD**
 - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
 - Future Conditions 1% Annual Chance Flood Hazard Zone X
 - Area with Reduced Flood Risk due to Levees. See Notes, Zone X
 - Area with Flood Risk due to Levees Zone D
- OTHER AREAS**
 - NO SCREEN Area of Minimal Flood Hazard Zone X
 - Effective LOMRs
 - Area of Undetermined Flood Hazard Zone I
- GENERAL STRUCTURES**
 - Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall
- OTHER FEATURES**
 - Cross Sections with 1% Annual Chance Water Surface Elevation
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature
- MAP PANELS**
 - Digital Data Available
 - No Digital Data Available
 - Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/12/2018 at 1:21:06 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



29°55'28.90"N

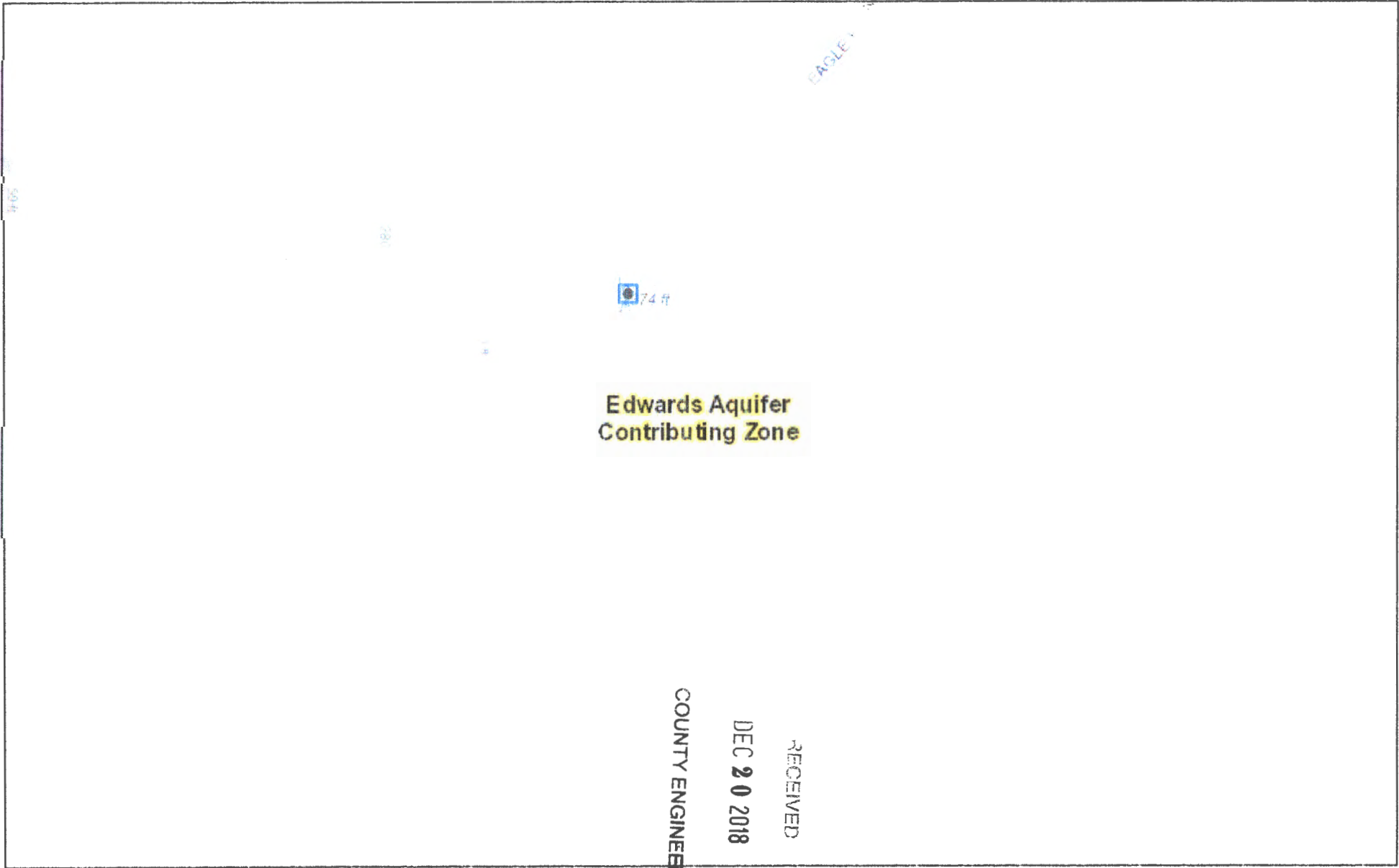
99°12'12.22"W



29°54'57.72"N

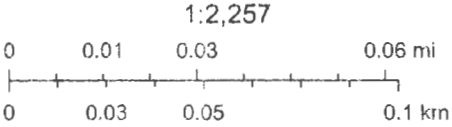
99°13'34.76"W

Edwards Aquifer Viewer Custom Print

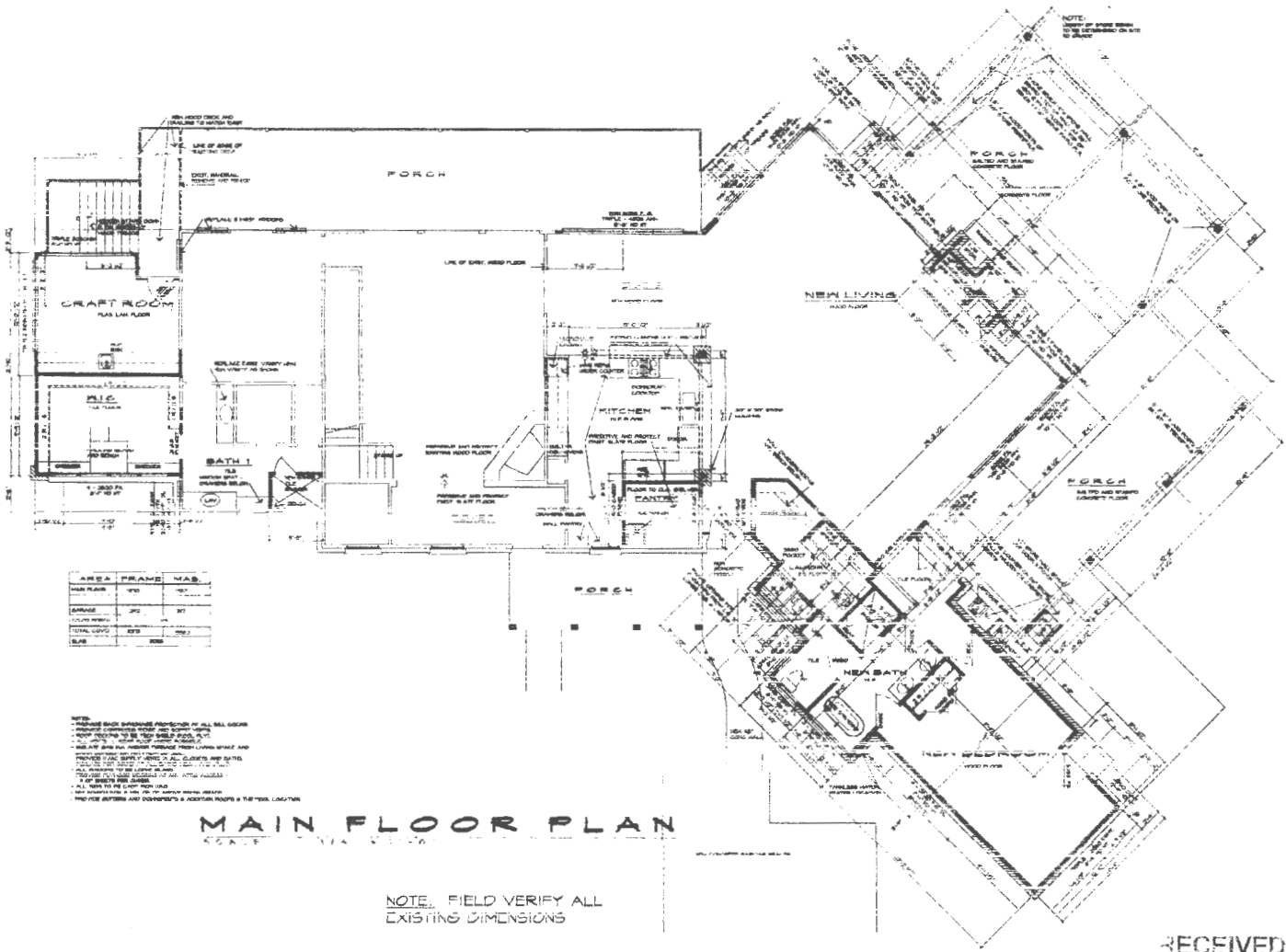


12/12/2018, 12:24:03 PM

- Edwards Aquifer Label
- Edwards Aquifer Boundary
- Edwards Aquifer Boundary central line
- Edwards Aquifer
- Recharge Zone
- Transition Zone
- Contributing Zone
- Contributing Zone within the Transition Zone
- TX Counties



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,



NOTE: FIELD VERIFY ALL EXISTING DIMENSIONS

AREA	FRAM	NAS
MAIN FLOOR	100	100
BASE	200	200
TOTAL	300	300

NOTES:
 1. PROVIDE EACH ROOM'S PROVISIONS AT ALL WALL VERTICES.
 2. PROVIDE EACH ROOM'S VENTILATION SYSTEMS AT ALL WALL VERTICES.
 3. PROVIDE EACH ROOM'S VENTILATION SYSTEMS AT ALL WALL VERTICES.
 4. PROVIDE EACH ROOM'S VENTILATION SYSTEMS AT ALL WALL VERTICES.
 5. PROVIDE EACH ROOM'S VENTILATION SYSTEMS AT ALL WALL VERTICES.
 6. PROVIDE EACH ROOM'S VENTILATION SYSTEMS AT ALL WALL VERTICES.
 7. PROVIDE EACH ROOM'S VENTILATION SYSTEMS AT ALL WALL VERTICES.
 8. PROVIDE EACH ROOM'S VENTILATION SYSTEMS AT ALL WALL VERTICES.
 9. PROVIDE EACH ROOM'S VENTILATION SYSTEMS AT ALL WALL VERTICES.
 10. PROVIDE EACH ROOM'S VENTILATION SYSTEMS AT ALL WALL VERTICES.

MAIN FLOOR PLAN
 SCALE: 1/4" = 1'-0"

NOTE: FIELD VERIFY ALL EXISTING DIMENSIONS

Joseph Volpe
 ARCHITECT
 1100 S. W. 10TH AVENUE, SUITE 100
 MIAMI, FL 33135
 (305) 556-1222

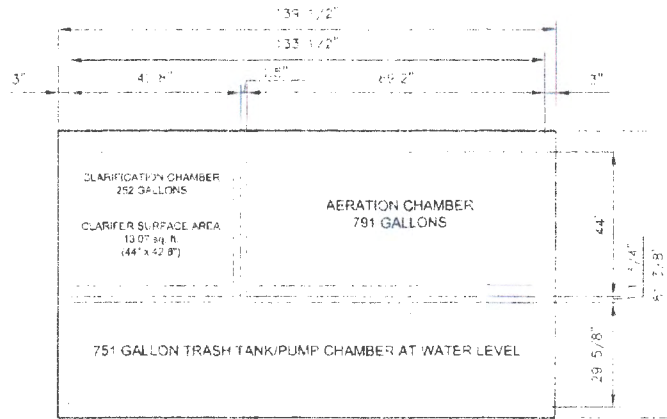
DICK AND PAT MENDEL
 ARCHITECTS
 1100 S. W. 10TH AVENUE, SUITE 100
 MIAMI, FL 33135
 (305) 556-1222

RECEIVED

DEC 20 2018

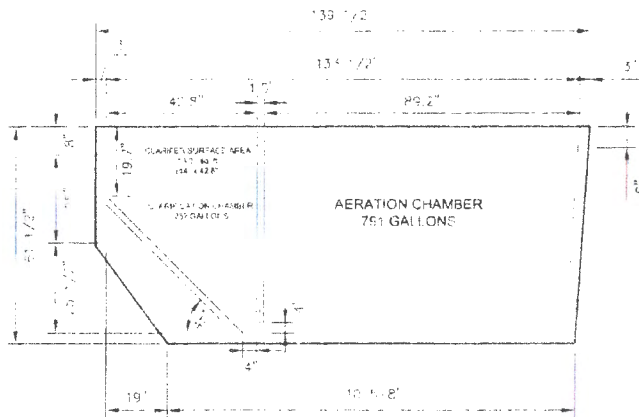
COUNTY ENGINEER

AK800CA



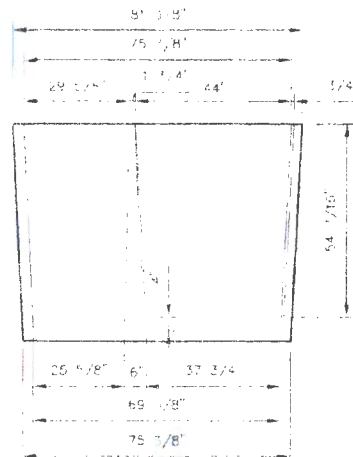
TOP VIEW

AK800CA



SIDE VIEW

AK800CA



END VIEW

COUNTY ENGINEER

DEC 20 2018

RECEIVED

AQUAKLEAR
 MODEL AK800CA
 751 GALLON TRASH TANK/PUMP
 CHAMBER AT WATER LEVEL

NOT TO SCALE



STA-RITE

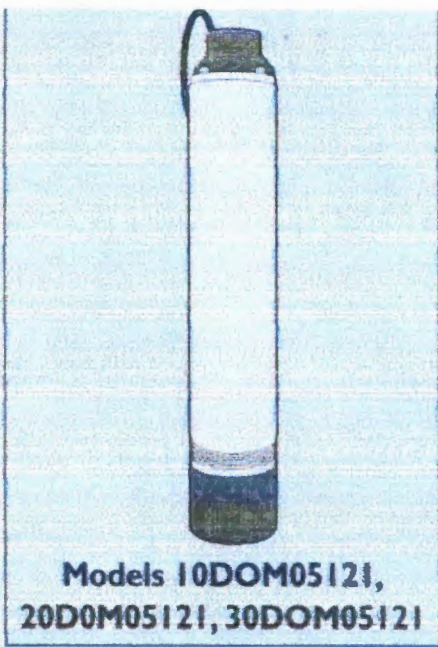
293 Wright Street, Delavan, WI 53115

4" Submersible Pump

RECEIVED

DEC 20 2018

COUNTY ENGINEER



Models 10DOM05121,
20DOM05121, 30DOM05121

ELECTRICAL

Wiring/Grounding

WARNING Hazardous voltage. Can shock, burn, or cause death. Permanently ground pump, motor and control box before connecting power supply to motor.

Ground pump and motor in accordance with all codes and ordinances that apply. All wiring must meet National Electrical Code and Canadian Electrical Code (whichever applies). Use copper ground wire at least as large as wires carrying current to pump.

Pump is supplied with copper ground wire. Use only copper wire for connections to pump.

Permanently ground pump before connecting power cable to power supply. Connect ground wire to approved ground first; then connect to equipment being installed.

Do not ground to a gas supply line.

Float switches or any other approved motor control must match motor input in full load amperes.

For more information, contact your local code officials.

Installation Wiring Instructions

Pump has two power supply wires (Red/Black) and one ground wire (Green).

Fasten power supply wire leads securely to control panel; leave 4-5" of slack in leads at this point. Securely fasten leads to plastic pipe within 6" of the pump's discharge section.

NOTICE: To avoid dropping pump or damaging wires or splices, NEVER allow pump wires to support weight of pump.



Figure 1: Insert a 3" PVC pipe in the bottom of the motor to raise the pump in the tank.

EFFLUENT APPLICATIONS

Pumps designed and tested for effluent applications must meet the following:

WARNING Risk of electrical shock. Do not remove or alter cord. Do not connect conduit to pump.

1. Only qualified personnel should install the pump and associated control equipment.
2. Vent sewage tank according to local code.
3. Do not install pump in any location classified as hazardous by National Electrical Code, ANSI/NEPA 70-1984.
4. These pumps are intended for permanent connection only. Provide strain relief at control panel for power supply cord connection to box. All control components must be UL listed and suitable for end use application.
5. Do not pump flammable liquids, strong caustics, or strong acids with this pump.

PUMP INSTALLATION

1. To prevent dropping pump, lower it by the drip pipe, not by the cables. The electrical cables will not hold the pump weight.
2. Discharge outlet is 1-1/4" NPT threaded.
NOTICE: If installing external check valve, hold discharge with pipe wrench to prevent loosening discharge in shell.
3. If pump is to be operated with an open discharge, a discharge valve must be installed. Before startup, open this valve about 1/3 open. Start pump. Slowly open valve until the desired flow rate is reached. Final setting must be within pump's recommended operating range.

OPERATION

1. The pump must be submerged at all times during normal operation. **Do not run pump dry.**
2. Make sure that the float switches are set so that the pump stops before the pump runs dry or breaks suction. If necessary, adjust float switches to achieve this.
3. The motor bearings are lubricated internally. No maintenance is required or possible on the pump.

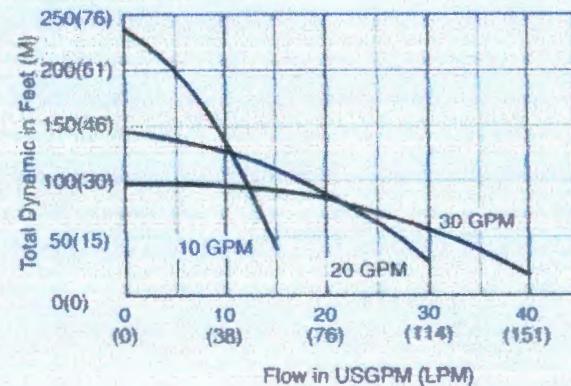


Figure 2: Performance in Feet of Head at Gallons per Minute (M@LPM)



RECEIVED
DEC 20 2018

-R

K-RAIN PROPLUS™ RCW



11003-RCW

MODELS

11003-RCW ProPlus Standard

EASY ARC SETTING

Arc Selection 40° to Continuous 360°



Adjust From
Left Stop

SPECIFICATIONS

- Inlet: 3/4" Threaded NPT
- Arc Adjustment Range: 40° to Continuous 360°
- Flow Range: 1.5 - 8.6 GPM
- Pressure Rating: 7 - 70 PSI
- Precipitation Rate: .02 to 1.7 Inches Per Hour (Depending on Spacing and Nozzle Used)
- Overall Height (Popped Down): 7 1/2"
- Recommended Spacing: 22' to 40'
- Radius: 22' to 44'
- Low Angle Nozzle Trajectory: 12°
- Low Angle Nozzle: Installed 3 GPM
- Riser Height: 5"

PROPLUS RCW PERFORMANCE DATA

LOW ANGLE DATA			
Nozzle	Pressure PSI	Radius Ft.	Flow GPM
#1	30	22'	1.5
	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				
Nozzle	Pressure kPa Bars	Radius Meters	Flow Rate L/M M ³ /H	
#1	207 2.04	6.71	5.67	.34
	275 2.72	7.32	6.43	.39
	344 3.40	7.92	6.80	.41
	413 4.08	8.53	7.56	.46
#3	207 2.04	8.84	11.34	.68
	275 2.72	9.75	11.72	.71
	344 3.40	10.67	13.23	.80
	413 4.08	11.28	14.36	.87
#4	207 2.04	9.45	12.85	.78
	275 2.72	10.36	14.74	.89
	344 3.40	11.28	16.63	1.00
	413 4.08	11.53	17.77	1.07
#6	275 2.72	11.58	24.57	1.66
	344 3.40	12.19	27.59	1.86
	413 4.08	12.80	30.24	1.82
	482 4.76	13.41	32.51	1.96

Comal CAD

Property Search Results > 24688 MENDEL RICHARD R & PATRICIA S for Year 2018

Property

Account

Property ID: 24688 Legal Description: EAGLES PEAK RANCH 2, LOT 163AP
 Geographic ID: 160132016300 Agent Code:
 Type: Real
 Property Use Code:
 Property Use Description:

Location

Address: 1034 EAGLE POINT DR Mapsco: 322 F5
 FISCHER, TX 78623
 Neighborhood: EAGLES PEAK/WILD HORSE HILLS Map ID: 3J
 Neighborhood CD: 323A401

Owner

Name: MENDEL RICHARD R & PATRICIA S Owner ID: 948909
 Mailing Address: 12719 SCOUTS LN % Ownership: 100.0000000000%
 CYPRESS, TX 77429-2623

Exemptions:

RECEIVED
 DEC 20 2018
 COUNTY ENGINEER

Values

(+) Improvement Homesite Value:	+	\$0	
(+) Improvement Non-Homesite Value:	+	\$287,690	
(+) Land Homesite Value:	+	\$0	
(+) Land Non-Homesite Value:	+	\$105,310	Ag / Timber Use Value
(+) Agricultural Market Valuation:	+	\$0	\$0
(+) Timber Market Valuation:	+	\$0	\$0
<hr/>			
(=) Market Value:	=	\$393,000	
(-) Ag or Timber Use Value Reduction:	-	\$0	
<hr/>			
(=) Appraised Value:	=	\$393,000	
(-) HS Cap:	-	\$0	
<hr/>			
(=) Assessed Value:	=	\$393,000	

Taxing Jurisdiction

Owner: MENDEL RICHARD R & PATRICIA S
 % Ownership: 100.0000000000%
 Total Value: \$393,000

Entity	Description	Tax Rate	Appraised Value	Taxable Value	Estimated Tax
046	COMAL COUNTY	0.295191	\$393,000	\$393,000	\$1,160.10
046LR	Lateral Road	0.062730	\$393,000	\$393,000	\$246.53
CAD	CAD	0.000000	\$393,000	\$393,000	\$0.00
ES2	ESD #2 (EMS)	0.080000	\$393,000	\$393,000	\$314.40
ES3	ESD #3 (FIRE)	0.079600	\$393,000	\$393,000	\$312.83
SCIS	COMAL ISD	1.390000	\$393,000	\$393,000	\$5,462.70
ZZZ	Credit	0.000000	\$393,000	\$393,000	\$0.00
Total Tax Rate:		1.907521			

4/C



201706021790 04/24/2017 10:10:16 AM 1/4

Special Warranty Deed

Effective Date: 4/24, 2017

RECEIVED
By Brenda Ritzen at 9:48 am, Jan 02, 2019

Grantor: James and Ann Franklin, a married couple

Grantor's Mailing Address:

1041 Eagle Point Dr.
Fischer, Texas 78632

Grantee: Patricia and Richard Mendel, a married couple

Grantee's Mailing Address:

1034 Eagle Point Dr.
Fischer, Texas 78632

Consideration:

Cash and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged.

Property (including any improvements):

Being a 2.19 acre tract of land, being a portion of Lot 163AP of the Amending Plat of Eagles Peak Ranch, Unit No. Two, Amending Lots 163, 164 and 165, Establishing Lots 163AP and 165AP recorded in Document No. 201706001694, Map and Plat Records of Comal County, Texas, and being the westerly portion of Lot 164 of Eagles Peak Ranch, Unit No. Two, recorded in Volume 8, Pages 298-303 Map and Plat Records of Comal County, Texas, and being more particularly described by metes and bounds as follows with all bearings being based on Texas State Plane Coordinates South Central Zone (NAD 83):

Beginning at a found 1/2" iron bar (N 13882518.85, E 2222365.24) marking a north corner of Tract D, a called 651.41 acre tract of land in deed to Marie Louise Shelly Holm, recorded in Volume 259, Page 760 Deed Records Comal County, Texas, the lower southeast corner of said Lot 163AP, the southeast corner of the herein described tract, the lower southeast corner of said Lot 164 and an angle point on the west line of Lot 3 of Mo Betta Ranch, Unit No. 1, recorded in Volume 12, Page 56 MPRCCT, from which a found 1/2" iron bar (N 13882521.67, E 2222020.35) lying on a north line of said Tract D marking the southwest corner of Lot 201 of said Eagles Peak Ranch, Unit No. Two, bears N 89° 31' 50" W(Bearing Basis), 344.89 feet (called N 89° 31' 50" W, 344.89 feet):

Thence: N 89° 31' 50" W, 236.93 feet (called N 89° 31' 50" w, 236.93 feet), along a north line of said Tract D, the south line of said Lot 163AP, the south line of the herein described tract and the south line of said Lot 164, to a found 1/2" iron bar with cap (Solis0Kanak) for the southwest corner of said Lot 163AP, the southwest corner of the herein described tract and the southeast corner of said Lot 165AP:

RECEIVED

By Brenda Ritzen at 9:48 am, Jan 02, 2019

2/15/15
↓
GTC/15-0913358800

CASH WARRANTY DEED

Date: February 6, 2015

Grantor: JASON MICHEL ETCHEGARAY and TONYA NICOLE INMAN, husband and wife

Grantor's Mailing Address (including county): 8623 SHAMBARA WAY
KATY, TX 77499

Grantee: RICHARD R. MENDEL and PATRICIA S. MENDEL

Grantee's Mailing Address (including county): 12719 Scouts Lane
Cypress TX
77429

Consideration: TEN AND NO/100 DOLLARS and other good and valuable consideration.

Property (including any improvements):

Lot 163, of EAGLES PEAK RANCH, UNIT NO. TWO, situated in, Comal County, Texas, according to the Map or Plat thereof recorded in/under Volume 8, Pages 298-303, Map and Plat Records, Comal County, Texas.

Reservations From and Exceptions to Conveyance and Warranty:

This conveyance is made and accepted subject to matters filed of record in the Office of the County Clerk, Comal County, Texas.

Grantor, for the consideration, receipt of which is acknowledged, and subject to the reservations from and exceptions to conveyance and warranty, grants, sells and conveys to Grantee the property, together with all and singular the rights and appurtenances thereto in any wise belonging, to have and hold it to Grantee, Grantee's heirs, executors, administrators, successors or assigns forever. Grantor binds Grantor and Grantor's heirs, executors, administrators and successors to warrant and forever defend all and singular the property to Grantee and Grantee's heirs, executors, administrators, successors and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof, except as to the reservations from and exceptions to conveyance and warranty.

When the context requires, singular nouns and pronouns include the plural.



RECEIVED

By Brenda Ritzen at 9:48 am, Jan 02, 2019

J Michel Etg

JASON MICHEL ETCHEGARAY

Tonya Nicole Inman by JME, atty in fact

TONYA NICOLE INMAN by Attorney-in-Fact
JASON MICHEL ETCHEGARAY

ACKNOWLEDGMENT

STATE OF TEXAS

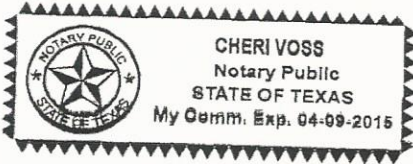
§

COUNTY OF COMAL

§

§

This instrument was acknowledged before me on February 6, 2015, by JASON MICHEL ETCHEGARAY.



Cheri Voss

Notary Public, State of Texas

ACKNOWLEDGMENT

STATE OF TEXAS

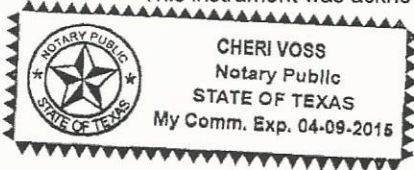
§

COUNTY OF COMAL

§

§

This instrument was acknowledged before me on February 6, 2015, by TONYA NICOLE INMAN.



Jason M. Etchegaray, Atty In fact
Cheri Voss

Notary Public, State of Texas

AFTER RECORDING RETURN TO:
RICHARD R. and PATRICIA S. MENDEL

RECEIVED

By Brenda Ritzen at 9:47 am, Jan 02, 2019

FILED AND RECORDED

Instrument Number: 201506005218

Recording Fee: 30.00

Number Of Pages: 3

Filing and Recording Date: 02/10/2015 2:08PM

Deputy: THERESA ROMERO

I hereby certify that this instrument was FILED on the date and time stamped hereon and RECORDED in the OFFICIAL PUBLIC RECORDS of Comal County, Texas.



Bobbie Koepf

Bobbie Koepf, County Clerk

Comal County, Texas

NOTICE: It is a crime to intentionally or knowingly file a fraudulent court record or instrument with the clerk.

DO NOT DESTROY - *Warning, this document is part of the Official Public Record.*

Billy Jack's Maintenance Company
2301 CR 120
Marble Falls, TX 78654

Phone: (830) 596-9000

billyjack@bjpconst.com

To: **Richard R Mendel**
12719 Scouts
Cypress, TX 77429

Site: 1034 Eagle Point Dr.
Fischer, TX 78623
(832) 732-4803

Permit #: **108525**

Agency: Comal County

County: Comal

Mfg / Brand: - AQUA KLEAR

Treatment Type: Aerobic

Disposal: Spray

Sub:

Customer ID: 2145

Contract Dates: 12/20/2018 - 12/20/2020

Scheduled Date: 9/9/2019

Aerator: AK500S96C

Inspection 1 of 6

Service Type: Scheduled Inspection

Visit Date: 8/6/2019

Method: Grab

Technician: Delwin E Thornhill

Maint. Provider: Billy Jack Payne

This counts as a type of "Scheduled Inspection"

Entered By: Patsy Irvin

Aerators: Operational

Filters: Operational

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

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

Service Completed

Insp ID #:4301
Printed:8/9/2019

Provider: *Billy Jack Payne*

License: MP000051

Technician: *Delwin E Thornhill, Jr.*

License: MT0001481

Expires: 1/31/2021

Billy Jack's Maintenance Company
2301 CR 120
Marble Falls, TX 78654

Phone: (469) 682-1013

mybjmaint@gmail.com

To: Richard R Mendel
12719 Scouts
Cypress, TX 77429

Site: 1034 Eagle Point Dr.
Fischer, TX 78623
(832) 732-4803

Permit #: 108525	Customer ID: 2145	-----
Agency: Comal County	Contract Dates: 12/20/2018 - 12/20/2020	
County: Comal	Scheduled Date: 1/9/2020	Inspection 2 of 6
Mfg / Brand: - AQUA KLEAR	Aerator: AK500S96C	Installed: 12/20/2018
Treatment Type: Aerobic		Warranty End: 12/20/2020
Disposal: Spray		

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"

Visit Date: 1/17/2020

Entered By: Patsy Irvin

Method: Grab

Technician: Robert Weis

Maint. Provider: Billy Jack Payne

Aerators: Operational

Filters: Operational

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

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

Service Completed

Provider: *Billy Jack Payne*

License: MP000051

Technician: *Robert Weis*

License: MT0000173

Expires: 7/31/2022

Insp ID #:4597
Printed:1/21/2020

Billy Jack's Maintenance Company
2301 CR 120
Marble Falls, TX 78654

Phone: (469) 682-1013

mybjmaint@gmail.com

To: **Richard R Mendel**
12719 Scouts
Cypress, TX 77429

Site: 1034 Eagle Point Dr.
Fischer, TX 78623
(832) 732-4803

Permit #: **108525**

Agency: Comal County

County: Comal

Mfg / Brand: - AQUA KLEAR

Treatment Type: Aerobic

Disposal: Spray

Sub:

Customer ID: 2145

Contract Dates: 12/20/2018 - 12/20/2020

Scheduled Date: 9/23/2020

Aerator: AK500S96C

Inspection 4 of 6

Installed: 12/20/2018

Warranty End: 12/20/2020

Service Type: Scheduled Inspection

Visit Date: 9/7/2020

Method: Grab

Technician: Robert Weis

Maint. Provider: Billy Jack Payne

This counts as a type of "Scheduled Inspection"

Entered By: Patsy Irvin

Aerators: Operational

Filters: Operational

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

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

Service Completed

Provider: *Billy Jack Payne*

License: MP000051

Technician: *Robert Weis*

License: MT0000173

Expires: 7/31/2022

Insp ID #:5092
Printed:9/8/2020

Billy Jack's Maintenance Company
2301 CR 120
Marble Falls, TX 78654

Phone: (469) 682-1013

mybjmaint@gmail.com

To: **Richard R Mendel**
12719 Scouts
Cypress, TX 77429

Site: 1034 Eagle Point Dr.
Fischer, TX 78623
(832) 732-4803

Permit #: **108525**
Agency: Comal County
County: Comal Sub:
Mfg / Brand: - AQUA KLEAR
Treatment Type: Aerobic
Disposal: Spray

Customer ID: 2145
Contract Dates: 12/20/2020 - 12/20/2022
Scheduled Date: 1/23/2021 Inspection 1 of 6
Aerator: AK500S96C Installed: 12/20/2018
Warranty End: 12/20/2020

Service Type: Scheduled Inspection

Visit Date: 1/11/2021

Method: Grab

Technician: Robert Weis

Maint. Provider: Frank A Powell

This counts as a type of "Scheduled Inspection"

Entered By: Robert Weis

Copy emailed to Customer
Customer Emailed: 2/3/2021

Aerators: Operational
Filters: Operational
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

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Attention: Chlorine Residual reading was ZERO - Copy emailed to the customer on 2/3/2021.

Service Completed

Provider: *Frank Powell*

License: MP0001418

Technician: *Robert Weis*

License: MT0000173
Expires: 7/31/2022

Insp ID #:5351
Printed:2/3/2021

Billy Jack's Maintenance Company
2301 CR 120
Marble Falls, TX 78654

Phone: (830) 596-9000

mybjmaint@gmail.com

To: Richard R Mendel
12719 Scouts
Cypress, TX 77429

Printed: 6/4/2021
Site: 1034 Eagle Point Dr.
Fischer, TX 78623
(832) 732-4803

Permit #: **108525**
Agency: Comal County
County: Comal
Mfg / Brand: - AQUA KLEAR
Treatment Type: Aerobic
Disposal: Spray

Customer ID: 2145
Contract Dates: 12/20/2020 - 12/20/2022
Scheduled Date: 5/23/2021 Inspection 2 of 6
Aerator: AK500S96C Installed: 12/20/2018
Warranty End: 12/20/2020

Service Type: Scheduled Inspection

Visit Date: 6/2/2021

Method: Grab

Technician: Robert Weis

Maint. Provider: Frank A Powell

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1 mg/l

This counts as a type of "Scheduled Inspection"

Entered By: Ashley Payne

Copy emailed to Customer

Customer Emailed: 6/4/2021

Tank Lid / Riser: Secured

Insp. Port / Plug: 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. - Inspection Port Plug was noted as Secured prior to leaving. - Copy emailed to the customer on 6/4/2021.

Service Completed

Insp ID #5628

Provider:

Frank Powell

Technician: *Robert Weis*

License Info: MP0001418 Expires: 5/31/2022

License Info: MT0000173 Expires: 7/31/2022

Billy Jack's Maintenance Company
2301 CR 120
Marble Falls, TX 78654

Phone: (830) 596-9000

mybjmaint@gmail.com

To: **Richard R Mendel**
12719 Scouts
Cypress, TX 77429

Printed: 9/22/2021
Site: 1034 Eagle Point Dr.
Fischer, TX 78623
(832) 732-4803

Permit #: **108525**
Agency: Comal County
County: Comal
Mfg / Brand: - AQUA KLEAR
Treatment Type: Aerobic
Disposal: Spray

Customer ID: 2145
Contract Dates: 12/20/2020 - 12/20/2022
Scheduled Date: 9/20/2021 Inspection 3 of 6
Aerator: AK500S96C Installed: 12/20/2018
Warranty End: 12/20/2020

Service Type: Scheduled Inspection

Visit Date: 9/17/2021

Method: Grab

Technician: David Rogers

Maint. Provider: Samuel Payne

This counts as a type of "Scheduled Inspection"

Entered By: Ashley Payne

Copy emailed to Customer
Customer Emailed: 9/22/2021

Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational
Chlorine Supply: Operational
Chlorine Residual: 1 mg/l

Tank Lid / Riser: Secured
Insp. Port / Plug: 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. - Inspection Port Plug was noted as Secured prior to leaving. - Copy emailed to the customer on 9/22/2021.

Service Completed

Insp ID #:5855

Provider: *Samuel R. Payne*

Technician: *David H Rogers*

License Info: MP0000776 Expires: 6/25/2024

License Info: MT0002108 Expires: 9/30/2024

Billy Jack's Maintenance Company
2301 CR 120
Marble Falls, TX 78654

Phone: (830) 596-9000

mybjmaint@gmail.com

To: Richard R Mendel
12719 Scouts
Cypress, TX 77429

Printed: 1/20/2022
Site: 1034 Eagle Point Dr.
Fischer, TX 78623
(832) 732-4803

Permit #: **108525**

Agency: Comal County
County: Comal
Mfg / Brand: - AQUA KLEAR
Treatment Type: Aerobic
Disposal: Spray

Customer ID: 2145

Contract Dates: 12/20/2020 - 12/20/2022
Scheduled Date: 1/20/2022 Inspection 4 of 6
Aerator: AK500S96C Installed: 12/20/2018
Warranty End: 12/20/2020

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"

Visit Date: 1/20/2022

Entered By: Ashley Payne

Method: **Grab**

Copy emailed to Customer
Customer Emailed: 1/20/2022

Technician: David Rogers

Maint. Provider: Samuel Payne

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: .1 mg/l

Tank Lid / Riser: Secured

Insp. Port / Plug: 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. - Inspection Port Plug was noted as Secured prior to leaving. - Copy emailed to the customer on 1/20/2022.

Insp ID #:6098

Provider: *Samuel R. Payne*

Technician: *David H Rogers*

License Info: MP0000776 Expires: 6/25/2024

License Info: MT0002108 Expires: 9/30/2024

Billy Jack's Maintenance Company

2301 CR 120
Marble Falls, TX 78654

(830) 596-9000

mybjmaint@gmail.com

Printed:7/20/2023

Insp ID #:7058

Permit #: **108525**

To: **Richard R Mendel**
12719 Scouts
Cypress, TX 77429

Main Phone: (832) 732-4803

Work:

Cell Phone:

Alt Cell:

Customer ID: 2145

Contract Dates: 12/20/2022 - 12/20/2024

Scheduled Date 5/20/2023

Inspection 2 of 6

Aerator: AK500S96C

Installed: 12/20/2018

Warranty End: 12/20/2020

Site: 1034 Eagle Point Dr., Fischer, TX 78623

Agency: Comal County

County: Comal

Mfg / Brand: - AQUA KLEAR

Treatment Type: Aerobic

Disposal: Spray

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"

Entered By: Ashley Payne

Visit Date: 6/13/2023

Method: Grab

Technician: David Rogers

Maint. Provider: Samuel Payne

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: .1 mg/l

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Tank Lid / Riser: Secured

Insp. Port / Plug: Secured

Alarm: Operational

Comments

Service Completed

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Inspection Port Plug was noted as Secured prior to leaving.

Site: 1034 Eagle Point Dr., Fischer, TX 78623

Originally Entered On: 6/13/2023

Provider: *Samuel R. Payne*

License # MP0000776

License Info: MP0000776 Expires: 6/25/2024

Technician: *David H Rogers*

License Info: MT0002108 Expires: 9/30/2024

Billy Jack's Maintenance Company

2301 CR 120
Marble Falls, TX 78654

(830) 596-9000

mybjmaint@gmail.com

Printed:5/26/2023 Insp ID #:6835

Permit #: **108525**

To: **Richard R Mendel**
12719 Scouts
Cypress, TX 77429

Main Phone: (832) 732-4803

Work:

Cell Phone:

Alt Cell:

Customer ID: 2145

Contract Dates: 12/20/2022 - 12/20/2024

Scheduled Date: 1/20/2023

Inspection 1 of 6

Aerator: AK500S96C

Installed: 12/20/2018

Warranty End: 12/20/2020

Site: 1034 Eagle Point Dr., Fischer, TX 78623

Agency: Comal County

County: Comal

Mfg / Brand: - AQUA KLEAR

Treatment Type: Aerobic

Disposal: Spray

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"

Entered By: Ashley Payne

Visit Date: 1/16/2023

Method: Grab

Technician: David Rogers

Maint. Provider: Samuel Payne

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: .1 mg/l

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Tank Lid / Riser: Secured

Insp. Port / Plug: Secured

Alarm: Operational

Comments

Service Completed

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Inspection Port Plug was noted as Secured prior to leaving.

Site: 1034 Eagle Point Dr., Fischer, TX 78623

Originally Entered On: 1/16/2023

Provider: *Samuel R. Payne*

License # MP0000776

License Info: MP0000776 Expires: 6/25/2024

Technician: *David H Rogers*

License Info: MT0002108 Expires: 9/30/2024