



COMAL COUNTY

ENGINEER'S OFFICE

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: 10/29/2021 Permit Number: 111803

Location Description: 1422 ENSENADA DR
CANYON LAKE, TX 78133

Subdivision: Ensenada Shores at Canyon Lake
Unit: 1
Lot: 74
Block:
Acreage: 1.0900

Type of System: Aerobic
Surface Irrigation

Issued to: Robert K. Mann & Ruth E. Mann

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

Licensing Authority
Comal County Environmental Health

ENVIRONMENTAL HEALTH INSPECTOR

ENVIRONMENTAL HEALTH COORDINATOR

OS0034792

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: Doug Dowlearn OSSF Installer #: OS0009902

1st Inspection Date: 04-20-2021 2nd Inspection Date: 04-21-2021 3rd Inspection Date: _____

Inspector Name: B. Olvera Inspector Name: B. Olvera Inspector Name: _____

Permit#: 111803 Address: 1422 Ensenada Shore / Ensenada Shores at Canyon Lake

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	04-20-21	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)		04-20-21		
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)				

04-20-2021 BMO: Tank Set Level No Leaks, Operational, Ready For Cover, Address Rocks

04-21-2021 BMO: Covered, Need Revision On Tank Type before LTO

10-29-2021 BMO: Ready for LTO

**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 SingleTank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(E) 285.91(2) 285.32(b)(1)(F) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(ii)(I) 285.32(b)(1)(E)(i) 285.32(b)(1)(D) 285.32(b)(1)(C)(ii) 285.32(b)(1)(C)(i) 285.32(b)(1)(B) 285.32(b)(1)(A) 285.32(b)(1)(E)(iv)				
9	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used	04-20-21	285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)		04-20-21		
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
11	SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed						
13	PUMP TANK Volume Installed						
14	AEROBIC TREATMENT UNIT Size Installed			600			
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number			Nuwater			
16	DISPOSAL SYSTEM Absorptive		285.33(a)(4) 285.33(a)(1) 285.33(a)(2) 285.33(a)(3)				
17	DISPOSAL SYSTEM Leaching Chamber		285.33(a)(1) 285.33(a)(3) 285.33(a)(4) 285.33(a)(2)				
18	DISPOSAL SYSTEM Evapo-transpirative		285.33(a)(3) 285.33(a)(4) 285.33(a)(1) 285.33(a)(2)				

**Comal County Environmental Health
OSSF Inspection Sheet**

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

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
32	EFFLUENT DISPOSAL SYSTEM Utilized Only by Single Family Dwelling EFFLUENT DISPOSAL SYSTEM Topographic Slopes < 2.0% EFFLUENT DISPOSAL SYSTEM Adequate Length of Drain Field (1000 Linear ft. for 2 bedrooms or Less & an additional 400 ft. for each additional bedroom) EFFLUENT DISPOSAL SYSTEM Lateral Depth of 18 inches to 3 ft. & Vertical Separation of 1ft on bottom and 2 ft. to restrictive horizon and ground water respectfully EFFLUENT DISPOSAL SYSTEM Lateral Drain Pipe (1.25 - 1.5" dia.) & Pipe Holes (3/16 - 1/4" dia. Hole Size) 5 ft. Apart		285.33(b)(3)(A) 285.33(b)(3)(A) 285.33(b)(3)(B) 285.91(13) 285.33(b)(3)(D) 285.33(b)(3)(F)				
33	AEROBIC TREATMENT UNIT Is Aerobic Unit Installed According to Approved Guidelines.	04-20-21	285.32(c)(1)		04-20-21		
34	AEROBIC TREATMENT UNIT Inspection/Clean Out Port & Risers Provided AEROBIC TREATMENT UNIT Secondary restraint system provided AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions						
35	AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.						
36	PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & construction PUMP TANK Sampling Port Provided in the Treated Effluent Line PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump						
37	PUMP TANK Inspection/Clean Out Port & Risers Provided PUMP TANK Secondary restraint system provided PUMP TANK Riser permanently fastened to lid or cast into tank PUMP TANK Riser cap protected against unauthorized intrusions						
38	PUMP TANK Secondary restraint system provided						
39	PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried						

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?	04-20-21	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)		04-20-21		
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)			04-21-21 	
42	APPLICATION AREA Area Installed						
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						



COMAL COUNTY

ENGINEER'S OFFICE

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

Permit Number: 111803
Issued This Date: 12/28/2020
This permit is hereby given to: Robert K. Mann & Ruth E. Mann

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

1422 ENSENADA DR
CANYON LAKE, TX 78133

Subdivision: Ensenada Shores at Canyon Lake
Unit: 1
Lot: 74
Block:
Acreage: 1.0900

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic
Surface Irrigation

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

Call (830) 608-2090 to schedule inspections.

Revised February 2020

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

REVISED

8:23 am, Dec 28, 2020

Planning Materials & Site Evaluation as Required Completed By Douglas R. Dowlearn

System Description Aerobic Treatment with Spray Distribution

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

Tank Size(s) (Gallons) 600 gpd Absorption/Application Area (Sq Ft) 4688 Required

Gallons Per Day (As Per TCEQ Table III) 300

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

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

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

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

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

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

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

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

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

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

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

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

Is this property within an incorporated city? ☐ Yes ☒ No

If yes, indicate the city: _____

By signing this application, I certify that:

- The information provided above is true and correct to the best of my knowledge.

- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable.



Signature of Designer

12/15/20

Date

Page 2 of 2

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**COUNTY OF COMAL
STATE OF TEXAS**

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DEC 22 2020

AFFIDAVIT TO THE PUBLIC

COUNTY ENGINEER

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

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

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

An OSSF requiring a maintenance contract, according to 30 Texas Administrative Code § 285.91 (12) will be installed on the property described as (insert legal description): Lot 74, Ensenada Shores at Canyon Lake, Unit One

The property is owned by (insert owner's full name): Robert K. Mann & Ruth E. Mann

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

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

WITNESS BY HAND(S) ON THIS 16 DAY OF December 2020

Robert K. Mann
Ruth E. Mann
Owner(s) signature(s)

12/16/2020
12/16/2020
(PRINTED NAME)

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 16 DAY OF Dec. 2020

Keith Johnson
Notary Public, State of Texas
Notary's Printed Name: Keith Johnson
My Commission Expires: 05/03/2022



Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
12/18/2020 12:44:43 PM
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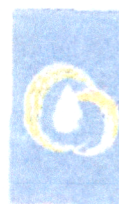


Bobbie Koepf

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DEC 22 2020

15188 FM 306
Canyon Lake, TX 78133
Phone (830) 964-2365 Fax (830) 964-2659



Aerobic Services
of South Texas

COUNTY ENGINEER

Routine Maintenance and Inspection Agreement

General

This Work for Hire Agreement (hereinafter referred to as this "Agreement") is entered into by and between **Robert K. & Ruth E. Mann** (referred to as "Client") and Aerobic Services of South Texas (Thomas W. Hampton MP 349) (hereinafter referred to as "Contractor") located at 15188 FM 306, Texas 78133 (830) 964-2365. By this Agreement the Contractor agrees to render professional service, as described herein, and the Client agrees to fulfill the terms of this Agreement as described herein.

This contract will provide for all required inspections, testing and service for your Aerobic Treatment System. The policy will include the following:

1. 3 inspections a year/services calls (at least one every 4 months), for a total of 6 over the **two year period** including inspection, adjustment and servicing of the mechanical, electrical and other applicable component parts to ensure proper function. This includes inspecting control panel, air pumps, air filters, diffuser operation. Any alarm situation affecting the proper function of the Aerobic process will be address within a 48-hour time Frame. Repair work on non-warranty parts will include price for parts & labor. The prices will be quoted before work is performed.
2. An effluent quality inspection consisting of a visual check for color, turbidity, scum overflow and examination for odors. A test for chlorine residual and pH will be taken and reported as necessary
3. If any improper operation is observed, which cannot be corrected at the time of the service visit, you will be notified immediately in writing of the conditions and estimated date of correction.
4. The customer is responsible for the chlorine tablets; they must be filled before or during the service visit.
5. Any additional visits, inspections or sample collection required by specific Municipalities, Water/River Authorities, and County Agencies the TCEQ or any other authorized regulatory agency in your jurisdiction will be covered by this policy.

The Homeowners Manual must be strictly followed or warranties are subject to invalidation. **Pumping of sludge build-up is not covered by this policy and will result in additional charges.**

ACCESS BY CONTRACTOR

The Contractor or anyone authorized by the Contractor may enter the property at reasonable times without prior notice for the purpose of the above described Services. The contractor may access the System components including the tanks by means of excavation for the purpose of evaluations if necessary. Soil Is to be replaced with the excavated material as best as possible.

Termination of Agreement

Either party may terminate this agreement within ten days written notice in the event of substantial failure to perform in accordance with its terms by the other party without fault of the terminating party. If this Agreement is so terminated, **the Contractor will immediately notify the appropriate health authority of the termination.**

Limit of Liability

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

Dispute Resolution

If a dispute between the Client and the Designer arises that cannot be settled in good faith negotiations then the parties shall choose a mutually acceptable arbitrator and shall share the cost of the arbitration services equally.

Entire Agreement

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

Severability

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

HOME OWNER

Robert K. & Ruth E. Mann

Name

1422 Ensenada Drive

Address

Canyon Lake, TX 78133

City, State

281.455.1368 (Randy Brown)

Phone

[Signature]
Signature of Home Owner

SERVICE PROVIDER

Aerobic Services of South Texas Inc.

Name

15188 FM 306

Address

Canyon Lake, Texas 78133

City, State

(830) 964 - 2365

Phone

[Signature] OS24597/MP349
Signature of Service Provider and License #
Thomas Hampton

Issue date of License to Operate

EFFECTIVE DATE _____ EXPIRED DATE 2 years later INSTALLED _____

Model # _____

Blower/Panel Serial # _____

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

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DEC 22 2020

COUNTY _____

OSSF SOIL EVALUATION REPORT INFORMATION

Date: 12/17/20

Applicant Information:

Name: Robert K. Mann & Ruth E. Mann c/o Randy Brown

Address: 2027 Jackson Street

City, State & Zip Code: Eugene, OR 97405

Phone: 281.455.1368 (Randy Brown)

Email: randy@r-brown.com

Site Evaluator Information:

Name: Douglas R. Dowlearn

Company: D.A.D. Services, Inc.

Address: 703 Oak Drive

City, State & Zip: Blanco, TX 78606

Phone: (210)240-2101 Fax: (866)260-7687

Email: txseptic@gmail.com

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Property Location:

Lot: 74 Subdivision: Ensenada Shores at Canyon Lake, Unit One

Street/Road Address: 1422 Ensenada Drive

City: Canyon Lake Zip: 78133

Additional Info: Comal County/1.09 Acres

Installer Information:

Name: Douglas R. Dowlearn

Company: D.A.D. Services, Inc.

Address:

City, State & Zip:

Phone: 210.240.2101

COUNTY ENGINEER

Depth	Texture Class	Soil Texture	Structure (For Class III - blocky, platy or massive)	Drainage (Mottles/Water Table)	Restrictive Horizon	Observation
Soil Boring #1 60"	III	0-12" Clay Loam 12"+ Limestone	Blocky	<30% Gravel	12"+ Limestone	None
Soil Boring #2 60"		Same as above				

DESIGN SPECIFICATIONS

Application Rate (RA): 0.064

OSSF is designed for: 3 BR (2508 Sq. Ft.)

300 Gallons per day required

An aerobic treatment/spray disposal system is to be utilized based on the site evaluation.

4688 sq. ft. disposal area required

600 gallon/day aerobic tank required

Calculations: Absorption Area: $Q/RA = 300/0.064 = 4688$ Sq. Ft.

FEATURES OF SITE AREA

Presence of 100-year flood zone: NO

Existing or proposed water well in nearby area: NO

Presence of adjacent ponds, streams, water impoundments: NO

Presence of upper water shed: NO

Organized sewage service available to lot: NO

I certify that the findings of this report are based on my field observations and are accurate to the best of my ability. The site evaluation and OSSF design are subject to approval by the TCEQ or the local authorized agent. The planning materials and the OSSF design should not be considered final until a permit to construct has been issued.

Site Evaluator:

NAME: Douglas R. Dowlearn, R.S.

License No. OS9902 - Exp. 6/30/2023

TDH: #2432 - Exp. 2/28/2021

Signature:



D.A.D SERVICES, INC.
DOUG DOWLEARN
703 OAK DRIVE, BLANCO, TX 78606
Designed for: Robert K. & Ruth E. Mann c/o Randy Brown

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DEC 22 2020

COUNTY ENGINEER

The installation site is on Lot 74 of the Ensenada Shores at Canyon Lake, Unit One Subdivision in Comal County, TX. The proposed OSSF will treat the wastewater from a 3 Bedroom (2508 sq. ft.) residence. The proposed method of wastewater treatment is aerobic treatment with spray irrigation. This method was chosen because of unsuitable soil conditions.

PROPOSED SYSTEM:

A 4" PVC pipe will discharge from the residence to a pre-treatment tank, which flows into a 600 gpd aerobic treatment plant. The aerobic tank effluent flows to a 792 gallon storage/pump tank containing a liquid chlorinator and a single 20 gpm submersible pump. Distribution is through 2 K-Rain Gear Driven pop-up sprinklers, with low angle (13 degrees) spray nozzles spraying a radius of 28 feet at <40 psi. Each sprinkler will spray 360 degrees of arc. An audio and visual alarm monitoring both high water and aerator failure will be placed in a noticeable location.

DESIGN SPECIFICATIONS:

Daily Waste Flow: 300 gpd
Application rate: 0.064
Application area required: $300 / .064 = 4688$ ft. sq.
Application area utilized: 4922 sq. ft.
Pump tank reserve capacity: 150 gal minimum



Douglas R. Dowlearn

12/17/20

SYSTEM COMPONENTS:

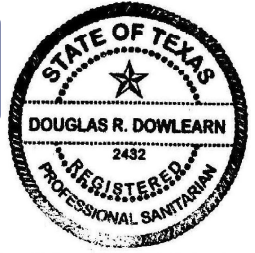
SCH 40 PVC sewer line
1" purple PVC supply line
600 gpd aerobic treatment plant with manual or timed controls
Liquid chlorinator
2 K-Rain Gear Driven Pop-up Sprinkler
Pre-tank and 792 gallon pump tank

LANDSCAPING:

The native vegetation in the distribution area should consist of low level shrubs, plains grass, bluestem or bermuda. The entire area of the spray must be covered with a ground cover such as grass seed or sod prior to the final inspection. In the event the natural cover is disturbed, a suitable ground cover must be installed on all excavated areas.

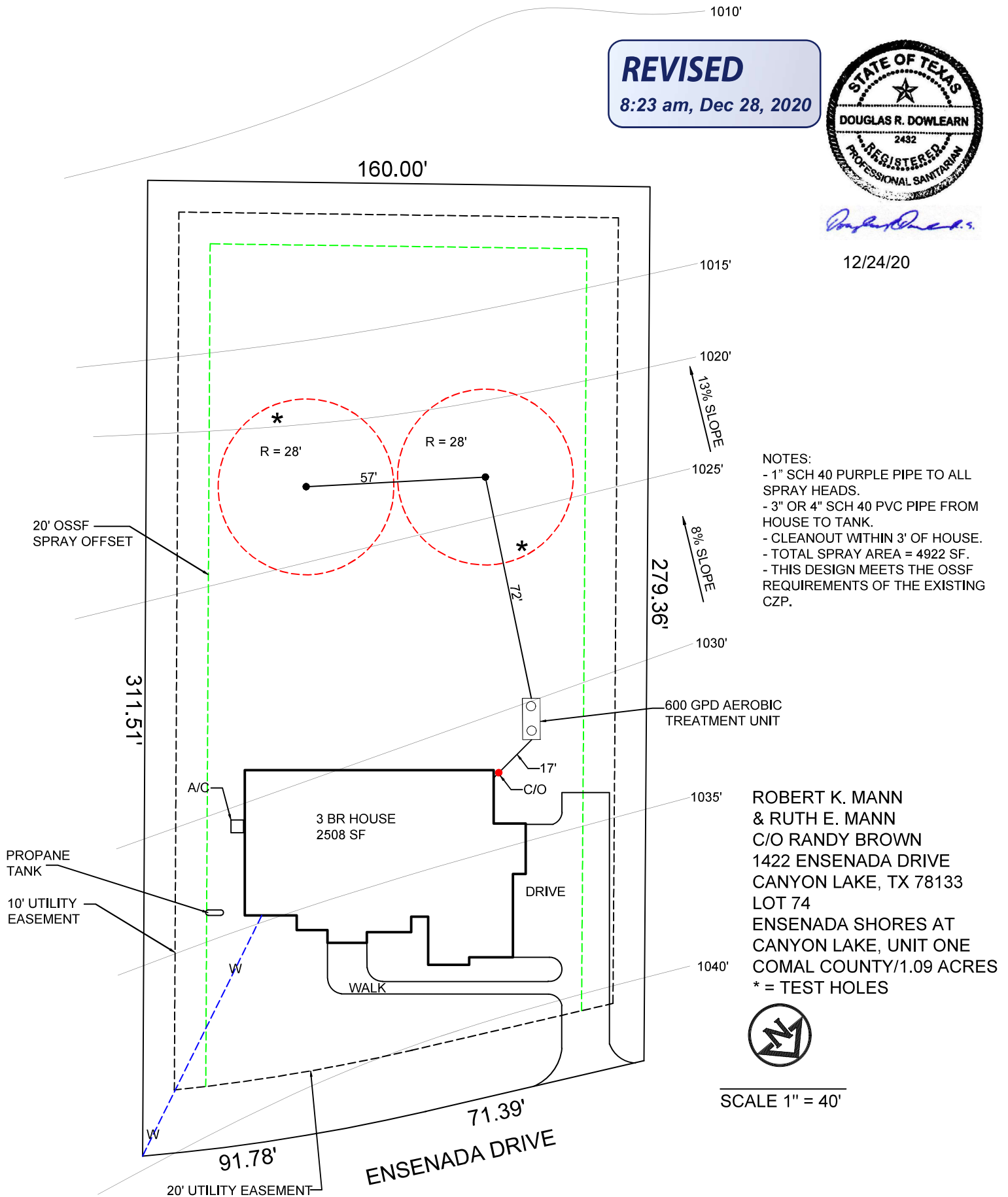
REVISED

8:23 am, Dec 28, 2020



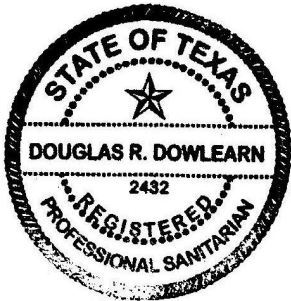
Douglas R. Dowlearn

12/24/20



Assembly Details

OSSF

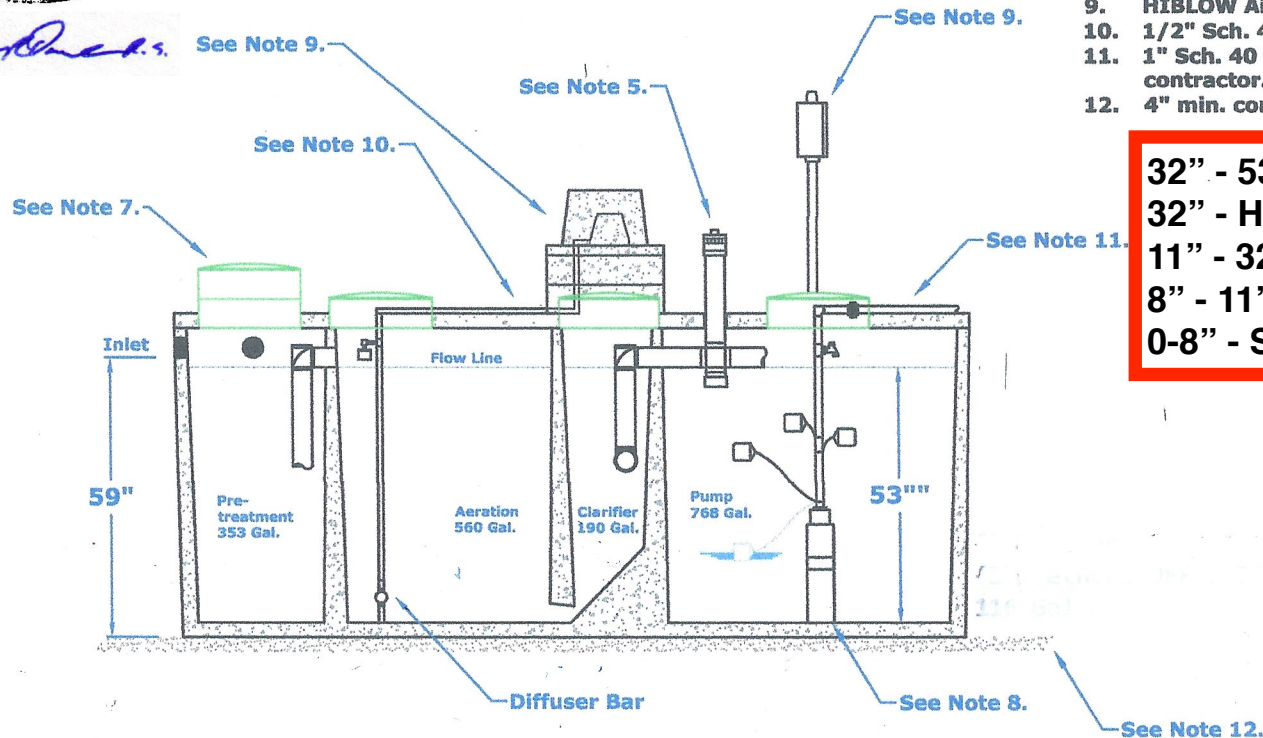


Douglas R. Dowlearn

REVISED

8:25 am, Oct 29, 2021

14.49 Gal per Inch



GENERAL NOTES:

1. Plant structure material to be precast concrete and steel.
2. Maximum burial depth is 30" from slab top to grade.
3. Weight = 14,900 lbs.
4. Treatment capacity is 600 GPD. Pump compartment set-up for a 360 GPD Flow Rate (4 bedroom, < 4,000 sq/ft living area). Please specify for additional set-up requirements. BOD Loading = 1.62 lbs. per day.
5. Standard tablet chlorinator or Optional Liquid chlorinator. NSF approved chlorinators (tablet & liquid) available.
6. Bio-Robix B-550 Control Center w/ Timer for night spray application. Optional Micro Dose (min/sec) timer available for drip applications. Electrical Requirement to be 115 Volts, 60 Hz, Single Phase, 30 AMP, Grounded Receptacle.
7. 20" Ø access riser w/ lid (Typical 4). Optional extension risers available.
8. 20 GPM 1/2 HP, high head effluent pump.
9. HIBLOW Air Compressor w/ concrete housing.
10. 1/2" Sch. 40 PVC Air Line (Max. 50 Lft from Plant).
11. 1" Sch. 40 PVC pipe to distribution system provided by contractor.
12. 4" min. compacted sand or gravel pad by Contractor

32" - 53" - Reserve - 304 Gal
32" - High Water Alarm Float
11" - 32" - Working Level - 304 Gal
8" - 11" - On/Off Tether - 44 Gal
0-8" - Sump - 116 Gal

Outside Height: 67"
 Outside Width: 63"
 Outside Length: 164"

MINIMUM EXCAVATION DIMENSIONS:
 Width: 76"
 Length: 176"

NuWater B-550 (600 GPD)
Aerobic Treatment Plant (Assembled)

Model: B-550-PC-400PT

March, 2012 - Rev 1
 By: A.S.

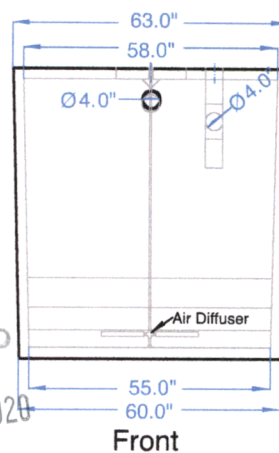
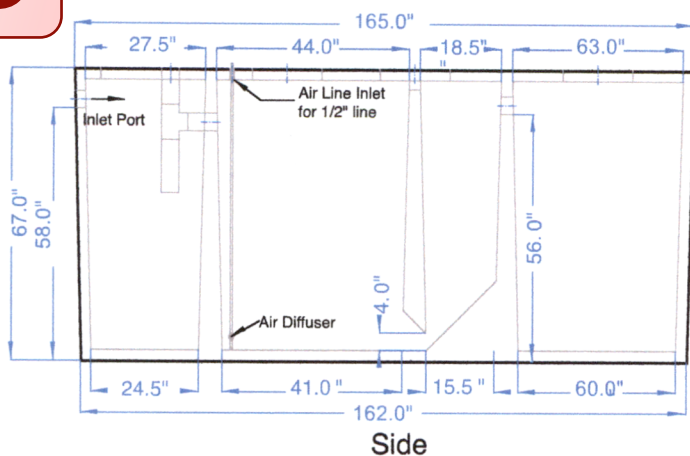
Scale:
 * All Dimensions subject to allowable specification tolerances.

Dwg. #: ADV-B550-3

Advantage
 Wastewater Solutions, Inc.

Advantage Wastewater Solutions Inc.
 444 A Old Hwy No 9
 Comfort, TX 78013
 830-995-3189
 fax 830-995-4051

VOID



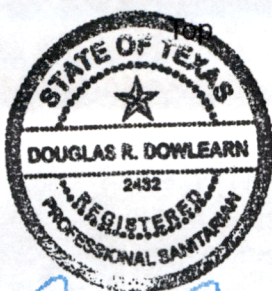
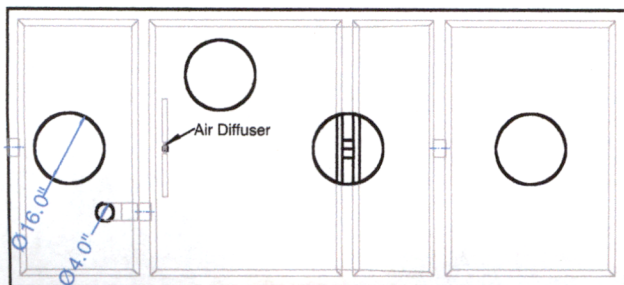
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Front

COUNTY ENGINEER

14.14 gallons per inch
45"-56" - Reserve - 156 Gallons
45" - Alarm
18"-45" - Working Level - 382 Gallons
15"-18" - On/Off Tether-42 Gallons
0-15" - Sump - 212 Gallons



VOID

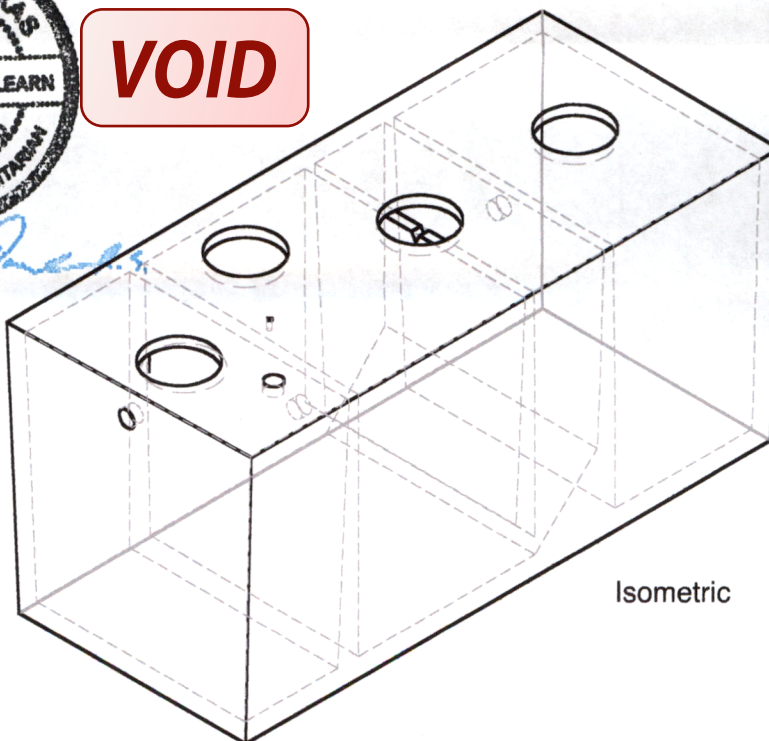
Tank Capacity

Pretreatment Chamber: 400 Gal
Aeration Chamber: 530 Gal
Clarifier Chamber: 220 Gal
Pump Chamber: 792 Gal



Tank Notes

- *Access at or above grade level must be secured against unauthorized access.
- *Tank is not rated for vehicular traffic loading
- *Primary dimensions are in inches
- *Minimum tank wall thickness is 2 1/2"
- *Labeling will include: manufacturer name, liquid capacity, date, and model number.
- *Concrete Strength Min. 3000psi



Isometric

Tex Aire Brand

On Site Wastewater Treatment Systems
by Acquired Wastewater Technologies, LCC

Model:
TX 600 S PT792

Class:
I

Material:
Concrete

Rated Capacity:
600GPD w/792 Gal pump tank

Diffuser:

D100P

VOID

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

VOID

Planning Materials & Site Evaluation as Required Completed By Douglas R. Dowlearn

System Description Aerobic Treatment with Spray Distribution

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

Tank Size(s) (Gallons) 600 gpd Absorption/Application Area (Sq Ft) 4688 Required

Gallons Per Day (As Per TCEQ Table III) 300

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

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

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

DEC 22 2020

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

COUNTY ENGINEER

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

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

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

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

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

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

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

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

Is this property within an incorporated city? ☐ Yes ☒ No

If yes, indicate the city: _____

By signing this application, I certify that:

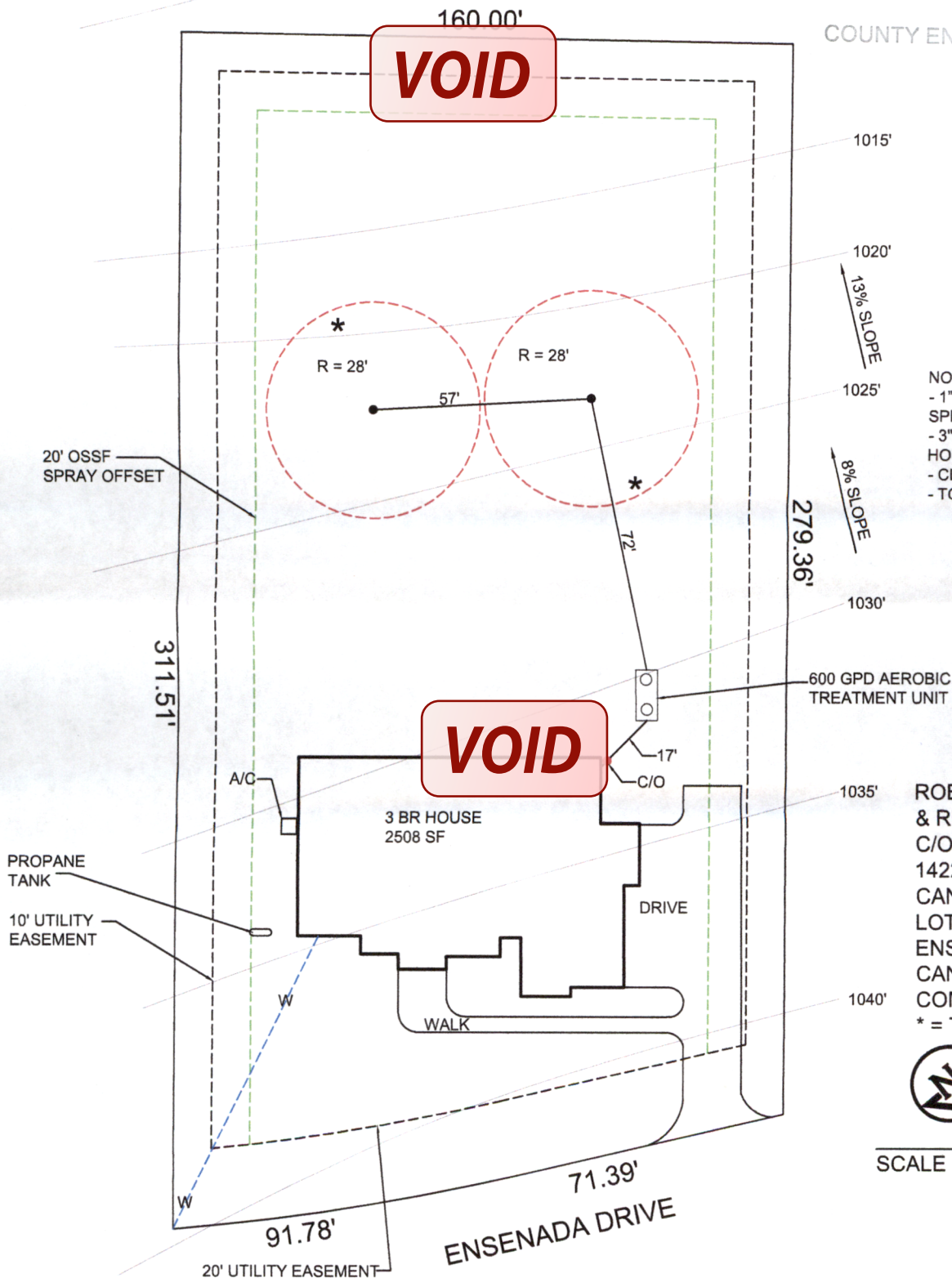
- The information provided above is true and correct to the best of my knowledge.
- I affirmatively consent to the online posting/public release of my e-mail address associated with this permit application, as applicable.

Signature of Designer

12/15/20
Date

Page 2 of 2

SCALE 1" = 40'



3/m

SCANNED



202006034576 08/19/2020 11:49:17 AM 1/3

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

GENERAL WARRANTY DEED

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Date: July 29, 2020

DEC 22 2020

COUNTY ENGINEER

Grantor: Merrily Joy Brown, Trustee of the Dorothy Mann Special Living Trust dated September 18, 2018, and any amendments thereto.

Grantor's Mailing Address:

25014 Kiawah Isle
San Antonio, Texas 75260

Grantee: Robert K Mann and Ruth E Mann

Grantee's Mailing Address:

2027 Jackson St
Eugene, Oregon 97405

Consideration:

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

Property (including any improvements): Lot 74, Ensenada Shores at Canyon Lake, Unit One, situated in Comal County, Texas, according to map or plat thereof recorded in Volume 14, Pages 388-392, Map and Plat Records of Comal County, Texas.

Property more commonly known as 1422 Ensenada Drive, Canyon Lake, TX 78133.

Reservations from Conveyance:

None

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COUNTY ENGINEER

Exceptions to Conveyance and Warranty:

Validly existing Restrictive Covenants, Easements, Rights-of-way, and Prescriptive rights, whether of record or not; all presently recorded and validly existing instruments, other than conveyances of the surface fee estate, that affect the Property; and taxes for 2020, which Grantee assumes and agrees to pay, and subsequent assessments for that and prior years due to change in land usage, ownership, or both, the payment of which Grantee assumes.

Grantor, for the Consideration and subject to the Reservations from Conveyance and the 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 way belonging, to have and to hold it to Grantee and Grantee's heirs, successors, and assigns forever. Grantor binds Grantor and Grantor's heirs and successors to warrant and forever defend all and singular the Property to Grantee and Grantee's heirs, successors, and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof, except as to the Reservations from Conveyance and the Exceptions to Conveyance and Warranty.

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

GRANTOR:

By: Merrily Joy Brown, Trustee

Merrily Joy Brown, Trustee of the Dorothy Mann Special Living Trust dated September 18, 2018, and any amendments thereto

ACKNOWLEDGEMENT:

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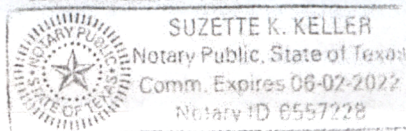
COUNTY ENGINEER

STATE OF TEXAS §
 §
COUNTY OF Bexar §

Before me, Suzette K. Keller, on this day personally appeared Merrily Joy Brown, Trustee of the Dorothy Mann Special Living Trust dated September 18, 2018, and any amendments thereto, proved to me through DL, to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she has executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 29 day of May 2020.

Signed: [Signature]
Notary Public, State of Texas



PREPARED IN THE OFFICE OF:
Shann M. Chaudhry, Esq., Attorney at Law, PLLC
111 W. Olmos Drive
San Antonio, Texas 78212
Tel: (210) 646-9400
Fax: (210) 646-0038

→ O.R.N.T.
115 N. LOOP 1604 E #2200
Keller Team
San Antonio, TX, 78232

Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
08/19/2020 11:49:17 AM
CASHFOUR 3 Page(s)
202006034576



Bobbie Koepf



COMAL COUNTY
ENGINEER'S OFFICE

**OSSF DEVELOPMENT APPLICATION
CHECKLIST**

Staff will complete shaded items

12/22/2020	P	111803
Date Received	Initials	Permit Number

Instructions:

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

OSSF Permit

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

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

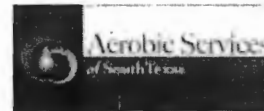
[Signature]
Signature of Applicant

12/16/2020
Date

___ COMPLETE APPLICATION	
Check No. _____	Receipt No. _____

INCOMPLETE APPLICATION ___ (Missing Items Circled, Application Refused)

Aerobic Services of South Texas
15188 FM 306
Canyon Lake, TX 78133



Printed: 12/28/2021

Phone: (830) 964-2365
Fax: (830) 964-2659
www.aerobicservices.com
Permit #: 111803

To: Robert & Ruth Mann
1422 Ensenada Drive
Canyon Lake, TX 78133

Tech: Not Assigned
Brand/Mfg.: Nu-W 600 -
System S/N:
Aerator and S/N:

Contract: 10/29/2021 - 10/29/2023
Inspections per year: 3
Service Due: 2/28/2022
Alt Phone: ①

Site: 1422 Ensenada Drive, Canyon Lake
Agency: Comal County Environmental Health
County: Comal
Subdivision: Ensenada Shores

Phone: (541) 954-7106
Cell: (541) 912-3747
Work:

Inspection Type: Scheduled

Item	Operational	Inoperative	N/A
Aerator:	<u>/</u>	<u>/</u>	<u>/</u>
Irrigation pump:	<u>/</u>	<u>/</u>	<u>/</u>
Air compressor:	<u>/</u>	<u>/</u>	<u>/</u>
Disinfection device:	<u>/</u>	<u>/</u>	<u>/</u>
Chlorine supply:	<u>/</u>	<u>/</u>	<u>/</u>
Spray field vegetation:	<u>/</u>	<u>/</u>	<u>/</u>
Sprinkler / Drip backwash:	<u>/</u>	<u>/</u>	<u>/</u>
Controls/ Electric Circuits	<u>/</u>	<u>/</u>	<u>/</u>

Air Pressure 60

Test Results and observations: (As Required)

Chlorine Residual: 0.08

Test Method: DPO

BOD: /

TSS: /

Access Ports Secured YES/NO

Repairs made: YES/NO

Mixed Liquor
Aeration 0
Sludge Levels
Clarifier 4
Pump 1

Repairs and Comments: Reattached loose override and alarm float.
Had come off of pump stem.

Inspector: Tom Hampton VP
MP349/OS24597

Date: 2/15/22

gc 8963
personal 1229

may want w/it

Area: / 0
GPS:

ID = 61116533

1422 Ensenada Drive, Canyon Lake

Aerobic Services of South Texas
15188 FM 306
Canyon Lake, TX 78133



(830) 964-2365
Fax: (830) 964-2659
www.aerobicservices.com

To: Robert & Ruth Mann
1422 Ensenada Drive
Canyon Lake, TX 78133
Agency: Comal
County: Comal
Permit No: 111803

Tech: Chris Bausch
Phone: (541) 954-7106
Alt Ph: (541) 912-3747
Date: 2022-10-31
Service Due:

Inspection Type: Scheduled

Item	Operational	Inoperative	N/A
Aerator:	[X]	[]	[]
Irrigation pump:	[X]	[]	[]
Air compressor:	[X]	[]	[]
Disinfection device:	[X]	[]	[]
Chlorine supply:	[]	[X]	[]
Spray field vegetation:	[X]	[]	[]
Sprinkler / Drip backwash:	[X]	[]	[]
Controls / Electric Circuits:	[X]	[]	[]

Air Pressure: 55

Test Results and observations: (As Required)

Chlorine Residual: 0.00
Test Method: Dpd
BOD:
TSS:
Access Ports Secured: Yes [X] / NO []
Repairs Made: Yes [] / NO [X]

Mixed Liquor
Aeration: 52
Sludge Levels
Clarifier: 52
Pump: 3

Repairs and Comments:
Add bleach.

CB

Inspector: Tom Hampton VP
MP349/OS24597
Date: 2022-10-31

Aerobic Services of South Texas
15188 FM 306
Canyon Lake, TX 78133



Canyon Lake: (830) 964-2365
Bastrop: (512) 303-6922
info@aerobicservices.com
bastrop@aerobicservices.com
MP349 / OS24597
www.aerobicservices.com

To: Robert & Ruth Mann
1422 Ensenada Drive
Canyon Lake, TX 78133
Agency: Comal County Enviromental Health
County: Comal
Permit No: 111803

Tech: Chris Bausch
Phone: (541) 954-7106
Alt Ph: (541) 912-3747
Date: 2023-08-09
Service Due:

Inspection Type: Scheduled

Item	Operational	Inoperative	N/A
Aerator:	[X]	[]	[]
Irrigation pump:	[X]	[]	[]
Air compressor:	[X]	[]	[]
Disinfection device:	[X]	[]	[]
Chlorine supply:	[X]	[]	[]
Spray field vegetation:	[X]	[]	[]
Sprinkler / Drip backwash:	[X]	[]	[]
Controls / Electric Circuits:	[X]	[]	[]

Test Results and Observations: (As Required)

Chlorine Residual: 0.07
Test Method: Dpd
BOD:
TSS:

Access Ports Secured: Yes [X] / NO []
Repairs Made: Yes [] / NO [X]

Mixed Liquor Aeration: 40
Sludge Levels
Clarifier: 30
Pump: 4

Repairs and Comments:

CB

Inspector: Date: 2023-08-09

Tom Hampton, VP
MP349/OS24597

Aerobic Services of South Texas
15188 FM 306
Canyon Lake, TX 78133



Canyon Lake: (830) 964-2365
Bastrop: (512) 303-6922
info@aerobicservices.com
bastrop@aerobicservices.com
MP349 / OS24597
www.aerobicservices.com

To: Robert & Ruth Mann
1422 Ensenada Drive
Canyon Lake, TX 78133
Agency: Comal
County: Comal
Permit No: 111803

Tech: Marc
Phone: (541) 954-7106
Alt Ph: (541) 912-3747
Date: 2023-10-17
Service Due:

Inspection Type: Schedule

Item	Operational	Inoperative	N/A
Aerator:	[X]	[]	[]
Irrigation pump:	[X]	[]	[]
Air compressor:	[X]	[]	[]
Disinfection device:	[]	[]	[X]
Chlorine supply:	[X]	[]	[]
Spray field vegetation:	[X]	[]	[]
Sprinkler / Drip backwash:	[X]	[]	[]
Controls / Electric Circuits:	[X]	[]	[]

Test Results and Observations: (As Required)

Chlorine Residual: 0.09
Test Method: Dpd
BOD:
TSS:

Access Ports Secured: Yes [X] / NO []
Repairs Made: Yes [X] / NO []

Mixed Liquor
Aeration: 2
Sludge Levels
Clarifier: 36
Pump: 5

Repairs and Comments:
Upon arrival system was in aeration alarm. Got approval for new hp 60 compressor. Installed it and did full inspection of system. No other issues found.

ML

Inspector: Date: 2023-10-17

Tom Hampton, VP
MP349/OS24597

Aerobic Services of South Texas
15188 FM 306
Canyon Lake, TX 78133



Phone: (830) 964-2365

Fax: (830) 964-2659

Date Printed: 7/27/2023

www.aerobicservices.com info@aerobicservices.com

Customer ID: 61116533

Customer's Site Address: 1422 Ensenada Drive, Canyon Lake, TX 78133

County: Comal

Subdivision: Ensenada Shores

Cell Phone Main Phone

(541) 912-3747

(541) 954-7106

Email: ruthmann2021@gmail.com

To: Robert & Ruth Mann

1422 Ensenada Drive

Canyon Lake, TX 78133

Installed by D A D Services

Serviced by Aerobic Services of South Texas

Brand: Nu-W 600

Contract Period

10/29/2023

through

10/29/2024

Permit #: 111803

Agency: Comal County Environmental Health

3 visits per year - one every 4 months

**ROUTINE MAINTENANCE AND INSPECTION AGREEMENT
RENEWAL CONTRACT**

General

This Work for Hire Agreement (hereinafter referred to as this "Agreement") is entered into by and between the client named above (referred to as "Client") and Aerobic Services of South Texas (Thomas W. Hampton MP349) (hereinafter referred to as "Contractor") located at 15188 FM 306 Canyon Lake, Texas 78133 (830) 964-2365. By this Agreement the Contractor agrees to render professional service, as described herein, and the Client agrees to fulfill the terms of this Agreement as described herein. This contract will provide for all required inspections, testing, and service for your Aerobic Treatment System. The policy will include the following:

1. 3 inspections a year/services calls (at least one every 4 months), for a total of 3 over the one year period including inspection, adjustment and servicing of the mechanical, electrical and other applicable component parts to ensure proper function. This includes inspecting control panel, air pumps, air filters, diffuser operation. Any alarm situation affecting the proper function of the Aerobic process will be addressed within a 48-hour time frame. Repair work on non-warranty parts will include price for parts & labor. The prices will be quoted before work is performed.

2. An effluent quality inspection consisting of a visual check for color, turbidity, scum overflow and examination for odors. A test for chlorine residual and PH will be taken and reported as necessary.

3. If any improper operation is observed, which cannot be corrected at the time of the service visit, you will be notified immediately in writing of the conditions and estimated date of correction.

4. The client is responsible for chlorine; Must be filled before or during the service visit.

5. Any additional visits, inspections or sample collection required by specific Municipalities, Water/River Authorities, County Agencies the TCEQ or any other authorized regulatory agency in your jurisdiction will be covered by this policy.

The Homeowners Manual must be strictly followed or warranties are subject to invalidation. Pumping of sludge build-up is not covered by this policy and will result in additional charges.

ACCESS BY CONTRACTOR

The Contractor or anyone authorized by the Contractor may enter the property at reasonable times without prior notice for the purpose of the above described Services. The contractor may access the System components including the tanks by means of excavation for the purpose of evaluations if necessary. Soil is to be replaced with the excavated material as best as possible.

Termination of Agreement

Either party may terminate this agreement within ten days written notice in the event of substantial failure to perform in accordance with its terms by the other party without fault of the terminating party. If this Agreement is so terminated, the Contractor will immediately notify the appropriate health authority of the termination.

Limit of Liability

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

Dispute Resolution

If a dispute between the Client and the Contractor arises that cannot be settled in good faith negotiations then the parties shall choose a mutually acceptable arbitrator and shall share the cost of the arbitration services equally.

Entire Agreement

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

Severability

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

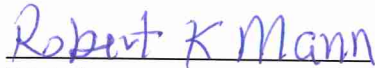
ENTERED

OWNER

SERVICE PROVIDER


Signature

Aerobic Services of South Texas Inc.
15188 FM 306
Canyon Lake, Tx 78133


Printed


Tom Hampton

Signature
Tom Hampton VP

541-934-1106 9/28/23
Phone/ Date

License# OS0024597 / MP 349

7/27/2023

Aerobic Services
15188 FM 306
Canyon Lake, TX 78133



Canyon Lake: (830) 964-2365
Bastrop: (512) 303-6922
info@aerobicsservices.com
bastrop@aerobicsservices.com
MP349 / OS24597
www.aerobicsservices.com

To: Robert & Ruth Mann
1422 Ensenada Drive
Canyon Lake, TX 78133
Agency: Comal County Environmental Health
County: Comal
Permit No: 111803

Tech: Robert Salinas
Phone: (541) 954-7106
Alt Ph: (541) 912-3747
Date: 2024-07-18
Service Due:

Inspection Type: Scheduled

Item	Operational	Inoperative	Not Present
Aerator:	[X]	[]	[]
Irrigation Pump:	[X]	[]	[]
Air Compressor:	[X]	[]	[]
Pump Screen:	[X]	[]	[]
Chlorinator:	[X]	[]	[]
Spray Field Vegetation:	[X]	[]	[]
Filters:	[X]	[]	[]
Sprinkler / Drip Backwash:	[X]	[]	[]
Controls / Electric Circuits:	[X]	[]	[]

Air Pressure: 62

Test Results and Observations: (As Required)

Chlorine Residual (ppm): 0.02
Test Method: DPD
BOD: N/a
TSS: N/a

Tank Lids Secured: Yes [X] / NO []
Pump Out Needed: Yes [] / NO [X]
Repairs Made: Yes [] / NO [X]

Mixed Liquor: all measurements in inches

Aeration: 46

Sludge Levels

Clarifier: 30
Pump: 4

Repairs and Comments:
System is functioning properly. Please add bleach to black cap on green lid. Thank you !

Inspector: _____ Date: 2024-07-18

Tom Hampton, VP
MP349/OS24597

ROUTINE MAINTENANCE AND INSPECTION AGREEMENT



**Robert & Ruth Mann
1422 Ensenada Drive
Canyon Lake, TX 78133
P: (541) 954-7106**

COUNTY: Comal

PERMIT: 111803

AGREEMENT LENGTH: 12 mos.

DESCRIPTION	TERM	AMOUNT	TAX	TOTAL
Residential Service Contract	10/29/24 - '25	370.00		370.00

GENERAL

This Work for Hire Agreement (hereinafter referred to as this "Agreement") is entered into by and between the client named above (referred to as to "Client") and Aerobic Services (Thomas W. Hampton MP349) (hereinafter referred to as "Contractor") located at 15188 FM 306 Canyon Lake, Texas 78133. By this Agreement the Contractor agrees to render professional service, as described herein, and the Client agrees to fulfill the terms of this Agreement as described herein. This contract will provide for all required inspections, testing and service for your Aerobic Treatment System. The policy will include the following:

- 1. 3 inspections per year (1 every 4 months), for a total of 3 over the one year period including inspection**, adjustment and servicing of the mechanical, electrical and other applicable component parts to ensure proper function. This includes inspecting control panel, air pumps, air filters, diffuser operation. Any alarm situation affecting the proper function of the Aerobic process will be addressed within a 48-hour time frame. Repair work on non-warranty parts will include price for parts & labor. The prices will be quoted before work is performed.
- 2. An effluent quality inspection** consisting of a visual check for color, turbidity, scum overflow and examination for odors. A test for chlorine residual and PH will be taken and reported as necessary.
- 3. If any improper operation is observed**, which cannot be corrected at the time of the service visit, you will be notified immediately in writing of the conditions and estimated date of correction.
- 4. The client is responsible for chlorine**. Must be filled before or during the service visit.
- 5. Any additional visits, inspections or sample collection required by specific Municipalities, Water/River Authorities, County Agencies the TCEQ or any other authorized regulatory agency in**

your jurisdiction will be covered by this policy.

The property owner's manual must be strictly followed or warranties are subject to invalidation. Pumping of sludge build-up is not covered by this policy and will result in additional charges.

ACCESS BY CONTRACTOR

The Contractor or anyone authorized by the Contractor may enter the property at reasonable times without prior notice for the purpose of the above described Services. The contractor may access the System components including the tanks by means of excavation for the purpose of evaluations if necessary. Soil is to be replaced with the excavated material as best as possible.

Termination of Agreement

Either party may terminate this agreement within ten days of the start date by providing written notice if other party substantially fails to perform in accordance with the terms of the agreement, without fault of the terminating party. If this Agreement is so terminated, the Contractor will immediately notify the appropriate health authority. Customers will receive a pro rata refund for the balance of their contract if canceled after the initial 10 day period.

Limit of Liability

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

Dispute Resolution

If a dispute between the Client and the Contractor arises that cannot be settled in good faith negotiations then the parties shall choose a mutually acceptable arbitrator and shall share the cost of the arbitration services equally.

Entire Agreement

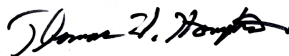
This Agreement contains the entire agreement of the parties, and there are no other promises or conditions in any other agreement either oral or written.

Severability

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

SERVICE PROVIDER

Aerobic Services
15188 FM 306
Canyon Lake, TX 78133



Signature

Tom Hampton VP

License # OS0024597 / MP 349

PLEASE REMIT

370.00

PAID 9.9.24
Entered 9.9.24



Customer Signature

*****To pay online, proceed to the "Billing" section in your Customer Portal**

IF MAILING YOUR PAYMENT: PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT
For Service at: 1422 Ensenada Drive, Canyon Lake, TX 78133

Aerobic Services
15188 FM 306
Canyon Lake, TX 78133



Canyon Lake: (830) 964-2365
Bastrop: (512) 303-6922
info@aerobicsservices.com
bastrop@aerobicsservices.com
MP349 / OS24597
www.aerobicsservices.com

To:	Robert & Ruth Mann	Tech:	Nick
	1422 Ensenada Drive	Phone:	(541) 954-7106
	Canyon Lake, TX 78133	Alt Ph:	(541) 912-3747
Agency:	Comal County Environmental Health	Date:	2024-11-12
County:	Comal	Service Due:	
Permit No:	111803		

Inspection Type: _____				
Item	Operational	Inoperative	Not Present	
Aerator:	[X]	[]	[]	Air Pressure: 68
Irrigation Pump:	[X]	[]	[]	
Air Compressor:	[X]	[]	[]	
Pump Screen:	[X]	[]	[]	
Chlorinator:	[X]	[]	[]	
Spray Field Vegetation:	[X]	[]	[]	
Filters:	[X]	[]	[]	
Sprinkler / Drip Backwash:	[X]	[]	[]	
Controls / Electric Circuits:	[X]	[]	[]	

Test Results and Observations: (As Required)

Chlorine Residual (ppm):	0.09	Mixed Liquor: all measurements in inches
Test Method:		Aeration: 48
BOD:	Dpd	Sludge Levels
TSS:		Clarifier: Thick fog (24)
Tank Lids Secured:	Yes [X] / NO []	Pump: 1
Pump Out Needed:	Yes [] / NO [X]	
Repairs Made	Yes [] / NO [X]	

Repairs and Comments:
Add liquid bleach to reservoir, system is fully operational.

MA

Inspector: _____	Date: 2024-11-12
Tom Hampton, VP MP349/OS24597	