



COMAL COUNTY

ENGINEER'S OFFICE

License to Operate On-Site Sewage Treatment and Disposal Facility

Issued This Date: 04/12/2023 Permit Number: 115692

Location Description: 884 MARLYS AVE
CANYON LAKE, TX 78133

Subdivision: Rocky Creek Ranch
Unit: 14
Lot: 474
Block: N/A
Acreage: 0.5000

Type of System: Aerobic
Surface Irrigation

Issued to: Dry Creek Custom Homes, LLC

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:

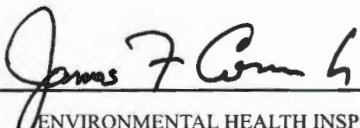
- Increase in the square feet of living area
- Increase in the number of bedrooms
- A change of use (i.e. residential to commercial)
- Relocation of system components (including the relocation of spray heads)
- Installation of landscaping
- Adding new structures to the system

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

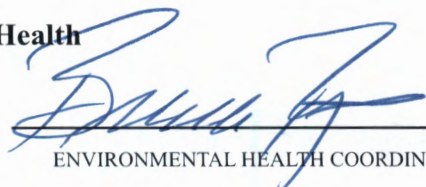
Inspection and licensing of a facility indicates only that the facility meets certain minimum requirements. It does not impede any governmental entity in taking the proper steps to prevent or control pollution, to abate nuisance, or to protect the public health.

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

OS0007722

Comal County Environmental Health OSSF Inspection Sheet

Installer Name: _____

OSSF Installer #: _____

1st Inspection Date: _____

2nd Inspection Date: _____

3rd Inspection Date: _____

Inspector Name: _____

Inspector Name: _____

Inspector Name: _____

Permit#:		Address:					
No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
1	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Site and Soil Conditions Consistent with Submitted Planning Materials		285.31(a) 285.30(b)(1)(A)(iv) 285.30(b)(1)(A)(v) 285.30(b)(1)(A)(iii) 285.30(b)(1)(A)(ii) 285.30(b)(1)(A)(i)				
2	SITE AND SOIL CONDITIONS & SETBACK DISTANCES Setback Distances Meet Minimum Standards		285.91(10) 285.30(b)(4) 285.31(d)				
3	SEWER PIPE Proper Type Pipe from Structure to Disposal System (Cast Iron, Ductile Iron, Sch. 40, SDR 26)		285.32(a)(1)				
4	SEWER PIPE Slope from the Sewer to the Tank at least 1/8 Inch Per Foot		285.32(a)(3)				
5	SEWER PIPE Two Way Sanitary - Type Cleanout Properly Installed (Add. C/O Every 100' &/or 90 degree bends)		285.32(a)(5)				
6	PRETREATMENT Installed (if required) TCEQ Approved List PRETREATMENT Septic Tank(s) Meet Minimum Requirements		285.32(b)(1)(G) 285.32(b)(1)(E)(iii) 285.32(b)(1)(E)(iv) 285.32(b)(1)(F) 285.32(b)(1)(B) 285.32(b)(1)(C)(i) 285.32(b)(1)(C)(ii) 285.32(b)(1)(D) 285.32(b)(1)(E) 285.32(b)(1)(A) 285.32(b)(1)(E)(ii)(II) 285.32(b)(1)(E)(i) 285.32(b)(1)(E)(ii)(I)				
7	PRETREATMENT Grease Interceptors if required for commercial		285.34(d)				

Inspector Notes:

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
8	SEPTIC TANK Tank(s) Clearly Marked SEPTIC TANK If Single Tank, 2 Compartments Provided with Baffle SEPTIC TANK Inlet Flowline Greater than 3" and " T " Provided on Inlet and Outlet SEPTIC TANK Septic Tank(s) Meet Minimum Requirements		285.32(b)(1) (E)285.91(2)285.32(b)(1) (F)285.32(b)(1)(E) (iii)285.32(b)(1)(E)(ii) (II)285.32(b)(1)(E)(ii) (I)285.32(b)(1)(E) (i)285.32(b)(1) (D)285.32(b)(1)(C) (ii)285.32(b)(1)(C) (i)285.32(b)(1) (B)285.32(b)(1) (A)285.32(b)(1)(E)(iv)				
9	ALL TANKS Installed on 4" Sand Cushion/ Proper Backfill Used		285.32(b)(1)(F) 285.32(b)(1)(G) 285.34(b)				
10	SEPTIC TANK Inspection / Clean Out Port & Risers Provided on Tanks Buried Greater than 12" Sealed and Capped		285.38(d)				
11	SEPTIC TANK Secondary restraint system provided SEPTIC TANK Riser permanently fastened to lid or cast into tank SEPTIC TANK Riser cap protected against unauthorized intrusions		285.38(d) 285.38(e)				
12	SEPTIC TANK Tank Volume Installed						
13	PUMP TANK Volume Installed						
14	AEROBIC TREATMENT UNIT Size Installed						
15	AEROBIC TREATMENT UNIT Manufacturer AEROBIC TREATMENT UNIT Model Number						
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)(4) 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.		285.32(c)(1)				
34	AEROBIC TREATMENT UNIT Inspection/Clean Out Port & Risers Provided AEROBIC TREATMENT UNIT Secondary restraint system provided AEROBIC TREATMENT UNIT Riser permanently fastened to lid or cast into tank AEROBIC TREATMENT UNIT Riser cap protected against unauthorized intrusions						
35	AEROBIC TREATMENT UNIT Chlorinator Properly Installed with Chlorine Tablets in Place.						
36	PUMP TANK Is the Pump Tank an approved concrete tank or other acceptable materials & construction PUMP TANK Sampling Port Provided in the Treated Effluent Line PUMP TANK Check Valve and/or Anti- Siphon Device Present When Required PUMP TANK Audible and Visual High Water Alarm Installed on Separate Circuit From Pump						
37	PUMP TANK Inspection/Clean Out Port & Risers Provided PUMP TANK Secondary restraint system provided PUMP TANK Riser permanently fastened to lid or cast into tank PUMP TANK Riser cap protected against unauthorized intrusions						
38	PUMP TANK Secondary restraint system provided						
39	PUMP TANK Electrical Connections in Approved Junction Boxes / Wiring Buried						

**Comal County Environmental Health
OSSF Inspection Sheet**

No.	Description	Answer	Citations	Notes	1st Insp.	2nd Insp.	3rd Insp.
40	APPLICATION AREA Distribution Pipe, Fitting, Sprinkler Heads & Valve Covers Color Coded Purple?		285.33(d)(2)(G)(iii)(II) 285.33(d)(2)(G)(iii)(III) 285.33(d)(2)(G)(v) 285.33(d)(2)(G)(iii) 285.33(d)(2)(G)(iv) 285.33(d)(2)(G)(i) 285.33(d)(2)(G)(ii) 285.33(d)(2)(G)(iii)(I)				
41	APPLICATION AREA Low Angle Nozzles Used / Pressure is as required APPLICATION AREA Acceptable Area, nothing within 10 ft of sprinkler heads? APPLICATION AREA The Landscape Plan is as Designed		285.33(d)(2)(G) (i)285.33(d)(2) (A)285.33(d)(2)(F)				
42	APPLICATION AREA Area Installed						
43	PUMP TANK Meets Minimum Reserve Capacity Requirements						
44	PUMP TANK Material Type & Manufacturer						
45	PUMP TANK Type/Size of Pump Installed						



COMAL COUNTY

ENGINEER'S OFFICE

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

Permit Number: 115692
Issued This Date: 01/24/2023
This permit is hereby given to: Dry Creek Custom Homes, LLC

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

884 MARLYS AVE
CANYON LAKE, TX 78133

Subdivision: Rocky Creek Ranch
Unit: 14
Lot: 474
Block: N/A
Acreage: 0.5000

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.

RECEIVED

By Kathy Griffin at 8:39 am, Jan 12, 2023



COMAL COUNTY

ENGINEER'S OFFICE

OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded items

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Date Received

Initials

115692

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

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

Signature of Applicant

Date

___ COMPLETE APPLICATION Check No. _____ Receipt No. _____

INCOMPLETE APPLICATION _____ (Missing Items Circled, Application Refused)
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ON-SITE SEWAGE FACILITY APPLICATION

Date 11/29/2022

Permit Number 115692

1. APPLICANT / AGENT INFORMATION

Owner Name Dry Creek Custom Homes, LLC
Mailing Address 2046 Hwy. 473
City, State, Zip Kendalia, Texas 78027
Phone # 830-446-9163
Email dlessner@gvvc.com

Agent Name John J. Haag, P.E.
Agent Address 15831 Secret Trails
City, State, Zip San Antonio, Tx. 78247
Phone # 210-705-4268
Email jhaag@satx.rr.com

2. LOCATION

Subdivision Name Rocky Creek Ranch Unit 14 Lot 474 Block _____
Survey Name / Abstract Number _____ Acreage 0.557 0.50 1814
Address 884 Marlys City Canyon Lake State Tx. Zip 78133

3. TYPE OF DEVELOPMENT

Single Family Residential

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

Number of Bedrooms 3

Indicate Sq Ft of Living Area 1871

Non-Single Family Residential

(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: \$ 350000 (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

4. SIGNATURE OF OWNER

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. I certify that I am the property owner or I possess the appropriate land rights necessary to make the permitted improvements on said property.
- 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.

[Signature]
Signature of Owner

1-10-23
Date



ON-SITE SEWAGE FACILITY APPLICATION

Planning Materials & Site Evaluation as Required Completed By John J. Haag, P.E.

System Description Proprietary aerobic surface disposal

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

Tank Size(s) (Gallons) 600 gpd min. Absorption/Application Area (Sq Ft) 3750 min

Gallons Per Day (As Per TCEQ Table III) 240

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

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

01/12/2023
Date

1
CS

THE COUNTY OF COMAL



202306001131 01/10/2023 02:41:43 PM 1/1

STATE OF TEXAS

CERTIFICATION OF OSSF REQUIRING MAINTENANCE

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

I

The Texas Health and Safety Code, Chapter 366 authorizes the TCEQ to regulate on-site sewage facilities (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 TCEQ 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:

Legal Description: Lot 474, Rocky Creek Ranch, Phase 14

This property is owned by: Dry Creek Custom Homes, LLC

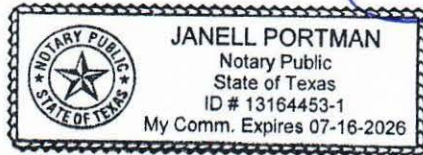
This OSSF must be covered by a continuous maintenance contract for the first two years. After the initial two-year service policy, the owner of an aerobic system for a single-family residence shall either obtain a maintenance contract within 30 days or maintain the system personally.

The owner will, upon any sale or transfer of the above-described property, request a transfer of the permit for the OSSF to the buyer or new owner. A copy of the planning materials for the OSSF can be obtained from Comal County.

WITNESS BY HAND(S) ON THIS 10 DAY OF January, 2023.

David Esser (Dry Creek Custom Homes, LLC)

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 10 DAY OF January, 2023.



Notary Public, State of Texas

Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
01/10/2023 02:41:43 PM
TERRI 1 Page(s)
202306001131



WASTEWATER TREATMENT FACILITY MONITORING AGREEMENT

Lonestar Aerobic Services, LLC
PO Box 228
Boerne, TX 78006
Off. (830)443-4559
Fax (210)579-6073
Website www.lonestaras.com
E-Mail wadeccloud@lonestaras.com
Installer Layne Pittmann (OS26228)

Customer Dry Creek Custom Homes, LLC
Site Address 884 Marlys
City Canyon Lake Zip 78133 Gate #
Mailing Address 2046 Hwy. 473
City Kendallia Zip 78027
Day Phone 830-446-9163
Home Phone 830-446-9163
Emergency Phone 830-446-9163

- I. General: This Work for Hire Agreement (hereinafter referred to as "Agreement") is entered into by and between Dry Creek Custom Homes, LLC (hereinafter referred to as "Customer") and Lonestar Aerobic Services, LLC. By this agreement, Lonestar Aerobic Services, LLC and its employees (hereinafter inclusively referred to as "Contractor") agree to render services at the site address stated above, as described herein, and the Customer agrees to fulfill his/her/their responsibilities, as described herein. The designed flow rate for this system is a maximum of 240 gallons per day.
II. Effective Dates: This agreement commences on LTO and ends on for a total of two (2) years (initial agreement) or one (1) year (there after). If this is an initial agreement (new installation), the Customer will notify the Contractor within two (2) business days of the system's first use to establish the date of commencement. If no notification is received by Contractor within ninety (90) days after completion of installation or where county authority mandates, the date of commencement will be the date the "License to Operate" (Notice of Approval) was issued by the permitting authority. This agreement may or may not commence at the same time as any warranty period of installed equipment, but in no case shall it extend the specified warranty.
III. Renewal: This Agreement shall automatically renew each year at the same terms, conditions, and costs, unless either party gives notice of termination a minimum of thirty (30) days prior to end of first agreement period. See Section IV.
IV. Termination of Agreement: This Agreement may be terminated by either party with thirty (30) days written notice for any reason, including for example, substantial failure to perform in accordance with its terms, without fault or liability of the terminating party. If this Agreement is so terminated, Contractor will be paid at the rate of \$75 per hour for any work performed and for which compensation has not been received. After the deduction of all outstanding charges, any remaining monies from prepayment for services will be refunded to customer within thirty (30) days. Either party terminating this agreement for any reason, including non-renewal, shall notify in writing the equipment manufacturer and the appropriate regulatory agency a minimum of thirty (30) days prior to the date of such termination. Nonpayment of any kind shall be considered breach of contract and a termination of contract.
V. Services: Contractor will;
A. Inspect and perform routine upkeep on the On-Site Sewage Facility (hereinafter referred to as OSSF) as recommended by the treatment system manufacturer, and required by state and/or local regulations, for a total of three visits to site per year.
B. Provide a written record of visits to the site by means of an inspection tag attached to or contained in the control panel.
C. Repair or replace, if Contractor has necessary materials at site, any component of the OSSF found to be failing or inoperative during the course of a routine monitoring visit. If such services are not covered by warranty, and service costs are \$100.00 or less, Customer hereby authorizes Contractor to perform the service and bill Customer for said service. When service costs are greater than \$100.00, or if Contractor does not have necessary supplies at the site, Contractor will notify Customer of required services (and associated costs). Customer must notify Contractor of arrangements to effect repair of system within two (2) business days after said notification.
D. Provide sample collection and laboratory testing of TSS and BOD on a yearly basis (commercial systems only).
E. Forward copies of this Agreement and all reports to the regulatory agency and the customer.
F. Visit site in response to Customer's request for unscheduled service within forty-eight (48) hours of the date of notification (weekends and holidays excluded) of said request. Unless otherwise covered by warranty, costs for such unscheduled responses will be billed to Customer.
VI. Disinfection: Not Required. Required. The responsibility to maintain the disinfection device(s) and provide any necessary chemicals is that of the Customer.
VII. Electronic Monitoring is not included in this Agreement.
VIII. Performance of Agreement: Commencement of performance by Contractor under this agreement is contingent on the following conditions:
A. If this is an initial agreement (new installation);
1. Contractor's receipt of a fully executed original copy or facsimile of this agreement and all documentation requested by Contractor.
2. Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in Section XIV of this Agreement.
B. If this is not an initial agreement (existing system);
1. Contractor's receipt of a fully executed original copy of this agreement and all documentation requested by Contractor.
2. Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in Section XIV of this Agreement.
C. If the above conditions are not met, Contractor is not obligated to perform any portion of this agreement.
IX. Customer's Responsibilities: The Customer is responsible for each and all of the following:
A. Provide all necessary yard or lawn maintenance and the removal of all obstacles, including but not limited to dogs and other animals, vehicles, trees, brush, trash, or debris, as needed to allow the OSSF to function properly, and to allow Contractor safe and easy access to all parts of the OSSF.
B. Protect equipment from physical damage including but not limited to that damage caused by insects.
C. Maintain a current license to operate, and abide by the conditions and limitations of that license, and all requirements for an on-site sewage facility (OSSF) from the State and/or local regulatory agency, whichever are more stringent, as well as proprietary system's manufacturer recommendations.
D. Notify Contractor immediately of any and all alarms, and/or any and all problems with, including failure of, the OSSF.
E. Provide, upon request by Contractor, water usage records for evaluation by Contractor as to the performance of the OSSF.
F. Allow for samples at both the inlet and outlet of the OSSF to be obtained by Contractor for the purpose of evaluating the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section V, sub-section D, above, Customer agrees to pay Contractor for sample collection and transportation, portal to portal, at a rate of \$35 per hour, plus the associated fees for laboratory testing.
G. Prevent the backwash or flushing of water treatment or conditioning equipment from entering the OSSF.
H. Prevent the condensate from air conditioning or refrigeration units, or the drains of icemakers, from hydraulically overloading the aerobic treatment units. Drain lines may discharge into the surface application pump tank if approved by system designer.
I. Provide for pumping and cleaning of tanks and treatment units, when and as recommended by Contractor, at Customer's expense.
J. Maintain site drainage to prevent adverse effects on the OSSF.
K. Pay promptly and fully, all Contractor's fees, bills, or invoices as described herein.
X. Access by Contractor: Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the Services and/or repairs described herein. Contractor shall have access to the OSSF electrical and physical components. Tanks and treatment units shall be accessible by means of man ways, or risers and removable covers, for the purpose of evaluation as required by State and/or local rules and the proprietary system manufacturer. If not an initial agreement (new installation) and this access is not in place or provided for by the customer, the costs for the labor of excavation, and possibly other labor and materials costs, will be required. These costs shall be billed to Customer as an additional service at a rate of \$35 per hour, plus materials at list price. Excavated soil shall be replaced as best as Contractor can at the time such service is performed and under no circumstances is Contractor responsible for damages to sod, grass, roots, landscaping, or any unmarked underground items (telephone, television, or electric cables, water, air, or gas lines, etc.), or for the uneven settling of the soil.
XI. Limit of Liability: Contractor shall not be held liable for any incidental, consequential, or special damages, or for economic loss due to expense, or for loss of profits or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable in an amount exceeding the total Fee for Services amount paid by Customer under this Agreement.
XII. Severability: If any provision of this "Proposal and Contract" shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of 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.
XIII. Fee for Services: The fee does not include any equipment, materials, or labor necessary for non-warranty repairs or for unscheduled, Customer requested visits to the site.
XIV. Payment: Full amount due upon signature (Required of new Customer). Payment of invoice(s) for any other service or repair provided by contractor is due upon receipt of invoice. Invoices are mailed on the date of invoice. All payments not received within thirty (30) days from the invoice date will be subject to a \$29.00 late penalty and a 1.5% per month carrying charge, as well as any reasonable attorney's fees, and all collection and court costs incurred by Contractor in collection of unpaid debt(s). Contractor may terminate contract at any time for nonpayment for services. Any check returned to Contractor for any reason will be assessed a \$30.00 returned check fee.
XV. Application or Transfer of payment: The fees paid for this agreement may transfer to the subsequent property owner(s); however this agreement is not transferable. Customer will advise subsequent property owner(s) of the state requirement that they sign a replacement agreement authorizing Contractor to perform the herein described Services, and accepting Customer's Responsibilities. This replacement Agreement must be signed and received in Contractor's offices within ten (10) business days of date of transfer of property ownership. Contractor will apply all funds received from Customer first to any past due obligations arising from this Agreement including late fees or penalties, returned check fees, and/or charges for services or repairs not paid within thirty (30) days of invoice date. Any remaining monies shall be applied to the funding of the replacement Agreement. The consumption of funds in this manner may cause a reduction in the termination date of effective coverage per this agreement. See Section IV.
XVI. Entire Agreement: This agreement contains the entire agreement of the parties, and there are no other promises or conditions in any other agreement, oral or written.

Wade A Cloud Date Texas Installer II MP0000406 Customer Signature Date 1-10-23



HAAG ENGINEERING CONSULTANTS

15831 Secret Trails • San Antonio, Texas 78247 • Tel: (210) 705-4268 • Email: jhaag@satx.rr.com

January 12, 2023

Ms. Brenda Ritzen
Comal County Office of Environmental Health
195 David Jonas Drive
New Braunfels, Texas 78132-3760

RE: Septic Setback Variance Request
Lot 474, Rocky Creek Ranch, Phase 14

Dear Brenda:

Due to the lack of available spray application area, it is necessary to have the setback from the property line to the edge of spray area at ten feet as required by TCEQ Chapter 385 rules Table X. I hereby request a variance to the twenty foot setback to the property line(s) as required by Comal County Order and an equivalent protection will be maintained by adding a battery backup to the timer clock to ensure sprayers only spray during the pre-dawn hours. In my professional opinion, this variance will not pose a threat to the environment or public health.

Sincerely,



01/12/2023

Haag Engineering Consultants, LLC
Firm No.: F-5789

ON-SITE SEWAGE FACILITY (OSSF) SITE EVALUATION FORM

1. OWNER INFORMATION	
Property Owner's Full Legal Name: Dry Creek Custom Homes, LLC	

2. PROPERTY INFORMATION				
City: Canyon Lake			Zip Code: 78133	
Legal Description:				
Lot: 474	Block:	Subdivision: Rocky Creek Ranch	Sec:	Phase: 14
If not located in subdivision: Survey:				
Abstract:			Recorded (Vol/Pg):	

3. SITE EVALUATION INFORMATION:	
Name of Site Evaluator: John J. Haag	PE #: 90158
Date Performed: 11/30/2022	Proposed Excavation Depth: Surface

4. REQUIREMENTS:

- At least two soil evaluations must be performed on the site at opposite ends of the proposed disposal area. Locations of soil evaluations must be shown on the application site drawing or designer's site drawing.
- For subsurface disposal, soil evaluations must be performed to a depth of at least 2 feet below the proposed excavation depth. For surface disposal, the surface horizon must be evaluated.

Soil Profile Hole Number: 1					
Depth (ft.)	Textural Class	Gravel Analysis	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
0	III	<30%	No	Yes	Type III to 12" then limestone
1					
2					
3					
4					
5					

ON-SITE SEWAGE FACILITY (OSSF) SITE EVALUATION FORM

Soil Profile Hole Number: 2					
Depth (ft.)	Textural Class	Gravel Analysis	Drainage (Mottles/Water Table)	Restrictive Horizon	Observations
0	III	<30%	No	Yes	Type III to 8" then limestone
1					
2					
3					
4					
5					

5. FEATURES OF SITE AREA:

- | | |
|---|---|
| Presence of 100 year flood zone: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Presence of adjacent ponds, streams or water impoundments | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Existing or proposed water well in nearby area | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Organized sewage available to lot or tract | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Recharge features within 150 feet | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (None observed) |

6. I certify that the above statements are true and correct and are based on my own field observations.



J. J. Haag, P.E.

11/30/2022

Haag Engineering Consultants, LLC
Firm: F-5789

Aerobic With Surface Disposal

by Felix I. Bernal, P.E. (c) 2002 - 2013

SITE EVALUATION PERFORMED ON: 30-Nov-22 by John J. Haag, P.E.



Date: 01/12/23
 APPLICANT: Dry Creek Custom Homes, LLC
 MAILING ADDRESS:
 CITY, ST, ZIP
 CONTRACTOR
 SITE ADDRESS: 884 Marlys
 CITY, ST, ZIP Canyon Lake, Tx. 78133
 LEGAL DESCRIPTION: Lot 474, Rocky Creek Ranch, Ph. 14
 WATER SOURCE: Public

SOIL TYPE 3 AT SLOPE OF <15% BEDROOMS 3 Sq. Ft. 1871
 Normally Required 300 GPD 300 GPD

WATER SAVING DEVICES? Y
 APPLICATION RATE = 0.064 GALLONS PER SQ. FT. PER DAY
 USAGE FLOW = 240 GALLONS PER DAY WHICH IS 80% OF 300 GPD
 SEPTIC TANK VOLUME = 750 GALLONS TWO COMPARTMENT TANK REQUIRED
 RESERVE CAPACITY = 80 (8 HOURS USAGE AFTER HIGH LEVEL ALARM)

AREA REQUIRED = 3,750 SQ. FT. OF ABSORPTION AREA OR 0.09 ACRES
WITHOUT WATER SAVING DEVICES 4,688 SQ. FT. OF ABSORPTION AREA OR 0.11 ACRES

Use a 600 GPD Treatment Plant Model B-550 by NuWATER
 Nozzle # PSI (K-Rain ProPlus Low Angle Sprinkler Nozzle)
 3 30 PSI WITH A 29 FOOT RADIUS AND 3.0
 GPM/ SPRINKLER WITH A TOTAL OF 6.0 GPM FOR THE SYSTEM

AREA COVERED BY PROPOSED SPRINKLER HEADS

LINEAR FEET OF DISTRIBUTION = 102.0 FT. OF 1 INCH SCH-40 PURPLE PIPE 150 C (HAZEN-WILLIAMS)
 SPACE BETWEEN SPRINKLER HEADS = 20 FT

2 SPRINKLERS FOR A DOSE TIME OF 40 MINUTES
 WITH ANGLE OF DISTRIBUTION = 360 AREA PER SPRINKLER = 2,642 sf

OF ABSORPTION AREA

SPRINKLERS	LENGTH OF PIPE	Dist. Angle	Flow GPM	Q GPM	Hf ft of head	Area
2	82 FT	360	3	6.000	2.19	2642.0
1	20 FT	360	3	3.000	0.15	2642.0
0			0	0.000	0.00	0.0
0			0	0.000	0.00	0.0
0			0	0.000	0.00	0.0
0			0	0.000	0.00	0.0
0			0	0.000	0.00	0.0
0			0	0.000	0.00	0.0
0			0	0.000	0.00	0.0
0			0	0.000	0.00	0.0
0			0	0.000	0.00	0.0

SUM= 102 feet of pipe 6.000 2.34 ft of head 5284.0 sf Provided

fittings factor 1.20 2.80 ft of head

Hf for Dist Line 2.7228574 ft of head

(Note: 0.4335= 62.424/144 for water at 39.2°F)

30.00 psi divided by 0.4335 = 69.20 ft of head

elevation difference 7.00 ft of head

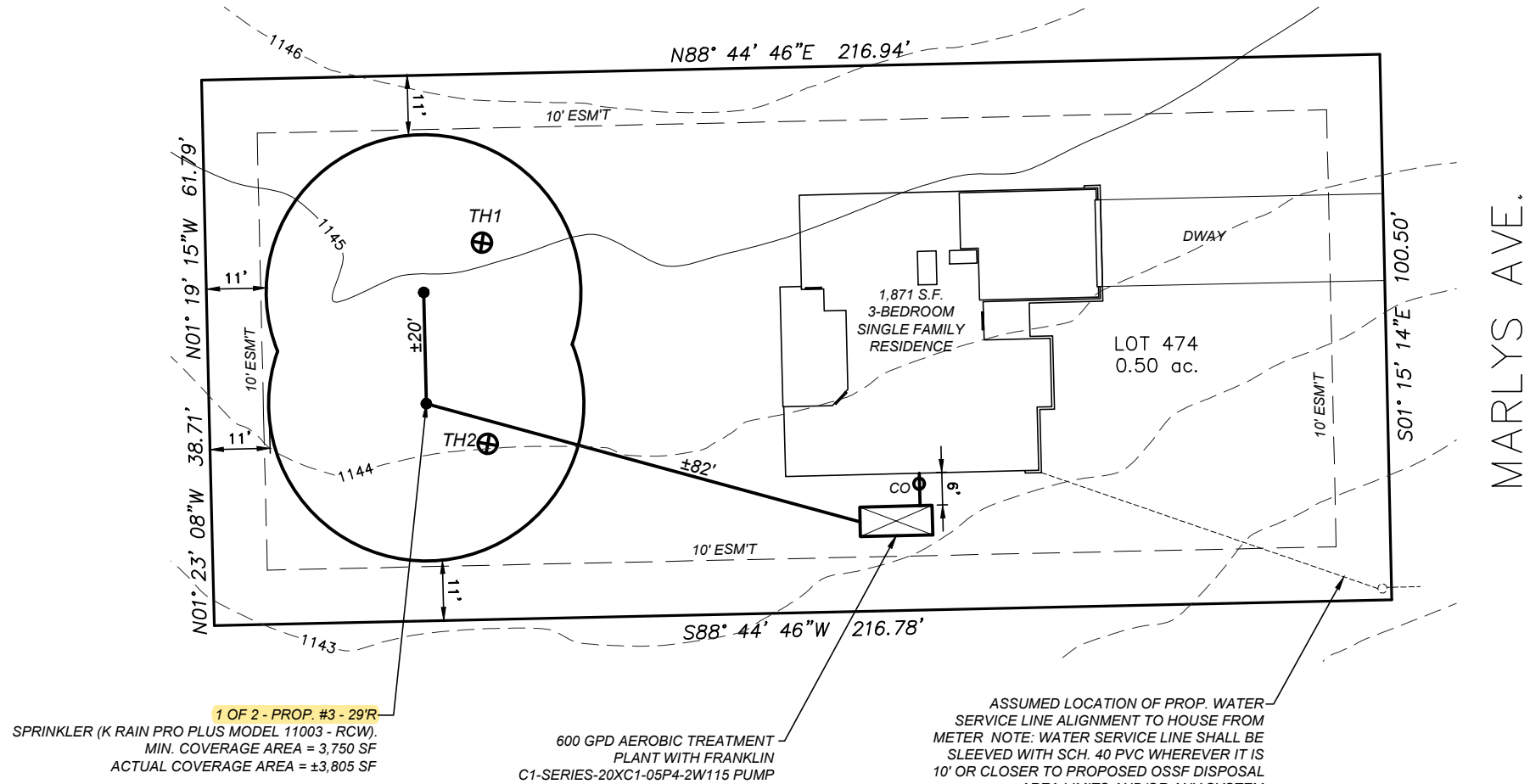
head required for sprinkling 81.73 ft of head

pressure required for sprinkling 35.43 psi

3805 SF ACTUAL

GENERAL NOTES:

1. NO VEHICULAR TRAFFIC IS ALLOWED ON ANY PORTION OF THE DISPOSAL SYSTEM, UNLESS THE DESIGN SPECIFIES OTHERWISE.
2. PIPE ALIGNMENT TO THE DISPOSAL BEDS MAY BE ALTERED AS REQUIRED. ANY CHANGE FROM THE PLANS MUST BE APPROVED BY THE ENGINEER AND THE APPROPRIATE GOVERNMENTAL AGENCY(IES).
3. CONTRACTOR SHALL PROTECT TREES WHICH ARE NOT IN THE EXCAVATED CONSTRUCTION AREAS. CONTRACTOR SHALL MINIMIZE ROOT DAMAGE AND REASONABLY ADHERE TO THE DESIGN.
4. **CONTRACTOR IS RESPONSIBLE FOR VERIFYING A MINIMUM OF 1/4" PER FOOT OF FALL FROM THE BUILDING TO THE SEPTIC TANK.**
5. NO AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED OVER THE DISPOSAL AREAS. ANY WATERING IN THESE AREAS SHALL BE DONE BY HAND AND ONLY WHEN REQUIRED TO MAINTAIN GRASS COVER.
6. ALL CONSTRUCTION SHALL CONFORM TO THE RULES AND REGULATIONS OF THE APPROPRIATE AUTHORITY - TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) AND ANY APPLICABLE LOCAL BUILDING AND SAFETY CODES.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY THE CONSTRUCTION OF THIS SYSTEM.
8. SPRAY APPLICATION AREAS SHALL BE COVERED WITH PERENNIAL GRASSES TO TAKE ADVANTAGE OF TRANSPIRATION. IF GRASSES ARE USED WHICH HAVE DORMANT PERIODS, STEPS SHOULD BE TAKEN TO PROVIDE SOME TYPE OF VEGETATION ON THE BEDS DURING THESE PERIODS.
- 8.1. RECOMMENDED COVERAGE:
 - 8.1.1. BERMUDA: 1 LB/1000 S.F.
 - 8.1.2. RYE: 10 LB/1000 S.F.
 - 8.1.3. OR ST. AUGUSTINE SOD.
9. SPRAY APPLICATION AREAS MUST BE MOWED AT REGULAR INTERVALS. FAILURE TO PROPERLY MAINTAIN VEGETATIVE COVER MAY RESULT IN SYSTEM FAILURE AND SHALL BE THE RESPONSIBILITY OF THE OWNER.
10. ALL PIPES SHALL BE SCHEDULE 40 PVC OR APPROVED EQUAL, UNLESS NOTED OTHERWISE. ALL JOINTS SHALL BE CLEANED WITH THE APPROPRIATE SOLVENT AND GLUED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.
11. ALL POTABLE WATER LINES SHALL BE A MINIMUM OF 10 FEET FROM ANY DISPOSAL SYSTEM OR SEWERAGE PIPE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF WATER LINES LESS THAN 10 FEET FROM THE DISPOSAL AREA.
12. HIGH WATER ALARM SHALL BE LOCATED IN A NOTICEABLE LOCATION. THE ALARM SHALL BE A VISUAL AND AUDIBLE ALARM AND WIRED ON A SEPARATE CIRCUIT FROM THE PUMPS. ALL EXTERIOR CONTROLS AND CONNECTIONS SHALL BE ENCLOSED IN A WEATHER-PROOF HOUSING. ELECTRICAL CONSTRUCTION SHALL COMPLY WITH ALL LOCAL ELECTRICAL AND BUILDING CODES.
13. NO EXCAVATION IS PERMITTED NEAR THE DISPOSAL AREAS THAT WILL RESULT IN THE NONCOMPLIANCE OF APPLICABLE SETBACKS STATED IN THE RULES AND REGULATIONS OF THE APPROPRIATE AUTHORITY.
14. ONLY GOOD QUALITY SANDY LOAM SHALL BE APPLIED OVER THE DISPOSAL AREAS. CLAY LOAM IS UNACCEPTABLE AND WILL CAUSE SYSTEM FAILURE. SANDY LOAM SHALL BE DEFINED AS SHOWN IN TABLE VI (USDA SOIL TEXTURAL CLASSIFICATIONS) OF THE RULES AND REGULATIONS OF THE TCEQ. THE INSTALLER IS RESPONSIBLE FOR VERIFYING THE QUALITY OF EACH LOAD OF LOAM PLACED ON THE SYSTEM.
15. STORM WATER (RAINFALL RUNOFF) SHOULD NOT BE ALLOWED TO FLOW OVER THE DISPOSAL FIELDS OR THE TANKS. DIVERSION BERMS, SWALES AND/OR RAIN GUTTERS SHOULD BE INSTALLED AS NECESSARY TO PREVENT SUCH RUNOFF.
16. THE CONTRACTOR IS RESPONSIBLE FOR STAKING AND VERIFYING THE GRADES PRIOR TO EXCAVATION. ANY DISCREPANCIES OF MORE THAN 6 INCHES SHALL BE REPORTED TO THE ENGINEER PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOT DEVIATE FROM THESE PLANS WITHOUT THE WRITTEN CONSENT OF THE APPROPRIATE AUTHORITY AND THE ENGINEER.
17. CONTRACTOR SHALL REPORT TO THE ENGINEER ANY ELEVATION DIFFERENCES GREATER THAN 4 FEET BETWEEN THE HIGHEST AND LOWEST TRENCH IN THE FIELD. THIS SHOULD BE CHECKED PRIOR TO INSTALLING THE LATERALS AND MANIFOLD.
18. THIS DISPOSAL SYSTEM HAS BEEN DESIGNED TO OPERATE PROPERLY AT SPECIFICATIONS NOTED IN THESE PLANS. ALTERATIONS TO THE SYSTEM BY THE OWNER, INCLUDING BUT NOT LIMITED TO LANDSCAPING, DRAINAGE, BUILDING AND/OR WATER USAGE, MAY CAUSE PREMATURE FAILURE AND SHALL BE THE SOLE RESPONSIBILITY OF THE OWNER.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PLUMBING FIXTURES ARE CONNECTED TO THE DESIGNATED SEPTIC TANK(S). LOW FLOW TOILETS (1.6 GAL), SHOWERHEADS AND FAUCETS SHALL BE USED IN THE STRUCTURES.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR JOBSITE SAFETY AND PROTECTION OF THE PUBLIC FROM INJURY DURING CONSTRUCTION. THE OWNER SHALL BE RESPONSIBLE FOR THE PREVENTION OF PERSONAL INJURY TO ANYONE ON OR NEAR THE DISPOSAL SYSTEM.
21. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL TANKS HAVE ADEQUATE STRENGTH AND INTEGRITY TO PERFORM SATISFACTORILY AS SHOWN ON THESE PLANS.
22. THE WASTEWATER FLOW TO THE SEPTIC SYSTEM SHALL NOT EXCEED THE DESIGN FLOW SHOWN ON THIS PLAN.



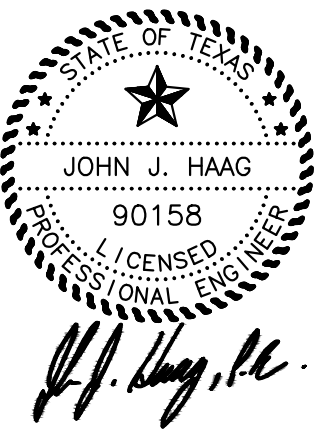
1 OF 2 - PROP. #3 - 29'R
 SPRINKLER (K RAIN PRO PLUS MODEL 11003 - RCW).
 MIN. COVERAGE AREA = 3,750 SF
 ACTUAL COVERAGE AREA = ±3,805 SF

600 GPD AEROBIC TREATMENT
 PLANT WITH FRANKLIN
 C1-SERIES-20XC1-05P4-2W115 PUMP

ASSUMED LOCATION OF PROP. WATER
 SERVICE LINE ALIGNMENT TO HOUSE FROM
 METER NOTE: WATER SERVICE LINE SHALL BE
 SLEEVED WITH SCH. 40 PVC WHEREVER IT IS
 10' OR CLOSER TO PROPOSED OSSF DISPOSAL
 AREA LIMITS AND/OR ANY SYSTEM
 COMPONENT(S). EXTEND PVC SLEEVING 10'
 MIN. BEYOND EACH SIDE OF OSSF DISPOSAL
 AREA LIMITS AND/OR SYSTEM COMPONENTS.

- ADD'L. NOTES:
1. SPRINKLER OPERATION SHALL BE TIMED TO DOSE BETWEEN MIDNIGHT AND 5:00 a.m.
 2. DESIGN DAILY WASTEWATER FLOW = 240 GPD (WATER SAVING DEVICES WERE ASSUMED FOR SEPTIC SYSTEM DESIGN).
 3. **A BATTERY BACKUP TO THE TIMER CLOCK SHALL BE INSTALLED TO ENSURE DOSING ONLY OCCURS BETWEEN MIDNIGHT AND 5:00 a.m.**
 4. TOPOGRAPHIC DATA SOURCE: FEMA 2011 DATA.
 5. PROPERTY LINE BEARINGS AND DISTANCES SOURCE: PLAT

1" = 30'



01/12/23

NOTE: OSSF IS NOT WITHIN THE EDWARDS AQUIFER RECHARGE ZONE OR FEMA 100 YEAR FLOODPLAIN.
 SITE EVALUATION BY JOHN J. HAAG, P.E. ON 11/30/2022

DRAWN BY: JJH
 CHECKED BY: JJH
 DATE: 01/12/23
 JOB NO. ESSER22003

SHEET 1 OF 1

HAAG ENGINEERING CONSULTANTS

15831 SECRET TRAILS
 SAN ANTONIO, TEXAS 78247
 FIRM: F-5789

TEL: (210) 705-4268

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**OSSF LAYOUT
 LOT 474, MARLYS
 ROCKY CREEK RANCH, PHASE 14
 CANYON LAKE, TEXAS**

Assembly Details

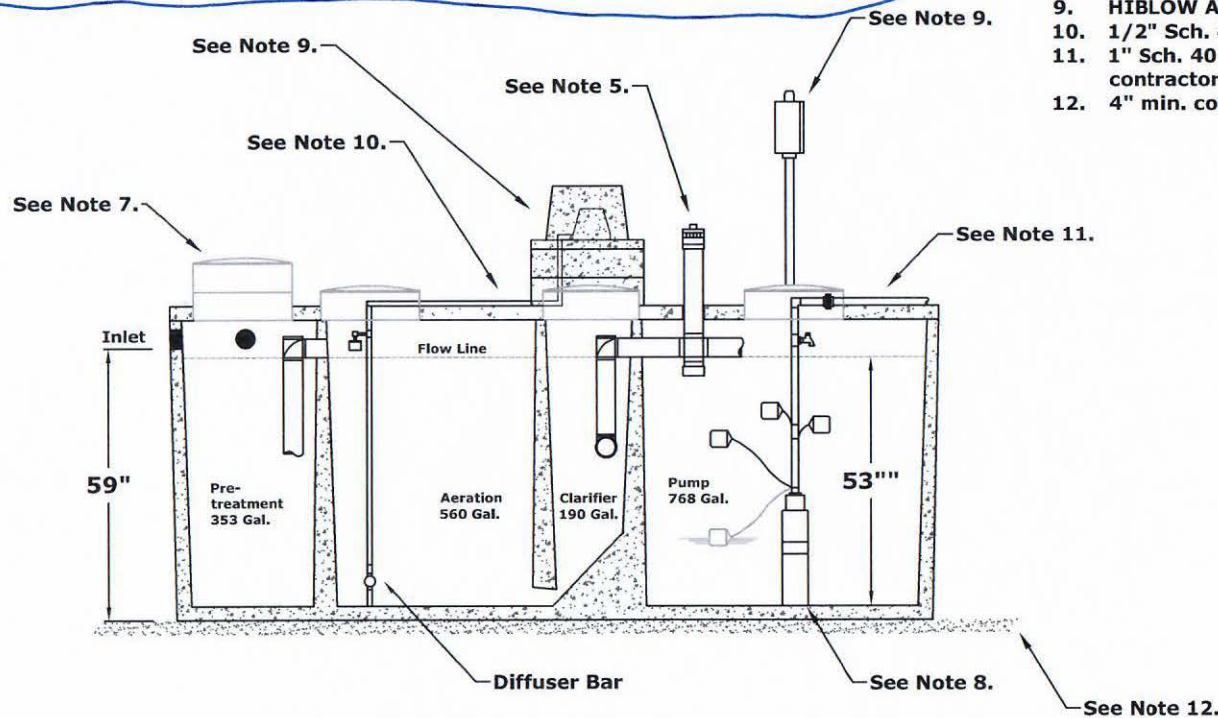
OSSF

Pump float settings for 240 gpd design flow and min. 80 gal reserve:
 Pump off position: 12 inches above tank bottom (166.90 gal)
 Pump on position: 29 inches above tank bottom (409.90 gal)
 Alarm on position: 36 inches above tank bottom (512.22 gal)
 254.04 gal reserve capacity at approx. 53 inches above tank bottom



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



DIMENSIONS:

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 LLC
 444 A Old Hwy No 9
 Comfort, TX 78013
 830-995-3189
 fax 830-995-4051

C1 SERIES

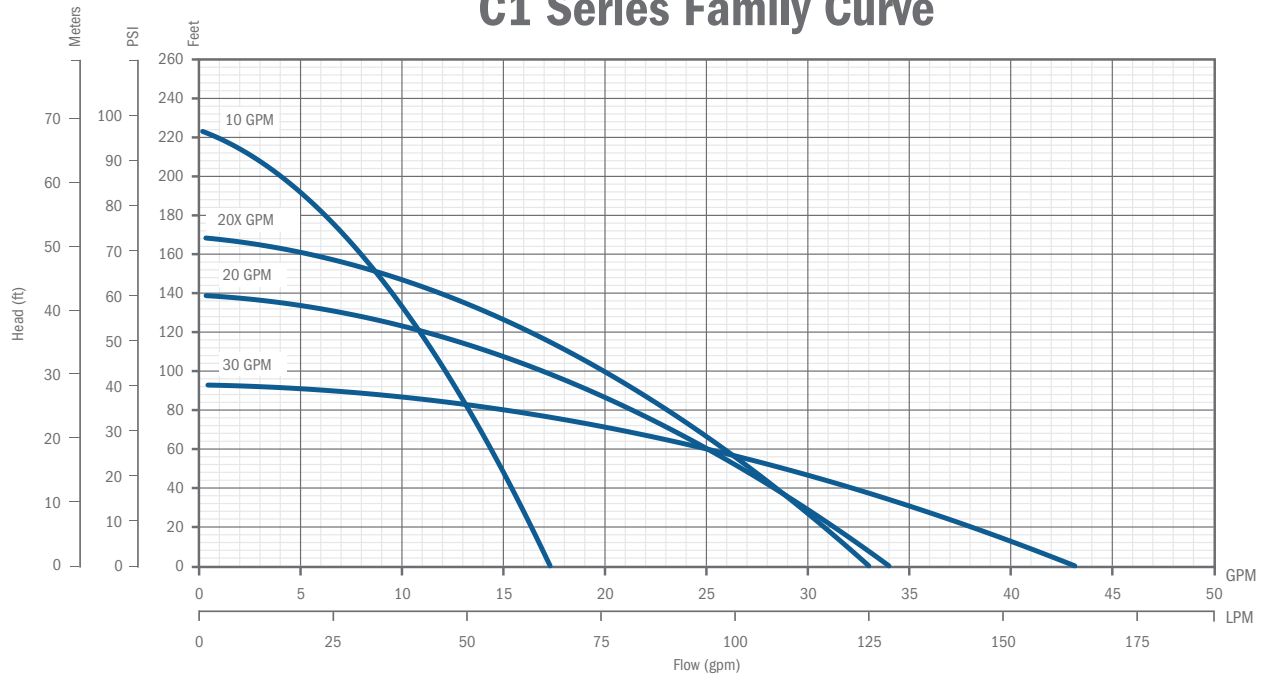
CISTERN PUMPS

Designed for use in gray water / filtered effluent service applications, the C1 Series cistern pump provides high performance and long life in less than ideal water conditions. The C1 Series pump is able to pass solids up to 1/8" without having a negative effect on the internal hydraulic components.

The pump's unique bottom suction design allows for maximum fluid drawdown without compromising durability or overall life, and it does not require the use of a flow induction sleeve. Intended specifically for use in a cistern or tank, C1 Series pumps are suitable for use in agricultural, residential, and commercial installations.



C1 Series Family Curve



FEATURES

- Supplied with a removable 5" base for secure and reliable mounting
- Bottom suction design
- Robust thermoplastic discharge head design resists breakage during installation and operation
- Single shell housing design provides a compact unit while ensuring cool and quiet operation
- Hydraulic components molded from high quality engineered thermoplastics
- Optimized hydraulic design allows for increased performance and decreased power usage
- All metal components are made of high grade stainless steel for corrosion resistance
- Available with a high quality 115 V or 230 V, 1/2 hp motor
- Fluid flows of 10, 20, and 30 gpm, with a max shut-off pressure of over 100 psi
- Heavy duty 600 V 10 foot SJ00W jacketed lead

APPLICATIONS

- Gray water pumping
- Filtered effluent service water pumping
- Water reclamation projects such as pumping from rain catchment basins
- Aeration and other foundation or pond applications
- Agriculture and livestock water pumping

ORDERING INFORMATION

C1 Series Pumps							
GPM	HP	Volts	Stage	Model No.	Order No.	Length (in)	Weight (lbs)
10	1/2	115	7	10C1-05P4-2W115	90301005	26	17
		230	7	10C1-05P4-2W230	90301010	26	17
20		115	5	20C1-05P4-2W115	90302005	25	16
		230	5	20C1-05P4-2W230	90302010	25	16
20X		115	6	20XC1-05P4-2W115	90302015	26	17
		230	6	20XC1-05P4-2W230	90302020	26	17
30		115	4	30C1-05P4-2W115	90303005	25	16
		230	4	30C1-05P4-2W230	90303010	25	16

Note: All units have 10 foot long SJ00W leads.

Independence Title/GF 2240990-P22/LRD

General Warranty Deed

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.

Date: August 26, 2022

Grantor: JOHN ORMSTON and JACKI ORMSTON, husband and wife



Grantor's Mailing Address:

934 Parkdale Drive
New Braunfels, TX 78130

Grantee: DRY CREEK CUSTOM HOMES, LLC

Grantee's Mailing Address:

2046 Hwy 473
Kendalia TX 78027

Consideration:

TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged.

Property (including any improvements):

Lot 474, ROCKY CREEK RANCH, PHASE 14, situated in Comal County, Texas, according to the map or plat thereof, recorded in Volume 11, Pages 299-301, Map and Plat Records, Comal County, Texas.

Reservations from Conveyance: None

Exceptions to Conveyance and Warranty:

1. Restrictive covenants recorded in Volume 11, Pages 299-301, Map and Plat Records, Comal County, Texas; and Document No. 9506477302, Document No. 201206010054, and Document No. 201206022192, Official Public Records, Comal County, Texas.
2. Standby fees, taxes and assessments by any taxing authority for the year 2022, and subsequent years; and subsequent taxes and assessments by any taxing authority for prior years due to change in land usage or ownership, but not those taxes or assessments for prior years because of an exemption granted to

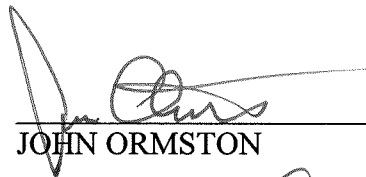
a previous owner of the Property under Section 11.13, Texas Tax Code, or because of improvements not assessed for a previous tax year.

3. All leases, grants, exceptions or reservations of coal, lignite, oil, gas and other minerals, together with all rights, privileges, and immunities relating thereto appearing in the Public Records.
4. Any visible and apparent easement, either public or private, located on or across the Property, the existence of which is not disclosed by the Public Records.
5. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the title that would be disclosed by an accurate and complete land survey of the Property.
6. Building setback lines as set forth on the recorded plat and dedication set out in Volume 11, Pages 299-301, Map and Plat Records, Comal County, Texas.
7. Any and all easements, building lines and conditions, covenants and restrictions as set forth in plat recorded in Volume 11, Pages 299-301, Map and Plat Records, Comal County, Texas.
8. Building setback lines as set forth in instrument recorded in Document No. 9506477302, Official Public Records, Comal County, Texas.
9. Easement as shown on the plat and dedication set out in Volume 11, Pages 299-301, Map and Plat Records, Comal County, Texas:
 - Purpose: Drainage and Utility
 - Location: 10 feet wide along the front, rear, and side property lines
10. Easement:
 - Recorded: Volume 676, Page 899, Deed Records, Comal County, Texas
 - Purpose: Electric
11. Easement:
 - Recorded: Document No. 9506482267, Official Public Records, Comal County, Texas
 - Purpose: Electric
12. Easement:
 - Recorded: Document No. 9506477302, Official Public Records, Comal County, Texas
 - Purpose: Water Line and Utility

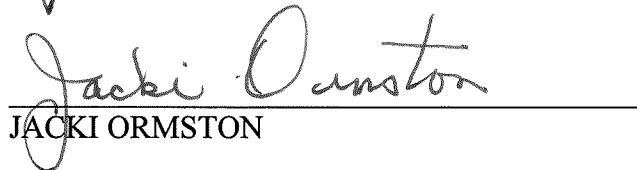
13. Maintenance charges and/or assessments secured by a lien as set out in instrument(s) recorded in Document No. 9506477302, and Document No. 201506051656, Official Public Records, Comal County, Texas, and as amended, supplemented, re-flied or re-stated. Management Certificate recorded in Document No. 202106048175, Official Public Records, Comal County, Texas. (Rocky Creek Maintenance Corporation)
14. Transfer Fee or Charge as set out in Document No. 201206010054 and Document No. 202106048175, Official Public Records, Comal County, Texas.
15. By-Laws found in Document No. 201206010054, Document No. 201306027714, Document No. 201306045075, Document No. 201506051657, and Document No. 201606031563, Official Public Records, Comal County, Texas.
16. Terms, Conditions, and Stipulations in the Management Agreement recorded in Document No. 201706015180, Official Public Records, Comal County, Texas.
17. Notice Regarding Application for Licensing Authority Recommendation for Private Sewerage Facilities recorded in Document No. 9506476954, Official Public Records, Comal County, Texas.

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 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 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.



JOHN ORMSTON



JACKI ORMSTON

STATE OF TEXAS §

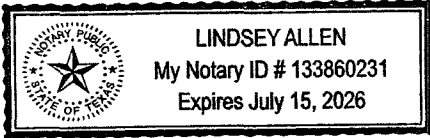
COUNTY OF KENDALL §

This instrument was acknowledged before me on the 26 day of August, 2022, by JOHN ORMSTON and JACKI ORMSTON.



Notary Public, State of Texas

My commission expires: _____



AFTER RECORDING RETURN TO:

Kendall County Abstract Company
103 N. Saunders St.
Boerne, Texas 78006

PREPARED BY:

Sid Lawrence, III
P.O. Box 781606
San Antonio, Texas 78278

**Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
08/30/2022 02:50:38 PM
TERRI 4 Pages(s)
202206039007**



Lonestar Aerobic Services, LLC
PO Box 228
Boerne, TX 78006

Phone: (830) 443-4559

www.lonestaras.com

To: Dry Creek Custom Homes
884 Marlys Ave
Canyon Lake, TX 78133

Printed: 8/10/2023
Site: 884 Marlys Ave
Canyon Lake, TX 78133

Permit #: **115692**
Agency: Comal County Environmental Health
County: Comal
Mfg / Brand: Enviro-Flo Inc. - NuWater B-0550-400PT, 600GPD
Treatment Type: Aerobic With Chlorine
Disposal: Surface Application

Customer ID: 3827
Contract Dates: 4/30/2023 - 4/30/2025
Scheduled Date: 8/31/2023 Inspection 1 of 6
Aerator: Thomas AP-080-110 Installed: 2/15/2023
Warranty End: 2/15/2025

Service Type: Scheduled Inspection
Visit Date: 8/10/2023

This counts as a type of "Scheduled Inspection"
Entered By: Kyle P Borgerding

Technician: Kyle P Borgerding
Maint. Provider: Wade A Cloud

Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational
Chlorine Supply: Operational
Chlorine Residual: 0.1mg/L

Sludge Levels
For Tank 1:
For Tank 2:
For Tank 3:

Chlorinator: Op

Tank Lid / Riser: Secured

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

Alarm: Operational

PSI Pressure: 2.3

Comments

Timer was good. System is in good working order.

Service Completed

Provider: Wade A Cloud
Main. Provider
MP0000406
www.lonestaras.com



Insp ID #: 67406

Lonestar Aerobic Services, LLC
PO Box 228
Boerne, TX 78006

Phone: (830) 443-4559

www.lonestaras.com

To: Dry Creek Custom Homes
884 Marlys Ave
Canyon Lake, TX 78133

Printed:11/28/2023
Site: 884 Marlys Ave
Canyon Lake, TX 78133

Permit #: **115692**

Agency: Comal County Environmental Health

County: Comal

Mfg / Brand: Enviro-Flo Inc. - NuWater B-0550-400PT, 600GPD

Treatment Type: Aerobic With Chlorine System S/N: B59538

Disposal: Surface Application

Customer ID: 3827

Contract Dates: 3/31/2023 - 3/31/2025

Scheduled Date: 11/30/2023

Inspection 2 of 6

Aerator: Thomas AP-080-110

Installed: 2/15/2023

Warranty End: 2/15/2025

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"

Visit Date: 11/28/2023

Entered By: Kyle P Borgerding

Technician: Kyle P Borgerding

Maint. Provider: Wade A Cloud

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Sludge Levels

For Tank 1:

For Tank 2:

For Tank 3:

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

PSI Pressure: 2.2

Comments

Service Completed

Adjusted digital timer. Adjusted sprayfield to not create a mud pit in backyard. Homeowner will call the office with contact information. System is in good working order.

Insp ID #:69193

Provider: Wade A Cloud
Main. Provider
MP0000406

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PO Box 228
Boerne, TX 78006

Phone: (830) 443-4559

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To: Jennifer Boyd
884 Marlys Ave
Canyon Lake, TX 78133

Printed:3/7/2024
Site: 884 Marlys Ave
Canyon Lake, TX 78133

Permit #: **115692**
Agency: Comal County Environmental Health
County: Comal
Mfg / Brand: Enviro-Flo Inc. - NuWater B-0550-400PT, 600GPD
Treatment Type: Aerobic With Chlorine System S/N: B59538
Disposal: Surface Application

Customer ID: 3827
Contract Dates: 3/31/2023 - 3/31/2025
Scheduled Date: 3/31/2024 Inspection 3 of 6
Aerator: Thomas AP-080-110 Installed: 2/15/2023
Warranty End: 2/15/2025

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"

Visit Date: 3/7/2024

Entered By: Kyle P Borgerding

Technician: Kyle P Borgerding

Maint. Provider: Wade A Cloud

Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational
Chlorine Supply: Operational
Chlorine Residual: 0.1mg/L

Sludge Levels

For Tank 1:
For Tank 2:
For Tank 3:

Chlorinator: Op

Tank Lid / Riser: Secured

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

Alarm: Operational

PSI Pressure: 2.1

Comments

Adjusted timer. System is in good working order.

Service Completed

Insp ID #:70790

Provider: Wade A Cloud
Main. Provider
MP0000406
www.lonestaras.com



Lonestar Aerobic Services, LLC
PO Box 228
Boerne, TX 78006

Phone: (830) 443-4559

www.lonestaras.com

To: Jennifer Boyd
884 Marlys Ave
Canyon Lake, TX 78133

Printed: 7/11/2024
Site: 884 Marlys Ave
Canyon Lake, TX 78133

Permit #: **115692**

Agency: Comal County Environmental Health
County: Comal
Mfg / Brand: Enviro-Flo Inc. - NuWater B-0550-400PT, 600GPD
Treatment Type: Aerobic With Chlorine System S/N: B59538
Disposal: Surface Application

Customer ID: 3827
Contract Dates: 3/31/2023 - 3/31/2025
Scheduled Date: 7/31/2024 Inspection 4 of 6
Aerator: Thomas AP-080-110 Installed: 2/15/2023
Warranty End: 2/15/2025

Service Type: Scheduled Inspection

This counts as a type of "Scheduled Inspection"

Visit Date: 7/11/2024

Entered By: Mario Ramirez

Technician: Mario Ramirez

Maint. Provider: Wade A Cloud

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 0.1mg/L

Sludge Levels

For Tank 1: 0+4

For Tank 2: 0+0

For Tank 3: 0+1

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

PSI Pressure: 2.5

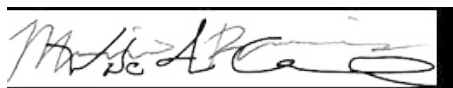
Comments

- Adjusted timer. Sprayheads are functioning properly. - System in good working order.

Service Completed

Insp ID #: 72688

Provider: Wade A Cloud
Main. Provider
MP0000406
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Lonestar Aerobic Services, LLC

PO Box 228
Boerne, TX 78006

(830) 443-4559
www.lonestaras.com

Printed:11/1/2024

Permit: 115692

Site: 884 Marlys Ave, Canyon Lake, TX 78133

Cell Phone: 8323349393

Jennifer Boyd
884 Marlys Ave
Canyon Lake, TX 78133

Agency: Comal County Environmental Health
County: Comal

System Info: MFG: Enviro-Flo Inc. Brand: NuWater B-0550-400PT, 600GPD Aerator: Thomas AP-080-110 Customer ID: 3827
Treatment Type: Aerobic With Chlorine Disposal Type: Surface Application Insp ID: 74546
Installed: 2/15/2023 Warranty Expiration: 2/15/2025 System S/N: B59538

Visit Details <----->

Visit Date: 11/1/2024

Entered By: Mario Ramirez

Scheduled Date: 11/30/2024

Contract Starts: 3/31/2023

Entered On: 11/1/2024

Contract Ends: 3/31/2025

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 5 of 6

Technician: <u>Mario Ramirez</u>	License # <u>MT0002789</u>	Expires <u>7/31/2027</u>	
Provider: <u>Wade A Cloud</u>	<u>MP0000406</u>	<u>10/31/2026</u>	<input checked="" type="checkbox"/> Service Completed

Aerators: Operational Sludge Level Tank 1: 2+6
Filters: Operational Sludge Level Tank 2: 0+0
Irrigation Pumps: Operational Sludge Level Tank 3: 0+2
Disinfection Device: Operational
Chlorine Supply: Operational Floats: OP
Chlorine Residual: 0.1 Timer: OP

Chlorinator: OP

Tank Lid / Riser: Secured

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

Alarm: Operational PSI Pressure: 2.5

Comments

- Performed acid wash to clean diffuser stones and lower back pressure on compressor. Recommend a set of 6" risers to bring tank lids above grade. - Please call the office @ 830-443-4559 to approve risers. - You will be receiving an invoice for acid wash via email/mail following your inspection. Please be on the lookout and provide prompt payment. - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Provider: Wade A Cloud
Main. Provider
MP0000406



Technician: Mario Ramirez
OSSF Maint Technician
MT0002789
www.lonestaras.com
License Number: MT0002789 Exp: 7/31/27

License: Number: MP0000406 Exp: 10/31/2026

License: Number: MT0002789 Exp: 7/31/2027