

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)				

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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
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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: 118362
Issued This Date: 03/25/2025
This permit is hereby given to: Dane Wilhelm

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

806 LOVETT RIDGE RD
CITY OF BULVERDE, TX 78163

Subdivision: Centennial Ridge
Unit: 1
Lot: 12
Block: 1
Acreage: 5.0300

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 9:50 am, Feb 07, 2025



COMAL COUNTY

ENGINEER'S OFFICE

OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded items

--	--

Date Received

Initials

118362

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.

Dane Wilhelm

Signature of Applicant

01/05/2025

Date

___ COMPLETE APPLICATION

Check No. _____ Receipt No. _____

INCOMPLETE APPLICATION

___ (Missing Items Circled, Application Refused)



ON-SITE SEWAGE FACILITY APPLICATION

Date _____

Permit Number _____

1. APPLICANT / AGENT INFORMATION

Owner Name Wilhelm Dane
Mailing Address 806 Lovett Ridge
City, State, Zip Bulverde, TX 78163
Phone # _____
Email _____

Agent Name Doug Dowlearn R.S.
Agent Address 703 Oak Dr.
City, State, Zip Blanco, TX 78606
Phone # 210-878-8100
Email TXSEPTIC@GMAIL.COM

2. LOCATION

Subdivision Name Centennial Ridge Unit 1 Lot 12 Block 1
Survey Name / Abstract Number _____ Acreage 5.03
Address 806 Lovett Ridge Rd City Bulverde State TX Zip 78163

3. TYPE OF DEVELOPMENT

☒ Single Family Residential
Type of Construction (House, Mobile, RV, Etc.) HOUSE
Number of Bedrooms 4
Indicate Sq Ft of Living Area 4052

☐ 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: \$ 1,178,103.00 (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 ☐ Rainwater

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.

Dane Wilhelm

Signature of Owner

01/05/2025

Date

Planning Materials & Site Evaluation as Required Completed By _____

System Description _____

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

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

Gallons Per Day (As Per TCEQ Table III) _____

(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.)

Is there at least one acre per single family dwelling as per 285.40(c)(1)? ☐ Yes ☐ No

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

Date



11CB

COUNTY OF COMAL
STATE OF TEXAS

AFFIDAVIT TO THE PUBLIC

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.

I
The Texas Health and Safety Code, Chapter 366 authorizes the Texas Commission on Environmental Quality (TCEQ) to regulate on-site sewage facilities (OSSFs). Additionally, the Texas Water Code (TWC), § 5.012 and § 5.013, 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.

II
An OSSF requiring a maintenance contract, according to 30 Texas Administrative Code § 285.91 (12) will be installed on the property described as (insert legal description):

Centennial Ridge, Unit 1, Lot 12, Block 1

The property is owned by (insert owner's full name):

Dane Wilhelm

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.

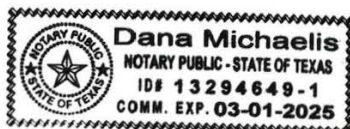
WITNESS BY HAND(S) ON THIS 6th DAY OF January 2025

[Signature]
Owner(s) signature(s)

Dane Wilhelm Owner
(PRINTED NAME) /TITLE

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 6 DAY OF January, 2025

Dana Michaelis
Notary Public, State of Texas
Notary's Printed Name: Dana Michaelis
My Commission Expires: 3-1-2025



Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
01/30/2025 02:38:00 PM
JESS 1 Page(s)
202506002847



Bobbie Koepp

Maintenance Service Provider
15188 FM 306
Canyon Lake, TX 78133
Office (830)964-2365



<u>SERVICE ADDRESS</u>	<u>Installer</u>	<u>TERM</u>
806 Lovett Ridge Rd. Bulverde, TX	JR AVILA	2 year

Routine Maintenance and Inspection Agreement

This Work for Hire Agreement (hereinafter referred to as this "Agreement") is entered into by and between ; (referred to as "Client") and Aerobic Services of South Texas (Thomas W. Hampton MP349) (hereinafter referred to as "Contractor") are 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 (at least once every 4 months), this includes inspections of the entire aerobic system, adjustment, and servicing of the mechanical, electrical, and other applicable parts to ensure proper function. This includes inspecting the control panel, air pumps, air filters, and 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, that cannot be corrected during the service visit, you will be notified immediately in writing of the conditions and estimated date of correction.
4. If the system is a spray field application the Property Owner will be responsible for the chlorine. The chlorine must be filled before or during the service visit. Aerobic systems with a drip field do not require chlorine.
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. BOD and TSS testing is covered by this contract.

The Property Owner 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 above-described Services. The contractor may access the System components including the tanks through excavation for 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 with a written notice in the event of substantial failure to perform under 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 mediator and shall share the cost of the mediation 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.

Property Owner

Name

Dane Wilhelm

Email

Service Address

806 Lovett Ridge Rd. Bulverde, TX 78163

Phone

210 837 4294


SIGNATURE

EFFECTIVE DATE _____

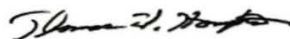
EXPIRED DATE _____

SERVICE PROVIDER

Aerobic Services of South Texas LLC.

15188 FM 306 Canyon Lake, TX 786133

(830) 964-2365



Signature of Service Provider and License #
[Thomas Hampton, OS0024597 / MP0000349]



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

OSSF SOIL EVALUATION REPORT INFORMATION

Date: 2/5/2025

Applicant Information:

Name: Dane Wilhelm

Address: 806 Lovett Ridge

City, State & Zip Code: Bulverde, TX 78163

Email:

Site Evaluator Information:

Name: Doug 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

Property Location:

Subdivision: Centennial Ridge **Unit:** 1 **Lot:** 12 **Block:** 1

Street/Road Address: 806 Lovett Ridge Rd

City : Bulverde **Zip:** 78163

Additional Info: Comal County

Installer Information:

Name:

Company:

Address:

City, State & Zip:

Phone:

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	0-14" Clay Loam 14"+ Limestone	Blocky	<30% Gravel	14"+ Limestone	N/A
Soil Boring #2 60"		Same as above				

DESIGN SPECIFICATIONS

Application Rate (RA): 0.064

OSSF is designed for: 4 Bedroom 4052 Sq. Ft Residence

360 gallons per day

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

5625 sq. ft. disposal area required

600 gallon per day aerobic treatment unit

Calculations: Absorption Area: $Q/RA=360/0.064= 5625$ Sq.. Ft.

FEATURES OF SITE AREA

Presence of 100-year flood zone: NO

Existing or proposed water well in nearby area: YES

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 Dowlearn

Signature:



License No. OS9902 **Exp.** 6/30/2026

TDH: #2432 **Exp.** 2/28/2025

D.A.D SERVICES, INC.
DOUG DOWLEARN
PO BOX 212, BULVERDE, TX 78163
Designed for:
Wilhelm Dane

The installation site is at block 1, lot 12 of the Centennial Ridge 1 subdivision in Comal County, TX. The proposed OSSF will treat the wastewater from a 4 Bedroom (4052 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:

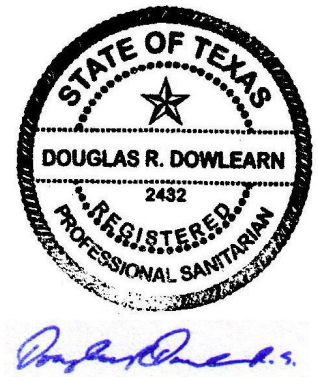
A 3" or 4" PVC pipe will discharge from the residence to a pre-treatment tank, which flows into a 600 gpd aerobic treatment plant. The aerobic tank effluent flows to a 768 gallon storage/pump tank containing a liquid chlorinator and a single 20 gpm submersible pump. Distribution is set to spray in the pre-dawn hours of midnight to 5:00 am through 2 K-Rain Gear Driven pop-up sprinklers, with low angle (13 degrees) spray nozzles spraying at 40 psi. Each sprinkler will spray a radius of 30 feet and 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: 360 gpd
Application rate: 0.064
Application area required: $360/.064 = 5625$ sq. ft.
Application area utilized: 5654 sq. ft.
Pump tank reserve capacity: 120 gal minimum

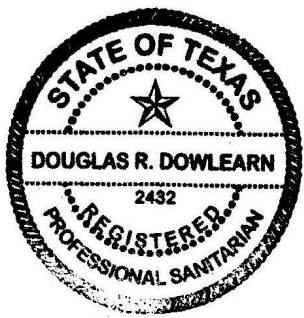
SYSTEM COMPONENTS:

SCH 40 PVC sewer line
NuWater B-550
353-gallon Pretreatment tank
600 GPD Aerobic Treatment Unit
768-gallon Pump tank with timed controls set to spray in the pre-dawn hours of midnight to 5:00 am
C-1 20X, Model no. 20XC1-05P4-2W115 (or equivalent) submersible pump
Liquid chlorinator
1" purple PVC supply line
2 K-Rain Gear Driven pop-up sprinklers

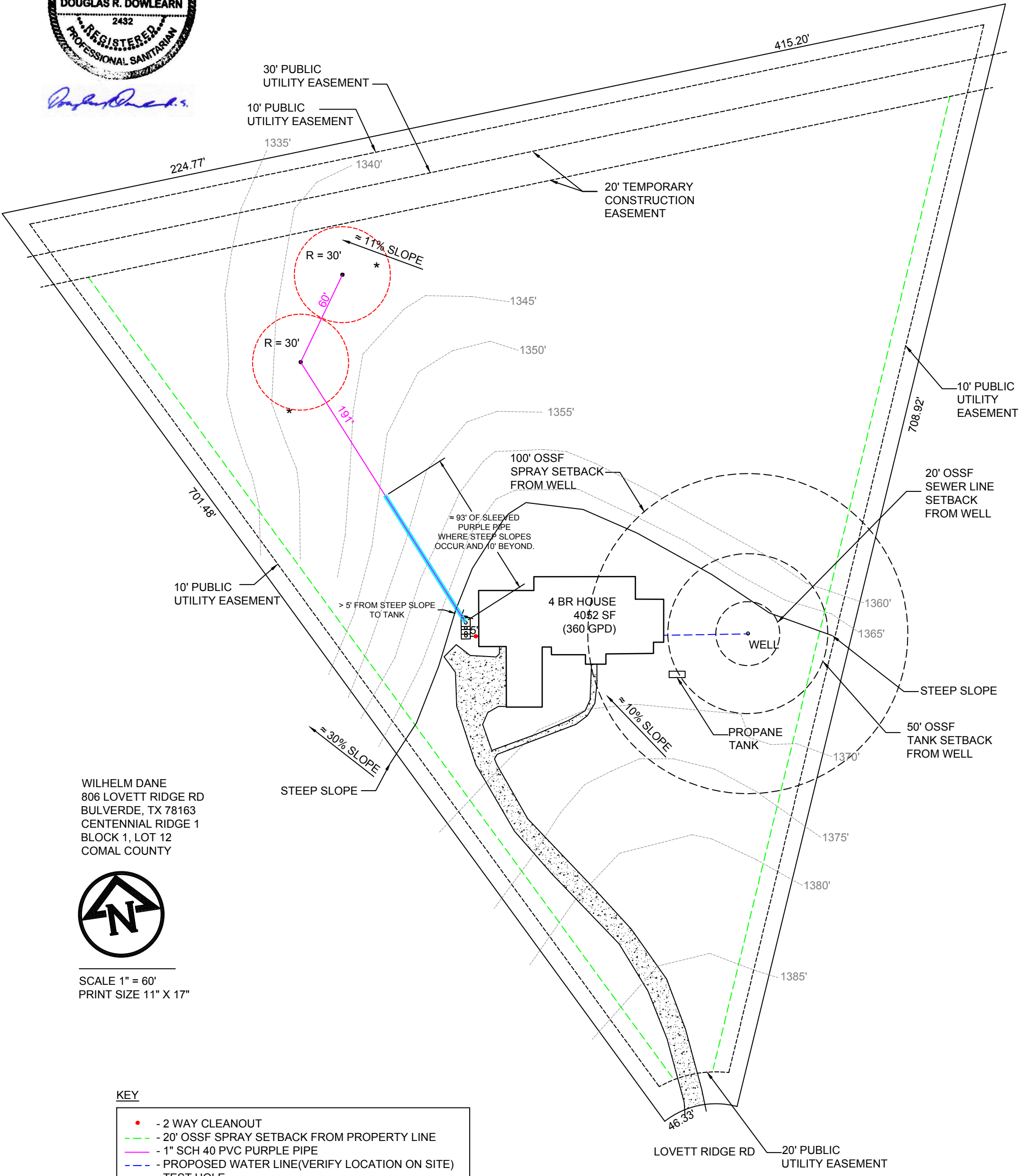


LANDSCAPING:

The entire surface application area must consist of an area with vegetation capable of growth, before system start up. In the event the surface application area does not have vegetation capable of growth, the bare area shall be seeded or sodded. If the non-vegetative area consists of rock or caliche, 3" of class II or III soil, capable of growing and sustaining vegetative growth, will be added before it is seeded or sodded.



Douglas R. Dowlearn



WILHELM DANE
806 LOVETT RIDGE RD
BULVERDE, TX 78163
CENTENNIAL RIDGE 1
BLOCK 1, LOT 12
COMAL COUNTY



SCALE 1" = 60'
PRINT SIZE 11" X 17"

KEY

- 2 WAY CLEANOUT
- 20' OSSF SPRAY SETBACK FROM PROPERTY LINE
- 1" SCH 40 PVC PURPLE PIPE
- PROPOSED WATER LINE(VERIFY LOCATION ON SITE)
- TEST HOLE
- 600 GPD AEROBIC TREATMENT UNIT
- DRIVE/WALKWAY

- NOTES:
- 1" SCH 40 PURPLE PIPE TO ALL SPRAY HEADS.
 - 1" SCH 40 PURPLE PIPE WILL BE SLEEVED IN SCH 40 PVC PIPE WHERE STEEP SLOPES OCCUR AND 10' BEYOND. THIS WILL PROVIDE EQUIVALENT PROTECTION TO THE LINE - SEE VARIANCE REQUEST.
 - 3" OR 4" SCH 40 PVC PIPE FROM STRUCTURE TO TANK.
 - SEWER PIPE CONNECTING THE STRUCTURE TO THE TANK MUST HAVE AT MINIMUM 1/8" FALL PER 1'.
 - TANK TO BE > 5' FROM STRUCTURES AND SURFACE IMPROVEMENTS. THIS WILL PROVIDE EQUIVALENT PROTECTION FOR THE SETBACK REQUIREMENTS OF TAC 285.
 - CLEANOUT WITHIN 3' OF STRUCTURE.
 - TOTAL SPRAY AREA = 5654 SF.
 - TANK WILL BE WATER TIGHT AND MANUFACTURED ACCORDING TO ASTM DESIGNATION: C 1227.
 - DRAINFIELD SHALL BE GREATER THAN 100' FROM PRIVATE WELLS, AND GREATER THAN 150' FROM PUBLIC WELLS. VERIFY WELL LOCATION(S) ON SITE.
 - SPRAY HEADS SHALL BE LOCATED AT LEAST 10' AWAY FROM TREES WITHIN THE DISTRIBUTION AREA.
 - THIS DESIGN MEETS THE OSSF REQUIREMENTS OF THE EXISTING CZP

Douglas R. Dowlearn
D.A.D. Services, Inc.
PO Box 212
Bulverde, TX 78163
(210)240-2101
txseptic@gmail.com

January 31, 2025

RE: 806 Lovett Ridge Rd - Purple Pipe Variance Request

To Whom It May Concern:

I am requesting a variance for the placement of 1" purple pipe to be placed within 10' of a steep slope. This variance is requested due to limitations presented by the overall steep nature of the lot.

The purple pipe will be sleeved in SCH 40 PVC pipe where it is within 10' of a steep slope. The sleeving of the purple pipe will prevent seepage in the event of a leak in the line; therefore, equivalent protection will be maintained.

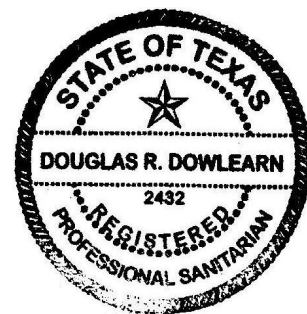
In my professional opinion, this variance will not pose a threat to the environment or public health.

If there are any questions or concerns, please contact me at 210.240.2101 or by email at txseptic@gmail.com.

Sincerely,



Douglas R. Dowlearn, R.S.



Assembly Details

OSSF



Douglas R. Dowlearn

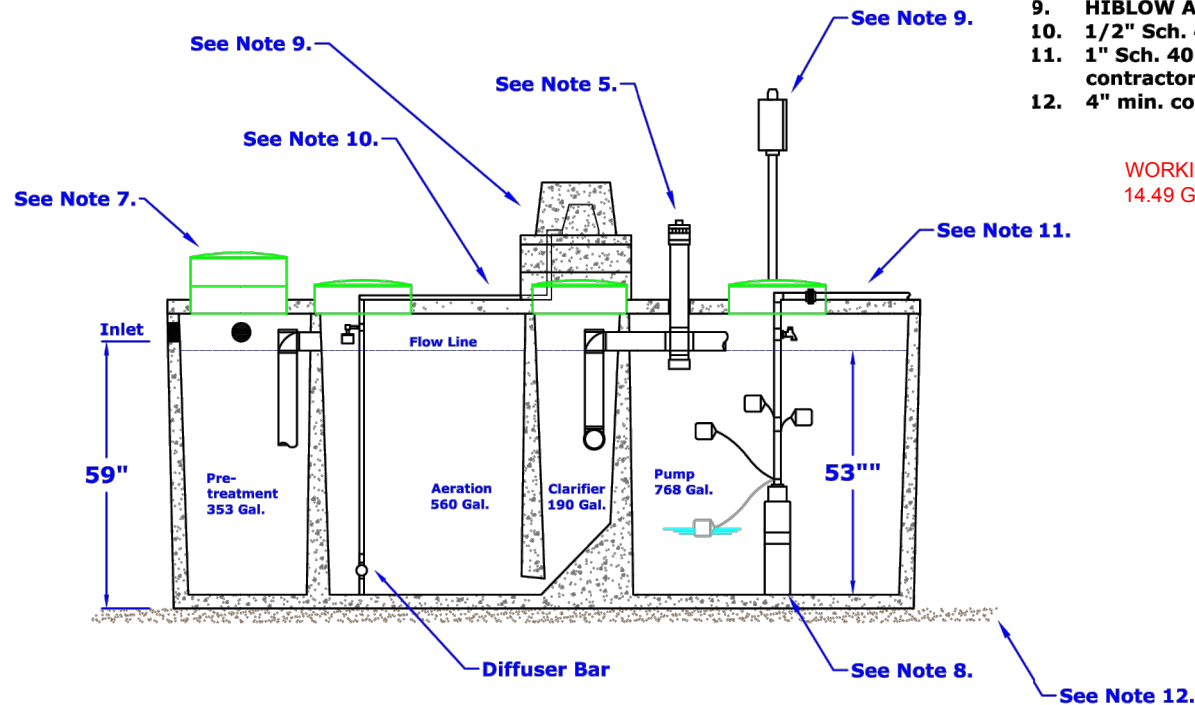
43" - 53" - RESERVE - 144.9 GAL
12" - 43" - PUMP ON TO ALARM ON - 449.19 GAL
10" - 12" - PUMP OFF TO PUMP ON - 28.89 GAL
0 - 10" - SUMP- 144.9 GAL

NOTE: SET ON A TIMER TO DOSE IN PRE DAWN HOURS OF MIDNIGHT TO 5 A.M.

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

WORKING LEVEL = 53"
14.49 GAL/INCH



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.

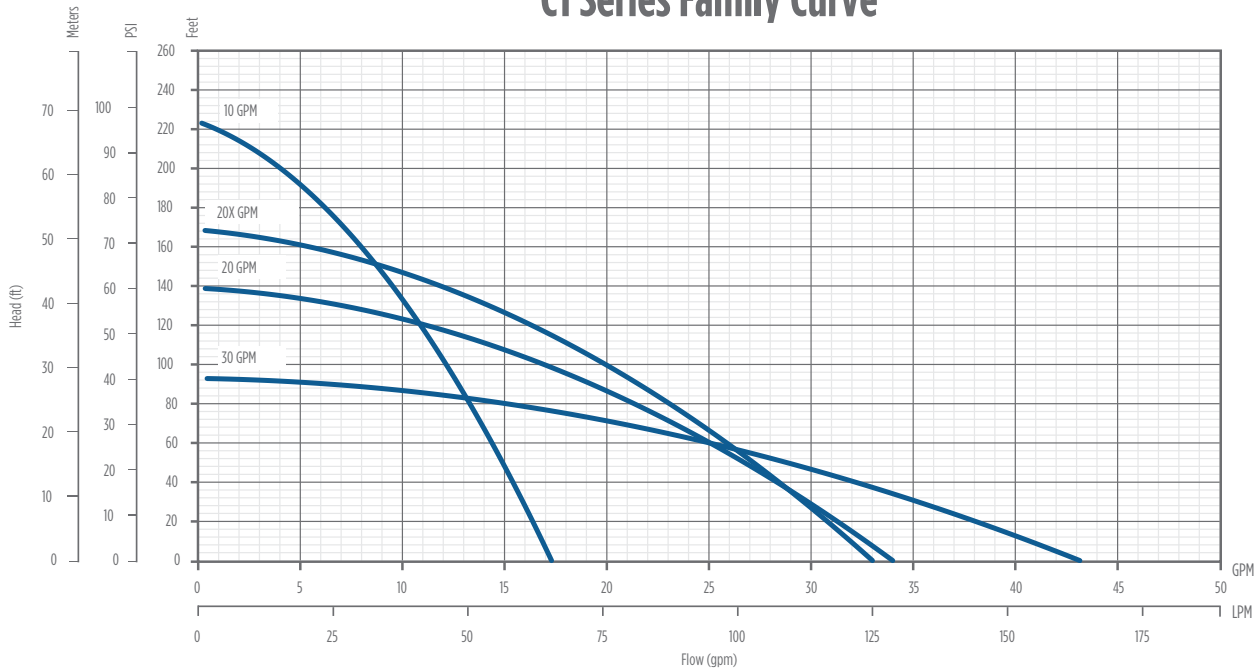
The pump's unique bottom suction design allows for maximum fluid drawdown without compromising durability or overall life, and it does not require the use of a flow induction sleeve. Intended specifically for use in a cistern or tank, C1 Series pumps are suitable for use in agricultural, residential,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



Franklin Electric

franklinwater.com

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, ½ 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.



Franklin Electric

franklinwater.com

M1698 07-14



COMAL COUNTY

ENGINEER'S OFFICE

RE: ***806 Lovett Ridge Rd.
Centennial Ridge 1
Lot 12 – Block 1***

Dear Property Owner & Agent,

Thank you for your submission. We have reviewed the planning materials for the referenced permit application, and unfortunately, they are insufficient. To proceed with processing this permit, we require the following:

- ✓ Submit a copy of the approved building permit or written verification from the City of Bulverde stating that the improvements on the referenced property do not require a building permit.
- ✓ Site Plan:
 - a. Show the east property line dimension.
- 3. Revise accordingly and resubmit.

If you have any questions, you can email me or call the office.

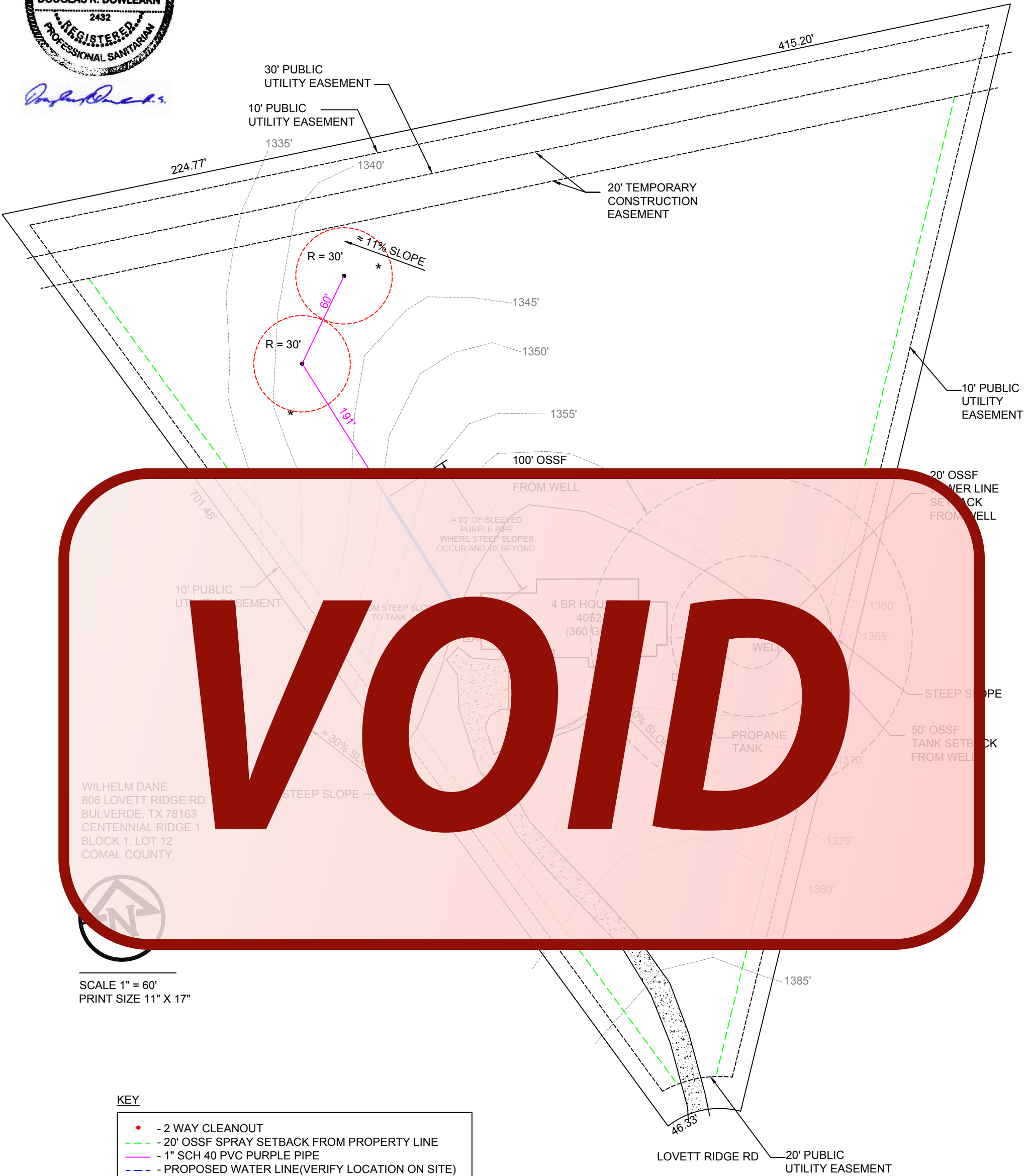
Thank You,

| **Brandon Olvera** | **Designated Representative OS0034792** |

| Comal County | www.cceo.org | f: 830-608-2078 | e: olverb@co.comal.tx.us |



Douglas R. Dowlearn



WILHELM DANE
806 LOVETT RIDGE RD
BULVERDE, TX 78163
CENTENNIAL RIDGE 1
BLOCK 1, LOT 12
COMAL COUNTY

SCALE 1" = 60'
PRINT SIZE 11" X 17"

KEY

•	- 2 WAY CLEANOUT
---	- 20' OSSF SPRAY SETBACK FROM PROPERTY LINE
---	- 1" SCH 40 PVC PURPLE PIPE
---	- PROPOSED WATER LINE(VERIFY LOCATION ON SITE)
*	- TEST HOLE
☒	- 600 GPD AEROBIC TREATMENT UNIT
▨	- DRIVE/WALKWAY

- NOTES:
- 1" SCH 40 PURPLE PIPE TO ALL SPRAY HEADS.
 - 1" SCH 40 PURPLE PIPE WILL BE SLEEVED IN SCH 40 PVC PIPE WHERE STEEP SLOPES OCCUR AND 10' BEYOND. THIS WILL PROVIDE EQUIVALENT PROTECTION TO THE LINE - SEE VARIANCE REQUEST.
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RECEIVED

By Brandon Olvera at 2:19 pm, Mar 25, 2025

PERMIT

PERMIT #: 2025-36

PROJECT ADDRESS: 806 Lovett Ridge Road NSFR

DESIGNATION: Residential

OWNER NAME: Dane Wilhelm

PERMIT TYPE: New Single Family
(Residential)



ISSUED TO (CONTRACTOR): Brad Moore Builders, LLC - Wesley Overley
18830 Forty Six Pkwy, Bldg 3, Ste A (830) 438-3240
wesley@bradmoorebuilders.com

Issued Date:

Expiration Date:

STIPULATIONS IF ANY:

THIS PERMIT MUST BE POSTED IN A CONSPICUOUS PLACE ON CONSTRUCTION SITE

PERMIT

INSPECTION INFORMATION

- It is the responsibility of the contractor to have all stamped/approved plans and permits printed and placed onsite prior to any inspections.
- TO SCHEDULE INSPECTIONS PLEASE REQUEST ONLINE VIA <https://mgoconnect.org/cp/portal>

- **REQUIRED INSPECTIONS:**

Required inspections are subject to change
at the discretion of the Jurisdiction.

- o Electric Trench
- o Gas Rough In
- o Sewer Yard Line
- o Shear Wall/Exterior Sheathing
- o TML (Electrical - Temporary Meter Loop)
- o Water Service
- o Plumbing Rough
- o Foundation Pre Pour
- o Electrical Rough
- o Framing
- o Mechanical Rough
- o Plumbing Top Out
- o Insulation
- o Shower Pan
- o TOPS (Electrical - Temporary on Permanent Set
- o Electrical Final
- o Gas Final
- o Mechanical Final

RECEIVED

By Brandon Olvera at 2:19 pm, Mar 25, 2025

PERMIT

- o Plumbing Final
 - o Building Final
- For all other questions regarding building & permitting please contact:
 - o Claudia Cardenas, ccardenas@bulverdetx.gov
 - o Bailey Dorn, bdorn@bulverdetx.gov
 - o Heath Edwards, hedwards@bulverdetx.gov

ORT GF# 53360NC ML

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 WITH VENDOR'S LIEN

Date: October 19, 2023

Grantor: ROSS RECKER and wife, MINDY SHEREE RECKER

Grantor's Mailing Address: 2111 Kinder Run, San Antonio, TX 78260

Grantee: DANE WILHELM, a single person, owning, occupying and claiming other property as homestead

Grantee's Return Mailing Address: 806 Lovett Ridge Rd, Bulverde, TX 78163

Consideration: TEN and NO/100 DOLLARS (\$10.00) and other good and valuable consideration in hand paid to Grantor, the receipt and sufficiency of which is hereby acknowledged and confessed, and the further consideration of the execution by Grantee of one certain promissory note of even date payable to the order of RANDOLPH- BROOKS FEDERAL CREDIT UNION in the principal amount of \$300,000.00. The note is secured by a first and superior vendor's lien and superior title retained in this deed in favor of RANDOLPH- BROOKS FEDERAL CREDIT UNION and by a first-lien deed of trust of even date from Grantee to Morton W. Baird II, trustee.

Property (including any improvements):

Lot 12, Block 1, CENTENNIAL RIDGE UNIT 1, City of Bulverde, Comal County, Texas, according to the map or plat thereof recorded in Document No. 202006002296, Map and Plat Records of Comal County, Texas.

Reservations from Conveyance: None

Exceptions to Conveyance and Warranty: Liens described as part of the Consideration and any other liens described in this deed as being either assumed or subject to which title is taken; validly existing 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 2023, which Grantee assumes and agrees to pay, but not subsequent assessments for that and prior years due to change in land usage, ownership, or both, the payment of which Grantor 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.

To the extent that the purchase agreement between Grantor and Grantee, if any, provides for limitations or other agreed matters that will survive the closing and this conveyance, then such limitations or other agreed matters are hereby deemed incorporated by reference.

The vendor's lien against and superior title to the Property are retained until each note described is fully paid according to its terms, at which time this deed will become absolute. RANDOLPH- BROOKS FEDERAL CREDIT UNION, at Grantee's request, has paid in cash to Grantor that portion of the purchase price of the Property that is evidenced by the note. The first and superior vendor's lien against and superior title to the Property are retained for the benefit of RANDOLPH- BROOKS FEDERAL CREDIT UNION and are transferred to RANDOLPH- BROOKS FEDERAL CREDIT UNION without recourse against Grantor.

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



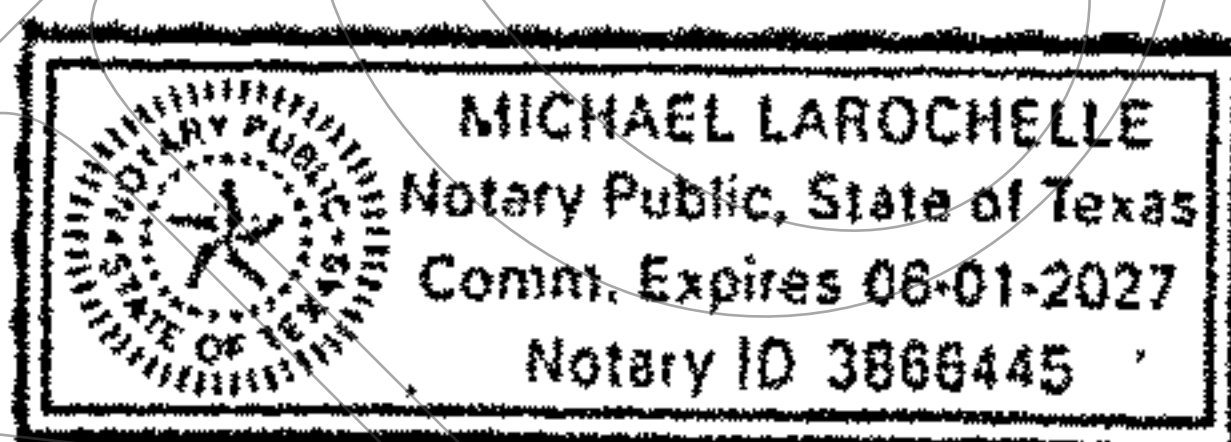
ROSS RECKER



MINDY SHEREE RECKER

STATE OF TEXAS)
COUNTY OF BEXAR)

This instrument was acknowledged before me on October 19, 2023 by ROSS RECKER and MINDY SHEREE RECKER.





Notary Public, State of Texas

Page 2

**Filed and Recorded
Official Public Records
Bobbie Koepp, County Clerk
Comal County, Texas
10/20/2023 08:03:18 AM
CHRISTY 2 Pages(s)
202306033405**



Bobbie Koepp