



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: 117355
Issued This Date: 04/19/2024
This permit is hereby given to: Curtis and Melissa Schmit

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

1830 LAKESHORE DR
CANYON LAKE, TX 78133

Subdivision: Canyon Lake Shores
Unit: 2
Lot: 149
Block: -
Acreage: 0.8900

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic
Drip Irrigation

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

Call (830) 608-2090 to schedule inspections.



COMAL COUNTY
ENGINEER'S OFFICE

ON-SITE SEWAGE FACILITY APPLICATION

195 DAVID JONAS DR
NEW BRAUNFELS, TX 78132
(830) 608-2090
WWW.CCEO.ORG

RECEIVED

By Kathy Griffin at 3:08 pm, Apr 05, 2024

Date _____

Permit Number 117355

1. APPLICANT / AGENT INFORMATION

Owner Name Curtis D. Schmidt and Melissa K. Schmidt
Mailing Address 8510 Tuscan Hills Dr
City, State, Zip Garden Ridge, TX 78266
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 Canyon Lake Shores Unit 2 Lot 149 Block _____
Survey Name / Abstract Number _____ Acreage .8940
Address 1830 Lakeshore Dr 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 1
Indicate Sq Ft of Living Area 600

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: \$ 150000 (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.

Signature of Owner

4/4/2024

Date

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

Planning Materials & Site Evaluation as Required Completed By _____

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.)

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

Page 2 of 2



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.

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

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

Canyon Lake Shores, Unit 2, Lot 149

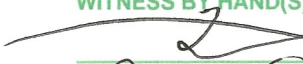
The property is owned by (Insert owner's full name):

Curtis D. Schmidt and Melissa K. Schmidt

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**.

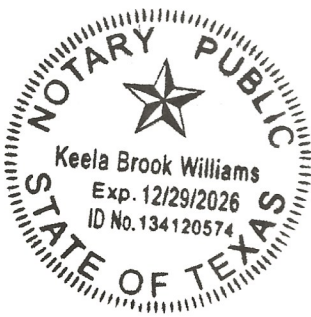
WITNESS BY HAND(S) ON THIS 24 DAY OF March 2024


Melissa K Schmidt
Owner(s) signature(s)

Curtis D Schmidt/owner
Melisa K Schmidt/owner
(PRINTED NAME) /TITLE

SWORN TO AND SUBSCRIBED BEFORE ME ON THIS 24 DAY OF March 2024

Keela Brook Williams
Notary Public, State of Texas
Notary's Printed Name: Keela Brook Williams
My Commission Expires: 12/29/2026



Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
03/25/2024 09:40:02 AM
TAMMY 1 Page(s)
202406008759



Bobbie Koepf



SOTX SEPTIC SERVICES
15656 CRANES MILL RD.
CANYON LAKE, TX 78133
(830) 481-3249
SOTXSERVICES@GMAIL.COM

On-Site Sewage Facility (OSSF) Service Agreement

I. **General:** This Work for Hire Agreement (hereinafter referred to as "Agreement") is entered into by and between CURTIS & MELISSA SCHMIDT, (hereinafter referred to as "Client") and SOTX Septic Services (hereinafter to as "Contractor"). By this agreement, Contractor agrees to render services, as described herein, and the Client agrees to fulfill his/her/their responsibilities under this agreement as described herein.

II. **Effective Dates:** This agreement commences on receipt of full payment and runs for two (2) years. Agreement's... Starting Date: (Date License to Operate is Issued) Ending Date: (2yrs. From Date of LTO)

III. **Services by Contractor:** Contractor will provide the following services (hereinafter referred to as the "Services"):

1. In compliance with Agency (TCEQ and/or County) and manufacturer's requirements, inspect and perform routine maintenance on the On-Site Sewage Facility (hereinafter referred to as the "OSSF") three (3) times per year (approximately once every four (4) months).
2. Report to the appropriate regulatory authority and to the Client, as is required by both the State's on-site rules and the local Agency's rules, if more stringent. All findings must be reported to the local Agency within 14 days.
3. If any components of the OSSF are found to need repair during the inspection, the Contractor will notify the Client of the repairs needed.
4. Visit in response to Client's request(s) for unscheduled service(s) within two business days from the date of Contractor's receipt of Client's request. All unscheduled responses are in addition to the fee covered by this Agreement and will be billed to the Client.
5. Provide notification of arrival to site to the homeowner or to site personnel. Additionally, written notification of the visit will be left at the site or with site personnel upon completion or inspection, as well as, forwarded to agency within 14 days.

IV. **Site Location:** The Services are to be performed at the property located at:

1830 LAKESHORE DR. CANYON LAKE, TX 78133

V. **Payment(s):** The fee for this Agreement only covers the Services describes herein. This fee does not cover equipment, parts or labor supplied for the repairs or charges for unscheduled Client-request trips to the site. Payments for such additional services are due when service is provided or rendered. Payments not received within 30 days from due date will be subjected to a \$20.00 late penalty and / or a 1.5% carrying charge, whichever is greater, in addition the reasonable attorney's fees and all costs of collection incurred by Contractor in collection of any unpaid debt(s). By signing this contract, the Client is authorizing the Contractor to remove any parts which were installed but not paid for at the end of 30 days. The Client is still responsible for any labor costs associated with the installation and remove of said parts.

Initials...

Customer: [Signature]

Contractor: CDH

Client's Responsibilities: The Client is responsible for each and all the following:

1. Maintain chlorinator and provide proper chlorine supply, if OSSF is equipped with same.
 2. Provide all necessary yard or lawn maintenance and removal of obstacles as needed to allow the OSSF to function properly, and to allow Contractor easy access to all parts of the OSSF.
 3. Maintain a current license to operate and abide by the conditions and limitations of that license and all requirements for on-site sewage facilities (OSSF's) from the State and local regulatory agency, as well as manufacturer's recommendations.
 4. Immediately notify the Contractor and Agency of all problems with, including the failure of the OSSF.
 5. Upon receiving a written notification of services needed from the Contractor, it becomes the Client's responsibility to contact the Contractor to authorize the service. If the Client chooses to use a different contractor to perform the service, the Client's responsible for ensuring the contractor holds the proper license (installer II) and is certified by the manufacturer. Also, the Client is responsible for ensuring proper notification is given to the Agency, as required by the State and local Agency rules.
 6. Provide the Contractor with water usage records, upon request, for evaluation by the Contractor of the OSSF performance.
 7. Clients residing in Harris County should allow for samples at both the inlet and outlet to the OSSF to be obtained by the Contractor for the purpose of evaluating the OSSF's performance when requested by the Client. If these samples are sent to the lab for testing, the Client will directly pay the lab for the cost of the testing plus pay the Contractor for all man-hours expended in providing this additional service at the rate of \$75.00 per hour measured from office to site, site to lab, and lab to office, otherwise known as portal to portal.
 8. Not allow the backwash from water treatment or water conditioning equipment to enter the OSSF.
 9. Provide for pumping of tanks, when needed, at Clients expense.
 10. Maintain site drainage to prevent adverse effects on OSSF.
 11. Promptly and fully pay Contactor's bills, fees, or invoices as described herein.
- VI. Access by Contractor:** Contractor, or personnel authorized by the Contractor, may enter the property at reasonable times without prior notice for the purpose of performing the above-described Services. Contractor will require access to the OSSF electrical and physical components, including tanks, by means of manways or risers for the purpose of evaluations required by manufacturer, and/ or rules. If such manways or risers are not in place, excavation together with other labor and materials will be required and will be billed to Client as additional service at the rate of \$75.00 per hour, plus materials billed at list price. Excavated soil is to be replaced as best as reasonably possible.
- VII. Application or Transfer of Payments:** The fees paid for this agreement may transfer to subsequent owner(s); however, this agreement will not transfer. The subsequent owner(s) must sign a similar agreement authorizing Contractor to perform the above-described Services and accepting Client's responsibilities. This replacement Agreement must be signed and received within 30 days of transfer of ownership. Contractor will apply all funds received from Client first to any past due obligations arising from this Agreement including late charges, return check charges, and charges for repairs or services not paid within 30 days of invoicing. The consumption of the payment in this manner may lead to early termination of the agreement by Contractor.
- VIII. Termination of Agreement:** This Agreement may be terminated by either party within 30 days written notice in the event of substantial failure to perform in accordance with its terms by the other party without fault of the terminating party. If this Agreement is so terminated, Contractor shall be paid at the rate of \$75.00 per hour for any work performed, but not yet paid. The party terminating will immediately notify the other party, the equipment manufacturer, and the regulatory agency of the termination.
- IX. Limits of Liability:** In no event shall the Contractor be liable for indirect, consequential, incidental or punitive damages, whether in contact tort or any other theory. In no event the Contractor's liability for direct damages exceed the price for the Services described in this Agreement.
- X. Severability:** If any provision in the Agreement shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If court finds that any provision of this

Initials...

Customer: 

Contractor: 

Agreement is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be written, construed, and enforced as so limited.

XI. **Performance of Agreement:** Commencement of performance by Contractor under this agreement is contingent on the following conditions (1) Contractor receiving a fully execute original copy of this agreement. (2) Contractor receiving payment in full for the fee as described in Section V. If the above conditions are not met, then Contractor is not obligated to perform any portion of this agreement.

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

Client... (And/or authorized agent)

Printed Name: CURTIS SCHMIDT Signature: [Signature] Date: 4/11/24

Printed Name: MELISSA SCHMIDT Signature: [Signature] Date: 4/11/24

Physical Address: 1830 LAKESHORE DR. CANYON LAKE, TX Zip: 78133

Mailing Address: 8510 Tuscan Hills Drive, Garden Ridge, TX Zip: 78264

Phone # 319-721-7936 Cell# (210) 842-4120 County: COMAL

Email: FACIALFX@GMAIL.COM MISSYFAGA@GMAIL.COM Gate Code: _____

=====**Contractor**=====

SOTX Septic Services
15656 Cranes Mill Rd.
Canyon Lake, TX 78133
830-481-3249
sotxservices@gmail.com

Clarence D. Hinds Jr Clarence D Hinds Jr.

Lic #: **OSSF Installer II #:** OS0030965

Maintenance Provider #: MP0002439

Installer Name: COURTENAY NICHOLS

Phone #: (512) 822-8818

Email: _____

Lic #: OS0037203

Manufacturer: Aerobic Spray

GPD: **600 800 1000** Other: _____

Disposal: **Spray Drip** Other: _____

Initials...

Customer: [Signature]

Contractor: CDH

Date: 4/4/2024

Applicant Information:

Name: Curtis D. Schmidt and Melissa K. Schmidt
Address: 8510 Tuscan Hills Dr
City, State & Zip Code: Garden Ridge, TX 78266
Phone:
Email:

Site Evaluator Information:

Name: Douglas R. Dowlearn
Company: D.A.D. Services, Inc.
Address: 703 Oak Drive
City, State & Zip: Blanco, TX 78606
Phone: (210)240-2101 Fax: (866)260-7687
Email: txseptic@gmail.com

Property Location:

Subdivision: Canyon Lake Shores Unit: 2 Lot: 149
Street/Road Address: 1830 Lakeshore Dr
City: Canyon Lake Zip: 78133
Additional Info: Comal County

Installer Information:

Name:
Company:
Address:
City, State & Zip:
Phone: Fax:

Depth	Texture Class	Soil Texture	Structure (For Class III – blocky, platy or massive)	Drainage (Mottles/Water Table)	Restrictive Horizon	Observation
Soil Boring #1 60"	III	0-12" Clay Loam 12" + Limestone	Blocky	<30% Gravel	12"+ Limestone	CLEAR SURFACE ROCK AND BOULDERS FROM DRAINFIELD AREA, AND ENSURE THAT THERE IS AT MINIMUM 12" OF SUITABLE SOIL BETWEEN THE BOTTOM OF THE DRIP LINES, AND THE RESTRICTIVE HORIZON. CLASS II SOIL MAY NEED TO BE IMPORTED IN ORDER TO MAINTAIN THE MINIMUM 12" OF SOIL BETWEEN THE BOTTOM OF THE DRIP LINES AND RESTRICTIVE HORIZON
Soil Boring #2 60"		Same as above				

DESIGN SPECIFICATIONS

Application Rate (RA): 0.2

OSSF is designed for: 1 Bedroom 600 Sq. Ft Barndominium
180 Gallons per day required

An aerobic treatment/drip disposal system is to be utilized based on the site evaluation.
900 sq. ft. disposal area required

600 gallon per day aerobic tank required

Calculations: Absorption Area: Q/RA= 180/0.2= 900 Sq. Ft.

FEATURES OF SITE AREA

Presence of 100-year flood zone: YES

Existing or proposed water well in nearby area: NO

Presence of adjacent ponds, streams, water impoundments: YES

Presence of upper water shed: NO

Organized sewage service available to lot: NO

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

Site Evaluator:

NAME: Douglas R. Dowlearn, R.S.

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:
Schmidt Curtis D & Melissa K

The installation site is on lot 149 of the Canyon Lake Shores 2 Subdivision in Comal County, TX. The proposed OSSF will treat the wastewater from a 1 Bedroom (600 sq. ft.) barndominium. The proposed method of wastewater treatment is aerobic treatment with drip irrigation. This method was chosen because of unsuitable soil conditions.

PROPOSED SYSTEM:

A 3" or 4" PVC pipe will discharge from the structure to a NuWater B-550 aerobic treatment plant, containing a 353 gallon pre-treatment tank, a 600 gpd aerobic treatment plant, and a 768 gallon pump tank equipped with a 20 gpm submersible pump. The pump is activated by a time controller allowing the distribution 5 times per day with a 10 minute run time per dose, with float switches set to pump 180 gallons per day. A high level audible and visual alarm will activate should the pump fail. Distribution from the pump is through a self flushing 100 micron, 140 mesh disc filter, then through a 1.25" SCH-40 manifold to a 756 L.F. drip tubing field, with drip lines set approximately two feet apart with 0.61 gph emitters set every two feet, as per the attached schematic. A threaded union will be installed in the pump tank on the supply manifold to the drip field, and a pressure regulator will be installed on the supply manifold to maintain a pressure of 30 psi. A 1.25" SCH-40 return line is installed to continuously flush the system back to the pump tank. Vacuum breakers installed at the highest point on each manifold will prevent siphoning of effluent from higher to lower parts of the field. The placement of the drip tubing will be on soil that has been scarified, and enough class II soil will be added so that there is 12" of soil under the drip tubing. The tubing will be covered with 6" of Class II soil.

DESIGN SPECIFICATIONS:

Daily Waste Flow: 180 gpd
Application rate: 0.2
Application area required: $180/0.2 = 900$ ft. sq.
Application area utilized: 1512 sq. ft.
Pump tank reserve capacity: 60 gal minimum

SYSTEM COMPONENTS:

SCH 40 PVC sewer line
NuWater B-550
 353 gallon pre treatment tank
 600 gpd aerobic treatment plant
 768 gallon pump tank with timed controls
 C1 Series, 20Xgpm - 0.5hp/115V, Model No. 20C1X-05P4-2W115 (or equivalent)
1.25" purple PVC supply line
30 PSI pressure regulator - Model PMR30MF
Netafim Bioline Drip tubing



Douglas R. Dowlearn

LANDSCAPING:

The native vegetation in the distribution area should consist of low level shrubs, plains grass, bluestem or bermuda. The entire area of the drip disposal must be covered with a ground cover such as grass seed or sod prior to the final inspection.



Douglas R. Dowlearn

SCHMIDT CURTIS D & MELISSA K
 1830 LAKESHORE DR
 CANYON LAKE, TX 78133
 CANYON LAKE SHORES 2
 LOT 149
 COMAL COUNTY

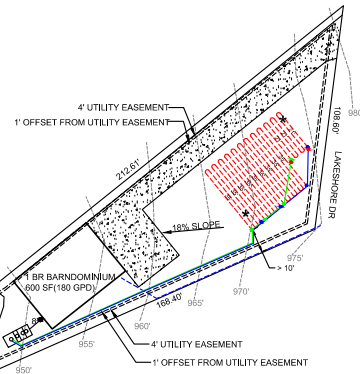


SCALE 1" = 60'
 PRINT SIZE 11" X 17"

756 L.F. OF DRIP TUBING SPACED 2' APART.
 18 ROWS @ 35 L.F. EACH
 6 ROWS @ 21 L.F. EACH

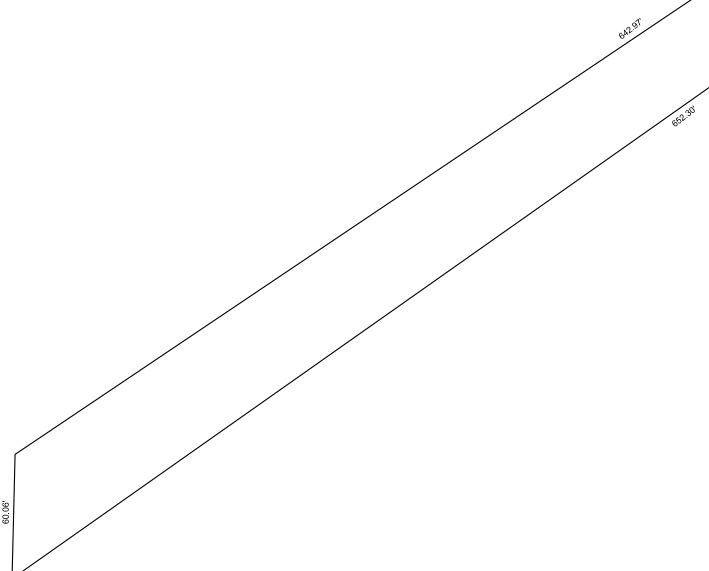
KEY

	- TWO WAY CLEANOUT
	- 1" VACUUM BREAKER
	- 1.25" SUPPLY LINE
	- 1.25" FLUSH LINE
	- SUPPLY LINE CONNECTION
	- FLUSH LINE CONNECTION
	- PROPOSED WATER LINE (VERIFY WATER LINE)
	- TEST HOLE
	- 600 GPD AEROBIC TREATMENT UNIT
	- DRIVE/WALKWAY



NOTES:

- USE 2" OR 4" SCH 40 SEWER PIPE TO CONNECT STRUCTURE TO TANK.
- CLEANOUT MEMBER OF STRUCTURE.
- CLEANOUT MEMBER OF STRUCTURE.
- SEWER PIPE CONNECTING THE STRUCTURE TO THE TANK MUST HAVE AT MINIMUM 1/4" FALL PER FT.
- INSTALL 1" VACUUM BREAKERS AT POINTS OF ENTRY AND FLUSHES.
- TANK TO BE 5' FROM STRUCTURES AND SURFACE IMPROVEMENTS. THE WALL PROVIDE EQUIVALENT PROTECTION FOR THE SETBACK REQUIREMENTS OF FAC 205.
- TANK WALL BE WATER TIGHT AND MANUFACTURED ACCORDING TO AEM DESIGNATION C1002.
- GRANULAR SHALL BE GREATER THAN 100 FROM PRIVATE WELLS AND GREATER THAN 100 FROM PUBLIC WELLS (VERIFY WELL LOCATIONS) ON SITE.
- CLEAR SURFACE ROCK AND GRAVEL FROM DRAINAGE AREAS, AND INSURE THAT THERE IS AT MINIMUM 12" OF SUBGRADE BETWEEN THE BOTTOM OF THE DRIP LINES AND RESPECTIVE HORIZONTAL CLASS B SOIL. THIS SHALL BE REPORTED IN ORDER TO MAINTAIN THE MINIMUM 12" OF SOIL BETWEEN THE BOTTOM OF THE DRIP LINES AND RESPECTIVE HORIZONTAL CLASS B SOIL.
- ALL SUPPLY AND FLUSH LINES SHALL BE SLEEVED WHERE THEY ARE STRUCK BY OR OVER A. THE WALL PROVIDE EQUIVALENT PROTECTION FOR THE SETBACK REQUIREMENTS OF FAC 205.
- 1.25" SUPPLY AND FLUSH LINES SHALL BE SLEEVED WHERE THEY ARE STRUCK BY OR OVER A. THE WALL PROVIDE EQUIVALENT PROTECTION FOR THE SETBACK REQUIREMENTS OF FAC 205.
- WATER LINE SHALL BE SLEEVED IN SCH 40 PIPE WHERE IT CROSSES THE 1.25" SCH 40 SUPPLY AND FLUSH LINES AND 12" BEYOND. SLEEVING THE WATER LINE SHALL PROVIDE EQUIVALENT PROTECTION TO THE SETBACK REQUIREMENTS OF FAC 205 CONCERNING WATER LINES.
- WATER LINE SHALL BE SLEEVED IN SCH 40 PIPE WHERE IT CROSSES THE 1.25" SUPPLY AND FLUSH LINES. SLEEVING THE WATER LINE SHALL PROVIDE EQUIVALENT PROTECTION TO THE SETBACK REQUIREMENTS OF FAC 205 CONCERNING WATER LINES.





Douglas R. Dowlearn

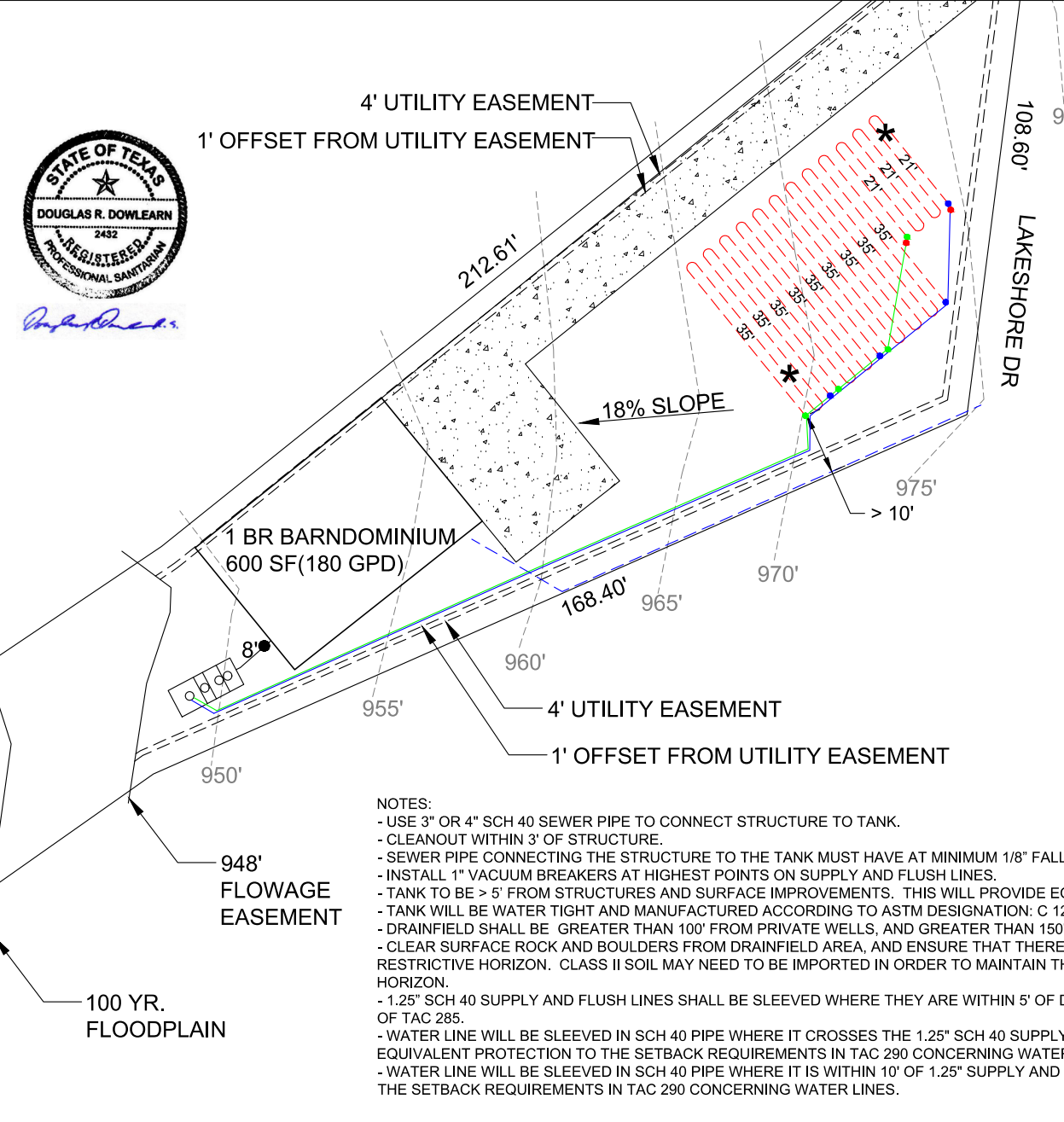


SCALE 1" = 20'
PRINT SIZE 11" X 17"

756 L.F. OF DRIP TUBING SPACED 2' APART.
18 ROWS @ 35 L.F. EACH
6 ROWS @ 21 L.F. EACH

KEY

- - TWO WAY CLEANOUT
- - 1" VACUUM BREAKER
- - 1.25" SUPPLY LINE
- - 1.25" FLUSH LINE
- - SUPPLY LINE CONNECTION
- - FLUSH LINE CONNECTION
- - - - PROPOSED WATER LINE (VERIFY WATER LINE)
- * - TEST HOLE
- ☐☐☐☐ - 600 GPD AEROBIC TREATMENT UNIT
- ▨ - DRIVE/WALKWAY



NOTES:

- USE 3" OR 4" SCH 40 SEWER PIPE TO CONNECT STRUCTURE TO TANK.
- CLEANOUT WITHIN 3' OF STRUCTURE.
- SEWER PIPE CONNECTING THE STRUCTURE TO THE TANK MUST HAVE AT MINIMUM 1/8" FALL PER 1'.
- INSTALL 1" VACUUM BREAKERS AT HIGHEST POINTS ON SUPPLY AND FLUSH LINES.
- TANK TO BE > 5' FROM STRUCTURES AND SURFACE IMPROVEMENTS. THIS WILL PROVIDE EQUIVALENT PROTECTION FOR THE SETBACK REQUIREMENTS OF TAC 285.
- 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.
- CLEAR SURFACE ROCK AND BOULDERS FROM DRAINFIELD AREA, AND ENSURE THAT THERE IS AT MINIMUM 12" OF SUITABLE SOIL BETWEEN THE BOTTOM OF THE DRIP LINES, AND THE RESTRICTIVE HORIZON. CLASS II SOIL MAY NEED TO BE IMPORTED IN ORDER TO MAINTAIN THE MINIMUM 12" OF SOIL BETWEEN THE BOTTOM OF THE DRIP LINES AND RESTRICTIVE HORIZON.
- 1.25" SCH 40 SUPPLY AND FLUSH LINES SHALL BE SLEEVED WHERE THEY ARE WITHIN 5' OF DRIVE. THIS WILL PROVIDE EQUIVALENT PROTECTION FOR THE SETBACK REQUIREMENTS OF TAC 285.
- WATER LINE WILL BE SLEEVED IN SCH 40 PIPE WHERE IT CROSSES THE 1.25" SCH 40 SUPPLY AND FLUSH LINES AND 10' BEYOND. SLEEVED THE WATER LINE WILL PROVIDE EQUIVALENT PROTECTION TO THE SETBACK REQUIREMENTS IN TAC 290 CONCERNING WATER LINES.
- WATER LINE WILL BE SLEEVED IN SCH 40 PIPE WHERE IT IS WITHIN 10' OF 1.25" SUPPLY AND FLUSH LINES. SLEEVED THE WATER LINE WILL PROVIDE EQUIVALENT PROTECTION TO THE SETBACK REQUIREMENTS IN TAC 290 CONCERNING WATER LINES.

Assembly Details

OSSF



Douglas R. Dowlearn

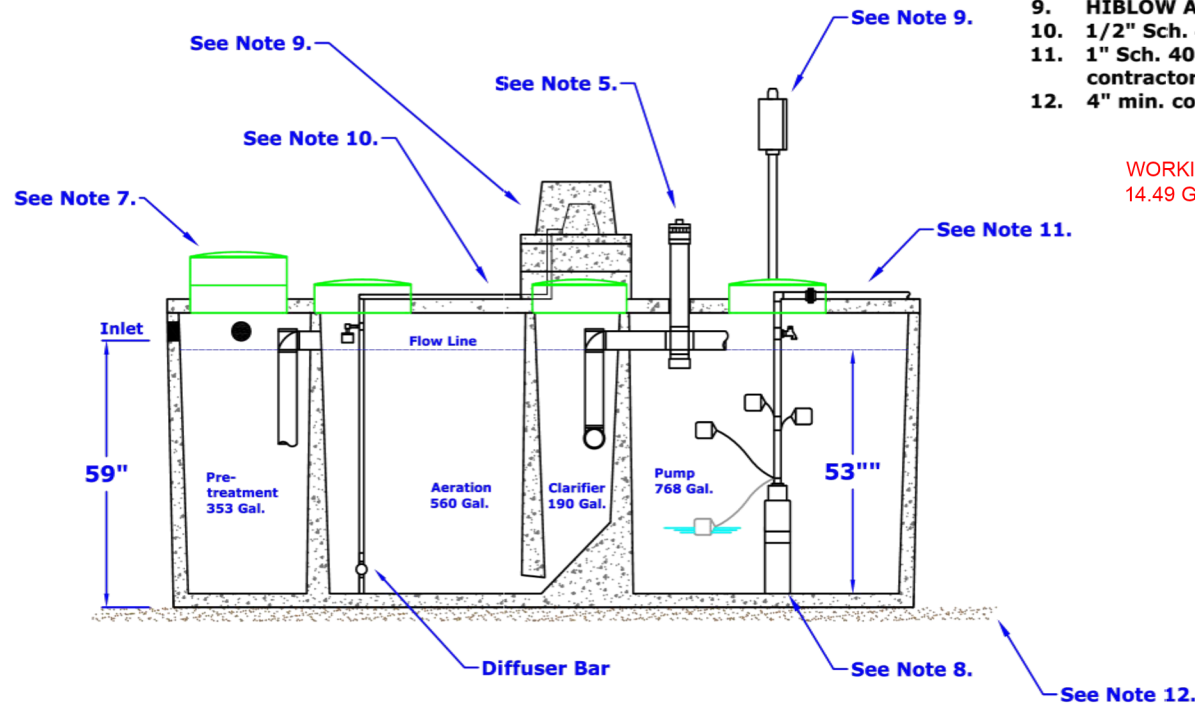
37" - 53" - RESERVE - 231.84 GAL
 12" - 37" - PUMP ON TO ALARM ON - 362.25 GAL
 10" - 12" - PUMP OFF TO PUMP ON - 28.89 GAL
 0 - 10" - SUMP- 144.9 GAL

NOTE: SET ON A TIMER TO DOSE 5 TIMES PER DAY AT 10 MINUTES PER DOSE.

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

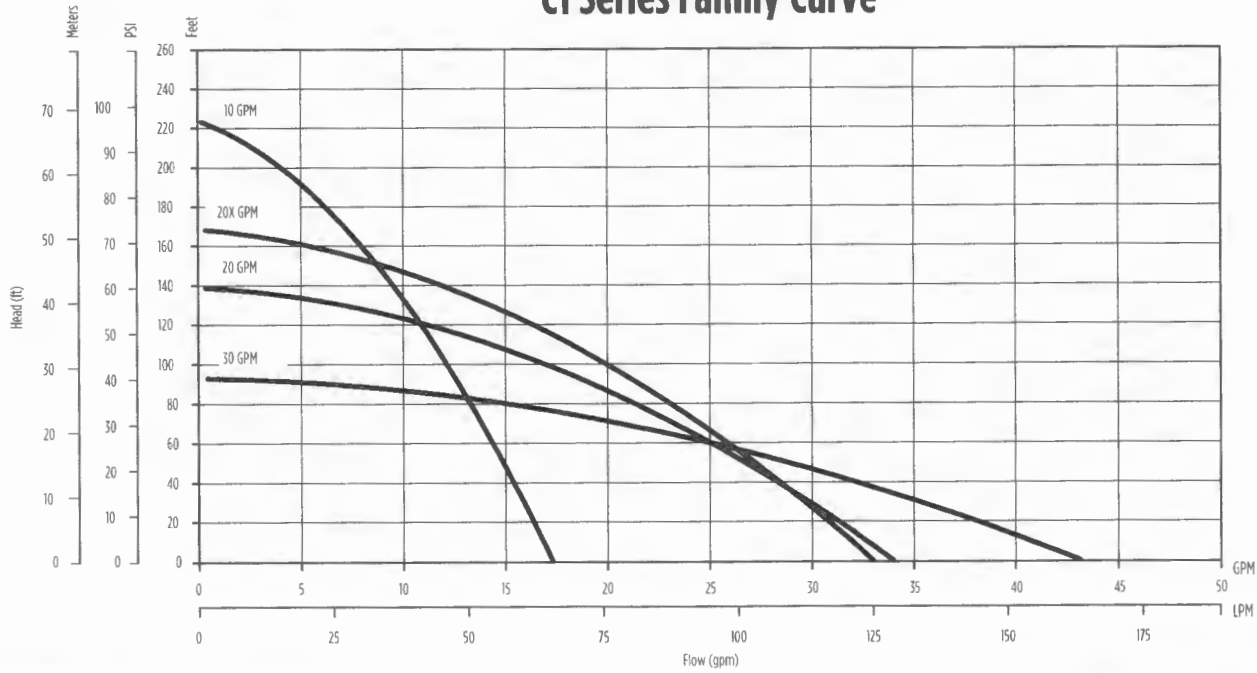
Designed for use in gray water / filtered effluent service applications, the C1 Series cistern pump provides high performance and long life in less than ideal water conditions. The C1 Series pump is able to pass solids up to 1/8" without having a negative effect on the internal hydraulic components.

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

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.



Franklin Electric

franklinwater.com

M1698 07-14

Independence Title/GF# 2402823 -CLF/ BP

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: February 29, 2024

Grantor: Marcus Schulte and Cheryl L. Schulte, a married couple

Grantor's Mailing Address (including county):

2212 Shady Oaks Lane
Rosenberg, Texas 77471
Fort Bend County

Grantee: Curtis D. Schmidt and Melissa K. Schmidt, a married couple

Grantee's Mailing Address (including County):

8510 Tuscan Hills Drive
Garden Ridge, Texas 78266
Comal County

Consideration: TEN AND NO/100 DOLLARS and other good and valuable consideration and the further consideration of a note of even date that is in the principal amount of ONE HUNDRED SIXTY THOUSAND AND NO/100 (\$160,000.00) DOLLARS and is executed by Grantee, payable to the order of FARM CREDIT MID-AMERICA, FLCA. The note is secured by a vendor's lien retained in favor of FARM CREDIT MID-AMERICA, FLCA in this deed and by a deed of trust of even date, from Grantee to Paul Kellogg, Trustee.

Property (including any improvements):

Lot 149, CANYON LAKE SHORES UNIT 2, situated in Comal County, Texas, according to the map or plat thereof, recorded in Volume 1, Page 21, Map and Plat Records, Comal County, Texas.

Reservations From and Exceptions to Conveyance and Warranty:

This conveyance is made and accepted subject to any and all restrictions, covenants, reservations, and easements, if any, relating to the hereinabove described property, but only to the extent they are still in effect, shown of record in the hereinabove mentioned County and State.

Current ad valorem taxes on said property having been prorated, the payment thereof is assumed by Grantee.

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

FARM CREDIT MID-AMERICA, FLCA at Grantee's request, having paid in cash to Grantor that portion of the purchase price of the property that is evidenced by the Note described, the Vendor's Lien and Superior Title to the Property are retained for the benefit of FARM CREDIT MID-AMERICA, FLCA and are transferred and assigned to FARM CREDIT MID-AMERICA, FLCA and its successors and assigns, without recourse on Grantor.

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 shall become absolute.

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



Marcus Schulte



Cheryl L. Schulte

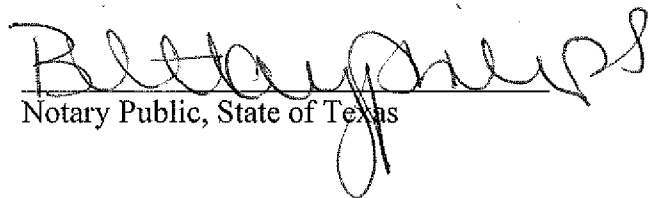
ACKNOWLEDGMENT

STATE OF TEXAS

COUNTY OF COMAL

This instrument was acknowledged before me on this 29 day of February 2024 by Marcus Schulte and Cheryl L. Schulte.




Notary Public, State of Texas

PREPARED IN THE OFFICES OF:

Stevens & Malone, PLLC

P.O. Box 1744

Canyon Lake, Texas 78133

830.964.4426 – tel.

830.964.4426 – fax

UNOFFICIAL

Filed and Recorded
Official Public Records
Bobbie Koepf, County Clerk
Comal County, Texas
03/01/2024 04:14:49 PM
CHRISTY 3 Pages(s)
202406006436



Bobbie Koepf

RECEIVED

By Kathy Griffin at 3:09 pm, Apr 05, 2024



COMAL COUNTY

ENGINEER'S OFFICE

OSSF DEVELOPMENT APPLICATION CHECKLIST

Staff will complete shaded items

		117355
<i>Date Received</i>	<i>Initials</i>	<i>Permit Number</i>

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.

Curtis Schmidt 

Signature of Applicant

3/24/24

Date

<input type="checkbox"/> COMPLETE APPLICATION
Check No. _____ Receipt No. _____

<input type="checkbox"/> INCOMPLETE APPLICATION (Missing Items Circled, Application Refeused)
